

# Appendix I Noise Technical Report

## **NOISE IMPACT ANALYSIS**

### **CONDITIONAL USE PERMIT (CUP 97-03) EXTENSION PROJECT**

**Signal Hill Petroleum, Inc.**  
City of Signal Hill, California

September 2023

Prepared for: Signal Hill Petroleum, Inc.  
2633 Cherry Avenue  
Signal Hill, California 90755  
(562) 595-6440

Prepared by: Sespe Consulting, Inc.  
374 Poli Street, Suite 200  
Ventura, California 93001  
(805) 275-1515

## **NOISE IMPACT ANALYSIS**

### **CONDITIONAL USE PERMIT (CUP 97-03) EXTENSION PROJECT**

**Signal Hill Petroleum, Inc.**  
City of Signal Hill, California

September 2023



---

Graham P. Stephens  
Project Manager  
**Sespe Consulting, Inc.**

**Noise Impact Analysis**  
**Conditional Use Permit (CUP 97-03) Extension Project**

Signal Hill Petroleum, Inc.  
September 2023

**TABLE OF CONTENTS**

<b>1.0</b>	<b>INTRODUCTION .....</b>	<b>1</b>
<b>2.0</b>	<b>PROJECT DESCRIPTION.....</b>	<b>2</b>
2.1	CUP 97-03 History .....	2
2.2	Existing Operations .....	2
2.2.1	Drilling/Redrilling .....	3
2.2.2	Well Cellar Construction .....	3
2.3	Proposed Operations .....	4
2.3.1	CUP Site #2 Natural Gas Processing System Modification .....	4
2.3.2	Gas Processing System Modification – Construction Summary .....	4
2.3.3	Truck/Vehicle Activity .....	5
<b>3.0</b>	<b>EXISTING SETTING .....</b>	<b>6</b>
3.1	Regulatory Setting & Noise Fundamentals .....	8
3.1.1	Definitions.....	8
3.1.2	Characteristics of Noise .....	9
3.1.3	Characteristics of Groundborne Vibration.....	11
3.1.4	Federal Standards .....	12
3.1.5	State Standards.....	12
3.1.6	City of Signal Hill – General Plan .....	13
3.1.7	City of Signal Hill – Municipal Code .....	14
3.1.8	City of Long Beach – General Plan .....	17
3.1.9	City of Long Beach – Municipal Code .....	18
3.1.10	Project-Related Noise Level Increases.....	21
3.1.11	Vibration Criteria .....	22
3.1.12	CEQA Guidelines .....	22
3.2	Environmental Setting .....	23
3.2.1	Regional Setting .....	23
3.2.2	Local Vibration Environment .....	23
<b>4.0</b>	<b>SIGNIFICANCE THRESHOLDS.....</b>	<b>26</b>
4.1	City of Signal Hill – Applicable Noise Thresholds .....	26
4.2	Project-Related Noise Increases .....	27
4.3	City of Long Beach – Applicable Noise Thresholds .....	27
4.4	Vibration Significance Thresholds.....	28
<b>5.0</b>	<b>METHODOLOGY.....</b>	<b>30</b>
5.1	Natural Gas Processing Facility Modification – Construction.....	30
5.2	Natural Gas Processing Facility Modification – Operation .....	31
5.3	Drilling (New Wells) & Redrilling (Existing Wells) .....	32

5.3.1	Soundproofing/Sound Barriers .....	34
5.3.2	Well Cellar Construction .....	34
5.4	Noise Attenuation due to Existing Barriers/Structures .....	35
5.4.1	Existing Perimeter Walls .....	35
5.4.2	Proposed Perimeter Walls .....	36
5.4.3	Existing Onsite Buildings .....	36
5.5	Vibration Reference Levels .....	36
5.6	Project Design Features that Reduce Noise.....	37
<b>6.0</b>	<b>PROJECT-LEVEL IMPACTS &amp; MITIGATION MEASURES .....</b>	<b>39</b>
6.1	Impact Assessment .....	39
6.1.1	Generation of Noise Levels in Excess of Applicable Standards .....	39
6.1.2	Generation of Excessive Groundborne Vibration .....	48
6.1.3	Airport Land Use/Vicinity Analysis.....	50
<b>7.0</b>	<b>FINDINGS.....</b>	<b>51</b>
<b>8.0</b>	<b>REFERENCE .....</b>	<b>52</b>

## **TABLES**

Table 1	CUP Sites & Surrounding Land Uses .....	6
Table 2	Typical A-Weighted Sound Levels of Common Noise Sources .....	10
Table 3	General Human Responses to Transient Vibration Levels.....	12
Table 4	Signal Hill General Plan – Noise Compatibility Criteria by Land Use .....	14
Table 5	Long Beach General Plan – Recommended Criteria for Maximum Acceptable Noise <sup>1</sup> ..	18
Table 6	Subjective Reaction to Changes in Noise Levels of Similar Sources .....	21
Table 7	Human Responses to Transient Vibration .....	22
Table 8	AASHTO Maximum Vibration Levels for Preventing Damage.....	22
Table 9	Summary of Receptor Locations .....	24
Table 10	Ambient Noise in Project Vicinity .....	25
Table 11	City of Signal Hill – Applicable General Plan Standards .....	26
Table 12	City of Long Beach –Municipal Code Noise Standards .....	28
Table 13	Gas System Modification – Construction Equipment Noise References .....	31
Table 14	Gas System Modification – Operational Component Noise References .....	32
Table 15	Drilling/Redrilling – Reference Noise Level(s).....	33
Table 16	Vibration Source Level for Equipment.....	37
Table 17	Gas System Modifications – Predicted Noise Levels @ Receptors.....	41
Table 18	Gas System Modifications – Predicted Noise Levels @ Property Boundaries.....	41
Table 20	Redrilling/Drilling – Predicted Project Noise Level @ Receptors .....	43
Table 21	Predicted Project Vibration Levels at Receptors .....	49

**APPENDIX**

- A     Figures
  - Figure 1: Project Overview / Noise Summary
  - Figure 2: CUP Site #1 Overview
  - Figure 3: CUP Site #2 Overview
  - Figure 4: CUP Site #3 Overview
  - Figure 5: CUP Site #4 Overview
  - Figure 6: CUP Site #5 Overview
  - Figure 7: CUP Site #6 and CUP #7 Overview
- B     Regulatory References
- C     Ambient/Baseline Noise Measurements
- D     Project Noise Levels & Significance Determinations
- E     Project Vibration Levels & Significance Determinations
- F     Noise Control References

## **NOISE IMPACT ANALYSIS**

Conditional Use Permit (CUP 97-03) Extension Project  
Signal Hill Petroleum, Inc.

September 2023

### **1.0 INTRODUCTION**

Sespe Consulting, Inc. (“Sespe”) has prepared the following Noise Impact Analysis on behalf of Signal Hill Petroleum, Inc. (SHP), to determine the potential noise and vibration effects associated with the proposed continuance of the City of Signal Hill (“City”) Conditional Use Permit 97-03 (“CUP 97-03”) for twenty (20) years beyond its current term which ends in 2023 (the “Project”). CUP 97-03 covers seven (7) specific consolidated “Oil Operation Sites” and “Drill Sites”, as defined in the City of Signal Hill – Municipal Code (collectively referred to herein as the “CUP Sites”). No changes to the existing site boundaries or scope of the existing operations from current and historical norms is proposed as part of the Project, with the exception of certain natural gas processing redundancy and efficiency modifications planned at CUP Site #2. Figure 1 (Appendix A) shows the location of the seven (7) individual CUP Sites and surrounding setting.

This Noise Impact Analysis quantifies the results of ambient/background noise monitoring and assesses the potential noise and vibration effects on nearby sensitive receptors associated with the Project (i.e., continuation of existing operations at the seven CUP Sites, construction and operation of the natural gas system modifications at CUP Site #2). Project noise and vibration levels are estimated and compared to applicable noise criteria. Feasible control measures are recommended for instances where estimated Project noise levels were found to potentially exceed applicable regulatory thresholds.

The City is the lead agency for the purposes of administering the requirements of the California Environmental Quality Act (CEQA), and for preparing the appropriate CEQA environmental document. Sespe has prepared this Noise Impact Analysis to be included as a technical appendix within the City’s subsequent CEQA documentation.

## **2.0 PROJECT DESCRIPTION**

### **2.1 CUP 97-03 History**

CUP 97-03 was first approved in 1998 when the City adopted a Mitigated Negative Declaration (MND) pursuant to CEQA, and approved CUP 97-03 for a five (5) year term per Resolution 98-06-4832. The 1998 MND covered the operation of the seven CUP Sites and construction of a modern, high-efficiency natural gas processing facility at CUP Site #2. This was followed in 2002 with the approval of an amendment to CUP 97-03 that included a ten (10) year term extension and approval of another MND per Resolution 2002-10-5246. After 2012, the term of CUP 97-03 has been extended with time frames ranging from six (6) months to thirty (30) months up to the current twenty-four (24) month term. Additionally, the South Coast Air Quality Management District (“South Coast AQMD”) approved a Subsequent Mitigated Negative Declaration (SMND) in 2015 for the installation of a new, high-efficiency Natural Gas Dehydration (i.e., low temperature separation [LTS]) unit and the addition of a carbon capture and sequestration system to the natural gas processing facilities at CUP Site #2. SHP has operated the CUP Sites for the current 23-year aggregate term of CUP 97-03 in compliance with the existing CUP conditions of approval, the City Municipal Code and regulatory requirements of other regulatory agencies as applicable.

### **2.2 Existing Operations**

As discussed in Section 1.0, the Project is primarily the continuance of SHP’s existing consolidated oil and gas operations at the seven CUP Sites covered under CUP 97-03 for the proposed 20-year term. Other than the proposed redundancy and flexibility modifications to the existing gas system at CUP Site #2 (see Section 2.3.1 below for additional detail), the Project would include no substantial changes to SHP’s existing operations, previously evaluated under the 1997, 2002 and 2012 CEQA reviews and City approvals. Additionally, the CUP Sites would continue to operate in accordance with the City’s Municipal Oil and Gas Code, existing conditions of approval and mitigation measures, and in continue compliance with existing county, state and federal requirements, including Geologic Energy Management Division (CalGEM) and South Coast AQMD regulations.

SHP would continue to operate the existing oil and gas facilities in the same manner and with the same equipment as they have historically, and SHP is not seeking any amendments or modifications to the CUP that would expand the activities authorized under the CUP’s existing terms. The existing CUP boundaries would also not change or expand, and all operations (existing and proposed) would continue to occur within the existing permitted CUP footprint(s). Specifically, SHP would continue the following general operations at their seven CUP Sites:

- Well servicing and maintenance;
- Drilling and re-drilling operations (see Section 2.2.1);
- Oil processing, storage and transfer;
- Natural gas and natural gas liquids processing, storage and transfer;
- Produced water separation, and injection facilities; and
- Electrical production from a natural gas turbine powered generator.

In addition to the industrial activities summarized above, the Project would also not modify the existing production levels, hours of operation, materials to be extracted, processed and sold, the number or type

of onsite equipment (mobile equipment, drilling rigs, etc.), production methods, or the number of onsite employees. Other than minimal additional vehicle trips that would temporarily travel to and from CUP Site #2 during construction of the gas plant modifications (see Section 2.3.3 below), the Project would also not change or increase the number of on-road trucks or employee/contractor vehicles that would enter or exit the CUP Sites onto public roadways. As such, the Project would not generate any new permanent transportation noise or vibration impacts due to additional vehicle activity.

### **2.2.1 Drilling/Redrilling**

In accordance with the existing CUP 97-03, as well as applicable City and CalGEM requirements, SHP has and would continue to drill new wells and redrill existing wells (both production and injection) at the seven CUP Sites on an as needed basis. As with current operations, these activities would continue to occur entirely within the existing CUP boundaries.

SHP's oil and gas production has been, and will continue to be, cyclical and dependent upon market demands, economic cycles, and other factors beyond SHP's control (e.g., geological studies, production capacity of wells drilled, availability of required materials and services, etc.). As such, SHP's drilling/redrilling activities for both production and injection wells have and will continue to vary from year to year.

Although cyclical fluctuations are a natural aspect of the oil and gas industry, the level of future drilling for the proposed 20-year term of the Project is forecasted to be consistent with historical operations. Specifically, wells would continue to be drilled/redrilled during the life of the CUP primarily to replace lost production capacity, and therefore the total quantity of oil, natural gas, and water produced by extraction operations would not change or increase above existing levels. Continue drilling/redrilling would also not require the installation of additional ancillary equipment, as SHP's existing storage, transmission, and processing facilities have sufficient capacity to continue to serve extraction operations throughout the proposed 20-year life of the CUP.

Nonetheless, although drilling and redrilling operations have and would continue to occur at the same activity levels, in the same manner and general location (i.e., within the CUP Site boundaries), and using the same equipment/drill rigs that SHP currently uses, conservatively this Noise Impact Analysis treats these existing operations as a "new" Project activity, and therefore quantifies potential noise impacts at nearby receptors as a result of drilling/redrilling activity. See Section 5.3 below for additional detail.

### **2.2.2 Well Cellar Construction**

Generally, SHP would continue drilling/redrilling operations within the existing well cellars at each CUP Site; however, consistent with past operations, at times a new ancillary well cellar may need to be created. As with SHP's current protocols, new well cellars are created by excavating a shallow hole (approximately 6-feet wide, 6-feet long, and 5-feet deep) using a backhoe type excavator (new well cellars can be excavated within a single day). Once excavation is complete, a pre-cast concrete box or a large diameter galvanized round steel pipe is placed into the excavation hole to secure the new well cellar.

To construct a new well cellar, at most one backhoe would have to operate at the given CUP Site for no more than 4 hours to excavate the necessary depression. The pre-cast concrete box concrete box would then be transported to the appropriate CUP Site via delivery truck. As such, well cellar construction can generally be complete within a single day, using SHP's existing equipment and onsite employees. Consistent with SHP's existing protocols and the City's Municipal Code, well cellar construction activities would only occur Monday through Friday between the hours of 7:00 a.m. and 6:00 p.m. See Section 5.3.2 below for additional detail.

## **2.3 Proposed Operations**

### **2.3.1 CUP Site #2 Natural Gas Processing System Modification**

As part of the Project, SHP is proposing to modify its current natural gas processing system at CUP Site #2 by adding a back-up low temperature separation unit ("LTS") and a back-up membrane unit for the removal of inert gas. SHP will also connect to a new gas sales meter and pipeline provided by the SoCal Gas Company ("SCG"). The SCG sales outlet will be in addition and provide back-up to the current Long Beach Energy gas sales outlet. A booster compressor will be added to provide the line pressure required to move gas into the SCG system. Finally, SHP will add a "CEB" technology clean burning combustion unit to handle waste gas streams that currently are recycled through the facility. The proposed modifications at CUP Site #2 will give SHP operational flexibility and back-up capacity for its critical gas processing equipment.

The current natural gas processing facility located at CUP Site #2 processes up to 2,000 thousand standard cubic feet ("MCF") of natural gas per day. The natural gas produced in the mature Long Beach Oilfield has a high content of natural gas liquids (butane, propane, etc.) and inert gases (principally nitrogen and carbon dioxide). The current low temperature separation unit and related membrane unit are critical to process this gas to meet utility pipeline specifications. The gas processing facility also provides gas vacuum to production tanks and other facilities which is called "vapor recovery" and is a requirement of SHP's South Coast AQMD permits to operate. The proposed LTS unit will be sized to process 2,000 thousand standard cubic feet ("MCF") of natural gas per day (MCF/day), and the membrane unit sized to process 1,500 MCF/day. Both pieces of equipment will be sized at lower process rates than the current equipment, which will ensure operational efficiency. The current LTS capacity is 4,000 MCF/day and the membrane unit is 2,500/day. Ultimately, the addition of the back-up LTS and membrane units to facilitate the SCG connection will allow for improved operational efficiency and flexibility for the entire natural gas processing system at CUP Site #2.

See Figure 3 in Appendix A for the approximate location of the proposed gas system modifications at CUP Site #2. Other than the redundancy and efficiency modifications, no other changes to the existing natural gas processing facilities at CUP Site #2 are proposed as part of this Project. See Section 5.2 for additional detail on the noise-generating equipment associated with the permanent operations of the proposed gas system modifications at CUP Site #2.

### **2.3.2 Gas Processing System Modification – Construction Summary**

The booster compressor and CEB burner will be installed in Phase 1 following approval of the Project. The LTS and membrane units will be installed in Phase 2, estimated to occur sometime in 2023. The process

and timing will be virtually identical for these two construction phases. Specifically, each phase will span approximately 12 weeks, with construction activities occurring Monday through Friday between the hours of 7:00 a.m. and 6:00 p.m. consistent with Section 9.16.050 of the City's Municipal Code (City of Signal Hill, 2021). The construction process will start with excavations for underground process piping, electrical conduits and control cable conduits as well as reinforced concrete foundations for each piece of equipment. As shown on Figure 3, the foundations will be located immediately adjoining the existing natural gas processing facilities within CUP Site #2. Process piping and electrical conduits in and around the actual equipment packages will be located aboveground. See Section 5.1 for additional detail regarding the construction equipment that will be utilized during the construction of the proposed gas system modifications at CUP Site #2.

### **2.3.3 Truck/Vehicle Activity**

Other than minimal additional vehicle trips that would temporarily travel to and from CUP Site #2 during construction of the gas plant modifications, the Project would not change or increase the number of on-road trucks or vehicles that would enter or exit the CUP Sites onto public roadways. During temporary construction activities at CUP Site #2 (two, 12-week phases), it's estimated that up to 6 contractor light-duty vehicles would travel to and from the site each day. Additionally, one-time deliveries of ready-mix concrete, and equipment/materials would require the use of larger heavy-duty trucks (estimated maximum of 4 larger trucks would travel to/from CUP Site #2 on a given construction day). Lastly, consistent with Section 9.16.050 of the City's Municipal Code (City of Signal Hill, 2021), construction vehicle activity would be limited to Monday through Friday between the hours of 7:00 a.m. and 6:00 p.m., when existing traffic levels are highest/community noise levels naturally elevated. Due to the temporary nature of construction operations, and the fact that vehicle activity would occur during daytime hours only, vehicle noise result from construction operations at CUP Site #2 is expected to be de minimis. As such, the Project would not generate any new permanent transportation noise or vibration impacts due to additional vehicle activity, and transportation noise effects have been excluded from this Noise Impact Analysis.

### 3.0 EXISTING SETTING

As shown on Figure 1 (Appendix A), the Project site(s) (i.e., CUP Site #1 through #7) are situated throughout the City within the West, Central and East units of the Long Beach Oil Field. The sites are located within developed urban areas, adjacent to lands designated for industrial, commercial and residential uses. Also refer to Figure 2 through Figure 7 in Appendix A, which show aerial overviews as well as the layouts and facilities/equipment found within the seven CUP Sites. Table 1 describes each CUP Site as well as the land uses within the immediately vicinity. Please note, although not part of CUP 97-03, many of the adjacent properties are either owned by SHP and leased out to various residential, commercial or industrial tenants, or were previously owned by SHP and sold for redevelopment.

Unitization refers to the consolidation of specific portions of the Long Beach Oil Field oil and gas facilities. The seven CUP Sites were subject to unitization and were consolidated into major “Drill Sites” and “Central Processing Facilities”, or some combination thereof. The seven existing CUP Sites typically include water-injection wells and producing wells, which serve as gathering locations for oil, gas and water production, distribution sites for water injection, and control centers for the electrical system. Additionally, CUP Sites #2, #5 and #6 have and would continue to serve as the centralized processing and storage facilities for oil production and water-injection operations. All production (oil, water and gas) from the CUP Site wells is received at these central processing facilities where the raw materials are separated, treated, and shipped to various purchasers.

Furthermore, both the City’s Oil and Gas Code and existing CUP 97-03 define the consolidated CUP Sites as *“an area where the operator may drill, re-drill or produce wells for removing oil and/or gas, or for injecting water or other approved substances to assist with the recovery of oil and/or gas and where said products may be gathered, distributed and/or separated (i.e., processed) under conditions specified in a City approved conditional use permit.”* As such, the CUP Sites summarized below have and would continue these operations as part of the Project.

**Table 1 CUP Sites & Surrounding Land Uses**

CUP Sites		Adjacent Land Uses	Description
No. & Acreage	Zoning Designation		
<b>West Unit</b>			
CUP Site #1 (0.94 acres)	Commercial Corridor Specific Plan (SP-6)	Commercial	CUP Site #1 is located within the central portion of an existing shopping center parking lot (Gateway Center developed on SHP-owned property), and is surrounded on all sides by existing parking/commercial developments.
CUP Site #2 (8.76 acres)	General Industrial (GI)	Commercial / Industrial	CUP Site #2 is located at the southeastern corner of E. Spring Street/Orange Avenue, north of E. 29 <sup>th</sup> Street, and is directly adjacent to existing commercial/industrial properties to the east (Honda dealership developed on SHP-owned property) and south (various commercial offices/warehouses).

CUP Sites		Adjacent Land Uses	Description
No. & Acreage	Zoning Designation		
CUP Site #3 (1.65 acres)	Commercial Corridor Specific Plan (SP-6)	Commercial / Industrial	CUP Site #3 is located at the north of E. Willow Street and east of Walnut Avenue, and is directly adjacent to existing commercial/industrial properties to the north (miscellaneous scrapyards) and east (industrial storage yard/fast food/retail developed on SHP-owned property). Other SHP oil and gas operations not part of CUP 97-03 are located nearby to the west and south of the site.
<b>Central Unit</b>			
CUP Site #4 (1.23 acres)	Hilltop Area Specific Plan (SP-2)	Commercial / Industrial	CUP Site #4 is located directly behind the existing Home Depot and Costco Wholesale retail stores (both developments were facilitated by/located on SHP-owned property). Other SHP oil and gas operations not part of CUP 97-03 are located nearby to the east and south of the site.
CUP Site #5 (7.35 acres)	Planned Develop District-2 (PD-2)	Residential / Industrial	CUP Site #5 is located southwest of Combella Drive and Temple Avenue/Obispo Avenue, adjacent to existing residential neighborhoods (developed on SHP-owned property) located to the north and south. Other SHP industrial land uses not part of CUP 97-03 are located nearby.
<b>East Unit</b>			
CUP Site #6 (1.07 acres)	Light Industrial (LI)	Residential / Industrial	CUP Site #6 is located south of 20 <sup>th</sup> Street, west of Redondo Avenue, and north of E. Grant Street. Residential neighborhoods (developed on SHP-owned property) are located to the north across 20 <sup>th</sup> Street, while existing industrial uses (also developed on SHP-owned property) surround the site to the west, south and east.
CUP Site #7 (0.59 acres)	Light Industrial (LI)	Industrial	CUP Site #7 is located just south of CUP Site #6, southwest of E. Grant Street and Redondo Avenue. The site is surrounded by existing industrial facilities (developed on SHP-owned property) on all sides.

In total, the seven CUP Sites are located on fourteen (14) parcels, covering approximately 21.6 acres total. As stated previously, SHP is not proposing to change or expand the existing CUP Site boundaries as part of the Project. Interstate 405 (I-405) also runs east to west to the north of the Project sites (approximately 500-feet to the north of CUP Site #1), and traffic on I-405 represents a consistent source of existing background noise in the Project area. Refer to Figure 1 (Appendix A) which shows an aerial overview of the CUP Sites and surrounding environment.

Although the CUP Sites and entire Project area are located within the City of Signal Hill, areas within the jurisdiction of the City of Long Beach, which completely surrounds the City of Signal Hill, are found nearby certain CUP Sites. Specifically, nearby noise receptors within the vicinity of CUP Sites #1, #2, #5, and #6 are located within the City of Long Beach. See Figure 2, Figure 3, Figure 6 and Figure 7 in Appendix A,

which shows the Long Beach city limits in relation to the applicable CUP Sites.

The following section discusses the existing regulatory and environmental settings applicable to the Project and this Noise Impact Analysis.

### 3.1 Regulatory Setting & Noise Fundamentals

Applicable noise and vibration standards described within the *City of Signal Hill – General Plan* (City of Signal Hill, 2009) and the *City of Signal Hill – Municipal Code* (City of Signal Hill, 2021) are summarized below. Additionally, because certain receptors are located within the City of Long Beach, applicable noise and vibration standards presented in the *City of Long Beach General Plan* (City of Long Beach, 1975) and *Municipal Code* (City of Long Beach, 2022) are also summarized. Noise and vibration standards from the Federal Highway Administration's (FHWA) *Roadway Construction Noise Model* (Federal Highway Administration, 2006), and other applicable guidance from the California Department of Transportation's (Caltrans) are also discussed. Refer to Appendix B for relevant standards and excerpts taken from the applicable regulatory documents described in greater detail below.

#### 3.1.1 Definitions

The following terms are employed in this Noise Impact Analysis:

- **Decibel (dB):** A unit division, on a logarithmic scale, whose base is the tenth root of ten, used to represent ratios of quantities proportional to power. In simple terms, if the power is multiplied by a factor of ten, then ten is added to the representation of the power on the decibel scale. If 0 dB represents 1 unit of power, 30 dB represents one thousand units, 60 dB represents one million units, etc.
- **A-Weighted Sound Level (dBA):** Sound pressure level measured using the A-weighting network, a filter which discriminates against low and very high frequencies in a manner similar to the human hearing mechanism at moderate sound levels. The A-weighted sound level is generally used when discussing environmental noise impacts.
- **L<sub>50</sub>, L<sub>25</sub>, L<sub>8.3</sub>, L<sub>1.7</sub>:** The A-weighted noise level that is equaled or exceeded by the designated percentage of time within the sample. In other words, L<sub>50</sub> is the noise level that is exceeded 50% of the time (i.e., 30 minutes in an hour), L<sub>25</sub> is the noise level exceeded 25% of the time (i.e., 15 minutes in an hour), L<sub>8.3</sub> is exceeded 8.3% of the time (i.e., 5 minutes in an hour), etc.
- **Maximum Noise Level (L<sub>max</sub>):** The instantaneous maximum noise level measured during the sample period.
- **Equivalent Continuous Noise Level (L<sub>eq</sub>):** The average noise level over a designated time period. This is often referred to as "equivalent sound level", hence the "eq" subscript. The "equivalence" is to a sound of constant level that has the same total acoustic energy content.
- **Ambient (i.e., Background) Noise Level:** The current noise level in the vicinity of the proposed Project that results from the combination of all sources, near and far. Please note, ambient noise measurements presented in this Noise Impact Analysis include noise generated by SHP's existing permitted operations under CUP 97-03 (see Section 3.2).

- **Noise-Sensitive Receptors:** Per the City of Signal Hill – General Plan, noise-sensitive receptors are those uses that have associated human activities that may be subject to stress or significant interference from noise. Potentially sensitive uses as designated by the City primarily include residences, schools, churches, and libraries.
- **Day-Night Average Level ( $L_{dn}$  – dBA):** The long-term time average sound level, weighted as follows:
  - Frequency response is filtered using the A-weighting network.
  - Daytime noise (7:00 a.m. to 10:00 p.m.) is not weighted.
  - Nighttime noise (10:00 p.m. to 7:00 a.m.) is weighted by +10 decibels.
- **Community Noise Equivalent Level (CNEL – dBA):** The long-term time average sound level, weighted as follows:
  - Frequency response is filtered using the A-weighting network.
  - Daytime noise (7:00 a.m. to 7:00 p.m.) is not weighted.
  - Evening noise (7:00 p.m. and 10:00 p.m.) is weighted by +5 decibels.
  - Nighttime noise (10:00 p.m. and 7:00 a.m.) is weighted by +10 decibels.

### 3.1.2 Characteristics of Noise

Noise is often described as unwanted sound. Sound is defined as any pressure variation in air that the human ear can detect. If the pressure variations occur frequently enough (at least 20 times per second) they can be heard and are called sound. The number of pressure variations per second is called the frequency of sound, and is expressed as cycles per second, called Hertz (Hz).

Measuring sound directly in terms of pressure would require a very large and awkward range of numbers. To avoid this, the decibel scale was devised. The decibel scale uses the hearing threshold (20 micropascals of pressure), as a point of reference, defined as 0 decibels (dB). Other sound pressures are then compared to the reference pressure, and the logarithm is taken to keep the numbers in a practical range. The decibel scale allows a million-fold increase in pressure to be expressed as 120 decibels. Another useful aspect of the decibel scale is that changes in decibel levels correspond closely to human perception of relative loudness as presented in Table 2.

The perceived loudness of sound is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable, and can be approximated by weighing the sound level pressures between 1,000 and 5,000 Hz, which represent the most sensitive frequencies perceived by a healthy human ear and coincidentally the natural frequency range of human speech. This weighting network is referred to as the A-scale. There is a strong correlation between A-weighted sound levels (expressed as dBA) and community response to noise. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment. All noise levels reported in this Noise Impact Analysis are A-weighted. Table 2 provides sound pressure levels of typical noise sources in units of dBA and micropascals ( $\mu\text{Pa}$ ) of pressure.

Community noise is commonly described in terms of the ambient noise level, which is defined as the all-encompassing noise level associated with a given noise environment. A common statistical tool to

measure the ambient noise level is the average, or equivalent, sound level ( $L_{eq}$ ) over a given time period (usually one hour or less). The  $L_{eq}$  is also the foundation of the Day-Night ( $L_{dn}$ ) and Community Noise Equivalent Level (CNEL) 24-hour average noise descriptor described below, which have strong correlations with community response to noise. The maximum sound level ( $L_{max}$ ) represents the highest instantaneous noise level recorded over a given time period (usually one hour or less), and can also be utilized to assess community noise impacts.

**Table 2 Typical A-Weighted Sound Levels of Common Noise Sources**

Loudness Ratio	Micropascals ( $\mu\text{Pa}$ )	dBA	Description
128	63,245,553	130	Threshold of Pain
64	20,000,000	120	Jet aircraft Take-Off at 100 feet
32	6,324,555	110	Riveting Machine at Operator's Position
16	2,000,000	100	Shotgun at 200 feet
8	632,456	90	Bulldozer at 50 feet
4	200,000	80	Diesel Locomotive at 300 feet
2	63,246	70	Commercial Jet Aircraft Interior During Flight
1	20,000	60	Normal Conversation Speech at 5-10 feet
0.5	6,325	50	Open Office Background Level
0.25	2,000	40	Background Level Within a Residence
0.125	632	30	Soft Whisper at 2 feet
0.0625	200	20	Interior of Recording Studio

Sources: (EPA, 1971) and (FICON, 1992).

The Day-Night Average Level ( $L_{dn}$ ) is based upon the average noise level over a 24-hour day, with a +10-decibel (dBA) weighting applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. Similarly, the Community Noise Equivalent Level (CNEL) is also based upon the average noise level over a 24-hour period, with a +5-decibel weighting applied to noise occurring during evening (7:00 p.m. to 10:00 p.m.) hours and a +10-decibel weighting applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. These penalties are based upon the assumption that people react to evening and nighttime noise exposures, when people are generally at home and more sensitive to sound, as though they are louder than daytime exposures. Because  $L_{dn}$  and CNEL represent 24-hour averages, they also tend to smooth out short-term variations in the noise environment.  $L_{dn}$  and CNEL based noise standards are commonly used to assess noise impacts associated with variable noise sources, such as traffic, railroad and aircraft noise.

The maximum sound level ( $L_{max}$ ) presents the highest instantaneous noise level recorded over a given time period (usually one hour or less). This value is useful as it can reveal short-term, intermittent noise sources (e.g., railroads, aircraft noise) within a noise environment, which would be lost with the  $L_{dn}$  and CNEL average noise descriptor.

### 3.1.3 Characteristics of Groundborne Vibration

Vibration is like noise in that it involves a source, a transmission path, and a receiver. While vibration is related to noise, it differs in that noise is generally considered to be pressure waves transmitted through air, while vibration is usually associated with transmission through a physical medium such as soil or a structure. As with noise, vibration consists of an amplitude and frequency. A person's response to vibration depends on their individual sensitivity as well as the amplitude and frequency of the source. Additionally, damage to structures can occur when exposed to groundborne vibration.

Vibration can be described in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration measures in terms of peak particle velocities (inches/second). Standards pertaining to perception as well as damage to structures have been developed for vibration in terms of peak particle velocity. Although vibration levels associated with SHP's oil and gas operations are not expected to be significant for this Project due to the nature of the onsite activities, and the relatively large distances between Project sources and acoustically sensitive receivers, nonetheless an assessment of Project-related vibration levels is addressed in this Noise Impact Analysis.

According to Caltran's *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020), operation of equipment and construction techniques generate ground vibration. Traffic traveling on roadways can also be a source of such vibration. At high enough amplitudes, ground vibration has the potential to damage structures and/or cause cosmetic damage (e.g., crack plaster). Ground vibration can also be a source of annoyance to individuals who live or work close to vibration-generating activities. Traffic, including heavy trucks traveling on a highway, rarely generates vibration amplitudes high enough to cause structural or cosmetic damage, or annoyance to humans.

As vibrations travel outward from the source, they excite the particles of rock and soil through which they pass and cause them to oscillate by a few ten-thousandths to a few thousandths of an inch. Differences in subsurface geologic conditions and distance from the source of vibration would result in different vibration levels characterized by different frequencies and intensities. In all cases, vibration amplitudes would decrease with increasing distance. The maximum rate or velocity of particle movement is the commonly accepted descriptor of the vibration "strength." As discussed above, this is referred to as the peak particle velocity (PPV) and is typically measured in inches per second.

Human response to vibration is difficult to quantify. Vibration can be felt or heard well below the levels that produce any damage to structures. The duration of the event has an effect on human response, as does frequency. Generally, as the duration and vibration frequency increase, the potential for adverse human response increases.

Human and structural response to different vibration levels is influenced by a number of factors, including ground type, distance between source and receptor, duration, and the number of perceived vibration events. Table 3 displays the human response to transient vibration sources in terms of PPV vibration levels.

**Table 3            General Human Responses to Transient Vibration Levels**

<b>Human Response to Vibration</b>	<b>Peak Vibration Threshold (PPV – in/sec)</b>
Severe	2.0
Strongly perceptible	0.9
Distinctly perceptible	0.24
Barely perceptible	0.035

Source: *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020).

### **3.1.4    Federal Standards**

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972 (42 U.S.C. §4901 et seq.), which serves three purposes:

- Establish noise emission standards for interstate commerce.
- Assist state and local abatement efforts.
- Promote noise education and research.

The Federal Office of Noise Abatement and Control (ONAC) was initially tasked with implementing the Noise Control Act. However, the ONAC has since been eliminated, leaving the development of federal noise policies and programs to other federal agencies and interagency committees. For example, the Occupational Safety and Health Administration (OSHA) agency prohibits exposure of workers to excessive sound levels. The Department of Transportation (DOT) assumed a significant role in noise control through its various operating agencies, including the Federal Aviation Administration (FAA), Federal Transit Administration (FTA), and Federal Highway Administration (FHWA).

The FAA regulates noise of aircraft and airports. Surface transportation system noise is regulated by a host of agencies, including the FTA (formerly the Urban Mass Transit Administration). Transit noise is regulated by the FTA, while freeways that are part of the interstate highway system are regulated by the FHWA. Finally, the federal government actively advocates that local jurisdictions use their land use regulatory authority to arrange new development in such a way that “noise sensitive” uses are either prohibited from being sited adjacent to a highway or, alternately that the developments are planned and constructed in such a manner that potential noise impacts are minimized.

Since the Federal government has preempted the setting of standards for noise levels that can be emitted by the transportation sources, counties and cities are restricted to regulating the noise generated by the transportation system through nuisance abatement ordinances and land use planning.

### **3.1.5    State Standards**

Established in 1973, the California Department of Health Services Office of Noise Control (ONC) was instrumental in developing regulatory tools to control and abate noise for use by local agencies. One significant model is the “Land Use Compatibility for Community Noise Environments Matrix,” which allows the local jurisdiction to clearly delineate compatibility of sensitive uses with various incremental levels of noise.

Article 4 of the California Administrative Code (California Noise Insulation Standards, Title 24, Chapter 1) requires noise insulation in new hotels, motels, apartment houses, and dwellings (other than single-family detached housing) that prevent interior Day-Night ( $L_{dn}$ ) or CNEL noise levels from exceeding 45 dBA. When such structures are located within a 60-dBA Day-Night ( $L_{dn}$ ) or CNEL (or greater) noise contour, an acoustical analysis is required to ensure that interior levels do not exceed the 45-dBA limit.

Government Code §65302 mandates that the legislative body of each county and city in California adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines published by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of normally acceptable, conditionally acceptable, normally unacceptable, and clearly unacceptable. Figure 5 within the City of Signal Hill's General Plan – Noise Element presents "Community Noise Exposure Levels" based upon the Governor's Office of Planning and Research (OPR) 2003 guidance, which incorporates this concept. See Section 3.1.6 for additional detail and Appendix B for a copy of the General Plan compatibility table.

### 3.1.6 City of Signal Hill – General Plan

The City of Signal Hill *General Plan* (City of Signal Hill, 2009), Noise Element, has a number of goals and policies related to noise. City General Plan noise policies that apply to the Project are summarized below. Also see Appendix B for relevant excerpts.

**GOAL 1:** *Protect the health, safety, and welfare of people living and working within the city from adverse noise impacts.*

**Policy 1.a:** *The City will consider the severity of noise exposure in the community planning process to prevent or minimize noise impacts to existing and proposed land uses.*

**Policy 1.d:** *The City will inform those living and working within the city of the effects of noise pollution and will cooperate with all levels of government to reduce or minimize impacts.*

**Policy 1.e:** *Require noise mitigation to ensure that noise-sensitive land uses are not exposed to noise levels of greater than 45 dB in habitable rooms and 65 dB in outdoor living areas.*

**Policy 1.f:** *Where needed, the City will encourage the use of noise mitigation methods that minimize visual impacts and maintain necessary access.*

In addition to the goals and policies above, the General Plan – Noise Element also outlines general standards for assessing compatibility of various land use types with a range of noise levels. Specifically, Implementation Program – Number 16 indicates that the City should "require an acoustical analysis report where the introduction or addition of a new noise source has the potential to result in exterior noise levels exceeding 60 dB CNEL at a noise-sensitive location. The report must show how noise mitigation measures have been incorporated into the design of the new noise source to reduce interior noise levels at noise-sensitive locations to 45 dB CNEL" (City of Signal Hill, 2009). Table 4 was also taken from the General Plan and summarizes noise level compatibility criteria for various land uses. Similarly, refer to Appendix B for the Community Noise Exposure Levels exhibit also taken from the General Plan, which presents additional criteria developed by OPR that can be used to assess the compatibility of proposed land uses with a given noise environment.

**Table 4 Signal Hill General Plan – Noise Compatibility Criteria by Land Use**

Land Use Type		Compatibility Criteria
Residential	Exterior	Outdoor living areas must be mitigated to 65 dB CNEL or less.
	Interior	Habitable rooms must be mitigated to 45 dB CNEL or less.
Other Noise-Sensitive Uses	Exterior	Same as residential criterion.
	Interior	Same as residential criterion.
Commercial	Exterior	A noise level of 70 dB CNEL or less, or one that does not interfere with normal business activity.
Industrial	Exterior	A noise level of 75 dB CNEL or less, or one that does not interfere with normal business activity. Public access areas should be 65 dB CNEL or less.

Source: Table 8 within the *Signal Hill General Plan – Noise Element* (City of Signal Hill, 2009). See Appendix B.

Lastly, the Signal Hill General Plan also contains a subsection describing the local noise environment pertaining to existing oil and gas operations within the City. This section of the General Plan contains relevant background information and source noise monitoring data related to drilling, pumping, and well-servicing activities which are regulated by the City’s Oil and Gas Code (see Section 3.1.7 below). Information and reference data taken from this section of the General Plan has been incorporated into this Noise Impact Analysis as applicable (see Section 5.3 below).

**3.1.7 City of Signal Hill – Municipal Code**

The *City of Signal Hill – Municipal Code* (City of Signal Hill, 2021), specifically Title 9 (Public Peace, Morals and Welfare) and Title 16 (Oil and Gas Code), also contain various provisions that regulate both construction and operational noise from stationary and mobile sources. Applicable Signal Hill – Municipal Code noise and vibration standards and related information/policies are summarized below (see Appendix B for relevant excerpts).

**TITLE 9 – PUBLIC PEACE, MORALS AND WELFARE**

**CHAPTER 9.16 – NOISE**

**9.16.020 – Definitions.**

*The following terms used in this chapter, unless the context clearly indicates otherwise, shall have the respective meanings set forth in this section:*

- A. *"Ambient noise" means the all-encompassing noise associated with a given environment, being usually a composite of sounds from many sources near and far. For the purpose of this chapter, "ambient noise level" is the level obtained when the noise level is averaged over a period of fifteen minutes without inclusion of noise from isolated identifiable sources, at the location and time of day near that at which a comparison is to be made.*
- B. *"Ambient noise level" as referred to in this chapter, means the higher of the following:*
  - 1. *Actual measured ambient noise level; or*
  - 2. *Presumed ambient noise level as determined from the following chart:*

Zone	Ambient Base Noise Level	
	Night (10 p.m. to 7 a.m.)	Day (7 a.m. to 10 p.m.)
Residential	50	60
Commercial	60	65
Industrial	70	70

**9.16.030 – Noise standards.**

- A. *Notwithstanding any other provision of this chapter, and in addition thereto, it is unlawful for any person to willfully make or continue, or cause to be made or continued, any loud, unnecessary, or unusual noise which disturbs the peace or quiet of any neighborhood or which causes discomfort or annoyance to any reasonable person of normal sensitiveness in the area.*

**9.16.050 – Construction or repairing of buildings.**

- B. *Limitation of Activity. No person shall carry on any construction activities, including the erection, demolition, excavation, modification, alteration or repair of any building or structures, or any other activities creating construction noise as defined in this section other than between the hours of seven a.m. and six p.m. on weekdays, except as otherwise permitted in this section.*
- C. *Definitions. For the purposes of this section, the following words and phrases shall have the following meanings, except where the context indicates otherwise:*
  - a. *The term "weekday" does not include Saturdays, Sundays or holidays, but does include all other days. "Holidays" is defined in this section to include the following seven days: Christmas, Thanksgiving, New Year's, July 4<sup>th</sup>, Memorial Day, Labor Day and Veterans Day.*
- D. *Exceptions. Notwithstanding any other provision of this section, construction activities are permitted as follows:*
  - 3. *Construction activities creating construction noise may be authorized between the hours of six p.m. and seven a.m. on weekdays or at any time on any other days if a permit for such construction activities is issued by the building official of the city or his designee in accordance with the provisions contained in this section, and is not revoked.*

**9.16.060 – Machinery and equipment other than that required for servicing, redrilling and reworking of existing oil wells.**

- A. *It is unlawful for any person to operate any machinery, equipment, compressor, pump, generator, fan, air conditioning apparatus, or similar mechanical device, or provide boarding or daycare to animals in an enclosed building (kennel) in any manner so as to create any noise which would cause the noise level at the property line of any property to exceed the ambient noise level by more than five decibels.*
- B. *This section shall not prevent the normal operation, repair, or maintenance of household gardening equipment and hobby shop equipment or the servicing, redrilling and reworking of oil wells.*

**9.16.070 – Servicing, reworking and redrilling of existing oil wells.**

- A. *Except in case of emergency well work, well servicing reworking and truck deliveries are prohibited except Monday through Friday, inclusive, from seven a.m. to seven p.m. and except for industrial areas and drill sites as shown on the oil well servicing map on file in City Hall where work shall be permitted on Saturdays and Sundays from nine a.m. to seven p.m.*

- B. *During redrilling activities, soundproofing shall be provided in accordance with Section 16.16.110.*
- C.
1. *During redrilling, reworking or servicing operations the operator shall be required to respond to resident complaints about noise from such operations. If the operator has not taken action to reduce the noise from such operations to a level acceptable to the complaining resident within twenty-four hours of the making of the complaint, the city may order the operator to implement one or more of the following temporary noise mitigating measures:*
    - a. *Extension or diversion of oil service rig tailpipes away from affected dwellings.*
    - b. *Replacement of defective or worn mufflers.*
    - c. *Construction of sound barriers up to one hundred twenty square feet in dimension between any operating engine(s) and the affected dwelling, which barriers must comply with all Uniform Fire Code provisions then in effect.*

**9.16.087 – Existing oil field equipment violations and compliance procedures.**

- B.
1. *Should the noise measurement indicate noise levels exceeding the noise levels set forth in Section 9.16.020(B), the city shall notify the operator. The notice shall state the time and date of the city's measurement, the noise level measured, and shall state that the operator must take corrective actions to remedy the violation. The corrective actions may include, but are not limited to, the following:*
    - a. *Repairs to the oil field equipment motor, belts, transmission, etc.;*
    - b. *Construction of an enclosure over the belt, motor, and/or pulleys of sufficient design and quality to mitigate noise to the greatest extent possible;*
    - c. *Construction of a wall between the offending oil field equipment and the dwelling of sufficient height and density to mitigate noise to the greatest extent possible;*
    - d. *Replacement or repair of old aboveground pumping units to achieve noise levels similar to comparable equipment in good working order.*

**TITLE 16 – OIL AND GAS CODE**

**CHAPTER 16.16 – DRILLING STANDARDS**

**16.16.030 – Setbacks and minimum drill site dimensions.**

- B. *No well shall be drilled where the center of the well bore, at ground surface, will be less than the following prescribed distances:*
1. *Fifty feet to any adjacent interior property line not part of an oil and gas surface leasehold;*
  2. *One hundred feet from a non-oil-related building for human occupancy;*
  3. *One hundred feet from existing tanks, tank farms, or tank batteries used for storage of flammable materials;*
  4. *Seventy-five feet from any public right-of-way shown on the city's official plan lines map, general plan, or any specific plan;*
  5. *Three hundred feet from any place of public assemblage, institution, hospital, or school;*

6. *Two hundred feet from any public park.*

**16.16.110 – Soundproofing.**

- A. *If drilling or re-drilling operations are located within six hundred feet of an occupied building, noise sources associated with the operation shall be enclosed with soundproofing sufficient to ensure that expected noise levels do not exceed the noise limits contained in Chapter 9.16 of this code. Such soundproofing shall be installed prior to commencement of operations and may include but shall not be limited to the following:*
  1. *Blanket covering for the first twelve feet above the working platform;*
  2. *Blanket covering of all housing, including but not limited to, engines, pumps, and generators;*
  3. *Additional blanket covering, including the top of rig, crown block, or at ground level when deemed necessary by the inspector.*

**16.16.130 – Noise control--General.**

- A. *All drilling or re-drilling operations shall conform to Chapter 9.16 of this code.*

**CHAPTER 16.20 – OPERATING AND SAFETY STANDARDS**

**16.20.100 – Noise control--General.**

- A. *All operations shall conform to Chapter 9.16 of this code. If noise levels exceed the ambient noise levels permitted in Chapter 9.16, the inspector shall issue a notice to the operator.*

**16.20.110 – Vibration.**

*Vibration from equipment shall be kept to a minimum level, and in such cases as it is required, vibration dampening equipment of the best available technology shall be installed as required by the inspector so as to reduce vibration to a minimum.*

**3.1.8 City of Long Beach – General Plan**

As discussed above, although the Project is located entirely within the City of Signal Hill, because certain nearby receptors are located within the City of Long Beach, both the City of Signal Hill and City of Long Beach noise standards are also utilized to determine the significance of noise impacts at certain receptors within this Noise Impact Analysis. Figure 2, Figure 3, Figure 6 and Figure 7 (Appendix A) displays both City's jurisdictions in relation to the CUP Site boundaries and applicable receptors.

The *City of Long Beach – General Plan* (City of Long Beach, 1975), specifically the Noise Element adopted in 1975, contains detailed descriptions of existing noise sources within the Long Beach area, and provides broad community guidance and goals related to noise. The primary Long Beach General Plan noise standards are found within Table 11 (Recommended Criteria for Maximum Acceptable Noise Levels) of the General Plan. Specifically, Table 5 below summarizes maximum acceptable noise levels, depended upon the noise receiver land use type. See Appendix B for relevant excerpts from the Long Beach General Plan.

**Table 5 Long Beach General Plan – Recommended Criteria for Maximum Acceptable Noise <sup>1</sup>**

Major Land Use Type	Outdoor (dBA)			Indoor (dBA)
	Maximum Single Hourly Peak ( $L_{max}$ )	$L_{10}$ <sup>2</sup>	$L_{50}$ <sup>3</sup>	$L_{dn}$ <sup>4</sup>
Residential <sup>5</sup> (7 a.m. – 10 p.m.)	70	55	45	45
Residential <sup>5</sup> (10 p.m. – 7 a.m.)	60	45	35	35
Commercial (anytime)	75	65	55	--- <sup>6</sup>
Industrial (anytime)	85	70	60	--- <sup>6</sup>

Source: See Table 11 within the Long Beach General Plan – Noise Element (City of Long Beach, 1975).

Footnotes:

1. Based on existing ambient level ranges in Long Beach and recommended U.S. Environmental Protection Agency ratios and standards for interference and annoyance.
2. Noise levels exceed ten percent of the time.
3. Noise levels exceed fifty-percent of the time.
4. Day-Night average sound level. The 24-hour A-weighted equivalent sound level with a 10-decibel penalty applied to nighttime levels.
5. Includes all residential categories and all noise sensitive land uses such as hospitals, schools, etc.
6. Since different types of commercial and industrial activities appear to be associated with different noise levels, identification of a maximum indoor level for activity interference is unfeasible.

### 3.1.9 City of Long Beach – Municipal Code

The *City of Long Beach – Municipal Code* (City of Long Beach, 2022), specifically Title 8 (Health and Safety) and Title 12 (Long Beach Oil Code), were also reviewed and potentially applicable noise standards and requirements are summarized below. Also see Appendix B for relevant excerpts.

#### TITLE 8 – HEALTH AND SAFETY

##### CHAPTER 8.80 – NOISE

##### Section 8.80.150 – Exterior noise limits-Sound levels by receiving land use district.

- B. No person shall operate or cause to be operated any source of sound at any location within the incorporated limits of the City or allow the creation of any noise on property owned, leased, occupied, or otherwise controlled by such person, which causes the noise level when measured from any other property, either incorporated or unincorporated, to exceed:
  1. The noise standard for that land use district as specified in Table A in Section 8.80.160 for a cumulative period of more than thirty (30) minutes in any hour; or
  2. The noise standard plus five (5) decibels for a cumulative period of more than fifteen (15) minutes in any hour; or
  3. The noise standard plus ten (10) decibels for a cumulative period of more than five (5) minutes in any hour; or
  4. The noise standard plus fifteen (15) decibels for a cumulative period of more than one (1) minute in any hour; or
  5. The noise standard plus twenty (20) decibels or the maximum measured ambient, for any period of time.
- C. If the measured ambient level exceeds that permissible within any of the first four (4) noise limit categories in Subsection B of this Section, the allowable noise exposure standard shall be

*increased in five (5) decibels increments in each category as appropriate to encompass or reflect the ambient noise level. In the event the ambient noise level exceeds the fifth noise limit category in Subsection B of this Section, the maximum allowable noise level under said category shall be increased to reflect the maximum ambient noise level.*

**Section 8.80.160 – Exterior noise limits-Correction for character of sound.**

*In the event that alleged offensive noise contains a steady audible tone such as a whine, screech, or hum, or is a repetitive noise such as hammering or riveting or contains music or speech conveying informational content, the standard limits set forth in Table A shall be reduced by five (5) decibels.*

**Table A**  
**Exterior Noise Limits**

Receiving Land Use District*	Time Period	Noise Level** (dBA)
District One	Night: 10:00 p.m.-7:00 a.m.	45
	Day: 7:00 a.m.-10:00 p.m.	50
District Two	Night: 10:00 p.m.-7:00 a.m.	55
	Day: 7:00 a.m.-10:00 p.m.	60
District Three	Any time	65
District Four	Any time	70
District Five	Regulated by other agencies and laws	

\*District One: Predominantly residential with other land use types also present

District Two: Predominantly commercial with other land use types also present

Districts Three and Four: Predominantly industrial with other land types use also present

District Five: Airport, freeways and waterways regulated by other agencies

\*\* Districts Three and Four limits are intended primarily for use at their boundaries rather than for noise control within those districts.

**8.80.170 – Interior noise limits-Maximum sound levels.**

- A. *The interior noise standards for various land use districts as presented in Table C shall apply, unless otherwise specifically indicated, within structures located in designated zones with windows in their normal seasonal configuration.*

**Table C**

Receiving Land Use District	Type of Land Use	Time Interval	Allowable Interior Noise Level (dBA)
All	Residential	10:00 p.m.-7:00 a.m.	35
		7:00 a.m.-10:00 p.m.	45
All	School	7:00 a.m.-10:00 p.m.	45
Hospital, designated quiet zones and noise sensitive zones		Anytime	40

- B. *No person shall operate, or cause to be operated, any source of sound indoors at any location within the incorporated limits of the City or allow the creation of any indoor noise which causes the noise level when measured inside the receiving dwelling unit to exceed:*
1. *The noise standard for that land use district as specified in Table C for a cumulative period of more than five (5) minutes in any hour; or*
  2. *The noise standard plus five decibels (5 dB) for a cumulative period of more than one (1) minute in any hour; or*
  3. *The noise standard plus ten decibels (10 dB) or the maximum measured ambient, for any period of time.*

- C. *If the measured indoor ambient level exceeds that permissible within any of the first two (2) noise limit categories in this Section, the allowable noise exposure standard shall be increased in five decibel (5 dB) increments in each category as appropriate to reflect the indoor ambient noise level. In the event the indoor ambient noise level exceeds the third noise limit category, the maximum allowable indoor noise level under said category shall be increased to reflect the maximum indoor ambient noise level.*

**8.80.190 – Noise disturbances-Prohibited.**

*No person shall unnecessarily make, continue or cause to be made or continued, any noise disturbance.*

**8.80.200 – Noise disturbances-Acts specified.**

*The following acts, and the causing or permitting thereof, are declared to be in violation of this Chapter:*

- G. *Vibration. Operating or permitting the operation of any device that creates vibration which is above the vibration perception threshold of an individual at or beyond the property boundary of the source if on private property or at one hundred fifty feet (150') (forty-six (46) meters) from the source if on a public space or public right-of-way. For the purposes of this subsection, "vibration perception threshold" means the minimum ground or structure-borne vibrational motion necessary to cause a normal person to be aware of the vibration by such directed means as, but not limited to, sensation by touch or visual observation of moving objects. The perception threshold shall be presumed to be .001 g's in the frequency range 0-30 hertz and .003 g's in the frequency range between thirty and one hundred hertz;*

**8.80.260 – Exemption-Oil and gas wells.**

*The provisions of this Chapter shall not apply to:*

- A. *Normal well servicing, remedial or maintenance work performed within an existing well which does not involve drilling or re-drilling and which is restricted to the hours between seven a.m. and seven p.m., exclusive of weekends and holidays, in residential areas;*
- B. *Any drilling or re-drilling work which is done in full compliance with Subsection 8.80.040.E and Sections 8.80.060 through 8.80.120, and with the soundproofing and all other requirements of Section 12.32.030.*

**TITLE 12 – LONG BEACH OIL CODE**

**CHAPTER 12.32 – NOISE**

**12.32.020 – Areas 5, 6, 7A, 7B, 8, 9, 12, 13, 16, 18, 19, 21, 22, 23 and 24.**

- A. *No person, either as owner, agent, or operator, shall conduct any drilling, or re-drilling operation at any well located within oil operating areas 5, 6, 7A, 7B, 8, 9, 12, 13, 16, 18, 19, 21, 22, 23 and/or 24 in any manner so as to create any noise which causes the exterior noise level when measured at the property line of any single- or multiple-family dwelling unit, guest room, commercial building, school, hospital, church, or public library to exceed the noise level standards set forth in Table 1. The exterior noise level generated by the drilling or re-drilling operation shall be continuously monitored to ensure conformance to the noise level standards. The costs of such monitoring shall be borne by the operator conducting such operation.*

*Table 1*  
**EXTERIOR NOISE LEVEL\***

<i>Cumulative Number of Minutes in any One-hour Time Period</i>	<i>Noise Level Daytime 7:30 a.m. to 9:30 p.m.</i>	<i>Standards, dBA Nighttime 9:30 p.m. to 7:30 a.m.</i>
30	50	45
15	55	50
5	60	55
1	65	60
0	70	65

\* In accordance with Chapter 8.80 – Noise

No person, either as owner, agent, or operator, shall conduct any drilling or redrilling operation at any time at any well located in oil operating areas 5, 6, 7A, 7B, 8, 9, 12, 13, 16, 18, 19, 21, 22, 23 and/or 24 in any manner so as to create any noise which causes the interior noise level in excess of those limits provided in Chapter 8.80.

1. If the measured ambient level exceeds that permissible within any of the first four (4) noise limit categories in Table 1 above, the allowable noise exposure standard shall be increased in five (5) decibel increments in each affected category as appropriate to encompass or reflect the ambient noise level. In the event the ambient noise level exceeds the fifth (5th) noise limit category, the maximum allowable noise level under said category shall be increased to equal the maximum ambient noise level.

### 3.1.10 Project-Related Noise Level Increases

The subjective reactions to change in noise levels shown in Table 6 are also commonly used to identify expected public reaction to changes in environmental noise levels. Table 6 was developed on the basis of test subjects’ reaction to changes in the levels of steady-state pure tones or broad-band noise and to changes in levels of a given noise source (i.e., oil and gas extraction/processing equipment). Table 6 was taken from the *Fundamentals of Noise and Vibration Analysis for Engineers* (Norton & Karczub, 2003). As described within the reference materials, these changes in environmental noise level are most applicable to noise levels in the range of 50 to 70 decibels (dBs).

**Table 6 Subjective Reaction to Changes in Noise Levels of Similar Sources**

<b>Change in Level (dBA)</b>	<b>Factor Change in Acoustical Energy</b>	<b>Subjective Reaction</b>
+1	1.3	Imperceptible (Except for Tones)
+3	2.0	Just Barely Perceptible
+6	4.0	Clearly Noticeable
+10	10.0	About Twice (or half) as Loud

Source: *Fundamentals of Noise and Vibration Analysis for Engineers, 2<sup>nd</sup> Edition* (Norton & Karczub, 2003).

The subjective reactions to changes in noise levels presented in Table 6 concepts are also used to determine the potential significance of the Project’s noise impacts in Section 6.1.1.

### 3.1.11 Vibration Criteria

The California Department of Transportation’s (Caltrans) *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020) presents numerous methods and criteria by which projects can assess potential impacts caused by vibration-generating activities. Table 7 outlines Caltrans threshold criteria for project-related vibration impacts on nearby human populations, based on test subjects’ responses to transient vibrations in terms of peak particle velocity (PPV) in units of inches per second (in/sec).

**Table 7 Human Responses to Transient Vibration**

PPV (inches/second)	Human Response
2.0	Severe
0.9	Strongly perceptible
0.24	Distinctly perceptible
0.035	Barely perceptible

Source: *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020).

Also presented in the Caltrans guidance document, Table 8 summarizes the American Association of State Highway and Transportation Officials (AASHTO) (1990) identified maximum vibration levels for preventing damage to structures from intermittent construction or maintenance activities. Table 8 summarizes the AASHTO maximum levels (in/sec, or PPV).

**Table 8 AASHTO Maximum Vibration Levels for Preventing Damage**

Type of Situation	Limiting Velocity (in/sec)
Historic sites or other critical locations	0.1
Residential buildings, plastered walls	0.2 – 0.3
Residential buildings in good repair with gypsum board walls	0.4 – 0.5
Engineered structures, without plaster	1.0 – 1.5

Source: *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020).

The Caltrans vibration criteria presented above are used to determine the potential significance of the Project’s groundborne vibration impacts in Section 6.1.2.

### 3.1.12 CEQA Guidelines

The CEQA Guidelines provide threshold criteria used to determine whether a discretionary project would result in a potentially significant impact to the environment. These criteria are found in the Environmental Checklist in Appendix G of the CEQA Guidelines. Section 13 of the Environmental Checklist outlines criteria for noise analysis, and these criteria are applied in this Noise Impact Analysis to determine potential significance of noise and vibration impacts associated with the proposed Project. See Sections 4.0 and 6.0 below for additional detail.

### **3.2 Environmental Setting**

This section describes the noise environment and existing noise sources in and around the seven CUP Sites, the sensitive receptors near the Project site(s), as well as the measured ambient noise levels in these areas. For this Project, the existing setting and ambient noise levels include SHP's ongoing oil and gas extraction and processing operation currently occurring at all seven CUP Sites (see Figure 1, Appendix A).

#### **3.2.1 Regional Setting**

As discussed above, the Project site(s) (i.e., CUP Site #1 through #7) are located throughout the City of Signal Hill, within developed urban areas, adjacent to lands designated for industrial, commercial and residential uses. Additionally, many of the adjacent properties are either owned by SHP and leased out to various residential, commercial or industrial tenants, or were previously owned by SHP and sold for redevelopment. Nearby prominent roadways include Interstate 405 (I-405), Atlantic Avenue, Orange Avenue, Cherry Avenue, Temple Avenue/Obispo Avenue, Redondo Avenue, and E. Will Street. As discussed above, traffic on I-405 represents a constant source of background noise within the Project vicinity. The closest airport/airstrip is the Long Beach Airport located approximately 1.0 miles away to the northeast of CUP Site #5. Aircraft flyovers originating from the Long Beach Airport also represent a low but relatively constant source of daytime background noise within the Project vicinity. See Figure 1 which shows the regional Project site setting, and Figure 2 through Figure 7 which show the locations of nearby receptors.

#### **3.2.2 Local Vibration Environment**

The existing ambient vibration environment in the immediate Project vicinity is extremely low, as would be expected in typical environments with no appreciable sources of local vibration. During field visits, Sespe staff could not detect any appreciable groundborne vibrations resulting from SHP's existing oil and gas extraction and processing operations. As such, existing background vibration levels around the Project/CUP Site perimeters are below the threshold of perception.

#### **3.2.3 Local Noise Environment**

The existing ambient noise environment is consistent with that of a densely developed urban area. Because of the active urban environment, naturally elevated baseline noise levels are common and generally persistent. Existing noise sources near the Project site receptors include equipment noise from SHP's existing operations, industrial noise from other nearby non-SHP-owned facilities, active commercial centers (e.g., big box retail stores, restaurants, etc.), traffic/transportation noise, and natural sounds (wind, dogs barking, etc.). Existing intermittent yet significant noise sources included motorcycles, train noise, and occasional aircraft flyovers. These surrounding noise sources, along with SHP's existing oil and gas operations, constitute the existing physical conditions.

To quantify the existing ambient (i.e., baseline) noise environment experienced at applicable property lines and receptors closest to the Project, a total of ten (10) 24-hour noise measurements were collected at eight (8) locations surrounding each CUP Site over the course of two weeks (beginning April 12<sup>th</sup>, 2022 and ending April 27<sup>th</sup>, 2022). The noise measurements were recorded using two (2) Quest™ DL SoundPro™, Type 2 noise meters (Serial #'s BGI04008, BIJ090010). Noise meters were programmed in

“slow” mode, in “A” weighted form, and logging every minute. The microphones were equipped with windscreens during the measurements, and noise meters were calibrated using two (2) Quest™ QC-10 calibrators (Serial #'s QIB070141, QIJ090052) prior to, and following each, measurement taken. The noise meters and calibrators were factory calibrated by Engineering Dynamics, Inc. within the past year.

Noise sensitive receptors are generally defined as “dwellings, schools, hospitals, nursing homes, churches, and libraries” within the CEQA Guidelines. Per the applicable City of Signal Hill and City of Long Beach noise standards, noise impacts to nearby commercial and industrial receptors are also considered within this Noise Impact Analysis. In general, the closest relevant receptor in each direction from the CUP Sites was evaluated. Measurements at these closest receptors conservatively account for other potentially affected receptors located farther from the Project site(s) and equipment noise sources. When appropriate, receptors are grouped together and the estimated noise impacts at the worst-case portion of the group was determined. The locations of the baseline noise measurements and the corresponding Project site receptors evaluated in this Noise Impact Analysis are shown on Figure 2 through Figure 7 (Appendix A), and summarized in Table 9 below.

**Table 9 Summary of Receptor Locations**

CUP Site	Receptor	Receptor Type	Description
CUP Site #1	R1	Residence	Residential neighborhoods located east of CUP Site #1, across Atlantic Avenue.
	R2	Commercial	Commercial receptor (Home Depot) located immediately northeast of CUP Site #1, within the Gateway shopping center.
	R3	Commercial	Commercial receptor (Ross Dress for Less & Petco) located immediately northwest of CUP Site #1, within the Gateway shopping center.
	R4	Commercial	Commercial receptor (Jack in the Box) located immediately south of CUP Site #1, within the Gateway shopping center
CUP Site #2	R5	Commercial	Commercial receptor (business park with various tenants) located south of CUP Site #2, across E. 29 <sup>th</sup> Street.
	R6	Commercial	Commercial receptor (Long Beach Honda) located east of CUP Site #2.
	R7	Industrial	Industrial receptor (Rain for Rent) located north of CUP Site #2, across E. Spring Street.
CUP Site #3	R8	Residence	Residential apartment complex located southwest of CUP Site #3, across the intersection of Walnut Avenue and E. Willow Street.
	R9	Commercial	Commercial receptor (Food 4 Less) located southwest of CUP Site #3, across E. Willow Street.
	R10	Commercial	Commercial receptor (2 H Construction) located west of CUP Site #3, across Walnut Avenue.
	R11	Commercial	Commercial receptor (99 Cents Only Store) located east of CUP Site #3.
	R12	Industrial	Industrial receptor (miscellaneous auto repair shops) located northeast of CUP Site #3.
CUP Site #4	R13	Residence	Residential apartment complex located northeast of CUP Site #4, across the intersection of Junipero Avenue and Combellack Drive.
	R14	Commercial	Commercial receptor (Costco Wholesale) located north of CUP Site #4.

CUP Site	Receptor	Receptor Type	Description
	R15	Commercial	Commercial receptor (Home Depot) located immediately west of CUP Site #4.
CUP Site #5	R16	Residence	Residential neighborhoods located north of CUP Site #5, across Combella Drive.
	R17	Residence	Residential neighborhoods located immediately east of CUP Site #5.
	R18	Residence	Residential neighborhoods located southwest of CUP Site #5.
CUP Site #6	R19	Residence	Residential neighborhoods located north of CUP Site #6, across 20 <sup>th</sup> Street.
	R20	Residence	Residential neighborhoods located northeast of CUP Site #6, across the intersection of 20 <sup>th</sup> Street and Redondo Avenue.
	R21	Commercial	Commercial receptor (Platt Investigations, Inc.) located immediately west of CUP Site #6.
CUP Site #7	R22	Commercial	Commercial receptor (Don Miller & Sons Plumbing) located immediately east of CUP Site #7.

Figure 2 through Figure 7 (Appendix A) show the locations described above.

Table 10 presents the ambient noise levels measured near the receptors within the Project site vicinity on April 12<sup>th</sup> through the 14<sup>th</sup>, and April 25<sup>th</sup> through 28<sup>th</sup>, 2022. As discussed above, noise from the SHP’s existing operations under CUP 97-03 were captured in the ambient noise levels, as the CUP Sites were operating while the measurements were taken. Noise measurement logs and additional information regarding the background noise level determination are included in Appendix C.

Table 10 and shows the daytime (7:00 – 10:00 p.m.), nighttime (10:00 p.m. – 7:00 a.m.), and 24-hour average ( $L_{eq}$ ) exterior noise levels, as well as 24-hour Community Noise Equivalent Level (CNEL) exterior noise level measured within the vicinity of the CUP Sites/Project receptors. The ambient noise level metrics shown in Table 10 are utilized to address the applicable Signal Hill and Long Beach criteria. Refer to Appendix C for additional detail.

**Table 10 Ambient Noise in Project Vicinity**

CUP Sites / Receptors	Average ( $L_{eq}$ )			CNEL
	Daytime (7:00 a.m. – 10:00 p.m.)	Nighttime (10:00 p.m. – 7:00 a.m.)	24-Hours	24-Hours
CUP Site #1 (R1 – R4)	74.4	61.9	72.4	73.7
CUP Site #2 (R5 – R7)	66.7	66.3	66.5	73.0
CUP Site #3 (R8 – R12)	58.5	56.8	57.9	63.7
CUP Site #4 (R13 – R15)	69.3	59.5	67.5	69.5
CUP Site #5 (R16 – R18)	57.8	55.1	57.0	62.3
CUP Site #6 (R19 – R21)	59.8	52.5	58.2	61.7
CUP Site #7 (R22)	57.8	56.8	57.5	63.5

See Figure 2 through Figure 7 in Appendix A, and the ambient noise data in Appendix C for additional detail.

#### 4.0 SIGNIFICANCE THRESHOLDS

According to the Appendix G Checklist in the CEQA Guidelines (CCR, Title 14, Division 6, Chapter 3, §15000 – 15387), a project would have a potentially significant noise effect if it were to result in any of the following:

- a) *Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies (see Section 6.1.1).*
- b) *Generation of excessive groundborne vibration or groundborne noise levels (see Section 6.1.2).*
- c) *For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels (see Section 6.1.3).*

#### 4.1 City of Signal Hill – Applicable Noise Thresholds

As described in Sections 3.1.6 and 3.1.7 above, the City of Signal Hill has adopted various guidelines, requirements and policies related to noise within their General Plan and Municipal Code. Applicable City noise thresholds are utilized to address CEQA Guidelines Appendix G, Noise Threshold Criteria (a). Table 11 below summarizes the applicable City of Signal Hill General Plan noise thresholds.

**Table 11 City of Signal Hill – Applicable General Plan Standards**

General Plan – Noise Element	CNEL Threshold
<b>Policy 1.e:</b> Require noise mitigation to ensure that noise-sensitive land uses are not exposed to noise levels of greater than 45 dB in habitable rooms and 65 dB in outdoor living areas.	Exterior = 65 dB Interior = 45 dB

Source: Signal Hill General Plan – Noise Element (City of Signal Hill, 2009).

In addition to the General Plan, the City of Signal Hill Municipal Code also contains various noise standards that would apply to Project noise sources. Specifically, Section 9.16.060 notes that *“it is unlawful...to operate any machinery, equipment, compressor, pump, generator, fan, air conditioning apparatus, or similar mechanical device...so as to create any noise which would cause the noise level at the property line of any property to exceed the ambient noise level by more than five decibels”*, however this section would not apply to *“the servicing, redrilling and reworking of oil wells”* (City of Signal Hill, 2021). As such, the Section 9.16.060 standard has been applied to noise resulting from proposed gas system modifications at CUP Site #2, but not redrilling/drilling activities.

Section 9.16.020 of the Signal Hill Municipal Code also presents *“ambient base noise levels”* for residential, commercial, and industrial land use types. For industrial properties, Section 9.16.020 lists a 70-decibel base noise level for both the daytime (7:00 a.m. – 10:00 p.m.) and nighttime (10:00 p.m. – 7:00 a.m.) periods. Note that this 70-decibel threshold for industrial properties is also consistent with both the 1998 MND prepare for CUP 97-03, and 2015 SMND prepared for the natural gas processing upgrades at CUP Site #2, which both describe a requirement *“that a noise study be performed after project installation to*

*confirm that operation of the gas processing plant would not exceed the City noise standard of 70 dB as measured at the property line.”* (RFB Consulting, 2015). Therefore, this 70-decibel threshold has been applied at the property line of CUP Site #2 to determine the significance of operational noise impacts associated with the proposed gas system modifications. Note that unlike the Section 9.16.060 Municipal Code standard described above, the 70-decibel limit does not take existing ambient noise levels into account, and is only applied to the noise generated by the gas processing equipment alone.

The applicable City of Signal Hill significance criteria presented above are utilized to address CEQA Guidelines Appendix G, Noise Threshold Criteria (a) for all Project receptors in Section 6.1.1.

#### **4.2 Project-Related Noise Increases**

As discussed in 4.2, humans have different subjective reactions to changes in noise levels. As shown in Table 6, +3 decibel increase above the ambient is generally accepted as the minimum perceptible change in noise resulting from a source (Norton & Karczub, 2003). This concept was also applied within the 2015 SMND, which noted that *“project noise sources [that] increase ambient noise levels by more than three decibels (dBA)”* could be considered significant (RFB Consulting, 2015). Furthermore, the City of Signal Hill is currently in the process of updating their General Plan – Housing Element, and the Draft EIR prepared for this process also utilized a *“noise levels increased by more than 3 dBA”* threshold for operational noise sources (City of Signal Hill, 2021). Therefore, if the Project equipment sources are found to generate noise levels at nearby receptors in excess of +3 decibels or more above the measured ambient noise levels, then a potentially significant impact would result. This change criterion is also utilized to address CEQA Guidelines Appendix G, Noise Threshold Criteria (a) for all Project receptors in Section 6.1.1.

#### **4.3 City of Long Beach – Applicable Noise Thresholds**

As discussed in Section 3.1 above, although the Project is located entirely within the City of Signal Hill, because certain nearby receptors are located within the City of Long Beach, applicable Long Beach noise standards are also considered within this Noise Impact Analysis. Specifically, Receptor R1 near CUP Site #1, Receptor R7 near CUP Site #2, and Receptors R19 and R20 near CUP Sites #6 and #7 are all located within the jurisdiction of the City of Long Beach (see Figure 2 through Figure 7 in Appendix A). As described in Sections 3.1.8 and 3.1.9 above, the City of Long Beach has adopted various guidelines, requirements and policies related to noise within their General Plan and Municipal Code. For those receptors located within the City’s jurisdiction, the applicable Long Beach noise thresholds are also utilized to address CEQA Guidelines Appendix G, Noise Threshold Criteria (a).

Section 8.80.160 of the Long Beach Municipal Code (see Section 3.1.9 above) outlines numeric exterior noise level standards, for both daytime (7:00 a.m. – 10:00 p.m.) and nighttime (10:00 p.m. – 7:00 a.m.) hours, specific to various land use type (i.e., Districts One, Two, Three, Four and Five). Table 12 presents the applicable Municipal Code noise thresholds, which have been applied to determine the potential significance of Project noise impacts at sensitive receptors located within the City of Long Beach. Also see Appendix B for additional detail.

**Table 12 City of Long Beach –Municipal Code Noise Standards**

Receiving Land Use District	Daytime – L <sub>eq</sub> (dBA) (7:00 a.m. – 10:00 p.m.)	Nighttime – L <sub>eq</sub> (dBA) (10:00 p.m. – 7:00 a.m.)
District One (Residential)	50	45
District Two (Commercial)	60	55
District Three (Industrial)	65	65
District Four (Industrial)	70	70
District Five (Airport, Freeways and Waterways) <sup>A</sup>	---	---

Source: Long Beach Municipal Code, Chapter 8.80 – Noise, specifically Section 8.80.160 (Exterior noise limits-Correction for character of sound).

A – Per Section 8.80.160 of the Long Beach Municipal Code, noise levels experience at District Five land uses are “regulated by other agencies and laws”.

In instances where the measured ambient noise levels within the vicinity of the affected Long Beach receptors already exceed the applicable numeric standards presented in Table 12 above, the +3 decibel change criterion described in Section 4.1 above is utilized to determine the potential significance of Project noise impacts. The applicable Long Beach standards and/or change criterion is utilized to address CEQA Guidelines Appendix G, Noise Threshold Criteria (a) in Section 6.1.1, specifically for those receptors located within the City of Long Beach.

#### 4.4 Vibration Significance Thresholds

The City of Signal Hill does not have any numeric ordinances, policies, criteria or restriction related to groundborne vibration. Rather, Section 16.20.110 of the City’s Municipal Code (see Section 3.1.7) generally notes that “vibration from equipment shall be kept to a minimum level, and in such cases as it is required, vibration dampening equipment of the best available technology shall be installed as required by the inspector so as to reduce vibration to a minimum” (City of Signal Hill, 2021).

While the City of Signal Hill does not have applicable numeric vibration thresholds, Section 8.80.200 of the City of Long Beach – Municipal Code, notes that the operating “any device that creates vibration which is above the vibration perception threshold of an individual at or beyond the property boundary of the source if on private property” is generally prohibited (City of Long Beach, 2022). Section 8.80.200 further notes that the “vibration perception threshold” is generally presumed “presumed to be .001”s in the frequency range 0-30 hertz and .003”s in the frequency range between thirty and one hundred hertz”. Note that a 0.003-g vibration level is equivalent to an approximate peak particle velocity (PPV) of 0.386 inches per second (in/sec).

Similarly, as discussed in Section 3.1.11 above, both Caltrans and the FTA have developed a set of criteria to assess the potential impacts caused by vibration-generating activities. Table 3 and Table 7 outline threshold criteria for Project-related vibration impacts on nearby human populations, based on test subjects’ responses to transient vibrations in terms of peak particle velocity (PPV) in units of inches per second (in/sec). Specifically, a peak particle velocity (PPV) of 0.035 inches per second (in/sec) may be utilized to determine the significance of a project’s vibration impacts for human receptors. Similarly, Table 8 notes that a PPV of 0.1 in/sec has the potential to damage historic buildings and other critical sites, which could also be utilized to determine the significance of a project’s vibration impacts for structural

receptors.

Because the Caltrans/FTA vibration criteria is more conservative than the City of Long Beach standard for human receptors, both a PPV of 0.035 in/sec for human receptors, and a PPV of 0.1 in/sec for structural receptors are utilized to determine the significance of Project vibration impacts per CEQA Guidelines Appendix G, Noise Threshold Criteria (b). See Section 6.1.2 and Appendix E for additional detail.

## 5.0 METHODOLOGY

As summarized in Section 2.0, the Project is primarily the continuance of SHP's existing consolidated oil and gas operations at the seven CUP Sites covered under CUP 97-03 for the proposed 20-year term. Noise resulting from the proposed construction and operation of the natural gas processing facility modifications at CUP Site #2 is the primary new Project noise sources evaluated within this Noise Impact Analysis. Additionally, although drilling and re-drilling operations have and would continue to occur in the same manner and location (i.e., within the CUP Site boundaries), and with the same equipment/drill rigs that SHP currently uses, conservatively this Noise Impact Analysis treats these existing operations as a "new" noise source, and therefore quantifies potential impacts at nearby receptors as a result of drilling/re-drilling activity during the proposed 20-year term of the Project. Note that noise generated by the remainder of SHP's existing and ongoing oil and gas operations (e.g., oil/gas extraction, tanks/conveyances, off-road equipment, on-road vehicles, routine maintenance/servicing, ancillary operations, natural gas processing and the power turbine at CUP Site #2, etc.) were captured within the ambient noise levels (see Table 10), as all seven CUP Sites were fully active and operational while the measurements were being collected.

To quantify the noise and vibration levels generated by the Project noise sources (e.g., off-road mobile equipment, tanks and pumps, drilling rigs, etc.) reference data was gathered from the Federal Highway Administration's (FHWA) *Roadway Construction Noise Model User Guide* (Federal Highway Administration, 2006), the Federal Transit Administration's (FTA) *Transit Noise and Vibration Impact Assessment Manual* (Federal Transit Administration, 2018), and the City's *General Plan – Noise Element* (City of Signal Hill, 2009). Specifically, average ( $L_{eq}$ ) and maximum sound pressure level ( $L_{max}$ ) FHWA reference data was utilized to estimate the noise levels associated with off-road mobile equipment (needed to construct the gas plant modifications) and miscellaneous pumps, tanks, and compressors (representative of the modified gas plant noise sources once operational). The FTA's vibration reference levels (PPV – in/sec) for common types of construction and drilling equipment was also utilized. Average ( $L_{eq}$ ) and maximum ( $L_{max}$ ) noise levels resulting from drilling and re-drilling activities presented in the City's General Plan were incorporated. See Appendix B for relevant excerpts from the FHWA, FTA and City reference documents.

The following sections summarize the methodologies, assumptions and reference noise levels utilized in the analyses of each Project activity with the potential to generate noise at nearby sensitive receptors, specifically the following: 1) Gas System Modification – Construction; 2) Gas System Modification – Operations; and, 3) Drilling (new wells) and Re-drilling (existing wells). Also see the calculations in Appendix D for additional detail.

### 5.1 Natural Gas Processing Facility Modification – Construction

To determine noise impacts during construction of the proposed natural gas processing system modifications at CUP Site #2, various noise reference data was utilized. Per information provided by SHP, mobile equipment (e.g., backhoe, crane, etc.) and other smaller tools (e.g., concrete saw, welder/torch, drum mixer, etc.) would operate onsite to prepare the surface foundations, install/anchor the new equipment (e.g., compressor, LTS unit, CO2 unit, burner, etc.), and conduct ancillary construction activities

as needed. As shown on Figure 3 (Appendix A), the natural gas modifications would be installed within the northwestern portion of CUP Site #2, adjacent to the existing natural gas/vapor recovery systems.

To determine worst-case noise impacts during construction of the gas system modifications, it is assumed that the construction equipment summarized in Table 13 below would operate simultaneously at-grade in the onsite construction area closest to the nearest SHP property line and/or each affected receptor (see Figure 3, Appendix A). Note that due to large existing structures found at CUP Site #2, specifically the onsite field office/power turbine infrastructure located immediately north of the proposed gas system modification area (see Figure 3), as well as the block walls that surrounds CUP Site #2, line-of-sight would either be partially or fully blocked between onsite construction activities and offsite receivers. Therefore, some shielding and noise attenuation due to these intervening structures was accounted for in the impact calculations. See Section 5.4 below, as well as the photos in Appendix F, for additional detail.

Table 13 shows the type and quantity of equipment estimated to be utilized at CUP Site #2 during construction of the gas system modifications. Usage fraction (%) and maximum sound pressure level ( $L_{max}$ ) noise data shown for mobile sources are FHWA default values. Source noise calculations in Appendix D provide additional detail.

**Table 13 Gas System Modification – Construction Equipment Noise References**

Equipment Noise Source	$L_{max}$ @ 50-feet (dBA)	Usage (%)	$L_{eq}$ @ 50-feet (dBA)
Backhoe	80	40%	76
Concrete Saw	90	20%	83
Crane	85	16%	77
Drum Mixer	80	50%	77
Welder / Torch	73	40%	69

Source: *Roadway Construction Noise Model User Guide* (Federal Highway Administration, 2006). See Appendix D for additional detail.

Per information provided by SHP, and in accordance with Section 9.16.050 of the City’s Municipal Code (see Section 3.1.7), construction of the proposed gas system modifications would be limited to Monday through Friday, between the hours of 7:00 a.m. and 6:00 p.m. Because certain City criteria applies to noise effects over a 24-hour period (e.g., Community Noise Equivalent Level [CNEL] noise levels), it was assumed that the construction equipment summarized in Table 13 would operate simultaneously for up to 11-hours in a given day, at-grade, in the applicable construction area in closest proximity to nearest Project property boundary/sensitive receptor (see Figure 3, Appendix A).

## 5.2 Natural Gas Processing Facility Modification – Operation

Once construction of the natural gas processing system modifications at CUP Site #2 are complete, the equipment would be placed into full operation. As discussed in Section 2.3.1, the following new components would operate: (i) a sales gas booster compressor; (ii) a redundant low temperature separation (LTS) unit; (iii) a redundant CO2 capture and sequestration unit (“CO2 unit”); and, (iv) a Cimarron certified ultra-low emissions “CEB 800” burner. The new units would be sized for handling 2,000

mscf per day of natural gas each and would be installed contiguous to the existing equipment (see Figure 3 in Appendix A for the approximate equipment locations). As with SHP’s existing natural gas plant at CUP Site #2, the new units would operate continuously, 24-hours per day, except during intermittent periods of maintenance or repairs.

Per information provided by SHP, Table 14 summarizes approximated noise-generating components that would operate continuously 24-hours per day at CUP Site #2 as part of the modified natural gas processing system. As with the construction impact analysis, conservatively it was assumed the plant components would operate simultaneously at-grade, in the onsite location closest to each affected SHP property line/sensitive receptor. Additionally, some noise attenuation was assumed due to shielding provided by the large power turbine building and the existing block walls which surround CUP Site #2, as these existing structures would partially or complete shield onsite equipment noise sources. See the source noise calculations in Appendix D for additional detail.

**Table 14 Gas System Modification – Operational Component Noise References**

Equipment Noise Source	L <sub>max</sub> @ 50-feet (dBA)	Usage (%)	L <sub>eq</sub> @ 50-feet (dBA)
Compressor (air)	80	40%	76
Generator	82	50%	79
Pumps	77	50%	74
Ventilation Fan	85	100%	75

Source: *Roadway Construction Noise Model User Guide* (Federal Highway Administration, 2006). See Appendix D for additional detail.

### 5.3 Drilling (New Wells) & Redrilling (Existing Wells)

SHP uses two company-owned drilling rigs for their drilling/redrilling operations, depending on the depth to be drilled. The lighter-duty drilling rig is SHP’s Drill Rig #5. The majority of Drill Rig #5 components are electrically powered, with the exception of the drawworks and mast which are powered by a portable diesel-powered engine. SHP’s larger, heavier-duty Drill Rig #6 is fully electrically powered (i.e., no engines or generators used during drilling/redrilling operations).

To quantify noise generated by SHP’s ongoing drilling/redrilling operations at the CUP Sites, average (L<sub>eq</sub>) and maximum (L<sub>max</sub>) noise levels resulting from drilling and redrilling activities presented in the City’s *General Plan – Noise Element* (City of Signal Hill, 2009) were utilized (see relevant General Plan excerpt in Appendix B). As presented in the General Plan, the City performed noise testing during drilling operations conducted at a well in the parking lot of the Costco/The Home Depot center located at the southeast corner of Cherry Avenue and Willow Street (close to CUP Site #4). Measurements were collected along the fence of the derrick enclosure, in an open area, with no buildings or topographical changes that could affect the measured noise levels. Per the City’s General Plan, Table 15 presents the noise levels measured within the vicinity of the drilling operations, at various distance intervals.

Note that the General Plan measurements not only capture noise resulting from drill rig operations, but also capture ancillary activities occurring within the vicinity, including generators, mud pumps, and other

equipment (i.e., equipment and personnel moving throughout the derrick enclosure). Additionally, the General Plan measurements were heavily influenced by noise coming from “generator trailers”. As discussed above, SHP’s drill rigs are mostly electrified and would not require the significant use of generators, other than intermittently for the drawworks when operating Drill Rig #5. Therefore, the noise levels presented in Table 15 conservatively accounts for the estimated total noise resulting from SHP’s ongoing drilling/redrilling operations.

**Table 15 Drilling/Redrilling – Reference Noise Level(s)**

Measurement Distance (feet)	Average Noise Level ( $L_{eq}$ )	Measured Maximum ( $L_{max}$ )
120	65	75
120	62	70
80	65	76
60	68	86
80	76	78
120	76	81
120	75	78
80	73	82
60	73	77
80	69	79

Source: *City of Signal Hill, General Plan – Noise Element* (City of Signal Hill, 2009). See Appendix B and D for additional detail.

As shown in Appendix D, to simplify the Project impact calculations, the General Plan noise levels summarized in Table 15 were normalized to a reference distance of 50-feet. Specifically, it’s estimated that receptors at a reference distance of 50-feet would experience an average ( $L_{eq}$ ) noise level of 78.2 decibels (dBA), and maximum ( $L_{max}$ ) noise level of 84.5 decibels during drilling/redrilling operations.

Furthermore, as discussed in Section 5.6 below, drilling of new wells and redrilling of existing wells potentially requires continuous 24-hour drill rig operations in a given day. Therefore, to determine worst-case noise impacts, it was assumed that during redrilling of existing wells and for drilling of new wells, the applicable drill rig (both Drill Rig #5 or #6 can be used) would operate continuously for 24-hours a day at each CUP Site.

Lastly, while the majority of drilling/redrilling would continue to occur within the existing well cellars at each CUP Site, there is a potential that SHP could construct new well cellars in other onsite locations within the existing CUP boundaries to allow for the construction of new oil production and/or water injection wells. Therefore, conservatively it was assumed that drilling/redrilling could occur anywhere within the CUP boundaries, other than areas with significant existing infrastructure (i.e., tanks, piping, buildings/structures, etc.) that would preclude the construction of new well cellars. Additionally, the required minimum drilling setbacks outlined in Section 16.16.030 of the Municipal Code were also accounted for. See the figures in Appendix A for additional detail.

### 5.3.1 Soundproofing/Sound Barriers

Per Section 16.16.110 of the City's Oil and Gas Code (Title 16 of the Municipal Code), onsite soundproofing is required *"if drilling or redrilling operations are located within six hundred feet of an occupied building"*. Specifically, the City requires that *"noise sources associated with the operation...be enclosed with soundproofing sufficient to ensure that expected noise levels do not exceed the noise limits contained in Chapter 9.16"* of the Municipal Code, through the use of sound curtains, blankets, or other appropriate noise controls. See Section 3.1.7 above for additional detail.

Therefore, consistent with Section 16.16.110 of the City's Oil and Gas Code, and in accordance with SHP's standard protocols and procedures, as needed SHP will continue to utilize engineered sound curtains during drilling and redrilling operations at each CUP Site where the activities are occurring. Consistent with existing protocols, when used sound curtains would continue to be installed around either the entirety of the rig, and affixed to the noisiest components (e.g., engines, pumps, etc.) of the drilling/redrilling equipment when in operation. To ensure SHP's use of sound curtains remains effective, acoustical blankets used during drilling/redrilling would be installed with sufficient length and height so as to break line-of-sight between the noisiest components of the drill rig and the affected receivers (residences, commercial buildings, etc.).

SHP would continue to utilize sound curtains with a minimum Sound Transmission Class (STC) rating of 25 (STC-25), which are conservatively estimated to provide a minimum noise levels reduction of -9 decibels (dBA). This estimated reduction is based on a detailed 2006 study, which measured the effectiveness of acoustical barriers (i.e., sound curtains) implemented at as part of a drilling operation (Behrens and Associates, Inc., 2006), as well as specifications provided by sound barrier manufacturers (see Appendix F). If deemed necessary, SHP would continue to use field noise dosimeters to confirm that barriers used during drilling/redrilling are sufficiently effective at controlling noise, and that noise levels measured at nearby receptors are within acceptable limits per Chapter 9.16 of the Signal Hill Municipal Code. See Appendix F, which provides specification sheets for sound curtain products that would be used during drilling/redrilling, as well as a photo of sound curtains currently installed at CUP Site #5 (note, this installation is not to control drilling/redrilling noise).

### 5.3.2 Well Cellar Construction

As discussed in Section 2.2.2, while SHP would primarily continue drilling/redrilling operations within the existing well cellars at each CUP Site, however at times a new ancillary well cellar may need to be created. At most, a single backhoe would have to operate at the given CUP Site for no more than 4 hours to excavate the necessary well cellar depression. Additionally, well cellar construction would occur during daytime hours only (7:00 a.m. and 6:00 p.m.), Monday through Friday, consistent with Section 9.16.050 of the City's Municipal Code (City of Signal Hill, 2021). Due to the short duration and low equipment activity levels associate well cellar construction, and the fact that well cellar construction would occur during daytime hours only, noise and vibration impacts are expected to be de minimis when compared to louder drilling/redrilling operations. As such, noise effects associated with well cellar construction have been excluded from this Noise Impact Analysis.

## 5.4 Noise Attenuation due to Existing Barriers/Structures

### 5.4.1 Existing Perimeter Walls

As discussed above, the majority of the CUP Site perimeters are surrounded by existing cinder block walls, thick concrete panel fencing, or chain-link fencing with wind/silt screens to provide visual and auditory screening in accordance with the City's Oil and Gas Code (Municipal Code, Title 16). These existing barriers, especially the cinder block walls (ranging from 5- to 8-feet in height around the majority of CUP Sites) and tall concrete panel fencing (approximately 10- to 12-feet in height along the eastern perimeter of CUP Site #5), have and would continue to attenuate Project equipment noise at certain receptors. See Figure 2 through Figure 7 (Appendix A) and the photos in Appendix F which show the locations of the existing perimeter barriers surrounding the CUP Sites.

While the existing perimeter barriers are expected to partially attenuate Project noise emanating from the CUP Sites at most receptors, conservatively this Noise Impact Analysis assumes only minimal noise reductions at certain receptors due to existing barriers, with the exception of Receptor R17. Receptor R17 collectively represents the small residential neighborhood located immediately east of CUP Site #5, along Temple Avenue/Obispo Avenue. This neighborhood was constructed on SHP-owned land, and SHP worked closely with the developer during planning and design process. As shown on Figure 6 and the photos in Appendix F, SHP installed a tall (approximately 10- to 12-feet high), thick concrete panel barrier along the entire eastern boundary of CUP Site #5 that abuts the residences. This existing barrier was constructed with the expressed purpose of ensuring noise resulting from SHP's existing oil and gas operations at CUP Site #5 would not disturb nearby residences, and would be in compliance with applicable City standards. Due to the thickness of this existing barrier, and because it would continue to break line-of-sight between onsite noise sources and the adjacent receptors, an additional -9 decibel (dBA) reduction in Project noise levels is assumed at the residences (i.e., Receptor R17) located immediately east of CUP Site #5. This estimated reduction is consistent with both Caltrans and FHWA guidance, based on the dimensions and constructed material of the barrier. Please see Appendix D for additional detail.

In addition to CUP Site #5, other minimal noise reductions were assumed at receptors within the vicinity of CUP Sites #1, #2, #6 and #7. Specifically, due to the existing perimeter cinder block walls which surround these CUP Sites, and partially block line-of-sight between onsite noise sources and nearby receptors, a minimal -3 decibel (dBA) reduction was assumed at Receptors R1, R2, R3, R4, R5, R7, R19 and R22 when assessing noise levels due to drilling/redrilling activities. For noise associated with the proposed gas system, and slightly higher -5 decibel (dBA) reduction was assumed at the western property boundary of CUP Site #2 due to the existing block wall, as well as the intervening topography (see Appendix F for applicable photos). These estimated reductions are also consistent with FHWA's guidance, which states that a -3 decibel reduction can be expected when *"if a noise barrier or other obstruction (like a dirt mound) just barely breaks the line-of-sight between the noise source and the receptor"*, or that typically a -5 decibel reduction can be expected *"for receivers whose line-of-sight to the roadway is just blocked by the barrier"*, such as along the western boundary of CUP Site #2 (Federal Highway Administration, 2006).

#### **5.4.2 Proposed Perimeter Walls**

As discussed previously, while SHP would primarily continue drilling/redrilling operations within the existing well cellars at each CUP Site, consistent with past operations, at times a new ancillary well cellar may need to be created. If a new well cellar was constructed within the vicinity of a receptor, specifically in an area without an existing perimeter block wall, SHP would install additional noise controls/perimeter barriers to ensure operational noise would not disturb nearby occupants or conflict with applicable City standards. Specifically, it's assumed that if a new well cellar was installed within 600-feet of an occupied building (consistent Section 16.16.110 of the City's Oil and Gas Code), new perimeter barriers (e.g., concrete block walls, concrete paneling etc.) would be constructed as needed along the CUP Site perimeter facing the receptor of concern. This would be especially true if new well cellars were installed within portions of CUP Sites #5, #6 and #7, as various residential and commercial receptors are found in close proximity to the CUP Site boundaries that lack existing block walls. As with the existing perimeter walls, and new barriers would need to be of sufficient length and height to break line-of-sight between the nearby receptors and the onsite industrial activities. See Section 6.1.1 below as well as Figure 6 and Figure 7 in Appendix A, which display areas where potential future perimeter barriers could be installed.

#### **5.4.3 Existing Onsite Buildings**

As discussed above, the natural gas modifications would be installed at-grade, within the northwestern portion of CUP Site #2, adjacent to the existing natural gas/vapor recovery systems and two-story field office/power turbine building. The existing power turbine building is relatively large, 3-story building (approximately 50-feet in height), and would therefore completely block line-of-sight between the proposed gas plant equipment (i.e., LTS and membrane) and offsite receptors located to the north of CUP Site #2 (i.e., Receptor R7). Because this existing large power plant structure would break line-of-sight between the proposed gas plant modifications and areas located north of CUP Site #2, an additional -5 decibel (dBA) reduction is assumed at the industrial receptor (i.e., Receptor R7) located north of CUP Site #2/E. Spring Street. This estimated reduction is consistent with FHWA guidance, which generally notes a -5 decibel reduction is the minimum noise attenuation expected when line-of-sight between source and receiver is blocked (FHWA, 2000). Please see Figure 3 (Appendix A) for the location of the power plant building, and the Appendix F for photos of the existing structures.

While other CUP Site's also contain existing large above-ground structures and tanks that would be expected to block onsite Project noise sources and offsite receptors, because drilling/redrilling activities could potentially occur anywhere within the CUP boundaries (i.e., where structures may not break line-of-sight), conservatively no other insertion loss reductions are assumed.

#### **5.5 Vibration Reference Levels**

The FTA's *Transit Noise and Vibration Impact Assessment* (FTA, 2018) document provides guidelines for assessing vibration impacts resulting from construction activities. Table 16 below lists reference vibration source levels for common types of equipment, in terms of peak particle velocity (PPV) in units of inches per second (in/sec) at a reference distance of 25-feet.

**Table 16      Vibration Source Level for Equipment**

<b>Equipment</b>	<b>PPV (in/sec) @ 25-feet away</b>
Vibratory Roller	0.210
Large bulldozer	0.089
Caisson drilling	0.089
Loaded trucks	0.076
Jackhammer	0.035
Small bulldozer	0.003
Vibratory Roller	0.210

Sources: *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020)  
*Transit Noise and Vibration Impact Assessment Manual* (Federal Transit Administration, 2018)

As discussed in Section 6.1.2 below, to assess Project vibration impacts at each receptor location, the reference PPV value of 0.089 inches per second (i.e., caisson drilling and/or large bulldozer) at a reference distance of 25-feet is utilized, as it is assumed that nothing larger or more powerful than a drill rig and/or large bulldozer would operate at a given CUP Site in close proximity to nearby receptors. Refer to the source vibration calculations in Appendix E for additional detail.

**5.6      Project Design Features that Reduce Noise**

Consistent with City of Signal Hill policies and recommendations specific to noise and vibration (see Sections 3.1.6 and 3.1.7), as well as SHP’s standard operating protocols and procedures implemented at all facilities (including those under CUP 97-03), the following elements of the Project have been designed to minimize noise and vibration effects on surrounding land uses. Also see the discussions above, as well as Appendices D and E for more details.

1. Only one SHP-owned drill rig would operate at a time within a given CUP Site (i.e., Drill Rigs #5 and #6 would not operate simultaneously at the same CUP Site).
2. In accordance with Section 16.16.110 of the City’s Oil and Gas Code (Title 16 of the Municipal Code), SHP will be employed the following soundproofing techniques when conducting drilling/redrilling within 600-feet of an occupied building (applies to all CUP Sites). Note that sound barrier will be installed in the location facing the nearest receptor of concern:
  - a. Install sound blankets covering for the first twelve feet above the working platform. Blankets should be installed in the location facing the nearest receptor of concern;
  - b. Install sound blanket covering of all housing, including but not limited to, engines, pumps, and generators;
  - c. Install additional blanket covering, including the top of rig, crown block, or at ground level as needed, or when deemed necessary by SHP’s onsite staff or the City’s inspectors.
3. The number of onsite employees and associated employee vehicles would not permanently increase above existing levels. Therefore, transportation noise and vibration impacts are not assessed within this Noise Impact Analysis.

4. SHP would continue to adhere to the following existing Conditions of Approval (COAs) under CUP 97-03 related to noise:

**COA 12.** *The following conditions have been added to mitigate the level of noise from operation of the Consolidated Drilling and Production sites.*

- a) *The operator shall only deliver to or remove equipment and materials from any of the Consolidated Drilling and Oil Production Sites between the hours of 7:00 a.m. and 7:00 p.m. except emergencies.*
- b) *The operator shall use electric motors to power equipment. Vehicle motors, including portable service or drilling rigs, may use internal combustion engines.*
- c) *The Director of Community Development may approve internal combustion engines for gas processing equipment if noise levels as measured at the Drill Site boundaries can be maintained within the noise levels allowed by the Signal Hill Municipal Code Chapter 9.16.*
- d) *The operator shall provide noise controls as required by Signal Hill Municipal Code Sections 16.16.110, entitled, "Soundproofing," et seq. and Section 16.20.100.*

## 6.0 PROJECT-LEVEL IMPACTS & MITIGATION MEASURES

### 6.1 Impact Assessment

#### 6.1.1 Generation of Noise Levels in Excess of Applicable Standards

##### Impact Statement

**Impact NOISE-1:** *Would the Project result in the generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? (CEQA Guidelines Appendix G, Noise Threshold Criteria (a))*

##### Impact Analysis

To address the CEQA Guidelines Appendix G, Noise Threshold Criteria (a), the applicable City of Signal Hill *General Plan* and *Municipal Code* standards are utilized. Additionally, for those noise receptors located within the City of Long Beach (i.e., Receptors R1, R7, R19 and R20), applicable Long Beach standards are also utilized. Lastly, a +3 decibel (dBA) or greater increase in noise levels at nearby receptors due to onsite Project noise sources would also be considered a potentially significant impact.

Estimated noise levels resulting from ongoing drilling and redrilling operations at all seven CUP Sites, as well as noise levels resulting from the construction and operation of the proposed backup and efficiency equipment at CUP Site #2, are presented below. The predicted noise level change experienced at each receptor/property line as result of the Project is quantified and compared to the applicable thresholds to determine the potential significance of Project impacts. Where Project noise levels exceed applicable thresholds, feasible mitigation measures are proposed. Also see the methodology discussion in Section 5.0 above, and the calculations in Appendix D for additional background.

##### **Natural Gas System Modification – Construction Noise Levels**

As discussed in Sections 2.3.1 and 5.1, construction of the proposed natural gas system modifications at CUP Site #2 would require the operation of mobile equipment (e.g., backhoe, crane, etc.) and other smaller tools (e.g., concrete saw, welder/torch, drum mixer, etc.) to prepare the surface foundations, install/anchor the new equipment (e.g., compressor, LTS unit, CO2 unit, burner, etc.), and conduct ancillary construction activities as needed. Consistent with Section 9.16.050 of the Signal Hill Municipal Code, construction activities would occur during daytime hours (i.e., 7:00 a.m. and 6:00 p.m.) only. Note, this construction schedule is also consistent with the Long Beach construction noise ordinance (see Section 8.80.202 of the Long Beach Municipal Code). As such, nighttime (10:00 p.m. – 7:00 a.m.) noise standards were not applied.

Table 17 below shows the estimated daytime (7:00 a.m. – 10:00 p.m.) average ( $L_{eq}$ ), as well as the 24-hour Community Noise Equivalent Level (CNEL) noise levels experienced at nearby receptors as a result of construction equipment operating at CUP Site #2. Note that only receptors within the vicinity of CUP Site #2 are considered below (i.e., Receptors R5, R6 and R7). To determined worst-case noise impacts, it was assumed that the construction equipment summarized in Table 13 would operate simultaneously at-grade in the onsite location closest to each affected receptor (see Figure 3, Appendix A). Note that minimal shielding and noise attenuation due to distance and intervening structures/topography structures (e.g.,

field office, power turbine infrastructure, block walls, etc.) was accounted for in the impact calculations (see Section 5.4 for additional detail). See the calculations in Appendix D which presents additional details (e.g., distance from equipment sources to receptor, receptor/equipment heights, noise transmission paths, etc.).

As shown in Table 17 below, the estimated Project noise levels resulting from the construction of the natural gas system modifications would not exceed the applicable City of Signal Hill or City of Long Beach noise standard at any receptors located within the vicinity of CUP Site #2. Noise level increases experienced at nearby receptors due to onsite construction ranged from +0.5 dBA to +1.7 dBA above existing ambient levels, which is below the applicable +3 decibel threshold. Therefore, construction noise impacts are considered less than significant, with no noise controls or mitigations required.

### **Natural Gas System Modification – Operational Noise Levels**

Following construction of the natural gas processing system at CUP Site #2, the equipment would be placed into full and continuous operation. As summarized in Table 14, components of the proposed gas system modification that would generate operational noise were generally assumed to include compressors, generators, pumps, and ventilation fans. As with SHP's existing natural gas plant at CUP Site #2, the new units would operate continuously, 24-hours per day, within the northwestern portion of CUP Site #2, adjacent to the existing natural gas/vapor recovery systems (see Figure 3, Appendix A).

Table 17 below shows the estimated daytime (7:00 a.m. – 10:00 p.m.) and nighttime (10:00 p.m. – 7:00 a.m.) average ( $L_{eq}$ ) noise levels experienced at nearby receptors as a result of the modified gas system equipment operating at CUP Site #2. Note that only receptors within the vicinity of CUP Site #2 are considered below (i.e., Receptors R5, R6 and R7). Additionally, appropriate noise attenuation due to existing perimeter block walls and the 3-story power plant building was also incorporated at Receptors R5 and R7. Source noise calculations in Appendix D provide additional detail.

As shown in Table 17 below, the estimated Project noise levels resulting from the 24-hour operations of the natural gas system modifications would not exceed the applicable noise standard at nearby receptors. Equipment noise level increases at nearby receptors ranged from a +0.5 dBA to +1.0 dBA, well below the applicable +3 decibel threshold. Note that because none of the receptors located within the vicinity of CUP Site #2 are noise-sensitive land uses (i.e., residences), the Signal Hill's General Plan CNEL standard is not applicable.

While operational noise levels experienced at nearby sensitive receptors would be less than significant, as discussed in Section 4.1 above, the City of Signal Hill and SHP's existing CUP 97-03 also require that noise generated by the gas processing plant not exceed 70 decibels when evaluated at the CUP Site #2 property boundaries as well. As shown in Table 18, the Project noise levels resulting from the 24-hour operations of the natural gas system modifications is estimated to exceed 70 decibels at the closest western property boundary by approximately +1.0 decibels. While a +1.0 decibel change in noise is generally below the threshold of human perception (see Table 6), nonetheless applicable mitigation measures are recommended below to ensure Project's operational gas system noise are less than significant.

**Table 17 Gas System Modifications – Predicted Noise Levels @ Receptors**

Project Activity / Noise Source	Receptor	Receptor Type	Baseline <sup>B</sup>	Equipment Source	Total Project	Increase due to Project <sup>C</sup>	Potentially Significant?
Gas System Construction (temporary) <sup>A</sup>	<b>Daytime (7:00 a.m. - 10:00 p.m.) – Exterior L<sub>eq</sub> Noise Levels (dBA)</b>						
	R5	Commercial	66.7	63.4	68.4	+1.7	No
	R6	Commercial	66.7	62.0	68.0	+1.3	No
	R7	Industrial	66.7	60.2	67.6	+0.9	No
	<b>Nighttime (10:00 p.m. - 7:00 a.m.) – Exterior L<sub>eq</sub> Noise Levels (dBA)</b>						
	R5	Commercial	66.3	---	66.3	0.0	No
	R6	Commercial	66.3	---	66.3	0.0	No
Gas System Operations (permanent)	<b>Daytime (7:00 a.m. - 10:00 p.m.) – Exterior L<sub>eq</sub> Noise Levels (dBA)</b>						
	R5	Commercial	66.7	60.5	67.6	+0.9	No
	R6	Commercial	66.7	59.0	67.4	+0.7	No
	R7	Industrial	66.7	57.2	67.2	+0.5	No
	<b>Nighttime (10:00 p.m. - 7:00 a.m.) – Exterior L<sub>eq</sub> Noise Levels (dBA)</b>						
	R5	Commercial	66.3	60.5	67.3	+1.0	No
	R6	Commercial	66.3	59.0	67.0	+0.7	No
R7	Industrial	66.3	57.2	66.8	+0.5	No	

Note: See calculations within Appendix D for additional details.

A – Note that construction activities would occur during daytime hours only (7:00 a.m. and 6:00 p.m.). Therefore, there would be no nighttime activities and/or noise levels.

B – Baseline noise levels represent the actual measured noise levels within the vicinity of CUP Site #2 (see Table 10).

C – As discussed in Section 4.0 above, a potentially significant impact would result of the Project were to generate noise that exceeds the existing measured ambient noise levels by +3 decibels or more.

**Table 18 Gas System Modifications – Predicted Noise Levels @ Property Boundaries**

Project Activity / Noise Source	Property Boundary	Distance – Source to Property Boundary	Equipment Noise Level @ Property Boundary (dBA)	Applicable Threshold (dBA)	Level of Exceedance (dBA)	Potentially Significant?
Gas System Operations (permanent)	North	165-feet	64.1	70	0.0	No
	South	375-feet	62.0	70	0.0	No
	East	425-feet	63.9	70	0.0	No
	West	105-feet	71.0	70	<b>+1.0</b>	<b>Yes</b>

Note: See calculations within Appendix D for additional details. Values shown in **bold** represent a potentially significant impact.

### **Drilling/Redrilling Noise Levels**

As discussed in Sections 2.2.1 and 5.3, consistent with existing operations under CUP 97-03, SHP will continue to drill new and redrill existing production and injection wells on an intermittent, as-needed basis, at the CUP Sites. The activity levels associated with drilling/redrilling, as well as the equipment and processes utilized, would not change, and SHP will continue these operations in the same manner as they have historically; nonetheless, the potential noise effects as a result of ongoing drilling/redrilling activity at Project receptors was conservatively evaluated here.

SHP would continue to redrill existing wells and drill new oil production and water injection wells at all seven of the CUP Sites on an as needed basis. As discussed previously, while the majority of drilling/redrilling would continue to occur within the existing well cellars, there is a potential that SHP could construct new well cellars in other onsite locations within the existing CUP boundaries, where future drilling/redrilling could also occur. Therefore, conservatively it was assumed that drilling/redrilling could occur in the onsite locations closest to each affected receptor (see Figure 2 through Figure 7 in Appendix A). The estimated Project noise levels presented in Table 19 below also take into account noise attenuation provided by acoustical blanket sound proofing required to be installed around the operating drill rig, as well as the existing block walls/barriers surrounding the CUP Sites (see Section 5.4). Lastly, drilling of new wells and redrilling of existing wells would involve identical equipment, and would require the drill rig to operate onsite continuously for potentially up to 24-hours in a given day. See the calculations in Appendix D for additional detail regarding the assumptions used in the noise impact calculations.

Based upon these operating parameters and assumptions, Table 19 below shows the estimated Project noise levels at affected receptors resulting from drilling/redrilling operations at each of the CUP Sites. As shown, estimated worst-case, unmitigated noise levels would potentially exceed certain City of Signal Hill and City of Long Beach noise standards if a new onsite well were drilled and/or existing wells were redrilled within close proximity to Receptors R16, R19, R21 and R22. Specifically, if future drilling/redrilling occurs in the northern portion of CUP Site #5, adjacent to Combellack Drive (see Figure 6, Appendix A), estimated noise levels at Receptor R16 would potentially exceed the applicable CNEL and average ( $L_{eq}$ ) noise standards. Additionally, if drilling/redrilling occurs within the western/northern portions of CUP Site #6 or in the eastern portion of CUP Site #7 (see Figure 7, Appendix A), applicable Signal Hill/Long Beach 24-hour CNEL, and nighttime average ( $L_{eq}$ ) noise levels would be potentially significant at Receptors R19, R21 and R22. Therefore, unmitigated drilling/redrilling noise impacts are considered potentially significant. Please see the recommended mitigation measures presented below.

Note that although estimated drilling/redrilling noise levels at Receptor R14 were found to be slightly elevated (i.e., estimated to generated noise levels approximately +3.8 decibels above the existing measured ambient noise levels), R14 represents that backside of a commercial receptor. As such, store employees would only occupy this area intermittently and temporarily, and Project noise would not be audible to shoppers inside the structure (i.e., The Home Depot). Furthermore, it's presumed the store would be closed/unoccupied for the majority of the nighttime hours. For these reasons, even though estimate nighttime noise levels slightly exceed the +3 threshold at Receptor R14, noise levels resulting from drilling/redrilling within CUP Site #4 are considered less than significant, with no additional mitigation measures required.

**Table 19 Redrilling/Drilling – Predicted Project Noise Level @ Receptors**

CUP Site	Receptor	Receptor Type	Baseline <sup>A</sup>	Equipment Source	Total Project	Increase Due to Project	Potentially Significant? <sup>B</sup>
<b>CNEL – Exterior Noise Levels (dBA)</b>							
CUP Site #1	R1	Residence	73.7	47.2	73.7	0.0	No
	R2	Commercial	73.7	61.7	74.0	+0.3	No
	R3	Commercial	73.7	63.0	74.1	+0.4	No
	R4	Commercial	73.7	61.7	74.0	+0.3	No
CUP Site #2	R5	Commercial	73.0	54.8	73.1	+0.1	No
	R6	Commercial	73.0	58.1	73.1	+0.1	No
	R7	Industrial	73.0	55.1	73.1	+0.1	No
CUP Site #3	R8	Residence	63.7	52.9	64.1	+0.3	No
	R9	Commercial	63.7	49.7	63.9	+0.2	No
	R10	Commercial	63.7	55.9	64.4	+0.7	No
	R11	Commercial	63.7	60.3	65.4	+1.6	No
CUP Site #4	R12	Industrial	63.7	63.2	66.5	+2.7	No
	R13	Residence	69.5	55.0	69.6	+0.2	No
	R14	Commercial	69.5	67.6	71.6	+2.2	No
CUP Site #5	R15	Commercial	69.5	65.0	70.8	+1.3	No
	R16	Residence	62.3	65.2	67.0	<b>+4.7</b>	<b>Yes</b>
	R17	Residence	62.3	58.9	63.9	+1.6	No
CUP Site #6	R18	Residence	62.3	55.4	63.1	+0.8	No
	R19	Residence	61.7	65.4	66.9	<b>+5.2</b>	<b>Yes</b>
	R20	Residence	61.7	55.7	62.7	+1.0	No
CUP Site #7	R21	Commercial	61.7	67.2	68.3	<b>+6.6</b>	<b>Yes</b>
	R22	Commercial	63.5	64.4	67.0	<b>+3.5</b>	<b>Yes</b>
<b>Daytime (7:00 a.m. – 10:00 p.m.) – Exterior L<sub>eq</sub> Noise Levels (dBA)</b>							
CUP Site #1	R1	Residence	74.4	40.5	74.4	0.0	No
	R2	Commercial	74.4	55.1	74.4	+0.1	No
	R3	Commercial	74.4	56.4	74.4	+0.1	No
	R4	Commercial	74.4	55.1	74.4	+0.1	No
CUP Site #2	R5	Commercial	66.7	48.1	66.8	+0.1	No
	R6	Commercial	66.7	51.5	66.9	+0.1	No
	R7	Industrial	66.7	48.5	66.8	+0.1	No
CUP Site #3	R8	Residence	58.5	46.2	58.7	+0.2	No
	R9	Commercial	58.5	43.1	58.6	+0.1	No
	R10	Commercial	58.5	49.3	59.0	+0.5	No
	R11	Commercial	58.5	53.6	59.7	+1.2	No
CUP Site #4	R12	Industrial	58.5	56.5	60.6	+2.1	No
	R13	Residence	69.3	48.4	69.3	0.0	No
	R14	Commercial	69.3	60.9	69.9	+0.6	No
CUP Site #5	R15	Commercial	69.3	58.3	69.6	+0.3	No
	R16	Residence	57.8	58.6	61.2	<b>+3.4</b>	<b>Yes</b>
	R17	Residence	57.8	52.2	58.9	+1.1	No
CUP Site #6	R18	Residence	57.8	48.8	58.4	+0.5	No
	R19	Residence	59.8	58.7	62.3	+2.5	No
	R20	Residence	59.8	49.0	60.2	+0.3	No
CUP Site #7	R21	Commercial	59.8	60.6	63.2	<b>+3.4</b>	<b>Yes</b>
	R22	Commercial	57.8	57.8	60.8	<b>+3.0</b>	<b>Yes</b>

CUP Site	Receptor	Receptor Type	Baseline <sup>A</sup>	Equipment Source	Total Project	Increase Due to Project	Potentially Significant? <sup>B</sup>
<b>Nighttime (10:00 p.m. – 7:00 a.m.) – Exterior L<sub>eq</sub> Noise Levels (dBA)</b>							
CUP Site #1	R1	Residence	61.9	40.5	62.0	0.0	No
	R2	Commercial	61.9	55.1	62.7	+0.8	No
	R3	Commercial	61.9	56.4	63.0	+1.1	No
	R4	Commercial	61.9	55.1	62.7	+0.8	No
CUP Site #2	R5	Commercial	66.3	48.1	66.4	+0.1	No
	R6	Commercial	66.3	51.5	66.4	+0.1	No
	R7	Industrial	66.3	48.5	66.4	+0.1	No
CUP Site #3	R8	Residence	56.8	46.2	57.1	+0.4	No
	R9	Commercial	56.8	43.1	56.9	+0.2	No
	R10	Commercial	56.8	49.3	57.5	+0.7	No
	R11	Commercial	56.8	53.6	58.5	+1.7	No
	R12	Industrial	56.8	56.5	59.6	+2.9	No
CUP Site #4	R13	Residence	59.5	48.4	59.8	+0.3	No
	R14	Commercial	59.5	60.9	63.3	+3.8	No
	R15	Commercial	59.5	58.3	62.0	+2.5	No
CUP Site #5	R16	Residence	55.1	58.6	60.2	<b>+5.1</b>	<b>Yes</b>
	R17	Residence	55.1	52.2	56.9	+1.8	No
	R18	Residence	55.1	48.8	56.0	+0.9	No
CUP Site #6	R19	Residence	52.5	58.7	59.6	<b>+7.2</b>	<b>Yes</b>
	R20	Residence	52.5	49.0	54.1	+1.6	No
	R21	Commercial	52.5	60.6	61.2	<b>+8.7</b>	<b>Yes</b>
CUP Site #7	R22	Commercial	56.8	57.8	60.3	<b>+3.5</b>	<b>Yes</b>
<b>24-Hour – Exterior L<sub>eq</sub> Noise Levels (dBA)</b>							
CUP Site #1	R1	Residence	72.4	40.5	72.4	0.0	No
	R2	Commercial	72.4	55.1	72.5	+0.1	No
	R3	Commercial	72.4	56.4	72.5	+0.1	No
	R4	Commercial	72.4	55.1	72.5	+0.1	No
CUP Site #2	R5	Commercial	66.5	48.1	66.6	+0.1	No
	R6	Commercial	66.5	51.5	66.7	+0.1	No
	R7	Industrial	66.5	48.5	66.6	+0.1	No
CUP Site #3	R8	Residence	57.9	46.2	58.2	+0.3	No
	R9	Commercial	57.9	43.1	58.0	+0.1	No
	R10	Commercial	57.9	49.3	58.5	+0.6	No
	R11	Commercial	57.9	53.6	59.3	+1.4	No
	R12	Industrial	57.9	56.5	60.3	+2.4	No
CUP Site #4	R13	Residence	67.5	48.4	67.6	+0.1	No
	R14	Commercial	67.5	60.9	68.4	+0.9	No
	R15	Commercial	67.5	58.3	68.0	+0.5	No
CUP Site #5	R16	Residence	57.0	58.6	60.9	<b>+3.8</b>	<b>Yes</b>
	R17	Residence	57.0	52.2	58.3	+1.2	No
	R18	Residence	57.0	48.8	57.6	+0.6	No
CUP Site #6	R19	Residence	58.2	58.7	61.5	<b>+3.3</b>	<b>Yes</b>
	R20	Residence	58.2	49.0	58.7	+0.5	No
	R21	Commercial	58.2	60.6	62.5	<b>+4.3</b>	<b>Yes</b>
CUP Site #7	R22	Commercial	57.5	57.8	60.6	<b>+3.1</b>	<b>Yes</b>

Note: See calculations within Appendix D for additional details. Values shown in **bold** represent a potentially significant impact.

A – Baseline noise levels represent the actual measured noise levels within the vicinity of each CUP Site/receptor (see Table 10).

B – As discussed in Section 4.0 above, a potentially significant impact would result of the Project were to generate noise that exceeds the existing measured ambient noise levels by +3 decibels or more.

### Level of Significance Before Mitigation

As shown in Table 19, noise resulting from the drilling of new wells and redrilling of existing wells would be potentially significant at CUP Sites #5, #6 and #7, specifically within the vicinity of Receptors R16, R19, R21 and R22. Additionally, as shown in Table 18, noise generated by the modified gas processing operations would also be potentially significant at the western property boundary of CUP Site #2. Refer to the mitigation measures below.

### Mitigation Measures

As shown in Table 18, Project noise levels resulting from the 24-hour operations of the natural gas system modifications is estimated to exceed the applicable 70 decibel threshold at the closest western property boundary by approximately +1.0 decibels. Although a +1.0 decibel change is generally below the threshold of human perception, nonetheless the following mitigation measures shall be implemented to ensure that operational noise resulting from the proposed gas system modifications are sufficiently controlled along the western boundary of CUP Site #2:

***Mitigation Measure NOISE-1:*** *Following installation of the gas system modification system at CUP Site #2, equipment noise levels shall be verified through onsite noise measurements along the western CUP Site property boundary. In the event that actual measured noise levels exceed 70 decibels when measured at this location, or exceed the ambient noise levels measured in April 2022 (see Table 10 above) by more than 3 decibels, additional noise control measures shall be implemented until the measured noise levels no longer exceed the applicable standards.*

As shown in Table 19, noise levels due to drilling of new wells and redrilling of existing wells within certain portions of CUP Sites #5, #6, and #7 are estimated to generate potentially significant noise levels at Receptors R16, R19, R21 and R22. Specifically, noise levels resulting from drilling/redrilling activities are estimated to exceed the applicable “+3 decibel above the ambient” threshold by approximately +0.5 decibels (at Receptor R22) up to +5.7 decibels (at Receptor R21). These potential exceedances are primarily due to drilling/redrilling noise generated during nighttime hours (i.e., 10:00 p.m. – 7:00 a.m.) when the strictest noise limits would apply, and the fact that residences would have a potentially unobstructed view of potential new drilling areas within the northern portions of CUP Site #5 and #6 (see Figure 6 and Figure 7 in Appendix A).

In general, operators can control equipment noise levels using the following mechanisms: (1) prohibit onsite operations during hours when nearby receptors would be most sensitive to noise (i.e., nighttime); (2) ensure enough distance between noise sources and receptors to provide sufficient distance attenuation; or, (3) install new barriers between source and receptor to provide insertional loss attenuation. Therefore, if a new well is drilled within a certain distance of an occupied building within the vicinity of CUP Sites #5, #6 or #7, additional measures should be implemented to ensure industrial operations do not disturb nearby receptors. This concept is also consistent with Section 16.16.110 (Soundproofing) of the City’s Municipal Code, which states that “drilling or redrilling operations...located within six hundred feet of an occupied building...shall be enclosed with soundproofing sufficient to ensure that expected noise levels do not exceed the noise limits contained in Chapter 9.16” (City of Signal Hill, 2021) of the Municipal Code. Therefore, in addition to the minimum soundproofing requirements required under Section 16.16.110 of the City of Signal Hill Municipal Code (also see Section 5.6 above),

the following mitigation measures are proposed to ensure that drilling noise is sufficient controlled at CUP Site's #5, #6 and #7:

**Mitigation Measure NOISE-2:** *To ensure that drilling/redrilling noise levels do not exceed the applicable standards published by the City of Signal Hill or the City of Long Beach, SHP should implement one of the following control measures:*

- *Prohibit drilling of new wells and redrilling of existing wells within the following setback areas at CUP Sites #5, #6 and #7 (see Figure 6 and Figure 7 in Appendix A, which shows the approximate setback areas):*
  - *210-feet of the residences (i.e., Receptor 16) located north of CUP Site #5 across Combellack Drive.*
  - *270-feet of the residential neighborhoods (i.e., Receptors R20 and R21) located north of CUP Site #6, across 20<sup>th</sup> Street.*
  - *150-feet of the commercial building (i.e., Receptor R22) located immediately east of CUP Site #7.*
- *If onsite drilling/redrilling operations occur within the setback areas at CUP Sites #5, #6 and #7 noted above, SHP shall implement one of the following additional measures:*
  - *Curtail drill rig operations during the evening and nighttime hours (i.e., 7:00 p.m. – 7:00 a.m.).*
  - *Install additional temporary sound barriers (e.g., curtains, shoots, etc.) affixed to the noisiest components of the drill rig, when occurring within the setback areas noted above. Temporary barriers should have a minimum Sound Transmission Class (STC) rating of 25 (STC-25), and should be of sufficient length/height to block line-of-sight between the equipment source (e.g., engines, generators, etc.) and the affected receptor. If needed, temporary barriers may be installed in multiple layers to ensure noise is sufficiently attenuated.*
  - *Construct new permanent barriers (e.g., concrete block walls, concrete paneling, etc.) along the CUP Site perimeters adjacent to the affected receptor(s). Perimeter walls should be installed prior to commencing evening and nighttime drilling/redrilling operations, and should be constructed of sufficient length/height to block line-of-sight between the drill rig and the receptor.*

**Mitigation Measure NOISE-3:** *Following implementation of Mitigation Measure NOISE-2 during drilling/redrilling operations at CUP Sites #5, #6 and #7, the effectiveness of the control measures shall be verified through onsite noise measurements upon commencement of drill rig operations. In the event that actual measured noise levels exceed the applicable numeric standards and/or conflict with the assumptions contained within this analysis, additional noise control measures shall be implemented until the measured noise levels no longer exceed the applicable standards published by the City of Signal Hill or the City of Long Beach.*

Referring to the noise propagation calculations presented in Appendix D, by ensuring that new well drilling and existing well redrilling at CUP Sites #5, #6 and #7 occurs a minimum distance from nearby residential and commercial receptors, noise levels would be sufficiently attenuate as they are reduced by -3 decibels with each added doubling of distance between the noise source and receivers of concern. Therefore, so long as SHP does not conduct drilling/redrilling within 210-feet of the apartment complex(s) located north of CUP Site #5 across Combella Drive, within 270-feet of the residential neighborhoods located north of CUP Site #6 across 20<sup>th</sup> Street, or within 150-feet of the commercial building located immediately east of CUP Site #7, Project noise resulting from drilling/redrilling operations would be acceptable at all affected receptors. See Figure 6 and Figure 7 in Appendix A which displays these approximate onsite setback areas. However, if drilling/redrilling is conducted within these designated areas, then Mitigation Measure NOISE-2 (or some combination of the measures found therein) shall be implemented.

Noise could also be sufficiently controlled by confining the hours of drill rig operations to daytime hours only, specifically between 7:00 a.m. and 7:00 p.m., when applicable noise standards are least restrictive. While the daytime (7:00 a.m. – 7:00 p.m.) noise levels would not change as a result of this control measure, noise impacts during the evening and nighttime would be completely eliminated, and the 24-hour average and CNEL noise impacts would be sufficiently reduced. As such, if drilling/redrilling were restricted to daytime hours only, there would be less than significant impacts at all receptors.

Lastly, as discussed in Section 5.3.1 and 5.4.2 above, temporary acoustical blankets have been estimated to provide approximately -9 decibels of attenuation (further reductions can be realized if blankets are installed in multiple layers), while perimeter barriers are estimated to provide decibel reductions ranging from -3 to -9 decibels (depending on the length/height of the barrier). Therefore, through the use of additional temporary noise blankets affixed directly to the drill rig, or the construction of permanent new perimeter block walls adjacent to affected receptors (or some combination thereof), drilling/redrilling noise levels would have a less than significant impact at nearby receptors adjacent to CUP Sites #5, #6 and #7. See Figure 6 and Figure 7 in Appendix A, as well as photos in Appendix F, which display the approximate locations of potential new permanent perimeter barriers (e.g., block walls) that could be constructed at CUP Sites #5 and #6, if needed. Specifically, if a new well were drilled or an existing well redrilled in the north portion of CUP Site #5, or the western/northern portion of CUP Site #6, new perimeter barriers shall be installed to ensure Project noise levels at nearby residences and commercial receptors is sufficiently controlled and contained onsite.

## **Conclusion**

It is also important to note this analysis was designed to conservatively overestimate Project noise impacts at nearby receptors. In reality, when taking into account natural shielding and absorption effects from existing intervening topography and vegetation between sources (i.e., onsite equipment) and receptors, as well as the fact that drilling/redrilling activities would most likely continue to occur within the existing well cellars, and not along the boundaries of the CUP Sites in the areas closest to each receptor (as was assumed in this analysis), noise levels are expected to be less than those calculated within this Noise Impact Analysis.

Additionally, the use of the drill rig at any of the CUP Sites throughout the life of the Project would be intermittent, and any noise effects resulting from drilling/redrilling would be temporary in nature. For

example, while drilling of new wells and re-drilling of existing wells would range in duration dependent upon the target depth of the well and specific geologic conditions encountered, on average these activities can generally be completed within a month or less. Once drilling/re-drilling is complete, the drill rig would be moved offsite for storage, and the noise environment of the surrounding area would be returned to the existing/baseline conditions.

Lastly, SHP has and would continue to comply with applicable provisions of the Signal Hill Municipal Code related to noise, including but not limited to responding quickly to neighbor complaints and City inspections, curtailing certain operations during nighttime hours, upgrading equipment exhaust mufflers, as well as conducting subsequently focus noise studies and deploying additional acoustical barriers/sound walls as needed throughout the life of the Project.

### **Level of Significance After Mitigation**

Through continued adherence to the Project design features/existing conditions of approval described in Section 5.6, and implementation of Mitigation Measure NOISE-1, NOISE-2 and NOISE-3, described above, Project impacts to nearby receptors would be less than significant with no additional mitigation measures required.

### **6.1.2 Generation of Excessive Groundborne Vibration**

#### **Impact Statement**

**Impact NOISE-2:** *Would the Project result in generation of excessive groundborne vibration or groundborne noise levels? (CEQA Guidelines Appendix G, Noise Threshold Criteria (b))*

#### **Impact Analysis**

As discussed in Section 5.5 and summarized in Table 16 above, FTA guidance documents provide guidelines and equipment reference levels for assessing vibration impacts resulting from construction activities.

To assess Project vibration impacts at each receptor location, the reference PPV value of 0.089 inches per second (i.e., caisson drilling and/or large bulldozer) was utilized, as it was assumed that nothing larger or more powerful than the drill rig or large bulldozer would operate on the Project site in close proximity to nearby receptors. The distance shown represents the measured distance from the closest boundary of the active operational areas to the nearest receptor. Using this information, Table 20 summarizes the predicted groundborne vibration impacts resulting from Project operations. Significance was determined by comparing the predicted change in groundborne vibration to the applicable Caltrans vibration threshold of 0.035 PPV for human receptors (see Section 4.4 for additional detail).

**Table 20 Predicted Project Vibration Levels at Receptors**

CUP Site	Receptors	Distance (feet)	Predicted Vibration – PPV (in/sec) <sup>A</sup>	Applicable Threshold – PPV (in/sec)	Significant?
CUP Site #1	R1	960	0.002	> 0.035	No
	R2	180	0.010	> 0.035	No
	R3	155	0.012	> 0.035	No
	R4	180	0.010	> 0.035	No
CUP Site #2	R5	400	0.004	> 0.035	No
	R6	385	0.004	> 0.035	No
	R7	385	0.004	> 0.035	No
CUP Site #3	R8	705	0.002	> 0.035	No
	R9	1,010	0.002	> 0.035	No
	R10	495	0.003	> 0.035	No
	R11	300	0.006	> 0.035	No
	R12	215	0.008	> 0.035	No
CUP Site #4	R13	550	0.003	> 0.035	No
	R14	130	0.015	> 0.035	No
	R15	175	0.010	> 0.035	No
CUP Site #5	R16	170	0.011	> 0.035	No
	R17	125	0.015	> 0.035	No
	R18	525	0.003	> 0.035	No
CUP Site #6	R19	167	0.011	> 0.035	No
	R20	360	0.005	> 0.035	No
	R21	135	0.014	> 0.035	No
CUP Site #7	R22	132	0.014	> 0.035	No

Note: See Appendix E for additional detail.

A – The Project vibration levels shown above are considered “barely perceptible” per Caltrans/FTA guidance (Caltrans, 2020).

As shown in Table 20, estimated Project vibration levels experienced at nearby receptors are below the applicable Caltrans significance criteria for human receptors. Note that because the human receptor threshold of 0.035 PPV (in/sec) is more conservative than the building threshold of 0.1 PPV (in/sec), it can also be presumed that the Project’s vibration levels would not have the potential to damage nearby historic buildings or other critical sites. Note that the predicted Project vibration levels generated at nearby human receptors would be considered “barely perceptible” per the applicable Caltrans criteria (see Table 7) for human response (i.e., ≤ 0.035 PPV in/sec). Therefore, groundborne vibration impacts to nearby receptors resulting from Project operations would be less than significant with no mitigation required.

**Level of Significance Before Mitigation**

Less than significant.

**Mitigation Measures**

None required.

### **Level of Significance After Mitigation**

Not applicable.

### **6.1.3 Airport Land Use/Vicinity Analysis**

#### **Impact Statement**

**Impact NOISE-3:** *For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? (CEQA Guidelines Appendix G, Noise Threshold Criteria (c))*

#### **Impact Analysis**

As discussed in Section 3.2.1, the proposed Project site is located within 2.0 miles of a public airport or public use airport. Specifically, the Long Beach Airport is located approximately 1.0 miles away to the northeast of CUP Site #5. While the Project site is located within 2.0 miles of a public airport, per Figure 3 (Long Beach Airport Influence Area) within the City of Signal Hill's *General Plan – Noise Element* (City of Signal Hill, 2009), none of the CUP Sites are located within the "65 dB CNEL Noise Contour" area as designated by the Los Angeles County Airport Land Use Commission (ALUC), nor are any of the CUP Sites located within the Planning Boundary/Airport Influence Area or Runway Protection Zone (Los Angeles County APLC, 2003). Please see Figure 1 in Appendix which displays the location of this airport in relation to the Project site. Furthermore, the Project does not involve creation of a new noise-sensitive land uses (i.e., residences). For these reasons, the Project would have a less than significant impact related to airport/airstrip noise levels, with no mitigation required.

### **Level of Significance Before Mitigation**

Less than significant.

### **Mitigation Measures**

None required.

### **Level of Significance After Mitigation**

Not Applicable.

## 7.0 FINDINGS

This Noise Impact Analysis finds that:

- Noise levels resulting from the construction of the natural gas system modifications at CUP Site #2 would comply with applicable City of Signal Hill and City of Long Beach noise standards.
- Noise levels resulting from the operation of the natural gas system modifications at CUP Site #2 should be verified along the western property boundary of CUP Site #2 to ensure compliance with applicable City of Signal Hill and City of Long Beach noise standards (see Mitigation Measure NOISE-1).
- With the required control measures implemented (see Mitigation Measures NOISE-2 and NOISE-3), mitigated noise levels resulting from 24-hour drilling/redrilling operations would comply with applicable City of Signal Hill and City of Long Beach noise standards at the CUP Sites.
- Project noise impacts are less than significant at nearby receptors, with mitigation incorporated; and
- Project groundborne vibration impacts are less than significant at nearby receptors.

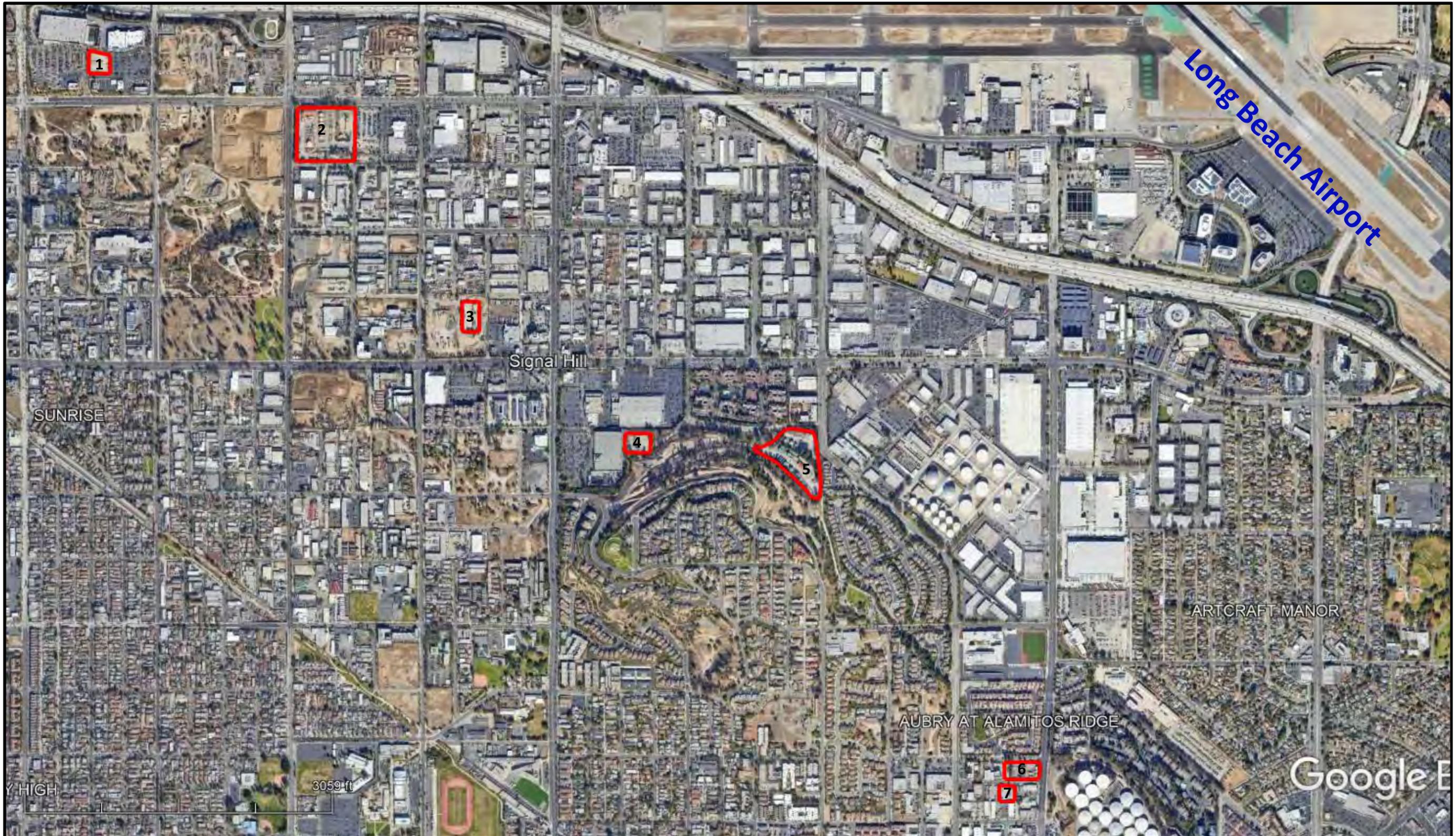
## 8.0 REFERENCE

- Behrens and Associates, Inc. (2006). *Gas Well Drilling Noise Impact and Mitigation Study*. Fort Worth, TX: The Gas Well Drilling Task Force. Retrieved from <https://pstrust.org/docs/GasWellDrillingNoiseImpactandMitigationStudy.pdf>
- Bollard Acoustical Consultants, Inc. (2005). *Environmental Noise Assessment - Sacramento Aggregates Mining Expansion*. Auburn, CA: Bollard Acoustical Consultants.
- Caltrans. (2020). *Transportation and Construction Vibration Guidance Manual*. California Department of Transportation, Noise, Vibration, and Hazardous Waste Management Office. Sacramento, CA: California Department of Transportation. Retrieved from <https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf>
- Caltrans. (2020). *Transportation and Construction Vibration Guidance Manual*. California Department of Transportation. Sacramento, CA: California Department of Transportation. Retrieved from <https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf>
- City of Long Beach. (1975). *City of Long Beach - General Plan*. Long Beach, CA: City of Long Beach. Retrieved from <https://www.longbeach.gov/lbds/planning/advance/general-plan/>
- City of Long Beach. (2022). *City of Long Beach - Municipal Code*. Long Beach, CA: City of Long Beach. Retrieved from [https://library.municode.com/ca/long\\_beach/codes/municipal\\_code](https://library.municode.com/ca/long_beach/codes/municipal_code)
- City of Signal Hill. (2009). *General Plan - Noise Element*. Signal Hill, CA: City of Signal Hill. Retrieved from <https://www.cityofsignalhill.org/DocumentCenter/View/313/Noise-element?bidId=>
- City of Signal Hill. (2021). *City of Signal Hill - Municipal Code*. Signal Hill, CA: City of Signal Hill. Retrieved from <https://codelibrary.amlegal.com/codes/signalhill/latest/overview>
- City of Signal Hill. (2021). *Draft EIR - 2021-2029 Signal Hill Housing Element*. Signal Hill, CA: City of Signal Hill. Retrieved from <https://ca-signalhill2.civicplus.com/DocumentCenter/View/11845/Housing-Element-Draft-Environmental-Impact-Report>
- EPA. (1971). *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*. Washington, D.C.: U.S. Environmental Protection Agency. Retrieved from <https://nepis.epa.gov/Exe/ZyNET.exe/9101NN3I.TXT?ZyActionD=ZyDocument&Client=EPA&Index=Prior+to+1976&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&>
- EPA. (1974). *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*. U.S. Environmental Protection Agency. Washington, D.C. 20460: U.S. EPA. Retrieved 2017
- Federal Highway Administration. (2006). *Roadway Construction Noise Model User's Guide*. Washington, DC: U.S. Department of Transportation.
- Federal Transit Administration. (2006). *Transit Noise and Vibration Impact Assessment*. Washington, DC: U.S. Department of Transportation.
- Federal Transit Administration. (2018). *Transit Noise and Vibration Impact Assessment Manual*. Washington, DC: U.S. Department of Transportation. Retrieved from [https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123\\_0.pdf](https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf)
- FHWA. (2000). *Noise Barrier Design Handbook*. Federal Highway Administration. Washington D.C.: FHWA.
- FICON. (1992). *Federal Agency Review of Selected Airport Noise Analysis Issues*. Washington DC: Federal Interagency Committee on Noise. Retrieved from [https://fican1.files.wordpress.com/2015/08/about\\_ficon\\_findings\\_1992.pdf](https://fican1.files.wordpress.com/2015/08/about_ficon_findings_1992.pdf)

- FTA. (2018). *Transit Noise and Vibration Impact Assessment Assessment Manual*. U.S. Department of Transportation. Washington, DC: Federal Transit Administration. Retrieved from [https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123\\_0.pdf](https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf)
- Los Angeles County APLC. (2003). *Long Beach Municipal Airport - Airport Influence Area*. Los Angeles, CA: Los Angeles County Airport Land Use Commission. Retrieved from [https://planning.lacounty.gov/assets/upl/project/aluc\\_airport-long-beach.pdf](https://planning.lacounty.gov/assets/upl/project/aluc_airport-long-beach.pdf)
- Norton, M., & Karczub, D. (2003). *Fundamentals of Noise and Vibration Analysis for Engineers*. Cambridge, U.K.: Cambridge University Press.
- RFB Consulting. (2015). *Final Subsequent Mitigated Negative Declaration - Gas Plant Modification Project*. Diamond Bar, CA: South Coast Air Quality Management District.
- San Bernardino County. (2009). *County of San Bernardino - 2007 Development Code*. Land Use Services Division. San Bernardino, CA: San Bernardino County. Retrieved from [http://cms.sbcounty.gov/portals/5/planning/development%20code/2007\\_development\\_code\\_08-20-09.pdf](http://cms.sbcounty.gov/portals/5/planning/development%20code/2007_development_code_08-20-09.pdf)
- Sespe. (2000). *Noise Assessment for Robertson Ready Mix*. San Clemente, CA: Sespe Consulting, Inc. / Mestre Greve Associates.

## **APPENDIX A**

### **Figures**



Source: Google Earth™ (2022)

□ CUP 97-03/Property Boundaries (approximate)



**SESPE**  
CONSULTING, INC.  
A Trinity Consultants Company

<b>FIGURE 1</b>	<b>PROJECT OVERVIEW / NOISE SUMMARY</b>		
	Signal Hill Petroleum, Inc. 2633 Cherry Avenue Signal Hill, California 90755		
PROJECT #:	210509.0416	DATE:	5/20/22
SCALE:	See Above	DRAWN BY:	GPS



- - Nearest Residential/Noise-Sensitive Receptors
- - Nearest Commercial Receptors
- - Nearest Industrial Receptors



Source: Google Earth™ (2022)

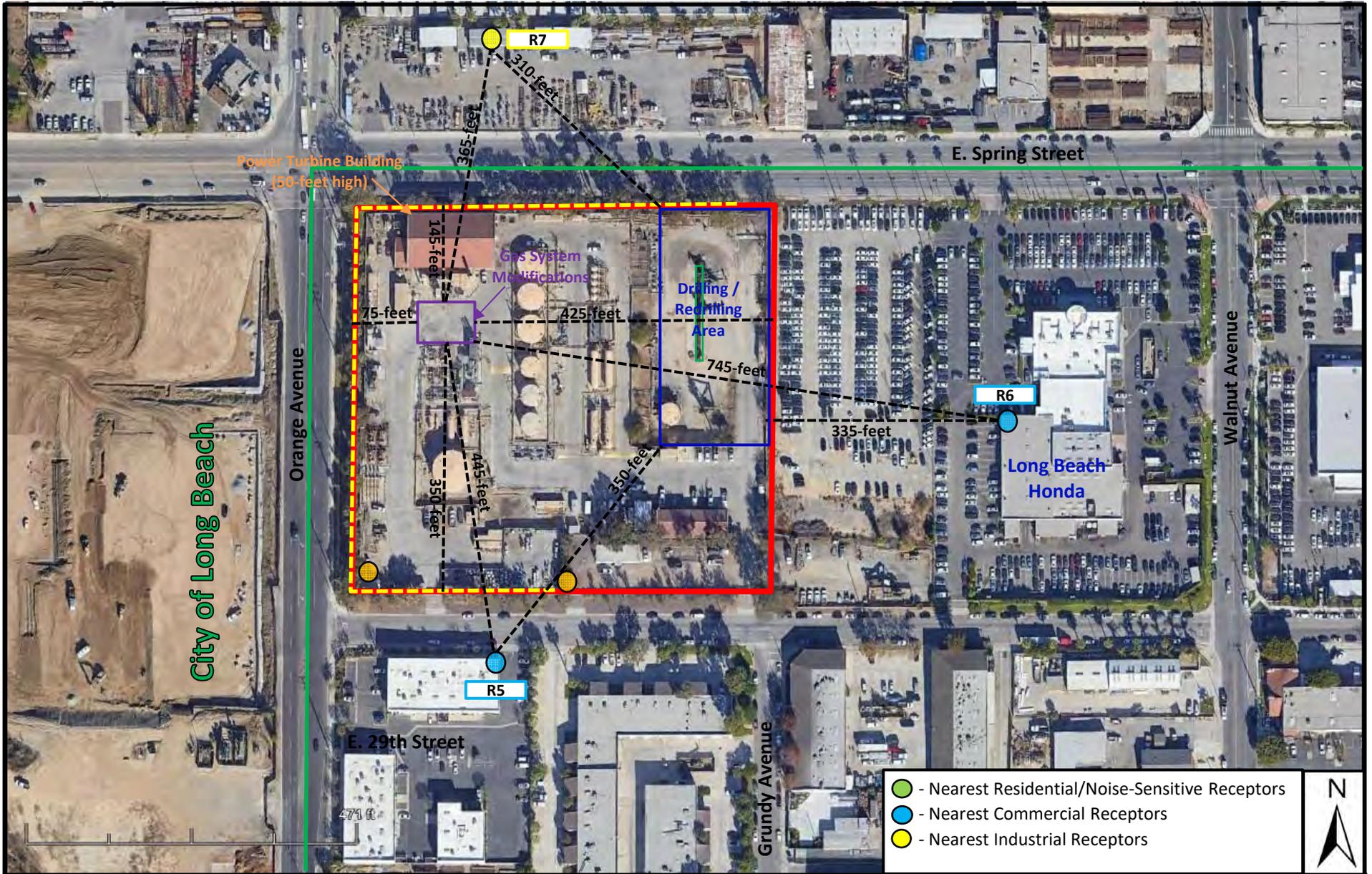
- CUP 97-03/Property Boundaries (approximate)
- Existing Well Cellar
- Existing Cinder Block Wall (approximately 8-feet high)
- 24-Hour Noise Monitoring Location(s)

**SESPE**  
CONSULTING, INC.  
*A Trinity Consultants Company*

**FIGURE**  
**2**

**CUP SITE #1 OVERVIEW**  
Signal Hill Petroleum, Inc.  
2633 Cherry Avenue  
Signal Hill, California 90755

PROJECT #:	210509.0416	DATE:	5/20/22
SCALE:	See Above	DRAWN BY:	GPS



- - Nearest Residential/Noise-Sensitive Receptors
- - Nearest Commercial Receptors
- - Nearest Industrial Receptors



Source: Google Earth™ (2022)

- CUP 97-03/Property Boundaries (approximate)
- Existing Well Cellar
- Existing Cinder Block Wall (approximately 6-feet high)
- 24-Hour Noise Monitoring Location(s)

**SESPE**  
CONSULTING, INC.  
*A Trinity Consultants Company*

<b>FIGURE</b>  <b>3</b>	<b>CUP SITE #2 OVERVIEW</b>		
	Signal Hill Petroleum, Inc. 2633 Cherry Avenue Signal Hill, California 90755		
PROJECT #:	210509.0416	DATE:	9/20/22
SCALE:	See Above	DRAWN BY:	GPS



- - Nearest Residential/Noise-Sensitive Receptors
- - Nearest Commercial Receptors
- - Nearest Industrial Receptors



Source: Google Earth™ (2022)

- CUP 97-03/Property Boundaries (approximate)
- Existing Well Cellar
- Existing Cinder Block Wall (approximately 5- to 6-feet high)
- 24-Hour Noise Monitoring Location(s)



**FIGURE**  
**4**

**CUP SITE #3 OVERVIEW**  
Signal Hill Petroleum, Inc.  
2633 Cherry Avenue  
Signal Hill, California 90755

PROJECT #:	210509.0416	DATE:	5/20/22
SCALE:	See Above	DRAWN BY:	GPS



- - Nearest Residential/Noise-Sensitive Receptors
- - Nearest Commercial Receptors
- - Nearest Industrial Receptors



Source: Google Earth™ (2022)

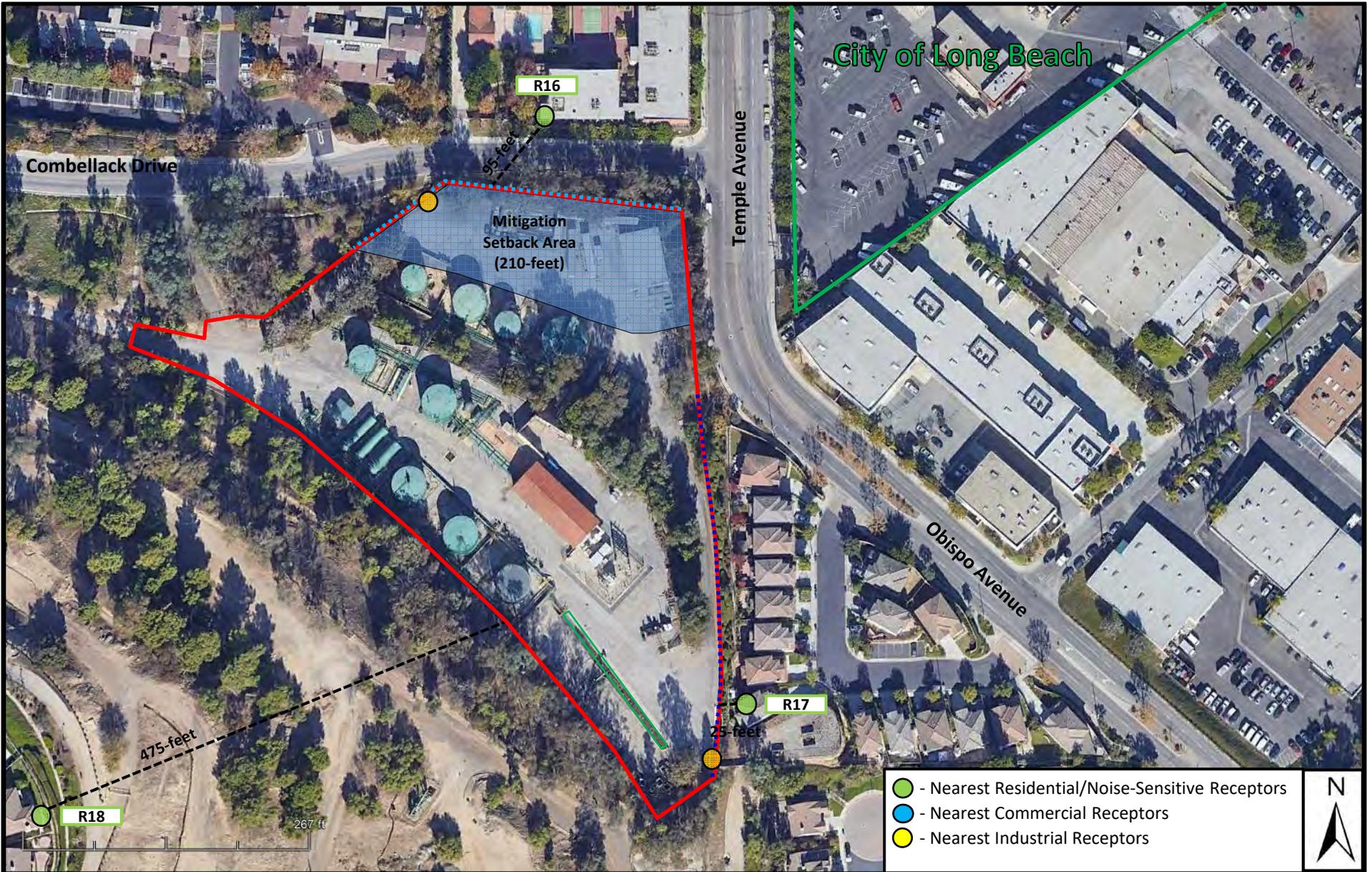
- CUP 97-03/Property Boundaries (approximate)
- Existing Well Cellar(s)
- Existing Cinder Block Wall (approximately 5-feet high)
- 24-Hour Noise Monitoring Location(s)

**SESPE**  
CONSULTING, INC.  
*A Trinity Consultants Company*

**FIGURE**  
**5**

**CUP SITE #4 OVERVIEW**  
Signal Hill Petroleum, Inc.  
2633 Cherry Avenue  
Signal Hill, California 90755

PROJECT #:	210509.0416	DATE:	5/20/22
SCALE:	See Above	DRAWN BY:	GPS



- - Nearest Residential/Noise-Sensitive Receptors
- - Nearest Commercial Receptors
- - Nearest Industrial Receptors



Source: Google Earth™ (2022)

- CUP 97-03/Property Boundaries (approximate)
- Existing Well Cellar
- Existing Concrete Panel Wall (approximately 10- to 12-feet high)
- 24-Hour Noise Monitoring Location(s)
- Potential Perimeter Barrier (Block Wall/Concrete Panels)

**SESPE**  
CONSULTING, INC.  
*A Trinity Consultants Company*

**FIGURE**  
**6**

**CUP SITE #5 OVERVIEW**  
Signal Hill Petroleum, Inc.  
2633 Cherry Avenue  
Signal Hill, California 90755

PROJECT #:	210509.0416	DATE:	5/20/22
SCALE:	See Above	DRAWN BY:	GPS



Source: Google Earth™ (2022)

- CUP 97-03/Property Boundaries (approximate)
- Existing Well Cellar(s)
- Existing Cinder Block Wall (approximately 6- to 8-feet high)
- 24-Hour Noise Monitoring Location(s)
- Potential Perimeter Barrier (Block Wall/Concrete Panels)

**SESPE**  
CONSULTING, INC.  
*A Trinity Consultants Company*

**FIGURE**

**7**

**CUP SITES #6 & #7 OVERVIEW**

Signal Hill Petroleum, Inc.  
2633 Cherry Avenue  
Signal Hill, California 90755

PROJECT #:	210509.0416	DATE:	5/20/22
SCALE:	See Above	DRAWN BY:	GPS

## **APPENDIX B**

### **Regulatory References**

## C. Noise-Sensitive Receptors

Noise-sensitive receptors are those uses that have associated human activities that may be subject to stress or significant interference from noise. Potentially sensitive uses in Signal Hill include residences, schools, churches, and libraries. Table 8, *Noise Compatibility Criteria by Land Use*, presents standards used by the City of Signal Hill in assessing noise compatibility. Figure 5, *Community Noise Exposure Levels*, presents more detailed criteria to assess the compatibility of proposed land uses with the noise environment, as developed by the Governor’s Office of Planning and Research.

**TABLE 8 Noise Compatibility Criteria by Land Use**

Land Use	Compatibility Criteria
<b>RESIDENTIAL</b>	
Exterior	Outdoor living areas must be mitigated to 65 dB CNEL or less.
Interior	Habitable rooms must be mitigated to 45 dB CNEL or less.
<b>OTHER NOISE-SENSITIVE USES</b>	
Exterior	Same as residential criterion.
Interior	Same as residential criterion.
<b>COMMERCIAL</b>	
Exterior	A noise level of 70 dB CNEL or less, or one that does not interfere with normal business activity.
<b>INDUSTRIAL</b>	
Exterior	A noise level of 75 dB CNEL or less, or one that does not interfere with normal business activity. Public access areas should be 65 dB CNEL or less.

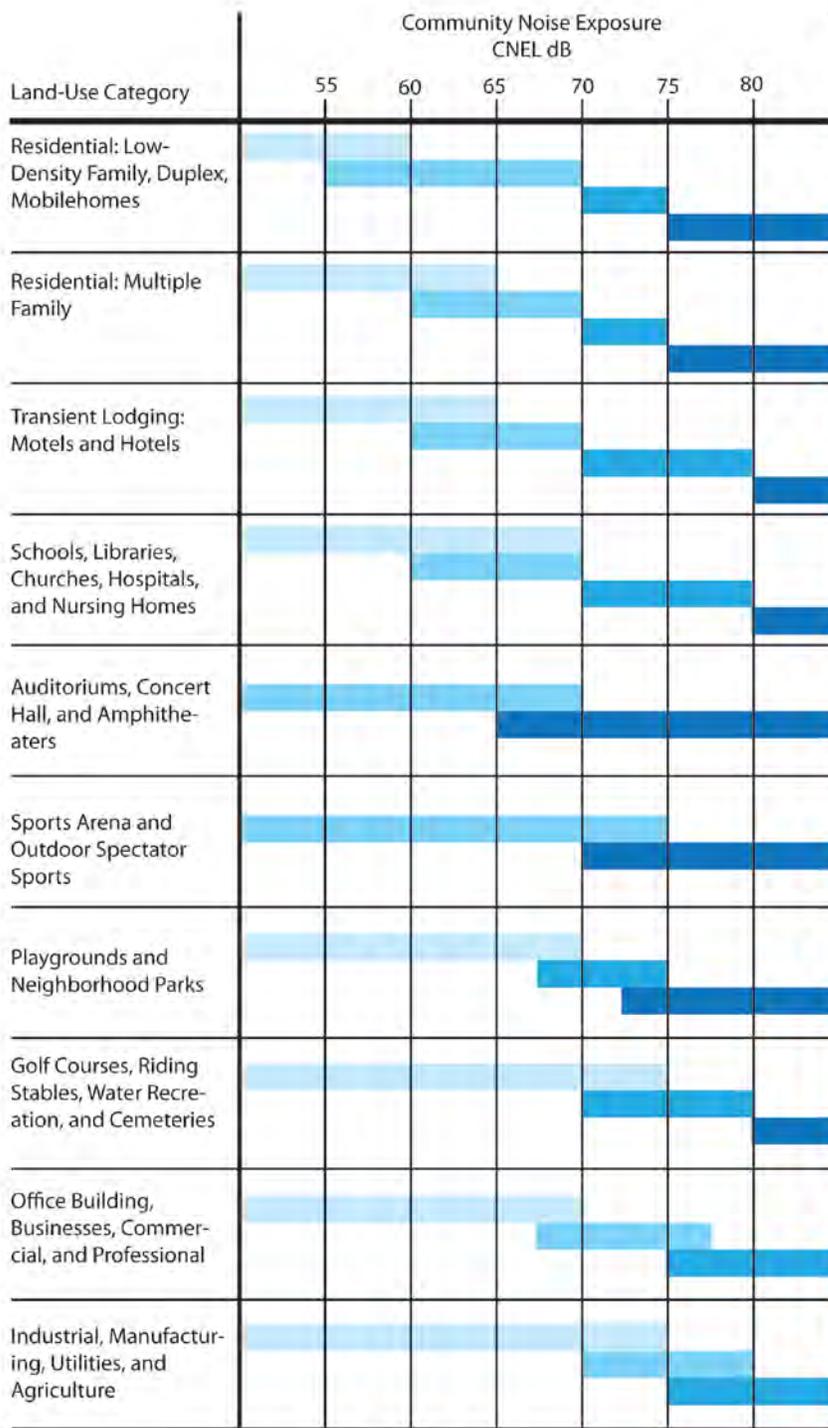
## D. Traffic Noise Levels

The most pervasive noise source in all of Southern California is on-road traffic. The major producers of traffic noise in Signal Hill are the I-405 freeway and arterial roadways.

### I-405 Freeway

Although I-405 is a major traffic noise source, it is shielded from residential and other Signal Hill noise-sensitive uses by grade separation, distance, and intervening structures. Noise-sensitive land uses near the I-405 in Signal Hill include residences in the North End Neighborhood and Burroughs Elementary

# Community Noise Exposure Levels



**Legend:**

**Normally Acceptable:** Specific land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise requirements.

**Conditionally Acceptable:** New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.

**Generally Unacceptable:** New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

**Land Use Discouraged:** New construction or development should generally not be undertaken.

*Adapted from General Plan Guidelines, Governor's Office of Planning and Research, 2003.*

**Figure 5 Community Noise Exposure Levels**

### III. GOALS AND POLICIES

---

**GOAL 1: Protect the health, safety, and welfare of people living and working within the city from adverse noise impacts.**

Policy 1.a: The City will consider the severity of noise exposure in the community planning process to prevent or minimize noise impacts to existing and proposed land uses.

Policy 1.b: Noise-compatible commercial and industrial land uses will be planned along the I-405 freeway and major roadways.

Policy 1.c: Noise-sensitive land uses, including residential, transient lodging, hospitals and long-term care facilities, educational facilities, libraries, churches, and places of public assembly will not be located near major stationary noise sources.

Policy 1.d: The City will inform those living and working within the city of the effects of noise pollution and will cooperate with all levels of government to reduce or minimize impacts.

Policy 1.e: Require noise mitigation to ensure that noise-sensitive land uses are not exposed to noise levels of greater than 45 dB in habitable rooms and 65 dB in outdoor living areas.

Policy 1.f: Where needed, the City will encourage the use of noise mitigation methods that minimize visual impacts and maintain necessary access.

Policy 1.g: The City will consider planning measures such as reduced street widths and traffic calming to reduce vehicular noise impacts on noise-sensitive land uses.

## IV. IMPLEMENTATION PROGRAM

This section provides a coordinated set of action plans and programs that serve to implement the goals and policies described in Section III.

TABLE 12 **Implementation Program**

	Action Plans/Policies	Corresponding Goal/Policy
1	Provide information to the public regarding the effects of high noise levels and means to reduce noise levels and their impacts.	1.d
2	Utilize the site plan review process and California Environmental Quality Act review of new developments to minimize impacts of noise-generating activities whenever feasible.	1.a, 1.c, 1.e, 1.f
3	Review City functions and activities to ensure that noise from concerts, construction, refuse collection, and street cleaning is reduced to the lowest possible level.	1.a
4	Consider the use of noise criteria in the purchase of new equipment by City departments and agencies as part of bid evaluation.	1.a
5	Encourage the federal and State governments to continue to provide standards of allowable industrial noise exposure so that all workers are adequately protected against noise-induced hearing loss.	1.a
6	Review the City's noise ordinance and recommend amendments as needed.	1.d
7	Review the Noise Element and update, if necessary, every five to ten years.	1.a
8	Continue to review County and regional plans for transportation, airport operation, etc. to identify the environmental impact of noise and to develop alternatives for the control of major noise sources on a County and regional basis.	1.a
9	Work closely with Caltrans in the early stages of design modification or expansion of State-owned highways to ensure proper consideration of noise impacts on the city.	1.a, 1.c, 1.f
10	Work with Caltrans to incorporate source noise reduction, barriers, and other design elements for future freeway ramp or access alignments.	1.b, 1.f
11	Continue enforcement procedures to effect compliance with Motor Vehicle Code noise standards for motor vehicles	1.a
12	Review the City's truck routes to limit to the extent practicable truck traffic in noise-sensitive areas.	1.a
13	Support the currently-adopted Aircraft Noise Compatibility Ordinance (Long Beach Municipal Code Chapter 16.43) and noise abatement procedures for Long Beach Airport. Strongly oppose the establishment of flight patterns of aircraft over the city and relocation of runways, which would include noise impacts on land uses in Signal Hill.	1.d

14	Encourage Long Beach Transit to use noise criteria as an important factor in their purchase of new buses.	1.d
15	Mitigate new noise sources to an acceptable exterior level of 65 dB CNEL or less and an interior level in habitable rooms of 45 dB CNEL or less at existing noise-sensitive land uses.	1.a, 1.e
16	Require an acoustical analysis report where the introduction or addition of a new noise source has the potential to result in exterior noise levels exceeding 60 dB CNEL at a noise-sensitive location. The report must show how noise mitigation measures have been incorporated into the design of the new noise source to reduce interior noise levels at noise-sensitive locations to 45 dB CNEL.	1.a, 1.d, 1.e
17	For new residential structures to be located where the predicted CNEL exceeds 60 dB (as shown on Figure 6, <i>Traffic Noise Impact Distances</i> ), require an acoustical analysis assuring that the proposed design will limit exterior noise to allowable levels: 45 dB in any habitable room, and to the extent practicable, 65 dB for outdoor living areas.	1.a, 1.c, 1.d
19	Enforce the California Building Standards Code (CCR, Title 24) for sound transmission between adjacent multifamily dwellings to ensure an acceptable interior noise level of 45 dB CNEL in habitable rooms.	1.a
21	Consider the use of reduced street widths and traffic calming to reduce vehicular noise.	1.g
22	Enforce existing noise ordinance requirements for the construction of new single-family detached or multifamily residential dwellings within 600 feet of an operating well, injection well, or other appurtenant oil field equipment (SHMC Section 9.16.085).	1.e

The City of Long Beach maintains an Airport Noise and Operations Monitoring System, which performs 24-hour monitoring of noise levels from 18 sites in the airport area. Noise violations are tracked, and fines are assessed to air carriers, commuter flights, charter flights, and general aviation aircraft which exceed noise standards established by the Long Beach Municipal Code. Complaints received from members of the public are also tracked and compiled by ZIP code, with monthly updates published on the Airport's website. For the six-month period from December 2008 through May 2009, a total of 1,014 complaints were received, with only six (fewer than one percent of all complaints) coming from within the city of Signal Hill's ZIP code of 90755. The small number of complaints from within Signal Hill suggests that airport noise is not a major concern for city residents.

## **Oil Operations**

Drilling, pumping, and well-servicing operations occur throughout the city and are regulated by the SHMC Oil Code and Zoning Ordinance. Noise levels from these sources vary depending on the type and maintenance of the equipment involved. The SHMC prohibits the drilling of new wells in residential districts. However, existing wells and drill sites are interspersed with residential and other noise-sensitive land uses and wells are sometimes located close to homes. This creates potential noise conflicts.

### *Operations*

Most pumping units operate with electric motors to reduce noise; however, occasionally, a unit may develop an audible annoying squeak if a lubricated joint becomes dry between scheduled maintenance periods. Periodic well servicing, generally lasting from three to five days, is necessary to maintain petroleum production but produces short-term noise disruptions. In the past, operators have been responsive to citizen or City complaints to service or repair noisy units. Well servicing in residential areas is limited to weekdays from 7:00 am to 7:00 pm. The City maintains contact information for the operators to facilitate repairs should a citizen complaint be filed, and oil operators' emergency contact information is posted on all well enclosures. As part of the update to this Noise Element, the City conducted noise measurements of a typical pumping unit (Redrill Well 17-7) on August 17, 2009; the results of these noise measurements are presented in Table 5, *Oil Derrick Noise Measurements*. The

measurement locations shown in the table are at the boundaries of the well enclosure. Figure 4, *Typical Oil Well Redrilling Noise Levels*, graphically depicts the contours listed in the table.

### *Drilling and Redrilling Activities*

Well drilling and redrilling activities are considerably noisier than typical pumping operations because the power source is a large, portable generator powered by an internal combustion engine. Redrilling noise can be perceived as intrusive to a radius of 150 feet from the rig.

Drilling or redrilling of wells is accomplished with multiple pieces of equipment working in support of the drill rig itself. Drilling and redrilling generally produce the same level of noise, but redrilling takes a shorter period of time.

Noise testing was performed during redrilling operations conducted at a well in the parking lot of the Costco/The Home Depot center located at the southeast corner of Cherry Avenue and Willow Street. Testing locations were along the fence of the derrick enclosure, a chain-link fence. This well is located in an open area, with no buildings or topographical changes impacting noise levels. The testing revealed that a marked variation in noise levels occurs in the vicinity of the well. Major factors influencing noise levels are distance from the generators and intervening barriers, such as buildings.

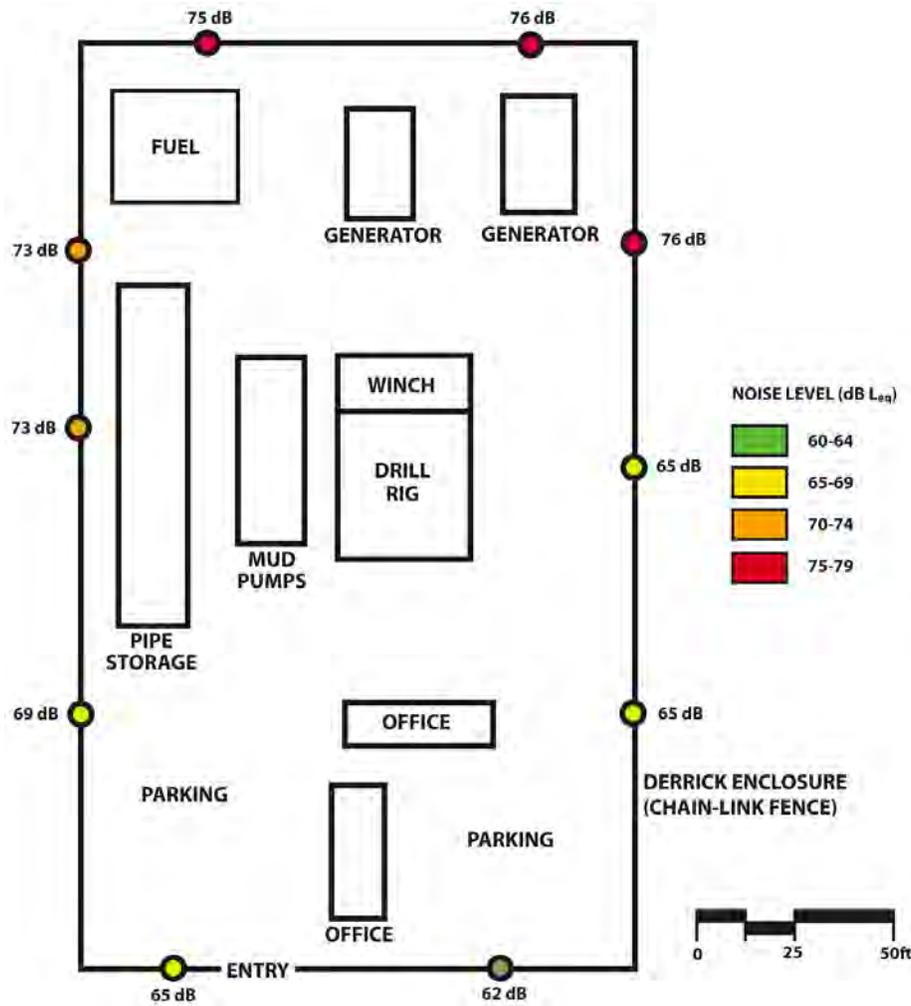
**TABLE 5 Oil Derrick Noise Measurements**

Location		$L_{eq}$	$L_{max}$	$L_{min}$
120'	SSW	65	75	60
120'	SSE	62	70	58
80'	SE	65	76	60
60'	E	68	86	62
80'	NE*	76	78	74
120'	NNE*	76	81	75
120'	NNW*	75	78	74
80'	NW	73	82	70
60'	W	73	77	71
80'	SW	69	79	62

\* Closest to generator trailers.

As shown in Figure 4, the generator noise of 76 dB  $L_{eq}$  derived from an apparent source location approximately 30 feet from the measurement point. The distance of noise intrusion (65 dB  $L_{eq}$ ) is

approximately 100 feet from the source. With the use of high-quality mufflers on the generators, the area of substantial well drilling noise impact is relatively small.



**Figure 4 Typical Oil Well Redrilling Noise Levels**

## Other Noise Sources

Other noise sources impacting Signal Hill include:

- Commercial and industrial uses.** In general, these operations and activities are not considered a citywide noise problem. Isolated conflicts occur where commercial and industrial uses are located near noise-sensitive sites. Additionally, the Noise Ordinance, Zoning Ordinance, and other portions of the SHMC provide standards that limit noise production from commercial and industrial uses.

## Chapter 9.16

### NOISE\*

---

Sections:

- 9.16.010 Generally.
- 9.16.020 Definitions.
- 9.16.030 Noise standards.
- 9.16.040 Prohibited noises enumerated.
- 9.16.050 Construction or repairing of buildings.
- 9.16.060 Machinery and equipment other than that required for servicing, redrilling and reworking of existing oil wells.
- 9.16.070 Servicing, reworking and redrilling of existing oil wells.
- 9.16.080 New construction of habitable space.
- 9.16.085 New construction of residential dwellings in close proximity to oil field equipment.
- 9.16.087 Existing oil field equipment violations and compliance procedures.
- 9.16.090 Vehicular and industrial noise sources.
- 9.16.100 Public services.
- 9.16.110 Emergency well work.
- 9.16.130 Enforcement.
- 9.16.140 Violations.
- 9.16.150 Penalty for misdemeanor violations.

\* Prior ordinance history: prior code §§ 9.28.010-- 9.28.100, (Ord. 538) and Ordinance 79-11-832.

#### **9.16.010 Generally.**

It is declared to be the policy of the city to prohibit unnecessary, excessive, and annoying noises from all sources subject to its police power. At certain levels noise is detrimental to the health and welfare of the citizenry and in the public interest shall be systematically prescribed.

(Ord. 81-8-878 § 1)

#### **9.16.020 Definitions.**

The following terms used in this chapter, unless the context clearly indicates otherwise, shall have the respective meanings set forth in this section:

A. "Ambient noise" means the all-encompassing noise associated with a given environment, being usually a composite of sounds from many sources near and far. For the purpose of this chapter,

"ambient noise level" is the level obtained when the noise level is averaged over a period of fifteen minutes without inclusion of noise from isolated identifiable sources, at the location and time of day near that at which a comparison is to be made.

B. "Ambient noise level" as referred to in this chapter, means the higher of the following:

1. Actual measured ambient noise level; or
2. Presumed ambient noise level as determined from the following chart:

Zone	Ambient Base Noise Level	
	Night (10 p.m. to 7 a.m.)	Day (7 a.m. to 10 p.m.)
Residential	50	60
Commercial	60	65
Industrial	70	70

C. "CNEL" is the measure of the noise environment over a twenty-four hour period as defined in Title 4, Subchapter 6 of the California Administrative Code.

D. "Decibel" (Db) means a unit which denotes the ratio between two quantities which are proportional to power; the number of decibels corresponding to the ratio of two amounts of power is ten times the logarithm to the base ten of this ratio.

E. "Sound level" (noise level) in decibels is sound measured using the "A" weighting network of a sound level meter. Slow response of the sound level meter needle shall be used except where the sound is impulsive or rapidly varying in nature in which case fast response shall be used.

F. "Sound level meter" means an instrument including a microphone, an amplifier, an output meter, and frequency weighting networks for the measurement of sound levels which satisfies the pertinent requirements in American National Standards Institutes's Specification S1.4 - 1971 or the most recent revision thereof for Type S-2A general purpose sound level meters.

G. "Sound amplifying equipment" means any machine or device for the amplification of the human voice, music, or any other sound. Sound amplifying equipment does not include standard automobile radios when used and heard only by the occupants of the vehicle in which the automobile radio is installed. Sound amplifying equipment, as used in this chapter, does not include warning devices on authorized emergency vehicles or horns or other warning devices on any vehicle used only for traffic safety purposes.

(Ord. 93-04-1153 § 1; Ord. 81-8-878 § 2)

### **9.16.030 Noise standards.**

A. Notwithstanding any other provision of this chapter, and in addition thereto, it is unlawful for any person to wilfully make or continue, or cause to be made or continued, any loud, unnecessary, or unusual noise which disturbs the peace or quiet of any neighborhood or which causes discomfort or annoyance to any reasonable person of normal sensitiveness in the area.

B. The standards which shall be considered in determining whether a violation of the provisions of this section exists include, but are not limited to, the following:

1. The level of the noise;

2. The intensity of the noise;
3. Whether the nature of the noise is usual or unusual;
4. Whether the origin of the noise is natural or unnatural;
5. The level and intensity of the background noise, if any;
6. The proximity of the noise to residential sleeping facilities;
7. The nature and zoning of the area within which the noise emanates;
8. The density of the inhabitation of the area within which the noise emanates;
9. The time of the day or night the noise occurs;
10. The duration of the noise;
11. Whether the noise is recurrent, intermittent, or constant; and
12. Whether the noise is produced by a commercial or noncommercial activity.

(Ord. 81-8-878 § 5)

#### **9.16.040 Prohibited noises enumerated.**

The following acts, or similar acts, are declared to be loud, disturbing, and unnecessary noises in violation of this chapter. A field test in accordance with Section 9.16.110 shall not be necessary to establish a violation of this section:

A. **Horns and Signaling Devices.** The sounding of any horn or signaling device on any automobile, motorcycle, or other vehicle on any street or public place of the city, except as a danger warning; the creation by means of any such signaling device of any unreasonably loud or harsh sound, and the sounding of any such device for an unnecessary and unreasonable period of time; the use of any signaling device except one operated by hand or electricity; the use of any horn, whistle, or other device operated by engine exhaust; and the use of any such signaling device when traffic is for any reason held up;

B. **Radios and Other Sound Amplification Devices.** The using, operating, or permitting to be played, used, or operated, any radio receiving set, musical instrument, phonograph, or other machine or device for the producing or reproducing of sound in such manner as to disturb the peace, quiet, and comfort of the neighboring inhabitants or at any time with louder volume than is necessary for convenient hearing for the person or persons who are in the room, vehicle, or chamber in which such machine or device is operated and who are voluntary listeners thereto; the operation of any such set, instrument, phonograph, machine, or device between the hours of eleven p.m. and seven a.m. in such a manner as to be plainly audible at a distance of fifty feet from the building, structure or vehicle in which it is located shall be prima facie evidence of a violation of this section;

C. **Commercial Amplifications.** The using, operating, or permitting to be played, used, or operated, of any radio receiving set, musical instrument, phonograph, loudspeaker, sound amplifier, or other machine or device for the producing or reproducing of sound which is cast upon the public streets for the purpose of commercial advertising or attracting the attention of the public to any building or structure;

D. **Yelling and Shouting.** Yelling, shouting, hooting, whistling, or singing on the public streets, particularly between the hours of eleven p.m. and seven a.m. or at any time or place so as to annoy or disturb the quiet, comfort, or repose of persons in any office or in any dwelling, hotel or other type of residence, or of any person in the vicinity;

E. Noises Near Schools, Hospitals, and Courts. The creation of any excessive noise on any street adjacent to any school, institution of learning, church, or court while the same are in use, or adjacent to any hospital, which unreasonably interferes with the workings of such institution, or which disturbs or unduly annoys patients in the hospital, provided conspicuous signs are displayed in such streets indicating that the same is a school, hospital, or court street;

F. Animals and Fowl. The keeping or maintenance of any animal or fowl which by any sound, cry, or behavior causes annoyance or discomfort to a reasonable person of normal sensitiveness in any residential neighborhood;

G. Vehicle Repair. The creation of any loud, disturbing, or unnecessary noise associated with the repair, rebuilding or testing of any motor vehicle between the hours of six p.m. and seven a.m. in a residential area, in such a manner that a reasonable person of normal sensitiveness residing in the area is caused discomfort or annoyance.

(Ord. 81-8-878 § 6 (part))

#### **9.16.050 Construction or repairing of buildings.**

A. Generally. It is the purpose of this section to promote quiet and peaceful residential areas by limiting construction activities which create disturbing noise to reasonable times and circumstances, but such limitations shall not apply where residences will not be affected, where individual homeowners are performing maintenance work, or to emergency circumstances.

B. Limitation of Activity. No person shall carry on any construction activities, including the erection, demolition, excavation, modification, alteration or repair of any building or structures, or any other activities creating construction noise as defined in this section other than between the hours of seven a.m. and six p.m. on weekdays, except as otherwise permitted in this section.

C. Definitions. For the purposes of this section, the following words and phrases shall have the following meanings, except where the context indicates otherwise:

1. The term "weekday" does not include Saturdays, Sundays or holidays, but does include all other days. "Holidays" is defined in this section to include the following seven days: Christmas, Thanksgiving, New Year's, July 4th, Memorial Day, Labor Day and Veterans Day.

2. The term "construction noise" means noise associated with construction activities and includes but is not limited to any loud, annoying or disturbing noises or sounds associated with the delivery or operation of equipment, radios, communication equipment, shouting, horns, bells, demolition, excavation digging, pouring, pounding or other similar noise.

D. Exceptions. Notwithstanding any other provision of this section, construction activities are permitted as follows:

1. An owner of a dwelling or property residing thereon may perform repair or maintenance work on such dwelling or property without regard to any limitation contained in this section.

2. During any emergency, any construction activities required to preserve life or property shall be permitted at any time, but this paragraph shall not authorize any construction activity if the building official determines that no emergency exists and notifies the property owner or person responsible for the construction activity that no such emergency exists.

3. Construction activities creating construction noise may be authorized between the hours of six p.m. and seven a.m. on weekdays or at any time on any other days if a permit for such construction activities is issued by the building official of the city or his designee in accordance with the provisions contained in this section, and is not revoked.

E. Permit Procedure to Authorize Construction Activities at Times other than Permitted Hours on Weekdays.

1. The building official or his designee may issue a permit authorizing construction activities at times not otherwise permitted by this section only when the issuing official determines that the construction activity will not produce construction noise which will interfere with the peaceful enjoyment of persons occupying surrounding properties. The issuing official shall consider the nature of surrounding property, type of construction activity, time of construction activity, existence of buildings, structures, natural features and topography which will buffer the impacts of construction noise on surrounding properties, and any other matters affecting the impact of the construction noise on surrounding properties, and may impose any conditions deemed reasonable to mitigate such impacts. A copy of any permit issued pursuant to this section shall be filed by the issuing official with the police department.

2. Where appropriate mitigating measures are taken, a permit should generally be granted for construction activities other than the following:

- a. Motorized earth-moving equipment;
- b. Framing;
- c. Concrete placement;
- d. Mixing equipment;
- e. Stuccoing;
- f. Roofing;
- g. Any activity requiring compressors;
- h. Any activity producing similarly adverse noise impacts.

3. The general contractor responsible for the construction activity, or where there is no general contractor, the property owner, shall apply for the permit prior to the performance of such construction activity, shall certify that he understands and agrees to the terms thereof, and shall post a copy of said permit at the job site in a manner reasonably visible to the public. Such person shall be the permittee and is responsible for assuring compliance with all terms and provisions of the permit.

4. Where complaints are received from persons occupying surrounding property concerning construction noise created by any construction activity, the permit may be modified or revoked by the issuing official, and shall be revoked if complaints are received from the occupants of three separate properties or of three separate dwelling units on any property or properties. The permit shall be revocable by either the issuing official or the police department and any permittee shall be duly informed of such revocation. The building official or his designee may reissue said permit if he believes that the provisions of this section are satisfied, but if subsequently revoked, such permit shall not be reissued.

(Ord. 81-8-878 § 4)

**9.16.060 Machinery and equipment other than that required for servicing, redrilling and reworking of existing oil wells.**

A. It is unlawful for any person to operate any machinery, equipment, compressor, pump, generator, fan, air conditioning apparatus, or similar mechanical device, or provide boarding or daycare to animals in an enclosed building (kennel) in any manner so as to create any noise which would cause the noise level at the property line of any property to exceed the ambient noise level by more than five decibels. For the purposes of this section, "noise level" means measured sound level with the following values added as corrections for time duration and character of the noise:

1. Add one and only one of the following corrections for time duration:
  - a. Noise persists for more than five minutes out of any one hour 0
  - b. Noise persists for more than one minute but not more than five minutes out of any one hour -5
  - c. Noise persists for one minute or less out of any one hour -10
2. Add one and only one of the following corrections for unusual character:
  - a. Noise has no unusual character 0
  - b. Noise contains a piercing pure tone +5
  - c. Noise is impulsive or rattling in nature +5
  - d. Noise carries speech, music, or other information content +5

B. This section shall not prevent the normal operation, repair, or maintenance of household gardening equipment and hobby shop equipment or the servicing, redrilling and reworking of oil wells.

(Ord. 93-04-1153 §§ 2, 3; Ord. 81-8-878 § 6 (part); Ord. 2012-02-1444 § 2)

#### **9.16.070 Servicing, reworking and redrilling of existing oil wells.**

A. Except in case of emergency well work, well servicing reworking and truck deliveries are prohibited except Monday through Friday, inclusive, from seven a.m. to seven p.m. and except for industrial areas and drill sites as shown on the oil well servicing map on file in City Hall where work shall be permitted on Saturdays and Sundays from nine a.m. to seven p.m.

B. During redrilling activities, soundproofing shall be provided in accordance with Section 16.16.110.

C. 1. During redrilling, reworking or servicing operations the operator shall be required to respond to resident complaints about noise from such operations. If the operator has not taken action to reduce the noise from such operations to a level acceptable to the complaining resident within twenty-four hours of the making of the complaint, the city may order the operator to implement one or more of the following temporary noise mitigating measures:

- a. Extension or diversion of oil service rig tailpipes away from affected dwellings;
- b. Replacement of defective or worn mufflers;

c. Construction of sound barriers up to one hundred twenty square feet in dimension between any operating engine(s) and the affected dwelling, which barriers must comply with all Uniform Fire Code provisions then in effect.

2. The operator shall implement any such mitigation measures within twenty-four hours of being so ordered by the city.

(Ord. 93-04-1153 §§ 4, 5; Ord. 90-08-1074 § 2; Ord. 87-07-992 §§ 1, 2, 3; Ord. 81-8-878 § 6 (part))

#### **9.16.080 New construction of habitable space.**

In accordance with Title 25 of the California Administrative Code, all construction of habitable rooms in new hotels, motels, apartment houses, and dwellings other than detached single-family dwellings, shall provide interior community noise equivalent levels (CNEL) with windows closed attributable to exterior sources less than or equal to an annual CNEL of 45 dB.

(Ord. 81-8-878 § 6 (part))

## **9.16.085 New construction of residential dwellings in close proximity to oil field equipment.**

A. For any new development which proposes to locate any portion of any dwelling within six hundred feet of an operating oil well, injection well, or any other appurtenant oil field equipment, upon submittal of an application for development approval as described in Chapter 20.52, the city shall review the oil field map and if necessary take field noise measurements to evaluate the potential for proposed residential development to be adversely impacted by oil field equipment noise. When the city determines that proposed development may be impacted by oil field equipment noise the applicant shall submit one of the following:

1. A joint oil field equipment noise mitigation plan, approved by both the applicant and the operator of the oil field equipment in question, describing in detail the measures proposed to be completed during the construction of the proposed development to mitigate the effects of any proposed dwelling from oil field equipment noise to levels provided in Section 9.16.020(B). The joint oil field equipment noise mitigation plan shall include a certification by a state licensed acoustical engineer that the mitigation measures proposed are anticipated to reduce the effect of oil field equipment noise on the affected dwellings to levels provided for in Section 9.16.020(B). The mitigation measures may include walls, enclosures, earth berms, construction features, grade changes, reconfiguration or relocation of proposed dwelling units, reduction of dwelling unit densities, or modifications, repairs, or other alterations to the oil field equipment. All mitigation measures proposed must comply with applicable requirements of the Signal Hill Municipal Code.

2. A development applicant oil field equipment noise mitigation plan, prepared by the applicant. If the applicant owns or controls the oil facility in question, he/she may not submit a development applicant oil field equipment noise mitigation plan. A development applicant oil field equipment noise mitigation plan shall include all of the following:

a. Evidence acceptable to the director of planning that the applicant contacted the operator of the oil field equipment in question, and made a good faith effort to secure the cooperation of the operator in the preparation of a joint oil field equipment noise mitigation plan, including evidence that the developer offered to pay the reasonable costs of any modifications to oil field equipment required to meet the noise levels provided in Section 9.16.020(B);

b. Description in detail of mitigation measures, other than repairs, modifications, or other alterations to the oil field equipment, proposed to be completed during the construction of the proposed development to mitigate the effects on any proposed dwelling from oil field equipment noise to levels provided in Section 9.16.020(B), or as close to such levels as best practicable technology may permit. The mitigation measures may include walls, enclosures, earth berms, construction features, grade changes, reconfiguration or relocation of proposed dwelling units, reduction of dwelling unit densities, provided that no such reduction shall be required which does not permit the development of at least one dwelling unit on each legal lot on the property. All mitigation measures proposed must comply with all applicable requirements of the Signal Hill Municipal Code;

c. One of the following:

i. Certification by a state licensed acoustical engineer that the mitigation measures proposed are properly designed to reduce the effect of oil field equipment noise on affected dwellings to levels provided for in Section 9.16.020(B); or

ii. Certification by a state licensed acoustical engineer that there are no mitigation measures permitted under the Signal Hill Municipal Code, other than repairs, modifications, or other alteration of the oil field equipment, which can be properly designed to reduce the effect of oil field equipment noise on affected dwellings to levels provided for in Section 9.16.020(B).

B. The mitigation measures proposed by any oil field equipment noise mitigation plan shall be subject to review and approval under the provisions of Chapter 20.52 as a part of the application for the project. No project subject to the provisions of this section shall be approved without the approval

of an oil field equipment noise mitigation plan. No developer applicant oil field equipment noise mitigation plan shall be approved until such plan has been submitted by the director of planning to the operator of the oil field equipment in question for review and comment. The operator shall have thirty days to respond to the director of planning regarding such plan submitted by the applicant and may request a hearing before the director of planning and the applicant and shall have the right to protest such plan.

C. All mitigation measures in the approved oil field equipment noise mitigation plan must be constructed or implemented as part of the project construction. No certificate of occupancy shall be issued for any dwelling until the applicant submits noise measurements taken by a state licensed acoustical engineer, indicating compliance with the noise standards provided in Section 9.16.020(B). If such measurements do not indicate compliance, the applicant shall have ninety days to propose and install additional mitigation measures to bring the dwelling into compliance.

D. If after construction or implementation of all mitigation measures in an approved oil field equipment noise mitigation plan, and construction and implementation of additional mitigation measures under subsection C above, the city determines that the residence cannot be brought into compliance with the noise standards provided in Section 9.16.020(B), the city may issue a certificate of noncompliance for the residence. The certificate of noncompliance shall allow the issuance of a certificate of occupancy for the residence. The developer shall record the certificate of noncompliance at the office of the county recorder. After issuance of the certificate of noncompliance and certificate of occupancy, the residence may be occupied, and shall be treated as an existing residential unit and nearby oil field equipment shall be treated as existing oil field equipment for all purposes under this chapter.

(Ord. 93-04-1153 § 6)

#### **9.16.087 Existing oil field equipment violations and compliance procedures.**

A. For existing oil field equipment, residential owners or occupants within six hundred feet of such equipment may contact the operators to report offensive oil field equipment noise. It shall be the responsibility of the operator to respond to any such report within twenty-four hours of receiving the report. If after having contacted the operator the owner or occupant is not satisfied with the corrective measures taken by the operator, the owner or occupant may lodge a complaint with the city. Upon the receipt of such a complaint, the city shall take noise measurements, using city equipment and employees of the city trained to operate the equipment, to determine if the noise as measured from interior areas of the affected dwelling with windows open or from rear yard patio areas exceeds the noise levels permitted by Section 9.16.020(B), and if the source of the noise is oil field equipment. The owner or occupant making the complaint shall agree to entry onto the affected property by city personnel, and by any state licensed acoustical engineer retained by an operator pursuant to subsection C below, for the purposes of making the noise measurements. In the absence of such consent, the city need take no further action and the owner or occupant shall be deemed to have abandoned the noise complaint.

B. 1. Should the noise measurement indicate noise levels exceeding the noise levels set forth in Section 9.16.020(B), the city shall notify the operator. The notice shall state the time and date of the city's measurement, the noise level measured, and shall state that the operator must take corrective actions to remedy the violation. The corrective actions may include, but are not limited to, the following:

- a. Repairs to the oil field equipment motor, belts, transmission, etc.;
- b. Construction of an enclosure over the belt, motor, and/or pulleys of sufficient design and quality to mitigate noise to the greatest extent possible;
- c. Construction of a wall between the offending oil field equipment and the dwelling of sufficient height and density to mitigate noise to the greatest extent possible;

d. Replacement or repair of old aboveground pumping units to achieve noise levels similar to comparable equipment in good working order.

2. The notice shall also provide a reasonable time, not less than ten days, but not to exceed sixty days, within which the oil field equipment must be brought into compliance.

C. Upon receipt of the notice provided for above, the oil operator may appeal the city's determination of noise level. The operator must indicate its intent to appeal the determination in writing to the city clerk within ten days of the receipt of notice. The appeal must state all grounds upon which the operator challenges the notice. If the operator appeals the determination, it shall provide to the city, within twenty days of its notice of intent to challenge the determination, measurements from a state licensed acoustical engineer, the engineer being mutually agreed upon by both the operator and the city, which shall be taken in the same manner as set out in subsection A above. The measurements shall be binding to both the operator and the city. The time periods for bringing the oil field equipment into compliance as stated in any notice issued pursuant to subsection B above shall be tolled during the appeal period.

D. It shall be the sole responsibility of the operator to mitigate oil field noise to the noise level required by Section 9.16.020(B). Failure by the operator to mitigate the oil field equipment noise to permitted levels in compliance with the notice provided in subsection B above shall be deemed a misdemeanor violation, and subject to enforcement under Chapter 1.16.

E. In the event that the operator implements all reasonably available noise mitigation measures, but the noise levels required by Section 9.16.020(B) are not achieved, the city may issue a certificate of compliance for the subject oil field equipment, describing the mitigation measures constructed and before and after noise measurements taken from the affected dwelling. The certificate of compliance shall permit the continued operation of the applicable oil field equipment only to the extent of the noise measurements taken from the affected dwelling after implementation of all mitigation measures described in the certificate. If the oil field equipment which is the subject of a certificate is later operated in a manner which exceeds the noise level identified in the certificate, the operator of such equipment shall be subject to all of the provisions of this chapter to the extent the noise level resulting from such operation exceeds the noise level identified in the certificate.

(Ord. 93-04-1153 § 7)

#### **9.16.090 Vehicular and industrial noise sources.**

In accordance with Title 25 of the California Administrative Code, residential buildings to be located within an annual exterior CNEL of 60 dB adjacent to transportation routes as identified in the noise element of the general plan, shall require an acoustical analysis showing that the proposed building has been designed to limit intruding noise to an annual CNEL of 45 dB.

Evidence of compliance with this section shall be in accordance with Title 25 of the California Administrative Code.

(Ord. 81-8-878 § 6 (part))

#### **9.16.100 Public services.**

The provisions of this chapter shall not preclude the construction, operation, maintenance, and repairs of equipment apparatus, or facilities of park and recreation departments, public work projects, or essential public services and facilities, including those of public utilities subject to the regulatory jurisdiction of the California Public Utilities Commission.

(Ord. 81-8-878 § 6 (part))

#### **9.16.110 Emergency well work.**

The provisions of this chapter shall not prevent emergency well work at any time. Emergency well work shall mean any sudden or unforeseen situation that requires immediate action to preserve life, property or the environment and may include well blowout, loss of circulation, rig safety or other situations deemed to be an emergency by the state department of oil and gas or the city oil coordinator. In the event that any person believes an emergency exists, they may take immediate corrective action and simultaneously shall notify the city oil coordinator of such emergency and corrective action. If the city oil coordinator determines that no emergency exists or that the corrective action is inappropriate, the coordinator shall so notify the person taking action and such person shall comply with the determination and order of the coordinator.

(Ord. 87-07-992 § 4: Ord. 81-8-878 § 6 (part))

#### **9.16.130 Enforcement.**

Where applicable, noise ordinance enforcement shall be governed by the noise ordinance enforcement instructions on file in the office of the community development director.

(Ord. 81-8-878 § 6 (part))

#### **9.16.140 Violations.**

Any person who violates any provision of this chapter or the conditions of any permit authorized pursuant to this chapter, shall be guilty of an infraction as defined by the California Penal Code, punishable by a fine of not more than five hundred dollars; provided, that any person having committed three infractions within a one-year period (three hundred sixty-five consecutive days), who commits a subsequent violation of this chapter, shall be guilty of a misdemeanor, punishable as provided in this chapter. The police department shall have the power and duty to cite persons violating the provisions of this chapter or of any permit pursuant thereto and to enforce the provisions thereof.

(Ord. 81-8-878 § 6 (part))

#### **9.16.150 Penalty for misdemeanor violations.**

Any person deemed guilty of a misdemeanor in accordance with Section 9.16.140, upon conviction, shall be fined not more than five hundred dollars or imprisoned for not more than one hundred eighty days or both.

(Ord. 81-8-878 § 6 (part))

# Title 16

## OIL AND GAS CODE\*

### Chapters:

- 16.04 General Provisions
- 16.08 Definitions
- 16.12 Permits and Bonds
- 16.16 Drilling Standards
- 16.20 Operating and Safety Standards
- 16.22 Idle Wells
- 16.23 Abandonment of Wells
- 16.24 Development Standards for Properties Containing Abandoned Wells
- 16.25 Storage Facilities
- 16.32 Pipelines

\* Prior history: Prior code Sections 16.04.010 through 16.40.030 and Ords. 64-12-572, 71-3-671 and 72-11-693.

## Chapter 16.04

### GENERAL PROVISIONS

---

### Sections:

- 16.04.010 Title.
- 16.04.020 Purpose.
- 16.04.025 Code applicability.
- 16.04.030 Conflicting provisions.
- 16.04.040 Administration.
- 16.04.050 Inspection.
- 16.04.060 Right of entry.
- 16.04.070 Notices.
- 16.04.080 Stop orders.
- 16.04.090 Variances.

- 16.04.100 Violations--Nuisance.
- 16.04.110 Violations--Misdemeanor.
- 16.04.120 Penalty for violations.
- 16.04.130 Oil advisory committee.

#### **16.04.010 Title.**

This title shall be known and may be cited as the “City of Signal Hill Oil and Gas Code.”  
(Ord. 2015-05-1475 § 2 (part); Ord. 90-08-1074 § 4 (part))

#### **16.04.020 Purpose.**

It is the intent and purpose of this title to regulate the drilling for production, processing, storage and transport by pipeline of petroleum and other hydrocarbon substances, timely and proper well abandonment and well site restoration and removal of oil and gas related facilities, reclamation and remediation of host sites and final disposition of pipelines in compliance with applicable laws and permits so that these activities may be conducted in conformance with federal, state, and local requirements, and to mitigate the impact of oil-related activities on urban development.

To accomplish this purpose, the regulations outlined in this title are determined to be necessary for the preservation of the public health, safety, and general welfare.

(Ord. 2015-05-1475 § 2 (part); Ord. 90-08-1074 § 4 (part))

#### **16.04.025 Code applicability.**

This title, insofar as it regulates petroleum operations also regulated by the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR), is intended to supplement such state regulations and to be in furtherance and support thereof. In all cases where there is conflict with state laws or regulations, such state laws or regulations shall prevail over any contradictory provisions, or contradictory prohibitions or requirements, made pursuant to this title.

(Ord. 2015-05-1475 § 2 (part))

#### **16.04.030 Conflicting provisions.**

Wherever provisions or requirements of this title and any other code or law conflict, the most restrictive title, code or law shall govern exclusively, unless there are specific preemptions established by law.

(Ord. 90-08-1074 § 4 (part))

#### **16.04.040 Administration.**

A. Oil Services Coordinator. It shall be the duty of the oil services coordinator or his duly appointed representative to enforce the provisions of this title, unless other officials are specified.

B. City Petroleum Engineer. It shall be the duty of the city’s Registered Professional Petroleum Engineer to verify that well abandonments meet the city’s equivalency standard for abandonment.  
(Ord. 2015-05-1475 § 2 (part); Ord. 90-08-1074 § 4 (part))

#### **16.04.050 Inspection.**

A. All drilling, redrilling, rework or construction for which a permit is required shall be subject to inspection by the oil services coordinator. No drilling, redrilling, reworking, or construction work for any

new phase of a project shall be done until inspections deemed necessary by the oil services coordinator have been made and required approvals granted.

B. It shall be the duty of the operator or his designated agent to notify the oil services coordinator that work is ready for inspection.

(Ord. 90-08-1074 § 4 (part))

#### **16.04.060 Right of entry.**

Any officer or employee of the city, or his duly appointed representative, whose duties require the inspection of the premises shall have the right and privilege at all reasonable times, to enter upon any premises upon or from which any operations are being conducted for which any permit has been issued or is required under this title, for the purpose of making any of the inspections pursuant to this title, or in any other ordinance of the city, or for any other lawful purpose. No owner, occupant, or any other person having charge, care, or control of any building or premises shall fail or neglect, after twenty-four hour notice, or upon shorter notice or no advance notice in emergency situations, to permit entry therein, pursuant to this section.

(Ord. 90-08-1074 § 4 (part))

#### **16.04.070 Notices.**

A. Repair and correction notices. Notices requiring repair or corrections provided by this title shall be issued by the Oil Services Coordinator consistent with titles 15 and 20 of the Signal Hill Municipal Code.

B. Service of notices.

1. Every operator of any oil well shall designate an agent, who must be a resident of the state during all times he or she serves as agent, upon whom all orders and notices provided in this title may be served in person or by mail. Every operator so designating such agent shall within five days, notify the Oil Services Coordinator in writing of any change in such agent or such mailing address unless operations within the city are discontinued.

2. Any notice served pursuant to this title shall be deemed received five days after said notice, properly addressed, is placed in the United States postal service, postage prepaid.

C. Change of operator. The operator shall submit to the Oil Services Coordinator a copy of the DOGGR report of property/well transfer/acquisition within thirty days after sale, assignment, transfer, conveyance, or exchange. A change of operator will require that a new permit be issued within thirty days after the sale, assignment, transfer, conveyance or exchange and a prorated annual fee shall be paid for any well required to have a permit in accordance with Chapter 16.12 of the Signal Hill Municipal Code.

(Ord. 2015-05-1475 § 2 (part); Ord. 90-08-1074 § 4 (part))

#### **16.04.080 Stop orders.**

A. If at any time the oil services coordinator finds that any operator is violating any of the provisions of this title, which affect public health and safety, with concurrence of the D.O.G., he may issue a stop order for immediate cessation of operations. A copy of the stop order shall be served upon the operator or the operator's agent designated pursuant to Section 16.04.070(B). The operator shall immediately comply with the order of the oil services coordinator to cease and shall not resume such operations until written consent therefor by the oil services coordinator has been obtained, or unless ordered by the California Division of Oil and Gas (D.O.G.) due to special or emergency circumstances. Upon written request by the operator or a request by D.O.G., the oil services coordinator may stay

compliance with the stop order until such operator has appealed the determination of the oil services coordinator.

#### B. Appeals.

1. Any operator may appeal the inspector's stop order to the city council by filing a written notice of the appeal with the city clerk within ten days of service of the stop order. The notice shall state all grounds for the appeal and be accompanied by an appeal fee. The city council shall, at its next regular meeting from the filing of the notice of the appeal, conduct a hearing thereon, at which the operator shall be given an opportunity to present any evidence why the stop order should be modified or vacated. The hearing may be continued by city council from time to time.

2. After receiving evidence proffered on the appeal and closing the hearing, city council shall render its decision on the appeal within thirty days. The city council may affirm, conditionally affirm, vacate, or otherwise modify any aspect of the stop order.

#### **16.04.090 Variances.**

Variances from the requirements contained in this title shall be processed considered in accordance with Chapter 20.84 of this code. Applications for variances shall be accompanied by a variance fee.

(Ord. 90-08-1074 § 4 (part))

#### **16.04.100 Violations--Nuisance.**

Any use, operation, building, tank, pipeline, site, or structure excavation, sump, hereafter erected, built, maintained, used, or conducted contrary to the provisions of this title is hereby deemed to constitute a public nuisance, and shall be subject to abatement pursuant to Chapter 8.12 of this code. The oil services coordinator is specifically authorized to seek and obtain injunctive relief against the creation, maintenance, or allowance of any such nuisance.

(Ord. 90-08-1074 § 4 (part))

#### **16.04.110 Violations--Misdemeanor.**

Any violation of any provision of this title shall constitute a misdemeanor punishable as prescribed in Chapter 1.16 of this code.

(Ord. 90-08-1074 § 4 (part))

#### **16.04.120 Penalty for violations.**

The penalties for the violation of any provision of this title shall be as prescribed in Chapters 1.16 and 8.12 of this code.

(Ord. 90-08-1074 § 4 (part))

#### **16.04.130 Oil advisory committee.**

For purpose of reviewing matters related to the administration of the oil code or oil field activities, generally an oil advisory committee is established. Members shall include one city councilmember, the city manager, fire chief, city engineer, planning director, redevelopment director, oil services coordinator, one member of each from the Division of Oil and Gas, the Western State Petroleum Association, California Independent Petroleum Association, two members representing unit operators and two members representing local independent producers. Meetings shall be held within ten working days after the city receives a request from at least three committee members.

(Ord. 90-08-1074 § 4 (part))

# Chapter 16.08

## DEFINITIONS

---

### Sections:

- 16.08.010 Definitions generally.
- 16.08.020 Abandonment.
- 16.08.030 Agency.
- 16.08.035 Annuli.
- 16.08.040 Approved.
- 16.08.045 Area of development.
- 16.08.050 Attended.
- 16.08.060 Cellar.
- 16.08.070 City.
- 16.08.080 Completion of drilling, redrilling, and reworking.
- 16.08.090 Department.
- 16.08.100 Derrick.
- 16.08.110 Desertion.
- 16.08.120 Developed area.
- 16.08.130 Director.
- 16.08.140 D.O.G.
- 16.08.150 Drill or drilling.
- 16.08.160 Drill site.
- 16.08.170 Enhanced recovery.
- 16.08.180 Existing well.
- 16.08.190 Idle well.
- 16.08.200 Injection well.
- 16.08.210 Inspector.
- 16.08.215 Landed liner.
- 16.08.220 Lessee.
- 16.08.230 Lessor.
- 16.08.240 Maintenance.
- 16.08.250 New well.

- 16.08.260 Oil.
- 16.08.270 Oil operation.
- 16.08.280 Oil operation site.
- 16.08.290 Oil services coordinator.
- 16.08.300 Operator.
- 16.08.310 Outer boundary line.
- 16.08.320 Owner.
- 16.08.330 Permittee.
- 16.08.340 Petroleum.
- 16.08.350 Premises.
- 16.08.360 Redrilling.
- 16.08.370 Rework.
- 16.08.380 Reabandonment.
- 16.08.390 Servicing.
- 16.08.400 Structure.
- 16.08.410 Sump or shaker pit.
- 16.08.420 Tank.
- 16.08.430 Tank battery.
- 16.08.440 Tank farm.
- 16.08.450 Well or oil well.
- 16.08.460 Well servicing.
- 16.08.470 Well site.

#### **16.08.010 Definitions generally.**

The words, phrases, and terms set forth in this chapter, wherever used in this city of Signal Hill oil code, shall have the meanings set forth in this chapter.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.020 Abandonment.**

"Abandonment" means the permanent plugging of a well, pipeline, or other facility in accordance with the requirements of the California Division of Oil and Gas, the removal of all equipment related to the well, and includes the restoration of the drill or well operation site as required by these regulations.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.030 Agency.**

"Agency" shall mean the Signal Hill redevelopment agency.

(Ord. 90-08-1074 § 4 (part))

**16.08.035 Annuli.**

The plural of annulus, which is the space between two concentric objects (objects with a common center), such as between the wellbore and casing or between two different strings of casing, where fluid can flow.

(Ord. 2015-05-1475 § 3 (part))

**16.08.040 Approved.**

"Approved" means approved by the authority having jurisdiction as assigned in this code, or by the written designee of such authority.

(Ord. 90-08-1074 § 4 (part))

**16.08.045 Area of development.**

A. New development. In the case where a structure or structures is/are proposed on a vacant parcel, or in the case where subdivision of a parcel is proposed, or in the case of a phased development proposed to occur on several parcels in phases, the "Area of Development" is the entire proposed site, including the entire area of each and every parcel involved. For purposes of this chapter, this area shall also be referred to as the "Site," but in no case shall include area outside the property boundaries.

B. Additions to existing development. In the case of an addition to an existing structure, or construction of new structures on a parcel with existing structures, the "Area of Development" is (i) the portion of the Site which is within, or within ten (10) feet of, the area disturbed for grading as shown on a preliminary grading plan; or (ii) the portion of the Site lying under or within ten (10) feet of any addition or new structure built as a part of the project where no grading plan is required.

Ord. 2015-05-1475 § 3 (part)

**16.08.050 Attended.**

"Attended" means guarded, monitored, or otherwise observed by a person who is situated close enough to petroleum operating facilities so that he may observe the operation, and activities of other persons in or near such facilities.

(Ord. 90-08-1074 § 4 (part))

**16.08.060 Cellar.**

"Cellar" means an excavation around or above the top joint of the casing in a well.

(Ord. 90-08-1074 § 4 (part))

**16.08.070 City.**

"City" means the City of Signal Hill.

(Ord. 90-08-1074 § 4 (part))

**16.08.080 Completion of drilling, redrilling, and reworking.**

"Completion of drilling, redrilling, or reworking" is deemed to occur, for the purpose of this code, sixty days after the drilling crew has been released unless drilling, testing, or remedial operations are

resumed before the end of the sixty-day period. The drilling crew is released within the meaning of this section when work at the well is suspended, either temporarily or permanently.

(Ord. 90-08-1074 § 4 (part))

**16.08.090 Department.**

"Department," unless specified otherwise, means the department of planning.

(Ord. 90-08-1074 § 4 (part))

**16.08.100 Derrick.**

"Derrick" means any framework, tower, or mast together with all parts of and appurtenances to such a structure including any foundations, pumphouse, pipe racks, and each and every party thereof which is or are required or used or useful for the drilling for and the production of oil, gas, or other hydrocarbons from the earth, except tanks used for storage purposes.

(Ord. 90-08-1074 § 4 (part))

**16.08.110 Desertion.**

"Desertion" means the cessation of operations at a drill site for sixty days or more without compliance with the provision of this title.

(Ord. 90-08-1074 § 4 (part))

**16.08.120 Developed area.**

"Developed area" means any area with at least three occupied structures located within one hundred feet of each other, and all surrounding property within three hundred feet of the structures.

(Ord. 90-08-1074 § 4 (part))

**16.08.130 Director.**

"Director," unless specified otherwise, means the planning director or his designated representative.

(Ord. 90-08-1074 § 4 (part))

**16.08.140 D.O.G.**

"D.O.G." means the Division of Oil, Gas, and Geothermal Resources of the Department of Conservation of the state of California, also referred to in this code as "DOGGR".

(Ord. 2013-07-1459 § 4; Ord. 2013-07-1460 § 4; Ord. 90-08-1074 § 4 (part))

**16.08.150 Drill or drilling.**

"Drill" or "drilling" means to dig or bore a well for the purpose of exploring for, developing, or producing oil, water, gas, or other hydrocarbons; or for the purpose of injecting water, steam, or other fluid or substance into the earth, but excluding any well drilled solely for the production of drinking water.

(Ord. 2015-05-1475 § 3 (part); Ord. 90-08-1074 § 4 (part))

**16.08.160 Drill site.**

"Drill site" means that surface area used for drilling a well or wells and the surrounding area for the safe operations thereof.

(Ord. 90-08-1074 § 4 (part))

**16.08.170 Enhanced recovery.**

"Enhanced recovery" means any production method which involves the injection of water, gas, steam, or any other fluid or chemical into the earth for the purpose of producing oil or other hydrocarbons.

(Ord. 90-08-1074 § 4 (part))

**16.08.180 Existing well.**

"Existing well" means any well that was drilled and capable of operating on the effective date of this ordinance codified in this title.

(Ord. 90-08-1074 § 4 (part))

**16.08.190 Idle well.**

"Idle well" a well shall be deemed to be an idle well if the well does not produce an average of two barrels of oil per day or one hundred cubic feet of gas per day for a continuous six month period during any consecutive five-year period prior to or after January 1, 1991, except that an active water injection well shall not be classified as an idle well.

(Ord. 90-08-1074 § 4 (part))

**16.08.200 Injection well.**

"Injection well" means a well or converted producing well used for the purpose of injecting water, wastewater, brines, hydrocarbons, gas, steam, or any other substances for the purpose of enhanced recovery, repressurization, or disposal, whether under pressure, gravity, or vacuum.

(Ord. 90-08-1074 § 4 (part))

**16.08.210 Inspector.**

"Inspector" means the oil services coordinator or any designated City employee or duly qualified authorized representative assigned responsibility for enforcement of this code.

(Ord. 90-08-1074 § 4 (part))

**16.08.215 Landed liner.**

A positioned casing (steel pipe) string that does not extend to the top of the wellbore, but instead is anchored or suspended from inside the bottom of the previous casing string.

(Ord. 2015-05-1475 § 3 (part))

**16.08.220 Lessee.**

"Lessee" means a person, company, or corporation that possesses the right to develop and produce petroleum or natural gas resources.

(Ord. 90-08-1074 § 4 (part))

**16.08.230 Lessor.**

"Lessor" means the owner of the surface or mineral rights subject to a petroleum lease.

(Ord. 90-08-1074 § 4 (part))

**16.08.240 Maintenance.**

"Maintenance" or "maintain" means the repair or replacement of machinery, equipment, apparatus, structure, facilities and parts thereof, used in connection with an oil operation or drill, as well as any other work necessary to reduce fire hazards or hazards to employees or to preserve the appearance of the facilities and to reduce public health and safety hazards including the maintenance of ongoing oil operations and the maintenance of grounds, landscaping, painted structures and appurtenant facilities.

(Ord. 90-08-1074 § 4 (part))

**16.08.250 New well.**

"New well" means a new well bore or well hole established at the ground surface and shall not include redrilling or reworking of an existing well.

(Ord. 90-08-1074 § 4 (part))

**16.08.260 Oil.**

"Oil" means crude oil and includes petroleum, oil, gas, or other hydrocarbon liquids or solids.

(Ord. 90-08-1074 § 4 (part))

**16.08.270 Oil operation.**

"Oil operation" means the use or maintenance of any installation, facility, or structure used, either directly or indirectly, to carry out or facilitate one or more of the following functions: drilling, redrilling, reworking and repair, production, enhanced recovery, extraction, stimulation, abandonment, processing, storage, or shipping of oil or gas or other hydrocarbon substances or processing.

(Ord. 90-08-1074 § 4 (part))

**16.08.280 Oil operation site.**

"Oil operation site" means the physical location where oil operations consisting of dehydration and storage facilities and pumping units are allowed and conducted.

(Ord. 90-08-1074 § 4 (part))

**16.08.290 Oil services coordinator.**

"Oil services coordinator" means the inspector, or his designated representative.

(Ord. 90-08-1074 § 4 (part))

**16.08.300 Operator.**

"Operator" means the person, firm, corporation, partnership, or association, whether proprietor, lessee, or individual contractor actually in charge and in control of the drilling, maintenance, operation of a well, wells, or lease, for producing, refining, or storing petroleum or other hydrocarbons substances.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.310 Outer boundary line.**

"Outer boundary line" means the exterior limits of the land included within the lease or unit comprising several contiguous parcels of land in one or different ownerships which are operated as a single petroleum lease or operating unit. In determining the continuity of any such parcels of land, no public right-of-way lying within the lease or unit shall be deemed to interrupt such contiguity.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.320 Owner.**

"Owner" shall mean a person, firm, corporation, partnership, or association who owns mineral rights in land or a legal or equitable title in or right to occupy the surface of a drill or site, well site, or oil operation site.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.330 Permittee.**

"Permittee" means the party having a valid permit for oil operations as required under this title.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.340 Petroleum.**

"Petroleum" means and includes any and all hydrocarbon substances including but not limited to crude oil, natural gas, natural gasoline, and other related substances.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.350 Premises.**

"Premises" means the area within the outer boundary line of any oil operation site.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.360 Redrilling.**

"Redrilling" means any drilling operation, including horizontal deviation from original well bore more than five hundred feet, to recomplete the well in the same or different zone.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.370 Rework.**

"Rework" means any work that causes a significant change to the existing casing of a well bore. This includes any work which results in a mechanical change to the well, as determined and requiring approval by D.O.G., including but not limited to sidetracking of existing liners, liner removal, under-reaming, deepening, reperforating present producing zones, perforating new zones, milling, and sleeving of existing casings and water shutoff. Rework does not include abandonment, reabandonment well servicing, bailing, swedging, washing, scratching, or acidizing existing liners, rolling, or squeeze jobs in producing intervals.

(Ord. 90-08-1074 § 4 (part))

#### **16.08.380 Reabandonment.**

"Reabandonment" means the same as abandonment.

(Ord. 90-08-1074 § 4 (part))

**16.08.390 Servicing.**

"Servicing" includes routine maintenance and operation of any facility which does not involve reworking or redrilling.

(Ord. 90-08-1074 § 4 (part))

**16.08.400 Structure.**

"Structure" means anything constructed or built, a tank, any edifice, or building of any kind, as regulated by Title 15 of this code.

(Ord. 90-08-1074 § 4 (part))

**16.08.410 Sump or shaker pit.**

"Sump" or "shaker pit" shall mean any lined pit or tank used for the collection and separation of production streams or wastes.

(Ord. 90-08-1074 § 4 (part)).

**16.08.420 Tank.**

"Tank" means any container, used or designed to be used in conjunction with drilling, production, processing, refining, or storing oil, gas, or other hydrocarbon liquids or solids.

(Ord. 90-08-1074 § 4 (part))

**16.08.430 Tank battery.**

"Tank battery" means a collection of production-related tank facilities. "Tank battery" includes the area around the tanks enclosed by a berm, dike, fence or wall and a ten foot wide setback on the exterior side of the berm, dike, fence or wall. Also means tank farm.

(Ord. 90-08-1074 § 4 (part))

**16.08.440 Tank farm.**

"Tank farm" means a collection of tanks.

(Ord. 90-08-1074 § 4 (part))

**16.08.450 Well or oil well.**

"Well" means a hole drilled into the earth for the purpose of exploring for and producing oil or gas, for the purpose of injecting liquids or gas for stimulating oil or gas recovery, repressurizing, or pressure maintenance of oil or gas reservoirs, or disposing of oil field waste fluids.

(Ord. 90-08-1074 § 4 (part))

**16.08.460 Well servicing.**

"Well servicing" means and includes the remedial or maintenance work performed within an existing well which does not involve redrilling or reworking.

(Ord. 90-08-1074 § 4 (part))

## **16.08.470 Well site.**

"Well site" means that surface area used for oil or gas extraction operations or for injection purposes after drilling is completed. "Well site" includes the area around a well enclosed by protective fence or wall and a ten foot wide setback on the exterior side of the fence or wall.

(Ord. 90-08-1074 § 4 (part))

## **Chapter 16.12**

### **PERMITS AND BONDS**

---

#### Sections:

- 16.12.010 Permits required.
- 16.12.020 Other permits required.
- 16.12.030 Drilling or redrilling permit.
- 16.12.040 Drilling permit application procedure.
- 16.12.050 Annual well permit.
- 16.12.060 Idle well permit.
- 16.12.070 Annual rework permit.
- 16.12.080 Annual tank permit.
- 16.12.090 Annual wastewater permit.
- 16.12.100 Sewer connection permit.
- 16.12.110 Building permits required--Annual electrical permits.
- 16.12.120 Abandonment or reabandonment permit.
- 16.12.130 Fees.
- 16.12.140 Fees--Late fee.
- 16.12.150 Fees--Constitute lien.
- 16.12.160 Fees--Liability for payment.
- 16.12.170 Permit validity period.
- 16.12.180 Transfer.
- 16.12.190 Bond.
- 16.12.200 Form of bonds.
- 16.12.210 Notice of default in performance conditions.
- 16.12.220 Substitution of bonds.
- 16.12.230 Exoneration.

16.12.240 Type of insurance.

16.12.250 Indemnification.

**16.12.010 Permits required.**

A. No person shall erect, construct, enlarge, alter, remove, demolish, or use within the city any structure, appurtenant equipment, or tank proposed, intended to be used, or used for or in connection with the drilling for or production of oil, gas, or other hydrocarbon substances, including the fixed storage of such substances without first obtaining a permit, pursuant to the provisions of this chapter and title.

B. A separate permit shall not be required for well servicing or maintenance, provided that all other permits required in this title have been first obtained.

(Ord. 90-08-1074 § 4 (part))

**16.12.020 Other permits required.**

The permits required by this title are in addition to and are not in lieu of any permit which may be required by other provisions of the Signal Hill Municipal Code or by other governmental agencies.

(Ord. 90-08-1074 § 4 (part))

**16.12.030 Drilling or redrilling permit.**

No person shall drill or redrill any well without first obtaining a permit, herein referred to as a drilling permit from the D.O.G and the city.

(Ord. 90-08-1074 § 4 (part))

**16.12.040 Drilling permit application procedure.**

A. Prior to the issuance of a drilling permit, as required by Section 16.12.030, applicants shall submit to the inspector an application form as provided by the city and the following information and accompanying material:

1. A complete legal description of the property.
2. Site plans, drawn to scale, containing the following information:
  - a. The boundaries and dimensions of the proposed drill site,
  - b. All existing and proposed buildings and structures or appurtenant facilities and their location, size, height and use on the site including, but not limited to, wells, tanks, dikes, pipelines, heaters, storage sheds, and the location of all pipelines,
  - c. Yards and spaces between buildings, structures, and appurtenant facilities,
  - d. Walls and fences and their location, height, and component materials,
  - e. Off-street parking locations, number of spaces, dimensions of parking area, and internal circulation pattern,
  - f. Pedestrian, vehicular, and service access; points of ingress and egress; and internal circulation,
  - g. Signs and their location, size, height, materials, and lighting,
  - h. Lighting locations and nature and hooding devices,

- i. Location and width of existing and proposed public rights-of-way and private access roads,
- j. A landscaping and irrigation plan, including a landscape program and agreement assuring performance thereunder,
- k. A contour map showing topography and proposed grading for the drill site. An erosion control plan shall also be provided to guarantee protection of public property and adjacent private property from dirt, water, dust, debris, and erosion from the drill site,
- l. A vicinity map showing the proximity of the drill site to any building used for human occupancy within a three hundred foot radius.

The applicant shall not be required to file any site plan within an area for which a plot plan has been previously filed unless existing tanks, fences, or other facilities and appurtenant structures are to be relocated or new tanks, fences, or other facilities and appurtenant structures are proposed;

3. A brief description of the manner in which the oil will be produced and transported if the drilling operation is successful;
4. Information concerning the source, quantity, and quality of water to be utilized in the drilling production program, the manner in which the water will be transported and stored on site, and the method of disposal of wastewater and other drilling wastes, including the location of backflow preventers;
5. A complete set of engineered drawings and specifications for all structures (other than drilling derricks, drilling masts, and blow-out equipment required by D.O.G.), tanks, mechanical and electrical systems, and high pressure systems used in drilling operations; provided that plans and specifications already on file with the city need not be resubmitted;
6. An oil spill contingency plan that specifies the location, type of cleanup equipment, description of responsibilities for monitoring equipment, disposition of wastes, and reporting incidents;
7. A phasing plan for the staging of the drilling operations, including but not limited to, an estimated timetable for project construction, operation, completion, and abandonment, as well as location and amount of land reserved for future expansion;
8. Copies of all other required permits, including but not limited to those required by D.O.G., the Long Beach fire department, Los Angeles County of Health Services, Los Angeles County Sanitation District, the Regional Water Quality Control Board and the South Coast Air Quality Management District;
9. An acoustical study prepared by a qualified acoustical engineer documenting existing ambient noise levels over a twenty-four-hour period on the drill site and within a three-hundred-foot radius;
10. Engineered public improvement plans for work, if any, in the right-of-way when required. A public works street, sewer, or water improvement bond will be required in a form and amount approved by the city engineer;
11. A faithful performance bond in conformity with the provisions contained in Sections 16.12.200 and 16.12.210;
12. Verification of liability insurance in conformity with the provisions contained in Section 16.12.240;
13. A verified statement signed by the applicant that he is duly authorized by the property owner to make and file the application, and that he has read the application and the same is true and correct;
14. The name, address, and phone number of the operator and the designated operator upon whom all notices provided by this title may be served.

B. The director may, in his sole discretion, upon finding either of the following circumstances exist with respect to the application, waive the items in subsection (A) of this section except that neither subdivisions (11), (12) and (13) of subsection (A) of this section nor the requirements contained in Section 16.16.020 of this title shall be waived in any event:

1. Certain information accompanying materials required in subsection (A) are not needed because the information is already on file with the city in conjunction with prior approvals;

2. The nature and location of a redrill does not necessitate the information or accompanying material. Criteria for waiver of information shall include but not be limited to existing land use patterns, proximity to surrounding buildings and structures, current physical condition of site, proposed size of drill site and type of operation proposed.

C. The inspector shall review all applications and information submitted pursuant to subsection (A) of this section to determine if these items are complete. Upon a determination that they are complete, the applications shall be reviewed by the city engineer and director of planning and approved or approved with conditions. In areas where a conditional use permit is required, said permit shall first be approved by the planning commission or the city council as the case may be.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.050 Annual well permit.**

A. Permit term. On the first day of January next succeeding the issuance of a drilling permit and prior to the first day of January of each year thereafter, until the well has been abandoned, as provided in this title, an annual well permit must be obtained from the city for each well, including injection wells, whether active or inactive except for idle wells.

B. Non-compliance. No permit shall be issued to an operator who has failed to comply with the applicable regulations of this title.

C. Bonds and insurance. That evidence also be provided of performance bonds, pursuant to Section 16.12.190, liability insurance, pursuant to Section 16.12.240, and indemnification pursuant to Section 16.12.250.

(Ord. 2015-05-1475 § 4; Ord. 90-08-1074 § 4 (part))

#### **16.12.060 Idle well permit.**

A. Annual Idle Permit. Effective January 1, 1991, no persons shall maintain an idle well within the city without obtaining an annual idle well permit from the inspector prior to the first day of January of each year.

B. Bonds and Insurance. That evidence also be provided of performance bonds, pursuant to Section 16.12.190, liability insurance, pursuant to Section 16.12.240, and indemnification pursuant to Section 16.12.250.

(Ord. 2015-05-1475 § 4; Ord. 90-08-1074 § 4 (part))

#### **16.12.070 Rework or annual rework permit.**

A. No person shall rework any well without obtaining a rework or an annual rework permit from the D.O.G. and the city.

B. A permit will be issued upon submittal by the operator of a copy of D.O.G. approval for the rework operation. Nothing shall preclude the inspector from requiring submittal and approval of additional information as may be requested, including but not limited to an acoustical study, pursuant to the requirements contained in Section 16.12.040.

C. Well servicing shall not require a rework permit.

(Ord. 90-08-1074 § 4 (part))

**16.12.080 Annual tank permit.**

A. No person shall operate more than four production related tanks on any oil operation site or oil leasehold area contained within the outer boundary line as defined herein without obtaining an annual tank permit from the inspector prior to the first day of January of each year.

B. The operator of any oil production tank facility shall submit with the application for tanks more than four tanks, fees, the name, address, and phone number of a designated agent upon whom may be served any notice provided by this title.

C. Tanks not capable of holding fluids shall be removed or made serviceable.

D. Provisions of this section shall not apply to refinery, tank farm or unit facilities tanks.

(Ord. 90-08-1074 § 4 (part))

**16.12.090 Annual wastewater permit.**

Wastewater shall not be discharged into the city's sanitary sewer system unless an annual industrial waste permit has been issued by the city per Chapter 13.06 of this code.

(Ord. 90-08-1074 § 4 (part))

**16.12.100 Sewer connection permit.**

There shall be no connection to any city sewer lateral or main until a sewer connection permit has been obtained from the city.

(Ord. 90-08-1074 § 4 (part))

**16.12.110 Building permits required--Annual electrical permits.**

A. Except for routine operating maintenance or well servicing, no person shall erect, construct, enlarge, alter, move, remove, convert or demolish any structure, or tank, or appurtenance on any oil operations site or cause the same to be done, without first obtaining all permits required pursuant to Title 15 of this code.

B. Annual Electrical Permit. In lieu of individual electrical permits for each electrical repair or alteration as may be required to maintain oil production facilities including tank farms, refineries, and loading facilities, operators may obtain and an annual electrical permit subject to annual review by the city.

(Ord. 90-08-1074 § 4 (part))

**16.12.120 Abandonment or reabandonment permit.**

No abandonment, reabandonment, or other alteration shall be made into or on a previously abandoned oil, gas, or injection well in the city unless ordered by D.O.G. until a permit and inspection fee for such work has been approved and issued by the inspector.

(Ord. 90-08-1074 § 4 (part))

**16.12.130 Fees.**

A. All permit fees and deposits shall be set in the amounts prescribed by resolution of the city council.

B. Such permit fees shall not exceed the estimated reasonable cost of providing the services required by the city to fully effectuate and implement this chapter and shall be levied and collected in accordance with all requirements of state law.

C. Permit fees payable under this chapter shall not be refundable in whole or in part.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.140 Fees--Late fee.**

If any fee required to be paid in this chapter is not paid within thirty days from the time it becomes due or from the billing date, whichever is later, and payable, the same shall become delinquent, and a late fee shall be added thereto for each month for such delinquency, and shall be collected as part of such fee. The amount of the late fee shall be as prescribed by resolution of the city council.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.150 Fees--Constitute lien.**

Each and all of the delinquent fees required by this chapter shall constitute a lien upon the related production well, idle well, appurtenant equipment and storage facilities for which permits provided in this chapter are required, and upon the property upon which the facility is located.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.160 Fees--Liability for payment.**

Each of the persons whose duty it is to obtain any permit shall be declared and made to be jointly and severally liable for payment of the fee required to be paid.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.170 Permit validity period.**

A. All permits, with the exception of required annual permits, issued pursuant to provisions contained in this chapter shall not be valid unless utilization of the privileges granted are commenced within one year from and after the date of issuance of the permit, or if after commencement, such activity is suspended or abandoned at any time for a one year period of time.

B. The provisions of this section shall not apply to permits issued pursuant to Title 15 of this code.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.180 Transfer.**

No permit issued under this chapter may be assigned or otherwise transferred without first obtaining the written approval of the oil services coordinator, and any such assignment or transfer made or attempted to be made without such written approval shall be null and void and is without any force or effect whatsoever. The oil services coordinator shall approve of the assignment or transfer upon verification that the leasehold is in compliance with all provisions of the code. Transfer or assignment shall not be made if the permit holder is in violation of any provision of this municipal code.

(Ord. 90-08-1974 § 4 (part))

#### **16.12.190 Bond.**

A. Each operator as herein defined shall post a faithful performance bond or bond rider for all operations under this chapter including but not limited to: drilling, redrilling, servicing, maintenance of oil field sites, pipelines and appurtenant facilities, landscaping, tanks, fences.

This faithful performance bond shall be in addition to any public works improvement bonds required by other provisions of the municipal code or statute of the state of California.

B. Bonds existing on the effective date of the ordinance codified in this title which are in compliance with the previous Signal Hill Oil Code shall remain in effect according to their terms, and need not be raised to the bond amount contained in Section 16.12.200.

C. Cash deposits or certificates of deposit may be accepted in lieu of required bonds if provided in a form satisfactory to the city attorney and the finance director.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.200 Form of bonds.**

A. Bonds or riders to existing bonds shall be on a form approved by the city attorney and shall be filed with the department of finance. Bonds shall be issued by a corporate surety authorized to do business in the State of California with a Best's minimum policyholder rating of "A" status or better, and a Best's financial category minimum rating of Class 9 status or better, as rated by the most recent edition of Best's Key Rating Guide, or a surety approved by the D.O.G. or as otherwise approved by the city in the event such rating system is modified. The principal amount of any bonds specified may be increased by the city to reflect inflation, increased risk of losses and other factors.

B. Single Bonds. Corporate surety bonds in the penal sum of six thousand dollars shall be executed by the operator as principal and by the authorized surety company as surety and conditioned that the principal named in the bond shall faithfully comply with this title and any other ordinance, law, rule, or regulation of the city which in any manner pertains or applies to any of the principal's drilling or redrilling activities. The bond shall secure the city against all costs, charges, and expenses, including legal costs incurred by it for the failure of the principal to fully comply with the provisions of the Signal Hill Municipal Code. The bond shall include the correct name or number of the well and the surveyed location as recorded by D.O.G.

C. Blanket Bonds. Any operator may, in lieu of filing a single bond for each well, as required by subsection (B) of this section, file a bond in the amount of twenty five thousand dollars to cover all of this operations conducted within the city. A rider to said bond shall be filed with the department of finance showing the correct name or number of the well and the surveyed location as recorded by D.O.G. for each well covered by the bond.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.210 Notice of default in performance conditions.**

A. Notice Required. Whenever the inspector finds that a default has occurred in the performance of any drilling or redrilling requirement or condition of the Signal Hill Municipal Code, a written notice shall first be issued to the operator or the authorized agent. If no response is received within fifteen days a notice shall first be issued to the operator of the authorized agent. If no response is received within fifteen days, a written notice shall be given to the principal and to the surety of the bond.

B. Contents of Notice. Such notice shall specify the work to be done, the estimated cost thereof, and the period of time deemed by the department to be reasonably necessary for the completion of such work.

C. After receipt of such notice, the surety shall, within the time therein specified, cause the work to be performed, or failing therein, shall pay the director of finance one hundred twenty-five percent of

the estimated cost of doing the work as set forth in the notice, but not exceeding the amount of the bond.

D. Upon receipt of such monies, the department and/or oil services coordinator may in such a manner as it may deem convenient to cause the required work to be performed and completed.

E. In the event the surety does not cause the work to be performed and fails or refuses to pay over to the city the estimated cost of the work to be done as set forth in the notice, the city may proceed to obtain compliance by way of civil action against the surety or by criminal action against the principal, or by both methods.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.220 Substitution of bonds.**

A substitution bond may be filed in lieu of any bond on file hereunder, and the department of finance may accept and file the same if it is qualified and in proper form and substance and approved by the finance director and the city attorney and the bond for which it is substituted shall be exonerated but only if the oil services coordinator finds that all of the conditions of last-mentioned bond have been satisfied and that no default exists as to the performance upon which the bond is conditioned.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.230 Exoneration.**

Any bond issued for drilling or redrilling shall be terminated and canceled and the surety be relieved of all obligations thereunder when the work has been fully and finally abandoned in conformity with all regulations of this title and in conformity with all regulations of D.O.G.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.240 Type of insurance.**

A. Operators shall maintain a comprehensive general liability insurance policy, including coverages for: sudden and accidental pollution including the cost of environmental restoration; underground resources coverage and completed operations. The policy shall insure the city against all costs, charges and expenses incurred by it for clean-up of sudden and accidental pollution. The insurance policy shall name the city as an additional insured for third party liabilities arising from any oil operations insured under the certificate during the period of coverage. The insurance deductible must be no greater than ten thousand dollars. The policy shall provide for a thirty day cancellation notice to the city in the event the policy will be terminated for any reason except nonpayment of premium in which case the notice period shall be ten days. The policy shall be in an amount equal to one million dollars per occurrence.

B. Self-insurance. Notwithstanding the foregoing requirements for insurance, no such insurance policy shall be required if the grantee customarily self-insures the risks covered by the required insurance, and has presented to the city:

1. A certification evidencing such facts, which certification has been approved by the city as sufficient and by the city attorney as to form, to which is attached the following agreement:

In consideration of City allowing permittee to self-insure the risks in lieu of a policy of liability insurance, operator agrees to indemnify and keep and save free and harmless and defend the City, its officers and employees from and against any and all loss, claims, or demands of any kind or nature whatsoever for death, injury, or loss to persons or damage to property, including property or facilities owned by the City, its officers or employees, or any of them, which any person may sustain or incur or which may be imposed upon them, or any of them, arising out of, or in any manner incident to

operator's operations authorized by, pursuant to, or in furtherance of any of the activities covered by the permit.

2. Certified financial statements showing the financial condition of the operator as of a date of more than one year prior to operator's application for the permit, which statement has been certified by a certified public accountant by operator's proper officials to be true and correct and which reflects a net worth of the operator in excess of five times the amount of limits of liability as established herein. The statement must be approved by the city as to sufficiency and by the city attorney as to form.

(Ord. 90-08-1074 § 4 (part))

#### **16.12.250 Indemnification.**

The operator shall indemnify, defend and hold the city, and their elected officials, officers, agents, and employees free and harmless from all actions, suits, claims, demands, liability, costs, and expense, including prosecution claimed or established against them, or any of them, for damage or injuries to persons or property of whatsoever nature, arising out of or in connection therewith:

A. The acts or omissions of operator, its servants, agents, or employees, or to which operator's negligence shall in any way contribute;

B. Arising out of the operator's failure to comply with the provisions of any federal, state, or local statute, ordinance, or regulation applicable to the operator in its business hereunder.

(Ord. 90-08-1074 § 4 (part))

## **Chapter 16.16**

### **DRILLING STANDARDS**

---

#### Sections:

- 16.16.010 Drilling prohibited.
- 16.16.020 Drilling permitted in specific zones.
- 16.16.030 Setbacks and minimum drill site dimensions.
- 16.16.040 Drill site grading, drainage, and surfacing.
- 16.16.050 Off-street parking.
- 16.16.060 Sanitary facilities.
- 16.16.070 Derricks.
- 16.16.080 Signs.
- 16.16.090 Blow-out prevention.
- 16.16.100 Cellars.
- 16.16.110 Soundproofing.
- 16.16.120 Sound materials and construction.
- 16.16.130 Noise control--General.

- 16.16.140 Drill site fencing and walls.
- 16.16.150 Off-site public improvements.
- 16.16.160 Landscaping.
- 16.16.170 Waste and refuse removal and control.
- 16.16.180 Special conditions--All petroleum operations.
- 16.16.190 Well completion or abandonment.

#### **16.16.010 Drilling prohibited.**

No person, firm, or corporation shall drill any new well or wells with the surface location in any residential zoning district within the city. The provisions of this section shall not apply to establish drill sites with a conditional use permit approved by the city council prior to the effective date of the ordinance codified in this chapter, to redrilling, and to future well consolidation projects which may be approved subject to a conditional use permit approved by the city council.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.020 Drilling permitted in specific zones.**

A. A well(s) may be drilled in any zoning district, with the exception of a residential zoning district, subject to approval of a conditional use permit pursuant to Section 20.08.060 and Chapter 20.64 of this code and compliance with all requirements contained in this title.

B. Redrilling shall be permitted in any zoning district subject to written approval from the director verifying compliance with all requirements contained in this title and the following conditions:

1. Written verification from the operator that the well is bottomed within the boundaries of the leased properties or outer boundary;
2. Approval from D.O.G. that the well is in compliance with all state requirements;
3. Neighborhood noticing requirements have been completed in accordance with Section 16.20.210.

(Ord. 99-08-1261 § 1; Ord. 90-08-1074 § 4 (part))

#### **16.16.030 Setbacks and minimum drill site dimensions.**

A. No new drill site shall have a dimension less than two hundred feet in any direction unless the minimum dimension is reduced by the director. Upon a written request from the operator, the oil services coordinator may reduce the minimum dimension to not less than the height of the proposed drilling derrick, and may impose additional conditions he may deem necessary to protect the public health, safety, and general welfare, upon finding that both of the following conditions are met:

1. That the reduced minimum dimension will not be materially detrimental to the public welfare or injurious to adjacent property.
2. Because of special circumstances applicable to the property, including size, shape, topography, location, or surrounding buildings, the strict application of the two hundred foot dimension would deprive such property of privilege enjoyed by other property in the vicinity.

B. No well shall be drilled where the center of the well bore, at ground surface, will be less than the following prescribed distances:

1. Fifty feet to any adjacent interior property line not part of an oil and gas surface leasehold;

2. One hundred feet from a non-oil-related building for human occupancy;
3. One hundred feet from existing tanks, tank farms, or tank batteries used for storage of flammable materials;
4. Seventy-five feet from any public right-of-way shown on the city's official plan lines map, general plan, or any specific plan;
5. Three hundred feet from any place of public assemblage, institution, hospital, or school;
6. Two hundred feet from any public park.

C. The oil services coordinator may suspend any provision contained in subsections (A) or (B) of this section for a redrill in whole or part, if the oil services coordinator deems such provisions or requirements unnecessary; provided; that in such event the oil services coordinator may impose additional conditions on a redrill as he deems necessary to protect the public health, safety, and general welfare. Such conditions may include, but shall not be limited to, the following:

1. Installation of special guy wire supports during the redrilling operation;
2. Installation of acoustical blankets or panels around drilling equipment.

D. No structures shall be constructed closer than fifty feet to the center of a well other than buildings necessary for oil production, except that the distance of separation between a building and a well may be reduced to thirty-five feet if all walls of the building are of two-hour fire resistive construction and have no openings.

E. With the exception of engines used in the drilling or servicing of wells no internal combustion engine, storage, tank or boiler, fired heater, open flame device, or other source of ignition, except welding supervised by the operator, shall be located within twenty-five feet of any well.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.040 Drill site grading, drainage, and surfacing.**

Unless otherwise indicated on an approved grading plan, all drill site grading, drainage, and surfacing shall conform to the following:

A. Access roads and other excavations related to the drill site shall be designed, planned, and maintained so as to minimize erosion, provide stability or fill, minimize disfigurement of the landscape, and maintain natural drainage.

B. No slope of cut or fill shall have a gradient steeper than a one foot rise in a two foot horizontal measurement.

C. There shall be erosion control of all slopes, and on banks which are created by any drill site construction, so that no mud or other substances are washed onto public streets or surrounding property. This control may consist of effective planting and irrigation, check dams, cribbing, riprap, sand bagging, netting, berms, or other devices or methods to control erosion previously approved for the oil operation site by the oil services coordinator pursuant to a landscape and irrigation plan submitted and approved pursuant to this title and Chapter 20.52 of this code.

D. Drainage facilities, including but not limited to concrete catchbasins, swales, interceptor drains, or clarifiers shall be designed and installed as necessary to contain all mud or other substances on the drill site.

E. Prior to any drilling equipment, sub-bases, derricks, or pertinent equipment being placed on any drill site, all private roads used for access to the drill site and the drill site itself shall be temporarily

surfaced and maintained with crushed rock, gravel, or decomposed granite or other materials approved by the city to control dust, mud, erosion, and drainage.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.050 Off-street parking.**

Prior to commencement of drilling or redrilling operations, an off-street parking area containing not less than five parking spaces shall be provided on the drill site or leasehold, subject to review and approval of the director for each well being drilled and shall be surfaced and maintained consistent with provisions contained in Section 16.16.040 of this chapter.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.060 Sanitary facilities.**

Prior to commencement of drilling or redrilling operations, sanitary facilities shall be installed at any drill site where personnel will be permanently stationed. Portable sanitary facilities shall be provided wherever crews are temporarily employed in accordance with standards of the Los Angeles County Health Department.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.070 Derricks.**

A. All derricks and masts used for drilling, redrilling, rework operations, or production operations shall be constructed, maintained and operated consistent with California Division of Industrial Safety and OSHA Standards, and shall be at least equivalent to the standards and specifications of American Petroleum Institute (A.P.I.) as they presently exist or may be amended hereafter. Deviations from A.P.I. standards may be made upon approval by the city engineer of alternate plans.

B. All derricks or masts, standard or portable, which are used in either drilling, redrilling, rework operations, or for use in production or servicing operations, within two hundred feet of a public right-of-way, building or residence, shall have derrick crown(s) shrouded to prevent oil and water spraying into the air.

C. All derricks and masts hereafter erected for drilling, redrilling or rework operations, shall be removed within thirty days after completion of the work unless otherwise ordered by the Director of D.O.G.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.080 Signs.**

A. A legible, permanent sign shall be prominently displayed and maintained at all entrances to the drill site or leasehold. Such signs shall be maintained until drilling equipment is removed or drilling operations are completed. Each sign shall contain the following information:

1. The name of the drilling contractor;
2. The name of the owner or operator;
3. The name of the lease and name and number of the well;
4. A current telephone number of persons on twenty-four hour call for emergencies.

B. A readily visible sign of durable material designating the well name and number shall also be posted on or near each and every well within the drill site or leasehold pursuant to provisions contained in Section 16.20.060 of this title.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.090 Blow-out prevention.**

A. Upon cementing of the surface string of casing and prior to drilling out the shoe of said string, blow-out prevention equipment shall be provided, tested, and approved by D.O.G. In accordance with most recent D.O.G. requirements. Such equipment shall be capable of being operated from the driller's station and from another remote station. Redrill and rework operations shall be equipped with blow-out prevention equipment at the onset of operations in accordance with the most recent requirements of D.O.G.

B. Blow-out prevention equipment shall be maintained in good condition and shall be required to be tested at intervals as requested by D.O.G.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.100 Cellars.**

The following requirement shall apply to cellars:

A. Every cellar shall be constructed in accordance with Title 15 of this code or with the most current American Petroleum Institute (A.P.I.) and California Division of Industrial Safety Standards, whichever are more restrictive.

B. Cellars shall be kept free of all oil, water, or debris at all times. During drilling and redrilling, the cellar shall be kept free of excess fluids by a pump which either discharges into a waste tank, mud pit, vacuum truck, or other approved disposal system.

C. Multiwell cellars exceeding three feet in depth and twenty-five feet in length shall have two means of entrance and exit and an additional exit for every fifty feet in length thereafter. At least one means of entrance or exit for all multiwell cellars of twenty-five feet in length shall be a stairway constructed to California Division of Industrial Safety standards.

D. Single cellars shall be covered with open grating and have no openings larger than three inches at any point. Covers shall be capable of supporting vehicle weight or be guardrailed to prevent vehicle access.

E. Openings for ladders through grating shall be designed to allow exit from underside without obstruction, and shall be kept free of storage of any type. Said opening shall not be less than twenty-four inches on any side.

F. All bolts for blow-out prevention flanges and kill valves at casing head shall be kept free of fluids to allow for routine inspection at any time.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.110 Soundproofing.**

A. If drilling or redrilling operations are located within six hundred feet of an occupied building, noise sources associated with the operation shall be enclosed with soundproofing sufficient to ensure that expected noise levels do not exceed the noise limits contained in Chapter 9.16 of this code. Such soundproofing shall be installed prior to commencement of operations and may include but shall not be limited to the following:

1. Blanket covering for the first twelve feet above the working platform;
2. Blanket covering of all housing, including but not limited to, engines, pumps, and generators;

3. Additional blanket covering, including the top of rig, crown block, or at ground level when deemed necessary by the inspector.

B. Variations in soundproofing may be approved by the inspector if the permittee can demonstrate that the applicable noise standard can be met.

C. Nothing shall preclude the inspector from requiring soundproofing where a drilling, redrilling, or rework operation is more than six hundred feet from an occupied building to avoid injury to the use and enjoyment of surrounding or adjacent property or in cases where a noise complaint has verified noise levels in excess of the noise limits contained in Chapter 9.16 of this code.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.120 Sound materials and construction.**

All acoustical blankets or panels used for required soundproofing shall be of fire-proof materials, shall comply with the fire and building codes of the city and California Industrial Safety Standards, whichever are more restrictive and shall be maintained in good repair.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.130 Noise control--General.**

A. All drilling or redrilling operations shall conform to Chapter 9.16 of this code.

B. If residents in the vicinity of such operations complain to the inspector or if noise levels exceed the ambient noise levels permitted in Chapter 9.16 of this code, a notice shall be issued to the operator by the inspector.

C. Upon receipt of notice, the operator shall submit for the approval of the inspector the procedures the operator will undertake to correct the violation. Corrective measures must be initiated within forty-eight hours of operator's receipt of the notice. The inspector may require a follow-up noise field test by an acoustical engineer to ensure compliance, in which case the operator shall pay the actual costs to the city for such test.

1. Failure to comply shall be reason for the inspector to limit drilling or redrilling to daylight hours (seven a.m. to seven p.m.).

2. Nothing shall preclude the inspector from pursuing other administrative or legal remedies to obtain compliance.

D. Internal combustion engines shall only be used during drilling in those applications for which electrical motors are not appropriate and power generation for these motors require diesel or gasoline generators or engines. The inspector shall approve, at the time of issuance of the drilling or redrilling permit, these operations appropriate, in his discretion, for internal combustion engines for the period of drilling or redrilling only.

E. Exhaust muffler shall be installed and maintained in good repair on all approved gasoline or diesel engines to prevent excessive or unusual noise. Means shall also be provided on all engines to prevent the escape of flames, sparks, ignited carbon, and soot.

F. Pipe tripping and truck deliveries are prohibited except Monday through Friday, inclusive, from seven a.m. to seven p.m., and Saturday from nine a.m. to seven p.m. (See Section 16.20.100 of this title for well servicing or rework).

G. The inspector may issue a memorandum to the city manager and police chief authorizing work to be performed at times not otherwise permitted in this section only when a written request has been submitted by the operator and findings are made by the inspector that the activity is necessary to preserve the state of the oil well or to preserve life or property and that the activity will not produce

noise which will interfere with the peaceful enjoyment of persons occupying surrounding properties. Findings shall be based on the type of operation proposed including the type of equipment, the type and distance of operation from surrounding uses and the proposed hours of operations.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.140 Drill site fencing and walls.**

A. Within sixty days of completion of the first well, unless action has been initiated by the operator to abandon the well(s) according to requirements established in this title, all drill sites shall be enclosed with a chain link fence with slates or solid masonry wall eight feet high on all sides, except those sides on which exists a natural or artificial barrier of equal or greater solidity and height. Gates shall be installed and equipped with keyed locks, kept locked at all times when unattended.

B. Fencing for redrill and rework sites shall comply with all provisions contained in Section 16.20.120.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.150 Off-site public improvements.**

Within sixty days of completion of drilling for the first drill well on any site, all off-site public works improvements required by the public works department shall be completed. The provisions of this section shall not apply to redrill and rework sites.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.160 Landscaping.**

A. Within sixty days of completion of drilling for the first drill well on any site, a border of landscaping shall be installed along the periphery of the drill site to provide adequate screening for all facilities on the site, unless action has been initiated by the operator to abandon the well(s) according to requirements contained in Chapter 16.24 of this title.

B. Landscaping shall be installed and maintained in compliance with a landscape plan submitted and approved pursuant to this title and provisions of Chapter 20.52 of this code.

C. The provisions of this section shall not apply to redrill and rework sites, which shall comply with provisions contained in Section 16.20.130.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.170 Waste and refuse removal and control.**

A. Rotary mud, drill cuttings, chemicals, oil or liquid hydrocarbons, and all other oil field wastes derived or resulting from, or connected with the drilling, redrilling or rework of any well shall be discharged into an above ground steel tank, constructed per the American Petroleum Institute (A.P.I.) standards, and removed from the drill site of leasehold within thirty days from completion of drilling, redrilling or rework.

B. Open earth pits for waste disposal are prohibited.

C. Cement slurry or dry cement shall not be disposed of on the surface.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.180 Special conditions--All petroleum operations.**

In addition to any requirements of this chapter, the operator must comply with all requirements contained in Chapter 16.20.

(Ord. 90-08-1074 § 4 (part))

#### **16.16.190 Well completion or abandonment.**

Well testing for either production or injection shall be made within thirty days following drilling completion. A copy of production reports supplied to D.O.G. shall be sent to the inspector. A determination of the owner or operator shall be made in writing regarding the immediate future of the well, along with the schedule for construction of all requirements to fulfill the conditional use permit. Abandonment procedures shall proceed in compliance with Chapter 16.24 of this title. In the event the drill site is located in a hillside area, all ground stripped of vegetation shall be seeded with grasses or other ground cover to prevent erosion, as approved by the inspector.

(Ord. 90-08-1074 § 4 (part))

## **Chapter 16.20**

### **OPERATING AND SAFETY STANDARDS**

---

#### Sections:

- 16.20.010 Grading, drainage, and surfacing.
- 16.20.020 Wellhead safety equipment.
- 16.20.030 Pumping units.
- 16.20.040 Well servicing standards.
- 16.20.050 Emergency work.
- 16.20.060 Signs and identification.
- 16.20.070 Lighting.
- 16.20.080 Cellars and sumps.
- 16.20.090 Electrical protection.
- 16.20.100 Noise control--General.
- 16.20.110 Vibration.
- 16.20.120 Production facilities fencing and walls.
- 16.20.130 Landscaping--General.
- 16.20.140 Landscaping--Minimum requirements.
- 16.20.150 Painting.
- 16.20.160 Waste and refuse--Removal and control.
- 16.20.170 Pipelines and underground facilities.
- 16.20.180 Storage tanks.

16.20.190 Storage of equipment and abandoned structures.

16.20.200 Annual inspection compliance orders.

16.20.210 Noticing requirements for oil field operations.

#### **16.20.010 Grading, drainage, and surfacing.**

A. Access roads and other excavations related to all oil operation sites shall be designed, planned, maintained and repairs when necessary so as to minimize erosion, provide stability of fill, minimize disfigurement of the landscape, and maintain natural drainage.

B. Drainage facilities, including but not limited to concrete catchbasins, swales, or interceptor drains shall be designed and installed where necessary to carry waters from any oil operation site to the nearest practical drainage-way approved by the city and/or other responsible jurisdiction.

C. There shall be erosion control on all oil operation sites so that no water; muds, or other substances are washed onto public streets or surrounding property. Control techniques shall be those as prescribed in Section 16.16.040 of this title.

D. Where required by the inspector, private roads used for access to operation site shall be temporarily or permanently surfaced and maintained with materials approved by the city to control dust, mud, erosion, and drainage.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.020 Wellhead safety equipment.**

On all wells there shall be connected to the casing string a two-inch steel valve with a rated working pressure equal to that of the corresponding casing head for the purpose of bleeding off casing pressure or for hookup to kill the well in case of an emergency. No brass valves are permitted.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.030 Pumping units.**

A. All pumping units installed after the effective date of the ordinance codified in this title shall not exceed a height of thirty-six feet at the top of the stroke from ground level.

B. All units whether mechanical weighted, air-balanced, or hydraulic shall be maintained in such a manner as to be free of unusually annoying squeaks or grinding noises. Said unit shall be maintained in a clean, painted condition.

C. Unit guards shall not be bent, removed, or absent from their required position while equipment is in motion.

D. Unit grease and access ladders to the saddle area shall have a safety loop at the top and shall be tightly secured to the unit.

E. It shall be unlawful to decorate any pumping unit or other moving part of any equipment enclosed or required to be enclosed on an oil well site with any display or representation which may constitute a nuisance or attraction to children.

F. All pumping units shall be secured to prevent movement.

G. All surface areas around pumping units shall be kept free of spilled oil, grease, or other materials spilled during the operation of the oil well.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.040 Well servicing standards.**

A. All derricks and masts shall be constructed, maintained, and operated pursuant to provisions contained in Section 16.16.070 of this title with the exception that well servicing equipment, including pulling masts and gin poles, shall be removed from the oil operation site within seven days after completion of a servicing operation.

B. Within one hundred twenty days of the effective date of the ordinance codified in this title, no well servicing derrick or mast shall be used on any oil well that is within one hundred feet of a structure used for human occupancy or a public right-of-way unless there is available a steel mat pulling pad, sufficient to prevent tipping under pressure. Subject wells shall be posted with a sign describing this requirement. Following two warning notices from the inspector for failure to use a steel mat, the well shall be provided with a permanent concrete pulling pad.

C. Within one hundred twenty days of the effective date of the ordinance codified in this title, all masts or derricks within one hundred feet of any structure used for human occupancy shall have secured tie downs concreted into the ground for wind guys and guy lines prior to pulling pipe, rods, or tubing. Screw-in tie downs may be used to secure rope lifelines from the tubing board to a point safely away from the well bore. All tie downs shall conform to A.P.I. standards or to an alternate plan approved by the city engineer.

D. Masts or derricks shall be equipped with soft lay cables sufficient in strength to secure mast as wind guys or guy wires for protection against collapse.

E. The use of any single or two-legged gin pole or combination thereof that is not free-standing with hook load is prohibited with the exception of abandonment cases where equipment pipeload is carried on hydraulic jacks and a mast is used to handle joints of pipe or casing.

F. Internal combustion engines shall only be used during servicing operations in those applications for which electrical motors are not appropriate and power generation for these motors require diesel or gasoline generators. The inspector shall approve those applications appropriate, in his discretion, for internal combustion engines for the period of well servicing only and shall determine by field inspection when mufflers or other sound attenuation devices shall be installed. Internal combustion engines (even if muffled) shall be prohibited on all new pumping units installed after the effective date of the ordinance codified in this title. All pumping units shall comply with noise standards of Chapter 9.16 of this code.

G. All vehicles used at well sites for well servicing shall carry fire extinguishers required and approved by the Long Beach fire department.

H. Except in case of emergency well work, well servicing and truck deliveries are prohibited except Monday through Friday, inclusive, from seven a.m. to seven p.m. and except for industrial areas and drill sites as shown on the well servicing map on file in city hall, where oil well servicing shall be permitted on Saturdays and Sundays from nine a.m. to seven p.m.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.050 Emergency work.**

A. The provision of this chapter shall not prevent emergency well work at any time. Emergency well work shall mean immediate action to preserve life, property, or the environment, necessitated by any sudden or unforeseen situation and may include well blow out, loss of circulation, rig safety, or other situations deemed to be an emergency by D.O.G. or the city. In the event that any person believes an emergency exists, he or she may take immediate corrective action and simultaneously shall notify the inspector of such emergency and corrective action. If the inspector determines that no emergency exists or that the corrective action is inappropriate, the inspector shall so notify the person taking action and such person shall comply with the determination and any order of the inspector.

B. The city may authorize emergency work at times not otherwise permitted, when determined that an emergency exists. The inspector shall consider and make findings concerning: (1) the nature of surrounding property, (2) type of emergency work, (3) time of emergency work, (4) existence of buildings, structures, natural features and topography which will buffer the impacts of the work on surrounding properties, (5) any other matters affecting the impact of the emergency work noise on surrounding properties. The inspector may impose any conditions upon the operator which the inspector deems reasonable resulting from the emergency work.

C. The inspector shall prepare a permit reciting each of the findings specified above and the factual basis therefor, copies of which shall be delivered to the city manager, police chief, operator and the D.O.G.

D. In connection with authorizing emergency work, the inspector may impose upon the operator any conditions the inspector deems reasonable and necessary to mitigate adverse impacts on nearby properties or to protect public health, safety, and welfare. The inspector's permit for emergency work shall list all such conditions imposed.

E. The permit shall be revocable by the city manager or inspector if determination is made that no emergency exists or for failure to comply with any conditions imposed on the operator as part of the permit process. The permit may be reissued as may be required by the circumstances giving rise to the emergency, so long as the provisions of this section are satisfied.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.060 Signs and identification.**

A. A sign shall be prominently displayed and maintained near or on the pumping unit of each well, whether producing or not, and on each tank farm battery; in conformance with Section 16.16.080 of this title, except that the name of the drilling contractor may be omitted.

B. In the event a leasehold or oil operation site is fenced or walled, or there are more than two wells on one leasehold, it shall be sufficient if the entrances to the leasehold are posted with a legible, permanent sign prominently displayed bearing the name of the operator, together with the name of designation of the lease, the telephone numbers of one person on twenty-four-hour call for emergencies, together with any openly visible sign on each well designating the particular number thereof.

C. In addition to conformance with the Federal Hazardous Substance Labeling Act, the California Hazardous Substance Labeling Act, and the applicable federal, state, and local codes, each storage tank shall have clearly painted on the side of the tank facing the nearest public right-of-way in legible lettering the contents of the tank or its use.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.070 Lighting.**

All lighting shall be directed or shielded so as to confine direct rays on the drill or operations site and shall be designed to assist in the discovery and prevention of spills. Colored, flashing, fluttering, or blinking lights shall not be used, with the exception of height warning lights as may be required by the Federal Aviation Administration.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.080 Cellars and sumps.**

A. All cellars shall comply with provisions contained in Section 16.16.100 of this title.

B. The inspector, when deemed necessary, may require the installation of a float or diaphragm "safety kill" switch.

C. Sumps for the collection of rain water, wastewater or oil shall be fully lined with impervious materials and shall be evacuated and cleaned after any spill. Unlined evaporation sumps are prohibited. Sumps shall be designed, constructed, and maintained so as to not be a hazard to people, livestock, or wildlife including bird life.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.090 Electrical protection.**

A. All on-site generated electrical services may use insulated wiring for distribution providing such cables are either buried or run in protective gutters to prevent impact in areas where cables cross beams. Where vibration is present, there shall be securing devices or insulating devices to prevent wear to the exterior of the cable.

B. All cables and other electrical installations used, maintained, or installed shall conform to Title 15 of this code, California Industrial Safety Code, or A.P.I. regulations, whichever standards are more restrictive.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.100 Noise control--General.**

A. All operations shall conform to Chapter 9.16 of this code. If noise levels exceed the ambient noise levels permitted in Chapter 9.16, the inspector shall issue a notice to the operator.

B. Upon receipt of notice, the operator shall submit for the approval of the inspector the procedures to correct the violation. Corrective measures shall be taken within forty-eight hours of notice. The inspector may require a follow-up noise field test by an acoustical engineer to ensure compliance, in which case the operator shall pay the actual costs to the city for such test.

1. Failure to comply shall be reason for the inspector to suspend or revoke any operational permit issued pursuant to Chapter 16.12 of this title.

2. Nothing shall preclude the inspector from pursuing other administrative or legal remedies to obtain compliance.

C. Except in case of emergency well work, well servicing, reworking and truck deliveries are prohibited except Monday through Friday, inclusive from seven a.m. to seven p.m. and except for industrial areas and drill sites as shown on the oil well servicing map on file in city hall, where work shall be permitted on Saturday and Sundays from nine a.m. to seven p.m.

D. The operator shall post a two foot by three foot sign on all oil servicing, redrilling or reworking operations within twenty-four hours of commencing servicing or rework operations. The sign shall contain the following information:

1. Operator company name;
2. A twenty-four hour telephone number of the operator who is familiar with the well work and who can be contacted with questions;
3. A statement that the Signal Hill Municipal Code allows well work from the hours of seven a.m. to seven p.m. per Section 9.16.070;
4. A statement that "Well servicing is being performed at this site."

E. For the purposes of developing a data base, as part of the annual inspection process, the oil services coordinator shall record noise measurements for all operating wells located within three hundred feet of residential dwellings. A five minute noise measurement shall be taken along the longitudinal axis of the oil well pumping unit approximately twenty feet away from the motor.

(Ord. 93-04-1153 § 9; Ord. 90-08-1074 § 4 (part))

#### **16.20.110 Vibration.**

Vibration from equipment shall be kept to a minimum level, and in such cases as it is required, vibration dampening equipment of the best available technology shall be installed as required by the inspector so as to reduce vibration to a minimum.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.120 Production facilities fencing and walls.**

A. All wells and tanks, will be enclosed by a fence or wall constructed in accordance with D.O.G. regulations as set forth in Title 14, Section 1778 of the California Code of Regulations.

B. All fencing and wall enclosures shall be equipped with at least one gated area, placed at non-hazardous locations, and provided with a combination catch and locking attachment device for a padlock which shall be kept locked at all times when unattended by a watchman or serviceman.

C. The colors of all walls, fencing, slats, or other comparable materials shall be compatible with surrounding uses, and maintained in a neat, orderly, secure condition. Repairs, repainting and or replanting shall be made from time to time as ordered by the inspector to maintain a high quality standard for the fencing and related improvements, and a neat and orderly appearance of the oil field.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.130 Landscaping--General.**

A. Within six months of the effective date of the ordinance codified in this title, operators of well sites, production related tanks and oil operation sites shall submit for approval by the planning director a complete landscape plan including the following:

1. A site plan of the oil operation site as defined by the outer boundary lines including adjacent public streets, well and tank sites, and the following:

- a. The precise location of the outer boundary property lines land adjacent public improvements sufficient in detail to assure that any proposed perimeter landscaping will not encroach into the public rights-of-way;
- b. Proposed landscaped areas including dimensions;
- c. An irrigation plan providing for automatic irrigation or a written plan for manual watering;
- d. Proposed trees, shrubs, and ground covers including size, quantity, and spacing;
- e. Instructions for the preparation of soils, quantities of soils amendments, staking of trees, etc.;
- f. Other pertinent information as may be deemed necessary by the planning director.

B. Review procedure. The site plan as set forth in subsection (A) of this section shall be reviewed and approved, conditionally approved or denied by the planning director based on findings of consistency with the purpose and intent of this chapter and consistency with the requirements herein or as the case may be the design guidelines for the Willow/Spring/Cherry Corridors and the Map of Oil Field Perimeters on file in the community development department.

1. If the planning director denies the landscape plan, the operator shall cause the plan to be revised within thirty days and resubmit for review and approval.
2. If the planning director approves the landscape plan, the operator shall do the following:
  - a. Enter into a landscape plan and maintenance agreement allowing for the city to repair or replace dead or neglected landscaping and recover any costs incurred from the oil operators;
  - b. Install the landscaping in accordance with the approved landscape plan within three months.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.140 Landscaping--Minimum requirements.**

Landscaping shall be designed to screen the perimeter of oil operations sites and create buffers between oil field facilities and urban uses. Landscaping shall implement the Landscape Design Guidelines for the Willow/Spring/Cherry Corridors on file in the community development department and be arranged to improve the visual appearance of oil field activities and to mitigate the impact of oil-related activities on urban development while still allowing normal oil recovery operations. Recognizing variations in oil well locations, pumping units, concrete pads, pipes, and other potential obstructions and the need, in some cases, for unobstructed access to operations, the following minimum landscaping standards shall apply:

- A. Four fifteen gallon size trees and six five gallon size shrubs shall be provided for each oil well.
- B. Four fifteen gallon size trees and six five gallon size shrubs shall be provided for each tank.
- C. Automatic irrigation systems or other provisions for regular watering shall be provided. The use of drought tolerant trees and shrubs is recommended.
- D. All landscaping and irrigation shall be properly maintained in accordance with an approved landscaping plan and maintenance agreement.
- E. It shall be the responsibility of the inspector to inspect landscaping and order the operator to repair, prune, or replant as necessary to maintain a high quality standard of landscaping appearance. When necessary, the inspector shall enforce the landscape plan and maintenance agreement.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.150 Painting.**

- A. All pumping units, storage tanks, heaters, exposed pipelines, and buildings or structures located on an oil operation site shall be painted as may be regularly needed, and be maintained reasonably free of rust, oil and stains. Pipelines less than four inches in diameter need not be painted.
- B. The inspector shall require periodic painting. In making such determinations, the inspector shall consider the deterioration of the quality of material of which such facility or structure is constructed, the degree of deterioration, and its appearance.
- C. Paint color shall be approved by the director and shall be compatible with surrounding uses. Special painting required by D.O.G. for moving parts shall be exempt from the requirement for director approval.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.160 Waste and refuse--Removal and control.**

- A. No person shall permit or cause to be permitted the discharge of any chemicals, oil, or liquid hydrocarbons and other oil field waste or refuse, including wastewater and brine to be deposited,

placed, or discharged in, into, or upon a public right-of-way, storm drain, sanitary drain or sewer, drainage canal or ditch, flood control channel or onto private property including any oil leasehold property. Notwithstanding the foregoing, treated wastewater and brine may be discharged if a permit is obtained for such discharge in accordance with provisions contained in Section 16.12.080 of this title.

After any spill, leak, or malfunction, the responsible operator shall remove or cause to be cleaned and/or removed, to the satisfaction of the inspector, all oil and waste materials from any public or private property affected by such spill, leak, or malfunction.

B. No person shall permit or cause to be permitted any oil, waste oil, water, refuse, or waste materials to be on the surface of the ground, underground, or near any oil well, pump, boiler, storage tank, or building except within an approved location. Upon order of the oil services coordinator, the operator shall cause such materials to be cleaned and/or removed by an approved waste hauler or other approved means.

C. Open earth pits, sumps, skim ponds, or any other area where there is storage of oils or liquid hydrocarbons, brines, or other waste liquids open to the sky are prohibited and shall be removed, evacuated of all foreign or contaminated materials, and filled with compatible clean earth within one hundred eighty days of the effective date of the ordinance codified in this title, except any clarifiers or concrete pits which were constructed with approved permits prior to the adoption of the ordinance codified in this title, provided that all such areas shall be protected by grates or screening pursuant to D.O.G. requirements.

D. Flammable waste gases or vapors shall not be discharged to the atmosphere or burned by open flame except by written approval of D.O.G. and the South Coast Air Quality Management District.

E. Cement slurry or dry cement shall not be disposed of on the surface.

F. All oil operation sites shall at all times be kept free and clear of debris, weeds, brush, trash, or other waste or combustible material.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.170 Pipelines and underground facilities.**

A. All pipelines or electrical lines appurtenant to well sites other than those within the containment of tank wells, or within the fencing of the well bore, shall be buried a minimum of twelve inches below the surface of the ground. Where valves are necessary in areas where vehicle movement occurs, such valves shall be encased in valve boxes which are level with the ground and of sufficient strength to support vehicle weight.

B. All aboveground pipelines containing flammable materials located in tank farms and tank batteries shall be of noncombustible, heat-resistant material.

C. Pipelines shall comply with Chapter 16.32 of this title.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.180 Storage tanks.**

All tank farms, tank batteries, or storage tanks used for the storage, processing, and separating of crude oil or the storage of wastes, liquids, or other fluids shall conform to Chapter 16.25 of this title.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.190 Storage of equipment and abandoned structures.**

A. No drilling, redrilling, reworking, portable equipment, nonoperational tanks, vehicles, barrels, debris, etc., shall be stored within the outer boundary line of the oil operation site which is not

essential to the everyday operation of the oil well located thereon. Upon order of the inspector, such storage shall be removed from the oil operation site. This includes the removal of idle equipment unnecessary for the operation of all wells. However, drilling or production equipment may be stored on an oil operation site if such site is enclosed with a solid wall, landscaping or fence, which screens the site from public view within one hundred feet. Limited storage of tubing, rods, drums, and fittings may be authorized by the inspector. Landscaping items which are not in compliance with this section shall be removed within ninety days after notice of the operator.

B. It shall be illegal to park or store any vehicle or item of machinery in any driveway, alley, or upon any oil operating site which constitutes a fire hazard or an obstruction to or interference with fighting or controlling fires.

C. Tanks, vessels, pipes, and other oil field equipment which is no longer in use shall be removed within ninety days following written notice from the inspector.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.200 Annual inspection compliance orders.**

A. At least one time per year, the inspector shall inspect every premise subject to any permit under this oil code for compliance with the provisions of this code. In the event any violation is found, the inspector shall provide notice of same to the operator and the operator shall have thirty days from the date of the notice to correct the violation. The inspector may grant reasonable extensions of time for correction of the violation upon a showing of good cause by the operator. The inspector may require immediate corrective action for any violation which poses an immediate danger to the public health, safety, and welfare, or which poses immediate danger if irreversible environmental damage.

B. If an operator fails to comply with an order of the inspector, the inspector may issue a stop order pursuant to Section 16.04.080, or take other action to abate any nuisance condition under Section 16.04.100.

(Ord. 90-08-1074 § 4 (part))

#### **16.20.210 Noticing requirements for oil field operations.**

When an operator proposes to reactivate a well which has been inactive for more than one year the operator shall comply with the following noticing procedure:

A. The operator shall notify all neighbors within one hundred feet of a well, or more if determined necessary by the city, at least twenty-four hours prior to commencing the work. The form of notice shall be accomplished by one of the following: mailing a letter to the affected residents explaining the proposed operations; personally delivering the letter; or personally knocking on doors and explaining the proposed operations.

B. The operator shall post a sign on the well in conformance with Section 16.20.100(D) of this chapter.

C. The operator shall notify the city division of oil field services by telephone or letter at least twenty-four hours prior to commencing the work. The notice shall detail the actions taken or to be taken to notify neighbors.

(Ord. 99-08-1261 § 2)

## **Chapter 16.22**

## **IDLE WELLS**

---

Sections:

16.22.010 Idle well—Determination.

16.22.020 Idle well—Notice.

16.22.030 Idle well—Abandonment.

### **16.22.010 Idle well—Determination.**

A well shall be deemed to be an idle well if, the well does not produce an average of two barrels of oil per day or one hundred cubic feet of gas per day for a continuous six months period during any consecutive five-year period prior to or after January 1, 1991, except that an active water injection well shall not be classified as an idle well.

(Ord. 2015-05-1475 § 5)

### **16.22.020 Idle well—Notice.**

A. Whenever a well is an idle well, as defined in Section 16.22.010, the Oil Services Coordinator or his designee shall send notice thereof by registered mail to:

1. The surface owner, mineral owner, and lessee of land on which the well is located as shown on the last equalized assessment of the city;

2. The permittee or operator of the well as indicted on either the records of DOGGR or the records of the city.

B. The notice shall include the name and location of the well in question.

C. The Building Department shall maintain a list of idle wells located within the city.

(Ord. 2015-05-1475 § 5)

### **16.22.030 Idle well—Abandonment.**

A. Whenever a well is an idle well and the notice has been given, as described in Section 16.22.020, the permittee, operator, or other responsible party shall cause the well to be abandoned or reabandoned pursuant to Section 16.24.090 within three months; or

1. Repair and reactivate the well as a pumping well or injector well; or

2. Obtain an annual idle well permit.

B. Failure to obtain an annual idle well permit, abandon or repair and reactivate an idle well shall be conclusive evidence of desertion of the well permitting the Oil Services Coordinator, his designee, and DOGGR to cause the well to be abandoned. Said wells shall also be deemed a public nuisance.

(Ord. 2015-05-1475 § 5)

## **Chapter 16.23**

## **ABANDONMENT OF WELLS**

---

Sections:

16.23.010 Required abandonment.

16.23.020 Abandonment permit.

**16.23.010 Required abandonment.**

Permittee operator or other responsible party shall abandon or reabandon a well in accordance with requirements of DOGGR and this chapter when any of the following conditions exist:

- A. Upon final and permanent cessation of all operations on any well;
- B. Upon the revocation, expiration, or failure to obtain or to maintain in full force and effect permits required under provisions of this title;
- C. Upon order of DOGGR;
- D. A leaking well exists within the Area of Development after having been tested pursuant to Section 16.24.040. The Area of Development for purposes of this subdivision shall be as defined in Section 16.24.010(A);
- E. The well has been determined to be an idle well per Section 16.22.010 and the operator has decided to abandon the well.

(Ord. 2015-05-1475 § 6)

**16.23.020 Abandonment permit.**

Prior to commencement of abandonment or reabandonment, pursuant to Section 16.23.010, the permittee or other responsible party shall:

- A. Provide a copy of the DOGGR approval to abandon said well;
- B. Obtain a City issued abandonment permit from the Oil Services Coordinator. No person shall abandon or reabandon a well without first obtaining a City issued abandonment permit pursuant to Section 16.24.060.

(Ord. 2015-05-1475 § 5)

## **Chapter 16.24**

# **DEVELOPMENT STANDARDS FOR PROPERTIES CONTAINING ABANDONED WELLS**

---

Sections:

16.24.010 Area of development.

16.24.020 Prerequisites to site plan and design review.

16.24.030 Well discovery.

16.24.040 Leak testing.

16.24.050 Well access exhibit.

16.24.060 Well abandonment report.

16.24.070 Abandonment equivalency standard.

16.24.080 Methane assessment and mitigation standards.

16.24.090 Abandonment and restoration standards.

**16.24.010 Area of development.**

A. New development. In the case where a structure or structures is/are proposed on a vacant parcel, or in the case where subdivision of a parcel is proposed, or in the case of a phased development proposed to occur on several parcels in phases, the “Area of Development” is the entire proposed site, including the entire area of each and every parcel involved. For purposes of this chapter, this area shall also be referred to as the “Site,” but in no case shall include area outside the property boundaries.

B. Additions to existing development. In the case of an addition to an existing structure, or construction of new structures on a parcel with existing structures, the “Area of Development” is (i) the portion of the Site which is within, or within ten (10) feet of, the area disturbed for grading as shown on a preliminary grading plan; or (ii) the portion of the site lying under or within ten (10) feet of any addition or new structure built as a part of the project where no grading plan is required.

(Ord. 2015-05-1475 § 8)

**16.24.020 Prerequisites to site plan and design review.**

A. Application requirements. For properties with abandoned wells, the City shall not deem any site plan and design review application complete pursuant to Chapter 20.52 until well discovery, leak testing, a well access exhibit, and the well abandonment report have been approved pursuant to Sections 16.24.030 through 16.24.060.

B. Permit and inspection fees. A fee shall be required for all permits and inspections, pursuant to Sections 16.24.030 through 16.24.060, in an amount established by City Council resolution.

C. Review fees. Associated project review time shall be deducted from the project deposit at the established hourly billing rate.

(Ord. 2015-05-1475 § 8)

**16.24.030 Well discovery.**

A. Well discovery permit. A well discovery permit, issued by the Oil Services Coordinator, shall be required prior to any site work or excavation. The permit shall establish the procedures for identification of the physical location and excavation of abandoned wells on the site.

B. Notice. Prior to issuance of a well discovery permit, the City shall prepare a notice to be mailed to all property owners and residents within a one-hundred foot radius of the boundary of the subject property as shown on the last equalized assessment roll.

C. Survey of wells. The owner or other responsible party shall submit a licensed survey of all wells within the area of development. The survey shall locate all active, idle and abandoned wells to ascertain their locations and document the depth of the well surface plate from the existing grade, or in the case of pending new development, the proposed depth. The well(s) shall be plotted on the site plan and include the NAD 83 well location or equivalent.

D. A.L.T.A. and development survey. The owner or other responsible party shall have an American Land Title Association (A.L.T.A.) survey of the area of development prepared including all man-made features (culture).

(Ord. 2015-05-1475 § 8)

**16.24.040 Leak testing.**

A. Leak testing permit. A leak testing permit shall be issued by the Oil Services Coordinator for all abandoned wells located within the area of development. Wells shall be tested for gas leakage and visually inspected for oil leakage.

B. Leak testing of wells. A leak test shall be completed utilizing a "GT-43" gas detection meter, or one of comparable quality approved in advance by the Oil Services Coordinator, and shall be conducted by a state licensed geotechnical or civil engineer or state registered environmental assessor, class II, or other as determined necessary by the Oil Services Coordinator. Following all testing and inspection, the test area shall be returned to its previous state and fencing may be required around the area, or the entire site, to the satisfaction of the Oil Services Coordinator.

C. Observation report. The Oil Services Coordinator shall observe the leak test and prepare a leak test observation report documenting the date, time and summary of the testing and confirmation that venting material installation has been completed as described in subsection G below and to the satisfaction of the Oil Services Coordinator.

D. Leak testing report. A leak test report shall be prepared by a state licensed geotechnical or civil engineer or state registered environmental assessor, class II, and shall be submitted to the city for review and approval by the Oil Services Coordinator. A well shall be considered leaking if the leak test report indicates the meter read is greater than 500 parts per million.

E. Leaking wells. If wells are found to be leaking they shall be abandoned pursuant to Sections 16.23.010 and 16.23.020.

F. Retesting. An approved leak test report is only valid for 24 months from city acceptance. If a building permit has not been issued by this time, retesting is required. Following all testing and inspection, the test area shall be returned to its previous state and fencing may be required around the area or the entire site to the satisfaction of the Oil Services Coordinator.

G. Venting. Following leak testing, vent risers and vent cones shall be installed. Cone and riser materials, design and installation shall be observed and inspected and approved by the Oil Services Coordinator and shall be in compliance with the recommendations contained in the leak test report.

(Ord. 2015-05-1475 § 8)

**16.24.050 Well access exhibit.**

A. Proximity standard. The well access exhibit shall be prepared by the applicant and submitted to the Oil Services Coordinator. The exhibit shall illustrate whether or not access is provided to abandoned wells using the city's "close proximity standard" which depicts the DOGGR access recommendation. The close proximity standard is on file in the Community Development Department and publicly available. The Oil Services Coordinator may approve alternative measures that maintain access to wells.

B. Exhibit contents. The well access exhibit shall include all active, idle and abandoned wells, the proposed site plan, well discovery survey data pursuant to Section 16.24.030 and the location and use of all structures within 100 feet of the boundaries of the subject property. Each abandoned well shall be marked on the exhibit as one of the following:

1. "Access provided" for wells meeting the close proximity standard, or not proposed to be built over.

2. "No access & methane mitigation required" for wells with improvements proposed over, or in close proximity to the well.

(Ord. 2015-05-1475 § 8)

**16.24.060 Well abandonment report.**

A. Wells with no access. A well abandonment report shall be required for all abandoned wells marked as “no access & methane mitigation required” on the well access exhibit and shall be submitted to the Oil Services Coordinator for review.

B. City abandonment permit. All abandonments and reabandonments, including wells not requiring a well abandonment report, shall require a city abandonment and restoration permit issued by the Oil Services Coordinator pursuant to Section 16.24.090.

C. Report contents. The well abandonment report shall include the following:

1. A statement of intent describing the purpose for the abandonment such as pending property sale, development, or redevelopment of all or a portion of the site for a use other than a petroleum operation and a proposed schedule for abandonment, demolition and development or restoration of the property. The statement shall include intent regarding the disposition of utilities that served the oil and gas operations, including fire protection, power, sewage disposal, transportation, and water, as well as the name, address, and contact information for the permittee, and the address and a general description of the current land use of the subject property.

2. All data, reports and exhibits associated with the survey, leak test and well access pursuant to Sections 16.24.030, 16.24.040 and 16.24.050.

3. An equivalency standard assessment report prepared by the applicant’s registered petroleum engineer, registered petroleum geologist, or a professional with the equivalent of these registrations as determined by the Oil Services Coordinator and submitted for review by the city’s Petroleum Engineer. The report shall include an assessment which is based on the DOGGR well bore data and well history including all correspondence with DOGGR regarding all abandonment proceedings. The assessment shall state whether each well meets, or does not meet, the City’s equivalency standard pursuant to Section 16.24.070.

a. If a well is determined not to meet the city’s equivalency standard, a reabandonment plan shall be submitted to the Oil Services Coordinator and shall include a copy of the DOGGR well bore data, well history and an assessment statement that following reabandonment, the abandoned well is likely to meet the city’s equivalency standard pursuant to Section 16.24.070.

b. If the well is determined to meet the city’s equivalency standard the applicant shall submit the DOGGR documentation used to make the determination, including a copy of the DOGGR well bore data, well history and DOGGR confirmation of completion of the abandonment work.

4. An abandonment activities plan that details the estimated hours of operation, number of workers, structures proposed for decommissioning, projected method and routes of transporting equipment, structures, and estimated debris from the property to the place of disposition as well as the number of trips required, and an estimated schedule for completion of the work.

5. A waste management plan that details methods to maximize recycling and minimize wastes.

6. An ongoing development plan that details any existing structures, roadways, and other improvements on the property proposed to be retained to support other existing or proposed uses of the property following abandonment of the oil or gas operations.

7. A restoration plan pursuant to Section 16.24.090 that details grading, drainage and measures proposed to prevent or reduce nuisance effects (e.g., dust, fumes, glare, noise, odor, smoke, traffic congestion, vibration) and to prevent danger to life and property, including a list of any other permits, as may be required for restoration pursuant to Title 15 of the city code.

8. Any other information deemed reasonably necessary by the Oil Services Coordinator to address site-specific factors.

D. City assessment letter. The city's Petroleum Engineer shall review the equivalency standard assessment report and provide an assessment letter and a recommendation to the Oil Services Coordinator confirming whether the wells meet, do not meet, or if a reabandonment plan is required, are likely to meet the city's equivalency standard pursuant to Section 16.24.070.

E. City summary report. Following receipt of the assessment letter from the city's Petroleum Engineer, the Oil Services Coordinator shall prepare a summary report for the well assessments and, for each well marked "no access & methane mitigation required" on the well access exhibit, providing one of the following determinations:

1. For wells that meet the city's equivalency standard, a finding that "no additional work is required" shall be made and a determination that the project may proceed with site plan and design review pursuant to Chapter 20.52.

2. For wells that do not meet the city's equivalency standard, but are confirmed as likely to meet the standard, the Oil Services Coordinator shall make a finding that reabandonment shall proceed and shall issue a permit for proposed well abandonments pursuant to Section 16.24.090. Following completion of reabandonments the property owner or responsible party shall submit well bore data and well history, including all correspondence with DOGGR regarding abandonment proceedings and any field changes with an assessment from the applicant's registered petroleum engineer, registered petroleum geologist, or a professional with the equivalent of these registrations as determined by the Oil Services Coordinator that the abandonment meets the city's equivalency standard. The Oil Services Coordinator shall make a finding that the abandonment meets the city's equivalency standard and that "no additional work is required" and the project may proceed with site plan and design review pursuant to Chapter 20.52.

3. If the applicant does not wish to complete the abandonments for wells qualified as described in subparagraph 2 above, the Oil Services Coordinator shall make a finding that an "at risk" letter is required. The letter from the applicant shall acknowledge that the success or failure to complete well abandonments in compliance with the city's equivalency standard will determine whether wells may be built over or in close proximity to. Further, the letter shall state that it is understood that failure to abandon wells to the city's equivalency standard will prohibit development over or in close proximity to the wells resulting in revisions to the site plan and potentially additional site plan and design review pursuant to Chapter 20.52. Following receipt of the "at risk" letter, the Oil Services Coordinator shall make a finding that "reabandonment work is required and an 'at risk' letter has been provided" and the project may proceed with site plan and design review pursuant to Chapter 20.52.

4. City abandonment and restoration permit. All abandonments and reabandonments shall require a city abandonment and restoration permit issued by the Oil Services Coordinator pursuant to Section 16.24.090.

a. Field modifications. It is the obligation of the property owner or responsible party to notify the Oil Services Coordinator prior to any changes made in the field to the abandonment plan. The applicant's registered petroleum engineer, registered petroleum geologist, or a professional with the equivalent of these registrations as determined by the Oil Services Coordinator shall provide a revised assessment report with a determination that the final abandonment with intended field changes meets, or does not meet the city's equivalency standard.

b. Verification of abandonment. Following completion of any abandonment work, the applicant shall submit all available DOGGR well bore data and well history including all correspondence with DOGGR regarding abandonment proceedings and any field changes from the initial abandonment plan with an assessment from the applicant's registered petroleum engineer, registered petroleum geologist, or a professional with the equivalent of these registrations as determined by the Oil Services Coordinator that each well meets, or does not meet, the city's equivalency standard pursuant to Section 16.24.070.

The Oil Services Coordinator shall verify that abandonments for wells proposed to be built over or marked as “no access” pursuant to Section 16.24.050(B), meet the city’s equivalency standard prior to issuing a final of the permit. Any well that does not meet the standard shall not be built over or in close proximity to “Improvements” pursuant to Section 16.24.070.

(Ord. 2015-05-1475 § 8)

#### **16.24.070 Abandonment equivalency standard.**

A. Determination of equivalency standard. Improvements proposed over or within close proximity to abandoned wells, shall not be permitted unless the Oil Services Coordinator has determined that the well has been abandoned to the city’s equivalency standard.

1. Improvements are considered permanent structures or other construction that would be difficult or expensive to demolish should the abandoned or reabandoned well leak oil or gas in the future.

2. Pervious improvements, such as landscaping and parking areas with adequate landscape buffers, may be located on top of a previously

abandoned or reabandoned well which has passed the leak test pursuant to Section 16.24.020.

B. Equivalency standard. The following equivalency standard shall be required for construction of improvements over abandoned wells or within close proximity of abandoned wells pursuant to Section 16.24.050(B):

1. A cement plug located at the depth of the last zone produced from the well. All perforations shall be plugged with cement, and the plug shall extend at least 100 feet above the top of a landed liner, the uppermost perforations, the casing cementing point, the water shut-off holes, or the oil or gas zone, whichever is higher. If wellbore conditions prevent placement of the plug at the depth of the last zone produced from the well, approximately 100 feet of cement shall be placed inside and outside of the casing above (but as close as possible to) the last zone produced from the well.

2. A cement plug located at the depth of the base of the fresh water zone in the well. If there is cement behind the casing across the fresh-saltwater interface, a 100 foot cement plug shall be placed inside the casing across the interface. If the top of the cement behind the casing is below the top of the highest saltwater sands, squeeze-cementing shall be required through perforations to protect the freshwater deposits. In addition, a 100 foot cement plug shall be placed inside the casing across the fresh-saltwater interface. If wellbore conditions prevent placement of the plug at the depth of the base of the fresh water zone in the well, approximately 100 feet of cement shall be placed inside and outside of the casing above (but as close as possible to) the base of the fresh water zone in the well. This plug is to be separate and apart from the plug referenced in subparagraph 1 above.

3. A cement plug located at the surface. The hole and all annuli shall be plugged at the surface with a cement plug extending at least 25 feet from the top of the cut off well casing.

4. The intent of these plugs is to ensure that the abandonment is adequate to prevent hydrocarbons from reaching the surface. One continuous plug that significantly exceeds 100 feet located below the surface plug and located in close proximity to the base of the fresh water zone could be adequate to meet (1) and (2). Also, one plug that meets either (1) or (2) and a surface plug that significantly exceeds 100 feet could be found to prevent hydrocarbons from reaching the surface.

5. The city’s consulting petroleum engineer shall determine if these conditions have been met and the abandonment is adequate to prevent hydrocarbons from reaching the surface of the well. The determination shall be based on, at a minimum, a review of a history of all work performed on the well and a detailed wellbore diagram showing the current condition of the well. The well bore diagram shall include details on:

a. Hole size.

- b. Casing and liner specifications and setting depths.
- c. All cementing operations.
- d. Depths of various hydrocarbon zones.
- e. Any other data required to analyze the current conditions of the well including casing recovery operations and the presence of junk in the hole.

(Ord. 2015-05-1475 § 8)

#### **16.24.080 Methane assessment and mitigation standards.**

A. Assessment requirements. The area of development on all properties in the city, whether or not they contain abandoned wells, shall be tested for methane gas prior to issuance of construction or development permits unless otherwise approved by the Oil Services Coordinator. In no case shall methane testing of the property be conducted less than 30 days after site disturbance.

B. Permit. A methane site test permit is required on all development sites where construction permits are required, whether or not there are wells located within the area of development. No methane tests shall be conducted without a permit issued by the Oil Services Coordinator.

C. Site assessment. A Site Methane Assessment is required for any property proposed for development. The assessment shall be conducted to the satisfaction of the Oil Services Coordinator and in accordance with the city's "methane assessment minimum requirements standard" on file in the Community Development Department and publicly available. The assessment report shall be signed and stamped by a State of California registered geologist and submitted for review to the Oil Services Coordinator prior to any mitigation activity, if required, on the property. Methane assessment shall be conducted no less than 30 days following any soils disturbance on the site.

D. Mitigation plan. If the methane site assessment requires mitigation, or if the well access exhibit is labeled "no access & methane mitigation required", a methane mitigation plan shall be prepared in accordance with the city's "methane mitigation minimum requirements standard" on file in the Community Development Department and publicly available and submitted for review and approval by the Oil Services Coordinator prior to commencement of any mitigation work on site.

E. Letter of intent. For properties subject to site plan and design review, pursuant to Chapter 20.52, if the applicant does not wish to complete the methane assessment and mitigation, if required prior to site plan and design review, the Oil Services Coordinator shall require that a letter of intent be submitted by the applicant stating their intent to conduct the property methane assessment and submit a mitigation plan, if required, as a condition of the site plan and design review.

(Ord. 2015-05-1475 § 8)

#### **16.24.090 Abandonment and restoration standards.**

A. Permit requirements. A well abandonment and restoration permit shall be required for all properties in the city where a well abandonment permit is required whether or not the property is to be developed following the abandonment, or if development is proposed on a property with abandoned wells and a well abandonment report is not required pursuant to Section 16.24.060. The permit shall be issued following approval of the prerequisites to site plan and design review pursuant to Section 16.24.020.

B. Restoration requirements. A well shall be considered properly abandoned for purposes of this chapter after restoration of the drill site or oil operation site and subsurface thereof to its original condition, as nearly as practical, and in conformity with the following requirements:

1. A copy of the abandonment plan submitted to DOGGR and authorization to abandon, reabandon or remediate the well is provided;

2. All equipment and surface installations used in connection with the well which are not necessary as determined by the Oil Services Coordinator for the operation or maintenance of other wells of operator or permittee on the drill or operation site shall be removed from the premises;

3. The premises, all sumps, cellars, and ditches which are not necessary for the operation or maintenance of other wells of operator or permittee on the site shall be cleaned out and all oil, oil residue, drilling fluid, and rubbish shall be removed or bioremediated to reduce hydrocarbons to standards acceptable to federal, state, or local agencies. All sumps, cellars, and ditches shall be leveled or filled. Where such sumps, cellars, and ditches are lined with concrete, permittee or operator shall cause the walls and bottoms to be broken up and all concrete shall be removed;

4. The premises shall be cleaned and graded and left in a clean and neat condition free of oil, rotary mud, oil-soaked earth, asphalt, tar, concrete, litter, and debris and any facilities to remain shall be painted and maintained reasonably free of rust, oil, or stains, to the satisfaction of the Oil Services Coordinator;

5. NPDES standards for stormwater run-off and dust and erosion mitigation measures shall be complied with, to the satisfaction of the City Engineer and the Oil Services Coordinator; and

6. All public streets, alleys, sidewalks, curbs and gutters, and other places constituting public property which may have been disturbed or damaged in connection with any operation, including operations for the abandonment of the well, shall be cleaned, and, except for ordinary wear and tear, shall be repaired and restored to substantially the same condition thereof as the same existed at the time of issuance of the permit, or at the time operations were first commenced in connection with the drilling, operation, or maintenance of the well.

C. CC&Rs. Prior to issuance of any certificate of occupancy for developments constructed over abandoned wells, or for abandoned wells marked "no access" pursuant to Section 16.24.050(B), the property owner shall record a declaration of covenants, conditions and restrictions (CC&Rs), in a form subject to the review and approval of the City Attorney, putting future owners and occupants on notice of the following: the existence of abandoned wells on the site; that the wells within the area of development have been leak tested and found not to leak; description of any methane mitigation measures employed; disclosure that access to these wells has been provided to address the fact that they may leak in the future causing potential harm; acknowledgment that the state may order the reabandonment of any well should it leak in the future; acknowledgment that the state does not recommend building over wells; and releasing and indemnifying the city for issuing project permits.

D. DOGGR authority. Nothing herein is intended to displace any authority of DOGGR under Chapters 2, 3 and 4 of Division 2 of Title 14 of the California Code of Regulations or set aside or annul any action of DOGGR pursuant to its authority. However, these provisions shall control the development of property where DOGGR merely makes advisory recommendations beyond the agency's statutory authority.

E. Grandfathering. This section shall not apply to any project which has been approved by the city or its constituent boards, commissions or officials prior to the date of the adoption of this section, so long as such approvals remain valid. The required approvals include a valid approval from DOGGR, but if such approvals have expired, the project shall be governed by this section. Any application for discretionary land use development entitlements under Chapter 20.52 of the Municipal Code which is being processed shall be subject to the requirements hereof.

(Ord. 2015-05-1475 § 8)

## Chapter 16.25

### STORAGE FACILITIES

---

Sections:

- 16.25.010 Maximum tank capacity for each producing well.
- 16.25.020 Setbacks from buildings and property lines.
- 16.25.030 Maximum tank height--Oil production site.
- 16.25.040 Design, construction and maintenance of tanks.
- 16.25.050 Tank supports, foundations, stairs, platforms and walkways.
- 16.25.060 Spacing between tanks.
- 16.25.070 Dikes, diversion walls and catchment basins--Required locations.
- 16.25.080 Dikes, diversion walls and catchment basins--Capacity.
- 16.25.090 Dikes, diversion walls and catchment basins--Construction, generally.
- 16.25.100 Earthen dike wells--Minimum requirements.
- 16.25.110 Dikes, diversion walls and catchment basins--Drainage.
- 16.25.120 Tank valves, connections and vent piping.
- 16.25.130 Vapor recovery systems.
- 16.25.140 Skim ponds.
- 16.25.150 Loading and unloading facilities.
- 16.25.160 Fire protection systems.
- 16.25.170 Air quality emissions systems.
- 16.25.180 Zoning regulations applicable.

#### **16.25.010 Maximum tank capacity for each producing well.**

If oil or other liquid storage facilities are established incidental to a producing well on a well or drill site, the total capacity of such storage facilities shall not exceed two thousand barrels per well.

(Ord. 90-08-1074 § 4 (part))

#### **16.25.020 Setbacks from buildings and property lines.**

A. The minimum distance between any aboveground tank to the nearest property line, or public right-of-way shown on the city's official plan lines map, shall not be less than the height of the tank, or in any event, the minimum distance required in Chapter 15.08 of this code or Long Beach Fire Code, whichever provides the greater setback.

B. No building shall be erected closer than fifty feet from any storage tank. The director may permit this distance separation to be reduced for low occupancy industrial or warehouse buildings, subject to

additional or special safety or fire systems requirements which may be approved and imposed by the Long Beach fire department.

C. Where tank locations of diverse ownership have a common boundary, the director and Long Beach fire department, with the written consent of the owners, may substitute the distances provided in Section 16.25.060 for the minimum distances specified in this section.

D. The provisions of this subsection shall not apply to any tank or related facility constructed prior to the effective date of the ordinance codified in this title.

(Ord. 90-08-1074 § 4 (part))

#### **16.25.030 Maximum tank height--Oil production site.**

A. The maximum height for tanks of crude oil on oil production-related sites shall be limited to sixteen feet. An additional three feet in height in excess of the maximum tank height otherwise permitted may be permitted and approved by the director for the following: appurtenant facilities, piping, safety rails, or similar equipment required to operate and maintain the tank; provided, that no space above the height limit otherwise set forth herein shall be used for tank storage.

B. The maximum height for wash tanks on oil production-related sites shall be limited to sixteen feet.

C. The provisions of this section shall not apply to replacement or presence of any tank constructed prior to the effective date of the ordinance codified in this title.

(Ord. 90-08-1074 § 4 (part))

#### **16.25.040 Design, construction and maintenance of tanks.**

A. All tanks and attached fixtures shall be constructed and maintained in accordance with Title 15 of this code and with A.P.I., O.S.H.A., California Division of Industrial Safety, and E.P.A. standards.

B. Within one year of the effective date of the ordinance codified in this title all aboveground tanks including production field tanks, storage tanks, and refinery tanks shall be inspected by the inspector, and if deemed necessary by the inspector, repainted with a top coat of a neutral nonreflective color paint.

C. Aluminum or stainless steel clad tanks need not be painted. Aboveground pipes less than four inches in diameter need not be painted.

D. Nothing shall preclude the inspector from requiring periodic repainting of any facility. In making his determination regarding the need for repainting, the inspector shall consider the location, degree of rust or stains, and condition of existing parts.

(Ord. 90-08-1074 § 4 (part))

#### **16.25.050 Tank supports, foundations, stairs, platforms and walkways.**

A. Tanks shall rest directly on the ground or on foundations or supports of gravel, concrete, masonry, piling, or steel, designed and installed in accordance with Title 15 of this code. Supports for tanks storing Class I, II, or III-A liquids shall be of concrete, masonry, or protected steel.

B. Tank foundations shall be elevated, level, and larger in diameter than the tank itself.

C. Exposed piling or steel tank supports shall be protected by fire-resistive materials to provide a fire-resistance rating of not less than two hours.

D. Tank supports and connections shall be designed and installed to resist damage as a result of seismic activity.

E. Stairs, platforms, and walkways shall be non-combustible and constructed in accordance with Title 15 of this code, and D.O.G., A.P.I., O.S.H.A, and California Division of Industrial Safety standards.

F. Stairs, platforms and walkways in existence prior to the effective date of the ordinance codified in this title shall have a period of five years to come into compliance with the provisions of this section.

(Ord. 90-08-1074 § 4 (part))

**16.25.060 Spacing between tanks.**

A. No tank for the storage of any flammable, liquid shall be located closer than three feet to any other such tank.

B. For tanks above fifty thousand gallons individual capacity for the storage of any flammable liquid, except crude petroleum, the distance between such tanks shall not be less than one-half the diameter of the smaller tank.

C. Tanks for the storage of crude petroleum having capacities not exceeding one hundred twenty-six thousand gallons (three thousand barrels) shall not be less than three feet apart. Tanks having a capacity in excess of one hundred twenty-six thousand gallons (three thousand barrels) shall not be less than the diameter of the smaller tank apart.

D. The minimum separation between a liquefied petroleum gas container and any other tanks for the storage of any flammable liquids shall be twenty feet. Means shall be taken to prevent the accumulation of flammable liquids under adjacent liquefied petroleum gas containers such as by diking, diversion curbs, or grading, subject to the approval of the inspector. When flammable liquid storage tanks are diked, the liquefied petroleum gas containers shall be outside the diked area and at least ten feet away from the centerline of the dikes. The foregoing provision shall not apply when liquefied petroleum gas containers of one hundred twenty-five gallons or less capacity are installed adjacent to Class III flammable liquid storage tanks of two hundred seventy-five gallons or less capacity.

E. When tanks are in a diked area containing Class I or II liquids, or in the drainage path of Class I or II liquids, and are compacted in three or more rows or in an irregular pattern, greater spacing or other means may be required to make inside tanks accessible for fire fighting purposes.

(Ord. 90-08-1074 § 4 (part))

**16.25.070 Dikes, diversion walls, and catchment basins--Required locations.**

A. New tanks used for the storage of crude petroleum and other flammable liquids shall be diked or provided with diversion walls and catchment basins, or combinations thereof, subject to the approval of the inspector and shall meet the requirements of the D.O.G.

B. No catchment basin or diked impounding area shall be located closer to the outer boundary line or to any building designated for human occupancy than the diameter or height, whichever is greater, of the largest tank served by such basin or area.

C. The distance between the shell of any tank and the inside toe of any dike shall not be less than five feet for tanks not more than thirty feet in diameter and not less than ten feet for tanks in excess of thirty feet in diameter.

(Ord. 90-08-1074 § 4 (part))

**16.25.080 Dikes, diversion walls and catchment basins--Capacity.**

A. Except as provided in subsection (B) of this section, the volumetric capacity of a diked area shall not be less than one and one-half times the capacity necessary to hold the full volume of the largest tank below the height of the dike.

B. The capacity of a separate catchment basin may not be used to reduce the required capacity of a diked impounding basin.

(Ord. 90-08-1074 § 4 (part))

#### **16.25.090 Dikes, diversion walls and catchment basins--Construction, generally.**

A. Notwithstanding any other provision of the Signal Hill Municipal Code, walls of the diked area shall be of concrete, solid masonry or earth designed and maintained to be liquid-tight and to withstand a full hydrostatic head, except that within one year from the effective date of the ordinance codified in this title, all walls of diked areas in residential zones shall be solid masonry or poured in place concrete.

B. Except where permitted by the NFPA, the walls of the diked area shall not exceed six feet above the interior grade of the diked area. All dikes over thirty-six inches in height shall be engineered and constructed in accordance with Title 15 of this code to withstand a full hydrostatic head. Except as provided herein, all dikes comply with minimum yard setback requirements contained in Title 20 of this code. Notwithstanding the foregoing, where any storage tank or related facility approved prior to the effective date of the ordinance codified in this title is located in such required setback area, such tank or facility shall be diked in accordance with this chapter, provided that such dike wall does not extend into a public right-of-way.

C. All masonry dikes shall be solid grouted. Exterior walls shall be painted or color coated subject to the approval of the planning director.

D. Where two or more tanks within a common diked area may cause mutual exposure from spills, spill dividers shall be provided between tanks of ten thousand barrels or greater individual capacity. Groups of tanks of less than ten thousand barrels individual capacity and not in excess of fifteen thousand barrels aggregate capacity may be enclosed within a single spill dike.

E. All catchment basins shall be of concrete, designed to be liquid-tight, except that fiberglass or steel basins may be used if designed to meet the design requirements for hazardous materials when approved by the department.

(Ord. 90-08-1074 § 4 (part))

#### **16.25.100 Earthen dike wells--Minimum requirements.**

All earthen dikes shall be constructed and maintained as follows:

A. The minimum height of all earthen dikes shall be two feet.

B. Earthen dikes three feet or more in height shall have a flat section at the top or crown of the dike not less than two feet wide.

C. The sloped wall of the dike shall be consistent with the angle of repose of the material of which the walls are constructed, provided that all slopes shall be flat and no slope shall have a gradient steeper than a one foot rise in a two foot horizontal measurement. Diked slope walls shall not be stepped at less than three foot intervals.

D. Prior to surfacing of the earthen dike, the subgrade shall be thoroughly cleaned of organic base material and compacted sufficiently to ensure the stability of side slopes and to withstand a full hydrostatic head. The subgrade shall be trimmed before, during, and after compaction, as necessary to make the subgrade surface smooth and uniform and to give the completed structure the required

grade and cross section. Where vegetation is present, the subgrade shall be treated with a soil sterilant to protect against weeds.

E. A firm aggregate foundation base shall be compacted and shaped to a uniform smooth surface, consistent with subsection (D) of this section. Aggregate base may consist of crushed stone, rock, gravel, natural or manufactured sand, or a similar material, as accepted by the department, provided that at least fifty percent of the combined aggregate is rock or gravel.

F. Asphaltic surfacing on all earthen dikes shall be required. Surfacing shall be impervious, prevent leaching through pavement, and shall be stable enough to support a full hydrostatic head. Pavement surface shall be maintained impervious, free from holes and cracks.

G. The top (crests) and bottom edges (toes) of all dike slopes shall be designed so that they will not be damaged by water runoff and to prevent surface runoff from seeping into subgrade under the asphalt boating. The toe embankment should be curved to eliminate possible surfacing weaknesses at critical points. If the embankment toe cannot be curved, a wedge should be placed and compacted to ensure water tightness at the toe.

(Ord. 90-08-1074 § 4 (part))

#### **16.25.110 Dikes, diversion walls, and catchment basins drainage.**

A. Drainage shall be provided at a consistent slope of not less than one percent away from tanks and fittings to a sump, drain box, or other safe means of disposal located within the diked impounding area and at the greatest possible distance from the shell of the tank to provide drainage sufficient to prevent overflow of the dike and to effectively control the flow of fluids and runoff. Traps shall be provided with no less than six inches of liquid seal provided between the sumps, drain boxes, or drains intended for the disposal of spills. Catch basins or traps used for tank farm drainage shall not connect directly to the city sewer system. Fluids shall be pumped or gravity fed into a tank, interceptor outside of the tank containment, or diked area or directly into a pipeline for that purpose.

B. Drains shall not discharge to adjoining property, public sewers, or drainage ways unless the drain is designed to prevent the release of flammable or combustible liquids.

C. A valve, operable from outside the dike, shall be provided in the drain system and shall normally be kept closed.

D. Control of drainage shall be accessible under fire conditions. This includes, where deemed necessary by the inspector, installation of piping accessible to the public right-of-way for removal of firefighting waters from diked areas.

E. Approved provisions shall be made for disposing of water and of oil retained by dikes or impounding or catchment basins.

(Ord. 90-08-1074 § 4 (part))

#### **16.25.120 Tank valves, connections and vent piping.**

All tank piping, valves, fittings, and connections, including normal and emergency relief venting, shall be installed and maintained in accordance with Title 15 of this code and current A.P.I. standards.

(Ord. 90-08-1074 § 4 (part))

#### **16.25.130 Vapor recovery systems.**

In addition to any venting requirements of the fire department, all storage tanks and loading or unloading facilities containing flammable or combustible liquids shall be equipped with approved vapor recovery systems in accordance with South Coast Air Quality Management District requirements.

(Ord. 90-08-1074 § 4 (part))

**16.25.140 Skim ponds.**

Any open, accessible, surface, or subsurface installation used for the disposal of permitted waste liquids shall be fenced in accordance with Chapter 16.20 and any other state, federal, or local requirements.

(Ord. 90-08-1074 § 4 (part))

**16.25.150 Loading and unloading facilities.**

A. Existing gasoline or refined products handling facilities with a capacity greater than two thousand barrels shall be equipped with fire suppression systems within three years of the effective date of the ordinance codified in this title. All newly installed facilities shall be installed with fire suppression systems. Said systems shall be installed according to plans approved by the Long Beach fire department. The provisions of this section shall not apply to crude oil, gas and water loading or unloading facilities. Such facilities shall comply with the requirements of the Long Beach fire department.

B. Tank vehicle loading racks, loading platforms, or moveable loading spouts or arms dispensing flammable liquids shall be separated from tanks, warehouses, other buildings, public streets, and nearest line of property that may be built upon by a clear distance of not less than one hundred feet, measured from the center of any fill stem or pipe. This distance may be reduced to twenty-five feet if overhead foam fire protection is provided as approved by the Long Beach fire department. In an emergency, these provisions may be waived by the inspector. Buildings for pumps or for shelter of loading personnel may be part of the loading rack or platform.

C. Within three years from the date of adoption of the ordinance codified in this title, all loading rack areas shall include an approved catchment basin, treatment facility, or containment systems designed to hold the maximum capacity of any single compartment of a tank truck, or be abandoned.

D. No persons shall load or unload, or permit the loading or unloading of a tank vehicle unless such vehicle is located outside of any public street right-of-way.

E. During the loading or unloading of any tank vehicle, a trained employee or driver shall be at the loading or unloading controls. Provision shall be made for the safe disposal of the oils released by overflow and from loading spouts or lines.

F. All other requirements contained in Chapter 15.08 of this code shall be complied with.

(Ord. 90-08-1074 § 4 (part)).

**16.25.160 Fire protection systems.**

Fire protection systems shall be located, installed, and maintained when required by the Long Beach fire department pursuant to Chapter 15.08 of this code.

(Ord. 90-08-1074 § 4 (part))

**16.25.170 Air quality emissions systems.**

Air quality emission systems shall be located, installed and maintained when required by the Air Quality Management District.

(Ord. 90-08-1074 § 4 (part))

**16.25.180 Zoning regulations applicable.**

Title 20 of this code shall be applicable to the construction, operation, and maintenance of any structure or facility to be used for the storing or handling of oil or any flammable liquid, unless exempted by Title 20 of this code or provisions contained in this title.

(Ord. 90-08-1074 § 4 (part))

## Chapter 16.32

### PIPELINES

---

#### Sections

16.32.010 Compliance with state and federal regulations.

16.32.020 Accident reporting.

#### **16.32.010 Compliance with state and federal regulations.**

All pipeline operations shall comply with all provisions contained in Part 195 (Transportation of Hazardous Liquids by Pipeline) of Title 49 of the Code of Federal Regulations and Section 31010, et seq., of the California Government Codes, the California Pipeline Safety Act, both as may be amended, as well as other state, federal, and local requirements.

(Ord. 90-08-1074 § 4 (part))

#### **16.32.020 Accident reporting.**

Every failure in a pipeline system in the public right-of-way and subject to a city franchise agreement shall be reported at the time of the failure to the City of Signal Hill Emergency Communication Center by dialing (213) 426-7311, 911, or the Long Beach Fire Department, when the operator has knowledge of the accident, and must include the following information:

- A. Name and address of pipeline operator;
- B. Name and telephone number of the reporter;
- C. The location of the failure, nature of failure (leak, explosion, fire), and pipeline contents;
- D. The time of the failure;
- E. The fatalities and personal injuries, if any;
- F. Other significant facts that are known by the pipeline operator that are relevant to the cause of the failure or extent of the damages.

(Ord. 90-08-1074 § 4 (part))

## V. PROPOSED NOISE ENVIRONMENT IN LONG BEACH

### Recommended Criteria for Maximum Acceptable Noise Levels by Major Land Use Categories

#### Introduction and Concepts

The noise criteria recommended below was developed to reach three basic objectives. These objectives are prioritized as follows: 1) where the existing level of noise threatens the health and or welfare of the public, the objective of the criteria is to recommend the reduction of noise to a harmless level; 2) where the existing noise degrades the environment, the criteria's objective is to recommend the elimination (or at least the reduction) of that environmental degradation; and 3) where the existing ambient level is low, the objective of the criteria is to serve as a guideline in preserving the quietness of the environment.

Acceptable noise limits are dictated by human tolerance,<sup>1</sup> preference levels, and economic pressures. The quasi-random development of land use patterns prior to the adoption of strong planning policies has created established economic interests throughout Long Beach. Some of these investments represent significant noise sources, e.g., transportation corridors, industry and commercial sites. It is essential to recognize the urgent necessity of reaching

---

<sup>1</sup>Any outdoor level exceeding 65-70 dBA is likely to generate vigorous public complaints. Peterson, Arnold P.G. and Gross, Ervin E. Jr., Handbook of Noise Measurement, Seventh Edition, Concord Mass., General Radio Company, 1972, p. 47.

a compromise for the co-existence of noise-sensitive land uses with noise generators. In addition to creating an acceptable noise environment that all vested interests can live with, some decision is required as to the relative priorities to be set for future development in the City. The extent to which an acceptable noise environment is sought MUST be balanced against the optimum economic development in Long Beach. The recommended noise criteria can be instrumental in the decision making process and in reaching a more rational balance.

#### Parameters of the Recommended Criteria

The criteria are based on three different parameters as follows:

Existing Ambient Levels. As indicated in a previous section, a City-wide survey of noise levels was made in Long Beach and measurements were taken at eighty different locations both during daytime and nighttime hours. The readings taken ranged from a low of 41 dBA to a high of 66 dBA. This is not, however, to be construed as absolute minimum and maximum levels in Long Beach. There may be small sections not surveyed with levels lower or higher than the ones monitored during the study. In addition, noise limits recommended may be lower or higher than those recorded during the field test for the land use type in question.

Existing Land Use Patterns. Industrial, Commercial, and residential land uses in Long Beach are oftentimes mixed and widespread. In developing compromising noise limits that could be recommended rationally, the standards and ratios of the United States Environmental Protection Agency were

used.<sup>2</sup> This was done to allow reasonable limits to noise-generating economic activities adjacent to noise sensitive land uses, while protecting the citizenry from harmful noise exposure with an adequate margin of safety.

Existing Health, Communication, and Physical Setting Needs. As mentioned in the "Public Health Significance of Noise" section, the health-related considerations within this document are based on the assumption that protection against the direct effect of noise-induced hearing loss is sufficient for defense against extra-auditory effects.<sup>3</sup> This direct effect of noise has been one major consideration in the identification of recommended maximum noise limits.

In addition, interference by noise with various human activities, (sleep, speech, and thought) can lead to annoyance and indirect effects on well-being. This indirect effect has been a secondary consideration. Finally, there is the consideration that deals with the physical setting in which noise exposure takes place. The Long Beach climate determines much of the City's lifestyle. The population here is more outdoor oriented than in communities with severe climates. Air conditioners in summer and heaters in winter are minimally used. Open windows prevail in houses as well as in apartments throughout the City. Consequently, the exposure to outdoor noise is longer in duration and

---

<sup>2</sup>U.S. Office of Noise Abatement and Control, Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare With an Adequate Margin of Safety, Arlington, Va., U.S. Environmental Protection Agency, March 1974, pp. 3, 29.

<sup>3</sup>At this time there is insufficient scientific evidence that non-auditory diseases are caused by noise levels lower than those that cause noise-induced hearing loss. In the event that future research proves otherwise, this Element must be revised accordingly.

significant reduction of indoor noise is more difficult in Long Beach than in other cities. Although small amounts of outdoor speech interference is not detrimental to public health and welfare, the same is not true for most indoor environments. For these reasons, the difference between the recommended maximums for prolonged indoor and outdoor noise limits has to be less in Long Beach because the noise reduction afforded by structures is less effective due to the tendency of residents to keep windows open. Based on this reasoning, adequate recommendations to protect the citizenry against involuntary exposure to environmental noise required the special considerations cited above.

#### Explanation of Table 11

The table on page 137 classifies three major land use types in Long Beach according to the primary activity most likely to occur in each. The following is a brief description of each classification:

Residential Land Uses. (Day and night). These are areas of human habitation. They include single and multiple family homes, apartments, seasonal residences, hotels and mobile homes. The lowest recommended noise limits are within this category. They are necessarily low in order to prevent sleep arousal, activity interference, annoyance, and to permit the hearing mechanism to recuperate if it is exposed to higher levels of noise at anytime elsewhere. The noise levels recommended are restrictive enough to protect every type of noise-sensitive land use, such as schools, hospitals, libraries, etc., which are also included in this category.

Commercial Land Uses. Included in the commercial categories are shopping centers and shopping areas, Downtown Long Beach, and all strip commercial zones of the City.

TABLE 11

RECOMMENDED CRITERIA FOR MAXIMUM ACCEPTABLE NOISE LEVELS<sup>1</sup> IN A-WEIGHTED DECIBELS (dba)  
(decibels levels for noise monitoring purposes only, for frequency and band restrictions see Section 100.02 (c) of Proposed Model Noise Ordinance, Appendix E)

Major Land Use Type	Outdoor			Indoor
	Maximum Single Hourly Peak	L <sub>10</sub> (2)	L <sub>50</sub> (3)	L <sub>dn</sub> (4)
Residential <sup>5</sup> 7 a.m.-10 p.m.	70	55	45	45
Residential <sup>5</sup> 10 p.m.-7 a.m.	60	45	35	35
Commercial (anytime)	75	65	55	(6)
Industrial (anytime)	85	70	60	(6)

(1) Based on existing ambient level ranges in Long Beach and recommended U.S. Environmental Protection Agency ratios and standards for interference and annoyance.

(2) Noise levels exceeded ten per cent of the time.

(3) Noise levels exceeded fifty-per cent of the time.

(4) Day-night average sound level. The 24-hour A-weighted equivalent sound level with a 10 decibel penalty applied to nighttime levels.

(5) Includes all residential categories and all noise sensitive land uses such as hospitals, schools, etc.

(6) Since different types of commercial and industrial activities appear to be associated with different noise levels, identification of a maximum indoor level for activity interference is unfeasible.

Source: U.S. Office of Noise Abatement and Control: Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety, Arlington, Virginia; U.S. Environmental Protection Agency, March, 1974, pp. 3, 29.

Excluded are commercial living accommodations such as hotels, inns, etc. These facilities are included in the residential category since they are places where people sleep and sometimes spend long periods of time. New hotels in Long Beach are now required by State Law to comply with very strict indoor noise reduction and sound transmission control standards.

Industrial Land Uses. Include such facilities as factories, warehouses, storage and distribution areas, oil fields and rigs, the Long Beach Harbor, the Long Beach Airport, the West Side Industrial Park, the South-East Industrial lands, and other smaller but similar areas.

Recommended Indoor-Outdoor Levels. The decibel noise levels ( $L_{10}$ ,  $L_{50}$ ,  $L_{dn}$ ) were chosen to statistically describe the noise environment.  $L_{10}$  is the recommended noise level to be exceeded only ten per cent of the time,  $L_{50}$  is the limit recommended to be exceeded no more than fifty per cent of the time, and  $L_{dn}$  is the recommended day-night average sound level not to be exceeded in a 24-hour period. Using these three parameters as well as an absolute maximum limit for noise peaks, it is possible to control the background noise, extended duration of noise, frequency of repetition of peaks and exceptionally high noise peaks. Different standards for the different land use types, for daytime and nighttime, in residential areas and for indoor and outdoor environments, account for the variation in sensitivity of people with type of activity and time of day.

Uses of the Recommended Noise Criteria. A major purpose of this criteria is to recommend a numerical basis to protect public health and well-being. It is also intended to reconcile the continuation of economic activity with the desire to maintain an acceptable noise environment. The information and

maximum limits recommended in the criteria MUST be utilized along with other relevant data. These data include knowledge of the balance between costs and benefits associated with chosen noise limits, the existing ambient level, the neighborhood aspirations, and current state-of-the-art means available to control and abate noise. The levels recommended were identified irrespective of the nature of any one individual noise source. The utility of this criteria is to provide a basis by which noise regulations, exposure levels, land use planning, and zoning and building codes may be assessed. These criteria and the explanations that complement them attempt to avoid misinterpretations regarding the meaning of "desired maximum noise levels by land use categories" called for by the State guidelines. The City Planning Department Staff interpreted this subsection of the guidelines to be a requirement for a scientific recitation of available knowledge, rather than a compulsory prescription of recommended levels for noise exposure limitations. Likewise, an attempt is hereby made to avoid the misunderstanding that this document would be prescriptive of maximum levels of noise that could not be exceeded on a legal basis, but rather that it would state, as called for in the guidelines, data as to the kind and extent of all identifiable effects on the public health and welfare, which might be expected from different quantities and qualities of noise. Likewise, it is extremely important to point out that the limits recommended are not designed to deal with land use incompatibility. Finally, the City should evaluate the recommended limits more extensively prior to using them as a basis for the development of a noise ordinance. Due to the dynamic nature of the noise environment, the recommended maximum limits should be reviewed on a regular basis to determine their validity.

## CHAPTER 8.80 - NOISE

### 8.80.010 - Policy.

- A. In order to control unnecessary, excessive and annoying noise and vibration in the City, it is declared to be the policy of the City to prohibit such noise and vibration generated from or by all sources as specified in this Chapter. It shall be the policy of the City to maintain quiet in those areas which exhibit low noise levels and to implement programs aimed at reducing noise in those areas within the City where noise levels are above acceptable values.
- B. It is determined that certain noise levels and vibrations are detrimental to the public health, welfare and safety, and are contrary to the public interest. Therefore, the City Council does ordain and declare that creating, maintaining, causing or allowing to be created, caused or maintained, any noise or vibration in a manner prohibited by or not in conformity with the provisions of this Chapter is a public nuisance and shall be punishable as such.
- C. The City Council in adopting this Chapter is aware of the areas of noise control which are preempted by other jurisdictions. Enforcement of these regulations is understood by the City Council to be restricted, in addition to other limitations, by the following:
  1. It is not the intent of this Chapter to control aircraft noise at the Long Beach Airport. Federal law controls noise levels of aircraft in flight; and where federal preemption does not apply to aircraft on the ground, the appropriate provisions of the California Noise Law (Title 4, California Administrative Code, Subchapter 6) would be applicable to deal with this subject matter.
  2. Local noise control of motor vehicles or motorboats operating on public rights-of-way is preempted by State or federal laws and regulations.
  3. Noise in occupational environments is controlled by the California Department of Industrial Relations, whose Division of Industrial Safety enforces the 1973 California Occupational Safety and Health Act (CALOSHA).

(Ord. C-5371 § 1 (part), 1977; prior code § 4430)

### 8.80.020 - Definitions.

All terminology used in this Chapter, if not defined in this Section, shall have the same meaning as defined by applicable publications of the American National Standards Institute (ANSI), or its successor body.

1. "A-weighted sound level" means the sound pressure level in decibels as measured on a sound level meter using the A-weighting network. The level so read is designated dB(A) or dBA.
2. "Agricultural property" means a parcel of real property which is not developed for any use other than agricultural purposes. Its size shall be construed to be a minimum of ten (10) contiguous acres.
3. "Ambient noise level" means the composite of noise from all sources near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.
4. "Commercial area" means any area occupied by businesses which sell, rent, trade, or store goods, or which provide a service.
5. "Commercial purpose" means the use, operation or maintenance of any sound amplifying equipment for the purpose of advertising any business, goods, or services, or for the purpose of attracting the attention of the

public, or soliciting patronage of customers to any performance, show, entertainment, exhibition, or event, or for the purpose of demonstrating such sound equipment.

6. "Construction" means any site preparation, assembly, erection, substantial repair, alteration, or similar action, but excluding demolition.
7. "Cumulative period" means an additive period of time composed of individual time segments which may be continuous or interrupted.
8. "Decibel (dB)" means a unit for measuring the amplitude of a sound, equal to twenty (20) times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is twenty (20) micropascals (twenty (20) micronewtons per square meter).
9. "Demolition" means any dismantling, intentional destruction or removal of structures, utilities, public or private right-of-way surfaces or similar property.
10. "Emergency" means any occurrence or set of circumstances involving actual or imminent physical trauma or property damage which demands immediate action.
11. "Emergency work" means any work performed for the purpose of preventing or alleviating the physical trauma or property damage threatened or caused by an emergency.
12. "Fixed noise source" means a stationary device which creates sound while fixed or motionless, including, but not limited to, residential, agricultural, industrial, and commercial machinery and equipment, pumps, fans, compressors, air conditioners, and refrigeration equipment.
13. "Gross vehicle weight rating (GVWR)" means the value specified by the manufacturer as the recommended maximum loaded weight of a single motor vehicle. In cases where trailers and tractors are separable, the gross combination weight rating, which is the value specified by the manufacturer as the recommended maximum loaded weight of the combination vehicle shall be used.
14. "Impulsive sound" means sound of short duration, usually less than one (1) second, with an abrupt onset and rapid decay. Examples of sources of impulsive sound include explosions, drop forge impacts, and the discharge of firearms.
15. "Industrial area" means any area occupied by land uses whose primary operation involves manufacturing, assembling, processing, or otherwise treating raw materials, semifinished products, or finished products, for packaging and distribution to either wholesale or retail markets.
16. "Intrusive noise" means that noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency and time of occurrence, and tonal or informational content as well as the prevailing ambient noise level.
17. "Licensed" means the issuance of a formal license or a permit by a City authority; or, where no permits or licenses are issued, the sanctioning of the activity by the City as noted in the public record.
18. "Mobile noise source" means any noise source other than a fixed noise source.
19. "Motor carrier vehicle engaged in interstate commerce" means any vehicle for which regulations apply pursuant to Section 18 of the Federal Noise Control Act of 1972 (P. L. 92-574), as amended, pertaining to motor carriers engaged in interstate commerce.
20. "Motor vehicle" includes any and all self-propelled vehicles as defined in the California Motor Vehicle Code, including all on-highway type motor vehicles subject to registration under said code, and all off-highway type motor vehicles subject to identification under said code.

21. "Motorboat" means any vessel which operates on water and which is propelled by a motor, including, but not limited to, boats, barges, amphibious craft, waterski-towing devices and hovercrafts.
22. "Muffler or sound dissipative device" means a device for abating the sound of escaping gases of an internal combustion engine.
23. "Noise" means any sound which annoys or disturbs humans or which causes or tends to cause an adverse psychological or physiological effect on humans.
24. "Noise control office" means the City agency designated by the City Manager having the lead responsibility and authority to enforce this Chapter and to grant variances.
25. "Noise control officer" means the City official appointed by the City Manager to direct the noise control office.
26. "Noise disturbance" means any sound which (a) endangers or injures the safety or health of humans or animals, or (b) annoys or disturbs a reasonable person of normal sensitivities, or (c) endangers or injures personal or real property.
27. "Noise sensitive zone" means any area designated pursuant to Section 8.80.030 for the purpose of insuring exceptional quiet.
28. "Noise source" means a disturbance-causing operation which originates from a single unit or noise generating mechanism which operates simultaneously. Example of a single noise source is the combination of motor, pump, and compressor; oil drilling rig; or a power plant with several boilers.
29. "Noise zone" means defined areas or regions of a generally consistent land use community wherein the ambient noise levels are generally similar (within a range of five (5) decibels). Typically, most sites within any given noise zone will be of comparable proximity to major noise sources.
30. "Noncommercial purpose" means the use, operation or maintenance of any sound equipment for other than a commercial purpose, including, but not limited to, philanthropic, political, patriotic and charitable purposes.
31. "Person" means any individual, association, partnership or corporation, and includes any officer, employee, department, agency or instrumentality of a State or any political subdivision of a State.
32. "Powered model vehicle" means any self-propelled airborne, waterborne, or land-borne plane, vessel or vehicle which is not designed to carry persons, including, but not limited to, any model airplane, boat, car or rocket.
33. "Public right-of-way" means any street, avenue, boulevard, highway, sidewalk or alley or similar place which is owned or controlled by a governmental entity.
34. "Public space" means any real property or structures thereon which are owned or controlled by a governmental entity.
35. "Pure tone" means any sound which can be distinctly heard as a single pitch or a set of single pitches. For the purposes of this Chapter, a pure tone shall exist if the one-third ( $\frac{1}{3}$ ) octave band sound pressure level in the band with the tone exceeds the arithmetic average of the sound pressure levels of the two (2) contiguous one-third ( $\frac{1}{3}$ ) octave bands by five (5) decibels for center frequencies of five hundred (500) hertz and above and by eight (8) decibels for center frequencies between one hundred sixty (160) and four hundred (400) hertz and by fifteen (15) decibels for center frequencies less than or equal to one hundred twenty-five (125) hertz.
36. "Real property boundary" means an imaginary line along the ground surface, and its vertical extension, which separates the real property owned by one (1) person from that owned by another person, but not including

intra-building real property divisions.

37. "Residential area" means any area wherein the dominant land use is devoted to maintenance, preservation, or propagation of residential dwelling units.
38. "RMS sound pressure" means the square root of the time averaged square of the sound pressure, denoted  $P_{rms}$ .
39. "Sound" means an oscillation in pressure, particle displacement, particle velocity or other physical parameter, in a medium with internal forces that causes compression and rarefaction of that medium. The description of sound may include any characteristic of such sound, including duration, intensity and frequency.
40. "Sound amplifying equipment" means any machine or device for the amplification of the human voice, or music, or any other sound, excluding standard automobiles when used and heard only by the occupants of the vehicle in which the device is installed and, as used in this Chapter, warning devices on authorized emergency vehicles or horns or other warning devices on any vehicle used only for traffic safety purposes.
41. "Sound level" means the weighted sound pressure level obtained by the use of a sound level meter and frequency weighting network, such as A, B or C, as specified in American National Standards Institute specifications for sound level meters (ANSI S1.4-1971 or the latest approved revision thereof). If the frequency weighting employed is not indicated, the A-weighting shall apply.
42. "Sound level meter" means an instrument, including a microphone, an amplifier, an output meter, and frequency weighting networks for the measurement of sound levels, which satisfies the requirements pertinent for type S2A meters in American National Standards Institute specifications for sound level meters, S1.4-1971, or the most recent revision thereof.
43. "Sound pressure" means the instantaneous difference between the actual pressure and the average or barometric pressure at a given point in space, as produced by sound energy.
44. "Sound pressure level" means twenty (20) times the logarithm to the base ten of the ratio of the RMS sound pressure to the reference pressure of twenty (20) micropascals ( $20 \times 10^{-6} \text{ N/M}^2$ ). The sound pressure level is denoted  $L_p$  or SPL and is expressed in decibels.
45. "Sound truck" means any motor vehicle or any other vehicle, regardless of motive power, whether in motion or stationary, having mounted thereon, or attached thereto, any sound amplifying equipment.
46. "Vibration" means mechanical motion of the earth or ground, building, or other type of structure, induced by the operation of any mechanical device or equipment located upon or affixed thereto. For purposes of this Chapter, the magnitude of the vibration shall be stated as the acceleration in "g" units (1 g is equal to  $32.2 \text{ ft/sec}^2$ ,  $9.81 \text{ meters/sec}^2$ ).
47. "Weekday" means any day, Monday through Friday, which is not a federal holiday.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.1)

#### 8.80.030 - Administration and enforcement.

The noise control program established by this Chapter shall be administered by the noise control office as designated by the City Manager. An official within the noise control office shall be appointed as the Noise Control Officer and shall be a person with sufficient knowledge of environmental acoustics to enforce noise regulations.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.2 (a))

#### 8.80.040 - Noise control office—Powers.

In order to implement and enforce this Chapter and for the general purpose of noise abatement and control, the noise control office shall have, in addition to any other authority vested in it, the power to:

- A. Studies. Conduct, or cause to be conducted, studies, research, and monitoring related to noise, including joint cooperative investigation with public or private agencies, and make application for and accept grants;
- B. Education.
  - 1. Conduct programs of public education regarding:
    - a. The cause and effect of noise and general methods of abatement and control of noise, and
    - b. The actions prohibited by this Chapter and the procedures for reporting violations, and
  - 2. Encourage the participation of public interest groups in related public information efforts,
  - 3. Provide for training of field inspectors and other technical personnel concerned with noise abatement (in conformance with standards for technical qualifications as established by the State Office of Noise Control).
- C. Coordination and Cooperation.
  - 1. Coordinate the noise control activities of all municipal departments,
  - 2. Cooperate where practicable with all appropriate State and federal agencies,
  - 3. Cooperate or combine where practicable with appropriate County and municipal agencies,
  - 4. Advise on the availability of low noise emission products for replacement or retrofit of existing or planned City owned or operated equipment,
  - 5. Enter into contract with the approval of the City Manager for the provision of technical and enforcement services;
- D. Actions of Other Departments. Request any other department or agency responsible for a proposed or final standard, regulation or similar action to consult on the advisability of revising the action, if there is reason to believe that the action is not consistent with this Chapter;
- E. Public and Private Projects. On all public and private projects which are likely to cause sound in violation of this Chapter and which are subject to mandatory review or approval by other departments or agencies, or which under the environmental review process are judged to be likely to violate these regulations:
  - 1. Review to determine compliance with the intent and provisions of this Chapter,
  - 2. Recommend sound analysis which identify existing and projected noise sources and associated sound levels,
  - 3. Recommend usage of adequate measures to avoid violation of any provision of this Chapter;
- F. Inspections. Upon presentation of proper credentials, enter and/or inspect any private property, place, report, or records at any time when granted permission by the owner, or by some other person with apparent authority to act for the owner. When permission is refused or cannot be obtained, a search or inspection warrant may be obtained from a court of competent jurisdiction upon showing of probable cause to believe that a violation of this Chapter may exist. Such inspection may include administration of any necessary tests;
- G. Product Performance Standard Recommendations. Develop and recommend (to the City Council or other City agency) provision regulating the use and operation of any product, including the description of maximum sound emission levels of such product, but not in such a manner as to conflict with federal or State new

product regulations;

- H. Noise Sensitive Zone Recommendation and Enforcement. Prepare recommendations to be approved by the City Council, for the designation of noise sensitive zones which contain noise sensitive activities and to enforce the provisions of Sections 8.80.150 through 8.80.180 on City Council designated noise sensitive zones;
- I. Noise Zone Definition. Prepare recommendations, based upon noise survey data and analytical studies, to be approved by the City Council, for the designation of zones of similar ambient environmental noise within regions of generally consistent land use. These zones shall be identified in terms of their day and nighttime ambient noise levels by the classifications given in Section 8.80.160, Table A;
- J. Zoning Changes. Prior to the approval of any zoning change:
  - 1. Review the noise impact of the zoning change by identifying existing and projected noise sources and the associated sound levels,
  - 2. Require usage of adequate measures on noise sources identified in subdivision 1 of this subsection which will be in violation of any provision of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.2 (b))

#### 8.80.050 - Noise Control Officer—Duties.

In order to effectively implement and enforce this Chapter, the Noise Control Officer shall, within a reasonable time:

- A. Investigate and Pursue Violations. Investigate and pursue possible violations of this Chapter;
- B. Delegation of Authority. Delegate functions, where appropriate under this Chapter, to personnel within the noise control office and to other departments, subject to the approval of the City Manager;
- C. Community Noise Element.
  - 1. Assist in the preparation or revision thereof of the City noise element of the general plan as required by Government Code Section 65302 (g), following guidelines set forth by the State Office of Noise Control,
  - 2. Assist in or review the total transportation planning of the City, including planning for new roads and highways, bus routes, airports, and other systems for public transportation, to insure that proper consideration is taken with regard to the impact of sound levels and that the policies set forth in the noise element are adhered to,
  - 3. Provide ongoing assistance to local agencies in determining possible mitigating measures for current or future noise problems;
- D. Airport Noise Exposure. Assist the department of aeronautics in developing a plan for noise compatible land use in the vicinity of the Long Beach Airport and maintain consistency with the provisions and policies of the noise element of the general plan;
- E. State and Federal Laws and Regulations.
  - 1. Prepare and publish with the approval of the City Council a list of those products manufactured to meet specified noise emission limits under federal, State or community law for which tampering enforcement will be conducted, and
  - 2. Make recommendations for modification or amendments to this Chapter to insure consistency with all State and federal laws and regulations;

- F. Administer Grants, Funds and Gifts. Administer noise program grants, funds and gifts from public and private sources including the State and federal governments;
- G. Monitoring Responsibilities. Notwithstanding the preemption by federal and State agencies of the enforcement powers over certain activities, such as those at the Long Beach Airport and at the Long Beach Marine Stadium, the Noise Control Officer shall monitor noise generated by such preempted activities and report any violations of State or federal regulations to the appropriate enforcement agencies and to the City Council.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.2 (c))

#### 8.80.060 - City departments—Policy conformance.

All departments shall, to the fullest extent consistent with their authorities under other ordinances administered by them, carry out their programs in such a manner as to further the policies stated in Section 8.80.010.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (a))

#### 8.80.070 - City departments—Cooperation.

All departments shall cooperate with the noise control office to the fullest extent in enforcing the noise regulations of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (b))

#### 8.80.080 - City departments—Legal compliance.

All departments engaged in any activities which result or may result in the emission of noise, shall comply with federal and State laws and regulations, as well as the provisions of this Chapter, respecting the control and abatement of noise to the same extent that any person is subject to such laws and regulations.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (c))

#### 8.80.090 - City departments—Project approval.

Each department whose duty it is to review and approve new projects or changes to existing projects that result, or may result, in the emission of noise shall consult with the noise control office prior to any such approval.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (d))

#### 8.80.100 - City departments—Review of actions.

If at any time the Noise Control Officer has reason to believe that a standard, regulation, or action or proposed standard, regulation or action of any department respecting noise does not conform to the intent of Section 8.80.010, he may request such department to review and report to him on the advisability of revising such standard or regulation to conform.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (e))

#### 8.80.110 - City departments—Contract compliance.

Any written agreement, purchase order, or instrument whereby the City is committed to the expenditure of funds in return for work, labor, services, supplies, equipment, materials, or any combination of the foregoing, shall not be entered into unless such agreement, purchase order, or instrument contains provisions requiring that any equipment or activities which are subject to the provisions of this Chapter will be operated, constructed, conducted, or manufactured without causing violation of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (f))

#### 8.80.120 - City departments—Low noise emission product use.

Any product which has been certified by the Administrator of the United States Environmental Protection Agency pursuant to Section 15 of the Noise Control Act of 1972 as a low noise emission product and which is determined to be suitable for use as a substitute shall be used in preference to any other product where economically feasible.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (g))

#### 8.80.130 - Disturbing noises prohibited.

- A. Notwithstanding any other provision of this Chapter, and in addition thereto, it is unlawful for any person to willfully make or continue, or cause to be made or continued, a loud, unnecessary or unusual noise which disturbs the peace and quiet of any neighborhood or which causes any discomfort or annoyance to any reasonable person of normal sensitiveness residing in the area.
- B. The standards which shall be considered in determining whether a violation of the provisions of this Section exist shall include, but not be limited to the following:
  1. The sound level of the objectionable noise;
  2. The sound level of the ambient noise;
  3. The proximity of the noise to residential sleeping facilities;
  4. The nature and zoning of the area within which the noise emanates;
  5. The density of the inhabitation of the area within which the noise emanates;
  6. The time of day or night the noise occurs;
  7. The duration of the noise and its tonal, informational or musical content;
  8. Whether the noise is continuous, recurrent, or intermittent;
  9. Whether the noise is produced by a commercial or noncommercial activity.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.4)

#### 8.80.140 - Noise measurement procedure.

The measurement procedure presented in this Section assumes that personnel performing the noise measurements have been trained in the use of the instruments and in interpretation of measured data. Upon receipt of a complaint from a citizen, the Noise Control Officer, or his agent, equipped with sound level measurement equipment satisfying the requirements specified in Section 8.80.020, shall investigate the complaint. The investigation shall consist of a measurement and the gathering of data to adequately define the noise problem as specified in the California Office of Noise Control Model Enforcement Manual, and shall include the following:

- A. Nonacoustic Data.
1. Type of noise source;
  2. Location of noise source relative to complainant's property;
  3. Time period during which noise source is considered by complainant to be intrusive;
  4. Total duration of noise produced by noise source;
  5. Date and time of noise measurement survey.
- B. Procedure. Utilizing the A weighting scale of the sound level meter and the slow meter response, the noise level shall be measured at a position or positions along the complainant's property line closest to the noise source or at the location along the boundary line where the noise level is at a maximum. In general, the microphone shall be located five feet (5') above the ground; ten feet (10') or more from the nearest reflective surface, where possible. However, in those cases where another elevation is deemed appropriate, the latter shall be utilized. If the noise complaint is related to interior noise levels, interior noise measurements shall be made at a point at least four feet (4') from the wall, ceiling or floor nearest the noise source with windows in the normal seasonal configuration. Calibration of the instrument being used shall be performed immediately prior to and following the recording of any noise data utilizing the acoustic calibrator.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.5)

8.80.150 - Exterior noise limits—Sound levels by receiving land use district.

- A. The noise standards for the various land use districts identified by the noise control office as presented in Table A in Section 8.80.160 shall, unless otherwise specifically indicated, apply to all such property within a designated district.
- B. No person shall operate or cause to be operated any source of sound at any location within the incorporated limits of the City or allow the creation of any noise on property owned, leased, occupied, or otherwise controlled by such person, which causes the noise level when measured from any other property, either incorporated or unincorporated, to exceed:
1. The noise standard for that land use district as specified in Table A in Section 8.80.160 for a cumulative period of more than thirty (30) minutes in any hour; or
  2. The noise standard plus five (5) decibels for a cumulative period of more than fifteen (15) minutes in any hour; or
  3. The noise standard plus ten (10) decibels for a cumulative period of more than five (5) minutes in any hour; or
  4. The noise standard plus fifteen (15) decibels for a cumulative period of more than one (1) minute in any hour; or
  5. The noise standard plus twenty (20) decibels or the maximum measured ambient, for any period of time.
- C. If the measured ambient level exceeds that permissible within any of the first four (4) noise limit categories in Subsection B of this Section, the allowable noise exposure standard shall be increased in five (5) decibels increments in each category as appropriate to encompass or reflect the ambient noise level. In the event the ambient noise level exceeds the fifth noise limit category in Subsection B of this Section, the maximum allowable noise level under said category shall be increased to reflect the maximum ambient noise level.
- D. If the measurement location is on a boundary between two (2) different districts, the noise level limit applicable

shall be the arithmetic mean of the two (2) districts.

- E. If possible, the ambient noise shall be measured at the same location along the property line utilized in Subsection B of this Section, with the alleged offending noise source inoperative. If for any reason the alleged offending noise source cannot be shut down, then the ambient noise must be estimated by performing a measurement in the same general area of the source but at a sufficient distance such that the offending noise from the source is inaudible. If the difference between the noise levels with noise source operating and not operating is six (6) decibels or greater, then the noise measurement of the alleged source can be considered valid with a small correction applied to account for the contribution of the ambient noise. The correction is to be applied in accordance with data shown in Table B in Section 8.80.160.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.6 (a))

8.80.160 - Exterior noise limits—Correction for character of sound.

In the event that alleged offensive noise contains a steady audible tone such as a whine, screech, or hum, or is a repetitive noise such as hammering or riveting or contains music or speech conveying informational content, the standard limits set forth in Table A shall be reduced by five (5) decibels.

**Table A  
EXTERIOR NOISE LIMITS**

Receiving Land Use District*	Time Period	Noise Level** (dBA)
District One	Night:  10:00 p.m.—7:00 a.m.	45
	Day:  7:00 a.m.—10:00 p.m.	50
District Two	Night:  10:00 p.m.—7:00 a.m.	55
	Day:  7:00 a.m.—10:00 p.m.	60
District Three	Any time	65
District Four	Any time	70
District Five	Regulated by other agencies and laws	

\*District One: Predominantly residential with other land use types also present

District Two: Predominantly commercial with other land use types also present

Districts Three and Four: Predominantly industrial with other land types use also present

District Five: Airport, freeways and waterways regulated by other agencies

\*\* Districts Three and Four limits are intended primarily for use at their boundaries rather than for noise control within those districts.

**Table B**  
**BACKGROUND NOISE CORRECTION**

Difference between total noise and background noise alone (decibels)	Amount to be subtracted from
6—8	1
9—10	.5



All	School	7:00 a.m.—10:00 p.m. (While school is in session)	45
Hospital, designated quiet zones and noise sensitive zones		Any time	40

B. No person shall operate, or cause to be operated, any source of sound indoors at any location within the incorporated limits of the City or allow the creation of any indoor noise which causes the noise level when measured inside the receiving dwelling unit to exceed:

1. The noise standard for that land use district as specified in Table C for a cumulative period of more than five (5) minutes in any hour; or
2. The noise standard plus five decibels (5 dB) for a cumulative period of more than one (1) minute in any hour; or
3. The noise standard plus ten decibels (10 dB) or the maximum measured ambient, for any period of time.

C. If the measured indoor ambient level exceeds that permissible within any of the first two (2) noise limit categories in this Section, the allowable noise exposure standard shall be increased in five decibel (5 dB) increments in each category as appropriate to reflect the indoor ambient noise level. In the event the indoor ambient noise level exceeds the third noise limit category, the maximum allowable indoor noise level under said category shall be increased to reflect the maximum indoor ambient noise level.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.7(a))

#### 8.80.180 - Interior noise limits—Correction for character of sound.

In the event the alleged offensive noise contains a steady audible tone such as a whine, screech or hum, or is a repetitive noise such as hammering or riveting, or contains music or speech conveying information content, the standard limits set forth in Table C in Section 8.80.170 shall be reduced by five decibels (5 dB).

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.7(b))

#### 8.80.190 - Noise disturbances—Prohibited.

No person shall unnecessarily make, continue or cause to be made or continued, any noise disturbance.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.8(a))

#### 8.80.200 - Noise disturbances—Acts specified.

The following acts, and the causing or permitting thereof, are declared to be in violation of this Chapter:

- A. Radios, television sets, musical instruments and similar devices. Operating, playing or permitting the

operation or playing of any radio, television set, phonograph, drum, musical instrument, or similar device which produces or reproduces sound:

1. Between the hours of ten p.m. and seven a.m. the following day in such a manner as to create a noise disturbance across a residential or commercial real property line or at any time to violate the provisions of Sections 8.80.150 or 8.80.170 except for activities for which a variance has been issued by the noise control office,
  2. In such a manner as to exceed the levels set forth in Table A in Section 8.80.160, measured at a distance of at least fifty feet (50') (fifteen (15) meters) from such device operating on a public right-of-way or public space;
- B. Loudspeakers (amplified sound). Using or operating for any purpose any loudspeaker, loudspeaker system, or similar device between the hours of ten p.m. and seven a.m. the following day, such that the sound therefrom creates a noise disturbance across a residential real property line, or at any time violates the provisions of Sections 8.80.150 or 8.80.170, except for any noncommercial public speaking, public assembly or other activity for which a variance has been issued by the noise control office;
- C. Street sales. Offering for sale, selling anything or advertising by shouting or outcry within any residential or commercial area or noise sensitive zone of the City except by variance issued by the noise control office. The provisions of this subsection shall not be construed to prohibit the selling by outcry of merchandise, food and beverages at licensed sporting events, parades, fairs, circuses or other similar licensed public entertainment events;
- D. Animals and birds. Owning, possessing or harboring any animal or bird which frequently or for continued duration howls, barks, meows, squawks, or makes other sounds which create a noise disturbance across a residential or commercial real property line or within a noise sensitive zone. This provision shall not apply to public zoos;
- E. Loading and unloading. Loading, unloading, opening, closing or other handling of boxes, crates, containers, building materials, garbage cans, or similar objects between the hours of ten p.m. and seven a.m. the following day in such a manner as to cause a noise disturbance across a residential real property line or at any time to violate the provisions of Sections 8.80.150 and 8.80.170;
- F. Repealed;
- G. Vibration. Operating or permitting the operation of any device that creates vibration which is above the vibration perception threshold of an individual at or beyond the property boundary of the source if on private property or at one hundred fifty feet (150') (forty-six (46) meters) from the source if on a public space or public right-of-way. For the purposes of this subsection, "vibration perception threshold" means the minimum ground or structure-borne vibrational motion necessary to cause a normal person to be aware of the vibration by such directed means as, but not limited to, sensation by touch or visual observation of moving objects. The perception threshold shall be presumed to be .001 g's in the frequency range 0—30 hertz and .003 g's in the frequency range between thirty and one hundred hertz;
- H. Explosives, firearms and similar devices. Using or firing explosives, firearms, firecrackers or similar devices such that the sound therefrom creates a noise disturbance across a real property line, or within a noise sensitive zone, public space or public right-of-way, without first obtaining a variance issued by the noise control office or other appropriate regulatory agency;
- I. Powered model vehicles. Operating or permitting the operation of powered model vehicles:

1. Between the hours of seven p.m. and seven a.m. the following day so as to create a noise disturbance across or commercial real property line or at any time to violate the provisions of Sections 8.80.150 or 8.80.170,
  2. In such a manner as to exceed the levels set forth in Table A in Section 8.80.160 measured at a distance not less than one hundred feet (100') (thirty (30) meters) from any point on the path of a vehicle operating on public space or public right-of-way;
- J. Stationary nonemergency signaling devices.
1. Sounding or permitting the sounding of any electronically amplified signal from any stationary bell, chime, siren, whistle, or similar device, intended primarily for nonemergency purposes, from any place, for more than ten (10) seconds in any hourly period,
  2. Houses of religious worship and chimes in the civic center shall be exempt from the operation of this provision,
  3. Sound sources covered by this provision and not exempted under Subsection 8.80.200.J.2 of this Section may be exempted by a variance issued by the noise control office;
- K. Emergency signaling devices.
1. The intentional sounding or permitting the sounding outdoors of any fire, burglar or civil defense alarm, siren, whistle or similar stationary emergency signaling device, except for emergency purposes or for testing, as provided in Subsection 8.80.200.K.2 of this Section,
  2. a. Testing of a stationary emergency signaling device shall not occur before seven a.m. or after seven p.m. Any such testing shall only use the minimum cycle test time. In no case shall such test time exceed ten (10) seconds,
    - b. Testing of the complete emergency signaling system, including the functioning of the signaling device and the personnel response to the signaling device shall not occur more than once in each calendar month. Such testing shall not occur before seven a.m. or after ten p.m. The time limit specified in Subsection 8.80.200.K.2.a of this Section shall not apply to such complete system testing,
  3. Sounding or permitting the sounding of any exterior burglar or fire alarm unless such alarm is automatically terminated within fifteen (15) minutes of activation;
- L. Noise sensitive zones.
1. Creating or causing the creation of any sound within any noise sensitive zone, so as to exceed the specified land use noise standards set forth in Sections 8.80.150 and 8.80.170, or
  2. Creating or causing the creation of any sound within or adjacent to any noise sensitive zone containing a hospital, nursing home, school, court or other designated use so as to interfere with the functions of such activity or annoy the patients or participants of such activity;
- M. Domestic power tools.
1. Operating or permitting the operation of any mechanically powered saw, sander, drill, grinder, lawn or garden tool, or similar tool between ten p.m. and seven a.m. the following day so as to create a noise disturbance across a residential or commercial real property line,
  2. Any motor, machinery, pump, etc., shall be sufficiently enclosed or muffled and maintained so as not to create a noise disturbance,
  3. Operating leaf blowers, consisting of portable power equipment used in any landscape maintenance, construction, property repair or property maintenance for the purpose of blowing, dispersing or

redistributing dust, dirt, leaves, grass clippings, cuttings, or trimmings from plants, trees or other debris is unlawful if operated within any residential area or in any nonresidential area within four hundred feet (400') of any residential area in the City between the hours after eight p.m. and before eight a.m. Monday through Friday, after five p.m. and before nine a.m. on Saturdays, and after five p.m. and before eleven a.m. on Sundays and legal holidays. Notwithstanding the provisions of Section 8.80.380, violations of this Subsection 8.80.200.M.3 shall be infractions except as specifically provided in this Section. The first violation in any one (1) year period shall be subject to a fine of fifty dollars (\$50.00); a second violation in any one (1) year period shall be subject to a fine of seventy-five dollars (\$75.00); a third violation in any one (1) year period shall be subject to a fine of one hundred dollars (\$100.00). A fourth or subsequent violation of this Subsection in any one (1) year period may be filed as a misdemeanor. Notwithstanding the provisions of any other Section in this Chapter, the provisions of this subsection may be enforced by a Police Officer;

N. Air-conditioning or air refrigerating equipment. Operating or permitting the operation of any air-conditioning or air refrigerating equipment in such a manner as to exceed any of the following sound levels measured as specified in the American Society of Heating, Refrigeration and Air Conditioning Engineers Code of Recommended Practices:

Measurement Location	Units Installed Before 1-1-80 dB (A)	Units Installed On Or After 1-1-80 dB (A)
Any point on neighboring property line, five feet above grade level, no closer than three feet from any wall	60	55
Center of neighboring patio five feet above grade level, no closer than three feet from any wall	55	50
Outside the neighboring living area window nearest the equipment location, not more than three feet from the window opening, but at least three feet from any other surface	55	50

In case of conflict, the interior noise standards as specified in Section 8.80.170 shall nonetheless apply;

O. Places of public entertainment. Operating or permitting to be operated any loudspeaker or other source of sound in any place of public entertainment that exceeds the levels shown in Table D at any point normally occupied by a customer, without a conspicuous and legible sign stating

"WARNING, SOUND LEVELS WITHIN MAY CAUSE PERMANENT HEARING IMPAIRMENT."

Table D  
 MAXIMUM LEVELS ALLOWED IN PLACES  
 OF PUBLIC ENTERTAINMENT

Duration Per Day Continuous Hours	Noise Level dB (A)
8	85
6	86
4	88
3	89
2	91
1 ½	92
1	94
½	97
¼ or less	100

P. Tampering. The following acts or the causing thereof are prohibited:

1. The removal or rendering inoperative by any person other than for purposes of maintenance, repair, or replacement, of any noise control device or element of design or noise label of any product identified under Subsection 8.80.040.G and Subsection 8.80.050.C. The Noise Control Officer may, by regulation, list those acts which constitute violation of this provision,
2. The use of a product, identified under Subsection 8.80.040.G and Subsection 8.80.050.C, which has had a noise control device or element of design or noise label removed or rendered inoperative with knowledge that such action has occurred.

(Ord. C-7745 § 1, 2001; Ord. C-7175 § 1, 1994; Ord. C-6474 § 2, 1988; Ord. C-6036 § 1, 1984; Ord. C-5371 § 1 (part), 1977: prior code § 4430.8(b))

#### 8.80.202 - Construction activity—Noise regulations.

The following regulations shall apply only to construction activities where a building or other related permit is required or was issued by the Building Official and shall not apply to any construction activities within the Long Beach harbor district as established pursuant to Section 201 of the City Charter.

- A. Weekdays and federal holidays. No person shall operate or permit the operation of any tools or equipment used for construction, alteration, repair, remodeling, drilling, demolition or any other related building activity which produce loud or unusual noise which annoys or disturbs a reasonable person of normal sensitivity

between the hours of seven p.m. and seven a.m. the following day on weekdays, except for emergency work authorized by the Building Official. For purposes of this Section, a federal holiday shall be considered a weekday.

- B. Saturdays. No person shall operate or permit the operation of any tools or equipment used for construction, alteration, repair, remodeling, drilling, demolition or any other related building activity which produce loud or unusual noise which annoys or disturbs a reasonable person of normal sensitivity between the hours of seven p.m. on Friday and nine a.m. on Saturday and after six p.m. on Saturday, except for emergency work authorized by the Building Official.
- C. Sundays. No person shall operate or permit the operation of any tools or equipment used for construction, alteration, repair, remodeling, drilling, demolition or any other related building activity at any time on Sunday, except for emergency work authorized by the Building Official or except for work authorized by permit issued by the Noise Control Officer.
- D. Owner's/employer's responsibility. It is unlawful for the landowner, construction company owner, contractor, subcontractor or employer of persons working, laboring, building, or assisting in construction to permit construction activities in violation of provisions in this Section.
- E. Sunday work permits. Any person who wants to do construction work on a Sunday must apply for a work permit from the Noise Control Officer. The Noise Control Officer may issue a Sunday work permit if there is good cause shown; and in issuing such a permit, consideration will be given to the nature of the work and its proximity to residential areas. The permit may allow work on Sundays, only between nine a.m. and six p.m., and it shall designate the specific dates when it is allowed.
- F. Enforcement. Notwithstanding the provisions of Sections 8.80.370 and 8.80.380, this Section may be enforced by a Police Officer.

Any person who violates any provision of this Section is guilty of a misdemeanor and shall be fined in an amount not to exceed five hundred dollars (\$500.00), or be imprisoned for a period not to exceed one hundred eighty (180) days, or by both such fine and imprisonment. Each day that a violation occurs shall constitute a separate offense and shall be punishable as such.

Whenever an employee is prosecuted for a violation of this noise control ordinance, the court shall, at the request of the employee, take appropriate action to make the landowner, construction company owner, contractor, subcontractor or employer a codefendant.

(Ord. C-6488 § 1, 1988; Ord. C-6474 § 1, 1988)

#### 8.80.210 - Refuse collection vehicles.

No person shall collect refuse with a refuse collection vehicle between the hours of seven p.m. and seven a.m. the following day in a residential area or noise sensitive zone.

(Ord. C-5371 § 1 (part), 1981; prior code § 4430.9(a))

#### 8.80.220 - Motor vehicle horns.

It is unlawful for any person within the City to sound a vehicular horn within any residential zone except as a warning signal, as provided in the Vehicle Code of the State.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.9(b))

8.80.230 - Recreational motorized vehicles operating off the public right-of-way.

No person shall operate or cause to be operated any recreational motorized vehicle off a public right-of-way in such a manner that the sound level emitted therefrom violates the provisions of Sections 8.80.150 and 8.80.170. This Section shall apply to all recreational motorized vehicles, whether or not duly licensed and registered, including, but not limited to, commercial or noncommercial racing vehicles, motorcycles, go-carts, amphibious craft, campers, and dune buggies, but not including motorboats.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.9(c))

8.80.240 - Vehicle, motorboat or aircraft repair and testing.

- A. Repairing, rebuilding, modifying or testing any motor vehicle, motorboat or aircraft in such a manner as to create a noise disturbance across a residential real property line, or at any time to violate the provisions of Sections 8.80.150 or 8.80.170 shall not be permitted except where said activities are directly related to officially sanctioned events.
- B. This provision shall not apply to aircraft within the airport property or within any other aviation-related property abutting it.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.9(d))

8.80.250 - Exemption—Emergencies.

The provisions of this Chapter shall not apply to:

- A. The emission of sound for the purpose of alerting persons to the existence of an emergency; or
- B. The emission of sound in the performance of emergency work.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10(a))

8.80.260 - Exemption—Oil and gas wells.

The provisions of this Chapter shall not apply to:

- A. Normal well servicing, remedial or maintenance work performed within an existing well which does not involve drilling or re-drilling and which is restricted to the hours between seven a.m. and seven p.m., exclusive of weekends and holidays, in residential areas;
- B. Any drilling or re-drilling work which is done in full compliance with Subsection 8.80.040.E and Sections 8.80.060 through 8.80.120, and with the soundproofing and all other requirements of Section 12.32.030.

(Ord. C-5576 § 1, 1980; Ord. C-5371 § 1 (part), 1977: prior code § 4430.10(b))

8.80.270 - Exemption—Warning devices.

Warning devices necessary for the protection of public safety as, for example, police, fire and ambulance sirens and train horns shall be exempted from the provisions of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10(c))

8.80.280 - Exemption—Entertainment events.

The provisions of this Chapter shall not apply to occasional outdoor or indoor gatherings, public dances, shows and sporting and entertainment events, provided said events are conducted pursuant to a permit or license or other entitlement issued by the City relative to the staging of said events.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (d))

8.80.290 - Exemption—From exterior noise standards.

The provisions of Section 8.80.150 shall not apply to activities covered by the following Sections:

- A. Section 8.80.200 C, street sales;
- B. Section 8.80.200 D, animals and birds;
- C. Section 8.80.200 J, stationary nonemergency signaling devices;
- D. Section 8.80.200 K, emergency signaling devices;
- E. Section 8.80.200 M, domestic power tools;
- F. Section 8.80.200 N, air conditioning or air refrigerating equipment; and
- G. Section 8.80.210, refuse collection vehicles.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (e))

8.80.300 - Abatement of nonconforming industrial noise sources.

- A. **Intent.** It is the intent of this Section to recognize that the eventual abatement, as expeditiously and as fairly as possible, of existing noise sources that are not in conformity with the provisions of this Chapter is as important as the prohibition of new noise sources that would violate the provisions of this Chapter. It is the intent of this Section that any abatement of nonconforming industrial noise sources shall be effected so as to avoid any undue hardship.
- B. **Abatement.** All existing nonconforming industrial noise sources shall be granted an amortization period of ten (10) years from the effective date of this Chapter to bring their existing facilities into compliance with this Chapter; provided, that:
  - 1. They are located in industrial districts delineated in the City zoning ordinance or are located in accordance with a valid special use permit at the time of adoption of this Chapter;
  - 2. They are not changed to another industrial use during the amortization period;
  - 3. They are not altered so as to increase or intensify their noise generation;
  - 4. If they are structurally expanded during the amortization period, the new portion must immediately meet the standards of this Chapter;
  - 5. If they should be rebuilt after damage or destruction of more than fifty percent (50%) of the preexisting value, they must be rebuilt in such a manner as to immediately meet the standards of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (f))

8.80.310 - Exemption—Federal or State preempted activities.

The provisions of this Chapter shall not apply to any other activity to the extent regulation thereof has been preempted by State or federal law.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10(g))

#### 8.80.320 - Conflicting regulations.

- A. These regulations are not intended to abrogate or impair the provisions of any other section of this Code which is not in conflict with the provisions of this Chapter. However, where these regulations are more restrictive than those of other laws, regulations or covenants, these regulations shall control.
- B. Upon written request, the noise control office is authorized to issue official interpretations of this Chapter without public hearing.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (h))

#### 8.80.330 - Exemption—Public health, welfare and safety activities.

The provisions of this Chapter shall not apply to construction maintenance and repair operations conducted by public agencies and/or utility companies or their contractors which are deemed necessary to serve the best interests of the public and to protect the public health, welfare and safety, including, but not limited to, street sweeping, debris and limb removal, removal of downed wires, restoring electrical service, repairing traffic signals, unplugging sewers, vacuuming catchbasins, repairing of damaged poles, removal of abandoned vehicles, repairing of water hydrants and mains, gas lines, oil lines, sewers, storm drains, roads, sidewalks, etc.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (i))

#### 8.80.340 - Variance—Exemption from regulations.

- A. The Noise Control Officer is authorized to grant variances for exemption from any provision of this Chapter, subject to limitations as to area, noise levels, time limits, and other terms and conditions as the Noise Control Officer determines are appropriate to protect public health, safety and welfare from the noise emanating therefrom. This Section shall in no way affect the obligation to obtain any permit or license required by law for such activities.
- B. Any person seeking a variance shall file an application with the noise control office. The application shall contain information which demonstrates that bringing the source of sound or activity for which the variance is sought into compliance with this Chapter would create an unreasonable hardship on the applicant, on the community, or on other persons. The application shall be accompanied by a fee in the amount set by resolution of the City Council. A separate application shall be filed for each noise source; provided, however, that several fixed sources on a single property may be combined into one (1) application. Notice of an application for a variance shall be published according to rules established by the noise control office; all residents whom the Noise Control Officer determines may be adversely affected by the noise shall be notified. Any individual who claims to be adversely affected by the issuance of the variance may file a statement with the noise control office containing any information to support his claim. If at any time the Noise Control Officer finds that a sufficient controversy exists regarding an application, a public hearing will be held.
- C. In determining whether to grant or deny the application, the Noise Control Officer shall balance the hardship on

the applicant, the community, or other persons by not granting the variance against the adverse impact on the health, safety and welfare of persons affected, the adverse impact on property affected, and any other adverse impact by granting the variance. Applicants for variances and persons contesting variances may be required to submit such information as the noise control office may reasonably require. In granting or denying an application, the Noise Control Officer shall keep a public record of the decision and the reasons for denying or granting the variance.

- D. A variance shall be granted by written notice to the applicant containing all necessary conditions, including a time limit on the permitted activity. The variance shall not become effective until all conditions are agreed to by the applicant. Noncompliance with any condition of the variance shall terminate the variance.
- E. The term of a variance may not exceed three hundred sixty-five (365) days from the date of issuance. An application for extension of time limits specified in a variance or for modification of other substantial conditions shall be treated as an application for a new variance.
- F. The Noise Control Officer will issue guidelines defining the procedures to be followed in applying for a variance and the criteria to be considered in deciding whether to grant a variance.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.11(a))

#### 8.80.350 - Variance—Time to comply.

Within ninety (90) days following the effective date of this Chapter, the owner of any commercial or industrial source of sound may apply to the noise control office for a time variance to comply with the provisions of this Chapter. The Noise Control Officer shall have the authority, consistent with these Sections 8.80.340 through 8.80.360, to grant a time variance (not to exceed one hundred eighty (180) days from the effective date of this Chapter). The same procedures and considerations by the Noise Control Officer as provided in Section 8.80.340 shall likewise apply.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.11(b))

#### 8.80.360 - Variance—Appeal to decision.

Within ten (10) days after notice by the Noise Control Officer or denial or conditional approval of a variance, or within ten (10) days after the effective date of the revocation of a variance by the Noise Control Officer, the affected person may appeal to the City Council, in writing. The City Council, after notice and a public hearing, may sustain, reverse or modify the decision of the Noise Control Officer; such order may be made subject to specified conditions.

- A. Filing Fee. The appeal shall be filed in triplicate with the City Clerk at the City Hall, 333 West Ocean Boulevard, Long Beach, California, along with the payment of a fee in the amount set by resolution of the City Council. A copy of the appeal shall also be served on the Noise Control Officer.
- B. Contents of Appeal. An appeal to review a denial or conditional approval of a variance shall contain the application, a copy of the Noise Control Officer's action setting forth the reasons for the denial or the conditions of the approval, and the reasons for appeal. An appeal to review a variance revocation shall include a copy of the variance, the Noise Control Officer's revocation notice, and his reasons for revocation, and the reasons for appeal.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.11(c))

#### 8.80.370 - Violation—Presumed.

Any noise exceeding the level limit which can be attributed to a specific facility in a designated noise district as specified in Sections 8.80.150 through 8.80.180, or the prohibited actions specified in Sections 8.80.190 and 8.80.200 shall be presumed to be a violation of the provisions of these regulations. Enforcement of noise control regulations shall be undertaken only upon receipt of a written sworn complaint made by a person who resides or owns property within the noise district into which the alleged noise intrudes.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(a))

#### 8.80.380 - Violation—Penalty.

Any person found in violation of any of the provisions of this Chapter upon a documented determination and the failure to comply with an abatement order or other notice issued by the Noise Control Officer and subsequently convicted in a court of competent jurisdiction for such violation will be deemed guilty of a misdemeanor and shall be fined in an amount not to exceed five hundred dollars (\$500.00), or be imprisoned for a period not to exceed one hundred eighty (180) days, or by both such fine and imprisonment. Each day (after the Noise Control Officer has made a documented determination and has issued an abatement order) that a violation is permitted to continue shall constitute a separate offense and shall be punishable as such.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(b))

#### 8.80.390 - Violation—Abatement order.

- A. Except as provided in Subsection 8.80.390.B, in lieu of issuing a notice of violation as provided in Section 8.80.400, the Noise Control Officer may issue an order requiring the abatement of a sound source alleged to be in violation within a reasonable time period and according to guidelines adopted by the noise control office.
- B. An abatement order shall not be issued for any violation when the Noise Control Officer or other enforcement agency has reason to believe that there will not be compliance with an abatement order.
- C. No further action shall be taken in the event that the cause of the violation has been removed and the condition abated or fully corrected within the time period specified in the written notice.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(c))

#### 8.80.400 - Violation—Notice.

Except where a person is acting in good faith to comply with an abatement order issued pursuant to Subsection 8.80.390.A, violation of any provision of this Chapter shall be cause for a notice of violation to be issued by the Noise Control Officer or other responsible enforcement official according to procedures which the noise control office may prescribe. Thereafter, the City may resort to any other appropriate legal action as provided by law.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(d))

#### 8.80.410 - Violation—Additional remedies.

As an additional remedy, the operation or maintenance of any device, instrument, vehicle or machinery in violation of any provision of this Chapter, which operation or maintenance causes or creates sound levels or vibration exceeding the allowable limits as specified in this Chapter, shall be deemed and is declared to be a public nuisance and may be subject to

abatement summarily by a restraining order or injunction issued by a court of competent jurisdiction. Additionally, no provision of this Chapter shall be construed to impair any common law or statutory cause of action, or legal remedy therefrom, of any person for injury or damage arising from any violation of this Chapter or from other law.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(e))

## Noise Barrier Design Handbook

### 3. Acoustical Considerations

This section describes the acoustical considerations associated with highway *noise barrier* design, beginning with a brief technical discussion on the fundamentals of highway traffic noise.

#### 3.1 Characteristics of Sound

Highway traffic noise originates primarily from three discrete sources: truck exhaust stacks, vehicle engines, and tires interacting with the pavement. These sources each produce *sound energy* that, in turn, translates into tiny fluctuations in atmospheric pressure as the sources move and vibrate. These sound pressure fluctuations are most commonly expressed as *sound pressure* and measured in units of micro Newtons per square meter ( $\mu\text{N}/\text{m}^2$ ), or micro Pascals ( $\mu\text{Pa}$ ). Typical sound pressure amplitudes can range from 20 to 200 million  $\mu\text{Pa}$ . Because of this wide range, sound pressure is measured on a logarithmic scale known as the *decibel* (dB) scale. On this scale, a value of 0 dB is equal to a *sound pressure level (SPL)* of 20  $\mu\text{Pa}$  and corresponds to the threshold of hearing for most humans. A value of 140 dB is equal to an SPL of 200 million  $\mu\text{Pa}$ , which is the threshold of pain for most humans.[ref.17](#)

The following figure shows a scale relating various sounds encountered in daily life and their approximate decibel values:

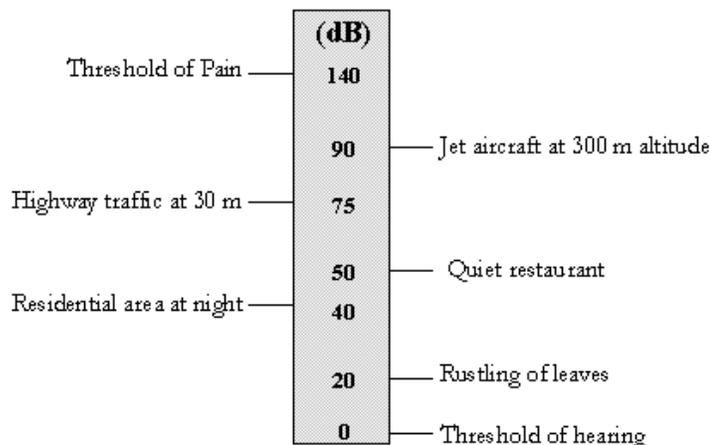


Figure 5. Decibel scale

To express a sound's energy, or sound pressure in terms of SPL, or dB, the following equation is used:

$$\text{SPL} = 10 \cdot \log_{10} \left( \frac{p}{p_{\text{ref}}} \right)^2 \text{ dB}$$

where:  $p$  is the sound pressure; and

$p_{\text{ref}}$  is the reference sound pressure of 20  $\mu\text{Pa}$

Conversely, sound energy is related to SPL as follows:

$$\left( \frac{p}{p_{\text{ref}}} \right)^2 = 10^{(\text{SPL}/10)}$$

The above relationships are important in understanding the way decibel levels are combined, i.e., added or subtracted. That is, because decibels are expressed on a logarithmic scale, they cannot be combined by simple addition. For example, if a single vehicle pass-by produces an SPL of 60 dB at a distance of 15 m (50 ft) from a roadway, two identical vehicle pass-bys would not produce an SPL of 120 dB. They would, in fact, produce an SPL of 63 dB. To combine decibels, they must first be converted to energy, then added or subtracted as appropriate,

and reconverted back to decibels. The following table may be used as an approximation to adding decibel levels (Note: Table approximations are within ±1 dB of the exact value).

**Table 1. Decibel addition approximation.**

When two decibel values differ by (dB)	Add to higher value (dB)	Example
0 to 1	3	50 + 51 = 54
2 to 3	2	62 + 65 = 67
4 to 9	1	65 + 71 = 72
10 or more	0	55 + 65 = 65

The above table can also be used to approximate the sum of more than two decibel values. First, rank the values from low to high, then add the values two at a time. For example:

60 dB + 60 dB + 65 dB + 75 dB	= (60 dB + 60 dB) + 65 dB + 75 dB
	= 63 dB + 65 dB + 75 dB
	= (63 dB + 65 dB) + 75 dB
	= 67 dB + 75 dB
	= 76 dB

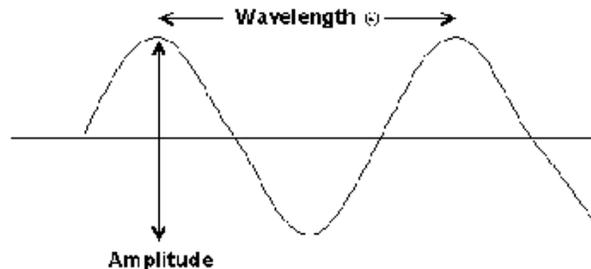
In the above example, the exact value would be computed as follows:

$$60 \text{ dB} + 60 \text{ dB} + 65 \text{ dB} + 75 \text{ dB} = 10 \cdot \log_{10} [10^{(60/10)} + 10^{(60/10)} + 10^{(65/10)} + 10^{(75/10)}]$$

$$= 75.66 \text{ dB}$$

The next characteristic of sound is its *amplitude*, or loudness. As stated earlier, sound sources produce sound energy that, in turn, translates into tiny fluctuations in atmospheric pressure as the sources move and vibrate. As the sources move and vibrate, surrounding atoms, or molecules, are temporarily displaced from their normal configurations thus forming a disturbance that moves away from the sound source in waves that pulsate out at equal intervals. For simplicity, the outward propagating waves can be approximated by the trigonometric sine function (see Figure 6). The "height" of the sine wave from peak to peak is referred to as its amplitude. The length between wave repetitions is referred to as the *wavelength* ( $\lambda$ ). The amplitude determines the strength, or loudness, of the wave.

Finally, another characteristic of sound is its *frequency*, or tonality, measured in Hertz (Hz), or cycles per second. Frequency is defined as the number of cycles of repetition per second, or the number of wavelengths that have passed by a stationary point in one second.



**Figure 6. Sound wave amplitude and wavelength**

Most humans can hear in a range from 20 Hz to 20,000 Hz. However, the human ear is not equally sensitive to all frequencies. To account for this, most transportation-related noise, including highway traffic noise, is measured using an "*A-weighted*" response network. A-weighting emphasizes sounds between 1,000 Hz and 6,300 Hz, and de-emphasizes sounds above and below that range to simulate the response of the human ear. Figure 7 presents the A-weighting curve as a function of frequency. Table 2 presents the curve in tabular form for one-third octave band frequencies from 20 to 20,000 Hz. Sound levels measured using the A-weighting network are expressed in units of dB(A).[ref.12](#)

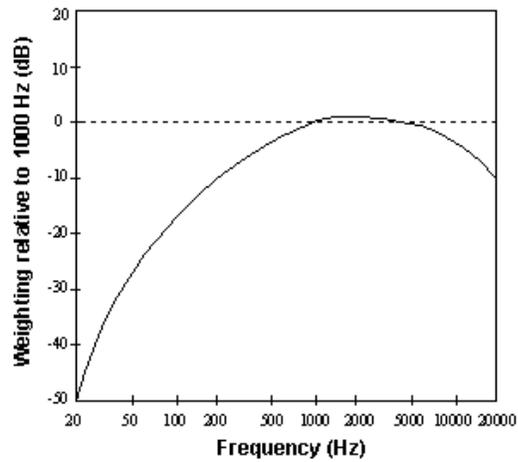


Figure 7. Frequency A-weighting

Table 2. Frequency A-weighting.

One-Third Octave-Band Center Frequency (Hz)	Response, re: 1000 Hz	One-Third Octave-Band Center Frequency (Hz)	Response, re: 1000 Hz
20	-50.5	800	-0.8
25	-44.7	1000	0.0
31.5	-39.4	1250	0.6
40	-34.6	1600	1.0
50	-30.2	2000	1.2
63	-26.2	2500	1.3
80	-22.5	3150	1.2
100	-19.1	4000	1.0
125	-16.1	5000	0.5
160	-13.4	6300	-0.1
200	-10.9	8000	-1.1
250	-8.6	10000	-2.5
315	-6.6	12500	-4.3
400	-4.8	16000	-6.6
500	-3.2	20000	-9.3
630	-1.9	.	.

### 3.2 Noise Descriptors

Noise descriptors provide a mechanism for describing sound for different applications. As stated previously, sound levels measured for highway traffic noise use an A-weighting filter to more accurately simulate the response of the human ear. An *A-weighted* sound level is denoted by the symbol,  $L_A$ . Other noise descriptors include the *maximum sound level* (MXFA or MXSA, denoted by the symbol,  $L_{AFmx}$  or  $L_{ASmx}$ ), the *equivalent sound level* for a one-hour period (1HEQ, denoted by the symbol,  $L_{Aeq1h}$ ), the *sound exposure level* (SEL, denoted by the symbol,  $L_{AE}$ ), the *day-night average sound level* (DNL, denoted by the symbol,  $L_{dn}$ ), the *community noise equivalent level* (CNEL, denoted by the symbol,  $L_{den}$ ), and the *ten-percentile exceeded sound level* (denoted by the symbol,  $L_{10}$ ).

For highway traffic noise, the  $L_{Aeq1h}$  are most often used to describe continuous sounds, such as relatively dense highway traffic. The  $L_{ASmx}$  and  $L_{AE}$  may be used to describe single events, such as an individual vehicle pass-by. Note that the  $L_{AE}$  is more commonly used to describe an aircraft overflight. The  $L_{dn}$  and the  $L_{den}$  may be used to describe long-term noise environments (typically 24 hours or more).

### 3.3 Sound Propagation

The sound that reaches a receiver is affected by many factors. These factors include: [ref.18](#)

- [Divergence \(Section 3.3.1\)](#);
- [Ground effect \(Section 3.3.2\)](#);
- Meteorological effects([Section 3.3.3](#)); and
- Shielding by natural and man-made structures, e.g., trees and buildings ([Section 3.3.4](#)). Note: Shielding by man-made noise barriers will be discussed separately in [Section 3.4](#).

### 3.3.1 Divergence.

Divergence is referred to as the spreading of sound waves from a sound source in a *free field* environment. In the case of highway traffic noise, two types of divergence are common, spherical and cylindrical. Spherical divergence is that which would occur for sound emanating from a *point source*, e.g., a single vehicle pass-by. The attenuation of sound over distance due to spherical spreading is illustrated using the following equation:

$$L_2 = L_1 + 20 \cdot \log_{10}(d_1/d_2) \text{ dB(A)}$$

where:  $L_1$  is the sound level at distance  $d_1$ ; and

$L_2$  is the sound level at distance  $d_2$

Thus, with this equation, it can be shown that sound levels measured from a point source decrease at a rate of 6 dB(A) per doubling of distance. For example, if the sound level from a point source at 15 m was 90 dB(A), at 30 m it would be 84 dB(A) due to divergence, i.e.,  $90 + 20 \cdot \log_{10}(15/30)$ .

Cylindrical divergence is that which would occur for sound emanating from a *line source*, or many point sources sufficiently close to be effectively considered as a line source, e.g., a continuous stream of roadway traffic. The attenuation of sound over distance due to cylindrical spreading is illustrated using the following equation:

$$L_2 = L_1 + 10 \cdot \log_{10}(d_1/d_2) \text{ dB(A)}$$

With this equation, it can be shown that sound levels measured from a line source decrease at a rate of 3 dB(A) per doubling of distance. For example, if the sound level from a line source at 15 m was 90 dB(A), at 30 m it would be 87 dB(A) due to divergence, i.e.,  $90 + 10 \cdot \log_{10}(15/30)$ .[ref.19](#)

### 3.3.2 Ground Effect.

Ground effect refers to the change in sound level, either positive or negative, due to intervening ground between source and receiver. Ground effect is a relatively complex acoustic phenomenon, which is a function of ground characteristics, source-to-receiver geometry, and the spectral characteristics of the source. Ground types are typically characterized as acoustically hard or acoustically soft. *Hard ground* refers to any highly reflective surface in which the phase of the sound energy is essentially preserved upon reflection; examples include water, asphalt, and concrete. For practical highway applications, measurements have shown a 1 to 2 dBA increase for the first and second row residences adjacent to the highway. *Soft ground* refers to any highly absorptive surface in which the phase of the sound energy is changed upon reflection; examples include terrain covered with dense vegetation or freshly fallen snow.[ref.19](#) An acoustically soft ground can cause a significant broadband attenuation (except at low frequencies).

A commonly used rule-of-thumb is that: (1) for propagation over hard ground, the ground effect is neglected; and (2) for propagation over acoustically soft ground, for each doubling of distance the soft ground effect attenuates the sound pressure level at the receiver by an additional 1.5 dB(A). This extra attenuation applies to only incident angles of 20 degrees or less. For greater angles, the ground becomes a good reflector and can be considered acoustically hard. Keep in mind that these relationships are quite empirical but tend to break down for distances greater than about 30.5 to 61 m (100 to 200 ft). For a more detailed discussion of ground effects, the reader is directed to References [20](#) and [21](#).

### 3.3.3 Atmospheric Effects.

Atmospheric effects refer to: (1) atmospheric absorption, i.e., the sound absorption by air and water vapor; (2) atmospheric refraction, i.e., the sound refraction caused by temperature and wind gradients; and (3) air turbulence.[ref.18](#) It is recommended that when atmospheric effects are of potential concern, high-precision meteorological measurement equipment should be used to record continuous temperature, relative humidity, and wind data.

- Atmospheric absorption: Atmospheric absorption is a function of the frequency of the sound, the temperature, the humidity, and the atmospheric pressure between the source and the receiver.[ref.22](#) and

[ref.23](#) Over distances greater than 30 m (100 ft), the attenuation due to atmospheric absorption can substantially reduce sound levels, especially at high frequencies (above 5000 Hz).

- Atmospheric refraction: Atmospheric refraction is the bending of sound waves due to wind and temperature gradients. Near-ground wind effects are, typically, the most substantial contributor to sound refraction. Upwind conditions tend to refract sound waves away from the ground resulting in a decrease in sound levels at a receiver. Conversely, downwind conditions tend to refract sound waves towards the ground resulting in an increase in sound levels at a receiver. Studies have shown measured sound levels to be affected by up to 7 dB(A) as a result of wind refraction within just 100 m from the centerline of the roadway. [ref.24](#) and [ref.25](#) It is generally recommended that highway traffic noise measurements be performed when the recorded wind speed is no greater than 5 m/s (11 mph) to minimize the effects of wind. Further, measurements should not be performed in conditions where strong winds with small vector components exist in the direction of propagation. Readers may refer to Reference [18](#) for more information on performing highway-related noise measurements.

Temperature effects can also contribute to sound refraction. During daytime weather conditions, when the air is warmer closer to the ground (temperature decreases with height), sound waves tend to refract upward away from the ground (temperature lapse). This may result in a decrease in sound levels at a receiver. Conversely, when the air close to the ground cools during nighttime weather conditions (temperature increases with height), sound waves tend to refract downward towards the ground (temperature inversion). This may result in an increase in sound levels at a receiver. [ref.26](#) Generally, refraction effects due to temperature do not exert a substantial influence on sound levels within 61 m (200 ft) of the roadway. [ref.24](#)

- Air turbulence: Although, its effects on sound levels are more unpredictable than other atmospheric effects, in certain cases air turbulence has shown an even greater effect on noise levels than atmospheric refraction within 122 m (400 ft) from a roadway. [ref.25](#) As stated earlier, it is generally recommended that highway traffic noise measurements be performed when the recorded wind speed is no greater than 5 m/s to insure minimal effects of wind. Further, measurements should not be performed in conditions where strong winds with small vector components exist in the direction of propagation. Readers may refer to Reference [18](#) for more information on performing highway-related noise measurements.

### **3.3.4 Shielding by Natural and Man-Made Structures.**

In this section, shielding by structures, such as trees and buildings, will be discussed. The amount of attenuation provided by these structures is determined by their size and density, and the frequencies of the sound levels. Note that shielding by noise barriers will be discussed separately in [Section 3.4](#).

Shielding by trees and other such vegetation typically only have an "out of sight, out of mind" effect. That is, the perception of highway traffic noise impact tends to decrease when vegetation blocks the [line-of-sight](#) to nearby residents (i.e., "out of sight, out of mind"). However, for vegetation to provide a substantial, or even noticeable, noise reduction, the vegetation area must be at least 5 m (15 ft) in height, 30 m (100 ft) wide and dense enough to completely obstruct the line-of-sight between the source and the receiver. This size of vegetation area may provide up to 5 dB(A) of noise reduction. Taller, wider, and denser areas of vegetation may provide even greater noise reduction. The maximum reduction that can be achieved is approximately 10 dB(A). [ref.5](#) and [ref.23](#)

Shielding by a building is similar to the shielding effects of a short (lengthwise) barrier. Building rows can act as longer barriers keeping in mind that the gaps between buildings will leak sound through to the receiver. Generally, assuming an at-[grade](#) building row with a building-to-gap ratio of 40 percent to 60 percent, the noise reduction due to this row is approximately 3 dB(A). Further, for each additional building row, another 1.5 dB(A) noise reduction may be considered typical. [ref.3](#) and [ref.27](#) For situations where the buildings in a building row occupy less than 20 percent of the row area, unless the receiver is directly behind a building, minimal, or no, attenuation should be assumed. For situations where the buildings in a building row occupy greater than 80 percent of the row area, it may be assumed that the leakage of sound due to gaps is minimal. In this case, noise attenuation may be determined by treating the building row as a noise barrier, which is discussed in [Section 3.4](#).

## **3.4 Noise Barrier Basics**

As shown in Figure 8, noise barriers reduce the sound which enters a community from a busy highway by either absorbing it (see [Section 3.4.1](#)), transmitting it (see [Section 3.4.2](#)), reflecting it back across the highway (see [Section 3.5.4](#)), or forcing it to take a longer path. This longer path is referred to as the [diffracted](#) path.

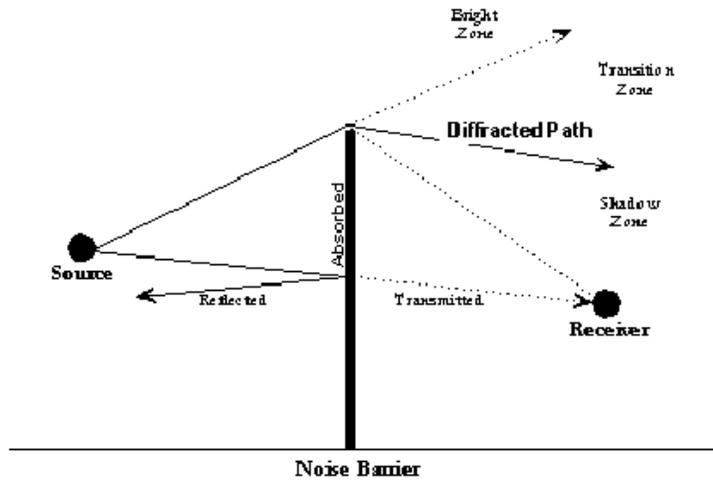


Figure 8. Barrier absorption, transmission, reflection, and diffraction

Diffraction, or the bending of sound waves around an obstacle, can occur both at the top of the barrier and around the ends. This bending occurs much like other wave phenomena, such as light and water waves. Due to the nature of sound waves, diffraction does not bend all frequencies uniformly. Higher frequencies (shorter wavelengths) are diffracted to a lesser degree; while lower frequencies (longer wavelengths) are diffracted deeper into the "shadow" zone behind the barrier. As a result, a barrier is, generally, more effective in attenuating the higher frequencies as compared with the lower frequencies (see Figure 9).[ref.18](#)

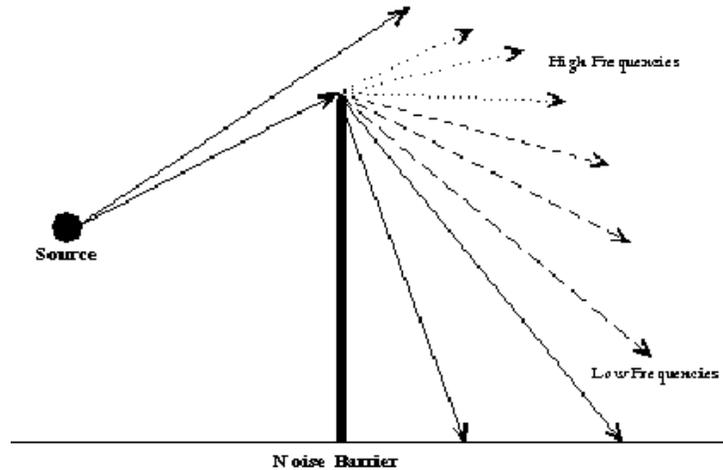


Figure 9. Barrier diffraction

An important aspect of diffraction is the path length difference ( $\delta$ ) between the diffracted path from source over the top of the barrier to the receiver, and the direct path from source to receiver as if the barrier were not present (see Figure 10).

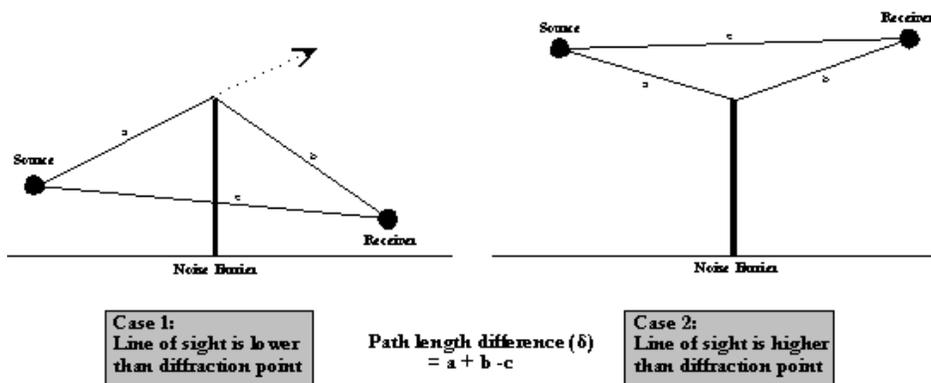


Figure 10. Path length difference

The path length difference is used to compute the *Fresnel Number* ( $N_0$ ), which is a dimensionless value used in predicting the attenuation provided by a noise barrier positioned between a source and a receiver. The Fresnel Number is computed as follows:

$$N_0 = \pm 2(\delta_0/\lambda) = \pm 2(f \delta_0 / c)$$

where:  $N_0$  is the Fresnel Number determined along the path defined by a particular source-barrier-receiver geometry;

$\pm$  is positive in the case where the line of sight between the source and receiver is lower than the diffraction point and negative when the line of sight is higher than the diffraction point (see Figure 10);[ref.28](#)

$\delta_0$  is the path length difference determined along the path defined by a particular source-barrier-receiver geometry;

$\lambda$  is the wavelength of the sound radiated by the source;

$f$  is the frequency of the sound radiated by the source; and

$c$  is the speed of sound.

Note the relationship between the variables in the above equation. If the path length difference increases, the Fresnel number and, thus, barrier attenuation increases. If the frequency increases, barrier attenuation increases as well. Figure 11 shows the relationship between barrier attenuation and Fresnel Number for a frequency of 550 Hz. A 550 Hz frequency is considered fairly representative for computing barrier attenuation of highway traffic noise.[ref.29](#)

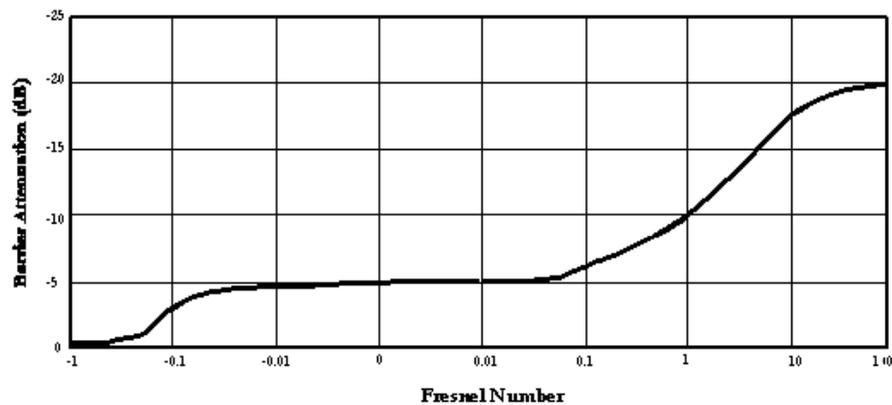


Figure 11. Barrier attenuation versus Fresnel Number

### 3.4.1 Barrier Absorption.

The amount of incident sound that a barrier absorbs is typically expressed in terms of its [Noise Reduction Coefficient](#) (NRC). NRC is defined as the arithmetic average of the [Sabine absorption coefficients](#),  $\alpha_{sab}$ , at 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz:

$$NRC = \frac{1}{4} \times (\alpha_{250} + \alpha_{500} + \alpha_{1000} + \alpha_{2000})$$

NRC values can range from zero to one; where zero indicates the barrier will reflect all the sound incident upon it (see also [Section 3.5.4.](#)), and one indicates the barrier will absorb all the sound incident upon it. A typical NRC for an absorptive barrier ranges from 0.6 to 0.9.[ref.19](#)

Measurements to determine the  $\alpha_{sab}$  of a barrier facade should be made in accordance with the ASTM Recommended Practice C384 (Impedance Tube Method) or C423 (Reverberation Room Method). The Impedance Tube Method can be used to measure the sound absorption of [normal incident sound](#) on a small sample of a material. [ref.15](#) and [ref.30](#) The Reverberation Room Method (see Figure 12)[\(note 2\)](#) is used to measure the sound absorption of [random incident sound](#) on a larger sample of a material. Most barrier manufacturers prefer to use the Reverberation Room Method because of its lack of constraints on sample size. However, for this Method, the sample size chosen and method and angle of mounting may have substantial effects on the determined absorption coefficients. These concerns are further addressed in Reference [31](#).



Figure 12. Barrier absorption: Reverberation Room Method  
photo #2553

### 3.4.2 Barrier Sound Transmission.

The amount of incident sound that a barrier transmits can be described by its sound *Transmission Loss* (TL). Measurements to determine a barrier's TL should be made in accordance with ASTM Recommended Practice E413-87. [ref.16](#) TL is determined as follows:

$$TL = 10 \log_{10} \left[ 10^{(SPL_s/10)} / 10^{(SPL_r/10)} \right]$$

dB(A)

where:  $SPL_s$  is the sound pressure level (see [Section 3.1](#)) on the source side of the barrier; and

$SPL_r$  is the sound pressure level on the receiver side of the barrier.

For highway noise barriers, any sound that is transmitted through the barrier can be effectively neglected since it will be at such a low level relative to the diffracted sound, i.e., the sound transmitted will typically be at least 20 dB(A) below that which is diffracted. That is, if a sound level of 100 dB(A) is incident upon a barrier and only 1 dB(A) is transmitted, i.e, 1 percent of the incident sound's energy, then a TL of 20 dB(A) is achieved.

As a rule of thumb, any material weighing 20 kg/m<sup>2</sup> (4 lbs/ft<sup>2</sup>) or more has a transmission loss of at least 20 dB(A). Such material would be adequate for a noise reduction of at least 10 dB(A) due to diffraction. Note that a weight of 20 kg/m<sup>2</sup> (4 lbs/ft<sup>2</sup>) can be attained by lighter and thicker, or heavier and thinner materials. The greater the density of the material, the thinner the material may be. TL also depends on the stiffness of the barrier material and frequency of the source. [ref.18](#)

In most cases, the maximum noise reduction that can be achieved by a barrier is 20 dB(A) for thin walls and 23 dB(A) for berms. Therefore, a material that has a TL of at least 25 dB(A) or greater is desired and would always be adequate for a noise barrier. The following table gives approximate TL values for some common materials, tested for typical A-weighted highway traffic frequency spectra. They may be used as a rough guide in acoustical design of noise barriers. For accurate values, consult material test reports by accredited laboratories.

**Table 3. Approximate sound transmission loss values for common materials.**

Material	Thickness mm (inches)	Weight kg/m <sup>2</sup> (lbs/ft <sup>2</sup> )	Transmission Loss (dB(A))
Concrete Block, 200mm x 200mm x 405 (8" x 8" x 16") light weight	200mm (8")	151 (31)	34
Dense Concrete	100mm (4")	244 (50)	40
Light Concrete	150mm (6")	244 (50)	39
Light Concrete	100mm (4")	161 (33)	36
Steel, 18 ga	1.27mm (.050")	10 (2.00)	25
Steel, 20 ga	0.95mm (0.0375")	7.3 (1.50)	22
Steel, 22 ga	0.79mm (0.0312")	6.1 (1.25)	20
Steel, 24 ga	0.64mm (0.025")	4.9 (1.00)	18
Aluminum, Sheet	1.59mm (0.0625")	4.4 (0.9)	23
Aluminum, Sheet	3.18mm (0.125")	8.8 (1.8)	25
Aluminum, Sheet	6.35mm (0.25")	17.1(3.5)	27
Wood, Fir	12mm (0.5")	8.3 (1.7)	18
Wood, Fir	25mm (1.0")	16.1(3.3)	21
Wood, Fir	50mm (2.0")	32.7 (6.7)	24

Plywood	12mm (0.5")	8.3 (1.7)	20
Plywood	25mm (1.0")	16.1 (3.3)	23
Glass, Safety	3.18mm (0.125")	7.8 (1.6)	22
Plexiglass	6mm (0.25")	7.3 (1.5)	22

The above table assumes no openings or gaps in the barrier material. Some materials, such as wood, however, are prone to develop openings or gaps due to shrinkage, warping, splitting, or weathering. Treatments to reduce/eliminate noise leakage for wood barrier systems are discussed in [Section 5.4.1](#). Noise leakage due to possible gaps in the horizontal joints between *panels* in a post and panel "stacked panel" barrier system (see [Section 4.1.2.1](#)) should also be given careful consideration. Finally, some barrier systems are designed with small openings at the base of the barrier to carry water, which would otherwise pond on one side of the barrier, through the barrier. Two important considerations associated with these openings are: (1) Ensure that the opening is small [the effect of a continuous gap of up to 20 cm (7.8 in) at the base of a noise barrier is usually within 1 dB(A)], [ref.32](#) and (2) Ensure that proper protection in the form of grates or bars is provided to restrict entry by small animals (cats, small dogs, etc.). Drainage considerations are also discussed in [Section 7.1.2](#) and [7.1.3](#).

It should be noted that there are other ratings used to express a material's sound transmission characteristics. One rating in common use is the [Sound Transmission Class](#) (STC). STC is a single-number rating derived by fitting a reference rating curve to the TL values measured for the one-third octave frequency bands between 125 Hz and 4000 Hz. The reference rating curve is fitted to the TL values such that the sum of deficiencies (TL values less than the reference rating curve), does not exceed 32 dB, and no single deficiency is greater than 8 dB. The STC value is the TL value of the reference [contour](#) at 500 Hz. The disadvantage to using the STC rating scheme is that it is designed to rate noise reductions in frequencies of normal speech and office areas, and not for the lower frequencies of highway traffic noise. For frequencies of traffic noise, the STC is typically 5 to 10 dB(A) greater than the TL and, thus, should only be used as rough guide.

### 3.5 Barrier-Design Acoustical Considerations

This section describes the various acoustical considerations involved in actual noise barrier design. Non-acoustical design considerations will be discussed in Sections 4 to 13). The acoustical considerations include:

Barrier design goals and insertion loss([Section 3.5.1](#));

Barrier length ([Section 3.5.2](#));

Wall versus berm ([Section 3.5.3](#));

Reflective versus absorptive ([Section 3.5.4](#));

Other miscellaneous design considerations ([Section 3.5.5](#)).

#### 3.5.1 Barrier Design Goals and Insertion Loss.

The first step in barrier design is to establish the design goals. Design goals may not be limited simply to noise reduction at receivers, but may also include other considerations of safety and maintenance as well. These other considerations are discussed later in Sections 4 through 13.

In this section, the acoustical design goals of noise reduction will be discussed. Acoustical design goals are usually referred to in terms of barrier [Insertion Loss](#) (IL). IL is defined as the sound level at a given receiver before the construction of a barrier minus the sound level at the same receiver after the construction of the barrier. The construction of a noise barrier usually results in a partial loss of soft-ground attenuation. This is due to the barrier forcing the sound to take a higher path relative to the ground plane. Therefore, barrier IL is the net effect of barrier diffraction, combined with this partial loss of soft-ground attenuation.

Typically, a 5-dB(A) IL can be expected for receivers whose line-of-sight to the roadway is just blocked by the barrier. A general rule-of-thumb is that each additional 1 m of barrier height above line-of-sight blockage will provide about 1.5 dB(A) of additional attenuation (see Figure 13).

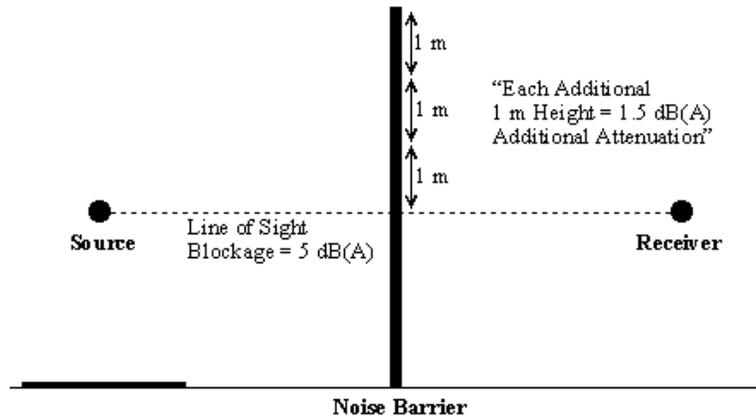


Figure 13. Line-of-sight

Properly-designed noise barriers should attain an IL approaching 10 dB(A), which is equivalent to a perceived halving in loudness for the first row of homes directly behind the barrier. For those residents not directly behind the barrier, a noise reduction of 3 to 5 dB(A) can typically be provided, which is just slightly perceptible to the human ear. Table 4 shows the relationship between barrier IL and design feasibility. [ref.1](#)

Table 4. Relationship between barrier insertion loss and design feasibility.

Barrier Insertion Loss	Design Feasibility	Reduction in Sound Energy	Relative Reduction in Loudness
5 dB(A)	Simple	68%	Readily perceptible
10 dB(A)	Attainable	90%	Half as loud
15 dB(A)	Very difficult	97%	One-third as loud
20 dB(A)	Nearly impossible	99%	One-fourth as loud

### 3.5.2 Barrier Length.

Noise barriers should be tall enough and long enough so that only a small portion of sound diffracts around the edges. If a barrier is not long enough, *degradations* in barrier performance of up to 5 dB(A) less than the barrier's design noise reduction may be seen for those receivers near the barrier ends. A rule-of-thumb is that a barrier should be long enough such that the distance between a receiver and a barrier end is at least four times the perpendicular distance from the receiver to the barrier along a line drawn between the receiver and the roadway (see Figure 14). Another way of looking at this rule is that the angle subtended from the receiver to a barrier end should be at least 80 degrees, as measured from the perpendicular line from the receiver to the roadway.

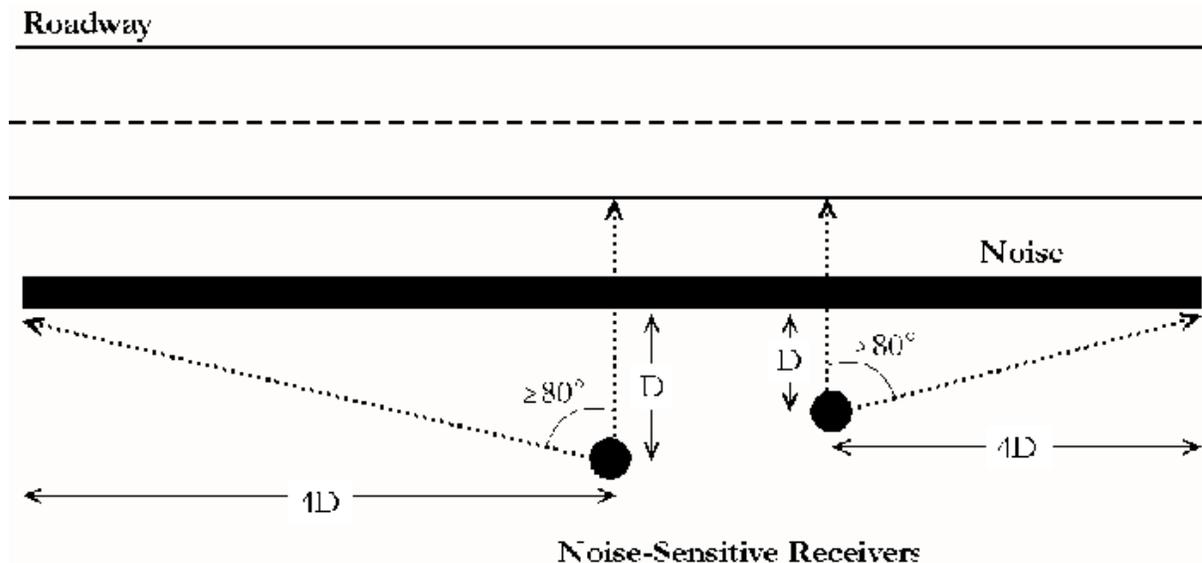


Figure 14. Barrier length

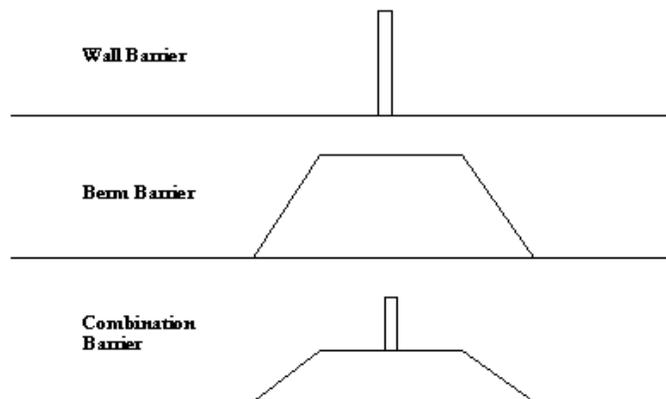
Sometimes due to the community and roadway geometry, there is not enough available area to ensure a proper-length barrier. In those cases, highway barrier designers may decide to construct the barrier with the ends curved inward towards the community (see Figure 15).



**Figure 15. Barrier curved inward towards the community**  
photo #2617

### 3.5.3 Wall Versus Berm.

Highway noise barriers are typically characterized as a wall, a berm, or a combination of the two (see Figure 16). There are advantages and disadvantages to each type. The considerations that are examined in deciding whether to build a wall or a berm, include available area, materials, costs, aesthetics, and community concerns. Acoustically, for a given site geometry and comparable barrier height and length, a berm barrier will typically provide an extra 1 to 3 dB(A) of attenuation. Several factors contribute to this increase. First, the flat top of a berm diffracts the sound waves twice, resulting in a longer path-length difference, a larger Fresnel number, and, thus, more attenuation. Second, the surface of a berm is, essentially, grass-covered acoustically soft earth with side slopes closer to the sound path, which provides additional attenuation. However, because a berm is wider than a wall (thus, requiring more land than a wall when constructed) and because the 1 to 3 dB(A) additional attenuation is, at best, only barely perceptible to the human ear, a berm's acoustical advantage does not necessarily guarantee its choice versus a wall.



**Figure 16. Wall, berm and combination noise barriers**

### 3.5.4 Reflective Versus Absorptive.

A barrier without any added absorptive treatment is by default reflective (see also [Section 3.4.1](#)). A reflective barrier on one side of the roadway can result in some sound energy being reflected back across the roadway to receivers on the opposite side (see Figure 17).

It is a common phenomenon for residents to perceive a difference in sound after a barrier is installed on the opposite side of a roadway. Although theory indicates greater increases for a single reflection, practical highway measurements commonly show not greater than a 1 to 2 dB(A) increase in sound levels due to the sound reflected off the opposing barrier. While this increase may not be readily perceptible, residents on the opposite side of the roadway may perceive a change in the quality of the sound; the signature of the reflected sound may differ from that of the source due to a change in frequency content upon reflection.

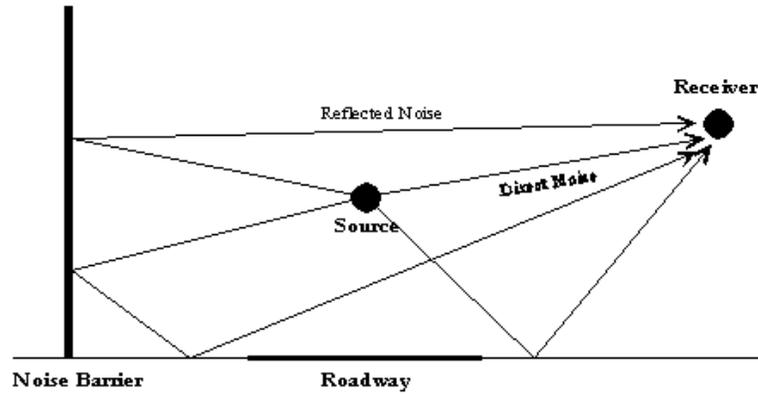


Figure 17. Reflective noise paths due to a single barrier

Parallel barriers are two barriers which face each other on opposite sides of a roadway (see Figure 18). Sound reflected between reflective parallel barriers may cause degradations in each barrier's performance due to multiple reflections that diffract over the individual barriers. These degradations may be from 2 to as much as 6 dB(A) (see Figure 19).[ref.19](#) That is, a single barrier with an insertion loss of 10 dB(A) may only realize an effective reduction of 4 to 8 dB(A) if another barrier is placed parallel to it on the opposite side of the highway.



Figure 18. Parallel noise barriers  
photo #2968

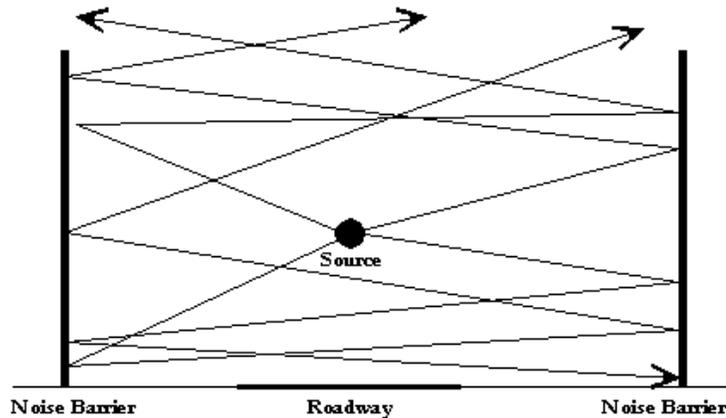


Figure 19. Reflective noise paths due to a parallel barrier

The problems caused by both single and parallel barriers can be minimized using one or a combination of the following three methods:[ref.19](#)

- For parallel barriers, ensure that the distance between the two barriers is at least 10 times their average height. A 10:1 width-to-height (w/h) ratio will result in an imperceptible degradation in performance. In recent studies, it was determined that as the w/h ratio increases, the insertion loss degradation decreases.[ref.24](#) and [ref.33](#) This decrease can be attributed to: (1) the decrease in the number of reflections between the barriers; and (2) the weakening of the reflections due to geometrical spreading and atmospheric absorption. Table 5 provides a guideline of three, general w/h ratio ranges and the corresponding barrier insertion-loss degradation ( $\Delta_{IL}$ ) that can be expected.

Table 5. Guideline for categorizing parallel barrier sites based on the w/h ratio.

w/h Ratio	Maximum $\Delta_{IL}$ in dB(A)	Recommendation
Less than 10:1	3 or greater	Action required to minimize degradation.
10:1 to 20:1	0 to 3	At most, degradation barely perceptible; no action required in most instances.
Greater than 20:1	No measurable degradation	No action required.

- Apply sound absorptive material on either one or both barrier facades. See also [Section 3.4.1](#). The decision to add a sound absorptive surface should be determined by weighing benefit versus cost. That is, what noise abatement benefits can be achieved for how many residents versus the costs of the application and maintenance of the absorptive treatments?

The answer is most important since the typical costs of noise absorptive material, whether integrated with the noise barrier at the time of barrier construction, or as a retrofit later on after the barrier is constructed, is usually \$75 to \$118/m<sup>2</sup> (\$7 to \$11/ft<sup>2</sup>). Using an average cost of \$97/m<sup>2</sup> (\$9/ft<sup>2</sup>) for example, for a 3.6-m (12 ft) high barrier, this would translate into an additional \$0.4 million/km (\$0.6 million/mi) in costs. [ref.24](#) , [ref.34](#) , [ref.35](#) , [ref.36](#) and [ref.37](#)

- Tilt one or both of the barriers outward away from the road. Previous research has shown that an angle as small as 7 degrees is effective at minimizing degradations. [ref.33](#) This solution, however, must consider locations higher than the opposite barrier because they may be adversely affected by the reflected sound.

### 3.5.5 Other Unique Design Considerations.

#### 3.5.5.1 Overlapping Barriers.

Barriers which overlap each other (see Figure 20) are usually constructed to allow access gaps for maintenance, safety, and pedestrian purposes (see [Section 9.4.1](#)). A general rule-of-thumb is that the ratio between overlap distance and gap width should be at least 4:1 to ensure negligible degradation of barrier performance (see Figures 21). If a 4:1 ratio is not feasible, then consideration should be given to the application of absorptive material (see [Section 3.4.1](#)) on the barrier surfaces within the gap area.



Figure 20. Example of overlapping barriers photo #5902

Roadway

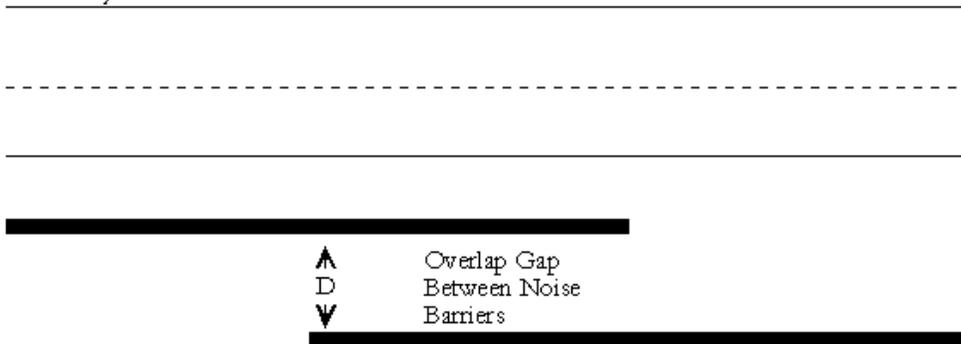


Figure 21. Overlapping barriers

### 3.5.5.2 "Zig-zag" Barriers.

A barrier using concrete panels arranged in a "zig-zag-like" or "trapezoidal" configuration (see [Section 4.1.2.3.1](#)) is advantageous because it is structurally sound without the use of a [foundation](#). This type of barrier can also be visually pleasing to motorists because it provides variation in form (see Figure 22). It does not, however, have any substantial additional sound attenuation benefits.



Figure 22. "Zig-zag" barrier photo #8057

### 3.5.5.3 Tops of Barriers.

There has been limited research into varying the shape of the top of a barrier (see Figure 23 and 24) for the purpose of shortening barrier heights and possibly attaining the attenuation characteristic of a taller barrier. The technical rationale is that additional attenuation can be attained by increasing the number of diffractions occurring at the top of the barrier. Shorter barrier heights could improve the aesthetic impact on communities and motorists by preserving more of the view. [ref.18](#) and [ref.38](#)

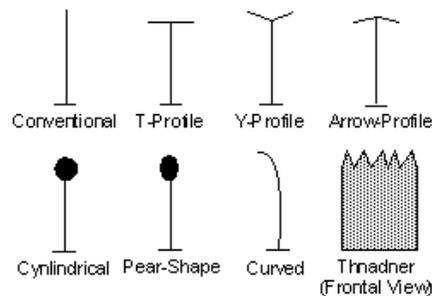


Figure 23. Special acoustical considerations: tops of barriers

Studies have shown that a T-profile top barrier (see Figure 25) provides insertion losses comparable to a conventional top barrier when the difference in their heights is equal to the width of the T-profile top. When the two barriers are the same height, the T-profile top barrier has been shown to provide an additional 2.5 dB(A) insertion loss over the conventional top barrier. Y- and arrow-profile tops also performed better than conventional tops, however, to a lesser degree than the T-profile tops. [ref.39](#) and [ref.40](#) Cylindrical, pear-shape, curved, and Thnadner top barriers have not shown substantial benefits, unless an absorptive treatment was incorporated into the barrier tops. [ref.41](#) and [ref.42](#)



Figure 24. Special top of barrier photo #2395



Figure 25. T-profile top barrier photo #1312

Although there are some acoustical and aesthetic benefits associated with special barrier tops, the cost of constructing these shapes typically outweigh the cost of simply increasing the barrier's height to accomplish the same acoustic benefit. [ref.43](#)

## Section Summary

<b>Acoustical considerations for all noise barriers.</b>				
<b>Item#</b>	<b>Main Topic</b>	<b>Sub-Topic</b>	<b>Consideration</b>	<b>See Also Section</b>
3-1	Atmospheric Effects	Atmospheric Absorption, Refraction, Turbulence	Field measurements should not be performed when wind speeds are greater than 5 m/s, or when strong winds with small vector components exist in the direction of propagation.	<a href="#"><u>3.3.1</u></a> <a href="#"><u>14.1.2.1</u></a> <a href="#"><u>15.1.2</u></a>
3-2	Barrier Design Goals	Barrier Sound Transmission	Barrier panel materials should weigh 20 kg/m <sup>2</sup> or more for a transmission loss of at least 20 dB(A).	<a href="#"><u>3.4.2</u></a>
		Barrier Length	Ensure barrier height and length are such that only a small portion of sound diffracts around the edges	<a href="#"><u>3.5.2</u></a>
		Wall vs. Berm	A berm requires more surface area, but provides 1 to 3 dB(A) additional attenuation versus a wall.	<a href="#"><u>3.5.3</u></a>
		Reflective vs. Absorptive	Communities may perceive sound level increases due to reflections. Sound reflected between parallel barriers may cause degradations in each barrier's performance from 2 to as much as 6 dB(A), but in most practical situations, the degradation is smaller.	<a href="#"><u>3.5.4</u></a>
		Overlapping Barriers	Ensure the ratio between overlap distance and gap width (between barriers) is at least 4:1.	<a href="#"><u>3.5.5.1</u></a>
		Special Tops for Barriers	The cost of constructing these special shapes typically outweigh the cost of simply increasing the barrier's height to accomplish the same acoustic benefit.	<a href="#"><u>3.5.5.3</u></a>

**Table 1.** CA/T equipment noise emissions and acoustical usage factors database.

<b>CA/T Noise Emission Reference Levels and Usage Factors</b>					
filename: EQUIPLST.xls					
revised: 7/26/05					
	Impact	Acoustical Use Factor	Spec 721.560 Lmax @ 50ft	Actual Measured Lmax @ 50ft	No. of Actual Data Samples
Equipment Description	Device ?	(%)	(dBA, slow)	(dBA, slow)	(Count)
				(samples averaged)	
All Other Equipment > 5 HP	No	50	85	-- N/A --	0
Auger Drill Rig	No	20	85	84	36
Backhoe	No	40	80	78	372
Bar Bender	No	20	80	-- N/A --	0
Blasting	Yes	-- N/A --	94	-- N/A --	0
Boring Jack Power Unit	No	50	80	83	1
Chain Saw	No	20	85	84	46
Clam Shovel (dropping)	Yes	20	93	87	4
Compactor (ground)	No	20	80	83	57
Compressor (air)	No	40	80	78	18
Concrete Batch Plant	No	15	83	-- N/A --	0
Concrete Mixer Truck	No	40	85	79	40
Concrete Pump Truck	No	20	82	81	30
Concrete Saw	No	20	90	90	55
Crane	No	16	85	81	405
Dozer	No	40	85	82	55
Drill Rig Truck	No	20	84	79	22
Drum Mixer	No	50	80	80	1
Dump Truck	No	40	84	76	31
Excavator	No	40	85	81	170
Flat Bed Truck	No	40	84	74	4
Front End Loader	No	40	80	79	96
Generator	No	50	82	81	19
Generator (<25KVA, VMS signs)	No	50	70	73	74
Gradall	No	40	85	83	70
Grader	No	40	85	-- N/A --	0
Grapple (on backhoe)	No	40	85	87	1
Horizontal Boring Hydr. Jack	No	25	80	82	6
Hydra Break Ram	Yes	10	90	-- N/A --	0
Impact Pile Driver	Yes	20	95	101	11
Jackhammer	Yes	20	85	89	133
Man Lift	No	20	85	75	23
Mounted Impact Hammer (hoe ram)	Yes	20	90	90	212
Pavement Scarafier	No	20	85	90	2
Paver	No	50	85	77	9
Pickup Truck	No	40	55	75	1
Pneumatic Tools	No	50	85	85	90
Pumps	No	50	77	81	17
Refrigerator Unit	No	100	82	73	3
Rivit Buster/chipping gun	Yes	20	85	79	19
Rock Drill	No	20	85	81	3
Roller	No	20	85	80	16
Sand Blasting (Single Nozzle)	No	20	85	96	9
Scraper	No	40	85	84	12
Shears (on backhoe)	No	40	85	96	5
Slurry Plant	No	100	78	78	1
Slurry Trenching Machine	No	50	82	80	75
Soil Mix Drill Rig	No	50	80	-- N/A --	0
Tractor	No	40	84	-- N/A --	0
Vacuum Excavator (Vac-truck)	No	40	85	85	149
Vacuum Street Sweeper	No	10	80	82	19
Ventilation Fan	No	100	85	79	13
Vibrating Hopper	No	50	85	87	1
Vibratory Concrete Mixer	No	20	80	80	1
Vibratory Pile Driver	No	20	95	101	44
Warning Horn	No	5	85	83	12
Welder / Torch	No	40	73	74	5

## **APPENDIX C**

# **Ambient/Baseline Noise Measurements**

Baseline/Ambient Noise Summary																																
CUP Site No.	Measurement	Date	Time		City of Signal Hill				City of Long Beach																							
			Start	Stop	Average (L <sub>eq</sub> )		CNEL		Outdoor																							
					Daytime (7:00 a.m. - 10:00 p.m.)	Nighttime (10:00 p.m. - 7:00 a.m.)	Exterior	Interior	24-Hour			Daytime (7:00 a.m. - 10:00 p.m.)					Nighttime (10:00 p.m. - 7:00 a.m.)					Daytime (7:30 a.m. - 9:30 p.m.)		Nighttime (9:30 p.m. - 7:30 a.m.)		Daytime (7:00 a.m. - 10:00 p.m.)			Nighttime (10:00 p.m. - 7:00 a.m.)			
									Maximum Single Hourly Peak (L <sub>max</sub> )	L <sub>10</sub>	L <sub>50</sub>	L <sub>50</sub>	L <sub>25</sub>	L <sub>8.3</sub>	L <sub>1.7</sub>	L <sub>max</sub>	L <sub>50</sub>	L <sub>25</sub>	L <sub>8.3</sub>	L <sub>1.7</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>max</sub>	L <sub>8.3</sub>	L <sub>1.7</sub>	L <sub>max</sub>	L <sub>8.3</sub>	L <sub>1.7</sub>	L <sub>max</sub>	L <sub>dn</sub>
CUP Site #1	Measurement #1	4/12/2022	3:10 PM	---	73.7	62.3	73.3	53.3	89.6	69.7	63.6	78.9	81.8	84.3	87.2	89.6	64.1	64.7	66.0	72.3	85.1	73.9	89.6	62.9	87.3	64.3	67.2	69.6	46.0	52.3	65.1	53.2
		4/13/2022	---	3:10 PM																												
	Measurement #2	4/13/2022	3:10 PM	---	75.0	61.5	74.0	54.0	95.2	71.0	61.8	82.4	83.2	83.9	84.3	95.2	64.2	65.1	67.0	75.2	90.3	75.2	95.2	63.5	90.3	63.9	64.3	75.2	47.0	55.2	70.3	54.0
		4/14/2022	---	3:10 PM																												
<b>Average:</b>					<b>74.4</b>	<b>61.9</b>	<b>73.7</b>	<b>53.7</b>	<b>93.2</b>	<b>70.4</b>	<b>62.8</b>	<b>81.0</b>	<b>82.6</b>	<b>84.1</b>	<b>86.0</b>	<b>93.2</b>	<b>64.2</b>	<b>64.9</b>	<b>66.5</b>	<b>74.0</b>	<b>88.4</b>	<b>74.6</b>	<b>93.2</b>	<b>63.2</b>	<b>89.1</b>	<b>64.1</b>	<b>66.0</b>	<b>73.2</b>	<b>46.5</b>	<b>54.0</b>	<b>68.4</b>	<b>53.6</b>
CUP Site #2	Measurement #1	4/13/2022	4:17 PM	---	63.0	60.0	67.3	47.3	101.1	62.2	59.6	63.0	64.5	73.7	85.5	101.1	60.4	61.2	63.3	67.8	81.6	63.2	101.1	60.1	81.6	53.7	65.5	81.1	43.3	47.8	61.6	47.0
		4/14/2022	---	4:17 PM																												
	Measurement #2	4/27/2022	5:25 PM	---	68.7	68.8	75.4	55.4	88.5	70.0	68.0	70.3	70.7	75.7	77.8	72.0	69.7	70.0	70.7	71.2	71.8	68.6	88.5	68.8	77.7	55.7	57.8	52.0	50.7	51.2	51.8	55.2
		4/28/2022	---	5:25 PM																												
<b>Average:</b>					<b>66.7</b>	<b>66.3</b>	<b>73.0</b>	<b>53.0</b>	<b>98.3</b>	<b>67.7</b>	<b>65.6</b>	<b>68.0</b>	<b>68.6</b>	<b>74.8</b>	<b>83.2</b>	<b>98.1</b>	<b>67.2</b>	<b>67.5</b>	<b>68.4</b>	<b>69.8</b>	<b>79.0</b>	<b>66.7</b>	<b>98.3</b>	<b>66.4</b>	<b>80.1</b>	<b>54.8</b>	<b>63.2</b>	<b>78.1</b>	<b>48.4</b>	<b>49.8</b>	<b>59.0</b>	<b>52.8</b>
CUP Site #3	Measurement #1	4/12/2022	3:34 PM	---	58.5	56.8	63.7	43.7	92.0	59.4	55.6	58.6	61.4	63.4	75.7	90.3	57.3	57.7	59.2	74.6	92.0	58.5	90.3	56.9	92.0	43.4	55.7	70.3	39.2	54.6	72.0	43.5
CUP Site #4	Measurement #1	4/25/2022	3:09 PM	---	69.3	59.5	69.5	49.5	94.7	60.8	58.9	66.2	77.0	86.0	90.9	94.7	60.1	60.2	60.4	64.0	69.6	69.6	94.7	59.5	69.6	66.0	70.9	74.7	40.4	44.0	49.6	49.4
CUP Site #5	Measurement #1	4/25/2022	3:21 PM	---	56.3	57.1	63.6	43.6	79.4	58.8	55.1	57.1	57.4	62.1	68	79.4	59.2	59.4	59.5	62.8	69.4	56.3	79.4	57.0	69.4	42.1	48.0	59.4	39.5	42.8	49.4	43.4
		4/26/2022	---	3:21 PM																												
	Measurement #2	4/27/2022	5:43 PM	---	59.0	51.2	60.3	40.3	90.3	60.5	50.9	59.1	61.4	64.6	77.2	90.3	54.9	56.1	57.9	60.8	70.2	58.9	90.3	52.0	72.4	44.6	57.2	70.3	37.9	40.8	50.2	40.0
		4/28/2022	---	5:43 PM																												
<b>Average:</b>					<b>57.8</b>	<b>55.1</b>	<b>62.3</b>	<b>42.3</b>	<b>87.6</b>	<b>59.7</b>	<b>53.5</b>	<b>58.2</b>	<b>59.8</b>	<b>63.5</b>	<b>74.7</b>	<b>87.6</b>	<b>57.6</b>	<b>58.1</b>	<b>58.8</b>	<b>61.9</b>	<b>69.8</b>	<b>57.8</b>	<b>87.6</b>	<b>55.2</b>	<b>71.2</b>	<b>43.5</b>	<b>54.7</b>	<b>67.6</b>	<b>38.8</b>	<b>41.9</b>	<b>49.8</b>	<b>42.0</b>
CUP Site #6	Measurement #1	4/26/2022	3:39 PM	---	59.8	52.5	61.7	41.7	93.5	60.3	52.4	59.4	60.5	65.8	77.8	93.5	54.7	56.6	58.2	67.6	83.0	60.0	93.5	53.2	83.0	45.8	57.8	73.5	38.2	47.6	63.0	41.0
CUP Site #7	Measurement #1	4/26/2022	3:52 PM	---	57.8	56.8	63.5	43.5	92.7	58.5	52.8	62.3	62.7	78.2	78.2	92.7	59.3	61.4	64.0	78.1	86.1	58.0	92.7	56.5	86.1	58.2	58.2	72.7	44.0	58.1	66.1	43.4

## Summary

Serial Number BGI040008  
 Start Time 15:10:43 12-Apr-2022  
 Run Length 24:00:00 5529600

UNIT REV R12N

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	114	
Date		15:05:54 12-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	24	24
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	71.8	71.8
Lmax	dB	89.6	89.6
Lmin	dB	58.1	58.1
Lpk	dB	119.5	119.5
TWA	dB	76.6	76.5
PTWA	dB	76.6	76.5
DOSE	%	45.34	45.08
PDOSE	%	45.34	45.08
SEL	dB	121.2	121.1
EXP	p2s	520	520

Measurement	Units	Value
LDN	dB	73.3
CNEL	dB	73.2
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	86.9
L08	dB	71.4
L25	dB	67.5
L50	dB	63.6

**CUP Site #1 - Measurement #1**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	31	0	00:00:00	1	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	89.6	86.9	80.8	79	77.9	76.7	75	73.1	71.4	70.4
10	69.7	69.2	68.9	68.7	68.5	68.4	68.3	68.1	68	68
20	67.9	67.8	67.7	67.6	67.6	67.5	67.4	67.2	67	66.5
30	66.1	65.8	65.5	65.3	65.1	65	64.9	64.8	64.7	64.6
40	64.5	64.4	64.3	64.2	64.1	64	63.9	63.9	63.8	63.7
50	63.6	63.5	63.4	63.3	63.3	63.2	63.1	63	62.9	62.8
60	62.7	62.6	62.5	62.4	62.4	62.3	62.1	62	62	61.9
70	61.8	61.7	61.6	61.6	61.5	61.4	61.3	61.2	61.2	61.1
80	61	60.9	60.9	60.8	60.7	60.6	60.5	60.4	60.3	60.2
90	60.1	60	59.9	59.8	59.7	59.6	59.4	59.3	59.1	58.9

Raw Stat Table

dB	Count
58.1	32
58.2	157
58.3	485
58.4	1010
58.5	2508
58.6	5912
58.7	6836
58.8	10656
58.9	15848
59	21723
59.1	28228
59.2	24567
59.3	30371
59.4	36609
59.5	39110
59.6	41978
59.7	45514
59.8	48737
59.9	51752
60	52951
60.1	51760
60.2	52992
60.3	54368
60.4	55827
60.5	61125
60.6	61986
60.7	63050
60.8	64801
60.9	64269
61	65667
61.1	68730

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
58	0	0	0	0	0.01	0.04	0.1	0.12	0.19	0.28
59	0.39	0.51	0.44	0.54	0.66	0.7	0.75	0.82	0.88	0.93
60	0.95	0.93	0.95	0.98	1	1.1	1.12	1.14	1.17	1.16
61	1.18	1.24	1.28	1.29	1.31	1.24	1.24	1.22	1.24	1.27
62	1.26	1.3	1.11	0.65	1.09	1.07	1.1	1.11	1.08	1.09
63	1.14	1.1	1.09	1.14	1.17	1.18	1.12	1.16	1.19	1.19
64	1.16	1.16	1.13	1.15	1.09	1.05	1.04	0.97	0.91	0.89
65	0.88	0.82	0.78	0.44	0.55	0.51	0.48	0.44	0.4	0.35
66	0.31	0.28	0.27	0.26	0.23	0.21	0.2	0.19	0.2	0.22
67	0.26	0.3	0.39	0.53	0.71	0.92	1.08	1.11	1.21	1.22
68	1.24	1.27	1.22	0.69	0.83	0.77	0.66	0.58	0.51	0.44
69	0.39	0.34	0.31	0.27	0.23	0.21	0.19	0.18	0.16	0.16
70	0.15	0.15	0.15	0.14	0.13	0.12	0.11	0.11	0.1	0.1
71	0.09	0.09	0.09	0.05	0.07	0.07	0.07	0.06	0.05	0.06
72	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04
73	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
74	0.05	0.05	0.06	0.04	0.05	0.04	0.04	0.04	0.05	0.04

**CUP Site #1 - Measurement #1**

Summary

75	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	61.2	70869
76	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	61.3	71614
77	0.09	0.09	0.09	0.06	0.08	0.07	0.07	0.08	0.09	0.11	61.4	72514
78	0.1	0.09	0.09	0.07	0.07	0.08	0.09	0.09	0.09	0.08	61.5	69008
79	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.07	61.6	69024
80	0.07	0.06	0.05	0.03	0.03	0.02	0.02	0.02	0.02	0.01	61.7	67735
81	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	61.8	68963
82	0.01	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	61.9	70771
83	0.01	0.01	0.01	0.01	0	0.01	0.01	0	0	0	62	69971
84	0	0	0	0	0	0	0	0	0	0	62.1	72091
85	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	62.2	61797
86	0.02	0.01	0.02	0.03	0.02	0.03	0.04	0.05	0.05	0.06	62.3	36088
87	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	62.4	60633
88	0.06	0.05	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0	62.5	59337
89	0	0	0	0	0	0	0				62.6	60831
											62.7	61454
											62.8	60053
											62.9	60772
											63	63168
											63.1	61049
											63.2	60620
											63.3	63444
											63.4	64963
											63.5	65327
											63.6	62183
											63.7	64337
											63.8	66345
											63.9	66074
											64	64568
											64.1	64641
											64.2	62890
											64.3	64118
											64.4	60708
											64.5	58371
											64.6	57550
											64.7	53756
											64.8	50489
											64.9	49458
											65	48834
											65.1	45644
											65.2	43340
											65.3	24435
											65.4	30607

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		64.9	89.2	67.5	63.4
	0:02:00	0:02:00		64.4	79.1	65.5	62.8
	0:03:00	0:03:00		64.4	80.5	65.9	63.2
	0:04:00	0:04:00		64.4	82.5	66.2	62.8
	0:05:00	0:05:00		64.2	84.6	65.6	63.1
	0:06:00	0:06:00		63.5	78.6	65.2	61.9
	0:07:00	0:07:00		65	86.6	67.1	63.3
	0:08:00	0:08:00		63.5	78.1	64.7	62
	0:09:00	0:09:00		63	78.7	64.5	61.4
	0:10:00	0:10:00		62.7	78	65.2	61.3
	0:11:00	0:11:00		63.5	78.8	65.2	61.9
	0:12:00	0:12:00		62.8	78.2	65.1	61.7
	0:13:00	0:13:00		64.6	82.9	68.6	62.4
	0:14:00	0:14:00		62.4	76.4	63.7	61.3
	0:15:00	0:15:00		66.9	86.1	74.4	61.9
	0:16:00	0:16:00		64.8	81.1	67.9	62.8
	0:17:00	0:17:00		64.4	80	65.6	63.1
	0:18:00	0:18:00		64.1	86.6	65.3	63.3
	0:19:00	0:19:00		65.2	82.8	68	63.2
	0:20:00	0:20:00		64.5	87	68.1	62.7
	0:21:00	0:21:00		63.9	79.7	65.8	61.9
	0:22:00	0:22:00		65.4	82.7	68.6	63.1
	0:23:00	0:23:00		65.2	83.1	67.5	63.7
	0:24:00	0:24:00		65.1	81.1	67	63.6
	0:25:00	0:25:00		66.3	83.4	70.3	64.1
	0:26:00	0:26:00		64.7	82.7	66.2	62.8
	0:27:00	0:27:00		65.2	84.6	70	63.1
	0:28:00	0:28:00		64.6	80.3	66.5	62.9
	0:29:00	0:29:00		66.4	93	72.9	64
	0:30:00	0:30:00		65.1	85.3	68.2	63.3
	0:31:00	0:31:00		67.1	88.3	71.4	63.3
	0:32:00	0:32:00		66.9	91	70.2	64.3
	0:33:00	0:33:00		64.6	87.7	66.5	63.3
	0:34:00	0:34:00		64.8	79.8	66.7	63.6
	0:35:00	0:35:00		65.3	85.9	67.4	63.8
	0:36:00	0:36:00		63.9	84.6	66.2	62.6
	0:37:00	0:37:00		64.1	78.4	65.4	62.6
	0:38:00	0:38:00		64.1	80.1	65.2	62.8
	0:39:00	0:39:00		63.8	83.6	65.8	62.1
	0:40:00	0:40:00		64.6	79.2	66.1	63.2
	0:41:00	0:41:00		66.1	84.4	69.2	64.1
	0:42:00	0:42:00	Overload	66.3	88.7	71.9	63.5
	0:43:00	0:43:00		65.6	84.4	69	63.7
	0:44:00	0:44:00		65.1	81.4	67	63.6
	0:45:00	0:45:00		65.2	82.1	67.3	63.5
	0:46:00	0:46:00		65.6	80.8	67.4	64.3
	0:47:00	0:47:00		64.4	81.2	65.9	62.4
	0:48:00	0:48:00		64.6	81.5	66.6	63
	0:49:00	0:49:00		64.2	79.6	65.9	62.6
	0:50:00	0:50:00		72.1	96.4	81.9	63.5
	0:51:00	0:51:00		64.8	79.3	66.5	63.5
	0:52:00	0:52:00		65.5	83.6	67.6	63.5
	0:53:00	0:53:00		66.2	81.4	68.2	64.8
	0:54:00	0:54:00		65.1	83.3	67.3	63.3
	0:55:00	0:55:00		64.4	79.7	66.3	62.5
	0:56:00	0:56:00		64.8	85.5	67.1	62.2
	0:57:00	0:57:00		64.3	82.3	66.9	62.5
	0:58:00	0:58:00		65.1	80.9	68.8	63.7
	0:59:00	0:59:00		64.7	81.8	66.3	63.1
	1:00:00	1:00:00		63.7	80.8	64.8	62.3
	1:01:00	1:01:00		64.5	79.1	65.9	63.1
	1:02:00	1:02:00		65.3	85.3	68	63.2
	1:03:00	1:03:00		64	78.3	65.4	62.5
	1:04:00	1:04:00		63.9	79.4	65.7	62.2
	1:05:00	1:05:00		64	83.6	66.4	62.6
	1:06:00	1:06:00		64.5	82.5	66.1	63
	1:07:00	1:07:00		64.9	84.2	67.4	63.4
	1:08:00	1:08:00		64.8	82.6	68.4	62.1
	1:09:00	1:09:00		64.1	85.7	68.4	62.1
	1:10:00	1:10:00		64	81.6	65.8	61.9
	1:11:00	1:11:00		65.1	82.8	68.5	62.5
	1:12:00	1:12:00		63.3	77.4	64.1	62.5
	1:13:00	1:13:00		64.8	84.2	71	62.1
	1:14:00	1:14:00		64.2	81.9	66.8	62.2
	1:15:00	1:15:00		63.5	79.2	66.1	62
	1:16:00	1:16:00		65.1	84.7	72.1	62.4
	1:17:00	1:17:00		66.9	84.3	72.7	63.5
	1:18:00	1:18:00		65.4	84.3	70	62.7
	1:19:00	1:19:00		64.2	86	68.5	62.4
	1:20:00	1:20:00		63.5	79.4	65.9	62.1
	1:21:00	1:21:00		64.1	85.4	65.9	62.6
	1:22:00	1:22:00		66.3	83.8	70.3	63.6
	1:23:00	1:23:00		64.6	86.9	66.2	63.4
	1:24:00	1:24:00		65.2	83.7	68.1	63.4
	1:25:00	1:25:00		63.8	87.3	65.5	62.6
	1:26:00	1:26:00		63.6	77.8	64.7	62.1
	1:27:00	1:27:00		62.9	80.5	65.2	61.6
	1:28:00	1:28:00		63.5	78.1	64.9	62
	1:29:00	1:29:00		64.8	83.6	67.6	63.3
	1:30:00	1:30:00		64.9	80.8	66.7	64
	1:31:00	1:31:00		65.3	82.7	67.6	64.1
	1:32:00	1:32:00		65.3	85.2	67.1	63.8
	1:33:00	1:33:00		64.6	88.2	66.7	63.4
	1:34:00	1:34:00		65.1	80.6	66.7	64
	1:35:00	1:35:00		67.5	85.8	71.7	64.9
	1:36:00	1:36:00		65.8	85.9	72.2	62.7
	1:37:00	1:37:00		63.3	77.4	64.6	62.5
	1:38:00	1:38:00		64.2	78.7	65.8	63
	1:39:00	1:39:00		64.6	82.9	67.7	63
	1:40:00	1:40:00		64.1	78.2	65.6	62.8

	Daytime	Nighttime
L <sub>eq</sub>	73.7	62.3
L <sub>max</sub>	89.6	85.1
CNEL	73.3	
L <sub>dn</sub>	73.2	
L <sub>50</sub>	78.9	64.1
L <sub>25</sub>	81.8	64.7
L <sub>10</sub>	84.3	66.0
L <sub>1</sub>	87.2	72.3
L <sub>min</sub>	89.6	85.1

	L <sub>eq</sub>	L <sub>max</sub>
7:30 a.m. - 9:30 p.m.	73.9	89.6
9:30 p.m. - 7:30 a.m.	62.9	87.3

Time	L <sub>eq</sub> 10 <sup>(N/10)</sup>	CNEL	CNEL 10 <sup>(N/10)</sup>	L <sub>dn</sub>	L <sub>dn</sub> 10 <sup>(N/10)</sup>	L <sub>max</sub> 10 <sup>(N/10)</sup>
3:10 PM						
3:11 PM	3090295.43	64.9	3090295.43	64.9	3090295.43	5623413.25
3:12 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	3548133.89
3:13 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	3890451.45
3:14 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	4168693.83
3:15 PM	2630267.99	64.2	2630267.99	64.2	2630267.99	3630780.55
3:16 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	3311311.21
3:17 PM	3162277.66	65	3162277.66	65.0	3162277.66	5128613.84
3:18 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	2951209.23
3:19 PM	1995262.31	63	1995262.31	63.0	1995262.31	2818382.93
3:20 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	3311311.21
3:21 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	3311311.21
3:22 PM	1905460.72	62.8	1905460.72	62.8	1905460.72	3235936.57
3:23 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	7244359.60
3:24 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	2344228.82
3:25 PM	4897788.19	66.9	4897788.19	66.9	4897788.19	27542287.03
3:26 PM	3019951.72	64.8	3019951.72	64.8	3019951.72	6165950.02
3:27 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	3630780.55
3:28 PM	2570395.78	64.1	2570395.78	64.1	2570395.78	3388441.56
3:29 PM	3311311.21	65.2	3311311.21	65.2	3311311.21	6309573.44
3:30 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	6456542.29
3:31 PM	2454708.92	63.9	2454708.92	63.9	2454708.92	3801893.96
3:32 PM	3467368.50	65.4	3467368.50	65.4	3467368.50	7244359.60
3:33 PM	3311311.21	65.2	3311311.21	65.2	3311311.21	5623413.25
3:34 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	5011872.34
3:35 PM	4265795.19	66.3	4265795.19	66.3	4265795.19	10715193.05
3:36 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	4168693.83
3:37 PM	3311311.21	65.2	3311311.21	65.2	3311311.21	10000000.00
3:38 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	4466835.92
3:39 PM	4365158.32	66.4	4365158.32	66.4	4365158.32	1949844.60
3:40 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	6606934.48
3:41 PM	5128613.84	67.1	5128613.84	67.1	5128613.84	13803842.65
3:42 PM	4897788.19	66.9	4897788.19	66.9	4897788.19	10471285.48
3:43 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	4466835.92
3:44 PM	3019951.72	64.8	3019951.72	64.8	3019951.72	4677351.41
3:45 PM	3388441.56	65.3	3388441.56	65.3	3388441.56	5495408.74
3:46 PM	2454708.92	63.9	2454708.92	63.9	2454708.92	4168693.83
3:47 PM	2570395.78	64.1	2570395.78	64.1	2570395.78	3467368.50
3:48 PM	2570395.78	64.1	2570395.78	64.1	2570395.78	3311311.21
3:49 PM	2398832.92	63.8	2398832.92	63.8	2398832.92	3801893.96
3:50 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	4073802.78
3:51 PM	4073802.78	66.1	4073802.78	66.1	4073802.78	8317637.71
3:52 PM	4265795.19	66.3	4265795.19	66.3	4265795.19	15488166.19
3:53 PM	3630780.55	65.6	3630780.55	65.6	3630780.55	7943282.35
3:54 PM	3235936.57					

1:41:00	1:41:00	Overload	64.7	87.1	66.4	63.7	4:51 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	4365158.32
1:42:00	1:42:00		64	79.6	65.5	62.8	4:52 PM	2511886.43	64	2511886.43	64.0	2511886.43	3548133.89
1:43:00	1:43:00		65	81.7	67.3	63.7	4:53 PM	3162277.66	65	3162277.66	65.0	3162277.66	57307317.96
1:44:00	1:44:00		63.8	78.6	65	62.9	4:54 PM	2398832.92	63.8	2398832.92	63.8	2398832.92	3162277.66
1:45:00	1:45:00		64.7	84.5	68.3	63.1	4:55 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	6760829.75
1:46:00	1:46:00		65.1	83.8	68.1	63	4:56 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	6456542.29
1:47:00	1:47:00		65.6	83.1	69.3	63.8	4:57 PM	3630780.55	65.6	3630780.55	65.6	3630780.55	8511380.38
1:48:00	1:48:00		64.4	79	65.9	63	4:58 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	3890451.45
1:49:00	1:49:00	Overload	65.2	84	67.9	63.8	4:59 PM	3311311.21	65.2	3311311.21	65.2	3311311.21	6165950.02
1:50:00	1:50:00		65.5	85.9	67.2	64.1	5:00 PM	3548133.89	65.5	3548133.89	65.5	3548133.89	5248074.60
1:51:00	1:51:00	Overload	66.2	86.3	69.6	64	5:01 PM	4168693.83	66.2	4168693.83	66.2	4168693.83	9120108.39
1:52:00	1:52:00		64.7	79.6	65.8	63.6	5:02 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	3801893.96
1:53:00	1:53:00		64.3	81.5	66.2	63.3	5:03 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	4168693.83
1:54:00	1:54:00		65	81.5	67.5	62.7	5:04 PM	3162277.66	65	3162277.66	65.0	3162277.66	5623413.25
1:55:00	1:55:00		65.1	91.6	68.5	62.8	5:05 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	7079457.84
1:56:00	1:56:00		64.7	88	67.5	62.9	5:06 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	5623413.25
1:57:00	1:57:00		64.1	81.6	67.1	63.2	5:07 PM	2570395.78	64.1	2570395.78	64.1	2570395.78	5128613.84
1:58:00	1:58:00		65.1	83.7	67.4	62.8	5:08 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	5495408.74
1:59:00	1:59:00		65.6	86.9	66.9	64.2	5:09 PM	3630780.55	65.6	3630780.55	65.6	3630780.55	4897788.19
2:00:00	2:00:00		65.5	82.6	68.1	64.1	5:10 PM	3548133.89	65.5	3548133.89	65.5	3548133.89	6456542.29
2:01:00	2:01:00		64.4	78.6	65.6	63.2	5:11 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	3630780.55
2:02:00	2:02:00		65.1	80.8	66.6	63.7	5:12 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	4570881.90
2:03:00	2:03:00		66.3	83.3	69.9	64.1	5:13 PM	4265795.19	66.3	4265795.19	66.3	4265795.19	9772372.21
2:04:00	2:04:00		65.1	85.8	67.4	63.3	5:14 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	5495408.74
2:05:00	2:05:00		64.1	82.5	67.1	62.8	5:15 PM	2570395.78	64.1	2570395.78	64.1	2570395.78	5128613.84
2:06:00	2:06:00		64.8	83.5	69.4	62.9	5:16 PM	3019951.72	64.8	3019951.72	64.8	3019951.72	8709635.90
2:07:00	2:07:00		65.1	82.9	67.4	63.2	5:17 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	5495408.74
2:08:00	2:08:00		65.1	83.8	68.7	62.9	5:18 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	7413102.41
2:09:00	2:09:00		65.2	81.7	67.4	63	5:19 PM	3311311.21	65.2	3311311.21	65.2	3311311.21	5495408.74
2:10:00	2:10:00		65.5	83.2	68	63.8	5:20 PM	3548133.89	65.5	3548133.89	65.5	3548133.89	6309573.44
2:11:00	2:11:00		64.6	85.2	68.4	62.8	5:21 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	6918309.71
2:12:00	2:12:00		65	82.7	67.4	63.4	5:22 PM	3162277.66	65	3162277.66	65.0	3162277.66	5495408.74
2:13:00	2:13:00		64.7	83.6	67.2	63.4	5:23 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	5248074.60
2:14:00	2:14:00		64.3	85.1	66	62.9	5:24 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	3981071.71
2:15:00	2:15:00		63.3	77.1	65.6	61.8	5:25 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	3630780.55
2:16:00	2:16:00		64.1	78.7	65.5	63.2	5:26 PM	2570395.78	64.1	2570395.78	64.1	2570395.78	3548133.89
2:17:00	2:17:00		64.3	80.6	66.1	63.1	5:27 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	4073802.78
2:18:00	2:18:00		64.1	79.3	65.1	63	5:28 PM	2570395.78	64.1	2570395.78	64.1	2570395.78	3235936.57
2:19:00	2:19:00		64.4	79.3	65.6	62.5	5:29 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	3630780.55
2:20:00	2:20:00		65.1	88.3	67.2	63.2	5:30 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	5248074.60
2:21:00	2:21:00		66.1	91.7	72.7	63.5	5:31 PM	4073802.78	66.1	4073802.78	66.1	4073802.78	18620871.37
2:22:00	2:22:00		63.9	77.9	64.6	62.8	5:32 PM	2454708.92	63.9	2454708.92	63.9	2454708.92	2884031.50
2:23:00	2:23:00		64.6	80.6	67	62.6	5:33 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	5011872.34
2:24:00	2:24:00		63.9	80.3	65.8	62.5	5:34 PM	2454708.92	63.9	2454708.92	63.9	2454708.92	3801893.96
2:25:00	2:25:00		64	89.4	70.5	62.4	5:35 PM	2511886.43	64	2511886.43	64.0	2511886.43	11220184.54
2:26:00	2:26:00		65.6	88.8	68.2	62	5:36 PM	3630780.55	65.6	3630780.55	65.6	3630780.55	6606934.48
2:27:00	2:27:00		63.5	79	64.7	62	5:37 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	2951209.23
2:28:00	2:28:00		63.6	82.3	65.3	61.9	5:38 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	3388441.56
2:29:00	2:29:00		63.6	78.6	65.4	62.5	5:39 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	3467368.50
2:30:00	2:30:00		63.2	78.1	64.9	62	5:40 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	3090295.43
2:31:00	2:31:00		63.3	78.3	64.9	62.3	5:41 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	3090295.43
2:32:00	2:32:00		64.1	80.5	67.8	62.2	5:42 PM	2570395.78	64.1	2570395.78	64.1	2570395.78	6025595.86
2:33:00	2:33:00		63.9	81.2	66.5	62.6	5:43 PM	2454708.92	63.9	2454708.92	63.9	2454708.92	4466835.92
2:34:00	2:34:00		63.8	82.5	65.1	62.7	5:44 PM	2398832.92	63.8	2398832.92	63.8	2398832.92	3235936.57
2:35:00	2:35:00		63.2	79.3	64.7	62.1	5:45 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	2951209.23
2:36:00	2:36:00		63.3	79.2	65.2	62	5:46 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	3311311.21
2:37:00	2:37:00		63	79.2	64.8	62	5:47 PM	1995262.31	63	1995262.31	63.0	1995262.31	3019951.72
2:38:00	2:38:00		62.6	78.4	63.5	61.3	5:48 PM	1819700.86	62.6	1819700.86	62.6	1819700.86	2238721.14
2:39:00	2:39:00		63.5	78.2	64.8	62.4	5:49 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	3019951.72
2:40:00	2:40:00		63.6	82.6	67.4	62.1	5:50 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	5495408.74
2:41:00	2:41:00		63.2	82	64.8	62.1	5:51 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	3019951.72
2:42:00	2:42:00		63	79.2	65	61.1	5:52 PM	1995262.31	63	1995262.31	63.0	1995262.31	3162277.66
2:43:00	2:43:00		63.4	79.3	67	61.3	5:53 PM	2187761.62	63.4	2187761.62	63.4	2187761.62	5011872.34
2:44:00	2:44:00		63.3	81.9	67.1	62.1	5:54 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	5128613.84
2:45:00	2:45:00		63.4	84.8	65.5	62	5:55 PM	2187761.62	63.4	2187761.62	63.4	2187761.62	3548133.89
2:46:00	2:46:00		64.1	80.6	66.1	62.8	5:56 PM	2570395.78	64.1	2570395.78	64.1	2570395.78	4073802.78
2:47:00	2:47:00		63.7	82.9	67.6	61.8	5:57 PM	2344228.82	63.7	2344228.82	63.7	2344228.82	5754399.37
2:48:00	2:48:00		63.7	80.5	65.9	62.5	5:58 PM	2344228.82	63.7	2344228.82	63.7	2344228.82	3890451.45
2:49:00	2:49:00		64.5	80.3	67.1	63.1	5:59 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	5128613.84
2:50:00	2:50:00		67.5	89.6	77.2	62.7	6:00 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	5248074.60
2:51:00	2:51:00		64.3	80.4	66.4	62.2	6:01 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	4365158.32
2:52:00	2:52:00		62.9	78	64.3	62.1	6:02 PM	1949844.60	62.9	1949844.60	62.9	1949844.60	2691534.80
2:53:00	2:53:00		64.7	81.6	68.4	62.6	6:03 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	6918309.71
2:54:00	2:54:00		63.7	82	65	62.4	6:04 PM	2344228.82	63.7	2344228.82	63.7	2344228.82	3162277.66
2:55:00	2:55:00		64.5	83.6	66.5	62.7	6:05 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	4466835.92
2:56:00	2:56:00		64.5	80.6	65.9	63.3	6:06 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	3890451.45
2:57:00	2:57:00		64.2	78.5	65.7	63	6:07 PM	2630267.99	64.2	2630267.99	64.2	2630267.99	3715352.29
2:58:00	2:58:00		64.5	79.9	66.2	63.1	6:08 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	4168693.83
2:59:00	2:59:00		63.7	83.6	6								

Data

3:26:00	3:26:00	64.8	82.4	67.2	63.4	6:36 PM	3019951.72	64.8	3019951.72	64.8	3019951.72	5248074.60
3:27:00	3:27:00	65.1	83	68.2	63.4	6:37 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	6606934.48
3:28:00	3:28:00	64.5	80.7	67.4	62.8	6:38 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	5495408.74
3:29:00	3:29:00	64.8	80.8	66.4	63.4	6:39 PM	3019951.72	64.8	3019951.72	64.8	3019951.72	4365158.32
3:30:00	3:30:00	65.2	81.1	68.4	63.4	6:40 PM	3311311.21	65.2	3311311.21	65.2	3311311.21	6918309.71
3:31:00	3:31:00	67.5	86.6	75	64.7	6:41 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	31622776.60
3:32:00	3:32:00	65.1	83.9	68	62.6	6:42 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	6309573.44
3:33:00	3:33:00	63.7	81.2	65.6	62.4	6:43 PM	2344228.82	63.7	2344228.82	63.7	2344228.82	3630780.55
3:34:00	3:34:00	64.5	82.4	69	61.8	6:44 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	7943282.35
3:35:00	3:35:00	63.4	79	64.8	61.7	6:45 PM	2187761.62	63.4	2187761.62	63.4	2187761.62	3019951.72
3:36:00	3:36:00	65.4	85.5	69.8	62.7	6:46 PM	3467368.50	65.4	3467368.50	65.4	3467368.50	9549925.86
3:37:00	3:37:00	64.5	80.7	69.2	62.9	6:47 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	8317637.71
3:38:00	3:38:00	64.7	85.6	68.7	62.9	6:48 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	7413102.41
3:39:00	3:39:00	64.3	80	66.3	62.9	6:49 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	4265795.19
3:40:00	3:40:00	64.5	80.2	66.6	63.1	6:50 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	4570881.90
3:41:00	3:41:00	64.8	81.3	67.1	63.9	6:51 PM	3019951.72	64.8	3019951.72	64.8	3019951.72	5128613.84
3:42:00	3:42:00	65	86.2	66.8	63.8	6:52 PM	3162277.66	65	3162277.66	65.0	3162277.66	4786300.92
3:43:00	3:43:00	64.9	80.5	68.2	63.3	6:53 PM	3090295.43	64.9	3090295.43	64.9	3090295.43	6606934.48
3:44:00	3:44:00	69	92.3	77.2	62.6	6:54 PM	7943282.35	69	7943282.35	69.0	7943282.35	5248074.60
3:45:00	3:45:00	64.2	83.1	66.7	63.1	6:55 PM	2630267.99	64.2	2630267.99	64.2	2630267.99	4677351.41
3:46:00	3:46:00	64.6	79.4	66.2	62.8	6:56 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	4168693.83
3:47:00	3:47:00	64.3	80.1	66.2	63	6:57 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	4168693.83
3:48:00	3:48:00	65.4	86	68	63.9	6:58 PM	3467368.50	65.4	3467368.50	65.4	3467368.50	6309573.44
3:49:00	3:49:00	65	83.7	65.9	64	6:59 PM	3162277.66	65	3162277.66	65.0	3162277.66	3890451.45
3:50:00	3:50:00	65.9	85.6	67.1	64.7	7:00 PM	3890451.45	70.9	12302687.71	65.9	3890451.45	5128613.84
3:51:00	3:51:00	66.4	91.8	73	64.4	7:01 PM	4365158.32	71.4	13803842.65	66.4	4365158.32	19952623.15
3:52:00	3:52:00	66.1	88.9	70.1	64.1	7:02 PM	4073802.78	71.1	12882495.52	66.1	4073802.78	10232929.92
3:53:00	3:53:00	66.5	92.2	76.4	63.7	7:03 PM	4466835.92	71.5	14125375.45	66.5	4466835.92	43651583.22
3:54:00	3:54:00	64.9	79.9	67.3	63.7	7:04 PM	3090295.43	69.9	9772372.21	64.9	3090295.43	5370317.96
3:55:00	3:55:00	63.8	79.4	64.9	62.4	7:05 PM	2398832.92	68.8	7585775.75	63.8	2398832.92	3090295.43
3:56:00	3:56:00	64.9	81.8	66.3	63.7	7:06 PM	3090295.43	69.9	9772372.21	64.9	3090295.43	4265795.19
3:57:00	3:57:00	65	82.3	68.7	62.5	7:07 PM	3162277.66	70	10000000.00	65.0	3162277.66	7413102.41
3:58:00	3:58:00	64.1	80.5	65.4	63.1	7:08 PM	2570395.78	69.1	8128305.16	64.1	2570395.78	3467368.50
3:59:00	3:59:00	64.7	80.1	66.6	63.3	7:09 PM	2951209.23	69.7	9332543.01	64.7	2951209.23	4570881.90
4:00:00	4:00:00	66.6	87	69.3	64.8	7:10 PM	4570881.90	71.6	14454397.71	66.6	4570881.90	8511380.38
4:01:00	4:01:00	65.9	82.8	66.9	65.1	7:11 PM	3890451.45	70.9	12302687.71	65.9	3890451.45	4897788.19
4:02:00	4:02:00	66	82.9	67.4	64.6	7:12 PM	3981071.71	71	12589254.12	66.0	3981071.71	5495408.74
4:03:00	4:03:00	65.9	81.6	68.1	64.9	7:13 PM	3890451.45	70.9	12302687.71	65.9	3890451.45	6456542.29
4:04:00	4:04:00	66	84.9	67.2	64.6	7:14 PM	3981071.71	71	12589254.12	66.0	3981071.71	5248074.60
4:05:00	4:05:00	65.8	81	68.2	62.7	7:15 PM	3801893.96	70.8	12022644.35	65.8	3801893.96	6606934.48
4:06:00	4:06:00	64.5	79.3	65.8	63.2	7:16 PM	2818382.93	69.5	8912509.38	64.5	2818382.93	3801893.96
4:07:00	4:07:00	65	80.4	66.7	62.8	7:17 PM	3162277.66	70	10000000.00	65.0	3162277.66	4677351.41
4:08:00	4:08:00	65.3	81.9	67.1	63.9	7:18 PM	3388441.56	70.3	10715193.05	65.3	3388441.56	5128613.84
4:09:00	4:09:00	64.6	83.2	66.3	63.4	7:19 PM	2884031.50	69.6	9120108.39	64.6	2884031.50	4265795.19
4:10:00	4:10:00	65.1	84.1	70.3	63.1	7:20 PM	3235936.57	70.1	10232929.92	65.1	3235936.57	10715193.05
4:11:00	4:11:00	65.2	80	67.8	63.9	7:21 PM	3311311.21	70.2	10471285.48	65.2	3311311.21	6025595.86
4:12:00	4:12:00	65.6	80.7	67	63.5	7:22 PM	3630780.55	70.6	11481536.21	65.6	3630780.55	5011872.34
4:13:00	4:13:00	65.3	79.8	66.9	63.6	7:23 PM	3388441.56	70.3	10715193.05	65.3	3388441.56	4897788.19
4:14:00	4:14:00	66.4	85.1	69.9	64.5	7:24 PM	4365158.32	71.4	13803842.65	66.4	4365158.32	9772372.21
4:15:00	4:15:00	66	81	68.7	63.9	7:25 PM	3981071.71	71	12589254.12	66.0	3981071.71	7413102.41
4:16:00	4:16:00	65.7	80.2	67.3	64	7:26 PM	3715352.29	70.7	11748975.55	65.7	3715352.29	5370317.96
4:17:00	4:17:00	66.2	81.8	68.1	65.2	7:27 PM	4168693.83	71.2	13182567.39	66.2	4168693.83	6456542.29
4:18:00	4:18:00	65.4	82.3	67.7	63.3	7:28 PM	3467368.50	70.4	10964781.96	65.4	3467368.50	5888436.55
4:19:00	4:19:00	65	79.6	66.4	63.7	7:29 PM	3162277.66	70	10000000.00	65.0	3162277.66	4365158.32
4:20:00	4:20:00	64.6	80.7	66.2	62.7	7:30 PM	2884031.50	69.6	9120108.39	64.6	2884031.50	4168693.83
4:21:00	4:21:00	64.7	79.8	67.2	62.7	7:31 PM	2951209.23	69.7	9332543.01	64.7	2951209.23	5248074.60
4:22:00	4:22:00	64.8	87.2	70.1	62.8	7:32 PM	3019951.72	69.8	9549925.86	64.8	3019951.72	10232929.92
4:23:00	4:23:00	65.8	82.1	69.8	63.6	7:33 PM	3801893.96	70.8	12022644.35	65.8	3801893.96	9549925.86
4:24:00	4:24:00	66.1	84.8	71.1	64.4	7:34 PM	4073802.78	71.1	12882495.52	66.1	4073802.78	12882495.52
4:25:00	4:25:00	66.4	83.8	68.9	65	7:35 PM	4365158.32	71.4	13803842.65	66.4	4365158.32	7762471.17
4:26:00	4:26:00	65.3	80	67.6	63.3	7:36 PM	3388441.56	70.3	10715193.05	65.3	3388441.56	5754399.37
4:27:00	4:27:00	64.6	86.2	65.7	63.5	7:37 PM	2884031.50	69.6	9120108.39	64.6	2884031.50	3715352.29
4:28:00	4:28:00	64.8	82.5	67.8	63.3	7:38 PM	3019951.72	69.8	9549925.86	64.8	3019951.72	6025595.86
4:29:00	4:29:00	65.3	84.1	67.2	63.4	7:39 PM	3388441.56	70.3	10715193.05	65.3	3388441.56	5248074.60
4:30:00	4:30:00	64.4	81.9	66	63.2	7:40 PM	2754228.70	69.4	8709635.90	64.4	2754228.70	3981071.71
4:31:00	4:31:00	65	89.9	66.2	64	7:41 PM	3162277.66	70	10000000.00	65.0	3162277.66	4168693.83
4:32:00	4:32:00	64.1	79	65.6	62.9	7:42 PM	2570395.78	69.1	8128305.16	64.1	2570395.78	3630780.55
4:33:00	4:33:00	64.4	81.4	66.4	63	7:43 PM	2754228.70	69.4	8709635.90	64.4	2754228.70	4365158.32
4:34:00	4:34:00	64.8	83.2	68	63.5	7:44 PM	3019951.72	69.8	9549925.86	64.8	3019951.72	6309573.44
4:35:00	4:35:00	64.8	79.3	66.6	63.3	7:45 PM	3019951.72	69.8	9549925.86	64.8	3019951.72	4570881.90
4:36:00	4:36:00	64.1	79.7	66.6	63.1	7:46 PM	2570395.78	69.1	8128305.16	64.1	2570395.78	4570881.90
4:37:00	4:37:00	64.1	78.8	65.3	63	7:47 PM	2570395.78	69.1	8128305.16	64.1	2570395.78	3388441.56
4:38:00	4:38:00	64.1	80.7	67	62.9	7:48 PM	2570395.78	69.1	8128305.16	64.1	2570395.78	5011872.34
4:39:00	4:39:00	67.5	92.6	73.6	63.7	7:49 PM	5623413.25	72.5	17782794.10	67.5	5623413.25	22908676.53
4:40:00	4:40:00	66.2	86.6	72.6	63.3	7:50 PM	4168693.83	71.2	13182567.39	66.2	4168693.83	18197008.59
4:41:00	4:41:00	64.3	82	66.4	63.1	7:51 PM	2691534.80	69.3	8511380.38	64.3	2691534.80	4365158.32
4:42:00	4:42:00	64.3	79.9	65.7	62.9	7:52 PM	2691534.80	69.3	8511380.38	64.3	2691534.80	3715352.29
4:43:00	4:43:00	64.1	78.9	65.7	62.8	7:53 PM	2570395.78	69.1	8128305.16	64.1	2570395.78	3715352.29
4:44:00	4:44:00	64.6	84.6	67.6	63.6	7:54 PM	2884031.50	69.6	9120108.39	64.6	2884031.50	5754399.37
4:45:00	4:45:00	64.6	79.8	65.9	63.4	7:55 PM	2884031.50	69.6	9120108.39	64.6	2884031.50	3890451.45
4:46:00	4											

5:11:00	5:11:00	62.3	76.5	63.4	61.5	8:21 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	2187761.62
5:12:00	5:12:00	62.1	76.9	63.5	61.3	8:22 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2238721.14
5:13:00	5:13:00	62.1	79.2	63.7	61	8:23 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2344228.82
5:14:00	5:14:00	62.1	76.8	63.1	60.9	8:24 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2041737.94
5:15:00	5:15:00	62.7	80.2	66.2	61.6	8:25 PM	1862087.14	67.7	5888436.55	62.7	1862087.14	4168693.83
5:16:00	5:16:00	63.2	77.8	64.8	62	8:26 PM	2089296.13	68.2	6606934.48	63.2	2089296.13	3019951.72
5:17:00	5:17:00	62.9	77.1	64.1	61.4	8:27 PM	1949844.60	67.9	6165950.02	62.9	1949844.60	2570395.78
5:18:00	5:18:00	63.2	80.5	65.3	61.8	8:28 PM	2089296.13	68.2	6606934.48	63.2	2089296.13	3388441.56
5:19:00	5:19:00	62.7	77.8	65	61.2	8:29 PM	1862087.14	67.7	5888436.55	62.7	1862087.14	3162277.66
5:20:00	5:20:00	62.3	77	63.7	61.2	8:30 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	2344228.82
5:21:00	5:21:00	61.9	78.9	64	60.8	8:31 PM	1548816.62	66.9	4897788.19	61.9	1548816.62	2511886.43
5:22:00	5:22:00	62.2	80	65.5	61.1	8:32 PM	1659586.91	67.2	5248074.60	62.2	1659586.91	3548133.89
5:23:00	5:23:00	62.3	79.5	65.3	60.8	8:33 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	3388441.56
5:24:00	5:24:00	62.2	77.2	64.5	60.8	8:34 PM	1659586.91	67.2	5248074.60	62.2	1659586.91	2818382.93
5:25:00	5:25:00	64.2	85	69.2	61.2	8:35 PM	2630267.99	69.2	8317637.71	64.2	2630267.99	8317637.71
5:26:00	5:26:00	63.3	78.9	65.6	62	8:36 PM	2137962.09	68.3	6760829.75	63.3	2137962.09	3630780.55
5:27:00	5:27:00	64.6	84.8	68.4	62.1	8:37 PM	2884031.50	69.6	9120108.39	64.6	2884031.50	6918309.71
5:28:00	5:28:00	62.8	77.8	64.2	61.5	8:38 PM	1905460.72	67.8	6025595.86	62.8	1905460.72	2630267.99
5:29:00	5:29:00	62.8	77	64.5	61.6	8:39 PM	1905460.72	67.8	6025595.86	62.8	1905460.72	2818382.93
5:30:00	5:30:00	64.1	79.7	65.9	62.8	8:40 PM	2570395.78	69.1	8128305.16	64.1	2570395.78	3890451.45
5:31:00	5:31:00	62.9	77.6	63.9	61.8	8:41 PM	1949844.60	67.9	6165950.02	62.9	1949844.60	2454708.92
5:32:00	5:32:00	63.8	80.6	65.5	62.7	8:42 PM	2398832.92	68.8	7585775.75	63.8	2398832.92	3548133.89
5:33:00	5:33:00	65.1	91.6	76.6	62	8:43 PM	3235936.57	70.1	10232929.92	65.1	3235936.57	45708818.96
5:34:00	5:34:00	63.1	78.5	64.1	62.1	8:44 PM	2041737.94	68.1	6456542.29	63.1	2041737.94	2570395.78
5:35:00	5:35:00	64	78.9	66.7	62.1	8:45 PM	2511886.43	69	7943282.35	64.0	2511886.43	4677351.41
5:36:00	5:36:00	64.5	80.9	67.6	62.7	8:46 PM	2818382.93	69.5	8912509.38	64.5	2818382.93	5754399.37
5:37:00	5:37:00	63.3	83.5	65.3	61.9	8:47 PM	2137962.09	68.3	6760829.75	63.3	2137962.09	3388441.56
5:38:00	5:38:00	63.4	78.2	64.4	62.5	8:48 PM	2187761.62	68.4	6918309.71	63.4	2187761.62	2754228.70
5:39:00	5:39:00	64.4	85.6	68.7	63.1	8:49 PM	2754228.70	69.4	8709635.90	64.4	2754228.70	7413102.41
5:40:00	5:40:00	63.9	80.4	66.9	62.6	8:50 PM	2454708.92	68.9	7762471.17	63.9	2454708.92	4897788.19
5:41:00	5:41:00	64.4	81.1	67.8	62	8:51 PM	2754228.70	69.4	8709635.90	64.4	2754228.70	6025595.86
5:42:00	5:42:00	64.5	83	68.1	62.4	8:52 PM	2818382.93	69.5	8912509.38	64.5	2818382.93	6456542.29
5:43:00	5:43:00	63.7	79.3	65.9	62.2	8:53 PM	2344228.82	68.7	7413102.41	63.7	2344228.82	3890451.45
5:44:00	5:44:00	63.8	79.4	65.8	62.3	8:54 PM	2398832.92	68.8	7585775.75	63.8	2398832.92	3801893.96
5:45:00	5:45:00	63.8	78	65.6	62.6	8:55 PM	2398832.92	68.8	7585775.75	63.8	2398832.92	3630780.55
5:46:00	5:46:00	63.7	79.9	65.4	62.2	8:56 PM	2344228.82	68.7	7413102.41	63.7	2344228.82	3467368.50
5:47:00	5:47:00	64.4	80.4	67.3	62.2	8:57 PM	2754228.70	69.4	8709635.90	64.4	2754228.70	5370317.96
5:48:00	5:48:00	64.1	77.8	64.8	63.1	8:58 PM	2570395.78	69.1	8128305.16	64.1	2570395.78	3019951.72
5:49:00	5:49:00	63.8	79.1	65.2	62.7	8:59 PM	2398832.92	68.8	7585775.75	63.8	2398832.92	3311311.21
5:50:00	5:50:00	63.4	77.1	64.4	62.2	9:00 PM	2187761.62	68.4	6918309.71	63.4	2187761.62	2754228.70
5:51:00	5:51:00	64.2	78.9	65.4	61.9	9:01 PM	2630267.99	69.2	8317637.71	64.2	2630267.99	3467368.50
5:52:00	5:52:00	63.4	80.3	64.6	62.7	9:02 PM	2187761.62	68.4	6918309.71	63.4	2187761.62	2884031.50
5:53:00	5:53:00	63.7	81.5	68.1	62.2	9:03 PM	2344228.82	68.7	7413102.41	63.7	2344228.82	6456542.29
5:54:00	5:54:00	65.3	84.9	70.5	63.1	9:04 PM	3388441.56	70.3	10715193.05	65.3	3388441.56	11220184.54
5:55:00	5:55:00	63.6	78.2	65.2	62.6	9:05 PM	2290867.65	68.6	7244359.60	63.6	2290867.65	3311311.21
5:56:00	5:56:00	64	80.8	66.1	62.8	9:06 PM	2511886.43	69	7943282.35	64.0	2511886.43	4073802.78
5:57:00	5:57:00	64	78.6	65	62.7	9:07 PM	2511886.43	69	7943282.35	64.0	2511886.43	3162277.66
5:58:00	5:58:00	63.8	78.2	65.3	62.8	9:08 PM	2398832.92	68.8	7585775.75	63.8	2398832.92	3388441.56
5:59:00	5:59:00	63.6	78.8	65.9	62.1	9:09 PM	2290867.65	68.6	7244359.60	63.6	2290867.65	3890451.45
6:00:00	6:00:00	63	79.3	64.9	61.5	9:10 PM	1995262.31	68	6309573.44	63.0	1995262.31	3090295.43
6:01:00	6:01:00	62.9	77.6	64	61.8	9:11 PM	1949844.60	67.9	6165950.02	62.9	1949844.60	2511886.43
6:02:00	6:02:00	63.6	78.2	65.7	62	9:12 PM	2290867.65	68.6	7244359.60	63.6	2290867.65	3715352.29
6:03:00	6:03:00	63.8	80.5	67	62.6	9:13 PM	2398832.92	68.8	7585775.75	63.8	2398832.92	5011872.34
6:04:00	6:04:00	64.6	80.5	67.7	62.2	9:14 PM	2884031.50	69.6	9120108.39	64.6	2884031.50	5888436.55
6:05:00	6:05:00	63.7	81.8	67.8	61.8	9:15 PM	2344228.82	68.7	7413102.41	63.7	2344228.82	6025595.86
6:06:00	6:06:00	62.6	78.3	64.8	61.3	9:16 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	3019951.72
6:07:00	6:07:00	62.3	76.6	63.8	61.3	9:17 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	2398832.92
6:08:00	6:08:00	62.8	81.2	67.2	61.3	9:18 PM	1905460.72	67.8	6025595.86	62.8	1905460.72	5248074.60
6:09:00	6:09:00	63.3	79.9	65.8	61.5	9:19 PM	2137962.09	68.3	6760829.75	63.3	2137962.09	3801893.96
6:10:00	6:10:00	61.6	75.8	62.3	60.7	9:20 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	1698243.65
6:11:00	6:11:00	62.1	76.2	63.4	61	9:21 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2187761.62
6:12:00	6:12:00	61.3	75	62.2	60.5	9:22 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	1659586.91
6:13:00	6:13:00	61.8	76.8	63.6	60.9	9:23 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	2290867.65
6:14:00	6:14:00	61.6	80.5	66.1	60.4	9:24 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	4073802.78
6:15:00	6:15:00	61.8	79.9	64.3	60.9	9:25 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	2691534.80
6:16:00	6:16:00	61.2	75.3	62.8	60.4	9:26 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	1905460.72
6:17:00	6:17:00	60.7	75.2	61.8	60	9:27 PM	1174897.55	65.7	3715352.29	60.7	1174897.55	1513561.25
6:18:00	6:18:00	61.6	80.3	64.4	60.2	9:28 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	2754228.70
6:19:00	6:19:00	61.6	77.6	64.1	60.5	9:29 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	2570395.78
6:20:00	6:20:00	61.5	76.5	63.3	60.2	9:30 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	2137962.09
6:21:00	6:21:00	62.2	78.9	65	60.2	9:31 PM	1659586.91	67.2	5248074.60	62.2	1659586.91	3162277.66
6:22:00	6:22:00	62.2	76.7	63.3	61.4	9:32 PM	1659586.91	67.2	5248074.60	62.2	1659586.91	2137962.09
6:23:00	6:23:00	62.8	82.3	68.6	60.5	9:33 PM	1905460.72	67.8	6025595.86	62.8	1905460.72	7244359.60
6:24:00	6:24:00	62.5	78.4	66.1	61	9:34 PM	1778279.41	67.5	5623413.25	62.5	1778279.41	4073802.78
6:25:00	6:25:00	61	76.7	63.6	59.4	9:35 PM	1258925.41	66	3981071.71	61.0	1258925.41	2290867.65
6:26:00	6:26:00	60.4	75.3	62	59.7	9:36 PM	1096478.20	65.4	3467368.50	60.4	1096478.20	1584893.19
6:27:00	6:27:00	63.2	79.9	66.4	60.8	9:37 PM	2089296.13	68.2	6606934.48	63.2	2089296.13	4365158.32
6:28:00	6:28:00	62.5	79	64.8	60.5	9:38 PM	1778279.41	67.5	5623413.25	62.5	1778279.41	3019951.72
6:29:00	6:29:00	62	80.5	64.9	60.5	9:39 PM	1584893.19	67	5011872.34	62.0	1584893.19	3090295.43
6:30:00	6:30:00	70.5	119.5	87.3	60.9	9:40 PM	11220184.54	75.5	35481338.92	70.5	11220184.54	537031796.37
6:31:00	6:31:00	61.1	79.3	62.5</								

Data

6:56:00	6:56:00	63.2	80.9	66	60.6	10:06 PM	2089296.13	73.2	2089296.13	73.2	2089296.13	3981071.71
6:57:00	6:57:00	62.3	78.7	64.5	60.2	10:07 PM	1698243.65	72.3	16982436.52	72.3	16982436.52	2818382.93
6:58:00	6:58:00	61.5	79.6	62.9	60.4	10:08 PM	1412537.54	71.5	14125375.45	71.5	14125375.45	1949844.60
6:59:00	6:59:00	64.1	81.9	68	62.1	10:09 PM	2570395.78	74.1	25703957.83	74.1	25703957.83	6309573.44
7:00:00	7:00:00	63.2	79.2	65.8	61.1	10:10 PM	2089296.13	73.2	2089296.13	73.2	2089296.13	3801893.96
7:01:00	7:01:00	61.6	80.4	63.6	59.9	10:11 PM	1445439.77	71.6	14454397.71	71.6	14454397.71	2290867.65
7:02:00	7:02:00	61.6	81.6	65.2	60.2	10:12 PM	1445439.77	71.6	14454397.71	71.6	14454397.71	3311311.21
7:03:00	7:03:00	64.7	84.6	68.6	60.7	10:13 PM	2951209.23	74.7	29512092.27	74.7	29512092.27	7244359.60
7:04:00	7:04:00	64.2	84.6	66.6	62.7	10:14 PM	2630267.99	74.2	26302679.92	74.2	26302679.92	4570881.90
7:05:00	7:05:00	65.2	84.1	68.6	63	10:15 PM	3311311.21	75.2	33113112.15	75.2	33113112.15	7244359.60
7:06:00	7:06:00	63.6	81.6	65.9	60.9	10:16 PM	2290867.65	73.6	22908676.53	73.6	22908676.53	3890451.45
7:07:00	7:07:00	62.7	83.6	64.9	60.3	10:17 PM	1862087.14	72.7	18620871.37	72.7	18620871.37	3090295.43
7:08:00	7:08:00	63.3	78.5	65.5	60.5	10:18 PM	2137962.09	73.3	21379620.90	73.3	21379620.90	3548133.89
7:09:00	7:09:00	66	82.5	69.4	63.4	10:19 PM	3981071.71	76	39810717.06	76.0	39810717.06	8709635.90
7:10:00	7:10:00	65.6	83.7	68.1	63.1	10:20 PM	3630780.55	75.6	36307805.48	75.6	36307805.48	6456542.29
7:11:00	7:11:00	63.5	86.2	64.6	61.8	10:21 PM	2238721.14	73.5	22387211.39	73.5	22387211.39	2884031.50
7:12:00	7:12:00	63.5	78.3	65	62.4	10:22 PM	2238721.14	73.5	22387211.39	73.5	22387211.39	3162277.66
7:13:00	7:13:00	64.7	85.1	69	62.6	10:23 PM	2951209.23	74.7	29512092.27	74.7	29512092.27	7943282.35
7:14:00	7:14:00	63.2	78.2	65.1	62.1	10:24 PM	2089296.13	73.2	2089296.13	73.2	2089296.13	3235936.57
7:15:00	7:15:00	64.2	83.6	68.7	62.2	10:25 PM	2630267.99	74.2	26302679.92	74.2	26302679.92	7413102.41
7:16:00	7:16:00	63.5	81.2	67.1	61.5	10:26 PM	2238721.14	73.5	22387211.39	73.5	22387211.39	5128613.84
7:17:00	7:17:00	62.5	77.5	63.5	61.3	10:27 PM	1778279.14	72.5	17782794.10	72.5	17782794.10	2238721.14
7:18:00	7:18:00	63.1	83.8	64.8	61	10:28 PM	2041737.94	73.1	20417379.45	73.1	20417379.45	3019951.72
7:19:00	7:19:00	63.7	92	65.6	62.4	10:29 PM	2344228.82	73.7	23442288.15	73.7	23442288.15	3630780.55
7:20:00	7:20:00	64.4	85.5	66.9	61.8	10:30 PM	2754228.70	74.4	27542287.03	74.4	27542287.03	4897788.19
7:21:00	7:21:00	64.9	86.8	69.3	61.6	10:31 PM	3090295.43	74.9	30902954.33	74.9	30902954.33	8511380.38
7:22:00	7:22:00	63.4	80	67.2	61.7	10:32 PM	2187761.62	73.4	21877616.24	73.4	21877616.24	5248074.60
7:23:00	7:23:00	65.2	83.3	69.4	62.1	10:33 PM	3311311.21	75.2	33113112.15	75.2	33113112.15	8709635.90
7:24:00	7:24:00	64.3	80.7	67.6	61.8	10:34 PM	2691534.80	74.3	26915348.04	74.3	26915348.04	5754999.37
7:25:00	7:25:00	65.6	87.1	70.5	61.8	10:35 PM	3630780.55	75.6	36307805.48	75.6	36307805.48	1120184.54
7:26:00	7:26:00	64.6	85.2	69	62	10:36 PM	2884031.50	74.6	28840315.03	74.6	28840315.03	7943282.35
7:27:00	7:27:00	63.5	80.7	66.3	61.7	10:37 PM	2238721.14	73.5	22387211.39	73.5	22387211.39	4265795.19
7:28:00	7:28:00	64.8	82.8	68.7	62.2	10:38 PM	3019951.72	74.8	30199517.20	74.8	30199517.20	7413102.41
7:29:00	7:29:00	64.7	83.9	69	63.3	10:39 PM	2951209.23	74.7	29512092.27	74.7	29512092.27	7943282.35
7:30:00	7:30:00	65.7	86.8	71.6	63.1	10:40 PM	3715352.29	75.7	37153522.91	75.7	37153522.91	14454397.71
7:31:00	7:31:00	66.1	89.2	72.5	62.4	10:41 PM	4073802.78	76.1	40738027.78	76.1	40738027.78	17782794.10
7:32:00	7:32:00	65.3	83.4	67.8	62.9	10:42 PM	3388441.56	75.3	33884415.61	75.3	33884415.61	6025595.86
7:33:00	7:33:00	63.3	80.7	66.9	59.9	10:43 PM	2137962.09	73.3	21379620.90	73.3	21379620.90	4897788.19
7:34:00	7:34:00	63.2	80.5	65	61.8	10:44 PM	2089296.13	73.2	2089296.13	73.2	2089296.13	3162277.66
7:35:00	7:35:00	63.8	80.8	67	61.5	10:45 PM	2398832.92	73.8	23988329.19	73.8	23988329.19	5011872.34
7:36:00	7:36:00	64.2	83.1	66.8	61.9	10:46 PM	2630267.99	74.2	26302679.92	74.2	26302679.92	4786300.92
7:37:00	7:37:00	66.1	86.8	70.9	62.1	10:47 PM	4073802.78	76.1	40738027.78	76.1	40738027.78	12302687.71
7:38:00	7:38:00	63.7	82.3	65.5	62.1	10:48 PM	2344228.82	73.7	23442288.15	73.7	23442288.15	3548133.89
7:39:00	7:39:00	62.7	78.6	65.1	61.1	10:49 PM	1862087.14	72.7	18620871.37	72.7	18620871.37	3235936.57
7:40:00	7:40:00	64.1	80.3	67	61.6	10:50 PM	2570395.78	74.1	25703957.83	74.1	25703957.83	5011872.34
7:41:00	7:41:00	64.5	83.1	67.6	62	10:51 PM	2818382.93	74.5	28183829.31	74.5	28183829.31	5754999.37
7:42:00	7:42:00	64.7	85.3	67.5	62	10:52 PM	2951209.23	74.7	29512092.27	74.7	29512092.27	5623413.25
7:43:00	7:43:00	64.4	86.5	69.7	61.7	10:53 PM	2754228.70	74.4	27542287.03	74.4	27542287.03	9332543.01
7:44:00	7:44:00	62.4	80.3	65.2	60.9	10:54 PM	1737800.83	72.4	17378008.29	72.4	17378008.29	3311311.21
7:45:00	7:45:00	66	86.5	72.6	61.2	10:55 PM	3981071.71	76	39810717.06	76.0	39810717.06	18197008.59
7:46:00	7:46:00	66.6	88.6	72.1	62.5	10:56 PM	4570881.96	76.6	45708818.96	76.6	45708818.96	16218100.97
7:47:00	7:47:00	65.4	86.4	69.6	63.2	10:57 PM	3467368.50	75.4	34673685.05	75.4	34673685.05	9120108.39
7:48:00	7:48:00	63.4	89	69	61.4	10:58 PM	2187761.62	73.4	21877616.24	73.4	21877616.24	7943282.35
7:49:00	7:49:00	62.8	78.6	65.8	61.3	10:59 PM	1905460.72	72.8	19054607.18	72.8	19054607.18	3801893.96
7:50:00	7:50:00	63	80	65.5	60.5	11:00 PM	1995262.31	73	19952623.15	73.0	19952623.15	3548133.89
7:51:00	7:51:00	62.4	84	64.1	61.5	11:01 PM	1737800.83	72.4	17378008.29	72.4	17378008.29	2570395.78
7:52:00	7:52:00	63.2	88.8	67.1	61.2	11:02 PM	2089296.13	73.2	2089296.13	73.2	2089296.13	5128613.84
7:53:00	7:53:00	62.9	77.8	65.2	61.8	11:03 PM	1949844.60	72.9	19498446.00	72.9	19498446.00	3311311.21
7:54:00	7:54:00	63.9	85.2	68.3	60.8	11:04 PM	2454708.92	73.9	24547089.16	73.9	24547089.16	6760829.75
7:55:00	7:55:00	64	81.3	67.3	61.9	11:05 PM	2511886.43	74	25118864.32	74.0	25118864.32	5370317.96
7:56:00	7:56:00	63.1	82.9	65.1	61.1	11:06 PM	2041737.94	73.1	20417379.45	73.1	20417379.45	3235936.57
7:57:00	7:57:00	65.4	83.8	69.3	62.7	11:07 PM	3467368.50	75.4	34673685.05	75.4	34673685.05	8511380.38
7:58:00	7:58:00	63.3	82.3	65.1	61.7	11:08 PM	2137962.09	73.3	21379620.90	73.3	21379620.90	3235936.57
7:59:00	7:59:00	64.5	84.8	69.2	62.1	11:09 PM	2818382.93	74.5	28183829.31	74.5	28183829.31	8317637.71
8:00:00	8:00:00	65.9	89.5	71.3	62.2	11:10 PM	3890451.45	75.9	38904514.50	75.9	38904514.50	13489628.83
8:01:00	8:01:00	65.3	93.8	71.8	61.9	11:11 PM	3388441.56	75.3	33884415.61	75.3	33884415.61	15135612.48
8:02:00	8:02:00	63.1	79.5	65.4	61.4	11:12 PM	2041737.94	73.1	20417379.45	73.1	20417379.45	3467368.50
8:03:00	8:03:00	63.6	81.7	66.3	61.8	11:13 PM	2290867.65	73.6	22908676.53	73.6	22908676.53	4265795.19
8:04:00	8:04:00	65.1	91.3	70.5	62.4	11:14 PM	3235936.57	75.1	32359365.69	75.1	32359365.69	1120184.54
8:05:00	8:05:00	62.9	78.6	64.9	61.3	11:15 PM	1949844.60	72.9	19498446.00	72.9	19498446.00	3090295.43
8:06:00	8:06:00	65.3	93.9	74.1	61.7	11:16 PM	3388441.56	75.3	33884415.61	75.3	33884415.61	25703957.83
8:07:00	8:07:00	64.1	81.1	66	62.1	11:17 PM	2570395.78	74.1	25703957.83	74.1	25703957.83	3981071.71
8:08:00	8:08:00	63.3	84.8	65.3	61.1	11:18 PM	2137962.09	73.3	21379620.90	73.3	21379620.90	3388441.56
8:09:00	8:09:00	66.1	89.6	72	62.5	11:19 PM	4073802.78	76.1	40738027.78	76.1	40738027.78	15848931.92
8:10:00	8:10:00	64.4	83.2	69.4	61.8	11:20 PM	2754228.70	74.4	27542287.03	74.4	27542287.03	8709635.90
8:11:00	8:11:00	63.6	85.1	68.9	60.8	11:21 PM	2290867.65	73.6	22908676.53	73.6	22908676.53	7762471.17
8:12:00	8:12:00	62.7	80.5	65.6	60.5	11:22 PM	1862087.14	72.7	18620871.37	72.7	18620871.37	3630780.55
8:13:00	8:13:00	66.7	86.8	71.7	62.9	11:23 PM	4677351.41	76.7	46773514.13	76.7	46773514.13	14791083.88
8:14:00	8:14:00	64.2	81.3	67.7	61	11:24 PM	2630267.99	74.2				

Data

8:41:00	8:41:00	62.4	77.1	64.1	61	11:51 PM	1737800.83	72.4	17378008.29	72.4	17378008.29	2570395.78
8:42:00	8:42:00	62.6	78.1	65	61.1	11:52 PM	1819700.86	72.6	18197008.59	72.6	18197008.59	3162277.66
8:43:00	8:43:00	62.1	81	64.8	60.6	11:53 PM	1621810.10	72.1	16218100.97	72.1	16218100.97	3019951.72
8:44:00	8:44:00	62.8	85.2	67.4	60.9	11:54 PM	1905460.72	72.8	19054607.18	72.8	19054607.18	5495408.74
8:45:00	8:45:00	62.7	78.7	66.8	59.5	11:55 PM	1862087.14	72.7	18620871.37	72.7	18620871.37	4786300.92
8:46:00	8:46:00	62.7	79.2	63.9	61.8	11:56 PM	1862087.14	72.7	18620871.37	72.7	18620871.37	2454708.92
8:47:00	8:47:00	62.6	92.7	70.3	59.5	11:57 PM	1819700.86	72.6	18197008.59	72.6	18197008.59	10715193.05
8:48:00	8:48:00	60.1	75.9	62.1	58.9	11:58 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1621810.10
8:49:00	8:49:00	60.3	75	61.5	59.4	11:59 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1412537.54
8:50:00	8:50:00	62.3	78.6	65.3	60.6	12:00 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	3388441.56
8:51:00	8:51:00	61.6	79.2	63.9	60.8	12:01 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2454708.92
8:52:00	8:52:00	63.2	81.7	69.1	60.1	12:02 AM	2089296.13	73.2	20892961.31	73.2	20892961.31	8128305.16
8:53:00	8:53:00	63.2	83.2	69	59.8	12:03 AM	2089296.13	73.2	20892961.31	73.2	20892961.31	7943282.35
8:54:00	8:54:00	65.2	93.8	71.3	61.5	12:04 AM	3311311.21	75.2	33113112.15	75.2	33113112.15	13489628.83
8:55:00	8:55:00	63.5	83.5	66.8	60.7	12:05 AM	2238721.14	73.5	22387211.39	73.5	22387211.39	4786300.92
8:56:00	8:56:00	62.4	84	68.6	60.5	12:06 AM	1737800.83	72.4	17378008.29	72.4	17378008.29	7244359.60
8:57:00	8:57:00	61.9	77.4	64.1	59.5	12:07 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	2570395.78
8:58:00	8:58:00	63.7	86.6	69.3	60.4	12:08 AM	2344228.82	73.7	23442288.15	73.7	23442288.15	8511380.38
8:59:00	8:59:00	63	87.2	66.9	60.3	12:09 AM	1995262.31	73	19952623.15	73.0	19952623.15	4897788.19
9:00:00	9:00:00	64.2	81	66.6	60.3	12:10 AM	2630267.99	74.2	26302679.92	74.2	26302679.92	4570881.90
9:01:00	9:01:00	64.7	83.4	68.4	61.8	12:11 AM	2951209.23	74.7	29512092.27	74.7	29512092.27	6918309.71
9:02:00	9:02:00	61.9	79.8	63.4	60.3	12:12 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	2187761.62
9:03:00	9:03:00	65	87.2	69.6	61.8	12:13 AM	3162277.66	75	31622776.60	75.0	31622776.60	9120108.39
9:04:00	9:04:00	65.3	86.4	69.4	61.9	12:14 AM	3388441.56	75.3	33884415.61	75.3	33884415.61	8709635.90
9:05:00	9:05:00	61.3	77.1	62.9	59.2	12:15 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1949844.60
9:06:00	9:06:00	61.5	76.8	63.2	59.7	12:16 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	2089296.13
9:07:00	9:07:00	62.7	78.8	66.5	60.7	12:17 AM	1862087.14	72.7	18620871.37	72.7	18620871.37	4466835.92
9:08:00	9:08:00	62.6	81.5	69.3	59.5	12:18 AM	1819700.86	72.6	18197008.59	72.6	18197008.59	8511380.38
9:09:00	9:09:00	62.3	83.2	67.1	59.4	12:19 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	5128613.84
9:10:00	9:10:00	62.5	79.4	65	60.4	12:20 AM	1778279.10	72.5	17782794.10	72.5	17782794.10	3162277.66
9:11:00	9:11:00	61.8	77.4	63.3	60.4	12:21 AM	1513561.25	71.8	15135612.48	71.8	15135612.48	2137962.09
9:12:00	9:12:00	64	81.5	67.4	61.6	12:22 AM	2511886.43	74	25118864.32	74.0	25118864.32	5495408.74
9:13:00	9:13:00	61.2	81.1	64.4	59.6	12:23 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	2754228.70
9:14:00	9:14:00	61.3	81.6	64.7	59.9	12:24 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	2951209.23
9:15:00	9:15:00	62.3	80.1	65.6	59.8	12:25 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	3630780.55
9:16:00	9:16:00	61.6	80.5	63.4	60.4	12:26 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2187761.62
9:17:00	9:17:00	60.7	77.9	62.7	59.4	12:27 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1862087.14
9:18:00	9:18:00	62.1	87.8	66.9	59.2	12:28 AM	1621810.10	72.1	16218100.97	72.1	16218100.97	4897788.19
9:19:00	9:19:00	62.4	77.6	64.4	61.5	12:29 AM	1737800.83	72.4	17378008.29	72.4	17378008.29	2754228.70
9:20:00	9:20:00	60.9	82	63.3	59.2	12:30 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	2137962.09
9:21:00	9:21:00	60.9	77.7	63.1	59.4	12:31 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	2041737.94
9:22:00	9:22:00	61	75.5	62.5	59.5	12:32 AM	1258925.41	71	12589254.12	71.0	12589254.12	1778279.10
9:23:00	9:23:00	60.7	76.2	62.4	59.5	12:33 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1737800.83
9:24:00	9:24:00	61.8	79.8	64.9	60.4	12:34 AM	1513561.25	71.8	15135612.48	71.8	15135612.48	3090295.43
9:25:00	9:25:00	62.1	78.7	65	60.2	12:35 AM	1621810.10	72.1	16218100.97	72.1	16218100.97	3162277.66
9:26:00	9:26:00	61.9	76.8	64	60.6	12:36 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	2511886.43
9:27:00	9:27:00	60.6	83.6	62.9	59.7	12:37 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1949844.60
9:28:00	9:28:00	61.1	80.2	62.3	60	12:38 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	1698243.65
9:29:00	9:29:00	60.5	74.6	62.2	59.5	12:39 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1659586.91
9:30:00	9:30:00	60.1	74.7	61.5	58.6	12:40 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1412537.54
9:31:00	9:31:00	60.5	74.8	62	59.1	12:41 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1584893.19
9:32:00	9:32:00	60.7	75.9	62.6	59.2	12:42 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1819700.86
9:33:00	9:33:00	61	76.3	63	59.6	12:43 AM	1258925.41	71	12589254.12	71.0	12589254.12	1995262.31
9:34:00	9:34:00	63.1	82.2	67.6	60	12:44 AM	2041737.94	73.1	20417379.45	73.1	20417379.45	5754399.37
9:35:00	9:35:00	60.2	74.4	61.2	59.2	12:45 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1318256.74
9:36:00	9:36:00	60.3	78	65.5	59	12:46 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	3548133.89
9:37:00	9:37:00	60.7	77.7	63.2	59.5	12:47 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	2089296.13
9:38:00	9:38:00	60.6	79.3	61.8	59.5	12:48 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1513561.25
9:39:00	9:39:00	60.7	75.4	61.8	59.4	12:49 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1513561.25
9:40:00	9:40:00	61.2	75.8	62.4	60	12:50 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1737800.83
9:41:00	9:41:00	60.5	75.2	61.4	58.8	12:51 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1380384.26
9:42:00	9:42:00	61.6	77.9	64.3	58.9	12:52 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2691534.80
9:43:00	9:43:00	60.1	74.9	61.9	59.1	12:53 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1548816.62
9:44:00	9:44:00	59.7	74.2	61.2	58.8	12:54 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1318256.74
9:45:00	9:45:00	59.4	74	60.6	58.6	12:55 AM	870963.90	69.4	8709635.90	69.4	8709635.90	1148153.62
9:46:00	9:46:00	60.1	75.5	61.2	59.3	12:56 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1318256.74
9:47:00	9:47:00	59.8	74	61	58.8	12:57 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1258925.41
9:48:00	9:48:00	59.6	74.9	61.6	58.7	12:58 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1445439.77
9:49:00	9:49:00	59.8	74.6	61.3	58.9	12:59 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1348962.88
9:50:00	9:50:00	60.1	74.7	61.5	59	1:00 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1412537.54
9:51:00	9:51:00	59.7	74.1	61.1	58.8	1:01 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1288249.55
9:52:00	9:52:00	60.3	76.1	62.4	59.1	1:02 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1737800.83
9:53:00	9:53:00	60.3	75.6	62.3	58.8	1:03 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1698243.65
9:54:00	9:54:00	60.9	75.6	62.5	59.8	1:04 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	1778279.10
9:55:00	9:55:00	61.7	80.3	64.7	59.3	1:05 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	2951209.23
9:56:00	9:56:00	60.9	75.2	62.3	60	1:06 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	1698243.65
9:57:00	9:57:00	61	75.9	63.2	59.1	1:07 AM	1258925.41	71	12589254.12	71.0	12589254.12	2089296.13
9:58:00	9:58:00	60.5	75.7	62.2	59	1:08 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1659586.91
9:59:00	9:59:00	60.5	75.9	62.2	59.4	1:09 AM	1122018.45	70.5	11220184.54	70.5	11220184.	

10:26:00	10:26:00	60.6	75.4	61.9	59.7	1:36 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1548816.62
10:27:00	10:27:00	60.3	74.5	61.5	59.3	1:37 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1412537.54
10:28:00	10:28:00	60.5	75.5	62.1	59.1	1:38 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1621810.10
10:29:00	10:29:00	60.6	77	62.1	58.9	1:39 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1621810.10
10:30:00	10:30:00	60.5	78.9	62.7	59.1	1:40 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1862087.14
10:31:00	10:31:00	61.3	78.9	64.1	60	1:41 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	2570395.78
10:32:00	10:32:00	61.1	76.4	63.2	59.5	1:42 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	2089296.13
10:33:00	10:33:00	60.7	74.9	62.1	59.4	1:43 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1621810.10
10:34:00	10:34:00	60.3	75.6	62.6	58.8	1:44 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1819700.86
10:35:00	10:35:00	60.4	76.9	62.7	58.7	1:45 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1862087.14
10:36:00	10:36:00	61.5	77.2	64.1	59.6	1:46 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	2570395.78
10:37:00	10:37:00	60.8	77.4	62.7	59.3	1:47 AM	1202264.43	70.8	12022644.35	70.8	12022644.35	1862087.14
10:38:00	10:38:00	60.2	74.5	61.5	59.3	1:48 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1412537.54
10:39:00	10:39:00	60.4	77.1	62.6	59	1:49 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1819700.86
10:40:00	10:40:00	60.2	74.8	61.5	59.1	1:50 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1412537.54
10:41:00	10:41:00	59.9	74.8	61.1	58.7	1:51 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1288249.55
10:42:00	10:42:00	61.7	76.5	64	60.4	1:52 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	2511886.43
10:43:00	10:43:00	60.7	75.8	62.5	59.8	1:53 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1778279.41
10:44:00	10:44:00	60.6	74.7	61.5	59.6	1:54 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1412537.54
10:45:00	10:45:00	60.3	75.1	61.3	58.8	1:55 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1348962.88
10:46:00	10:46:00	60.9	77.4	62.8	59.7	1:56 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	1905460.72
10:47:00	10:47:00	60.3	74.5	62.4	59	1:57 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1737800.83
10:48:00	10:48:00	60.6	75.9	62	58.9	1:58 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1584893.19
10:49:00	10:49:00	61.4	77.4	63.7	59	1:59 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	2344228.82
10:50:00	10:50:00	60.5	74.5	62.2	58.7	2:00 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1659586.91
10:51:00	10:51:00	60.6	76.7	63.9	58.7	2:01 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	2454708.92
10:52:00	10:52:00	60.2	77.7	63.9	59	2:02 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	2454708.92
10:53:00	10:53:00	59.9	73.9	61.4	58.9	2:03 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1380384.26
10:54:00	10:54:00	59.6	73.8	60.7	58.7	2:04 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1174897.55
10:55:00	10:55:00	59.7	78.3	60.7	58.8	2:05 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1174897.55
10:56:00	10:56:00	60.2	76.6	61.2	59	2:06 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1318256.74
10:57:00	10:57:00	60.3	74	61.2	59.2	2:07 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1318256.74
10:58:00	10:58:00	60.4	76.2	62	59.1	2:08 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1584893.19
10:59:00	10:59:00	60.3	74.5	61.8	59.3	2:09 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1513561.25
11:00:00	11:00:00	59.8	75.4	61.5	58.7	2:10 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1412537.54
11:01:00	11:01:00	60.7	81	66.1	58.8	2:11 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	4073802.78
11:02:00	11:02:00	60.2	75.6	64.3	58.5	2:12 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	2691534.80
11:03:00	11:03:00	59.9	74.3	61.5	58.8	2:13 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1412537.54
11:04:00	11:04:00	59.5	73.8	60.6	58.6	2:14 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1148153.62
11:05:00	11:05:00	59.8	75.1	60.6	58.9	2:15 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1148153.62
11:06:00	11:06:00	60.4	78.1	62.4	58.9	2:16 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1737800.83
11:07:00	11:07:00	60.6	74.9	61.8	59.5	2:17 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1513561.25
11:08:00	11:08:00	61.6	77.7	63.9	59.9	2:18 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2454708.92
11:09:00	11:09:00	61.5	76.7	64.2	59.4	2:19 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	2630267.99
11:10:00	11:10:00	61	80.4	64.1	59.1	2:20 AM	1258925.41	71	12589254.12	71.0	12589254.12	2570395.78
11:11:00	11:11:00	61.1	77.6	64.6	58.4	2:21 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	2884031.50
11:12:00	11:12:00	60.1	75.6	61.4	58.8	2:22 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1380384.26
11:13:00	11:13:00	60.6	76.1	63	58.8	2:23 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1995262.31
11:14:00	11:14:00	61.2	75.9	62.7	60	2:24 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1862087.14
11:15:00	11:15:00	61	77	62.8	59.9	2:25 AM	1258925.41	71	12589254.12	71.0	12589254.12	1905460.72
11:16:00	11:16:00	61.1	82.8	63.2	60	2:26 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	2089296.13
11:17:00	11:17:00	60.8	76.1	62.2	59.5	2:27 AM	1202264.43	70.8	12022644.35	70.8	12022644.35	1659586.91
11:18:00	11:18:00	59.8	74.8	61.8	58.9	2:28 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1513561.25
11:19:00	11:19:00	60.7	81.2	65.2	59.4	2:29 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	3311311.21
11:20:00	11:20:00	60.5	77.8	62.6	59.3	2:30 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1819700.86
11:21:00	11:21:00	60.9	75.5	62.4	59.5	2:31 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	1737800.83
11:22:00	11:22:00	60.5	75.9	62.5	59	2:32 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1778279.41
11:23:00	11:23:00	63.1	80.4	66.1	61	2:33 AM	2041737.94	73.1	20417379.45	73.1	20417379.45	4073802.78
11:24:00	11:24:00	64.9	83	68.3	61.9	2:34 AM	3090295.43	74.9	30902954.33	74.9	30902954.33	6760829.75
11:25:00	11:25:00	66	85.6	70	62.2	2:35 AM	3981071.71	76	39810717.06	76.0	39810717.06	10000000.00
11:26:00	11:26:00	68.2	85.4	71.5	62.3	2:36 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	14125375.45
11:27:00	11:27:00	68.4	86.3	71.9	64.2	2:37 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	15488166.19
11:28:00	11:28:00	66	84.1	71.3	63.2	2:38 AM	3981071.71	76	39810717.06	76.0	39810717.06	13489628.83
11:29:00	11:29:00	65.4	83.6	68.3	62.9	2:39 AM	3467368.50	75.4	34673685.05	75.4	34673685.05	6760829.75
11:30:00	11:30:00	67	86.8	72.4	61.8	2:40 AM	5011872.34	77	50118723.36	77.0	50118723.36	17378008.29
11:31:00	11:31:00	61.5	80.9	63	60	2:41 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1995262.31
11:32:00	11:32:00	61.9	78.6	63.5	60.4	2:42 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	2238721.14
11:33:00	11:33:00	60.6	75.8	61.5	59.7	2:43 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1412537.54
11:34:00	11:34:00	61.2	78.2	63.2	59.8	2:44 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	2089296.13
11:35:00	11:35:00	62.5	81.3	66	60.5	2:45 AM	1778279.41	72.5	17782794.10	72.5	17782794.10	3981071.71
11:36:00	11:36:00	63	84.3	70.2	59.7	2:46 AM	1995262.31	73	19952623.15	73.0	19952623.15	10471285.48
11:37:00	11:37:00	62.5	85.5	65.8	60	2:47 AM	1778279.41	72.5	17782794.10	72.5	17782794.10	3801893.96
11:38:00	11:38:00	60.7	80.1	63	59.3	2:48 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1995262.31
11:39:00	11:39:00	60.3	74.9	61.6	58.8	2:49 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1445439.77
11:40:00	11:40:00	60.5	74.9	61.8	58.8	2:50 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1513561.25
11:41:00	11:41:00	60.3	77.6	62.5	59.1	2:51 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1778279.41
11:42:00	11:42:00	61.4	79.5	63	59.7	2:52 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	1995262.31
11:43:00	11:43:00	60.5	78.5	62	59.1	2:53 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1584893.19
11:44:00	11:44:00	60.6	79.1	61.8	59.4	2:54 AM	114815					

Data

12:11:00	12:11:00	59.3	75.4	60.4	58.5	3:21 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1096478.20
12:12:00	12:12:00	60.4	83.2	64.5	58.8	3:22 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	2818382.93
12:13:00	12:13:00	60.1	78.6	62.5	58.8	3:23 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1778279.41
12:14:00	12:14:00	59.6	76.5	61.3	58.2	3:24 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
12:15:00	12:15:00	59.3	74	60.2	58.5	3:25 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1047128.55
12:16:00	12:16:00	60.1	78.8	65.2	58.4	3:26 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	3311311.21
12:17:00	12:17:00	59.2	74	60.1	58.4	3:27 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1023292.99
12:18:00	12:18:00	60	77.5	61.9	58.5	3:28 AM	1000000.00	70	10000000.00	70.0	10000000.00	1548816.62
12:19:00	12:19:00	59.1	73.3	60	58.1	3:29 AM	812830.52	69.1	8128305.16	69.1	8128305.16	1000000.00
12:20:00	12:20:00	59.7	74.1	61.1	58.8	3:30 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1288249.55
12:21:00	12:21:00	59.8	74.2	61	58.7	3:31 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1258925.41
12:22:00	12:22:00	59.4	74.4	60.5	58.7	3:32 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1122018.45
12:23:00	12:23:00	60.3	78.6	63.9	59	3:33 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	2454708.92
12:24:00	12:24:00	59.6	74.6	61.2	58.5	3:34 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1318256.74
12:25:00	12:25:00	59.3	72.9	60	58.7	3:35 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1000000.00
12:26:00	12:26:00	59.5	73.7	60.3	58.8	3:36 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1071519.31
12:27:00	12:27:00	59.6	73.3	60.1	58.8	3:37 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1023292.99
12:28:00	12:28:00	59.4	73.5	60.3	58.7	3:38 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1071519.31
12:29:00	12:29:00	59.6	74.1	60.9	58.5	3:39 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1230268.77
12:30:00	12:30:00	60.5	77.5	62.6	59	3:40 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1819700.86
12:31:00	12:31:00	60.5	75.5	61.8	59.1	3:41 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1513561.25
12:32:00	12:32:00	59.6	74.1	61.2	58.4	3:42 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1318256.74
12:33:00	12:33:00	60.2	75.2	61.9	58.4	3:43 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1548816.62
12:34:00	12:34:00	59.4	73.6	60.1	58.6	3:44 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1203292.99
12:35:00	12:35:00	60.5	74.4	61.6	59.2	3:45 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1445439.77
12:36:00	12:36:00	60.2	74.5	61.6	58.9	3:46 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1445439.77
12:37:00	12:37:00	60.5	79.8	65	58.6	3:47 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	3162277.66
12:38:00	12:38:00	59.6	74	61	58.6	3:48 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1258925.41
12:39:00	12:39:00	60	74.8	61.4	58.8	3:49 AM	1000000.00	70	10000000.00	70.0	10000000.00	1380384.26
12:40:00	12:40:00	60.2	86.9	61.7	59.1	3:50 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1479108.39
12:41:00	12:41:00	61	76.2	63.7	58.9	3:51 AM	1258925.41	71	12589254.12	71.0	12589254.12	2344228.82
12:42:00	12:42:00	60.1	79.9	61.9	58.6	3:52 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1548816.62
12:43:00	12:43:00	60	81.9	61.6	58.8	3:53 AM	1000000.00	70	10000000.00	70.0	10000000.00	1445439.77
12:44:00	12:44:00	60.2	75.1	61.7	58.9	3:54 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1479108.39
12:45:00	12:45:00	60.1	77.6	61.4	59	3:55 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1380384.26
12:46:00	12:46:00	59.7	74.6	60.7	59.1	3:56 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1174897.55
12:47:00	12:47:00	59.5	73.7	60.8	58.3	3:57 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1202264.43
12:48:00	12:48:00	59.4	74.7	60.3	58.5	3:58 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1071519.31
12:49:00	12:49:00	59.7	73.6	60.8	58.9	3:59 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1202264.43
12:50:00	12:50:00	60.5	75	61.8	59.4	4:00 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1513561.25
12:51:00	12:51:00	60	76.4	61.5	58.9	4:01 AM	1000000.00	70	10000000.00	70.0	10000000.00	1412537.54
12:52:00	12:52:00	59	73.8	59.8	58.3	4:02 AM	794328.23	69	7943282.35	69.0	7943282.35	954992.59
12:53:00	12:53:00	59.9	74.4	60.8	59	4:03 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1202264.43
12:54:00	12:54:00	60.5	78.1	63.4	59.4	4:04 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	2187761.62
12:55:00	12:55:00	59.7	74.3	60.9	58.5	4:05 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1230268.77
12:56:00	12:56:00	60.3	74.9	62.1	58.9	4:06 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1621810.10
12:57:00	12:57:00	60.7	75.8	61.5	59.7	4:07 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1412537.54
12:58:00	12:58:00	61.7	77.9	62.8	60.5	4:08 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	1905460.72
12:59:00	12:59:00	60.7	75.6	62.4	59.5	4:09 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1737800.83
13:00:00	13:00:00	60.3	74.7	61	59.6	4:10 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1258925.41
13:01:00	13:01:00	60.7	75	61.8	59.5	4:11 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1513561.25
13:02:00	13:02:00	60.8	76.4	62.6	59.1	4:12 AM	1202264.43	70.8	12022644.35	70.8	12022644.35	1819700.86
13:03:00	13:03:00	61.6	77.2	63.3	60	4:13 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2137962.09
13:04:00	13:04:00	61.4	75.8	63	59.1	4:14 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	1995262.31
13:05:00	13:05:00	61.2	75.9	62.8	59	4:15 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1905460.72
13:06:00	13:06:00	61.3	75.2	62.4	60.3	4:16 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1737800.83
13:07:00	13:07:00	61.3	76.9	62.6	60.1	4:17 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1819700.86
13:08:00	13:08:00	61.3	77.1	62.6	59.5	4:18 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1819700.86
13:09:00	13:09:00	61.5	75.6	62.4	60.1	4:19 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1737800.83
13:10:00	13:10:00	62.7	78.3	64.4	61.1	4:20 AM	1862087.14	72.7	18620871.37	72.7	18620871.37	2754228.70
13:11:00	13:11:00	61.9	76.5	63.3	60.2	4:21 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	2137962.09
13:12:00	13:12:00	61.6	76.2	63.3	60.2	4:22 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2137962.09
13:13:00	13:13:00	62.1	76.9	63.3	60.3	4:23 AM	1621810.10	72.1	16218100.97	72.1	16218100.97	2137962.09
13:14:00	13:14:00	62.9	78.6	65.2	61.3	4:24 AM	1949844.60	72.9	19498446.00	72.9	19498446.00	3311311.21
13:15:00	13:15:00	62.8	77.1	64.6	60.9	4:25 AM	1905460.72	72.8	19054607.18	72.8	19054607.18	2884031.50
13:16:00	13:16:00	63.4	77.9	65.3	61.7	4:26 AM	2187761.62	73.4	21877616.24	73.4	21877616.24	3388441.56
13:17:00	13:17:00	62.6	81.2	64.7	61.1	4:27 AM	1819700.86	72.6	18197008.59	72.6	18197008.59	2951209.23
13:18:00	13:18:00	62.8	79	65.9	61	4:28 AM	1905460.72	72.8	19054607.18	72.8	19054607.18	3890451.45
13:19:00	13:19:00	63	78.4	64.9	61.7	4:29 AM	1995262.31	73	19952623.15	73.0	19952623.15	3090295.43
13:20:00	13:20:00	64.2	79.7	65.6	62.3	4:30 AM	2630267.99	74.2	26302679.92	74.2	26302679.92	3630780.55
13:21:00	13:21:00	63.5	80.4	65.1	62.1	4:31 AM	2238721.14	73.5	22387211.39	73.5	22387211.39	3235936.57
13:22:00	13:22:00	62.7	76.7	64.2	61.4	4:32 AM	1862087.14	72.7	18620871.37	72.7	18620871.37	2630267.99
13:23:00	13:23:00	64.1	81.3	67.3	62.2	4:33 AM	2570395.78	74.1	25703957.83	74.1	25703957.83	5370317.96
13:24:00	13:24:00	65.1	85	68.1	63.1	4:34 AM	3235936.57	75.1	32359365.69	75.1	32359365.69	6456542.29
13:25:00	13:25:00	63.4	79.3	65.2	61.7	4:35 AM	2187761.62	73.4	21877616.24	73.4	21877616.24	3311311.21
13:26:00	13:26:00	63.1	78.4	64.9	61.6	4:36 AM	2041737.94	73.1	20417379.45	73.1	20417379.45	3090295.43
13:27:00	13:27:00	62.8	77.6	64.4	60.8	4:37 AM	1905460.72	72.8	19054607.18	72.8	19054607.18	2754228.70
13:28:00	13:28:00	63.3	79.4	64.8	61.9	4:38 AM	2137962.09	73.3	21379620.90	73.3	21379620.90	3019951.72
13:29:00	13:29:00	63	79.4	64.8	61.6	4:39 AM	1995262.31	73	1995			

13:56:00	13:56:00	61.8	76.4	63.4	61.2	5:06 AM	1513561.25	71.8	15135612.48	71.8	15135612.48	2187761.62
13:57:00	13:57:00	61.7	75.8	62.8	61	5:07 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	1905460.72
13:58:00	13:58:00	62	76.6	63.7	60.6	5:08 AM	1584893.19	72	15848931.92	72.0	15848931.92	2344228.82
13:59:00	13:59:00	61.3	82.5	62.9	60.1	5:09 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1949844.60
14:00:00	14:00:00	61.7	77	63.5	60.6	5:10 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	2238721.14
14:01:00	14:01:00	61.9	76.1	63.3	60.9	5:11 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	2137962.09
14:02:00	14:02:00	62.2	75.9	63	61.5	5:12 AM	1659586.91	72.2	16595869.07	72.2	16595869.07	1995262.31
14:03:00	14:03:00	61.1	75.3	62.4	60.2	5:13 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	1737800.83
14:04:00	14:04:00	62.2	80.1	64.5	60.9	5:14 AM	1659586.91	72.2	16595869.07	72.2	16595869.07	2818382.93
14:05:00	14:05:00	62.8	78	64	61.6	5:15 AM	1905460.72	72.8	19054607.18	72.8	19054607.18	2511886.43
14:06:00	14:06:00	62.9	78.5	64.8	61.8	5:16 AM	1949844.60	72.9	19498446.00	72.9	19498446.00	3019951.72
14:07:00	14:07:00	62.6	77.8	65	61.4	5:17 AM	1819700.86	72.6	18197008.59	72.6	18197008.59	3162277.66
14:08:00	14:08:00	62.3	77.8	63.6	61.1	5:18 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	2290867.65
14:09:00	14:09:00	63	78.2	64.8	61.8	5:19 AM	1995262.31	73	19952623.15	73.0	19952623.15	3019951.72
14:10:00	14:10:00	66.6	93.4	74.6	62.6	5:20 AM	4570881.90	76.6	45708818.96	76.6	45708818.96	28840315.03
14:11:00	14:11:00	64.2	84.6	68	62	5:21 AM	2630267.99	74.2	26302679.92	74.2	26302679.92	6309573.44
14:12:00	14:12:00	63.4	83.9	67.9	61.5	5:22 AM	2187761.62	73.4	21877616.24	73.4	21877616.24	6165950.02
14:13:00	14:13:00	61.9	76.1	62.7	60.5	5:23 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	1862087.14
14:14:00	14:14:00	62.4	77.9	63.8	61.1	5:24 AM	1737800.83	72.4	17378008.29	72.4	17378008.29	2398832.92
14:15:00	14:15:00	61.8	80.7	64.3	60.7	5:25 AM	1513561.25	71.8	15135612.48	71.8	15135612.48	2691534.80
14:16:00	14:16:00	61.9	75.8	62.7	61	5:26 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	1862087.14
14:17:00	14:17:00	61.5	75.8	63	60.8	5:27 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1995262.31
14:18:00	14:18:00	61.5	75.6	62.4	60.8	5:28 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1737800.83
14:19:00	14:19:00	61.6	78.5	64.6	60.2	5:29 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2884031.50
14:20:00	14:20:00	61.3	75.6	62.1	60.2	5:30 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1621810.10
14:21:00	14:21:00	62.2	83.3	67.9	60.1	5:31 AM	1659586.91	72.2	16595869.07	72.2	16595869.07	6165950.02
14:22:00	14:22:00	61.4	76.2	63	60.3	5:32 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	1995262.31
14:23:00	14:23:00	61.5	75.4	62.2	60.5	5:33 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1659586.91
14:24:00	14:24:00	61.1	75.7	61.9	60.2	5:34 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	1548816.62
14:25:00	14:25:00	61.6	80.7	65.8	60.3	5:35 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	3801893.96
14:26:00	14:26:00	61.9	78.3	64.5	60.4	5:36 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	2818382.93
14:27:00	14:27:00	62.9	78	64.3	61.5	5:37 AM	1949844.60	72.9	19498446.00	72.9	19498446.00	2691534.80
14:28:00	14:28:00	61.7	78.1	64.6	60.9	5:38 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	2884031.50
14:29:00	14:29:00	62.5	84.7	69.6	60	5:39 AM	1778279.41	72.5	17782794.10	72.5	17782794.10	9120108.39
14:30:00	14:30:00	61.3	76.5	62.6	60.6	5:40 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1819700.86
14:31:00	14:31:00	62.1	77.5	64	60.6	5:41 AM	1621810.10	72.1	16218100.97	72.1	16218100.97	2511886.43
14:32:00	14:32:00	61.6	75.5	62.7	60.7	5:42 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	1862087.14
14:33:00	14:33:00	61.9	76.3	62.8	60.8	5:43 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	1905460.72
14:34:00	14:34:00	61.6	79.5	62.5	60.6	5:44 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	1778279.41
14:35:00	14:35:00	62.2	78.3	65.5	61.3	5:45 AM	1659586.91	72.2	16595869.07	72.2	16595869.07	3548133.89
14:36:00	14:36:00	61.7	75.9	62.2	60.8	5:46 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	1659586.91
14:37:00	14:37:00	62.1	76.5	63.4	61.1	5:47 AM	1621810.10	72.1	16218100.97	72.1	16218100.97	2187761.62
14:38:00	14:38:00	62.7	80.1	63.5	62.1	5:48 AM	1862087.14	72.7	18620871.37	72.7	18620871.37	2238721.14
14:39:00	14:39:00	63.1	80.3	66.1	61.3	5:49 AM	20417379.45	73.1	20417379.45	73.1	20417379.45	4073802.78
14:40:00	14:40:00	62.3	76.6	63.2	61.6	5:50 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	2089296.13
14:41:00	14:41:00	62.3	77.4	63.6	60.9	5:51 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	2290867.65
14:42:00	14:42:00	62.2	77.8	63.4	61.1	5:52 AM	1659586.91	72.2	16595869.07	72.2	16595869.07	2187761.62
14:43:00	14:43:00	62.3	80	63.1	61.6	5:53 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	2041737.94
14:44:00	14:44:00	62.9	81.7	66.9	61.4	5:54 AM	1949844.60	72.9	19498446.00	72.9	19498446.00	4897788.19
14:45:00	14:45:00	62.2	76.6	63.9	61.2	5:55 AM	1659586.91	72.2	16595869.07	72.2	16595869.07	2454708.92
14:46:00	14:46:00	65.8	88.7	72.8	61.4	5:56 AM	3801893.96	75.8	38018939.63	75.8	38018939.63	1905460.72
14:47:00	14:47:00	72.3	102.9	85.1	61.7	5:57 AM	16982436.52	82.3	169824365.25	82.3	169824365.25	323593656.93
14:48:00	14:48:00	62.5	82.8	64.4	61.2	5:58 AM	1778279.41	72.5	17782794.10	72.5	17782794.10	2754228.70
14:49:00	14:49:00	62.7	82	64.2	61	5:59 AM	1862087.14	72.7	18620871.37	72.7	18620871.37	2630267.99
14:50:00	14:50:00	62.1	76.3	63.3	60.8	6:00 AM	1621810.10	72.1	16218100.97	72.1	16218100.97	2137962.09
14:51:00	14:51:00	62.3	80.3	64.5	60.9	6:01 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	2818382.93
14:52:00	14:52:00	62.5	81.3	64.1	61.5	6:02 AM	1778279.41	72.5	17782794.10	72.5	17782794.10	2570395.78
14:53:00	14:53:00	62	83.5	65.8	60.9	6:03 AM	1584893.19	72	15848931.92	72.0	15848931.92	3801893.96
14:54:00	14:54:00	62.6	81.4	64.5	61.1	6:04 AM	1819700.86	72.6	18197008.59	72.6	18197008.59	2818382.93
14:55:00	14:55:00	61.7	76.2	63.2	60.6	6:05 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	2089296.13
14:56:00	14:56:00	61.9	83.3	64.7	61.1	6:06 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	2951209.23
14:57:00	14:57:00	61.4	75.4	62.6	60.4	6:07 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	1819700.86
14:58:00	14:58:00	61.6	80.5	65.7	60.4	6:08 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	3715352.29
14:59:00	14:59:00	61.1	80.5	63.1	60.2	6:09 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	2041737.94
15:00:00	15:00:00	62.3	81.4	67.6	60.3	6:10 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	5754399.37
15:01:00	15:01:00	61.2	79.2	62.4	60.4	6:11 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1737800.83
15:02:00	15:02:00	61	74.9	62	60.5	6:12 AM	1258925.41	71	12589254.12	71.0	12589254.12	1584893.19
15:03:00	15:03:00	61	75.2	61.7	60.5	6:13 AM	1258925.41	71	12589254.12	71.0	12589254.12	1479108.39
15:04:00	15:04:00	61.4	78.1	63.7	60.5	6:14 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	2344228.82
15:05:00	15:05:00	61	75.9	62.5	60	6:15 AM	1258925.41	71	12589254.12	71.0	12589254.12	1778279.41
15:06:00	15:06:00	62	77	63.7	60.5	6:16 AM	1584893.19	72	15848931.92	72.0	15848931.92	2344228.82
15:07:00	15:07:00	60.8	74.7	61.7	59.9	6:17 AM	1202264.43	70.8	12022644.35	70.8	12022644.35	1479108.39
15:08:00	15:08:00	61.1	79.7	64	60.3	6:18 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	2511886.43
15:09:00	15:09:00	61.5	75.8	62.9	60.4	6:19 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1949844.60
15:10:00	15:10:00	61.7	79.1	65.8	60.7	6:20 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	3801893.96
15:11:00	15:11:00	60.9	76.6	62	60.2	6:21 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	1584893.19
15:12:00	15:12:00	62	82.3	67.9	60.5	6:22 AM	1584893.19	72	15848931.92	72.0	15848931.92	6165950.02
15:13:00	15:13:00	61.4	76.7	62.9	60.5	6:23 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	1949844.60
15:14:00	15:14:00	61.6	76.4	63.								

Data

15:41:00	15:41:00	61.9	78.6	64.1	61.1	6:51 AM	15488166.62	71.9	15488166.19	71.9	15488166.19	2570395.78
15:42:00	15:42:00	62.4	83.7	63.8	61.2	6:52 AM	1737800.83	72.4	17378008.29	72.4	17378008.29	2398832.92
15:43:00	15:43:00	61.5	76	62.9	60.7	6:53 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1949844.60
15:44:00	15:44:00	65.4	93.5	78.7	61.1	6:54 AM	3467368.50	75.4	34673685.05	75.4	34673685.05	74131024.13
15:45:00	15:45:00	65.1	86.3	73.2	61.1	6:55 AM	3235936.57	75.1	32359365.69	75.1	32359365.69	20892961.31
15:46:00	15:46:00	61.6	79.6	64.4	60.7	6:56 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2754228.70
15:47:00	15:47:00	61.4	75.4	62	60.8	6:57 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	1584893.19
15:48:00	15:48:00	61.4	86.6	62.8	60.7	6:58 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	1905460.72
15:49:00	15:49:00	61.2	76.3	61.7	60.8	6:59 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1479108.39
15:50:00	15:50:00	61.5	85	62.9	60.9	7:00 AM	1412537.54	61.5	1412537.54	61.5	1412537.54	1949844.60
15:51:00	15:51:00	62.9	81.5	67.3	60.9	7:01 AM	1949844.60	62.9	1949844.60	62.9	1949844.60	5370317.96
15:52:00	15:52:00	61.7	76.5	63.7	60.7	7:02 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	2344228.82
15:53:00	15:53:00	61.3	76.2	62.6	60.7	7:03 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	1819700.86
15:54:00	15:54:00	61.2	81.3	62.6	60.5	7:04 AM	1318256.74	61.2	1318256.74	61.2	1318256.74	1819700.86
15:55:00	15:55:00	61	75.3	62.3	60.4	7:05 AM	1258925.41	61	1258925.41	61.0	1258925.41	1698243.65
15:56:00	15:56:00	61.3	77.1	64.3	60.3	7:06 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	2691534.80
15:57:00	15:57:00	61	78.7	63.5	60.3	7:07 AM	1258925.41	61	1258925.41	61.0	1258925.41	2238721.14
15:58:00	15:58:00	61.1	79.8	64.1	60.1	7:08 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	2570395.78
15:59:00	15:59:00	63.4	83.1	70.6	60.4	7:09 AM	2187761.62	63.4	2187761.62	63.4	2187761.62	11481536.21
16:00:00	16:00:00	62.8	79.2	66.6	60.1	7:10 AM	1905460.72	62.8	1905460.72	62.8	1905460.72	4570881.90
16:01:00	16:01:00	60.6	75.1	62.9	59.9	7:11 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	1949844.60
16:02:00	16:02:00	62.7	83.7	68.3	60.1	7:12 AM	1862087.14	62.7	1862087.14	62.7	1862087.14	6760829.75
16:03:00	16:03:00	63.9	98.5	74.7	60.7	7:13 AM	2454708.92	63.9	2454708.92	63.9	2454708.92	29512092.27
16:04:00	16:04:00	62.7	88.7	69	60.4	7:14 AM	1862087.14	62.7	1862087.14	62.7	1862087.14	7943282.35
16:05:00	16:05:00	69.8	95.8	77.1	61.1	7:15 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	51286138.40
16:06:00	16:06:00	70.1	97.6	78.8	68.2	7:16 AM	10232929.92	70.1	10232929.92	70.1	10232929.92	75857757.50
16:07:00	16:07:00	68.9	83.4	69.7	68.6	7:17 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	9332543.01
16:08:00	16:08:00	70.2	90.3	74.3	68.6	7:18 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	26915348.04
16:09:00	16:09:00	74	102	84.2	69	7:19 AM	25118864.32	74	25118864.32	74.0	25118864.32	632026799.19
16:10:00	16:10:00	70.7	87.3	73.4	69.1	7:20 AM	11748975.55	70.7	11748975.55	70.7	11748975.55	21877616.24
16:11:00	16:11:00	70.8	88.5	74.8	67.4	7:21 AM	12022644.35	70.8	12022644.35	70.8	12022644.35	30199517.20
16:12:00	16:12:00	71.1	88	74.8	68.5	7:22 AM	12882495.52	71.1	12882495.52	71.1	12882495.52	30199517.20
16:13:00	16:13:00	68.9	86.8	72.1	67.5	7:23 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	16218100.97
16:14:00	16:14:00	69.1	86.1	71.4	67	7:24 AM	8128305.16	69.1	8128305.16	69.1	8128305.16	13803842.65
16:15:00	16:15:00	69.1	85.4	71.5	67.1	7:25 AM	8128305.16	69.1	8128305.16	69.1	8128305.16	14125375.45
16:16:00	16:16:00	69.2	86.7	71.4	67.3	7:26 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	13803842.65
16:17:00	16:17:00	70.3	86.5	72.8	68.3	7:27 AM	10715193.05	70.3	10715193.05	70.3	10715193.05	19054607.18
16:18:00	16:18:00	68.2	85.6	69.6	67.2	7:28 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	9120108.39
16:19:00	16:19:00	70.3	89	75.4	67.9	7:29 AM	10715193.05	70.3	10715193.05	70.3	10715193.05	34673685.05
16:20:00	16:20:00	68.9	94.4	76.1	62.8	7:30 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	40738027.78
16:21:00	16:21:00	59.7	74.4	62.8	59.2	7:31 AM	933254.30	59.7	933254.30	59.7	933254.30	1905460.72
16:22:00	16:22:00	65.4	87.3	71.6	59.2	7:32 AM	3467368.50	65.4	3467368.50	65.4	3467368.50	14454397.71
16:23:00	16:23:00	71.2	89.9	74.3	69.1	7:33 AM	13182567.39	71.2	13182567.39	71.2	13182567.39	26915348.04
16:24:00	16:24:00	68.7	85.3	71.1	67.8	7:34 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	12882495.52
16:25:00	16:25:00	68.9	90.7	74.5	67.5	7:35 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	28183829.31
16:26:00	16:26:00	63.7	81.8	68.6	60.2	7:36 AM	2344228.82	63.7	2344228.82	63.7	2344228.82	7244359.60
16:27:00	16:27:00	63.1	81.8	68	59.1	7:37 AM	2041737.94	63.1	2041737.94	63.1	2041737.94	6309573.44
16:28:00	16:28:00	67.6	85.5	71.1	66.8	7:38 AM	5754399.37	67.6	5754399.37	67.6	5754399.37	12882495.52
16:29:00	16:29:00	68.3	83	69.1	67.5	7:39 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	8128305.16
16:30:00	16:30:00	68.2	84.3	69.9	67.3	7:40 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	9772372.21
16:31:00	16:31:00	69.2	92.9	73.6	60	7:41 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	22908676.53
16:32:00	16:32:00	67.2	100.3	77.1	60.2	7:42 AM	5248074.60	67.2	5248074.60	67.2	5248074.60	51286138.40
16:33:00	16:33:00	66.2	98.8	75.6	61.4	7:43 AM	4168693.83	66.2	4168693.83	66.2	4168693.83	36307805.48
16:34:00	16:34:00	67	109	79.9	60.7	7:44 AM	5011872.34	67	5011872.34	67.0	5011872.34	97723722.10
16:35:00	16:35:00	62.6	86.1	65.9	60	7:45 AM	1819700.86	62.6	1819700.86	62.6	1819700.86	3890451.45
16:36:00	16:36:00	65.4	93.4	76.4	60.3	7:46 AM	3467368.50	65.4	3467368.50	65.4	3467368.50	43651583.22
16:37:00	16:37:00	66.3	90	71.7	60.2	7:47 AM	4265795.19	66.3	4265795.19	66.3	4265795.19	14791083.88
16:38:00	16:38:00	68.4	89.1	70.9	67.7	7:48 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	12302687.71
16:39:00	16:39:00	69.9	95.8	73.9	68	7:49 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	24547089.16
16:40:00	16:40:00	68.2	85.1	70.4	67.3	7:50 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	10964781.96
16:41:00	16:41:00	68.7	83.6	70.8	67.8	7:51 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	12022644.35
16:42:00	16:42:00	68	87.6	68.9	67.4	7:52 AM	6309573.44	68	6309573.44	68.0	6309573.44	7762471.17
16:43:00	16:43:00	68.3	86.2	70	67.9	7:53 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	10000000.00
16:44:00	16:44:00	69.8	93.6	74.6	67.9	7:54 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	28840315.03
16:45:00	16:45:00	68.6	84.2	70.8	67.7	7:55 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	12022644.35
16:46:00	16:46:00	87.2	101	88.6	69.2	7:56 AM	524807460.25	87.2	524807460.25	87.2	524807460.25	724435960.25
16:47:00	16:47:00	70.8	86.3	84.3	67.2	7:57 AM	12022644.35	70.8	12022644.35	70.8	12022644.35	269153480.39
16:48:00	16:48:00	68.9	103.4	77.3	68	7:58 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	53703179.64
16:49:00	16:49:00	68.3	82.9	69.6	67.7	7:59 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	9120108.39
16:50:00	16:50:00	68.7	82.8	69.6	67.9	8:00 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	9120108.39
16:51:00	16:51:00	81.2	101	88.9	67.9	8:01 AM	131825673.86	81.2	131825673.86	81.2	131825673.86	776247116.63
16:52:00	16:52:00	68.7	89.7	70.4	68	8:02 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	10964781.96
16:53:00	16:53:00	68.5	90.9	71.2	67.7	8:03 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	13182567.39
16:54:00	16:54:00	68	82.5	69.3	64	8:04 AM	6309573.44	68	6309573.44	68.0	6309573.44	8511380.38
16:55:00	16:55:00	66.9	87.9	73	62	8:05 AM	4897788.19	66.9	4897788.19	66.9	4897788.19	19952623.15
16:56:00	16:56:00	64.7	83.8	67	63.7	8:06 AM	2951209.23	64.7	2951209.23	64.7	2951209.23	5011872.34
16:57:00	16:57:00	63.9	84.4	66.4	63	8:07 AM	2454708.92	63.9	2454708.92	63.9	2454708.92	4365158.32
16:58:00	16:58:00	65.7	83.5	70.7	62.9	8:08 AM	3715352.29	65.7	3715352.29	65.7	3715352.29	11748975.55
16:59:00	16:59:00	64.8	84.3	70.6	62.9	8:09 AM	3					

Data

17:26:00	17:26:00	64.4	92.5	69.9	60.2	8:36 AM	2754228.70	64.4	2754228.70	64.4	2754228.70	9772372.21
17:27:00	17:27:00	59.2	73.5	61.4	58.4	8:37 AM	831763.77	59.2	831763.77	59.2	831763.77	1380384.26
17:28:00	17:28:00	64.7	86.5	72.2	59.2	8:38 AM	2951209.23	64.7	2951209.23	64.7	2951209.23	16595869.07
17:29:00	17:29:00	65.6	86.4	72.1	60	8:39 AM	3630780.55	65.6	3630780.55	65.6	3630780.55	16218100.97
17:30:00	17:30:00	61.3	85.8	65.5	59.3	8:40 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	3548133.89
17:31:00	17:31:00	59.7	74	60.5	59	8:41 AM	933254.30	59.7	933254.30	59.7	933254.30	1122018.45
17:32:00	17:32:00	64.8	86.3	71.8	58.9	8:42 AM	3019951.72	64.8	3019951.72	64.8	3019951.72	15135612.48
17:33:00	17:33:00	61.1	80.7	64.7	59.2	8:43 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	2951209.23
17:34:00	17:34:00	59.4	74.6	60.9	58.9	8:44 AM	870963.59	59.4	870963.59	59.4	870963.59	1230268.77
17:35:00	17:35:00	61.1	81.6	65.2	58.8	8:45 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	3311311.21
17:36:00	17:36:00	61.1	79.3	65.9	59	8:46 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	3890451.45
17:37:00	17:37:00	61.1	80.3	66.6	59	8:47 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	4570881.90
17:38:00	17:38:00	62.7	81	68.1	59.3	8:48 AM	1862087.14	62.7	1862087.14	62.7	1862087.14	6456542.29
17:39:00	17:39:00	60.6	79.6	63.6	58.8	8:49 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	2290867.65
17:40:00	17:40:00	60.8	84	64.9	58.9	8:50 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	3090295.43
17:41:00	17:41:00	64.5	85.1	68.6	58.9	8:51 AM	2818382.93	64.5	2818382.93	64.5	2818382.93	7244359.60
17:42:00	17:42:00	70.5	89.8	75.3	68.1	8:52 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	33884415.61
17:43:00	17:43:00	69.4	89.8	74.1	68.1	8:53 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	25703957.83
17:44:00	17:44:00	68.6	87.4	69.9	67.8	8:54 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	9772372.21
17:45:00	17:45:00	68.5	83.3	69.6	68	8:55 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	9120108.39
17:46:00	17:46:00	68	100.3	72	67.5	8:56 AM	6309573.44	68	6309573.44	68	6309573.44	15848931.92
17:47:00	17:47:00	68	82.1	68.9	67.5	8:57 AM	6309573.44	68	6309573.44	68	6309573.44	7762471.17
17:48:00	17:48:00	68	90.6	69.4	67.3	8:58 AM	6309573.44	68	6309573.44	68	6309573.44	8709635.90
17:49:00	17:49:00	67.7	82.3	69	67.1	8:59 AM	5888436.55	67.7	5888436.55	67.7	5888436.55	7943282.35
17:50:00	17:50:00	82.8	99.5	87.8	67.2	9:00 AM	190546071.80	82.8	190546071.80	82.8	190546071.80	602559586.07
17:51:00	17:51:00	81.7	99.7	88.2	67.3	9:01 AM	147910838.82	81.7	147910838.82	81.7	147910838.82	660693448.01
17:52:00	17:52:00	68.3	83.7	70.2	67.6	9:02 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	10471285.48
17:53:00	17:53:00	69.2	89.3	73	67.6	9:03 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	19952623.15
17:54:00	17:54:00	79.9	100.2	87.6	67.5	9:04 AM	9772372.21	79.9	9772372.21	79.9	9772372.21	575439937.34
17:55:00	17:55:00	69.5	90.1	75.5	67.5	9:05 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	35481338.92
17:56:00	17:56:00	68.6	95.1	75.5	66.7	9:06 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	35481338.92
17:57:00	17:57:00	68	81.6	68.8	67.4	9:07 AM	6309573.44	68	6309573.44	68	6309573.44	7585775.75
17:58:00	17:58:00	69.2	95.7	76.2	67.7	9:08 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	41686938.35
17:59:00	17:59:00	69	95.5	75.8	67.9	9:09 AM	7943282.35	69	7943282.35	69	7943282.35	38018939.63
18:00:00	18:00:00	68.8	90.8	73.6	68	9:10 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	22908676.53
18:01:00	18:01:00	71.1	96.6	82.5	67.8	9:11 AM	12882495.52	71.1	12882495.52	71.1	12882495.52	177827941.00
18:02:00	18:02:00	63.4	83.5	69.1	59	9:12 AM	2187761.62	63.4	2187761.62	63.4	2187761.62	8128305.16
18:03:00	18:03:00	60.1	77.7	63.6	58.7	9:13 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	2290867.65
18:04:00	18:04:00	60.3	79.1	63.6	58.8	9:14 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	2290867.65
18:05:00	18:05:00	67.3	83.1	70.2	60.5	9:15 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	10471285.48
18:06:00	18:06:00	67.4	82	68	66.9	9:16 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	6309573.44
18:07:00	18:07:00	68.8	90.6	72.3	66.9	9:17 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	16982436.52
18:08:00	18:08:00	68.7	86.1	71.6	67.3	9:18 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	14454397.71
18:09:00	18:09:00	67.9	83.1	71.5	66.9	9:19 AM	6165950.02	67.9	6165950.02	67.9	6165950.02	14125375.45
18:10:00	18:10:00	67.3	82.4	68.5	66.6	9:20 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	7079457.84
18:11:00	18:11:00	67.3	81.1	68.5	66.8	9:21 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	7079457.84
18:12:00	18:12:00	76.6	96.5	82.6	66.9	9:22 AM	45708818.96	76.6	45708818.96	76.6	45708818.96	181970085.86
18:13:00	18:13:00	68.3	89.4	70.5	67.3	9:23 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	11220184.54
18:14:00	18:14:00	73.6	104.3	81.9	67.3	9:24 AM	22908676.53	73.6	22908676.53	73.6	22908676.53	154881661.89
18:15:00	18:15:00	70.5	107	86.4	67.6	9:25 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	436515832.24
18:16:00	18:16:00	72	89.3	85.5	67.3	9:26 AM	15848931.92	72	15848931.92	72	15848931.92	354813389.23
18:17:00	18:17:00	70.5	91.3	78	67.4	9:27 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	63095734.45
18:18:00	18:18:00	68.1	85.1	68.9	67.5	9:28 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	7762471.17
18:19:00	18:19:00	68.1	83.7	68.9	67.5	9:29 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	7762471.17
18:20:00	18:20:00	68.2	82.8	69.9	67.3	9:30 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	9772372.21
18:21:00	18:21:00	68.4	84.3	70.2	67.5	9:31 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	10471285.48
18:22:00	18:22:00	74.4	97.1	85.7	67.7	9:32 AM	27542287.03	74.4	27542287.03	74.4	27542287.03	371535229.10
18:23:00	18:23:00	68.4	82.7	69.4	67.8	9:33 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	8709635.90
18:24:00	18:24:00	68.3	82.8	69.4	67.8	9:34 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	8709635.90
18:25:00	18:25:00	68.2	82.7	68.8	67.7	9:35 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	7585775.75
18:26:00	18:26:00	68.4	84.9	69.4	67.8	9:36 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	8709635.90
18:27:00	18:27:00	69.4	89.9	75.2	67.8	9:37 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	33113112.15
18:28:00	18:28:00	69.4	87.6	72.5	68	9:38 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	17782794.10
18:29:00	18:29:00	69	95.3	74.7	67.9	9:39 AM	7943282.35	69	7943282.35	69	7943282.35	29512092.27
18:30:00	18:30:00	69.2	88.7	70.6	68.1	9:40 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	11481536.21
18:31:00	18:31:00	68.7	85.3	69.4	68.2	9:41 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	8709635.90
18:32:00	18:32:00	68.8	82.4	69.5	68	9:42 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	8912509.38
18:33:00	18:33:00	69.2	85.5	72.5	67.8	9:43 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	17782794.10
18:34:00	18:34:00	69.4	85.8	72.8	67.8	9:44 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	19054607.18
18:35:00	18:35:00	68.4	87.8	69.9	68	9:45 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	9772372.21
18:36:00	18:36:00	68.6	82.9	69.3	68.2	9:46 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	8511380.38
18:37:00	18:37:00	68.3	86	69.9	67.8	9:47 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	9772372.21
18:38:00	18:38:00	70.7	91.3	75.5	68.6	9:48 AM	11748975.55	70.7	11748975.55	70.7	11748975.55	35481338.92
18:39:00	18:39:00	69	85.6	72.2	68.1	9:49 AM	7943282.35	69	7943282.35	69	7943282.35	16595869.07
18:40:00	18:40:00	69.9	88.5	73.2	68.2	9:50 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	20892961.31
18:41:00	18:41:00	68.8	93.8	73	68	9:51 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	19952623.15
18:42:00	18:42:00	70.1	88.3	74.3	68	9:52 AM	10232929.92	70.1	10232929.92	70.1	10232929.92	26915348.04
18:43:00	18:43:00	69.8	94.1	74.6	68	9:53 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	28840315.03
18:44:00	18:44:00	69.2	86.5	72.6	67.9	9:54 AM	8317637.71	69.2	8317637.71	69.2		

Data

19:11:00	19:11:00	81.3	99.8	87.3	67	10:21 AM	134896288.26	81.3	134896288.26	81.3	134896288.26	537031796.37
19:12:00	19:12:00	79.8	99.4	81.4	74.1	10:22 AM	95499258.60	79.8	95499258.60	79.8	95499258.60	138038426.46
19:13:00	19:13:00	86.4	109.2	89	68.7	10:23 AM	436515832.24	86.4	436515832.24	86.4	436515832.24	794328234.72
19:14:00	19:14:00	69.8	93.3	74.1	68	10:24 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	25703957.83
19:15:00	19:15:00	68.2	82.5	69.3	67.5	10:25 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	8511380.38
19:16:00	19:16:00	68.6	87	73.7	67.8	10:26 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	23442288.15
19:17:00	19:17:00	69.1	93.1	76	68	10:27 AM	8128305.16	69.1	8128305.16	69.1	8128305.16	39810717.06
19:18:00	19:18:00	69.3	87.4	72.9	68	10:28 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	19498446.00
19:19:00	19:19:00	68.8	84.1	71.1	67.5	10:29 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	12882495.52
19:20:00	19:20:00	69.6	90.8	74.4	67.7	10:30 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	27542287.03
19:21:00	19:21:00	68	82.2	68.5	67.5	10:31 AM	6309573.44	68	6309573.44	68.0	6309573.44	7079457.84
19:22:00	19:22:00	68.9	85.9	72.2	67.5	10:32 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	16595869.07
19:23:00	19:23:00	69.3	90.3	73.6	67.8	10:33 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	22908676.53
19:24:00	19:24:00	68.8	84.8	72.4	67.6	10:34 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	17378008.29
19:25:00	19:25:00	77	92.8	80.5	67.4	10:35 AM	50118723.36	77	50118723.36	77.0	50118723.36	112201845.43
19:26:00	19:26:00	84.3	100.1	88.3	69.7	10:36 AM	269153480.39	84.3	269153480.39	84.3	269153480.39	676082975.39
19:27:00	19:27:00	74.9	96.4	87.1	67.3	10:37 AM	30902954.33	74.9	30902954.33	74.9	30902954.33	512861383.99
19:28:00	19:28:00	81.6	99.2	88	68.4	10:38 AM	144543977.07	81.6	144543977.07	81.6	144543977.07	630957344.48
19:29:00	19:29:00	81.6	100.7	88.2	67.1	10:39 AM	144543977.07	81.6	144543977.07	81.6	144543977.07	660693448.01
19:30:00	19:30:00	77.6	94.9	79.1	68.9	10:40 AM	57543993.73	77.6	57543993.73	77.6	57543993.73	81283051.62
19:31:00	19:31:00	85.7	109.2	89.1	67.6	10:41 AM	371535229.10	85.7	371535229.10	85.7	371535229.10	812830516.16
19:32:00	19:32:00	69.4	92.5	77.6	67.5	10:42 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	57543993.73
19:33:00	19:33:00	78.8	93.1	79.6	75.4	10:43 AM	7585775.75	78.8	7585775.75	78.8	7585775.75	91201083.94
19:34:00	19:34:00	81.4	99.5	87.1	67.1	10:44 AM	138038426.46	81.4	138038426.46	81.4	138038426.46	512861383.99
19:35:00	19:35:00	75.6	92.2	79.8	67.6	10:45 AM	36307805.48	75.6	36307805.48	75.6	36307805.48	95499258.60
19:36:00	19:36:00	82.7	100.1	87.4	67.8	10:46 AM	186208713.67	82.7	186208713.67	82.7	186208713.67	549540873.86
19:37:00	19:37:00	73.7	92.9	79.4	67.4	10:47 AM	23442288.15	73.7	23442288.15	73.7	23442288.15	97096359.00
19:38:00	19:38:00	83	100.6	88.2	68.3	10:48 AM	199526231.50	83	199526231.50	83.0	199526231.50	660693448.01
19:39:00	19:39:00	74.3	92.5	85.9	66.9	10:49 AM	26915348.04	74.3	26915348.04	74.3	26915348.04	389045144.99
19:40:00	19:40:00	82.7	98.8	87.1	67.6	10:50 AM	186208713.67	82.7	186208713.67	82.7	186208713.67	512861383.99
19:41:00	19:41:00	73.5	92.9	79.4	67.5	10:51 AM	22387211.39	73.5	22387211.39	73.5	22387211.39	87096359.00
19:42:00	19:42:00	77.8	98	85.3	69	10:52 AM	60255958.61	77.8	60255958.61	77.8	60255958.61	338844156.14
19:43:00	19:43:00	81.2	100.9	87.7	66.9	10:53 AM	131825673.86	81.2	131825673.86	81.2	131825673.86	588843655.36
19:44:00	19:44:00	78	92.8	80.3	67.7	10:54 AM	63095734.45	78	63095734.45	78.0	63095734.45	107151930.52
19:45:00	19:45:00	81.8	99.6	87.2	66.5	10:55 AM	151356124.84	81.8	151356124.84	81.8	151356124.84	524807460.25
19:46:00	19:46:00	76.2	91.2	78.8	66.5	10:56 AM	41686938.35	76.2	41686938.35	76.2	41686938.35	75857757.50
19:47:00	19:47:00	82.3	99.6	87.9	66.8	10:57 AM	169824365.25	82.3	169824365.25	82.3	169824365.25	616595001.86
19:48:00	19:48:00	77.3	93	79.9	66.9	10:58 AM	53703179.64	77.3	53703179.64	77.3	53703179.64	97723722.10
19:49:00	19:49:00	82	100.2	87.6	67.4	10:59 AM	158489319.25	82	158489319.25	82.0	158489319.25	575439937.34
19:50:00	19:50:00	78.1	97.4	83	66.9	11:00 AM	64565422.90	78.1	64565422.90	78.1	64565422.90	199526231.50
19:51:00	19:51:00	83.3	107.7	88	67.3	11:01 AM	213796208.95	83.3	213796208.95	83.3	213796208.95	630957344.48
19:52:00	19:52:00	78.9	97.2	82.1	67.9	11:02 AM	77624711.66	78.9	77624711.66	78.9	77624711.66	162181009.74
19:53:00	19:53:00	74.8	98.5	86.7	67.4	11:03 AM	30199517.20	74.8	30199517.20	74.8	30199517.20	467735141.29
19:54:00	19:54:00	81.4	100.6	88.5	67.7	11:04 AM	138038426.46	81.4	138038426.46	81.4	138038426.46	707945784.38
19:55:00	19:55:00	77.7	98.5	80.3	66.9	11:05 AM	58884365.54	77.7	58884365.54	77.7	58884365.54	107151930.52
19:56:00	19:56:00	81.2	100.2	87.5	66.7	11:06 AM	131825673.86	81.2	131825673.86	81.2	131825673.86	562341325.19
19:57:00	19:57:00	77.4	97.6	80.2	66.9	11:07 AM	54954087.39	77.4	54954087.39	77.4	54954087.39	104712854.81
19:58:00	19:58:00	81.9	99.9	87.9	66.5	11:08 AM	154881661.89	81.9	154881661.89	81.9	154881661.89	616595001.86
19:59:00	19:59:00	72.2	90.3	77.8	66	11:09 AM	16595869.07	72.2	16595869.07	72.2	16595869.07	60255958.61
20:00:00	20:00:00	75.1	89.8	76.7	69.2	11:10 AM	32359365.69	75.1	32359365.69	75.1	32359365.69	46773514.13
20:01:00	20:01:00	75.7	95.9	79.5	67.6	11:11 AM	37153522.91	75.7	37153522.91	75.7	37153522.91	89125093.81
20:02:00	20:02:00	80.2	99.2	87.6	68	11:12 AM	104712854.81	80.2	104712854.81	80.2	104712854.81	575439937.34
20:03:00	20:03:00	79.2	98.9	87.6	66.4	11:13 AM	83176377.11	79.2	83176377.11	79.2	83176377.11	575439937.34
20:04:00	20:04:00	76.7	91.5	79	68.4	11:14 AM	46773514.13	76.7	46773514.13	76.7	46773514.13	79432823.47
20:05:00	20:05:00	77.2	95.3	79.6	67.8	11:15 AM	52480746.02	77.2	52480746.02	77.2	52480746.02	91201083.94
20:06:00	20:06:00	82.8	99.8	88.3	67.1	11:16 AM	190546071.80	82.8	190546071.80	82.8	190546071.80	676082975.39
20:07:00	20:07:00	72.5	94.8	79	66.6	11:17 AM	17782794.10	72.5	17782794.10	72.5	17782794.10	79432823.47
20:08:00	20:08:00	75.9	94.2	77.7	67.2	11:18 AM	38904514.50	75.9	38904514.50	75.9	38904514.50	58884365.54
20:09:00	20:09:00	82.5	100.1	87.6	67.7	11:19 AM	17782794.10	82.5	17782794.10	82.5	17782794.10	575439937.34
20:10:00	20:10:00	72.3	99.3	83.7	67.1	11:20 AM	16982436.52	72.3	16982436.52	72.3	16982436.52	234422881.53
20:11:00	20:11:00	77.4	99.4	80.1	67.4	11:21 AM	54954087.39	77.4	54954087.39	77.4	54954087.39	102329299.23
20:12:00	20:12:00	81.9	99.7	87.2	67.2	11:22 AM	154881661.89	81.9	154881661.89	81.9	154881661.89	524807460.25
20:13:00	20:13:00	69.5	94.6	73.1	67.6	11:23 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	20417379.45
20:14:00	20:14:00	69.3	89.1	75.6	67.4	11:24 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	36307805.48
20:15:00	20:15:00	73.1	96.1	78.8	67.6	11:25 AM	20417379.45	73.1	20417379.45	73.1	20417379.45	75857757.50
20:16:00	20:16:00	73.7	91.8	79.1	67.7	11:26 AM	23442288.15	73.7	23442288.15	73.7	23442288.15	81283051.62
20:17:00	20:17:00	76.5	98.9	80.5	69.3	11:27 AM	44668359.22	76.5	44668359.22	76.5	44668359.22	112201845.43
20:18:00	20:18:00	80.7	99.4	87.7	67.8	11:28 AM	117489755.49	80.7	117489755.49	80.7	117489755.49	58884365.54
20:19:00	20:19:00	75.7	93.1	79.1	67.9	11:29 AM	37153522.91	75.7	37153522.91	75.7	37153522.91	81283051.62
20:20:00	20:20:00	81.7	100.6	88.3	68	11:30 AM	147910838.82	81.7	147910838.82	81.7	147910838.82	676082975.39
20:21:00	20:21:00	77.3	99.7	88.4	67.1	11:31 AM	53703179.64	77.3	53703179.64	77.3	53703179.64	691830970.92
20:22:00	20:22:00	76.7	96.4	79.6	68.4	11:32 AM	46773514.13	76.7	46773514.13	76.7	46773514.13	91201083.94
20:23:00	20:23:00	82.2	100.8	89	67.8	11:33 AM	165958690.74	82.2	165958690.74	82.2	165958690.74	794328234.72
20:24:00	20:24:00	68.1	83	69	67.8	11:34 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	79432823.47
20:25:00	20:25:00	68	82.1	68.5	67.7	11:35 AM	6309573.44	68	6309573.44	68.0	6309573.44	7079457.84
20:26:00	20:26:00	77.1	91.8	78.7	67.9	11:36 AM	51286138.40	77.1	51286138.40	77.1	51286138.40	741310241.30
20:27:00	20:27:00	82										

20:56:00	20:56:00	62.9	85.3	72.1	59.8	12:06 PM	1949844.60	62.9	1949844.60	62.9	1949844.60	16218100.97
20:57:00	20:57:00	60.3	88.8	72.8	59.9	12:07 PM	3388441.56	65.3	3388441.56	65.3	3388441.56	19054607.18
20:58:00	20:58:00	60.9	84.1	63.8	59.4	12:08 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	2398832.92
20:59:00	20:59:00	63.4	87.3	72.9	59.8	12:09 PM	2187761.62	63.4	2187761.62	63.4	2187761.62	1949844.60
21:00:00	21:00:00	63.6	86	73.1	59.8	12:10 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	20417379.45
21:01:00	21:01:00	60.7	77.9	64.4	59.8	12:11 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	2754228.70
21:02:00	21:02:00	62.5	83.1	69.4	59.7	12:12 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	8709635.90
21:03:00	21:03:00	65.4	84.7	69.3	59.8	12:13 PM	3467368.50	65.4	3467368.50	65.4	3467368.50	8511380.38
21:04:00	21:04:00	62.4	94.7	73.8	59.6	12:14 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	23988329.19
21:05:00	21:05:00	65	86.6	72.8	59.3	12:15 PM	3162277.66	65	3162277.66	65.0	3162277.66	19054607.18
21:06:00	21:06:00	63.5	83.3	68.2	59.9	12:16 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	6606934.48
21:07:00	21:07:00	60.6	78.1	63.6	59.7	12:17 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	2290867.65
21:08:00	21:08:00	62.4	80.1	67.6	59.8	12:18 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	5754399.37
21:09:00	21:09:00	62	81.3	64.7	59.7	12:19 PM	1584893.19	62	1584893.19	62.0	1584893.19	2951209.23
21:10:00	21:10:00	60.5	78.6	62.6	59.4	12:20 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	1819700.86
21:11:00	21:11:00	60.7	77.8	62.9	59.5	12:21 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	1949844.60
21:12:00	21:12:00	60.7	82.9	63.7	59.3	12:22 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	2344228.82
21:13:00	21:13:00	61.1	77.8	64.5	59.6	12:23 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	281832.93
21:14:00	21:14:00	64.3	95.8	76.5	60.5	12:24 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	44668359.22
21:15:00	21:15:00	62.6	81.4	64.8	60.4	12:25 PM	1819700.86	62.6	1819700.86	62.6	1819700.86	3019951.72
21:16:00	21:16:00	61	78.7	63.7	59.6	12:26 PM	1258925.41	61	1258925.41	61.0	1258925.41	2344228.82
21:17:00	21:17:00	61.7	89.6	67.9	59.6	12:27 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	6165950.02
21:18:00	21:18:00	61.5	80	66.9	59.7	12:28 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	4897788.19
21:19:00	21:19:00	64.5	86.7	70.6	59.3	12:29 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	11481536.21
21:20:00	21:20:00	60.9	80.9	64.4	59.2	12:30 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	2754228.70
21:21:00	21:21:00	61.5	79.8	67.8	59.4	12:31 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	6025595.86
21:22:00	21:22:00	66.2	83.7	69.5	60.2	12:32 PM	4168693.83	66.2	4168693.83	66.2	4168693.83	8912509.38
21:23:00	21:23:00	67.7	81.6	68.4	67.4	12:33 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	6918309.71
21:24:00	21:24:00	67.9	82	68.7	67.4	12:34 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	7413102.41
21:25:00	21:25:00	72.1	96.8	78.7	67.5	12:35 PM	16218100.97	72.1	16218100.97	72.1	16218100.97	74131024.13
21:26:00	21:26:00	76.5	98.2	79.3	67.9	12:36 PM	44668359.22	76.5	44668359.22	76.5	44668359.22	85113803.82
21:27:00	21:27:00	81.3	100.4	88	67.5	12:37 PM	134896288.26	81.3	134896288.26	81.3	134896288.26	630957344.48
21:28:00	21:28:00	75.7	97.3	79.4	67.3	12:38 PM	37153522.91	75.7	37153522.91	75.7	37153522.91	87096359.00
21:29:00	21:29:00	81	99.6	87.3	67.2	12:39 PM	125892541.18	81	125892541.18	81.0	125892541.18	537031796.37
21:30:00	21:30:00	75.5	91.8	78.7	67.4	12:40 PM	35481338.92	75.5	35481338.92	75.5	35481338.92	74131024.13
21:31:00	21:31:00	81.3	100.2	88.4	67.7	12:41 PM	134896288.26	81.3	134896288.26	81.3	134896288.26	691830970.92
21:32:00	21:32:00	74.7	93.3	78.5	67.9	12:42 PM	29512092.27	74.7	29512092.27	74.7	29512092.27	70794578.44
21:33:00	21:33:00	84.3	100.1	88.4	67.8	12:43 PM	269153480.39	84.3	269153480.39	84.3	269153480.39	691830970.92
21:34:00	21:34:00	74.5	92.4	79.6	67.5	12:44 PM	28183829.31	74.5	28183829.31	74.5	28183829.31	91201083.94
21:35:00	21:35:00	82.4	100.8	88.4	67.5	12:45 PM	173780082.87	82.4	173780082.87	82.4	173780082.87	691830970.92
21:36:00	21:36:00	76.1	97.6	80.1	67.4	12:46 PM	40738027.78	76.1	40738027.78	76.1	40738027.78	102329299.23
21:37:00	21:37:00	80.6	99	87.5	67.5	12:47 PM	114815362.15	80.6	114815362.15	80.6	114815362.15	562341325.19
21:38:00	21:38:00	74.4	96	77.4	68.1	12:48 PM	27542287.03	74.4	27542287.03	74.4	27542287.03	54954087.39
21:39:00	21:39:00	81.5	100.2	88.6	67.7	12:49 PM	141253754.46	81.5	141253754.46	81.5	141253754.46	724435960.07
21:40:00	21:40:00	76.7	99.6	86.8	67.5	12:50 PM	46773514.13	76.7	46773514.13	76.7	46773514.13	478630092.32
21:41:00	21:41:00	81.4	100.1	88.6	67.5	12:51 PM	138038426.46	81.4	138038426.46	81.4	138038426.46	724435960.07
21:42:00	21:42:00	81.3	100.1	88.3	68.4	12:52 PM	134896288.26	81.3	134896288.26	81.3	134896288.26	676082975.39
21:43:00	21:43:00	78.4	100	88.6	67.7	12:53 PM	69183097.09	78.4	69183097.09	78.4	69183097.09	724435960.07
21:44:00	21:44:00	74	100.3	78.8	67.8	12:54 PM	25118864.32	74	25118864.32	74.0	25118864.32	7585775.50
21:45:00	21:45:00	80.8	99.9	87.4	67.2	12:55 PM	120226443.46	80.8	120226443.46	80.8	120226443.46	549540873.86
21:46:00	21:46:00	74.5	99.8	78.6	68.1	12:56 PM	28183829.31	74.5	28183829.31	74.5	28183829.31	72443596.01
21:47:00	21:47:00	81.4	100.6	88.4	67.5	12:57 PM	138038426.46	81.4	138038426.46	81.4	138038426.46	691830970.92
21:48:00	21:48:00	79.7	99	87.4	67.6	12:58 PM	93325430.08	79.7	93325430.08	79.7	93325430.08	549540873.86
21:49:00	21:49:00	79.4	100.1	87.8	67.1	12:59 PM	87096359.00	79.4	87096359.00	79.4	87096359.00	602559586.07
21:50:00	21:50:00	80.9	99.3	86.7	67.4	1:00 PM	123026877.08	80.9	123026877.08	80.9	123026877.08	467735141.29
21:51:00	21:51:00	72.8	89.1	81.3	67.3	1:01 PM	19054607.18	72.8	19054607.18	72.8	19054607.18	134896288.26
21:52:00	21:52:00	81.4	100.2	88	68.1	1:02 PM	138038426.46	81.4	138038426.46	81.4	138038426.46	630957344.48
21:53:00	21:53:00	68.6	87.4	74.1	67.6	1:03 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	25703957.83
21:54:00	21:54:00	79.1	99.6	87.4	67.4	1:04 PM	81283051.62	79.1	81283051.62	79.1	81283051.62	549540873.86
21:55:00	21:55:00	78.9	100.8	87.9	67.3	1:05 PM	77624711.66	78.9	77624711.66	78.9	77624711.66	616595001.86
21:56:00	21:56:00	81.2	101	88.2	67.8	1:06 PM	131825673.86	81.2	131825673.86	81.2	131825673.86	660693448.01
21:57:00	21:57:00	74.9	97.4	87.8	66.8	1:07 PM	30902954.33	74.9	30902954.33	74.9	30902954.33	602559586.07
21:58:00	21:58:00	81.5	101.5	88.1	68.1	1:08 PM	141253754.46	81.5	141253754.46	81.5	141253754.46	646564229.03
21:59:00	21:59:00	72.9	89.4	75.6	67.6	1:09 PM	19498446.00	72.9	19498446.00	72.9	19498446.00	36307805.48
22:00:00	22:00:00	81.4	100	88.6	67.6	1:10 PM	138038426.46	81.4	138038426.46	81.4	138038426.46	724435960.07
22:01:00	22:01:00	73.5	94.8	77.5	67.3	1:11 PM	22387211.39	73.5	22387211.39	73.5	22387211.39	56234132.52
22:02:00	22:02:00	81.5	100.6	88.1	67.1	1:12 PM	141253754.46	81.5	141253754.46	81.5	141253754.46	646564229.03
22:03:00	22:03:00	68.1	89.1	71.9	67.6	1:13 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	15488166.19
22:04:00	22:04:00	69.2	88	73.1	67.7	1:14 PM	8317637.71	69.2	8317637.71	69.2	8317637.71	20417379.45
22:05:00	22:05:00	68.4	83.7	70.6	67.2	1:15 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	11481536.21
22:06:00	22:06:00	70.7	94.9	76.3	67.1	1:16 PM	11748975.55	70.7	11748975.55	70.7	11748975.55	42657951.88
22:07:00	22:07:00	78	99.9	88.1	67	1:17 PM	63095734.45	78	63095734.45	78.0	63095734.45	646564229.03
22:08:00	22:08:00	79.4	100.3	88.7	67.1	1:18 PM	87096359.00	79.4	87096359.00	79.4	87096359.00	741310241.30
22:09:00	22:09:00	81.4	99.5	87.5	67.3	1:19 PM	138038426.46	81.4	138038426.46	81.4	138038426.46	562341325.19
22:10:00	22:10:00	71	88.1	74.2	67	1:20 PM	12589254.12	71	12589254.12	71.0	12589254.12	26302679.92
22:11:00	22:11:00	81.1	100	87.8	66.7	1:21 PM	128824955.17	81.1	128824955.17	81.1	128824955.17	602559586.07
22:12:00	22:12:00	71.7	87.4	74.2	66.6	1:22 PM	14791083.88	71.7	14791083.88	71.7	14791083.88	26302679.92
22:												

22:41:00	22:41:00	70.2	95.5	75.7	67.9	1:51 PM	10471285.48	70.2	10471285.48	70.2	10471285.48	37153522.91
22:42:00	22:42:00	68.8	95.8	74.5	67.6	1:52 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	28183829.31
22:43:00	22:43:00	68.9	94.9	75.4	67.4	1:53 PM	7762471.17	68.9	7762471.17	68.9	7762471.17	34673685.05
22:44:00	22:44:00	68.7	86.4	72.4	67.6	1:54 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	17378008.29
22:45:00	22:45:00	67.8	87	69.7	67.4	1:55 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	9332543.01
22:46:00	22:46:00	67.7	81.7	68.5	67.1	1:56 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7079457.84
22:47:00	22:47:00	69.2	98.6	78.2	67	1:57 PM	8317637.71	69.2	8317637.71	69.2	8317637.71	66069344.80
22:48:00	22:48:00	68.1	88.1	70.6	67.1	1:58 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	11481536.21
22:49:00	22:49:00	68	96.8	74.5	67.1	1:59 PM	6309573.44	68	6309573.44	68.0	6309573.44	28183829.31
22:50:00	22:50:00	68.3	95.5	75.4	67.3	2:00 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	34673685.05
22:51:00	22:51:00	69.3	90.4	76.6	67.3	2:01 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	45708818.96
22:52:00	22:52:00	75.1	99.4	86.2	67.2	2:02 PM	32359365.69	75.1	32359365.69	75.1	32359365.69	416869383.47
22:53:00	22:53:00	70.6	97.4	78	67.8	2:03 PM	11481536.21	70.6	11481536.21	70.6	11481536.21	63095734.45
22:54:00	22:54:00	67.8	82.7	69	67.2	2:04 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7943282.35
22:55:00	22:55:00	67.9	82.9	69.1	67.3	2:05 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	8128305.16
22:56:00	22:56:00	67.7	86.7	69.2	67.1	2:06 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	8317637.71
22:57:00	22:57:00	69.1	88.8	74	67.2	2:07 PM	8128305.16	69.1	8128305.16	69.1	8128305.16	25118864.32
22:58:00	22:58:00	68.4	94.4	74.9	67.2	2:08 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	30902954.33
22:59:00	22:59:00	67.7	85.1	68.9	66.8	2:09 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7762471.17
23:00:00	23:00:00	67.6	81.6	68.5	67.2	2:10 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7079457.84
23:01:00	23:01:00	68	83.9	69.2	67.3	2:11 PM	6309573.44	68	6309573.44	68.0	6309573.44	8317637.71
23:02:00	23:02:00	80.8	99.5	86.7	68.2	2:12 PM	120226443.46	80.8	120226443.46	80.8	120226443.46	467735141.29
23:03:00	23:03:00	68.4	96	75.8	67.1	2:13 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	38018939.63
23:04:00	23:04:00	68.4	97.6	77.5	67	2:14 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	56234132.52
23:05:00	23:05:00	67.7	81.7	68.6	67.3	2:15 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7244359.60
23:06:00	23:06:00	68.8	86.5	72.6	67.3	2:16 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	18197008.59
23:07:00	23:07:00	69	86.5	72.4	67.3	2:17 PM	7943282.35	69	7943282.35	69.0	7943282.35	17378008.29
23:08:00	23:08:00	67.4	81.3	68.1	67	2:18 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	6456542.29
23:09:00	23:09:00	68.1	95	75.4	66.9	2:19 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	34673685.05
23:10:00	23:10:00	68.1	83.2	69.7	67	2:20 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	9332543.01
23:11:00	23:11:00	70	88.7	75.5	67.4	2:21 PM	10000000.00	70	10000000.00	70.0	10000000.00	35481338.92
23:12:00	23:12:00	69.4	86.9	74.3	67.4	2:22 PM	8709635.90	69.4	8709635.90	69.4	8709635.90	26915348.04
23:13:00	23:13:00	68.9	87.8	73.6	67.4	2:23 PM	7762471.17	68.9	7762471.17	68.9	7762471.17	22908676.53
23:14:00	23:14:00	68	82.7	68.9	67.6	2:24 PM	6309573.44	68	6309573.44	68.0	6309573.44	7762471.17
23:15:00	23:15:00	75.9	99.9	86.1	67.5	2:25 PM	38904514.50	75.9	38904514.50	75.9	38904514.50	407380277.80
23:16:00	23:16:00	68.6	97.6	77.1	67.4	2:26 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	51286138.40
23:17:00	23:17:00	68.9	87.6	72.7	67.6	2:27 PM	7762471.17	68.9	7762471.17	68.9	7762471.17	18620871.37
23:18:00	23:18:00	67.8	81.7	68.9	67.2	2:28 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7762471.17
23:19:00	23:19:00	67.8	83.9	68.7	67.2	2:29 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7413102.41
23:20:00	23:20:00	68.3	97.2	77.4	67.2	2:30 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	54954087.39
23:21:00	23:21:00	68.1	83.4	70.3	67.4	2:31 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10715193.05
23:22:00	23:22:00	67.6	82.9	69	67	2:32 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7943282.35
23:23:00	23:23:00	72	91.5	78.2	67.2	2:33 PM	15848931.92	72	15848931.92	72.0	15848931.92	66069344.80
23:24:00	23:24:00	79	99.3	87.2	67.1	2:34 PM	7943282.35	79	7943282.35	79.0	7943282.35	524807460.25
23:25:00	23:25:00	67.9	84.1	70.7	67	2:35 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	11748975.55
23:26:00	23:26:00	68.2	86.9	70.1	67.4	2:36 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	10232929.92
23:27:00	23:27:00	67.7	83	68.7	67	2:37 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7413102.41
23:28:00	23:28:00	69.6	87.2	72.6	67.3	2:38 PM	9120108.39	69.6	9120108.39	69.6	9120108.39	18197008.59
23:29:00	23:29:00	69.3	88.3	72.3	67.4	2:39 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	16982436.52
23:30:00	23:30:00	68.1	84.6	70.4	67.4	2:40 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10964781.96
23:31:00	23:31:00	67.6	81.3	68.2	67.1	2:41 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	6606934.48
23:32:00	23:32:00	67.4	80.9	68.2	67	2:42 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	6606934.48
23:33:00	23:33:00	67.7	86.8	68.7	67.1	2:43 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7413102.41
23:34:00	23:34:00	67.6	82.3	68.7	67.1	2:44 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7413102.41
23:35:00	23:35:00	68	83.7	70.4	66.9	2:45 PM	6309573.44	68	6309573.44	68.0	6309573.44	10964781.96
23:36:00	23:36:00	68.6	85.2	71	67.3	2:46 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	12589254.12
23:37:00	23:37:00	68.1	83.8	69.6	67.5	2:47 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	9120108.39
23:38:00	23:38:00	67.7	87	68.2	67.1	2:48 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	6606934.48
23:39:00	23:39:00	67.8	83.1	69	67.2	2:49 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7943282.35
23:40:00	23:40:00	67.8	82.6	68.8	66.9	2:50 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7585775.75
23:41:00	23:41:00	68.1	94.2	74.3	67	2:51 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	26915348.04
23:42:00	23:42:00	71.3	94.5	75.8	67	2:52 PM	13489628.83	71.3	13489628.83	71.3	13489628.83	38018939.63
23:43:00	23:43:00	71.5	94.1	76.6	67	2:53 PM	14125375.45	71.5	14125375.45	71.5	14125375.45	45708818.96
23:44:00	23:44:00	67.4	83.6	70.4	66.5	2:54 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	10964781.96
23:45:00	23:45:00	68.9	89.1	71.9	67.1	2:55 PM	7762471.17	68.9	7762471.17	68.9	7762471.17	15488166.19
23:46:00	23:46:00	68	87.4	71.6	66.7	2:56 PM	6309573.44	68	6309573.44	68.0	6309573.44	14454397.71
23:47:00	23:47:00	67.7	85.3	70.2	67.2	2:57 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	10471285.48
23:48:00	23:48:00	67.5	83.2	67.9	67	2:58 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	6165950.02
23:49:00	23:49:00	67.6	86.2	69.4	66.8	2:59 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	8709635.90
23:50:00	23:50:00	68.1	85.8	70.9	67.3	3:00 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	12302687.71
23:51:00	23:51:00	68.1	87.3	70.8	67.2	3:01 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	12022644.35
23:52:00	23:52:00	68.3	95.1	74.1	67.4	3:02 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	25703957.83
23:53:00	23:53:00	68	82.3	69.5	67.5	3:03 PM	6309573.44	68	6309573.44	68.0	6309573.44	8912509.38
23:54:00	23:54:00	69.3	87.2	73.7	67.6	3:04 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	23442288.15
23:55:00	23:55:00	67.9	82.4	69	67.4	3:05 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	7943282.35
23:56:00	23:56:00	74.3	98.8	85.9	67.4	3:06 PM	26915348.04	74.3	26915348.04	74.3	26915348.04	389045144.99
23:57:00	23:57:00	67.6	81.4	68.5	67.1	3:07 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7079457.84
23:58:00	23:58:00	67.7	84.7	70.7	67.1	3:08 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	11748975.55
23:59:00	23:59:00	69.3	90.5	73.9	67.6	3:09 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	2

## Summary

Serial Number BGI040008  
 Start Time 15:10:56 13-Apr-2022  
 Run Length 24:00:00 5529600

UNIT REV R12N

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	114	
Date		15:05:54 12-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	24	24
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	73	73
Lmax	dB	95.2	95.2
Lmin	dB	58.3	58.3
Lpk	dB	111.5	111.5
TWA	dB	77.8	77.8
PTWA	dB	77.8	77.8
DOSE	%	60.28	59.93
PDOSE	%	60.28	59.93
SEL	dB	122.4	122.4
EXP	p2s	686	686

Measurement	Units	Value
LDN	dB	74
CNEL	dB	74
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	87.1
L08	dB	72.2
L25	dB	68.4
L50	dB	61.8

**CUP Site #1 - Measurement #2**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	95.2	87.1	86.2	83.9	78.7	75.2	73.5	72.9	72.2	71.5
10	71	70.5	70.1	69.9	69.7	69.6	69.5	69.4	69.4	69.3
20	69.1	69	68.8	68.7	68.5	68.4	68.2	68.1	68	67.8
30	67.7	67.6	67.5	67.2	66.1	65	64.6	64.3	63.9	63.6
40	63.3	63.1	62.8	62.6	62.5	62.3	62.1	62	61.9	61.8
50	61.8	61.7	61.6	61.5	61.4	61.4	61.3	61.2	61.2	61.1
60	61.1	61	60.9	60.9	60.8	60.7	60.7	60.6	60.6	60.5
70	60.4	60.4	60.3	60.2	60.1	60.1	60	60	59.9	59.8
80	59.8	59.7	59.7	59.6	59.6	59.5	59.5	59.5	59.4	59.4
90	59.3	59.3	59.2	59.2	59.1	59.1	59	59	58.9	58.8

Raw Stat Table

dB	Count
58.3	98
58.4	183
58.5	1383
58.6	4125
58.7	12110
58.8	27393
58.9	45826
59	74617
59.1	101471
59.2	93050
59.3	110043
59.4	116790
59.5	124317
59.6	120222
59.7	119909
59.8	109891
59.9	103961
60	97624
60.1	90730
60.2	85347
60.3	83711
60.4	80699
60.5	81444
60.6	82994
60.7	83332
60.8	85379
60.9	88893
61	91004
61.1	92813
61.2	91045
61.3	88461

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
58				0	0	0.02	0.07	0.21	0.49	0.82
59	1.34	1.83	1.68	1.99	2.11	2.24	2.17	2.16	1.98	1.88
60	1.76	1.64	1.54	1.51	1.45	1.47	1.5	1.5	1.54	1.6
61	1.64	1.67	1.64	1.59	1.47	1.41	1.38	1.29	1.19	1.16
62	1.11	1.01	0.82	0.45	0.74	0.66	0.61	0.54	0.51	0.5
63	0.43	0.42	0.41	0.41	0.38	0.35	0.31	0.28	0.27	0.28
64	0.28	0.29	0.25	0.27	0.29	0.32	0.34	0.3	0.29	0.24
65	0.18	0.15	0.14	0.07	0.11	0.1	0.1	0.09	0.08	0.08
66	0.08	0.07	0.06	0.06	0.06	0.05	0.05	0.06	0.06	0.07
67	0.08	0.1	0.15	0.23	0.36	0.47	0.61	0.79	0.92	0.89
68	0.86	0.8	0.78	0.47	0.64	0.64	0.72	0.83	0.81	0.66
69	0.61	0.56	0.64	0.78	0.98	1.16	1.11	1.03	0.84	0.62
70	0.48	0.41	0.36	0.33	0.3	0.26	0.23	0.2	0.2	0.19
71	0.2	0.21	0.21	0.13	0.18	0.17	0.16	0.16	0.16	0.15
72	0.15	0.13	0.14	0.15	0.13	0.13	0.12	0.13	0.13	0.15
73	0.15	0.15	0.16	0.15	0.14	0.13	0.12	0.1	0.1	0.08
74	0.08	0.07	0.08	0.04	0.05	0.04	0.04	0.04	0.04	0.04

**CUP Site #1 - Measurement #2**

Summary

75	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	61.4	81828	
76	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.03	61.5	78513
77	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	61.6	76850
78	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	61.7	71782
79	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02	61.8	66011
80	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	61.9	64159
81	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	62	61584
82	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	62.1	55928
83	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	62.2	45662
84	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	62.3	25423
85	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.06	0.06	62.4	40990
86	0.08	0.09	0.11	0.11	0.08	0.12	0.12	0.12	0.12	0.12	0.12	62.5	37033
87	0.11	0.11	0.09	0.1	0.08	0.08	0.07	0.06	0.06	0.06	0.06	62.6	33772
88	0.05	0.05	0.04	0.04	0.03	0.04	0.03	0.02	0.01	0	0	62.7	30128
89	0	0	0	0	0	0	0	0	0	0	0	62.8	28690
90	0	0	0	0	0	0	0	0	0	0	0	62.9	27704
91	0	0	0	0	0	0	0	0	0	0	0	63	23896
92	0	0	0	0	0	0	0	0	0	0	0	63.1	23404
93	0	0	0	0	0	0	0	0	0	0	0	63.2	23145
94	0	0	0	0	0	0	0	0	0	0	0	63.3	23046
95	0	0	0									63.4	21356
												63.5	19521
												63.6	17664
												63.7	15505
												63.8	14971
												63.9	15824
												64	15558
												64.1	16272
												64.2	14332
												64.3	15089
												64.4	16439
												64.5	18244
												64.6	19247
												64.7	16915
												64.8	16222
												64.9	13614
												65	10399
												65.1	8729
												65.2	8195
												65.3	4413
												65.4	6098
												65.5	5694
												65.6	5707

**CUP Site #1 - Measurement #2**  
Data

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		68.1	92	68.9	67.5
	0:02:00	0:02:00		68.2	85.3	71.9	67.3
	0:03:00	0:03:00		67.9	85.4	69.5	67.2
	0:04:00	0:04:00		68	89.2	70.9	67
	0:05:00	0:05:00		68.1	87.5	69.7	67.5
	0:06:00	0:06:00		68	83.5	69.3	67.3
	0:07:00	0:07:00		67.9	82.3	69.5	67.3
	0:08:00	0:08:00		68.3	93.4	73.2	67.4
	0:09:00	0:09:00		68.6	92.6	77.7	67.1
	0:10:00	0:10:00		67.5	82.9	69.6	66.8
	0:11:00	0:11:00		72	98	78.1	66.4
	0:12:00	0:12:00		72.3	90.6	78.3	67
	0:13:00	0:13:00		71	93.7	77.8	66.6
	0:14:00	0:14:00		67.4	80.8	67.8	66.6
	0:15:00	0:15:00		67.6	81.5	68.5	66.9
	0:16:00	0:16:00		71.1	95.1	80.2	67.3
	0:17:00	0:17:00		68.8	88.2	74.3	67.1
	0:18:00	0:18:00		70.8	95.9	75.5	67.2
	0:19:00	0:19:00		73	86.5	73.6	72.2
	0:20:00	0:20:00		71	94.5	75.6	67.6
	0:21:00	0:21:00		67.8	81.9	68.5	67.4
	0:22:00	0:22:00		67.6	81.7	68	67.3
	0:23:00	0:23:00		69	91.9	74.3	67.3
	0:24:00	0:24:00		73.1	86.9	74.4	71.5
	0:25:00	0:25:00		68.1	92.1	73.4	66.7
	0:26:00	0:26:00		71.4	86.6	73.1	67.5
	0:27:00	0:27:00		72.1	86.3	73.7	70.1
	0:28:00	0:28:00		71.8	85.6	73.2	70.6
	0:29:00	0:29:00		72.2	86.3	73	71.5
	0:30:00	0:30:00		73.3	87.1	74.2	72.2
	0:31:00	0:31:00		73.9	88	74.4	72.7
	0:32:00	0:32:00		73.5	88.1	74.1	72.7
	0:33:00	0:33:00		73.4	87.5	73.9	72.4
	0:34:00	0:34:00		72.4	85.8	73.2	71.1
	0:35:00	0:35:00		73.2	87.9	75.1	71.5
	0:36:00	0:36:00		73.3	89.3	74	72.6
	0:37:00	0:37:00		73.3	87.2	73.9	72.9
	0:38:00	0:38:00		73.2	87.7	73.9	72.2
	0:39:00	0:39:00		73.2	87	73.9	72.2
	0:40:00	0:40:00		71.7	85.8	72.6	70.8
	0:41:00	0:41:00		71.3	85.5	71.7	70.7
	0:42:00	0:42:00		71	85.8	71.5	69
	0:43:00	0:43:00		70.2	86.9	71.4	69.4
	0:44:00	0:44:00		72	88.4	74.7	69.2
	0:45:00	0:45:00		72.7	87.2	73.6	71.1
	0:46:00	0:46:00		71.6	86.4	74.1	68.7
	0:47:00	0:47:00		71.7	87.2	73.8	68.3
	0:48:00	0:48:00		73.6	88.6	75.1	69.5
	0:49:00	0:49:00		72.5	87	74.4	69.6
	0:50:00	0:50:00		71.8	87.8	73.8	70.7
	0:51:00	0:51:00		70.2	85.1	71.7	68
	0:52:00	0:52:00		69.2	89.2	72.2	68
	0:53:00	0:53:00		69.5	86.7	72.3	68.1
	0:54:00	0:54:00		69.2	84.1	71.1	68.4
	0:55:00	0:55:00		69.2	84.2	70.7	68.5
	0:56:00	0:56:00		69.1	83.2	69.8	68.6
	0:57:00	0:57:00		69	83.1	70.4	68.3
	0:58:00	0:58:00		68.2	94.3	73.4	67.2
	0:59:00	0:59:00		70.4	93.9	79	67.5
	1:00:00	1:00:00		68.2	84.9	69.6	67.4
	1:01:00	1:01:00		67.7	81.5	68.9	67.2
	1:02:00	1:02:00		68	82.9	69.1	67.4
	1:03:00	1:03:00		67.8	83.1	69.5	67.2
	1:04:00	1:04:00		67.8	89.5	70.3	67.2
	1:05:00	1:05:00		67.9	82.8	68.5	67.4
	1:06:00	1:06:00		67.8	81.6	68.3	67.3
	1:07:00	1:07:00		68	85.6	69	67.6
	1:08:00	1:08:00		68.6	91.6	72.9	67.5
	1:09:00	1:09:00		68.6	88.7	70.7	67.6
	1:10:00	1:10:00		68.2	82.9	70.1	67.5
	1:11:00	1:11:00		68	84.9	69	67.6
	1:12:00	1:12:00		65.7	90.6	68.9	61.8
	1:13:00	1:13:00		66.1	92.1	69.5	61.1
	1:14:00	1:14:00		73.2	98.2	85	67.9
	1:15:00	1:15:00		72.7	95.9	81.9	67.8
	1:16:00	1:16:00		68.7	87.1	70.6	67.8
	1:17:00	1:17:00		68.4	90.4	69	68.1
	1:18:00	1:18:00		68.7	90	71.9	67.9
	1:19:00	1:19:00		67.2	88.2	69.9	60.8
	1:20:00	1:20:00		61.7	77.4	63.7	60.7
	1:21:00	1:21:00		62.3	81.7	65	61
	1:22:00	1:22:00		62.3	86.3	67.2	60.5
	1:23:00	1:23:00		62.2	78	66.6	61
	1:24:00	1:24:00		61.5	86.3	66.2	59.8
	1:25:00	1:25:00		61.6	85.1	66.8	59.9
	1:26:00	1:26:00		62.3	87.8	65.9	60.2
	1:27:00	1:27:00		61.5	85.1	63.2	60.3
	1:28:00	1:28:00		61.5	76.2	63	60.5
	1:29:00	1:29:00		63.1	81.6	66	61.1
	1:30:00	1:30:00		67.6	92	74.2	62.1
	1:31:00	1:31:00		62.2	82.9	66.2	60.9
	1:32:00	1:32:00		63.3	82.3	67.6	60.6
	1:33:00	1:33:00		61.6	78.1	63.9	60.5
	1:34:00	1:34:00		62.7	85.3	65.8	60.9
	1:35:00	1:35:00		61.4	77.4	63.1	60.2
	1:36:00	1:36:00		63.3	81.2	66.7	60.8
	1:37:00	1:37:00		61.6	86	64.7	60.5
	1:38:00	1:38:00		64	92.5	68.4	61
	1:39:00	1:39:00		63.4	89.1	67.2	60.4
	1:40:00	1:40:00		61.2	76.2	63.1	60

	Daytime	Nighttime
L <sub>eq</sub>	75.0	61.5
L <sub>max</sub>	95.2	90.3
CNEL	74.0	
L <sub>dn</sub>	74.0	
L <sub>50</sub>	82.4	64.2
L <sub>25</sub>	83.2	65.1
L <sub>10</sub>	83.9	67.0
L <sub>10</sub>	84.3	75.2
L <sub>max</sub>	95.2	90.3

	L <sub>eq</sub>	L <sub>max</sub>
7:30 a.m. - 9:30 p.m.	75.2	95.2
9:30 p.m. - 7:30 a.m.	63.5	90.3

Time	L <sub>eq</sub> 10 <sup>(K/10)</sup>	CNEL	CNEL 10 <sup>(K/10)</sup>	L <sub>dn</sub>	L <sub>dn</sub> 10 <sup>(K/10)</sup>	L <sub>max</sub> 10 <sup>(K/10)</sup>
3:10 PM						
3:11 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	7762471.17
3:12 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	15488166.19
3:13 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	8912509.38
3:14 PM	6309573.44	68	6309573.44	68.0	6309573.44	12302687.71
3:15 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	9332543.01
3:16 PM	6309573.44	68	6309573.44	68.0	6309573.44	8511380.38
3:17 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	8912509.38
3:18 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	20892961.31
3:19 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	58884365.54
3:20 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	9120108.39
3:21 PM	15848931.92	72	15848931.92	72.0	15848931.92	64565422.90
3:22 PM	16982436.52	72.3	16982436.52	72.3	16982436.52	67608297.54
3:23 PM	12589254.12	71	12589254.12	71.0	12589254.12	60255958.61
3:24 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	60255958.61
3:25 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7079457.84
3:26 PM	12882495.52	71.1	12882495.52	71.1	12882495.52	104712854.01
3:27 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	26915348.04
3:28 PM	12022644.35	70.8	12022644.35	70.8	12022644.35	35481338.92
3:29 PM	19952623.15	73	19952623.15	73.0	19952623.15	22908676.53
3:30 PM	12589254.12	71	12589254.12	71.0	12589254.12	36307805.48
3:31 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7079457.84
3:32 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	6309573.44
3:33 PM	7943282.35	69	7943282.35	69.0	7943282.35	26915348.04
3:34 PM	20417379.45	73.1	20417379.45	73.1	20417379.45	27542287.03
3:35 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	21877616.24
3:36 PM	13803842.65	71.4	13803842.65	71.4	13803842.65	20417379.45
3:37 PM	16218100.97	72.1	16218100.97	72.1	16218100.97	23442288.15
3:38 PM	15135612.48	71.8	15135612.48	71.8	15135612.48	20892961.31
3:39 PM	16595869.07	72.2	16595869.07	72.2	16595869.07	19952623.15
3:40 PM	21379620.90	73.3	21379620.90	73.3	21379620.90	26302679.92
3:41 PM	24547089.16	73.9	24547089.16	73.9	24547089.16	27542287.03
3:42 PM	22387211.39	73.5	22387211.39	73.5	22387211.39	25703957.83
3:43 PM	21877616.24	73.4	21877616.24	73.4	21877616.24	24547089.16
3:44 PM	17378008.29	72.4	17378008.29	72.4	17378008.29	20892961.31
3:45 PM	20892961.31	73.2	20892961.31	73.2	20892961.31	32359365.69
3:46 PM	21379620.90	73.3	21379620.90	73.3	21379620.90	25118864.32
3:47 PM	21379620.90	73.3	21379620.90	73.3	21379620.90	24547089.16
3:48 PM	20892961.31	73.2	20892961.31	73.2	20892961.31	24547089.16
3:49 PM	20892961.31	73.2	20892961.31	73.2	20892961.31	24547089.16
3:50 PM	14791083.88	71.7	14791083.88	71.7	14791083.88	18197008.59
3:51 PM	13489628.83	71.3	13489628.83	71.3	13489628.83	14791083.88
3:52 PM	12589254.12	71	12589254.12	71.0	12589254.12	14125375.45
3:53 PM	10471285.48	70.2	10471285.48	70.		

Data

1:41:00	1:41:00	61.8	82.8	65.5	59.9	4:51 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	3548133.89
1:42:00	1:42:00	62.9	87.1	65.7	60.8	4:52 PM	1949844.60	62.9	1949844.60	62.9	1949844.60	3715352.29
1:43:00	1:43:00	61.4	85.4	67	60.4	4:53 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	5011872.34
1:44:00	1:44:00	62.8	78.5	64.9	61.5	4:54 PM	1905460.72	62.8	1905460.72	62.8	1905460.72	3090295.43
1:45:00	1:45:00	62.7	78.3	64.7	61.5	4:55 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	2951209.23
1:46:00	1:46:00	66.2	85.7	72.3	61.2	4:56 PM	4168693.83	66.2	4168693.83	66.2	4168693.83	16982436.52
1:47:00	1:47:00	63	83.7	67.5	60.9	4:57 PM	1995262.31	63	1995262.31	63.0	1995262.31	5623413.25
1:48:00	1:48:00	61.5	77.4	63.6	60.2	4:58 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	2290867.65
1:49:00	1:49:00	62.3	80.4	65.3	60.5	4:59 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	3388441.56
1:50:00	1:50:00	63.2	82.6	67.5	61.1	5:00 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	5623413.25
1:51:00	1:51:00	62.1	85	65.1	60.5	5:01 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	3235936.57
1:52:00	1:52:00	66	87.4	71.7	61.1	5:02 PM	3981071.71	66	3981071.71	66.0	3981071.71	14791083.88
1:53:00	1:53:00	62.5	87.4	64.9	60.4	5:03 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	3090295.43
1:54:00	1:54:00	61.7	80.7	64.7	60.5	5:04 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	2951209.23
1:55:00	1:55:00	61.5	75.6	63.1	60.9	5:05 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	2041737.94
1:56:00	1:56:00	62.7	88.5	65.8	60.6	5:06 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	3801893.96
1:57:00	1:57:00	63	84.3	68.9	60.6	5:07 PM	1995262.31	63	1995262.31	63.0	1995262.31	7762471.17
1:58:00	1:58:00	62	78.9	64.1	60.8	5:08 PM	1584893.19	62	1584893.19	62.0	1584893.19	2570395.78
1:59:00	1:59:00	62.8	80.7	66.3	60.9	5:09 PM	1905460.72	62.8	1905460.72	62.8	1905460.72	4265795.19
2:00:00	2:00:00	64.5	86.5	70.5	61.1	5:10 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	11220184.54
2:01:00	2:01:00	63.4	86.5	66.3	61.4	5:11 PM	2187761.62	63.4	2187761.62	63.4	2187761.62	4265795.19
2:02:00	2:02:00	64.7	86.5	69.2	61.6	5:12 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	8317637.71
2:03:00	2:03:00	63.2	81.4	68.8	60.4	5:13 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	7585775.75
2:04:00	2:04:00	61.8	88	64.9	60.3	5:14 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	3090295.43
2:05:00	2:05:00	61.5	81.6	63.7	60.2	5:15 PM	1380384.26	61.5	1380384.26	61.4	1380384.26	2344228.82
2:06:00	2:06:00	64.2	83	67.2	61	5:16 PM	2630267.99	64.2	2630267.99	64.2	2630267.99	5248074.60
2:07:00	2:07:00	62.6	83.8	68.1	61.1	5:17 PM	1819700.86	62.6	1819700.86	62.6	1819700.86	6456542.29
2:08:00	2:08:00	62.4	80.4	64.5	60.6	5:18 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	2818382.93
2:09:00	2:09:00	63.3	80	66.3	60.6	5:19 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	4265795.19
2:10:00	2:10:00	61.9	77.5	63.4	60.8	5:20 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	2187761.62
2:11:00	2:11:00	61.4	77.4	64.3	60.4	5:21 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	2691534.80
2:12:00	2:12:00	62.4	77	64.5	60.7	5:22 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	2818382.93
2:13:00	2:13:00	61.6	82.7	63.7	60.5	5:23 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	2344228.82
2:14:00	2:14:00	63.2	88.2	67.7	61.5	5:24 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	5888436.55
2:15:00	2:15:00	61.9	76.3	63.3	61.1	5:25 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	2137962.09
2:16:00	2:16:00	63.6	91.6	67	61.9	5:26 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	5011872.34
2:17:00	2:17:00	62.1	82.9	64.8	60.8	5:27 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	3019951.72
2:18:00	2:18:00	63.1	91.2	67.7	61	5:28 PM	2041737.94	63.1	2041737.94	63.1	2041737.94	5888436.55
2:19:00	2:19:00	62.7	83	68.3	60.8	5:29 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	6760829.75
2:20:00	2:20:00	64.5	89.8	69.7	61.7	5:30 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	9332543.01
2:21:00	2:21:00	63.9	83.9	68.8	61.1	5:31 PM	2454708.92	63.9	2454708.92	63.9	2454708.92	7585775.75
2:22:00	2:22:00	61.8	80.6	63.6	60.4	5:32 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	2290867.65
2:23:00	2:23:00	61.9	77.3	63.4	61.2	5:33 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	2187761.62
2:24:00	2:24:00	62.3	77.6	65	60.7	5:34 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	3162277.66
2:25:00	2:25:00	61.9	87.5	64.8	60.6	5:35 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	3019951.72
2:26:00	2:26:00	62.5	87.8	67	61.2	5:36 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	5011872.34
2:27:00	2:27:00	66.3	95.7	71.9	61.4	5:37 PM	4265795.19	66.3	4265795.19	66.3	4265795.19	15488166.19
2:28:00	2:28:00	62.3	79.1	65.6	60.5	5:38 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	3630780.55
2:29:00	2:29:00	61.8	89.8	65.6	60.3	5:39 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	3630780.55
2:30:00	2:30:00	62.1	78.6	64.9	60.8	5:40 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	3090295.43
2:31:00	2:31:00	62.6	79.7	67.7	60.9	5:41 PM	1819700.86	62.6	1819700.86	62.6	1819700.86	5888436.55
2:32:00	2:32:00	62.7	87	65.4	61.6	5:42 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	3467368.50
2:33:00	2:33:00	64.4	83.1	69.1	60.5	5:43 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	8128305.16
2:34:00	2:34:00	62.4	79.8	66	60.4	5:44 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	3981071.71
2:35:00	2:35:00	61.5	89.7	66.9	60.3	5:45 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	4897788.19
2:36:00	2:36:00	62	83.2	65.2	60.2	5:46 PM	1584893.19	62	1584893.19	62.0	1584893.19	3311311.21
2:37:00	2:37:00	63.5	100.4	72.8	60.9	5:47 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	19054607.18
2:38:00	2:38:00	63.1	94.8	68.1	60.7	5:48 PM	2041737.94	63.1	2041737.94	63.1	2041737.94	6456542.29
2:39:00	2:39:00	61.2	76.4	62.8	60.2	5:49 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	1905460.72
2:40:00	2:40:00	63.6	82.1	67.5	61.1	5:50 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	5623413.25
2:41:00	2:41:00	64	82.8	67.5	62.1	5:51 PM	2511886.43	64	2511886.43	64.0	2511886.43	5623413.25
2:42:00	2:42:00	62	84.9	64.2	60.6	5:52 PM	1584893.19	62	1584893.19	62.0	1584893.19	2630267.99
2:43:00	2:43:00	69	95.5	81.6	60.9	5:53 PM	7943282.35	69	7943282.35	69.0	7943282.35	14454397.07
2:44:00	2:44:00	62.8	81.3	65.6	61.3	5:54 PM	1905460.72	62.8	1905460.72	62.8	1905460.72	3630780.55
2:45:00	2:45:00	63.1	95.8	69.9	61	5:55 PM	2041737.94	63.1	2041737.94	63.1	2041737.94	9772372.21
2:46:00	2:46:00	62.4	97.4	70.7	60.7	5:56 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	11748975.55
2:47:00	2:47:00	62.2	78.7	66.4	60.7	5:57 PM	1659586.91	62.2	1659586.91	62.2	1659586.91	4365158.32
2:48:00	2:48:00	62.6	92.9	68.5	60.5	5:58 PM	1819700.86	62.6	1819700.86	62.6	1819700.86	7079457.84
2:49:00	2:49:00	62.5	96.6	67.6	60.9	5:59 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	5754399.37
2:50:00	2:50:00	62.4	81.7	66.3	60.4	6:00 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	4265795.19
2:51:00	2:51:00	61.4	77.2	64.4	60.6	6:01 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	2754228.70
2:52:00	2:52:00	66.6	86.3	74.2	61.2	6:02 PM	4570881.90	66.6	4570881.90	66.6	4570881.90	26302679.92
2:53:00	2:53:00	61.4	77.1	63.3	60.5	6:03 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	2137962.09
2:54:00	2:54:00	61.5	77.3	63.2	60.3	6:04 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	2089296.13
2:55:00	2:55:00	61.7	83	63.5	60.7	6:05 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	2238721.14
2:56:00	2:56:00	63.7	84.3	71.8	61	6:06 PM	2344228.82	63.7	2344228.82	63.7	2344228.82	15135612.48
2:57:00	2:57:00	61.6	78.9	63.8	60.5	6:07 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	2398832.92
2:58:00	2:58:00	62.9	85.2	72.4	60.4	6:08 PM	1949844.60	62.9	1949844.60	62.9	1949844.60	17378008.29
2:59:00	2:59:00	62	81	65.7	60.5	6:09 PM	1584893.19	62	1584893.19	62.0	1584893.19	3715352.29
3:00:00	3:00:00	63.5	87.9	67.3	61.4	6:10 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	5370371.96
3:01:00	3:01:00</											

Data

3:26:00	3:26:00	61.8	78	64.8	60.6	6:36 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	3019951.72
3:27:00	3:27:00	61.5	85.2	63.7	60.6	6:37 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	2344228.82
3:28:00	3:28:00	62.1	77.1	63.7	61.2	6:38 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	2344228.82
3:29:00	3:29:00	61.5	75.9	63.3	60.2	6:39 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	2137962.09
3:30:00	3:30:00	62.1	80.5	64.9	60.4	6:40 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	3090295.43
3:31:00	3:31:00	63.3	94.1	67.8	60.9	6:41 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	6025595.86
3:32:00	3:32:00	62.5	90.5	65.6	60.8	6:42 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	3630780.55
3:33:00	3:33:00	62.1	84.1	64.3	60.7	6:43 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	2691534.80
3:34:00	3:34:00	62.6	79.6	65.1	61	6:44 PM	1819700.86	62.6	1819700.86	62.6	1819700.86	3235936.57
3:35:00	3:35:00	61.8	76.7	63.6	60.3	6:45 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	2290867.65
3:36:00	3:36:00	60.8	78	62.1	60	6:46 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	1621810.10
3:37:00	3:37:00	62.8	80.7	67.8	60.1	6:47 PM	1905460.72	62.8	1905460.72	62.8	1905460.72	6025595.86
3:38:00	3:38:00	61.9	77.8	65.1	60.3	6:48 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	3235936.57
3:39:00	3:39:00	61.6	76.6	63.7	60.2	6:49 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	2344228.82
3:40:00	3:40:00	62.7	85.4	72.5	59.8	6:50 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	17782794.10
3:41:00	3:41:00	60.7	75.8	62.8	59.8	6:51 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	1905460.72
3:42:00	3:42:00	61.1	78.1	64.5	59.7	6:52 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	2818382.93
3:43:00	3:43:00	60.7	78.7	65.2	59.9	6:53 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	3311311.21
3:44:00	3:44:00	62.8	80.7	66.7	60	6:54 PM	1905460.72	62.8	1905460.72	62.8	1905460.72	4677351.41
3:45:00	3:45:00	61.4	82.2	62.2	60.7	6:55 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	1659586.91
3:46:00	3:46:00	61.7	88.1	64.7	60.3	6:56 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	2951209.23
3:47:00	3:47:00	65.8	88.5	73.4	60.3	6:57 PM	3801893.96	65.8	3801893.96	65.8	3801893.96	21877616.24
3:48:00	3:48:00	61.2	79.3	63.4	60.1	6:58 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	21877616.24
3:49:00	3:49:00	61.5	78.5	63.8	60.1	6:59 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	2398832.92
3:50:00	3:50:00	66.2	101.3	73.7	60.5	7:00 PM	4168693.83	71.2	13182567.39	66.2	4168693.83	23442288.15
3:51:00	3:51:00	60.4	74.5	62	59.8	7:01 PM	1096478.20	65.4	3467368.50	60.4	1096478.20	1584893.19
3:52:00	3:52:00	61.2	78	64.1	59.8	7:02 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	2570395.78
3:53:00	3:53:00	61.3	81.6	63.5	59.8	7:03 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	2238721.14
3:54:00	3:54:00	61.5	80.6	66.4	59.9	7:04 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	4365158.32
3:55:00	3:55:00	60.7	76	63.5	59.8	7:05 PM	1174897.55	65.7	3715352.29	60.7	1174897.55	2238721.14
3:56:00	3:56:00	60.8	76	63.1	59.9	7:06 PM	1202264.43	65.8	3801893.96	60.8	1202264.43	2041737.94
3:57:00	3:57:00	61.7	77.9	66.5	60	7:07 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	4466835.92
3:58:00	3:58:00	61.1	79.3	62.8	60.3	7:08 PM	1288249.55	66.1	4073802.78	61.1	1288249.55	1905460.72
3:59:00	3:59:00	62.2	85	72.7	60.3	7:09 PM	2089296.13	68.2	6606934.48	63.2	2089296.13	18620871.37
4:00:00	4:00:00	62.8	99.9	72.3	60.1	7:10 PM	1905460.72	67.8	6025595.86	62.8	1905460.72	16982436.52
4:01:00	4:01:00	61.1	81.3	64.7	60	7:11 PM	1288249.55	66.1	4073802.78	61.1	1288249.55	2951209.23
4:02:00	4:02:00	63.9	87.2	70.9	60.8	7:12 PM	2454708.92	68.9	7762471.17	63.9	2454708.92	12302687.71
4:03:00	4:03:00	62.9	79.7	67.4	61.3	7:13 PM	1949844.60	67.9	6165950.02	62.9	1949844.60	5495408.74
4:04:00	4:04:00	62.1	77.1	64.7	61	7:14 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2951209.23
4:05:00	4:05:00	61.4	76.2	63.4	60.4	7:15 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	21877616.24
4:06:00	4:06:00	61.9	77.5	63.2	60.8	7:16 PM	1548816.62	66.9	4897788.19	61.9	1548816.62	2089296.13
4:07:00	4:07:00	61.7	80.7	64.4	60.6	7:17 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	2754228.70
4:08:00	4:08:00	61.4	86.6	63.9	60.5	7:18 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	2454708.92
4:09:00	4:09:00	61.3	77	63.6	60.5	7:19 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	2290867.65
4:10:00	4:10:00	62	77.6	63.6	61.3	7:20 PM	1584893.19	67	5011872.34	62.0	1584893.19	2290867.65
4:11:00	4:11:00	63.5	82.4	68	61.6	7:21 PM	2238721.14	68.5	7079457.84	63.5	2238721.14	6309573.44
4:12:00	4:12:00	62.6	78.5	64.9	61.3	7:22 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	3090295.43
4:13:00	4:13:00	62.4	82.9	63.8	61.3	7:23 PM	1737800.83	67.4	5495408.74	62.4	1737800.83	2398832.92
4:14:00	4:14:00	62	77.5	64.8	61	7:24 PM	1584893.19	67	5011872.34	62.0	1584893.19	3019951.72
4:15:00	4:15:00	62.3	76.6	64.3	61.1	7:25 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	2691534.80
4:16:00	4:16:00	61.8	78.5	63.3	61.2	7:26 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	2137962.09
4:17:00	4:17:00	62.5	78.1	65.6	61.4	7:27 PM	1778279.41	67.5	5623413.25	62.5	1778279.41	3630780.55
4:18:00	4:18:00	63.8	84	72.9	61.2	7:28 PM	2398832.92	68.8	7585775.75	63.8	2398832.92	1949844.60
4:19:00	4:19:00	62.1	76.8	63	60.9	7:29 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	1995262.31
4:20:00	4:20:00	61.8	78.7	64.1	60.9	7:30 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	2570395.78
4:21:00	4:21:00	61.9	76.1	63.7	60.9	7:31 PM	1548816.62	66.9	4897788.19	61.9	1548816.62	2344228.82
4:22:00	4:22:00	62.9	80.3	65.5	61.1	7:32 PM	1949844.60	67.9	6165950.02	62.9	1949844.60	3548133.89
4:23:00	4:23:00	61.5	78.2	63.2	60.5	7:33 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	2089296.13
4:24:00	4:24:00	62.1	82.3	66.4	60.6	7:34 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	4365158.32
4:25:00	4:25:00	61.5	76.2	62.7	60.7	7:35 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1862087.14
4:26:00	4:26:00	61.8	75.9	63.1	61.1	7:36 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	2041737.94
4:27:00	4:27:00	62.3	79.9	65.7	60.9	7:37 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	3715352.29
4:28:00	4:28:00	62	82.3	63.6	61.2	7:38 PM	1584893.19	67	5011872.34	62.0	1584893.19	2290867.65
4:29:00	4:29:00	62.1	77.2	64.1	60.9	7:39 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2570395.78
4:30:00	4:30:00	62.7	79.8	66.4	60.9	7:40 PM	1862087.14	67.7	5888436.55	62.7	1862087.14	4365158.32
4:31:00	4:31:00	61.8	76.2	64.8	61	7:41 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	3019951.72
4:32:00	4:32:00	62.7	79	65.1	61.5	7:42 PM	1862087.14	67.7	5888436.55	62.7	1862087.14	3235936.57
4:33:00	4:33:00	62.1	77.4	64.2	60.7	7:43 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2630267.99
4:34:00	4:34:00	62.3	77.1	64	60.9	7:44 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	2511886.43
4:35:00	4:35:00	62	80.3	64.9	60.5	7:45 PM	1584893.19	67	5011872.34	62.0	1584893.19	3090295.43
4:36:00	4:36:00	62.6	99.8	68.2	61.6	7:46 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	6606934.48
4:37:00	4:37:00	62	78.4	64.8	60.8	7:47 PM	1584893.19	67	5011872.34	62.0	1584893.19	3019951.72
4:38:00	4:38:00	61.5	77.6	64.6	60.5	7:48 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	2884031.50
4:39:00	4:39:00	62.6	79	64.8	61.3	7:49 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	3019951.72
4:40:00	4:40:00	62.3	80.2	64.4	60.8	7:50 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	2754228.70
4:41:00	4:41:00	61.5	77.5	62.7	60.8	7:51 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1862087.14
4:42:00	4:42:00	62.4	77.8	64.2	61.2	7:52 PM	1737800.83	67.4	5495408.74	62.4	1737800.83	2630267.99
4:43:00	4:43:00	62.3	79.8	64.7	60.7	7:53 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	2951209.23
4:44:00	4:44:00	62.4	79.8	65.2	61.5	7:54 PM	1737800.83	67.4	5495408.74	62.4	1737800.83	3311311.21
4:45:00	4:45:00	62.7	78.6	64.7	61.2	7:55 PM	1862087.14	67.7	5888436.55	62.7	1862087.14	2951209.23
4:46:00	4											

Data

5:11:00	5:11:00	61.3	76.2	62.3	60.7	8:21 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	1698243.65
5:12:00	5:12:00	62.8	81.3	66.1	61.6	8:22 PM	1905460.72	67.8	6025595.86	62.8	1905460.72	4073802.78
5:13:00	5:13:00	67	88.1	74.8	61.2	8:23 PM	5011872.34	72	15848931.92	67.0	5011872.34	30199517.20
5:14:00	5:14:00	63	82.3	67.1	61.1	8:24 PM	1995262.31	68	6309573.44	63.0	1995262.31	5128613.84
5:15:00	5:15:00	62.1	77.8	64.7	60.4	8:25 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2951209.23
5:16:00	5:16:00	61.9	76.9	63.9	61.1	8:26 PM	1548816.62	66.9	4897788.19	61.9	1548816.62	2454708.92
5:17:00	5:17:00	61.8	79	64.9	60.3	8:27 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	3090295.43
5:18:00	5:18:00	62.6	77.7	65	61.4	8:28 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	3162277.66
5:19:00	5:19:00	62.3	77.3	64.9	61	8:29 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	3090295.43
5:20:00	5:20:00	64.8	85.5	72.8	61.1	8:30 PM	3019951.72	69.8	9549925.86	64.8	3019951.72	19054607.19
5:21:00	5:21:00	62.4	80.2	65.9	61.1	8:31 PM	1737800.83	67.4	5495408.74	62.4	1737800.83	3890451.45
5:22:00	5:22:00	63.2	83	66.3	61.7	8:32 PM	2089296.13	68.2	6606934.48	63.2	2089296.13	4265795.19
5:23:00	5:23:00	61.9	78.2	64.7	60.2	8:33 PM	1548816.62	66.9	4897788.19	61.9	1548816.62	2951209.23
5:24:00	5:24:00	62.5	81.4	66.4	60.5	8:34 PM	1778279.41	67.5	5623413.25	62.5	1778279.41	4365158.32
5:25:00	5:25:00	67.7	89.7	75.9	61.6	8:35 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	38904514.50
5:26:00	5:26:00	62.3	82.5	68	60.5	8:36 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	6309573.44
5:27:00	5:27:00	61.7	80.4	63.3	60.5	8:37 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	2137962.09
5:28:00	5:28:00	62.3	79.4	64.9	60.8	8:38 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	3090295.43
5:29:00	5:29:00	62.1	82.2	64.9	60.8	8:39 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	3090295.43
5:30:00	5:30:00	62.7	82.7	65.8	61.1	8:40 PM	1862087.14	67.7	5888436.55	62.7	1862087.14	3801893.96
5:31:00	5:31:00	62.1	76.7	64.1	60.8	8:41 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2570395.78
5:32:00	5:32:00	65.4	84.7	71	61.4	8:42 PM	3467368.50	70.4	10964781.96	65.4	3467368.50	12589254.12
5:33:00	5:33:00	62	76.9	63.6	60.8	8:43 PM	1584893.19	67	5011872.34	62.0	1584893.19	2290867.65
5:34:00	5:34:00	65.2	86.6	71.2	61.3	8:44 PM	3311311.21	70.2	10471285.48	65.2	3311311.21	13182567.39
5:35:00	5:35:00	68.7	88.6	75.5	62.1	8:45 PM	7413102.41	73.7	23442288.15	68.7	7413102.41	35481338.92
5:36:00	5:36:00	64.6	88.6	68.3	61.1	8:46 PM	2884031.50	69.6	9120108.39	64.6	2884031.50	6760829.75
5:37:00	5:37:00	65	84.1	71.2	61.5	8:47 PM	3162277.66	70	10000000.00	65.0	3162277.66	13182567.39
5:38:00	5:38:00	63	79	65.8	61.7	8:48 PM	1995262.31	68	6309573.44	63.0	1995262.31	3801893.96
5:39:00	5:39:00	67.2	90.3	73.7	62.8	8:49 PM	5248074.60	72.2	16595869.07	67.2	5248074.60	23442288.15
5:40:00	5:40:00	62.6	77.6	64.8	61.4	8:50 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	3019951.72
5:41:00	5:41:00	62.2	77.3	64.3	61.1	8:51 PM	1659586.91	67.2	5248074.60	62.2	1659586.91	2691534.80
5:42:00	5:42:00	64.9	83.6	68.5	62.1	8:52 PM	3090295.43	69.9	9772372.21	64.9	3090295.43	7079457.84
5:43:00	5:43:00	62.1	83.6	65.4	61.1	8:53 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	3467368.50
5:44:00	5:44:00	62	80.7	63.8	60.4	8:54 PM	1584893.19	67	5011872.34	62.0	1584893.19	2398832.93
5:45:00	5:45:00	61.8	77.6	64.5	60.4	8:55 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	2818382.93
5:46:00	5:46:00	61.1	78.3	62.8	60.2	8:56 PM	1288249.55	66.1	4073802.78	61.1	1288249.55	1905460.72
5:47:00	5:47:00	61.4	76.4	63	60.5	8:57 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	1995262.31
5:48:00	5:48:00	61.7	77	63.4	60.7	8:58 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	2187761.62
5:49:00	5:49:00	62.6	84.4	67.2	61.1	8:59 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	5248074.60
5:50:00	5:50:00	62.2	79.2	65.2	60.7	9:00 PM	1659586.91	67.2	5248074.60	62.2	1659586.91	3311311.21
5:51:00	5:51:00	61.2	77	64.3	60.4	9:01 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	2691534.80
5:52:00	5:52:00	61.5	79.8	63.1	60.1	9:02 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	2041737.94
5:53:00	5:53:00	60.6	75.8	62.9	59.8	9:03 PM	1148153.62	65.6	3630780.55	60.6	1148153.62	1949844.60
5:54:00	5:54:00	60.5	75.1	62	59.8	9:04 PM	1122018.45	65.5	3548133.89	60.5	1122018.45	1584893.19
5:55:00	5:55:00	61.5	76.1	62.9	60.2	9:05 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1949844.60
5:56:00	5:56:00	60.1	75.9	61.9	59.5	9:06 PM	1023292.99	65.1	3235936.57	60.1	1023292.99	1548816.62
5:57:00	5:57:00	60.4	75.2	61.6	59.7	9:07 PM	1096478.20	65.4	3467368.50	60.4	1096478.20	1445439.77
5:58:00	5:58:00	62.1	83.2	66.1	59.8	9:08 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	4073802.78
5:59:00	5:59:00	60.6	75.5	62.8	59.9	9:09 PM	1148153.62	65.6	3630780.55	60.6	1148153.62	1905460.72
6:00:00	6:00:00	62.3	84.3	66.2	60	9:10 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	4168693.83
6:01:00	6:01:00	61.2	80.5	64.2	59.7	9:11 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	2630267.99
6:02:00	6:02:00	61.5	80.4	64.6	60.6	9:12 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	2884031.50
6:03:00	6:03:00	62.1	79	65.2	60.5	9:13 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	3311311.21
6:04:00	6:04:00	61.8	87.7	65.5	60.8	9:14 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	3548133.89
6:05:00	6:05:00	62.1	79.8	65.5	60.9	9:15 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	3548133.89
6:06:00	6:06:00	63.7	82.7	68.6	61.5	9:16 PM	2344228.82	68.7	7413102.41	63.7	2344228.82	7244359.60
6:07:00	6:07:00	62.6	84.1	66.6	60.4	9:17 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	4570881.90
6:08:00	6:08:00	61.5	80.9	65.9	60.7	9:18 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	3890451.45
6:09:00	6:09:00	62.2	77.4	64.5	60.7	9:19 PM	1659586.91	67.2	5248074.60	62.2	1659586.91	2818382.93
6:10:00	6:10:00	61.6	77.2	63.4	60.1	9:20 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	2187761.62
6:11:00	6:11:00	61.3	79.1	63.2	60.3	9:21 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	2089296.13
6:12:00	6:12:00	62.2	78.7	66.4	61	9:22 PM	1659586.91	67.2	5248074.60	62.2	1659586.91	4365158.32
6:13:00	6:13:00	62.3	78.2	64.6	61	9:23 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	2884031.50
6:14:00	6:14:00	62.6	79	64.9	61	9:24 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	3090295.43
6:15:00	6:15:00	61.8	78.1	65.5	60.7	9:25 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	3548133.89
6:16:00	6:16:00	63	79.6	67.1	61.6	9:26 PM	1995262.31	68	6309573.44	63.0	1995262.31	5128613.84
6:17:00	6:17:00	62.1	79.4	64.6	60	9:27 PM	1621810.10	67.1	5128613.84	62.1	1621810.10	2884031.50
6:18:00	6:18:00	61.2	81	62.3	60.5	9:28 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	1698243.65
6:19:00	6:19:00	61.4	75.8	62.8	60.6	9:29 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	1905460.72
6:20:00	6:20:00	61.8	76.6	63.3	60.7	9:30 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	2137962.09
6:21:00	6:21:00	61.7	76.7	63.2	60.6	9:31 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	2089296.13
6:22:00	6:22:00	61.8	77.1	65.6	60.7	9:32 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	3630780.55
6:23:00	6:23:00	60.7	77.4	63.7	59.6	9:33 PM	1174897.55	65.7	3715352.29	60.7	1174897.55	2344228.82
6:24:00	6:24:00	61.1	79.8	62.8	60.1	9:34 PM	1288249.55	66.1	4073802.78	61.1	1288249.55	1905460.72
6:25:00	6:25:00	61	77.2	63.5	59.9	9:35 PM	1258925.41	66	3981071.71	61.0	1258925.41	2238721.14
6:26:00	6:26:00	60.5	75.4	61.2	59.9	9:36 PM	1122018.45	65.5	3548133.89	60.5	1122018.45	1318256.74
6:27:00	6:27:00	61	75	62.3	60.1	9:37 PM	1258925.41	66	3981071.71	61.0	1258925.41	1698243.65
6:28:00	6:28:00	60.6	77.5	64	59.6	9:38 PM	1148153.62	65.6	3630780.55	60.6	1148153.62	2511886.43
6:29:00	6:29:00	61.8	82.9	70.8	59.6	9:39 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	12022644.35
6:30:00	6:30:00	60.4	75.3	62.7	59.5	9:40 PM	1096478.20	65.4	3467368.50	60.4	1096478.20	1862087.14
6:31:00	6:31:00											

Data

6:56:00	6:56:00	61.6	81.2	65	60	10:06 PM	1445439.77	71.6	1445439.71	71.6	1445439.71	3162277.66
6:57:00	6:57:00	65.7	88	74.4	59.7	10:07 PM	3715352.29	75.7	3715352.91	75.7	3715352.91	27542287.03
6:58:00	6:58:00	60.7	78.2	63.9	59.4	10:08 PM	1174897.55	70.7	1174897.55	70.7	1174897.55	2454708.92
6:59:00	6:59:00	60.6	75.6	61.7	59.9	10:09 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1479108.39
7:00:00	7:00:00	61	77	63.7	59.7	10:10 PM	1258925.41	71	1258925.42	71.0	1258925.42	2344228.82
7:01:00	7:01:00	60.9	76.6	62.6	59.7	10:11 PM	1230268.77	70.9	1230268.71	70.9	1230268.71	1819700.86
7:02:00	7:02:00	60.1	74.2	61.1	59.3	10:12 PM	1023292.99	70.1	1023292.92	70.1	1023292.92	1288249.55
7:03:00	7:03:00	60.1	74.7	60.5	59.7	10:13 PM	1023292.99	70.1	1023292.92	70.1	1023292.92	1122018.45
7:04:00	7:04:00	60.1	74.2	60.8	59.2	10:14 PM	1023292.99	70.1	1023292.92	70.1	1023292.92	1202264.43
7:05:00	7:05:00	62.1	81.3	68.5	59.9	10:15 PM	1621810.10	72.1	1621810.09	72.1	1621810.09	7079457.84
7:06:00	7:06:00	60.4	75.1	61.7	59.6	10:16 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1479108.39
7:07:00	7:07:00	60.5	76.9	63.4	59.7	10:17 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	2187761.62
7:08:00	7:08:00	60.6	74.3	62	59.9	10:18 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1584893.19
7:09:00	7:09:00	60.9	75.6	63.5	59.7	10:19 PM	1230268.77	70.9	1230268.71	70.9	1230268.71	2238721.14
7:10:00	7:10:00	60.7	74.8	61.7	59.9	10:20 PM	1174897.55	70.7	1174897.55	70.7	1174897.55	1479108.39
7:11:00	7:11:00	60.1	73.9	60.7	59.4	10:21 PM	1023292.99	70.1	1023292.92	70.1	1023292.92	1174897.55
7:12:00	7:12:00	60	74.5	60.6	59.5	10:22 PM	1000000.00	70	1000000.00	70.0	1000000.00	1148153.62
7:13:00	7:13:00	60.1	76.6	60.7	59.5	10:23 PM	1023292.99	70.1	1023292.92	70.1	1023292.92	1174897.55
7:14:00	7:14:00	60.7	78.7	63.4	59.3	10:24 PM	1174897.55	70.7	1174897.55	70.7	1174897.55	2187761.62
7:15:00	7:15:00	61.1	77.2	63.1	60.3	10:25 PM	1288249.55	71.1	12882495.52	71.1	12882495.52	2041737.94
7:16:00	7:16:00	60.6	75	61.9	59.8	10:26 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1548816.62
7:17:00	7:17:00	61.1	75.4	62.1	60.1	10:27 PM	1288249.55	71.1	12882495.52	71.1	12882495.52	1621810.10
7:18:00	7:18:00	68.5	100.3	79.8	60.9	10:28 PM	7079457.84	78.5	70794578.44	78.5	70794578.44	95499258.60
7:19:00	7:19:00	61.7	81.2	66.4	60.4	10:29 PM	1479108.39	71.7	14791083.88	71.7	14791083.88	4365158.32
7:20:00	7:20:00	60.9	77.1	63.1	60	10:30 PM	1230268.77	70.9	1230268.71	70.9	1230268.71	2041737.94
7:21:00	7:21:00	60.6	74.3	61	60.2	10:31 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1258925.41
7:22:00	7:22:00	60.7	80.4	63.3	59.7	10:32 PM	1174897.55	70.7	1174897.55	70.7	1174897.55	2137962.09
7:23:00	7:23:00	61.1	75.1	62.2	60	10:33 PM	1288249.55	71.1	12882495.52	71.1	12882495.52	1659586.91
7:24:00	7:24:00	60.6	74.2	61.2	59.9	10:34 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1318256.74
7:25:00	7:25:00	60.3	75.2	61.7	59.6	10:35 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1479108.39
7:26:00	7:26:00	60.5	75.6	63	59.7	10:36 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1995262.31
7:27:00	7:27:00	61.1	76.3	62.2	60.4	10:37 PM	1288249.55	71.1	12882495.52	71.1	12882495.52	1659586.91
7:28:00	7:28:00	61.1	77.2	64	60	10:38 PM	1288249.55	71.1	12882495.52	71.1	12882495.52	2511886.43
7:29:00	7:29:00	60.5	74.4	61.5	60	10:39 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1412537.54
7:30:00	7:30:00	60.8	74.9	61.8	60	10:40 PM	1202264.43	70.8	12022644.35	70.8	12022644.35	1513561.25
7:31:00	7:31:00	60.9	77.9	64.5	60.1	10:41 PM	1230268.77	70.9	1230268.71	70.9	1230268.71	2818382.93
7:32:00	7:32:00	60.9	75	61.9	60.3	10:42 PM	1230268.77	70.9	1230268.71	70.9	1230268.71	1548816.62
7:33:00	7:33:00	61	79.5	62.2	60.1	10:43 PM	1258925.41	71	1258925.42	71.0	1258925.42	1659586.91
7:34:00	7:34:00	61.7	80.2	64.7	60.2	10:44 PM	1479108.39	71.7	14791083.88	71.7	14791083.88	2951209.23
7:35:00	7:35:00	60.9	74.8	62.1	59.8	10:45 PM	1230268.77	70.9	1230268.71	70.9	1230268.71	1621810.10
7:36:00	7:36:00	61.2	75.9	63.6	60	10:46 PM	1318256.74	71.2	13182567.39	71.2	13182567.39	2290867.65
7:37:00	7:37:00	61.3	76.6	62.6	60.4	10:47 PM	1348962.88	71.3	13489628.83	71.3	13489628.83	1819700.86
7:38:00	7:38:00	61.3	76.8	63.7	60.1	10:48 PM	1348962.88	71.3	13489628.83	71.3	13489628.83	2344228.82
7:39:00	7:39:00	61.2	79.6	64.3	60.2	10:49 PM	1318256.74	71.2	13182567.39	71.2	13182567.39	2691534.80
7:40:00	7:40:00	60.8	75.5	61.9	60.2	10:50 PM	1202264.43	70.8	12022644.35	70.8	12022644.35	1548816.62
7:41:00	7:41:00	61.1	76.5	62.7	60.3	10:51 PM	1288249.55	71.1	12882495.52	71.1	12882495.52	1862087.14
7:42:00	7:42:00	61.5	78	63	60.4	10:52 PM	1412537.54	71.5	14125375.45	71.5	14125375.45	1995262.31
7:43:00	7:43:00	63.1	79.7	67.3	60.9	10:53 PM	2041737.94	73.1	20417379.45	73.1	20417379.45	5370317.96
7:44:00	7:44:00	60.8	77.5	64	59.7	10:54 PM	1202264.43	70.8	12022644.35	70.8	12022644.35	2511886.43
7:45:00	7:45:00	60.1	76.7	61.7	59.3	10:55 PM	1023292.99	70.1	1023292.92	70.1	1023292.92	1479108.39
7:46:00	7:46:00	60.8	75.6	62.2	60.1	10:56 PM	1202264.43	70.8	12022644.35	70.8	12022644.35	1659586.91
7:47:00	7:47:00	61.7	76.9	63.7	60.5	10:57 PM	1479108.39	71.7	14791083.88	71.7	14791083.88	2344228.82
7:48:00	7:48:00	61.4	83.6	63.5	60.3	10:58 PM	1380384.26	71.4	13803842.65	71.4	13803842.65	2238721.14
7:49:00	7:49:00	60.1	75	61.3	58.9	10:59 PM	1023292.99	70.1	1023292.92	70.1	1023292.92	1348962.88
7:50:00	7:50:00	59.8	73.8	60.7	59	11:00 PM	954992.59	69.8	9549925.86	69.8	9549925.86	1174897.55
7:51:00	7:51:00	60	73.9	60.6	59.6	11:01 PM	1000000.00	70	1000000.00	70.0	1000000.00	1148153.62
7:52:00	7:52:00	60	75.3	60.5	59.5	11:02 PM	1000000.00	70	1000000.00	70.0	1000000.00	1122018.45
7:53:00	7:53:00	61.1	75.7	63	59.8	11:03 PM	1288249.55	71.1	12882495.52	71.1	12882495.52	1995262.31
7:54:00	7:54:00	60.5	77.5	64.2	59.3	11:04 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	2630267.99
7:55:00	7:55:00	60.4	91.6	65	59.4	11:05 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	3162277.66
7:56:00	7:56:00	60.2	75.9	63.3	59.4	11:06 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	2137962.09
7:57:00	7:57:00	59.8	75.4	61.7	59	11:07 PM	954992.59	69.8	9549925.86	69.8	9549925.86	1479108.39
7:58:00	7:58:00	60.4	78.5	62.9	59.1	11:08 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1949844.60
7:59:00	7:59:00	60.2	74.9	62.3	59.3	11:09 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	1698243.65
8:00:00	8:00:00	60.1	75.4	62	59.3	11:10 PM	1023292.99	70.1	1023292.92	70.1	1023292.92	1584893.19
8:01:00	8:01:00	61.3	81.4	67.7	59.9	11:11 PM	1348962.88	71.3	13489628.83	71.3	13489628.83	5888436.55
8:02:00	8:02:00	60.5	80.8	62.1	59.5	11:12 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1621810.10
8:03:00	8:03:00	60.3	75	61.3	59.6	11:13 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1348962.88
8:04:00	8:04:00	60.9	88.9	64.9	59.9	11:14 PM	1230268.77	70.9	1230268.71	70.9	1230268.71	3090295.43
8:05:00	8:05:00	60.5	76.4	62	59.7	11:15 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1584893.19
8:06:00	8:06:00	60.2	74.7	61.2	59.6	11:16 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	1318256.74
8:07:00	8:07:00	60.4	74.5	61.3	59.7	11:17 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1348962.88
8:08:00	8:08:00	60.8	76.1	63.2	59.4	11:18 PM	1202264.43	70.8	12022644.35	70.8	12022644.35	2089296.13
8:09:00	8:09:00	60.5	77.1	64.2	59.6	11:19 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	2630267.99
8:10:00	8:10:00	59.7	73.6	60.4	58.9	11:20 PM	933254.30	69.7	9332543.01	69.7	9332543.01	1096478.20
8:11:00	8:11:00	59.9	74.2	60.4	58.9	11:21 PM	977237.22	69.9	9772372.21	69.9	9772372.21	1096478.20
8:12:00	8:12:00	60	76.9	62.7	59.2	11:22 PM	1000000.00	70	1000000.00	70.0	1000000.00	1862087.14
8:13:00	8:13:00	59.6	73.9	60.1	59.1	11:23 PM	912010.84	69.6	9120108.39	69.6	9120108.39	1023292.99
8:14:00	8:14:00	59.6	74.5	61.8	58.8	11:24 PM	912010.84	69.6	9120108.39	69.6	9120108.39	1513561.25
8:15:00	8:15:00											

				Data								
8:41:00	8:41:00	60.3	74.1	61.3	59.6	11:51 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1348962.88
8:42:00	8:42:00	65.8	85.6	72.8	59.6	11:52 PM	3801893.96	75.8	38018939.63	75.8	38018939.63	19054607.18
8:43:00	8:43:00	60.1	74.3	61.1	59.5	11:53 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1288249.55
8:44:00	8:44:00	60.5	79.8	64.7	59.4	11:54 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	2951209.23
8:45:00	8:45:00	59.7	74.5	60.2	59.1	11:55 PM	933254.30	69.7	9332543.01	69.7	9332543.01	1047128.55
8:46:00	8:46:00	59.6	74.1	60.1	59.1	11:56 PM	912010.84	69.6	9120108.39	69.6	9120108.39	1023292.99
8:47:00	8:47:00	60.1	76.3	60.9	59.2	11:57 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1230268.77
8:48:00	8:48:00	59.8	75.4	61.2	59.1	11:58 PM	954992.59	69.8	9549925.86	69.8	9549925.86	1318256.74
8:49:00	8:49:00	59.6	73.7	60.2	59.1	11:59 PM	912010.84	69.6	9120108.39	69.6	9120108.39	1047128.55
8:50:00	8:50:00	59.6	74.4	60.8	59.1	12:00 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1202264.43
8:51:00	8:51:00	59.8	78.4	64	58.9	12:01 AM	954992.59	69.8	9549925.86	69.8	9549925.86	2511886.43
8:52:00	8:52:00	59.8	77.9	61.9	59.2	12:02 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1548816.62
8:53:00	8:53:00	59.6	73.3	60.2	59.2	12:03 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1047128.55
8:54:00	8:54:00	60.3	77.2	62.7	59.1	12:04 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1862087.14
8:55:00	8:55:00	59.8	74.6	61.9	59	12:05 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1548816.62
8:56:00	8:56:00	59.8	73.8	60.4	59.2	12:06 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1096478.20
8:57:00	8:57:00	59.7	73.8	60.3	59.1	12:07 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1071519.31
8:58:00	8:58:00	60.1	74	60.8	59.6	12:08 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1202264.43
8:59:00	8:59:00	60.2	78.2	63.4	59.3	12:09 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	2187761.62
9:00:00	9:00:00	60.2	74.4	61.1	59.7	12:10 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1288249.55
9:01:00	9:01:00	60.3	75.5	61.7	59.6	12:11 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1479108.39
9:02:00	9:02:00	60.5	75.3	61.7	59.8	12:12 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1479108.39
9:03:00	9:03:00	60.4	75.4	61.9	59.5	12:13 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1548816.62
9:04:00	9:04:00	60.6	74.7	61.3	59.8	12:14 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1348962.88
9:05:00	9:05:00	60.7	75.3	61.4	60	12:15 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1380384.26
9:06:00	9:06:00	61.3	76.1	63	60.2	12:16 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1995262.31
9:07:00	9:07:00	60.5	75.5	61.7	59.7	12:17 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1479108.39
9:08:00	9:08:00	60.8	79.6	62	60.3	12:18 AM	1202264.43	70.8	12022644.35	70.8	12022644.35	1584893.19
9:09:00	9:09:00	60.7	74.4	61.8	59.8	12:19 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1513561.25
9:10:00	9:10:00	60.7	75.9	62.5	60.1	12:20 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1778279.41
9:11:00	9:11:00	60.5	80	63.8	59.3	12:21 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	2398832.92
9:12:00	9:12:00	60.1	74.7	60.8	59.5	12:22 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1202264.43
9:13:00	9:13:00	60.1	74.2	60.7	59.6	12:23 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1174897.55
9:14:00	9:14:00	60.1	74.6	61.3	59.5	12:24 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1348962.88
9:15:00	9:15:00	59.7	74.6	60.4	59	12:25 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1096478.20
9:16:00	9:16:00	59.5	73.5	60.4	58.9	12:26 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1096478.20
9:17:00	9:17:00	63.8	89.1	75	58.9	12:27 AM	2398832.92	73.8	23988329.19	73.8	23988329.19	31622776.60
9:18:00	9:18:00	59.5	74.2	60.1	58.9	12:28 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1023292.99
9:19:00	9:19:00	59.3	73.2	59.9	58.7	12:29 AM	851138.04	69.3	8511380.38	69.3	8511380.38	977237.22
9:20:00	9:20:00	59.5	74.4	60.2	58.8	12:30 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1047128.55
9:21:00	9:21:00	59.1	72.9	59.6	58.5	12:31 AM	812830.52	69.1	8128305.16	69.1	8128305.16	912010.84
9:22:00	9:22:00	58.9	74.1	59.4	58.5	12:32 AM	776247.12	68.9	7762471.17	68.9	7762471.17	870963.59
9:23:00	9:23:00	59.1	73.6	59.8	58.6	12:33 AM	812830.52	69.1	8128305.16	69.1	8128305.16	954992.59
9:24:00	9:24:00	59	73.3	59.3	58.6	12:34 AM	794328.23	69	7943282.35	69.0	7943282.35	851138.04
9:25:00	9:25:00	59.2	73	59.9	58.7	12:35 AM	831763.77	69.2	8317637.71	69.2	8317637.71	977237.22
9:26:00	9:26:00	59	72.4	59.5	58.6	12:36 AM	794328.23	69	7943282.35	69.0	7943282.35	891250.94
9:27:00	9:27:00	59.3	76.6	61.8	58.4	12:37 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1513561.25
9:28:00	9:28:00	59.2	73.9	59.8	58.9	12:38 AM	831763.77	69.2	8317637.71	69.2	8317637.71	954992.59
9:29:00	9:29:00	59.2	73.3	60.5	58.7	12:39 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1122018.45
9:30:00	9:30:00	59.1	73.7	60.4	58.6	12:40 AM	812830.52	69.1	8128305.16	69.1	8128305.16	1096478.20
9:31:00	9:31:00	59.1	73.3	59.6	58.6	12:41 AM	812830.52	69.1	8128305.16	69.1	8128305.16	912010.84
9:32:00	9:32:00	58.9	72.9	59.6	58.3	12:42 AM	776247.12	68.9	7762471.17	68.9	7762471.17	912010.84
9:33:00	9:33:00	59.2	74.1	60.6	58.6	12:43 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1148153.62
9:34:00	9:34:00	59.3	73.4	60.5	58.9	12:44 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1122018.45
9:35:00	9:35:00	59.1	73.3	60.7	58.5	12:45 AM	812830.52	69.1	8128305.16	69.1	8128305.16	1174897.55
9:36:00	9:36:00	59	72.5	59.6	58.7	12:46 AM	794328.23	69	7943282.35	69.0	7943282.35	912010.84
9:37:00	9:37:00	59.1	73.9	59.8	58.6	12:47 AM	812830.52	69.1	8128305.16	69.1	8128305.16	954992.59
9:38:00	9:38:00	59.2	73.9	59.9	58.7	12:48 AM	831763.77	69.2	8317637.71	69.2	8317637.71	977237.22
9:39:00	9:39:00	59.3	77.4	61.9	58.5	12:49 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1548816.62
9:40:00	9:40:00	59.1	73.9	59.5	58.7	12:50 AM	812830.52	69.1	8128305.16	69.1	8128305.16	891250.94
9:41:00	9:41:00	59.5	73.9	60.6	58.9	12:51 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1148153.62
9:42:00	9:42:00	59.2	72.9	60	58.8	12:52 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1000000.00
9:43:00	9:43:00	59.2	73	59.7	58.9	12:53 AM	831763.77	69.2	8317637.71	69.2	8317637.71	933254.30
9:44:00	9:44:00	59.2	72.9	59.6	58.8	12:54 AM	831763.77	69.2	8317637.71	69.2	8317637.71	912010.84
9:45:00	9:45:00	59.3	73.6	60.8	58.7	12:55 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1202264.43
9:46:00	9:46:00	59.2	73.5	59.9	58.8	12:56 AM	831763.77	69.2	8317637.71	69.2	8317637.71	977237.22
9:47:00	9:47:00	59.1	72.9	59.7	58.5	12:57 AM	812830.52	69.1	8128305.16	69.1	8128305.16	933254.30
9:48:00	9:48:00	59.3	73.1	60.1	58.7	12:58 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1023292.99
9:49:00	9:49:00	59.3	73.9	59.8	58.9	12:59 AM	851138.04	69.3	8511380.38	69.3	8511380.38	954992.59
9:50:00	9:50:00	59.2	74.6	59.8	58.8	1:00 AM	831763.77	69.2	8317637.71	69.2	8317637.71	954992.59
9:51:00	9:51:00	59.4	73.3	59.9	58.9	1:01 AM	870963.59	69.4	8709635.90	69.4	8709635.90	977237.22
9:52:00	9:52:00	59.6	73.9	60.2	59	1:02 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1047128.55
9:53:00	9:53:00	59.4	73.2	60	58.8	1:03 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1000000.00
9:54:00	9:54:00	59.3	73.6	60.7	58.7	1:04 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1174897.55
9:55:00	9:55:00	59.2	73.4	59.7	58.8	1:05 AM	831763.77	69.2	8317637.71	69.2	8317637.71	933254.30
9:56:00	9:56:00	59.5	75.1	61.6	58.7	1:06 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1445439.77
9:57:00	9:57:00	59.2	73.6	59.8	58.8	1:07 AM	831763.77	69.2	8317637.71	69.2	8317637.71	954992.59
9:58:00	9:58:00	59.3	73.8	59.7	58.9	1:08 AM	851138.04	69.3	8511380.38	69.3	8511380.38	933254.30
9:59:00	9:59:00	59	72.6	59.6	58.5	1:09 AM	794328.23	69	7943282.35	69.0	7943282.35	912010.84
10:00:00	10:00:00	59	73	59.5	58.6	1:10 AM	794328.23	69	7943282.35	69		

Data

10:26:00	10:26:00	59.4	73.2	60	58.8	1:36 AM	870963.59	69.4	870963.59	69.4	870963.59	1000000.00
10:27:00	10:27:00	59.2	73.4	59.7	58.8	1:37 AM	831763.77	69.2	831763.77	69.2	831763.77	932543.30
10:28:00	10:28:00	59.3	72.8	60.2	58.7	1:38 AM	851138.04	69.3	851138.04	69.3	851138.04	1047128.55
10:29:00	10:29:00	59.3	73	59.8	58.8	1:39 AM	851138.04	69.3	851138.04	69.3	851138.04	954992.59
10:30:00	10:30:00	59.2	73.8	60	58.7	1:40 AM	831763.77	69.2	831763.77	69.2	831763.77	1000000.00
10:31:00	10:31:00	59.2	73	59.6	58.6	1:41 AM	831763.77	69.2	831763.77	69.2	831763.77	912101.84
10:32:00	10:32:00	59.3	73.2	59.8	58.7	1:42 AM	851138.04	69.3	851138.04	69.3	851138.04	954992.59
10:33:00	10:33:00	59.6	75.3	62.5	58.9	1:43 AM	912010.84	69.6	912010.84	69.6	912010.84	1778279.41
10:34:00	10:34:00	59.4	73.9	60.4	58.7	1:44 AM	870963.59	69.4	870963.59	69.4	870963.59	1096478.20
10:35:00	10:35:00	59.4	73.6	60.2	58.8	1:45 AM	870963.59	69.4	870963.59	69.4	870963.59	1047128.55
10:36:00	10:36:00	59.3	73.2	59.9	58.8	1:46 AM	851138.04	69.3	851138.04	69.3	851138.04	977237.22
10:37:00	10:37:00	59.5	74	60.2	58.9	1:47 AM	891250.94	69.5	891250.94	69.5	891250.94	1047128.55
10:38:00	10:38:00	59.5	73.3	60.2	58.9	1:48 AM	891250.94	69.5	891250.94	69.5	891250.94	1047128.55
10:39:00	10:39:00	59.6	76	62.4	58.8	1:49 AM	912010.84	69.6	912010.84	69.6	912010.84	1737800.83
10:40:00	10:40:00	60	81.3	63.2	59.1	1:50 AM	1000000.00	70	1000000.00	70.0	1000000.00	2089296.13
10:41:00	10:41:00	59.8	73.5	60.5	59.3	1:51 AM	954992.59	69.8	954992.59	69.8	954992.59	1122018.45
10:42:00	10:42:00	60	75.3	60.8	59.3	1:52 AM	1000000.00	70	1000000.00	70.0	1000000.00	1202264.43
10:43:00	10:43:00	60.3	74.8	62.2	59.7	1:53 AM	1071519.31	70.3	1071519.31	70.3	1071519.31	1659586.91
10:44:00	10:44:00	60	73.8	60.8	59.5	1:54 AM	1000000.00	70	1000000.00	70.0	1000000.00	1202264.43
10:45:00	10:45:00	60.3	75.4	61.2	59.6	1:55 AM	1071519.31	70.3	1071519.31	70.3	1071519.31	1318256.74
10:46:00	10:46:00	59.6	75.9	61.9	59.2	1:56 AM	977237.22	69.9	977237.22	69.9	977237.22	1548816.62
10:47:00	10:47:00	59.5	73.1	60.2	58.9	1:57 AM	891250.94	69.5	891250.94	69.5	891250.94	1047128.55
10:48:00	10:48:00	59.6	74.3	60.5	59	1:58 AM	912010.84	69.6	912010.84	69.6	912010.84	1122018.45
10:49:00	10:49:00	59.6	80.3	61.7	58.8	1:59 AM	912010.84	69.6	912010.84	69.6	912010.84	1479108.39
10:50:00	10:50:00	60	78.6	65.1	58.7	2:00 AM	1000000.00	70	1000000.00	70.0	1000000.00	3235936.57
10:51:00	10:51:00	59.6	73.9	61	59.1	2:01 AM	912010.84	69.6	912010.84	69.6	912010.84	1258925.41
10:52:00	10:52:00	59.5	75.4	60.8	59.1	2:02 AM	891250.94	69.5	891250.94	69.5	891250.94	1202264.43
10:53:00	10:53:00	59.9	74.4	60.7	59.1	2:03 AM	977237.22	69.9	977237.22	69.9	977237.22	1174897.55
10:54:00	10:54:00	59.8	73.4	60.3	59.1	2:04 AM	954992.59	69.8	954992.59	69.8	954992.59	1071519.31
10:55:00	10:55:00	59.9	74.1	61.1	59.2	2:05 AM	977237.22	69.9	977237.22	69.9	977237.22	1288249.55
10:56:00	10:56:00	59.5	73.4	60.1	58.9	2:06 AM	891250.94	69.5	891250.94	69.5	891250.94	1023292.99
10:57:00	10:57:00	59.3	73.7	60.4	58.4	2:07 AM	851138.04	69.3	851138.04	69.3	851138.04	1096478.20
10:58:00	10:58:00	59.1	72.9	59.9	58.5	2:08 AM	812830.52	69.1	812830.52	69.1	812830.52	977237.22
10:59:00	10:59:00	59.3	73	60	58.6	2:09 AM	851138.04	69.3	851138.04	69.3	851138.04	1000000.00
11:00:00	11:00:00	59.3	73.2	60.1	58.8	2:10 AM	851138.04	69.3	851138.04	69.3	851138.04	1023292.99
11:01:00	11:01:00	59.8	78.1	62.4	58.9	2:11 AM	954992.59	69.8	954992.59	69.8	954992.59	1737800.83
11:02:00	11:02:00	59.9	74.6	62.6	59.2	2:12 AM	977237.22	69.9	977237.22	69.9	977237.22	1819700.86
11:03:00	11:03:00	59.6	73.4	60.2	58.9	2:13 AM	912010.84	69.6	912010.84	69.6	912010.84	1047128.55
11:04:00	11:04:00	59.7	75.2	60.1	59	2:14 AM	933254.30	69.7	933254.30	69.7	933254.30	1023292.99
11:05:00	11:05:00	59.5	72.9	60.1	59.2	2:15 AM	891250.94	69.5	891250.94	69.5	891250.94	1023292.99
11:06:00	11:06:00	59.3	73.5	59.9	58.8	2:16 AM	851138.04	69.3	851138.04	69.3	851138.04	977237.22
11:07:00	11:07:00	59.5	73.4	60.2	58.8	2:17 AM	891250.94	69.5	891250.94	69.5	891250.94	1047128.55
11:08:00	11:08:00	59.4	74.4	61.5	58.7	2:18 AM	870963.59	69.4	870963.59	69.4	870963.59	1412537.54
11:09:00	11:09:00	59.7	74.6	61.8	58.9	2:19 AM	933254.30	69.7	933254.30	69.7	933254.30	1513561.25
11:10:00	11:10:00	59.3	74	60.4	58.8	2:20 AM	851138.04	69.3	851138.04	69.3	851138.04	1096478.20
11:11:00	11:11:00	59.6	78.4	60.3	59	2:21 AM	912010.84	69.6	912010.84	69.6	912010.84	1071519.31
11:12:00	11:12:00	59.5	78	60	59	2:22 AM	891250.94	69.5	891250.94	69.5	891250.94	1000000.00
11:13:00	11:13:00	59.4	74.1	60.2	58.9	2:23 AM	870963.59	69.4	870963.59	69.4	870963.59	1047128.55
11:14:00	11:14:00	59.5	76.2	61.4	58.8	2:24 AM	891250.94	69.5	891250.94	69.5	891250.94	1380384.26
11:15:00	11:15:00	59.6	73.2	60.3	59	2:25 AM	912010.84	69.6	912010.84	69.6	912010.84	1071519.31
11:16:00	11:16:00	59.6	73.5	60.4	58.9	2:26 AM	912010.84	69.6	912010.84	69.6	912010.84	1096478.20
11:17:00	11:17:00	59.3	73.6	60.2	58.7	2:27 AM	851138.04	69.3	851138.04	69.3	851138.04	1047128.55
11:18:00	11:18:00	59	73	59.8	58.5	2:28 AM	7943282.35	69	7943282.35	69.0	7943282.35	954992.59
11:19:00	11:19:00	59.3	72.9	59.6	58.8	2:29 AM	851138.04	69.3	851138.04	69.3	851138.04	912010.84
11:20:00	11:20:00	59.3	73.9	60.7	58.7	2:30 AM	851138.04	69.3	851138.04	69.3	851138.04	1174897.55
11:21:00	11:21:00	59.9	73.6	60.6	59.3	2:31 AM	977237.22	69.9	977237.22	69.9	977237.22	1148153.62
11:22:00	11:22:00	60.5	81.2	65.6	58.9	2:32 AM	1122018.45	70.5	1122018.45	70.5	1122018.45	3630780.55
11:23:00	11:23:00	59.3	74.8	60.3	58.9	2:33 AM	851138.04	69.3	851138.04	69.3	851138.04	1071519.31
11:24:00	11:24:00	59.1	73	59.7	58.6	2:34 AM	812830.52	69.1	812830.52	69.1	812830.52	932543.30
11:25:00	11:25:00	59.4	73.4	60	58.8	2:35 AM	870963.59	69.4	870963.59	69.4	870963.59	1000000.00
11:26:00	11:26:00	59.6	74.1	60.3	59.1	2:36 AM	912010.84	69.6	912010.84	69.6	912010.84	1071519.31
11:27:00	11:27:00	59.3	73.6	60.1	58.9	2:37 AM	851138.04	69.3	851138.04	69.3	851138.04	1023292.99
11:28:00	11:28:00	60	77.4	64.9	58.9	2:38 AM	1000000.00	70	1000000.00	70.0	1000000.00	3090295.43
11:29:00	11:29:00	59.3	73.4	59.7	58.8	2:39 AM	851138.04	69.3	851138.04	69.3	851138.04	932543.30
11:30:00	11:30:00	59.3	73.6	60	58.8	2:40 AM	851138.04	69.3	851138.04	69.3	851138.04	1000000.00
11:31:00	11:31:00	60.1	78.9	64.2	59	2:41 AM	1023292.99	70.1	1023292.99	70.1	1023292.99	2630267.99
11:32:00	11:32:00	59.4	73.7	60.1	58.8	2:42 AM	870963.59	69.4	870963.59	69.4	870963.59	1023292.99
11:33:00	11:33:00	59.3	75.3	61	58.8	2:43 AM	851138.04	69.3	851138.04	69.3	851138.04	1258925.41
11:34:00	11:34:00	59.5	75.9	63.4	58.7	2:44 AM	891250.94	69.5	891250.94	69.5	891250.94	2187761.62
11:35:00	11:35:00	59.2	73.3	60.1	58.7	2:45 AM	831763.77	69.2	831763.77	69.2	831763.77	1023292.99
11:36:00	11:36:00	59.3	72.8	60.2	58.7	2:46 AM	851138.04	69.3	851138.04	69.3	851138.04	1047128.55
11:37:00	11:37:00	59	73.1	59.6	58.6	2:47 AM	7943282.35	69	7943282.35	69.0	7943282.35	912010.84
11:38:00	11:38:00	59.1	73.1	59.7	58.6	2:48 AM	812830.52	69.1	812830.52	69.1	812830.52	932543.30
11:39:00	11:39:00	59.3	72.9	60.2	58.8	2:49 AM	851138.04	69.3	851138.04	69.3	851138.04	1047128.55
11:40:00	11:40:00	59.3	74	60.1	58.7	2:50 AM	851138.04	69.3	851138.04	69.3	851138.04	1023292.99
11:41:00	11:41:00	59.6	77.4	64	58.4	2:51 AM	912010.84	69.6	912010.84	69.6	912010.84	2511886.43
11:42:00	11:42:00	59.3	73.3	60	58.8	2:52 AM	851138.04	69.3	851138.04	69.3	851138.04	1000000.00
11:43:00	11:43:00	59.2	79.8	60.4	58.5	2:53 AM	831763.77	69.2	831763.77	69.2	831763.77	1096478.20
11:44:00	11:44:00	59.8	82	63.5	58.9	2:54 AM	954992.59	69.8	954992.59	69.8	954992.59	2238721.14
11:45:00	11:45:00	59.7	75.4	62.1	59.2	2:55 AM	933254.30	69.7	933254.30	69.7	933254.30	1621810.10
11:46:00	11:46:00	59.5	73.4	60.1	59.1	2:56 AM	891250.94	69.5	891250			

Data				Data								
12:11:00	12:11:00	59.4	73.4	60.2	59	3:21 AM	8709635.59	69.4	8709635.90	69.4	8709635.90	1047128.55
12:12:00	12:12:00	60.4	98.3	67.7	58.7	3:22 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	5888436.55
12:13:00	12:13:00	59.5	73.8	60.6	58.9	3:23 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1148153.62
12:14:00	12:14:00	59.6	74.6	60.5	59	3:24 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1122018.45
12:15:00	12:15:00	59.7	73.6	60.5	59.1	3:25 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1122018.45
12:16:00	12:16:00	59.6	73.6	60.3	59.1	3:26 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1071519.31
12:17:00	12:17:00	59.5	74.1	60.2	58.9	3:27 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1047128.55
12:18:00	12:18:00	59.6	74.4	60.4	59.1	3:28 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1096478.20
12:19:00	12:19:00	59.2	73.2	59.7	58.8	3:29 AM	831763.77	69.2	8317637.71	69.2	8317637.71	933254.30
12:20:00	12:20:00	59.6	73.4	60.5	58.9	3:30 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1122018.45
12:21:00	12:21:00	59.9	74	60.5	59.3	3:31 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1122018.45
12:22:00	12:22:00	60.4	78.8	65.1	59.4	3:32 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	3235936.57
12:23:00	12:23:00	60.3	77.2	63.7	59.4	3:33 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	2344228.82
12:24:00	12:24:00	59.8	73.5	60.8	59.3	3:34 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1202264.43
12:25:00	12:25:00	59.5	74	60	59.1	3:35 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1000000.00
12:26:00	12:26:00	59.5	75.3	59.9	59	3:36 AM	891250.94	69.5	8912509.38	69.5	8912509.38	977237.22
12:27:00	12:27:00	59.7	75.9	61	59.1	3:37 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1258925.41
12:28:00	12:28:00	59.8	75.3	61.2	59.3	3:38 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1318256.74
12:29:00	12:29:00	59.7	73.7	60.4	59.2	3:39 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1096478.20
12:30:00	12:30:00	60.5	76.5	64.1	59.4	3:40 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	2570395.78
12:31:00	12:31:00	68.4	91.1	76.7	59.8	3:41 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	46773514.13
12:32:00	12:32:00	59.7	73.8	60.6	59	3:42 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1148153.62
12:33:00	12:33:00	59.3	74.2	59.8	58.8	3:43 AM	851138.04	69.3	8511380.38	69.3	8511380.38	954992.59
12:34:00	12:34:00	59.3	73.3	59.9	58.9	3:44 AM	851138.04	69.3	8511380.38	69.3	8511380.38	977237.22
12:35:00	12:35:00	59.4	73.1	60	58.8	3:45 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1000000.00
12:36:00	12:36:00	59.1	73.3	59.7	58.6	3:46 AM	812830.52	69.1	8128305.16	69.1	8128305.16	933254.30
12:37:00	12:37:00	59.2	73	59.6	58.8	3:47 AM	831763.77	69.2	8317637.71	69.2	8317637.71	912010.84
12:38:00	12:38:00	59.5	73	59.9	59	3:48 AM	891250.94	69.5	8912509.38	69.5	8912509.38	977237.22
12:39:00	12:39:00	59.5	73.9	60.2	59	3:49 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1047128.55
12:40:00	12:40:00	59.6	74.5	60.3	59.1	3:50 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1071519.31
12:41:00	12:41:00	59.2	72.9	59.7	58.7	3:51 AM	831763.77	69.2	8317637.71	69.2	8317637.71	933254.30
12:42:00	12:42:00	59.3	72.8	60	58.8	3:52 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1000000.00
12:43:00	12:43:00	59.2	73	59.8	58.7	3:53 AM	831763.77	69.2	8317637.71	69.2	8317637.71	954992.59
12:44:00	12:44:00	59.3	73.1	59.9	58.6	3:54 AM	851138.04	69.3	8511380.38	69.3	8511380.38	977237.22
12:45:00	12:45:00	59.3	73.4	59.8	58.9	3:55 AM	851138.04	69.3	8511380.38	69.3	8511380.38	954992.59
12:46:00	12:46:00	59.4	73.6	60	59	3:56 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1000000.00
12:47:00	12:47:00	59.6	73.6	59.9	59.2	3:57 AM	912010.84	69.6	9120108.39	69.6	9120108.39	977237.22
12:48:00	12:48:00	59.7	73.6	60.1	59.4	3:58 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1023292.99
12:49:00	12:49:00	59.7	73.7	60.4	59	3:59 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1096478.20
12:50:00	12:50:00	59.5	73.4	60.3	59	4:00 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1071519.31
12:51:00	12:51:00	59.4	72.7	60	59	4:01 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1000000.00
12:52:00	12:52:00	59.3	72.7	59.7	58.8	4:02 AM	851138.04	69.3	8511380.38	69.3	8511380.38	933254.30
12:53:00	12:53:00	59.5	72.9	60.2	59	4:03 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1047128.55
12:54:00	12:54:00	59.5	73.9	60.3	58.9	4:04 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1071519.31
12:55:00	12:55:00	59.4	73.4	59.7	58.9	4:05 AM	870963.59	69.4	8709635.90	69.4	8709635.90	933254.30
12:56:00	12:56:00	59.4	73.2	60.1	58.9	4:06 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1023292.99
12:57:00	12:57:00	59.5	73.8	60.1	59	4:07 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1023292.99
12:58:00	12:58:00	59.4	73	60.1	58.7	4:08 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1023292.99
12:59:00	12:59:00	59.2	72.9	59.8	58.6	4:09 AM	831763.77	69.2	8317637.71	69.2	8317637.71	954992.59
13:00:00	13:00:00	62.3	83.6	70.1	58.8	4:10 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	10232929.92
13:01:00	13:01:00	60	81.2	66.3	59	4:11 AM	1000000.00	70	10000000.00	70.0	10000000.00	4265795.19
13:02:00	13:02:00	59.8	73.8	60.4	59.3	4:12 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1096478.20
13:03:00	13:03:00	59.7	73.9	60.1	59.2	4:13 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1023292.99
13:04:00	13:04:00	59.8	73.6	61.7	59.2	4:14 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1479108.39
13:05:00	13:05:00	59.7	73.3	60.2	59.2	4:15 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1047128.55
13:06:00	13:06:00	59.8	75	61.3	59.1	4:16 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1348962.88
13:07:00	13:07:00	60.2	75.6	62.8	59.5	4:17 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1905460.72
13:08:00	13:08:00	59.8	74.2	60.5	59.4	4:18 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1122018.45
13:09:00	13:09:00	59.8	73.8	60.4	59.2	4:19 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1096478.20
13:10:00	13:10:00	59.3	73.1	59.9	58.8	4:20 AM	851138.04	69.3	8511380.38	69.3	8511380.38	977237.22
13:11:00	13:11:00	59.6	73.3	60.4	59.1	4:21 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1096478.20
13:12:00	13:12:00	59.8	73.2	60.5	59.3	4:22 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1122018.45
13:13:00	13:13:00	60.2	74.3	60.7	59.7	4:23 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1174897.55
13:14:00	13:14:00	64.9	82.9	70.6	59.7	4:24 AM	3090295.43	74.9	30902954.33	74.9	30902954.33	11481536.21
13:15:00	13:15:00	66.5	94.8	77.3	60.8	4:25 AM	4466835.92	76.5	44668359.22	76.5	44668359.22	53703179.64
13:16:00	13:16:00	61	75.3	61.7	60.7	4:26 AM	1258925.41	71	12589254.12	71.0	12589254.12	1479108.39
13:17:00	13:17:00	61.2	75.4	61.6	60.6	4:27 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1445439.77
13:18:00	13:18:00	60.7	75.2	61.3	59.7	4:28 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1348962.88
13:19:00	13:19:00	60.1	74.1	60.7	59.7	4:29 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1174897.55
13:20:00	13:20:00	60.3	74.4	60.7	59.7	4:30 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1174897.55
13:21:00	13:21:00	60.2	75.5	61.1	59.7	4:31 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1288249.55
13:22:00	13:22:00	60.1	73.7	61.1	59.4	4:32 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1288249.55
13:23:00	13:23:00	61	92.5	69.5	59.5	4:33 AM	1258925.41	71	12589254.12	71.0	12589254.12	8912509.38
13:24:00	13:24:00	60.4	79.1	63.1	59.4	4:34 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	2041737.94
13:25:00	13:25:00	60.3	83.6	63.8	59.5	4:35 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	2398832.92
13:26:00	13:26:00	59.9	78	60.9	59.3	4:36 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1230268.77
13:27:00	13:27:00	59.8	73.3	60.5	59.4	4:37 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1122018.45
13:28:00	13:28:00	60.6	92.3	67.6	59.4	4:38 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	5754399.37
13:29:00	13:29:00	63.3	102.7	75	59.5	4:39 AM	2137962.09	73.3	21379620.90	73.3	21379620.90	31622776.60
13:30:00	13:30:00	60.4	7									

Data				Data								
13:56:00	13:56:00	59.9	80.3	61.6	59.1	5:06 AM	977237.22	69.9	977237.21	69.9	977237.21	1445439.77
13:57:00	13:57:00	60.4	87.5	62.6	59.1	5:07 AM	1096478.20	70.4	1096478.196	70.4	1096478.196	1819700.86
13:58:00	13:58:00	62.8	100.5	76.3	59.2	5:08 AM	1905460.72	72.8	1905460.718	72.8	1905460.718	42657951.88
13:59:00	13:59:00	60.5	75.7	61.9	59.5	5:09 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	1548816.62
14:00:00	14:00:00	61.9	85.8	66.1	60.8	5:10 AM	1548816.62	71.9	15488166.19	71.9	15488166.19	4073802.78
14:01:00	14:01:00	68.2	88.1	74.3	63.7	5:11 AM	66069344.80	78.2	66069344.80	78.2	66069344.80	26915348.04
14:02:00	14:02:00	64	79.4	65.6	61.9	5:12 AM	2511886.43	74	25118864.32	74.0	25118864.32	3630780.55
14:03:00	14:03:00	68	100.5	81.4	62.4	5:13 AM	6309573.44	78	63095734.45	78.0	63095734.45	138038426.46
14:04:00	14:04:00	63.5	77.9	68.2	62.8	5:14 AM	2238721.14	73.5	22387211.39	73.5	22387211.39	6606934.48
14:05:00	14:05:00	63.3	77.4	63.6	63	5:15 AM	2137962.09	73.3	21379620.90	73.3	21379620.90	2290867.65
14:06:00	14:06:00	64.4	78.5	64.4	62.8	5:16 AM	2187761.62	73.4	21877616.24	73.4	21877616.24	2754228.70
14:07:00	14:07:00	63.5	68.7	63.2		5:17 AM	2818382.93	74.5	28183829.31	74.5	28183829.31	7413102.41
14:08:00	14:08:00	67.3	93.3	73.2	63.4	5:18 AM	53703179.66	77.3	53703179.64	77.3	53703179.64	20892961.31
14:09:00	14:09:00	63.5	82.6	64.6	62.8	5:19 AM	2238721.14	73.5	22387211.39	73.5	22387211.39	2884031.50
14:10:00	14:10:00	63.3	77.7	63.9	62.7	5:20 AM	2137962.09	73.3	21379620.90	73.3	21379620.90	2454708.92
14:11:00	14:11:00	62.4	78.7	65.6	59.7	5:21 AM	1737800.83	72.4	17378008.29	72.4	17378008.29	3630780.55
14:12:00	14:12:00	60.7	75.7	61.6	59.8	5:22 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1445439.77
14:13:00	14:13:00	61.3	84.2	65.5	60	5:23 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	3548133.89
14:14:00	14:14:00	60.5	74.2	61.4	59.5	5:24 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1380384.26
14:15:00	14:15:00	60.4	74.7	61.4	59.9	5:25 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1380384.26
14:16:00	14:16:00	60.5	74.7	61.1	59.9	5:26 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1288249.55
14:17:00	14:17:00	61.3	81	67.7	59.9	5:27 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	5888436.55
14:18:00	14:18:00	61	78.8	64.3	59.9	5:28 AM	1258925.41	71	12589254.12	71.0	12589254.12	2691534.80
14:19:00	14:19:00	61	75.2	61.9	60.2	5:29 AM	1258925.41	71	12589254.12	71.0	12589254.12	1548816.62
14:20:00	14:20:00	60.9	75.3	61.5	60.3	5:30 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	1412537.54
14:21:00	14:21:00	60.7	75.6	61.1	60.2	5:31 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1288249.55
14:22:00	14:22:00	61.3	78	63.4	60.4	5:32 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	2187761.62
14:23:00	14:23:00	61.4	79.1	64.2	60.7	5:33 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	2630267.99
14:24:00	14:24:00	61.3	74.5	61.8	60.7	5:34 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1513561.25
14:25:00	14:25:00	61.5	76.2	62.9	60.8	5:35 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1949844.60
14:26:00	14:26:00	61.5	77.4	62.7	60.7	5:36 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1862087.14
14:27:00	14:27:00	61.5	75.9	62.1	60.8	5:37 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	1621810.10
14:28:00	14:28:00	61.7	75.5	62.6	61	5:38 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	1819700.86
14:29:00	14:29:00	61.2	75.2	61.9	60.4	5:39 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1548816.62
14:30:00	14:30:00	61	75.8	61.6	60.6	5:40 AM	1258925.41	71	12589254.12	71.0	12589254.12	1445439.77
14:31:00	14:31:00	61.1	74.5	61.5	60.5	5:41 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	1412537.54
14:32:00	14:32:00	61.3	75.2	62	60.8	5:42 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1584893.19
14:33:00	14:33:00	61	80.6	61.8	60.5	5:43 AM	1258925.41	71	12589254.12	71.0	12589254.12	1513561.25
14:34:00	14:34:00	60.8	74.6	61.4	60.3	5:44 AM	1202264.43	70.8	12022644.35	70.8	12022644.35	1380384.26
14:35:00	14:35:00	60.8	74.2	61.4	60.4	5:45 AM	1202264.43	70.8	12022644.35	70.8	12022644.35	1380384.26
14:36:00	14:36:00	63.1	85.8	69	60.8	5:46 AM	2041737.94	73.1	20417379.45	73.1	20417379.45	7943282.35
14:37:00	14:37:00	64.7	85	72	60.7	5:47 AM	2951209.23	74.7	29512092.27	74.7	29512092.27	15848931.92
14:38:00	14:38:00	61.6	86.4	65.4	60.7	5:48 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	3467368.50
14:39:00	14:39:00	61.3	75	61.8	60.7	5:49 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1513561.25
14:40:00	14:40:00	61.1	75.6	61.7	60.7	5:50 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	1479108.39
14:41:00	14:41:00	61.3	84	64.9	60.5	5:51 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	3090295.43
14:42:00	14:42:00	60.9	74.6	61.5	60.5	5:52 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	1412537.54
14:43:00	14:43:00	61.7	82.9	64.9	60.5	5:53 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	3090295.43
14:44:00	14:44:00	61.6	80.4	63.9	60.6	5:54 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2454708.92
14:45:00	14:45:00	61.4	83.3	65.4	60.6	5:55 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	3467368.50
14:46:00	14:46:00	61.3	74.9	61.7	60.9	5:56 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1479108.39
14:47:00	14:47:00	61.4	76.2	62	60.8	5:57 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	1584893.19
14:48:00	14:48:00	61.3	76.3	63	60.7	5:58 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	1995262.31
14:49:00	14:49:00	61.1	76	62.9	60.6	5:59 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	1949844.60
14:50:00	14:50:00	67.8	100.3	78.8	60.7	6:00 AM	6025595.86	77.8	60255958.61	77.8	60255958.61	75857757.50
14:51:00	14:51:00	62.6	81.4	67.7	60.9	6:01 AM	1819700.86	72.6	18197008.59	72.6	18197008.59	5888436.55
14:52:00	14:52:00	61.2	77.3	61.9	60.4	6:02 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1548816.62
14:53:00	14:53:00	60.9	75.9	61.4	60.5	6:03 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	1380384.26
14:54:00	14:54:00	61.1	77.4	62.5	60.5	6:04 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	1778279.41
14:55:00	14:55:00	61.2	81.8	64.5	60.4	6:05 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	2818382.93
14:56:00	14:56:00	61.2	77.8	64.2	60.4	6:06 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	2630267.99
14:57:00	14:57:00	61.3	80.3	64.1	60.4	6:07 AM	1348962.88	71.3	13489628.83	71.3	13489628.83	2570395.78
14:58:00	14:58:00	61	76.4	62.5	60.5	6:08 AM	1258925.41	71	12589254.12	71.0	12589254.12	1778279.41
14:59:00	14:59:00	67	95.6	76.8	60.5	6:09 AM	5011872.34	77	50118723.36	77.0	50118723.36	47863009.23
15:00:00	15:00:00	61.7	80.1	69.3	60.7	6:10 AM	1479108.39	71.7	14791083.88	71.7	14791083.88	8511380.38
15:01:00	15:01:00	61	78.2	64.6	60.5	6:11 AM	1258925.41	71	12589254.12	71.0	12589254.12	2884031.50
15:02:00	15:02:00	61.1	77	62.2	60.6	6:12 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	1659586.91
15:03:00	15:03:00	61.6	77.4	64.6	60.6	6:13 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2884031.50
15:04:00	15:04:00	61.1	74.5	61.4	60.5	6:14 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	1380384.26
15:05:00	15:05:00	61.1	77.9	63.1	60.5	6:15 AM	1288249.55	71.1	12882495.52	71.1	12882495.52	2041737.94
15:06:00	15:06:00	68.2	89.6	76.3	61	6:16 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	42657951.88
15:07:00	15:07:00	61.2	75.1	61.7	60.7	6:17 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1479108.39
15:08:00	15:08:00	61.6	78.6	63.6	60.8	6:18 AM	1445439.77	71.6	14454397.71	71.6	14454397.71	2290867.65
15:09:00	15:09:00	61.5	78.1	64.9	60.8	6:19 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	3090295.43
15:10:00	15:10:00	61.2	75.7	62.7	60.5	6:20 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1862087.14
15:11:00	15:11:00	62.4	84	67.7	60.6	6:21 AM	1737800.83	72.4	17378008.29	72.4	17378008.29	5888436.55
15:12:00	15:12:00	61.2	75	61.7	60.7	6:22 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1479108.39
15:13:00	15:13:00	61.2	75.3	61.7	60.7	6:23 AM	1318256.74	71.2	13182567.39	71.2	13182567.39	1479108.39
15:14:00	15											

Data

15:41:00	15:41:00	64.4	84.4	65.9	63.8	6:51 AM	2754228.70	74.4	27542287.03	74.4	27542287.03	3890451.45
15:42:00	15:42:00	64.8	86.3	67.4	64.1	6:52 AM	3019951.72	74.8	30199517.20	74.8	30199517.20	5495408.74
15:43:00	15:43:00	67.6	88.1	75.2	63.9	6:53 AM	5754399.37	77.6	57543993.73	77.6	57543993.73	33113112.15
15:44:00	15:44:00	64.2	80.5	64.9	63.8	6:54 AM	26302679.92	74.2	26302679.92	74.2	26302679.92	3090295.43
15:45:00	15:45:00	64.7	79.2	65.6	64.2	6:55 AM	2951209.23	74.7	29512092.27	74.7	29512092.27	3630780.55
15:46:00	15:46:00	65.3	87.5	68.8	64.3	6:56 AM	3388441.56	75.3	33884415.61	75.3	33884415.61	7585775.75
15:47:00	15:47:00	64.4	81	68.6	63.7	6:57 AM	2754228.70	74.4	27542287.03	74.4	27542287.03	7244359.60
15:48:00	15:48:00	64.8	88	67.7	63.8	6:58 AM	3019951.72	74.8	30199517.20	74.8	30199517.20	5888436.55
15:49:00	15:49:00	65.4	85.8	69.2	64.2	6:59 AM	3467368.50	75.4	34673685.05	75.4	34673685.05	8317637.71
15:50:00	15:50:00	69.5	87.6	70.5	68.9	7:00 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	11220184.54
15:51:00	15:51:00	70.2	85.5	71.4	69.3	7:01 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	13803842.65
15:52:00	15:52:00	70	84.8	70.9	69.5	7:02 AM	10000000.00	70	10000000.00	70.0	10000000.00	12302687.71
15:53:00	15:53:00	70.3	88.1	71.7	69.9	7:03 AM	10715193.05	70.3	10715193.05	70.3	10715193.05	14791083.88
15:54:00	15:54:00	69.8	85.7	70.4	69.5	7:04 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	10964781.96
15:55:00	15:55:00	69.8	85.2	70.5	69.5	7:05 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	11220184.54
15:56:00	15:56:00	74.2	99	85.4	69.4	7:06 AM	26302679.92	74.2	26302679.92	74.2	26302679.92	34673685.05
15:57:00	15:57:00	69.8	89	73.2	69.4	7:07 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	20892961.31
15:58:00	15:58:00	67.7	83.8	70.2	63.9	7:08 AM	5888436.55	67.7	5888436.55	67.7	5888436.55	10471285.48
15:59:00	15:59:00	64.5	80.7	66.3	63.8	7:09 AM	2818382.93	64.5	2818382.93	64.5	2818382.93	4265795.19
16:00:00	16:00:00	64.7	89	67.6	63.8	7:10 AM	2951209.23	64.7	2951209.23	64.7	2951209.23	5754399.37
16:01:00	16:01:00	63.9	78.7	64.4	63.4	7:11 AM	2454708.92	63.9	2454708.92	63.9	2454708.92	2754228.70
16:02:00	16:02:00	73.4	98.9	85.4	63.7	7:12 AM	21877616.24	73.4	21877616.24	73.4	21877616.24	34673685.05
16:03:00	16:03:00	70.2	85.4	71.7	69.7	7:13 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	14791083.88
16:04:00	16:04:00	70	88.6	71.2	69.5	7:14 AM	10000000.00	70	10000000.00	70.0	10000000.00	13182567.39
16:05:00	16:05:00	69.6	83.9	70	69.3	7:15 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	10000000.00
16:06:00	16:06:00	69.6	83.2	69.8	69.2	7:16 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	9549925.86
16:07:00	16:07:00	69.8	83.7	70.9	69.3	7:17 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	12302687.71
16:08:00	16:08:00	69.6	90	71	69.3	7:18 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	12589254.12
16:09:00	16:09:00	69.5	84	70.3	69.1	7:19 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	10715193.05
16:10:00	16:10:00	69.8	90.7	73	69.2	7:20 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	19952623.15
16:11:00	16:11:00	69.7	90.4	70.8	69.2	7:21 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	12022644.35
16:12:00	16:12:00	69.4	82.8	69.7	69.2	7:22 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	9332543.01
16:13:00	16:13:00	69.6	86.1	70.2	69.3	7:23 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	10471285.48
16:14:00	16:14:00	69.7	85.1	70.3	69.4	7:24 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	10715193.05
16:15:00	16:15:00	77.7	99.8	87.4	69.4	7:25 AM	58884365.54	77.7	58884365.54	77.7	58884365.54	549540873.86
16:16:00	16:16:00	83	101.2	88.8	69.4	7:26 AM	199526231.50	83.0	199526231.50	83.0	199526231.50	758577575.03
16:17:00	16:17:00	69.8	84.4	70.4	69.5	7:27 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	10964781.96
16:18:00	16:18:00	71.6	96.6	77.8	69.5	7:28 AM	14454397.71	71.6	14454397.71	71.6	14454397.71	60255958.61
16:19:00	16:19:00	70.4	87.8	72.6	69.4	7:29 AM	10964781.96	70.4	10964781.96	70.4	10964781.96	18197008.59
16:20:00	16:20:00	69.7	83.9	70.2	69.1	7:30 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	10471285.48
16:21:00	16:21:00	71	98.8	77.8	68.9	7:31 AM	12589254.12	71	12589254.12	71.0	12589254.12	60255958.61
16:22:00	16:22:00	72	98.5	78.7	69.6	7:32 AM	15848931.92	72	15848931.92	72.0	15848931.92	74131024.13
16:23:00	16:23:00	70.2	96.8	77.7	69.2	7:33 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	58884365.54
16:24:00	16:24:00	69.7	96.6	71.2	69.3	7:34 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	13182567.39
16:25:00	16:25:00	71.3	91.1	76.8	69.5	7:35 AM	13489628.83	71.3	13489628.83	71.3	13489628.83	47863009.23
16:26:00	16:26:00	69.6	87.7	70.5	69.3	7:36 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	11220184.54
16:27:00	16:27:00	69.6	83.6	70	69.2	7:37 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	10000000.00
16:28:00	16:28:00	69.9	86.5	72.5	69.1	7:38 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	17782794.10
16:29:00	16:29:00	69.6	83.3	70.1	69.3	7:39 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	10232929.92
16:30:00	16:30:00	69.7	88.8	70.7	69.3	7:40 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	11748975.55
16:31:00	16:31:00	70.2	87.5	74	69.2	7:41 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	25118864.32
16:32:00	16:32:00	69.4	86.2	69.9	69.1	7:42 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	9772372.21
16:33:00	16:33:00	69.6	83.9	70.2	69.3	7:43 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	10471285.48
16:34:00	16:34:00	69.5	87.2	70.7	69.2	7:44 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	11748975.55
16:35:00	16:35:00	69.1	85.5	70.2	68.7	7:45 AM	8128305.16	69.1	8128305.16	69.1	8128305.16	10471285.48
16:36:00	16:36:00	69	85.2	72.2	68.5	7:46 AM	7943282.35	69	7943282.35	69.0	7943282.35	16595869.07
16:37:00	16:37:00	68.8	83.1	69.6	68.4	7:47 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	9120108.39
16:38:00	16:38:00	68.8	85	69.6	68.5	7:48 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	9120108.39
16:39:00	16:39:00	69.4	85.2	72.8	68.5	7:49 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	19054607.18
16:40:00	16:40:00	69.2	86.7	71	68.5	7:50 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	12589254.12
16:41:00	16:41:00	68.8	82.9	69.3	68.4	7:51 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	8511380.38
16:42:00	16:42:00	68.9	85.4	69.9	68.4	7:52 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	9772372.21
16:43:00	16:43:00	68.8	86.5	69.6	68.5	7:53 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	9120108.39
16:44:00	16:44:00	68.8	83	69.3	68.5	7:54 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	8511380.38
16:45:00	16:45:00	69.5	93.1	72.3	68.6	7:55 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	16982436.52
16:46:00	16:46:00	68.9	83.9	70	68.5	7:56 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	10000000.00
16:47:00	16:47:00	69	84.6	71	68.6	7:57 AM	7943282.35	69	7943282.35	69.0	7943282.35	12589254.12
16:48:00	16:48:00	72	94.4	80.2	68.5	7:58 AM	15848931.92	72	15848931.92	72.0	15848931.92	10471285.48
16:49:00	16:49:00	69.5	85.9	74.5	68.5	7:59 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	28183829.31
16:50:00	16:50:00	68.7	84.4	69.6	68.5	8:00 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	9120108.39
16:51:00	16:51:00	71.1	92.1	79.3	68.5	8:01 AM	12882495.52	71.1	12882495.52	71.1	12882495.52	85113803.82
16:52:00	16:52:00	68.7	85.1	69.6	68.3	8:02 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	9120108.39
16:53:00	16:53:00	68.8	85.2	69.4	68.5	8:03 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	8709635.90
16:54:00	16:54:00	78.9	101.6	88.8	68.3	8:04 AM	7762471.16	78.9	7762471.16	78.9	7762471.16	758577575.03
16:55:00	16:55:00	69.3	88.2	71.1	68.5	8:05 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	12882495.52
16:56:00	16:56:00	69.3	89.2	71.6	68.5	8:06 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	14454397.71
16:57:00	16:57:00	69.3	86	71.9	68.5	8:07 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	15488166.19
16:58:00	16:58:00	69	85.8	71.4	68.5	8:08 AM	7943282.35	69	7943282.35	69.0	7943282.35	13803842.65
16:59:00	16:59:00	69.2	85.4									

Data

17:26:00	17:26:00	71.4	97.5	76.6	69.3	8:36 AM	13803842.65	71.4	13803842.65	71.4	13803842.65	45708818.96
17:27:00	17:27:00	69.9	89.5	72.3	69.4	8:37 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	16982436.52
17:28:00	17:28:00	69.6	86.7	70.6	69.1	8:38 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	11481536.21
17:29:00	17:29:00	69.5	83.9	70.7	69.1	8:39 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	11478975.55
17:30:00	17:30:00	69.9	89.2	71	69.4	8:40 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	12589254.12
17:31:00	17:31:00	74.3	96.5	83.2	69.4	8:41 AM	26915348.04	74.3	26915348.04	74.3	26915348.04	208929613.09
17:32:00	17:32:00	80.6	101.2	88.8	68.9	8:42 AM	114815362.15	80.6	114815362.15	80.6	114815362.15	758577575.03
17:33:00	17:33:00	76.5	100.8	87.7	69.3	8:43 AM	44668359.22	76.5	44668359.22	76.5	44668359.22	588843655.36
17:34:00	17:34:00	69.7	88.8	71.2	68.9	8:44 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	13182567.39
17:35:00	17:35:00	69.6	95.2	74.5	68.8	8:45 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	28183829.31
17:36:00	17:36:00	70.2	97.3	78.2	69.2	8:46 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	66069344.80
17:37:00	17:37:00	70.4	93.3	75.4	69.4	8:47 AM	10964781.96	70.4	10964781.96	70.4	10964781.96	34673685.05
17:38:00	17:38:00	79.4	100.8	88.5	69.3	8:48 AM	87096359.00	79.4	87096359.00	79.4	87096359.00	707945784.38
17:39:00	17:39:00	70.1	89.7	72.2	69.3	8:49 AM	10232929.92	70.1	10232929.92	70.1	10232929.92	16595869.07
17:40:00	17:40:00	71.7	96.3	75.4	69.4	8:50 AM	14791083.88	71.7	14791083.88	71.7	14791083.88	34673685.05
17:41:00	17:41:00	69.9	83.9	70.8	69.6	8:51 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	12022644.35
17:42:00	17:42:00	70.3	95.3	74.9	69.4	8:52 AM	10715193.05	70.3	10715193.05	70.3	10715193.05	30902954.33
17:43:00	17:43:00	72.9	95.1	77.4	69.4	8:53 AM	19498446.00	72.9	19498446.00	72.9	19498446.00	54954087.39
17:44:00	17:44:00	71	95.5	73.8	69.3	8:54 AM	12589254.12	71	12589254.12	71.0	12589254.12	23988329.19
17:45:00	17:45:00	72.1	95.2	73.9	69.7	8:55 AM	16218100.97	72.1	16218100.97	72.1	16218100.97	24547089.16
17:46:00	17:46:00	71.8	86.9	73.3	70.1	8:56 AM	15135612.48	71.8	15135612.48	71.8	15135612.48	21379620.90
17:47:00	17:47:00	72.7	88.9	74.6	70.2	8:57 AM	18620871.37	72.7	18620871.37	72.7	18620871.37	28840315.03
17:48:00	17:48:00	71.1	92.5	77.3	69.1	8:58 AM	12882495.52	71.1	12882495.52	71.1	12882495.52	53703179.64
17:49:00	17:49:00	72.5	89.5	76.3	69.2	8:59 AM	17782794.10	72.5	17782794.10	72.5	17782794.10	42657951.88
17:50:00	17:50:00	71.8	96.3	78.3	69.3	9:00 AM	15135612.48	71.8	15135612.48	71.8	15135612.48	67608297.54
17:51:00	17:51:00	69.3	94.6	74.4	68.6	9:01 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	27542287.03
17:52:00	17:52:00	69.6	87.7	72.5	68.9	9:02 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	17782794.10
17:53:00	17:53:00	73.4	96	76.3	69.9	9:03 AM	21877616.24	73.4	21877616.24	73.4	21877616.24	42657951.88
17:54:00	17:54:00	79.5	111.5	95.2	68.7	9:04 AM	89125093.81	79.5	89125093.81	79.5	89125093.81	3311311214.83
17:55:00	17:55:00	73.5	100.9	82.2	68.8	9:05 AM	22387211.39	73.5	22387211.39	73.5	22387211.39	165958690.74
17:56:00	17:56:00	79.7	101.3	88.7	69	9:06 AM	93325430.08	79.7	93325430.08	79.7	93325430.08	741310241.30
17:57:00	17:57:00	70.9	94.8	76.6	69.1	9:07 AM	12302687.71	70.9	12302687.71	70.9	12302687.71	45708818.96
17:58:00	17:58:00	69.6	88.9	71.8	69.1	9:08 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	15135612.48
17:59:00	17:59:00	70.2	87.7	72.3	69.2	9:09 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	16982436.52
18:00:00	18:00:00	70.2	99	76.6	69.3	9:10 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	45708818.96
18:01:00	18:01:00	70.2	91.3	74.8	69.3	9:11 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	30199517.20
18:02:00	18:02:00	70.6	98.3	77.2	69.2	9:12 AM	11481536.21	70.6	11481536.21	70.6	11481536.21	52480746.02
18:03:00	18:03:00	69.5	92.4	71.2	68.7	9:13 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	13182567.39
18:04:00	18:04:00	75.3	99.9	86.8	68.8	9:14 AM	33884415.61	75.3	33884415.61	75.3	33884415.61	478630092.32
18:05:00	18:05:00	70.5	96.5	76.1	69.2	9:15 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	40738027.78
18:06:00	18:06:00	69.5	83.9	70.6	69.1	9:16 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	11481536.21
18:07:00	18:07:00	70.3	86.5	72.5	69.4	9:17 AM	10715193.05	70.3	10715193.05	70.3	10715193.05	17782794.10
18:08:00	18:08:00	69.8	85	70.7	69.4	9:18 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	11478975.55
18:09:00	18:09:00	69.5	90.5	70.6	68.9	9:19 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	11481536.21
18:10:00	18:10:00	75	99.6	87.6	68.9	9:20 AM	31622776.60	75	31622776.60	75.0	31622776.60	602559586.07
18:11:00	18:11:00	79.8	101.4	88.9	68.7	9:21 AM	95499258.60	79.8	95499258.60	79.8	95499258.60	76247116.63
18:12:00	18:12:00	73.5	99.1	83.9	68.7	9:22 AM	22387211.39	73.5	22387211.39	73.5	22387211.39	245470891.57
18:13:00	18:13:00	70.7	87.5	79.6	69.1	9:23 AM	11748975.55	70.7	11748975.55	70.7	11748975.55	91201083.94
18:14:00	18:14:00	72.2	103.7	82.9	70	9:24 AM	16595869.07	72.2	16595869.07	72.2	16595869.07	194984459.98
18:15:00	18:15:00	81.7	100.8	88.8	69.5	9:25 AM	147910838.82	81.7	147910838.82	81.7	147910838.82	758577575.03
18:16:00	18:16:00	69.4	84	70.5	68.8	9:26 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	11220184.54
18:17:00	18:17:00	82.2	101.9	89.3	68.5	9:27 AM	165958690.74	82.2	165958690.74	82.2	165958690.74	851138038.20
18:18:00	18:18:00	78.1	100.7	88.4	68.4	9:28 AM	64565422.90	78.1	64565422.90	78.1	64565422.90	691830970.92
18:19:00	18:19:00	77.1	100.2	88.8	68	9:29 AM	51286138.40	77.1	51286138.40	77.1	51286138.40	758577575.03
18:20:00	18:20:00	75.6	101.4	87.4	68.2	9:30 AM	36307805.48	75.6	36307805.48	75.6	36307805.48	549540873.86
18:21:00	18:21:00	79.2	100.9	88.5	68.9	9:31 AM	83176377.11	79.2	83176377.11	79.2	83176377.11	707945784.38
18:22:00	18:22:00	79.4	100.6	88.7	68.4	9:32 AM	87096359.00	79.4	87096359.00	79.4	87096359.00	741310241.30
18:23:00	18:23:00	81.3	101.3	89	68.2	9:33 AM	134896288.26	81.3	134896288.26	81.3	134896288.26	794328234.72
18:24:00	18:24:00	79.1	100.4	87.9	67.3	9:34 AM	81283051.62	79.1	81283051.62	79.1	81283051.62	616595001.86
18:25:00	18:25:00	75.8	100.7	87.1	67.9	9:35 AM	38018939.63	75.8	38018939.63	75.8	38018939.63	512861383.99
18:26:00	18:26:00	79.6	99.9	88.1	67.6	9:36 AM	91201083.94	79.6	91201083.94	79.6	91201083.94	645654229.03
18:27:00	18:27:00	79.3	100.3	88.2	67.5	9:37 AM	85113803.82	79.3	85113803.82	79.3	85113803.82	660693448.01
18:28:00	18:28:00	76	100.9	88.3	68.1	9:38 AM	39810717.06	76	39810717.06	76.0	39810717.06	676082975.39
18:29:00	18:29:00	81.9	101.3	88.9	68.2	9:39 AM	154881661.89	81.9	154881661.89	81.9	154881661.89	776247116.63
18:30:00	18:30:00	81.4	102	89.2	68.4	9:40 AM	138038426.46	81.4	138038426.46	81.4	138038426.46	831763771.10
18:31:00	18:31:00	76.3	101.1	88.7	68.5	9:41 AM	42657951.88	76.3	42657951.88	76.3	42657951.88	741310241.30
18:32:00	18:32:00	68.8	83.2	70.4	68.1	9:42 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	10964781.96
18:33:00	18:33:00	68.6	84	69.7	68.2	9:43 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	9332543.01
18:34:00	18:34:00	68.9	92	74.4	68.1	9:44 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	27542287.03
18:35:00	18:35:00	69.2	87.9	72.3	68.1	9:45 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	16982436.52
18:36:00	18:36:00	82	101.5	88.7	68.8	9:46 AM	158489319.25	82	158489319.25	82.0	158489319.25	741310241.30
18:37:00	18:37:00	69	83.3	70.4	68.3	9:47 AM	7943282.35	69	7943282.35	69.0	7943282.35	10964781.96
18:38:00	18:38:00	69.3	93.4	73.8	68.8	9:48 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	23988329.19
18:39:00	18:39:00	79.5	101.2	88.7	68.8	9:49 AM	89125093.81	79.5	89125093.81	79.5	89125093.81	741310241.30
18:40:00	18:40:00	77.6	100.4	88.7	67.8	9:50 AM	57543993.73	77.6	57543993.73	77.6	57543993.73	741310241.30
18:41:00	18:41:00	80.8	100.9	88.1	68.1	9:51 AM	12022644.35	80.8	12022644.35	80.8	12022644.35	645654229.03
18:42:00	18:42:00	80.1	100.4	88.5	68.3	9:52 AM	10232929.92	80.1	10232929.92	80.1	10232929.92	7079

Data

19:11:00	19:11:00	79.3	100.6	87.6	68	10:21 AM	85113803.82	79.3	85113803.82	79.3	85113803.82	575439937.34
19:12:00	19:12:00	75.2	99.3	85.2	68.2	10:22 AM	33113112.15	75.2	33113112.15	75.2	33113112.15	331131121.48
19:13:00	19:13:00	80.5	100.8	88.6	68.1	10:23 AM	112201845.43	80.5	112201845.43	80.5	112201845.43	724435960.07
19:14:00	19:14:00	81.4	101.1	88.6	68.1	10:24 AM	138038426.46	81.4	138038426.46	81.4	138038426.46	724435960.07
19:15:00	19:15:00	74	101.6	84.3	68	10:25 AM	25118864.32	74	25118864.32	74.0	25118864.32	269153480.39
19:16:00	19:16:00	81.7	100.5	88.5	68.2	10:26 AM	147910838.82	81.7	147910838.82	81.7	147910838.82	70945784.38
19:17:00	19:17:00	80.7	100.1	88.6	68.1	10:27 AM	117489755.49	80.7	117489755.49	80.7	117489755.49	724435960.07
19:18:00	19:18:00	78.2	100.5	88.7	68.8	10:28 AM	66069344.80	78.2	66069344.80	78.2	66069344.80	741310241.30
19:19:00	19:19:00	81.4	102.3	88.5	67.9	10:29 AM	138038426.46	81.4	138038426.46	81.4	138038426.46	70945784.38
19:20:00	19:20:00	81.8	101.7	88.3	68	10:30 AM	151356124.84	81.8	151356124.84	81.8	151356124.84	676082975.39
19:21:00	19:21:00	76	100.8	87.8	67.9	10:31 AM	39810717.06	76	39810717.06	76.0	39810717.06	602559586.07
19:22:00	19:22:00	80.5	102.1	88.3	68.2	10:32 AM	112201845.43	80.5	112201845.43	80.5	112201845.43	676082975.39
19:23:00	19:23:00	69	86.1	70.9	68.3	10:33 AM	7943282.35	69	7943282.35	69.0	7943282.35	12302687.71
19:24:00	19:24:00	80.3	100.3	88.9	68.1	10:34 AM	107151930.52	80.3	107151930.52	80.3	107151930.52	776247116.63
19:25:00	19:25:00	75.4	101.2	88.2	67.7	10:35 AM	34673685.05	75.4	34673685.05	75.4	34673685.05	660693448.01
19:26:00	19:26:00	68.1	83.1	68.8	67.5	10:36 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	7585775.75
19:27:00	19:27:00	80.7	100.1	87.8	67.6	10:37 AM	117489755.49	80.7	117489755.49	80.7	117489755.49	602559586.07
19:28:00	19:28:00	79.3	101	88.5	67.8	10:38 AM	85113803.82	79.3	85113803.82	79.3	85113803.82	70945784.38
19:29:00	19:29:00	82.1	102	88.6	68.1	10:39 AM	162181009.74	82.1	162181009.74	82.1	162181009.74	724435960.07
19:30:00	19:30:00	76.1	102.1	88	67.1	10:40 AM	40738027.78	76.1	40738027.78	76.1	40738027.78	630957344.48
19:31:00	19:31:00	80	101.8	88.5	67.1	10:41 AM	1000000000.00	80	1000000000.00	80.0	1000000000.00	70945784.38
19:32:00	19:32:00	75.8	102.1	87.5	67.5	10:42 AM	38018939.63	75.8	38018939.63	75.8	38018939.63	562341325.19
19:33:00	19:33:00	81.3	101.2	88.5	68.2	10:43 AM	134896288.26	81.3	134896288.26	81.3	134896288.26	70945784.38
19:34:00	19:34:00	80.5	100.5	88.7	67.9	10:44 AM	112201845.43	80.5	112201845.43	80.5	112201845.43	741310241.30
19:35:00	19:35:00	76.3	102.5	88.3	68	10:45 AM	42657951.88	76.3	42657951.88	76.3	42657951.88	676082975.39
19:36:00	19:36:00	80.5	101	88.5	67.9	10:46 AM	112201845.43	80.5	112201845.43	80.5	112201845.43	70945784.38
19:37:00	19:37:00	78.4	100.2	88.3	67.3	10:47 AM	69183097.09	78.4	69183097.09	78.4	69183097.09	676082975.39
19:38:00	19:38:00	77.7	102	88.1	67.8	10:48 AM	58884365.54	77.7	58884365.54	77.7	58884365.54	645654229.03
19:39:00	19:39:00	80	100.8	88.1	67.4	10:49 AM	1000000000.00	80	1000000000.00	80.0	1000000000.00	645654229.03
19:40:00	19:40:00	81.1	102.1	88.1	67.7	10:50 AM	128824955.17	81.1	128824955.17	81.1	128824955.17	645654229.03
19:41:00	19:41:00	68.3	83.6	71	67.7	10:51 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	12589254.12
19:42:00	19:42:00	69.2	85.8	72.4	67.8	10:52 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	17378008.29
19:43:00	19:43:00	68.2	82.4	68.9	67.8	10:53 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	77624711.66
19:44:00	19:44:00	82.5	101.3	88.4	67.8	10:54 AM	177827941.00	82.5	177827941.00	82.5	177827941.00	691830970.92
19:45:00	19:45:00	79.1	100.2	88.5	67.7	10:55 AM	81283051.62	79.1	81283051.62	79.1	81283051.62	70945784.38
19:46:00	19:46:00	76.7	101.8	88.4	68.1	10:56 AM	46773514.13	76.7	46773514.13	76.7	46773514.13	691830970.92
19:47:00	19:47:00	80.3	100.5	88.4	68	10:57 AM	107151930.52	80.3	107151930.52	80.3	107151930.52	691830970.92
19:48:00	19:48:00	80.7	102.4	88.4	68.2	10:58 AM	117489755.49	80.7	117489755.49	80.7	117489755.49	691830970.92
19:49:00	19:49:00	80.2	100.2	88.4	67.8	10:59 AM	104712854.81	80.2	104712854.81	80.2	104712854.81	691830970.92
19:50:00	19:50:00	76.2	101.2	88.1	67.8	11:00 AM	41686938.35	76.2	41686938.35	76.2	41686938.35	645654229.03
19:51:00	19:51:00	81.5	101.7	88.3	68.3	11:01 AM	141253754.46	81.5	141253754.46	81.5	141253754.46	676082975.39
19:52:00	19:52:00	78.5	100.1	87.9	67.9	11:02 AM	7094578.44	78.5	7094578.44	78.5	7094578.44	616595001.86
19:53:00	19:53:00	75.3	101.8	86.9	68.1	11:03 AM	33884415.61	75.3	33884415.61	75.3	33884415.61	489778819.37
19:54:00	19:54:00	80.3	100.6	88	68.2	11:04 AM	107151930.52	80.3	107151930.52	80.3	107151930.52	630957344.48
19:55:00	19:55:00	80.9	101.5	88.8	67.9	11:05 AM	123026877.08	80.9	123026877.08	80.9	123026877.08	758577575.03
19:56:00	19:56:00	79.2	100.8	88.2	67.9	11:06 AM	83176377.11	79.2	83176377.11	79.2	83176377.11	660693448.01
19:57:00	19:57:00	71.1	101.5	88.1	68.6	11:07 AM	81283051.62	71.1	81283051.62	71.1	81283051.62	645654229.03
19:58:00	19:58:00	80.6	99.5	87.8	68	11:08 AM	114815362.15	80.6	114815362.15	80.6	114815362.15	602559586.07
19:59:00	19:59:00	76.9	103	88.3	67.7	11:09 AM	48977881.94	76.9	48977881.94	76.9	48977881.94	676082975.39
20:00:00	20:00:00	80.6	103	88.3	67.7	11:10 AM	114815362.15	80.6	114815362.15	80.6	114815362.15	676082975.39
20:01:00	20:01:00	80.4	100.2	88.2	67.7	11:11 AM	109647819.61	80.4	109647819.61	80.4	109647819.61	660693448.01
20:02:00	20:02:00	75.9	101	87.8	67.4	11:12 AM	38904514.50	75.9	38904514.50	75.9	38904514.50	602559586.07
20:03:00	20:03:00	80.3	101.3	88	67.8	11:13 AM	107151930.52	80.3	107151930.52	80.3	107151930.52	630957344.48
20:04:00	20:04:00	69.4	96.2	78.2	67.6	11:14 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	660693448.01
20:05:00	20:05:00	80.2	100.4	87.5	67.4	11:15 AM	104712854.81	80.2	104712854.81	80.2	104712854.81	562341325.19
20:06:00	20:06:00	69.4	88.5	75	67.2	11:16 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	31622776.60
20:07:00	20:07:00	80.1	100.8	88.3	68.2	11:17 AM	102329299.23	80.1	102329299.23	80.1	102329299.23	676082975.39
20:08:00	20:08:00	76.4	102.3	87.9	67.8	11:18 AM	43651583.22	76.4	43651583.22	76.4	43651583.22	616595001.86
20:09:00	20:09:00	70.9	93.3	79.7	67.8	11:19 AM	12302687.71	70.9	12302687.71	70.9	12302687.71	933254300.08
20:10:00	20:10:00	68	82.3	68.6	67.7	11:20 AM	6309573.44	68	6309573.44	68.0	6309573.44	724435960.07
20:11:00	20:11:00	80.6	100	88.1	67.5	11:21 AM	114815362.15	80.6	114815362.15	80.6	114815362.15	645654229.03
20:12:00	20:12:00	71.2	98.6	78.9	68	11:22 AM	13182567.39	71.2	13182567.39	71.2	13182567.39	77624711.66
20:13:00	20:13:00	80.8	101.1	88	67.8	11:23 AM	120226443.46	80.8	120226443.46	80.8	120226443.46	630957344.48
20:14:00	20:14:00	73.5	99.1	85.5	67.5	11:24 AM	22387211.39	73.5	22387211.39	73.5	22387211.39	354813389.23
20:15:00	20:15:00	68	86.8	71.8	67.1	11:25 AM	6309573.44	68	6309573.44	68.0	6309573.44	151356124.84
20:16:00	20:16:00	67.8	81.7	68.4	67.2	11:26 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	69183097.09
20:17:00	20:17:00	67.9	85.3	69.7	67.4	11:27 AM	6165950.02	67.9	6165950.02	67.9	6165950.02	9332543.01
20:18:00	20:18:00	68.5	91.2	73.8	67.2	11:28 AM	709457.84	68.5	709457.84	68.5	709457.84	23988329.19
20:19:00	20:19:00	68.8	88.1	73.7	67.4	11:29 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	23442288.15
20:20:00	20:20:00	67.8	83.1	68.8	67.1	11:30 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	7585775.75
20:21:00	20:21:00	68.1	90	69.9	67.4	11:31 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	9772372.21
20:22:00	20:22:00	67.8	82.9	68.6	67.2	11:32 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	724435960.07
20:23:00	20:23:00	67.5	82.3	68.1	66.9	11:33 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	645654229.03
20:24:00	20:24:00	69.3	88.6	75.3	67.5	11:34 AM	85113803.82	69.3	85113803.82	69.3	85113803.82	33884415.61
20:25:00	20:25:00	71.1	100.2	88.3	68.2	11:35 AM	81283051.62	71.1	81283051.62	71.1	81283051.62	676082975.39
20:26:00	20:26:00	69.2	93.4	79.1	67.5	11:36 AM	8317637.71	69.2	8317637.71	69.2	831763	

Data

20:56:00	20:56:00	59.8	79.6	61.8	58.9	12:06 PM	954992.59	59.8	954992.59	59.8	954992.59	1513561.25
20:57:00	20:57:00	61.8	88.2	64.8	59.2	12:07 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	3019951.72
20:58:00	20:58:00	60.9	78.7	64.2	59.5	12:08 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	2630267.99
20:59:00	20:59:00	61.3	81.4	65.7	59.6	12:09 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	3715352.29
21:00:00	21:00:00	65.9	93.9	74.2	59.5	12:10 PM	3890451.45	65.9	3890451.45	65.9	3890451.45	2630267.99
21:01:00	21:01:00	65.6	91.4	72	60.4	12:11 PM	3630780.55	65.6	3630780.55	65.6	3630780.55	15848931.92
21:02:00	21:02:00	66	89.4	75.1	59.6	12:12 PM	3981071.71	66	3981071.71	66.0	3981071.71	32359365.69
21:03:00	21:03:00	63.2	84	67.9	59.5	12:13 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	6165950.02
21:04:00	21:04:00	60.7	83.5	62.2	59	12:14 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	1659586.91
21:05:00	21:05:00	61.3	81.5	66	59	12:15 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	3981071.71
21:06:00	21:06:00	69.6	93	79.6	60.8	12:16 PM	9120108.39	69.6	9120108.39	69.6	9120108.39	91201083.94
21:07:00	21:07:00	63	81	68.5	59.5	12:17 PM	1995262.31	63	1995262.31	63.0	1995262.31	7079457.84
21:08:00	21:08:00	60.3	77.4	63.5	59	12:18 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	2238721.14
21:09:00	21:09:00	62.4	85.5	68.9	59.5	12:19 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	7762471.17
21:10:00	21:10:00	63.6	83.4	69	59.2	12:20 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	7943282.35
21:11:00	21:11:00	60.9	79.6	63	59.4	12:21 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	1995262.31
21:12:00	21:12:00	61.8	83.3	69.6	59.2	12:22 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	9120108.39
21:13:00	21:13:00	61.1	78.6	65	58.9	12:23 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	3162277.66
21:14:00	21:14:00	60.3	75.9	62.8	59.4	12:24 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	1905460.72
21:15:00	21:15:00	61.2	80.1	65.9	59.3	12:25 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	3890451.45
21:16:00	21:16:00	64.4	85	69.4	59.9	12:26 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	8709635.90
21:17:00	21:17:00	61.4	81.6	65.6	59.5	12:27 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	3630780.55
21:18:00	21:18:00	60.1	80.5	66.4	58.8	12:28 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	4365158.32
21:19:00	21:19:00	60.3	76.4	62.9	59.2	12:29 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	1949844.60
21:20:00	21:20:00	62.2	81.8	66.8	59.3	12:30 PM	1659586.91	62.2	1659586.91	62.2	1659586.91	4786300.92
21:21:00	21:21:00	61.5	90.2	65.7	59.6	12:31 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	3715352.29
21:22:00	21:22:00	60.5	78.3	63.4	58.8	12:32 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	2187761.62
21:23:00	21:23:00	65.6	92.6	72.7	59.5	12:33 PM	3630780.55	65.6	3630780.55	65.6	3630780.55	1862807.37
21:24:00	21:24:00	67.6	94.9	77.4	59.4	12:34 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	54954087.39
21:25:00	21:25:00	67.9	81.8	68.8	67.2	12:35 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	7585775.75
21:26:00	21:26:00	67.9	82.5	68.6	67.4	12:36 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	7244359.60
21:27:00	21:27:00	68.5	84.4	71.4	67.5	12:37 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	13803842.65
21:28:00	21:28:00	68.7	85.5	71.5	67.4	12:38 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	14125375.45
21:29:00	21:29:00	67.9	82.4	69.5	67.3	12:39 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	8912509.38
21:30:00	21:30:00	67.8	87.1	69.2	67.3	12:40 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	8317637.71
21:31:00	21:31:00	69	92.4	72.7	67.5	12:41 PM	7943282.35	69	7943282.35	69.0	7943282.35	18628071.37
21:32:00	21:32:00	80.8	101.1	88.2	67.3	12:42 PM	12022644.46	80.8	12022644.46	80.8	12022644.46	660693448.01
21:33:00	21:33:00	80.7	99.9	87.2	67.5	12:43 PM	117489755.49	80.7	117489755.49	80.7	117489755.49	524807460.25
21:34:00	21:34:00	83.7	103.3	88.2	67.3	12:44 PM	234422881.53	83.7	234422881.53	83.7	234422881.53	660693448.01
21:35:00	21:35:00	83.8	100.9	87.9	67.9	12:45 PM	239883291.90	83.8	239883291.90	83.8	239883291.90	616595001.86
21:36:00	21:36:00	84	101.5	87.4	67.7	12:46 PM	251188643.15	84	251188643.15	84.0	251188643.15	549540873.86
21:37:00	21:37:00	83.8	99.9	87.6	68.6	12:47 PM	239883291.90	83.8	239883291.90	83.8	239883291.90	575439937.34
21:38:00	21:38:00	84.1	101.6	88.3	67.1	12:48 PM	257039578.28	84.1	257039578.28	84.1	257039578.28	676082975.39
21:39:00	21:39:00	79.1	99.6	87.7	67.1	12:49 PM	81283051.62	79.1	81283051.62	79.1	81283051.62	588843655.36
21:40:00	21:40:00	84.3	100.5	88.1	66.9	12:50 PM	269153480.39	84.3	269153480.39	84.3	269153480.39	645654229.03
21:41:00	21:41:00	83.6	103	87.8	66.5	12:51 PM	229086765.28	83.6	229086765.28	83.6	229086765.28	602559586.07
21:42:00	21:42:00	84.1	101.8	87.9	67.9	12:52 PM	257039578.28	84.1	257039578.28	84.1	257039578.28	616595001.86
21:43:00	21:43:00	83.9	101.4	87.3	68.1	12:53 PM	245470891.57	83.9	245470891.57	83.9	245470891.57	537031796.37
21:44:00	21:44:00	83.4	100.5	87.6	68.2	12:54 PM	218776162.39	83.4	218776162.39	83.4	218776162.39	575439937.34
21:45:00	21:45:00	83.6	100.4	87.8	68.7	12:55 PM	229086765.28	83.6	229086765.28	83.6	229086765.28	602559586.07
21:46:00	21:46:00	82.9	101.1	87.4	67.9	12:56 PM	194984459.98	82.9	194984459.98	82.9	194984459.98	549540873.86
21:47:00	21:47:00	83.9	99.9	87.3	71.1	12:57 PM	245470891.57	83.9	245470891.57	83.9	245470891.57	537031796.37
21:48:00	21:48:00	83	99.8	87.2	67.8	12:58 PM	199526231.50	83	199526231.50	83.0	199526231.50	524807460.25
21:49:00	21:49:00	83.2	101.1	87.6	67.8	12:59 PM	208929613.09	83.2	208929613.09	83.2	208929613.09	575439937.34
21:50:00	21:50:00	82.7	100.8	86.5	68.8	1:00 PM	186208713.67	82.7	186208713.67	82.7	186208713.67	446683592.15
21:51:00	21:51:00	83	100.4	87.4	67.9	1:01 PM	199526231.50	83	199526231.50	83.0	199526231.50	549540873.86
21:52:00	21:52:00	82.6	99.9	86.7	67.8	1:02 PM	181970085.86	82.6	181970085.86	82.6	181970085.86	467735141.29
21:53:00	21:53:00	83.2	100.6	87.5	68.2	1:03 PM	208929613.09	83.2	208929613.09	83.2	208929613.09	562341325.19
21:54:00	21:54:00	79.6	100.8	88.1	67.9	1:04 PM	91201083.94	79.6	91201083.94	79.6	91201083.94	645654229.03
21:55:00	21:55:00	80.5	98.8	87.2	68.1	1:05 PM	112201845.43	80.5	112201845.43	80.5	112201845.43	524807460.25
21:56:00	21:56:00	83.2	100.7	88.2	67.9	1:06 PM	208929613.09	83.2	208929613.09	83.2	208929613.09	660693448.01
21:57:00	21:57:00	83.1	101.7	87.9	68	1:07 PM	204173794.47	83.1	204173794.47	83.1	204173794.47	616595001.86
21:58:00	21:58:00	83.3	102.4	88	69.9	1:08 PM	213796208.95	83.3	213796208.95	83.3	213796208.95	630957344.48
21:59:00	21:59:00	83.3	100.3	87.9	67.9	1:09 PM	213796208.95	83.3	213796208.95	83.3	213796208.95	616595001.86
22:00:00	22:00:00	83.9	101.2	88.2	67.9	1:10 PM	245470891.57	83.9	245470891.57	83.9	245470891.57	660693448.01
22:01:00	22:01:00	83.1	101.5	87.7	67.7	1:11 PM	204173794.47	83.1	204173794.47	83.1	204173794.47	588843655.36
22:02:00	22:02:00	83.7	99.8	87.5	67.6	1:12 PM	234422881.53	83.7	234422881.53	83.7	234422881.53	562341325.19
22:03:00	22:03:00	67.8	81.4	68.8	67.1	1:13 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7585775.75
22:04:00	22:04:00	68.3	82.7	69.1	67.2	1:14 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	81283051.62
22:05:00	22:05:00	70.9	93	76.1	68.5	1:15 PM	1230268.77	70.9	1230268.77	70.9	1230268.77	40738027.78
22:06:00	22:06:00	70.3	87.3	71.1	69.8	1:16 PM	10715193.05	70.3	10715193.05	70.3	10715193.05	12882495.52
22:07:00	22:07:00	72.7	97.4	80.2	68.2	1:17 PM	18620871.37	72.7	18620871.37	72.7	18620871.37	104712854.81
22:08:00	22:08:00	67.7	82.3	68.2	67.1	1:18 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	660693448.01
22:09:00	22:09:00	67.8	82.4	68.7	67.2	1:19 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7413102.41
22:10:00	22:10:00	67.8	85.6	69.8	67.1	1:20 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	9549925.86
22:11:00	22:11:00	67.7	81.5	68.2	67.1	1:21 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	660693448.01
22:12:00	22:12:00	68.6	86.2	71.7	67.4	1:22 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	14791

22:41:00	22:41:00	82.9	100.4	87.4	67.4	1:51 PM	194984459.98	82.9	194984459.98	82.9	194984459.98	549540873.86
22:42:00	22:42:00	82.1	99.9	87.6	67	1:52 PM	162181009.74	82.1	162181009.74	82.1	162181009.74	575439937.34
22:43:00	22:43:00	81.9	100.2	87	67.2	1:53 PM	154881661.89	81.9	154881661.89	81.9	154881661.89	501187233.63
22:44:00	22:44:00	82.2	100	87.4	67.1	1:54 PM	165958690.74	82.2	165958690.74	82.2	165958690.74	549540873.86
22:45:00	22:45:00	82.2	101.8	87.6	67	1:55 PM	165958690.74	82.2	165958690.74	82.2	165958690.74	575439937.34
22:46:00	22:46:00	83.2	100.7	87.6	67	1:56 PM	208929613.09	83.2	208929613.09	83.2	208929613.09	575439937.34
22:47:00	22:47:00	81.9	99.7	87.8	67	1:57 PM	154881661.89	81.9	154881661.89	81.9	154881661.89	602559586.07
22:48:00	22:48:00	82.6	100.3	88.1	67.7	1:58 PM	181970085.86	82.6	181970085.86	82.6	181970085.86	645654229.03
22:49:00	22:49:00	83.4	100	87.5	67.1	1:59 PM	218776162.39	83.4	218776162.39	83.4	218776162.39	562341325.19
22:50:00	22:50:00	82.5	100.4	87.9	66.8	2:00 PM	177827941.00	82.5	177827941.00	82.5	177827941.00	616595001.86
22:51:00	22:51:00	82.1	100	87.6	67.2	2:01 PM	162181009.74	82.1	162181009.74	82.1	162181009.74	575439937.34
22:52:00	22:52:00	81.8	100	87.2	67.1	2:02 PM	151356124.84	81.8	151356124.84	81.8	151356124.84	524807460.25
22:53:00	22:53:00	82.4	101.2	87.7	67.1	2:03 PM	173780082.87	82.4	173780082.87	82.4	173780082.87	588843655.36
22:54:00	22:54:00	82.3	100.8	87.6	66.8	2:04 PM	169824365.25	82.3	169824365.25	82.3	169824365.25	575439937.34
22:55:00	22:55:00	82.9	101.1	87.8	67.9	2:05 PM	194984459.98	82.9	194984459.98	82.9	194984459.98	602559586.07
22:56:00	22:56:00	83.4	101.2	88.2	67.8	2:06 PM	218776162.39	83.4	218776162.39	83.4	218776162.39	660693448.01
22:57:00	22:57:00	82.8	100.5	87.3	67.6	2:07 PM	190546071.80	82.8	190546071.80	82.8	190546071.80	537031796.37
22:58:00	22:58:00	81.9	101.7	88.2	67.4	2:08 PM	154881661.89	81.9	154881661.89	81.9	154881661.89	660693448.01
22:59:00	22:59:00	81.9	100.7	87.4	67.2	2:09 PM	154881661.89	81.9	154881661.89	81.9	154881661.89	549540873.86
23:00:00	23:00:00	77.8	100.9	87.9	67.6	2:10 PM	60255958.61	77.8	60255958.61	77.8	60255958.61	616595001.86
23:01:00	23:01:00	69.7	94.9	75.6	67.8	2:11 PM	9332543.01	69.7	9332543.01	69.7	9332543.01	36307805.48
23:02:00	23:02:00	80.8	110.4	87.4	67.4	2:12 PM	120226443.46	80.8	120226443.46	80.8	120226443.46	549540873.86
23:03:00	23:03:00	77.6	99.9	87.2	67.3	2:13 PM	57543993.73	77.6	57543993.73	77.6	57543993.73	524807460.25
23:04:00	23:04:00	68	88.2	71.4	67.4	2:14 PM	6309573.44	68	6309573.44	68	6309573.44	13803842.65
23:05:00	23:05:00	67.7	87.8	72.1	66.6	2:15 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	16218100.97
23:06:00	23:06:00	65.4	84.3	69.5	58.7	2:16 PM	3467368.50	65.4	3467368.50	65.4	3467368.50	8912509.38
23:07:00	23:07:00	60.2	81.4	63.7	59	2:17 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	2344228.82
23:08:00	23:08:00	60.3	77.1	63.4	58.8	2:18 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	2187761.62
23:09:00	23:09:00	59.8	83.3	62.7	58.9	2:19 PM	954992.59	59.8	954992.59	59.8	954992.59	1862087.14
23:10:00	23:10:00	61.3	85.1	64.7	59.2	2:20 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	2951209.23
23:11:00	23:11:00	60	76.4	63.6	58.8	2:21 PM	1000000.00	60	1000000.00	60	1000000.00	2290867.65
23:12:00	23:12:00	60.1	79.6	65.6	58.7	2:22 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	3630780.55
23:13:00	23:13:00	59.9	75.2	62.1	58.8	2:23 PM	977237.22	59.9	977237.22	59.9	977237.22	1621810.10
23:14:00	23:14:00	60.8	82.6	63.9	59	2:24 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	2454708.92
23:15:00	23:15:00	60.8	78.5	63	59.4	2:25 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	1995262.31
23:16:00	23:16:00	59.5	76.1	61.3	59	2:26 PM	891250.94	59.5	891250.94	59.5	891250.94	1348962.86
23:17:00	23:17:00	62.3	88.1	69.5	59	2:27 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	8912509.38
23:18:00	23:18:00	59.7	74.2	60.4	59.2	2:28 PM	933254.30	59.7	933254.30	59.7	933254.30	1096478.20
23:19:00	23:19:00	60.7	82.2	63.7	59	2:29 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	2344228.82
23:20:00	23:20:00	60.3	78.4	63.6	58.9	2:30 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	2290867.65
23:21:00	23:21:00	65.3	88.5	72.7	59.8	2:31 PM	3388441.56	65.3	3388441.56	65.3	3388441.56	18620871.37
23:22:00	23:22:00	60.4	78.1	65.2	59.1	2:32 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	3311311.21
23:23:00	23:23:00	60.6	80.8	64.8	59.1	2:33 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	3019951.72
23:24:00	23:24:00	61	77.7	63	59.7	2:34 PM	1258925.41	61	1258925.41	61	1258925.41	1995262.31
23:25:00	23:25:00	60.9	78.2	65.2	59.1	2:35 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	3311311.21
23:26:00	23:26:00	62.3	82.5	68	59.8	2:36 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	6309573.44
23:27:00	23:27:00	63.7	91.1	71.9	59.1	2:37 PM	2344228.82	63.7	2344228.82	63.7	2344228.82	15488166.19
23:28:00	23:28:00	61	78.2	65	59.1	2:38 PM	1258925.41	61	1258925.41	61	1258925.41	3162277.66
23:29:00	23:29:00	59.9	75.9	62.5	59.1	2:39 PM	977237.22	59.9	977237.22	59.9	977237.22	1778279.41
23:30:00	23:30:00	59.9	74.4	61.4	59.1	2:40 PM	977237.22	59.9	977237.22	59.9	977237.22	1380384.26
23:31:00	23:31:00	60.5	75.8	62.9	59.2	2:41 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	1949844.60
23:32:00	23:32:00	61.1	77.4	63.1	59.5	2:42 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	2041737.94
23:33:00	23:33:00	60.4	77.4	62.7	59.5	2:43 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	1862087.14
23:34:00	23:34:00	71.9	96.9	79.9	59.7	2:44 PM	15488166.19	71.9	15488166.19	71.9	15488166.19	97723722.10
23:35:00	23:35:00	65.2	89.5	75.2	59.5	2:45 PM	3311311.21	65.2	3311311.21	65.2	3311311.21	3311311.21
23:36:00	23:36:00	60.1	75.4	62.7	59.3	2:46 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	1862087.14
23:37:00	23:37:00	60.9	84.4	66.7	58.9	2:47 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	4677351.41
23:38:00	23:38:00	60.8	75.5	63.1	59	2:48 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	2041737.94
23:39:00	23:39:00	61	78.3	64.2	59.9	2:49 PM	1258925.41	61	1258925.41	61	1258925.41	2630267.99
23:40:00	23:40:00	60.6	85	66.5	59.6	2:50 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	4466835.92
23:41:00	23:41:00	62.7	82.2	70.5	59.9	2:51 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	11220184.54
23:42:00	23:42:00	60	75	62.1	59.1	2:52 PM	1000000.00	60	1000000.00	60	1000000.00	1621810.10
23:43:00	23:43:00	65.9	91.4	72.4	59.2	2:53 PM	3890451.45	65.9	3890451.45	65.9	3890451.45	17378008.29
23:44:00	23:44:00	59.7	74.2	61.3	59	2:54 PM	933254.30	59.7	933254.30	59.7	933254.30	1348962.88
23:45:00	23:45:00	61	76.9	64.1	59.4	2:55 PM	1258925.41	61	1258925.41	61	1258925.41	2570395.78
23:46:00	23:46:00	61	79.6	65.9	59.4	2:56 PM	1258925.41	61	1258925.41	61	1258925.41	3890451.45
23:47:00	23:47:00	63.2	83.7	68.6	59.6	2:57 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	7244359.60
23:48:00	23:48:00	60	75.8	62.9	59.2	2:58 PM	1000000.00	60	1000000.00	60	1000000.00	1949844.60
23:49:00	23:49:00	59.8	76.2	61.4	58.7	2:59 PM	954992.59	59.8	954992.59	59.8	954992.59	1380384.26
23:50:00	23:50:00	61.9	82.4	64.7	60.2	3:00 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	2951209.23
23:51:00	23:51:00	60.6	76.8	63.9	59.1	3:01 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	2454708.92
23:52:00	23:52:00	64.2	86.8	69	59.6	3:02 PM	2630267.99	64.2	2630267.99	64.2	2630267.99	7943282.35
23:53:00	23:53:00	61.4	84	65	59.1	3:03 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	3162277.66
23:54:00	23:54:00	60.2	75.5	62.1	59.4	3:04 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	1621810.10
23:55:00	23:55:00	62.5	83.1	68.9	59.1	3:05 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	7762471.17
23:56:00	23:56:00	60.4	75.3	62.6	59.4	3:06 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	1819700.86
23:57:00	23:57:00	60.4	82.4	61.9	59	3:07 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	1548816.62
23:58:00	23:58:00	60.3	74.5	61.8	59.3	3:08 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	1513561.25
23:59:00	23:59:00	60	76.4	63.4	58.9	3:09 PM						

## Summary

Serial Number           BIJ090010  
 Start Time               16:17:40 13-Apr-2022  
 Run Length              24:00:00 5529600

UNIT REV                R13B

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	113.8	
Date		16:15:29 13-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	62.1	62.1
Lmax	dB	101.1	101.1
Lmin	dB	54	53.9
Lpk	dB	119.5	119.5
TWA	dB	66.9	66.9
PTWA	dB	53.1	53.1
DOSE	%	4.89	4.85
PDOSE	%	0.2	0.2
SEL	dB	111.5	111.4
EXP	p2s	56	56

Measurement	Units	Value
LDN	dB	67.3
CNEL	dB	67
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	68.7
L08	dB	62.7
L25	dB	60.8
L50	dB	59.6

**CUP Site #2 - Measurement #1**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	5	0	00:00:00	3	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	101.1	68.7	66.6	65.6	64.7	64	63.5	63.1	62.7	62.4
10	62.2	62	61.9	61.8	61.6	61.6	61.5	61.4	61.3	61.2
20	61.1	61.1	61	60.9	60.8	60.8	60.7	60.6	60.6	60.5
30	60.5	60.4	60.4	60.3	60.2	60.2	60.2	60.1	60.1	60
40	60	59.9	59.9	59.8	59.8	59.8	59.7	59.7	59.6	59.6
50	59.6	59.5	59.5	59.4	59.4	59.4	59.3	59.3	59.3	59.2
60	59.2	59.2	59.1	59.1	59	59	59	58.9	58.9	58.9
70	58.8	58.8	58.7	58.7	58.7	58.6	58.5	58.5	58.4	58.3
80	58.2	58.2	58.1	58	57.9	57.8	57.7	57.6	57.5	57.4
90	57.3	57.2	57	56.9	56.7	56.6	56.4	56.1	55.9	55.5

Raw Stat Table

dB	Count
54	15
54.1	42
54.2	185
54.3	178
54.4	195
54.5	467
54.6	913
54.7	692
54.8	1083
54.9	1572
55	2981
55.1	4517
55.2	6129
55.3	6549
55.4	8214
55.5	11029
55.6	12222
55.7	12504
55.8	14200
55.9	16737
56	21622
56.1	26612
56.2	18477
56.3	23746
56.4	23351
56.5	25070
56.6	28790
56.7	31178
56.8	34612
56.9	34792
57	37048

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
54	0	0	0	0	0	0	0.01	0.01	0.01	0.02
55	0.05	0.08	0.11	0.11	0.14	0.19	0.22	0.22	0.25	0.3
56	0.39	0.48	0.33	0.42	0.42	0.45	0.52	0.56	0.62	0.62
57	0.66	0.71	0.77	0.83	0.97	0.99	1.01	1.02	0.95	1.02
58	1.04	1.1	1.11	1.2	1.24	1.31	1.47	1.8	2.19	2.52
59	2.74	3.04	2.37	2.71	2.89	2.76	2.64	2.53	2.39	2.36
60	2.35	2.24	2.17	2.06	1.93	1.87	1.7	1.63	1.46	1.39
61	1.35	1.33	1.32	1.32	1.3	1.2	1.1	1	0.96	0.89
62	0.82	0.71	0.52	0.29	0.47	0.42	0.38	0.33	0.3	0.28
63	0.26	0.24	0.25	0.27	0.25	0.23	0.21	0.18	0.16	0.16
64	0.16	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13
65	0.12	0.13	0.14	0.08	0.12	0.11	0.1	0.1	0.1	0.09
66	0.1	0.1	0.09	0.11	0.1	0.09	0.08	0.07	0.06	0.06
67	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04
68	0.04	0.04	0.04	0.02	0.03	0.03	0.03	0.03	0.03	0.02
69	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
70	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.01	0.01

**CUP Site #2 - Measurement #1**

Summary

71	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0
72	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
96	0	0	0	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0
101	0	0								

57.1	39712
57.2	42776
57.3	45973
57.4	53659
57.5	54876
57.6	56115
57.7	56711
57.8	52702
57.9	56808
58	57892
58.1	61374
58.2	61659
58.3	66357
58.4	68723
58.5	72889
58.6	81606
58.7	99846
58.8	121536
58.9	139427
59	151973
59.1	168466
59.2	131492
59.3	150278
59.4	160066
59.5	152865
59.6	146529
59.7	140298
59.8	132212
59.9	130985
60	130274
60.1	124389
60.2	120469
60.3	114219
60.4	107243
60.5	103704
60.6	94245
60.7	90251
60.8	81097
60.9	76935
61	75021
61.1	73802
61.2	73352
61.3	73071

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		64.3	88.2	69.9	60.9
	0:02:00	0:02:00		65.3	85.4	69.7	60.1
	0:03:00	0:03:00		62.4	83.2	67.5	61
	0:04:00	0:04:00		61.1	77.5	62.9	60.1
	0:05:00	0:05:00		62.7	82.4	67.2	60.2
	0:06:00	0:06:00		62	78	65.9	60.7
	0:07:00	0:07:00		61.9	76.2	63	60.6
	0:08:00	0:08:00		61.7	80.1	65.8	60.4
	0:09:00	0:09:00		64.3	83.7	69.3	60.4
	0:10:00	0:10:00		65.6	88.5	72.4	61.1
	0:11:00	0:11:00		62.3	82.6	67.3	60.7
	0:12:00	0:12:00		65.5	87.4	71.6	61.6
	0:13:00	0:13:00		65.8	87.9	72.1	61.4
	0:14:00	0:14:00		62.3	76.4	63.2	61.3
	0:15:00	0:15:00		64.7	81.9	67.2	61.8
	0:16:00	0:16:00		65.8	86.4	71.5	61.5
	0:17:00	0:17:00		61.9	76.7	63.2	60.7
	0:18:00	0:18:00		61.7	77.3	63.8	60.3
	0:19:00	0:19:00		64.2	83.5	68.4	61.8
	0:20:00	0:20:00		62.7	78.3	65.2	61.5
	0:21:00	0:21:00		62	79.8	63.8	60.6
	0:22:00	0:22:00		63.2	79.6	65.2	62
	0:23:00	0:23:00		65.3	85	70.7	60.6
	0:24:00	0:24:00		62.5	81.7	65.4	61.1
	0:25:00	0:25:00		66.1	87.4	72.2	60.4
	0:26:00	0:26:00		62.5	79	66.5	60.4
	0:27:00	0:27:00		64.6	86.5	70.9	60.8
	0:28:00	0:28:00		61.3	79.1	66.2	59.1
	0:29:00	0:29:00		64	85.5	67.8	60.3
	0:30:00	0:30:00		64.3	81.3	66.3	62.3
	0:31:00	0:31:00		63.5	84.7	67.4	61.5
	0:32:00	0:32:00		65.1	83.5	68.8	61.8
	0:33:00	0:33:00		65.2	85.7	69.1	60.9
	0:34:00	0:34:00		62.2	77.3	63.5	60.9
	0:35:00	0:35:00		64.4	85.2	70.1	61.6
	0:36:00	0:36:00		62.5	78.9	65.5	61.2
	0:37:00	0:37:00		62.3	77.5	64.7	61.2
	0:38:00	0:38:00		66	87.7	71.5	61.3
	0:39:00	0:39:00		65.5	90.2	72.3	61.3
	0:40:00	0:40:00		63.7	81.1	67.5	61.4
	0:41:00	0:41:00		61.9	76.3	63.2	60.6
	0:42:00	0:42:00		60.6	75.9	61.5	59.7
	0:43:00	0:43:00		64.4	87.4	70.9	60.6
	0:44:00	0:44:00		65.7	86.2	70.8	60.8
	0:45:00	0:45:00		62.2	82.4	68.4	60.5
	0:46:00	0:46:00		64.7	87.3	70.6	60.8
	0:47:00	0:47:00		61.1	75.5	62.5	60.2
	0:48:00	0:48:00		63.4	82.6	67.8	61.4
	0:49:00	0:49:00		65.2	85.4	70.7	62.1
	0:50:00	0:50:00		64.8	84.2	68.4	62.7
	0:51:00	0:51:00		65.7	87.7	75.6	61.8
	0:52:00	0:52:00		62.5	77.6	63.8	61.4
	0:53:00	0:53:00		65	84	68.3	61.7
	0:54:00	0:54:00		65.6	84.4	70.4	61.6
	0:55:00	0:55:00		64.1	82.8	68.3	61.8
	0:56:00	0:56:00		63.7	80.9	66.4	61.8
	0:57:00	0:57:00		62.3	80	64.2	61.2
	0:58:00	0:58:00		61.7	76.1	63	60.1
	0:59:00	0:59:00		63	82.4	68	59.8
	1:00:00	1:00:00		65.6	84.9	69.8	61.2
	1:01:00	1:01:00		61.1	77	62	60.2
	1:02:00	1:02:00		65.7	85.6	70.4	60.4
	1:03:00	1:03:00		64.1	89	70.1	61.1
	1:04:00	1:04:00		63.1	86.9	72.7	61.2
	1:05:00	1:05:00		61.8	75.9	63	60.7
	1:06:00	1:06:00		62.7	85	66.9	61.1
	1:07:00	1:07:00		61.9	76.7	63.3	61.2
	1:08:00	1:08:00		62.5	78.5	63.6	61.6
	1:09:00	1:09:00		64.5	84.6	68.3	61.8
	1:10:00	1:10:00		63.5	86	69	60.9
	1:11:00	1:11:00		64.1	83.7	67.9	61.9
	1:12:00	1:12:00		65.7	87.4	70.8	61.1
	1:13:00	1:13:00		63.4	80.7	67.7	61.4
	1:14:00	1:14:00		64.4	84.4	68.8	61.4
	1:15:00	1:15:00		60.8	74.9	61.7	60
	1:16:00	1:16:00		62.8	81.5	67.3	60.1
	1:17:00	1:17:00		60.7	74.9	61.8	59.4
	1:18:00	1:18:00		60.7	79.7	63.2	59.5
	1:19:00	1:19:00		63.2	82.6	66.7	60.7
	1:20:00	1:20:00		63.4	80.3	66.6	60.8
	1:21:00	1:21:00		64.4	83.7	67.6	61.3
	1:22:00	1:22:00		63.1	84	69.4	60.4
	1:23:00	1:23:00		62.8	86.2	67.4	61.5
	1:24:00	1:24:00		62.7	81	66.3	61.3
	1:25:00	1:25:00		61.4	79	63.7	60.1
	1:26:00	1:26:00		60.9	77.4	63.5	59.7
	1:27:00	1:27:00		62.6	78.3	65.7	60
	1:28:00	1:28:00		61	78.2	62.3	60
	1:29:00	1:29:00		61.7	76.9	62.6	60.5
	1:30:00	1:30:00		61	75.9	62	60.1
	1:31:00	1:31:00		61.3	79.1	64.1	59.7
	1:32:00	1:32:00		60.9	79.9	64.6	59.7
	1:33:00	1:33:00		61.3	77.7	64	59.9
	1:34:00	1:34:00		62.4	79.8	64.8	59.8
	1:35:00	1:35:00		63.2	88.3	69	61
	1:36:00	1:36:00		62.6	81.6	67	60.9
	1:37:00	1:37:00		64.7	84.8	70.7	60.4
	1:38:00	1:38:00		62.9	81.2	67	60.7
	1:39:00	1:39:00		64.2	84.6	71.8	60
	1:40:00	1:40:00		64.6	87.2	70.7	60.3

	Daytime	Nighttime
L <sub>eq</sub>	63.0	60.0
L <sub>max</sub>	101.1	81.6
CNEL	67.0	
L <sub>dn</sub>	67.0	
L <sub>50</sub>	63.0	60.4
L <sub>25</sub>	64.5	61.2
L <sub>1.7</sub>	73.7	63.3
L <sub>1.7</sub>	85.5	67.8
L <sub>max</sub>	101.1	81.6

7:30 a.m. - 9:30 p.m.  
9:30 p.m. - 7:30 a.m.

	L <sub>eq</sub>	L <sub>max</sub>
7:30 a.m. - 9:30 p.m.	63.2	101.1
9:30 p.m. - 7:30 a.m.	60.1	81.6

Time	L <sub>eq</sub> 10 <sup>(N/10)</sup>	CNEL	CNEL 10 <sup>(N/10)</sup>	L <sub>dn</sub>	L <sub>dn</sub> 10 <sup>(N/10)</sup>	L <sub>max</sub> 10 <sup>(N/10)</sup>
4:17 PM						
4:18 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	9772372.21
4:19 PM	3388441.56	65.3	3388441.56	65.3	3388441.56	9332543.01
4:20 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	5623413.25
4:21 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	1949844.60
4:22 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	5248074.60
4:23 PM	1584893.19	62	1584893.19	62.0	1584893.19	3890451.45
4:24 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	1995262.31
4:25 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	3801893.96
4:26 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	8511380.38
4:27 PM	3630780.55	65.6	3630780.55	65.6	3630780.55	17378008.29
4:28 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	5370317.96
4:29 PM	3548133.89	65.5	3548133.89	65.5	3548133.89	14454397.71
4:30 PM	3801893.96	65.8	3801893.96	65.8	3801893.96	16218100.97
4:31 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	2089296.13
4:32 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	5248074.60
4:33 PM	3801893.96	65.8	3801893.96	65.8	3801893.96	14125375.45
4:34 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	2089296.13
4:35 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	2398832.92
4:36 PM	2630267.99	64.2	2630267.99	64.2	2630267.99	6918309.71
4:37 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	3311311.21
4:38 PM	1584893.19	62	1584893.19	62.0	1584893.19	2398832.92
4:39 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	3311311.21
4:40 PM	3388441.56	65.3	3388441.56	65.3	3388441.56	11748975.55
4:41 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	3467368.50
4:42 PM	4073802.78	66.1	4073802.78	66.1	4073802.78	16595869.07
4:43 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	4466835.92
4:44 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	12302687.71
4:45 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	4168693.83
4:46 PM	2511886.43	64	2511886.43	64.0	2511886.43	6025595.86
4:47 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	4265795.19
4:48 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	5495408.74
4:49 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	7585775.75
4:50 PM	3311311.21	65.2	3311311.21	65.2	3311311.21	8128305.16
4:51 PM	1659586.91	62.2	1659586.91	62.2	1659586.91	2238721.14
4:52 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	10232929.92
4:53 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	3548133.89
4:54 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	2951209.23
4:55 PM	3981071.71	66	3981071.71	66.0	3981071.71	14125375.45
4:56 PM	3548133.89	65.5	3548133.89	65.5	3548133.89	16982436.52
4:57 PM	2344228.82	63.7	2344228.82	63.7	2344228.82	5623413.25
4:58 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	2089296.13
4:59 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	1412537.54
5:00 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	12302687.71
5:01 PM	3715352.29					

## Data

1:41:00	1:41:00	61.4	75.9	64	60.4	5:58 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	2511886.43
1:42:00	1:42:00	61.8	77.7	65.6	60.2	5:59 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	3630780.55
1:43:00	1:43:00	60.7	74.8	61.5	59.7	6:00 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	1412537.54
1:44:00	1:44:00	60.6	75.6	61.7	59.7	6:01 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	1479108.39
1:45:00	1:45:00	62.9	83.7	69.7	60.6	6:02 PM	1949844.60	62.9	1949844.60	62.9	1949844.60	9332543.01
1:46:00	1:46:00	68.1	91.5	77.6	60.3	6:03 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	57543993.73
1:47:00	1:47:00	61.2	75.3	62.1	60.2	6:04 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	1621810.10
1:48:00	1:48:00	61.6	77	64.5	60.5	6:05 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	2818382.93
1:49:00	1:49:00	63.7	86.4	71.4	60.2	6:06 PM	2344228.82	63.7	2344228.82	63.7	2344228.82	13803842.65
1:50:00	1:50:00	63.4	86.3	71.6	60.1	6:07 PM	2187761.62	63.4	2187761.62	63.4	2187761.62	14454397.71
1:51:00	1:51:00	59.9	74.3	60.8	59.4	6:08 PM	977237.22	59.9	977237.22	59.9	977237.22	1202264.43
1:52:00	1:52:00	60.8	85.7	66.8	59	6:09 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	4786300.92
1:53:00	1:53:00	60.2	74.6	61.8	59.1	6:10 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	1513561.25
1:54:00	1:54:00	65	82.5	68.1	61	6:11 PM	3162277.66	65	3162277.66	65.0	3162277.66	6456542.29
1:55:00	1:55:00	61	75.2	61.5	60.4	6:12 PM	1258925.41	61	1258925.41	61.0	1258925.41	1412537.54
1:56:00	1:56:00	60.9	77.2	62.8	60.1	6:13 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	1905460.72
1:57:00	1:57:00	61	74.9	61.6	60.4	6:14 PM	1258925.41	61	1258925.41	61.0	1258925.41	1445439.77
1:58:00	1:58:00	60.7	75.7	62.7	60	6:15 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	1862087.14
1:59:00	1:59:00	60.6	75.8	61.4	59.9	6:16 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	1380384.26
2:00:00	2:00:00	60.7	83.1	65.1	59.5	6:17 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	3235936.57
2:01:00	2:01:00	64.8	84.3	70.9	59.9	6:18 PM	3019951.72	64.8	3019951.72	64.8	3019951.72	12302687.71
2:02:00	2:02:00	60.6	74.7	61.8	59.3	6:19 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	1513561.25
2:03:00	2:03:00	61.4	76.2	63.1	59.7	6:20 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	2041737.94
2:04:00	2:04:00	61.5	81.4	65	60.1	6:21 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	3162277.66
2:05:00	2:05:00	60.5	74	61	59.8	6:22 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	1258925.41
2:06:00	2:06:00	65.5	86.8	71.8	60.5	6:23 PM	3548133.89	65.5	3548133.89	65.5	3548133.89	15135612.48
2:07:00	2:07:00	61.1	79.9	64	60.1	6:24 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	2511886.43
2:08:00	2:08:00	61.7	80.9	66	60	6:25 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	3981071.71
2:09:00	2:09:00	61.1	76.4	62.1	60.1	6:26 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	1621810.10
2:10:00	2:10:00	66.5	89.5	74.1	60.8	6:27 PM	4466835.92	66.5	4466835.92	66.5	4466835.92	25703957.83
2:11:00	2:11:00	61.9	77.9	63.9	60.4	6:28 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	2454708.92
2:12:00	2:12:00	61.8	79.3	64.7	60.1	6:29 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	2951209.23
2:13:00	2:13:00	61.4	76.4	62.5	60.3	6:30 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	1778279.41
2:14:00	2:14:00	61.2	75.9	62.7	60.1	6:31 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	1862087.14
2:15:00	2:15:00	60.7	76.5	61.7	59.5	6:32 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	1479108.39
2:16:00	2:16:00	60.9	76.7	62.9	59.7	6:33 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	1949844.60
2:17:00	2:17:00	60.2	74.2	60.7	59.6	6:34 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	1174897.55
2:18:00	2:18:00	60.1	74.9	60.7	59.6	6:35 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	1174897.55
2:19:00	2:19:00	61.9	81.2	66.4	59.9	6:36 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	4365158.32
2:20:00	2:20:00	66.1	87.7	72.9	60.5	6:37 PM	4073802.78	66.1	4073802.78	66.1	4073802.78	19498446.00
2:21:00	2:21:00	62.1	76.6	63.3	61	6:38 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	2137962.09
2:22:00	2:22:00	61	74.8	61.8	59.8	6:39 PM	1258925.41	61	1258925.41	61.0	1258925.41	1513561.25
2:23:00	2:23:00	61.5	76.3	62.4	60.6	6:40 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	1737800.83
2:24:00	2:24:00	61.4	77.4	63.3	60.5	6:41 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	2137962.09
2:25:00	2:25:00	65.4	86.9	69.7	61.1	6:42 PM	3467368.50	65.4	3467368.50	65.4	3467368.50	9332543.01
2:26:00	2:26:00	64.8	85.5	70.3	60	6:43 PM	3019951.72	64.8	3019951.72	64.8	3019951.72	10715193.05
2:27:00	2:27:00	60.9	78.8	64.5	60	6:44 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	2818382.93
2:28:00	2:28:00	60.8	74.9	61.5	60	6:45 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	1412537.54
2:29:00	2:29:00	60.7	76	61.4	60	6:46 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	1380384.26
2:30:00	2:30:00	63.7	83.1	67.9	60.1	6:47 PM	2344228.82	63.7	2344228.82	63.7	2344228.82	6165950.02
2:31:00	2:31:00	62.5	82.3	69.1	59.6	6:48 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	8128305.16
2:32:00	2:32:00	60.8	78	64.3	60	6:49 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	2691534.80
2:33:00	2:33:00	64.9	84.1	70.8	60.3	6:50 PM	3090295.43	64.9	3090295.43	64.9	3090295.43	12022644.35
2:34:00	2:34:00	60.9	76.2	62.5	59.6	6:51 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	1778279.41
2:35:00	2:35:00	61.1	79.9	65	59.4	6:52 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	3162277.66
2:36:00	2:36:00	65.8	89.3	73.6	60.1	6:53 PM	3801893.96	65.8	3801893.96	65.8	3801893.96	22908676.53
2:37:00	2:37:00	60.2	75	61.6	59.3	6:54 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	1445439.77
2:38:00	2:38:00	64.4	82.2	68.6	60.3	6:55 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	7244359.60
2:39:00	2:39:00	60.8	74.8	61.8	59.7	6:56 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	1513561.25
2:40:00	2:40:00	61.5	76	63.6	59.9	6:57 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	2290867.65
2:41:00	2:41:00	65.3	87	71.9	60.1	6:58 PM	3388441.56	65.3	3388441.56	65.3	3388441.56	15488166.19
2:42:00	2:42:00	60.1	74.8	60.8	59.6	6:59 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	1202264.43
2:43:00	2:43:00	62.7	80.9	67.1	59.3	7:00 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	5128613.84
2:44:00	2:44:00	60.5	75.2	61.9	59.4	7:01 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	1548816.62
2:45:00	2:45:00	62	78	64.9	60.6	7:02 PM	1584893.19	62	1584893.19	62.0	1584893.19	3090295.43
2:46:00	2:46:00	64.9	91	72.5	60	7:03 PM	3090295.43	64.9	3090295.43	64.9	3090295.43	1778279.41
2:47:00	2:47:00	60	74.1	60.6	58.9	7:04 PM	1000000.00	60	1000000.00	60.0	1000000.00	1148153.62
2:48:00	2:48:00	60	74.2	60.6	59.6	7:05 PM	1000000.00	60	1000000.00	60.0	1000000.00	1148153.62
2:49:00	2:49:00	59.9	74.1	60.8	59.4	7:06 PM	977237.22	59.9	977237.22	59.9	977237.22	1202264.43
2:50:00	2:50:00	59.9	74.2	60.7	59.4	7:07 PM	977237.22	59.9	977237.22	59.9	977237.22	1174897.55
2:51:00	2:51:00	59.8	73.9	60.5	59.1	7:08 PM	954992.59	59.8	954992.59	59.8	954992.59	1122018.45
2:52:00	2:52:00	59.7	73.9	60.3	58.9	7:09 PM	933254.30	59.7	933254.30	59.7	933254.30	1071519.31
2:53:00	2:53:00	61.2	83.6	68.9	59.3	7:10 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	7762471.17
2:54:00	2:54:00	61	80.5	66.8	59.7	7:11 PM	1258925.41	61	1258925.41	61.0	1258925.41	4786300.92
2:55:00	2:55:00	60.5	75.3	61.4	59.6	7:12 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	1380384.26
2:56:00	2:56:00	65.9	86.9	72.7	60.8	7:13 PM	3890451.45	65.9	3890451.45	65.9	3890451.45	18620871.37
2:57:00	2:57:00	61	75.6	62.1	59.8	7:14 PM	1258925.41	61	1258925.41	61.0	1258925.41	1621810.10
2:58:00	2:58:00	61.6	76.1	62.5	61	7:15 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	1778279.41
2:59:00	2:59:00	61.3	76.5	63.5	60.2	7:16 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	2238721.14
3:00:00	3:00:00	66.9	94.8	78.5	60.4	7:17 PM	4897788.19	66.9	4897788.19	66.9	4897788.19	70794578.44
3:01:00	3:01:00	61.2	75.6	61.8								

Data

3:26:00	3:26:00	61.7	77.3	62.6	61	7:43 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	1819700.86
3:27:00	3:27:00	61.7	76.4	62.5	60.7	7:44 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	1778279.41
3:28:00	3:28:00	61.4	75.7	62.5	60.6	7:45 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	1778279.41
3:29:00	3:29:00	61.6	81.1	65.4	60.6	7:46 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	3467368.50
3:30:00	3:30:00	61.2	76	62.3	60.6	7:47 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	1698243.65
3:31:00	3:31:00	61.2	75.4	62.1	60.3	7:48 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	1621810.10
3:32:00	3:32:00	61.6	77.5	62.7	60.9	7:49 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	1862087.14
3:33:00	3:33:00	61.6	79.6	64.3	60.4	7:50 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	2691534.80
3:34:00	3:34:00	62.2	80.8	66.3	60.4	7:51 PM	1659586.91	67.2	5248074.60	62.2	1659586.91	4265795.19
3:35:00	3:35:00	61.3	75.6	61.9	60.7	7:52 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	1548816.62
3:36:00	3:36:00	61.2	75.4	62.2	60.4	7:53 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	1659586.91
3:37:00	3:37:00	61.5	75.9	62	61	7:54 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1584893.19
3:38:00	3:38:00	61.3	75.5	61.8	60.8	7:55 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	1513561.25
3:39:00	3:39:00	61.4	76.8	62.2	60.8	7:56 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	1659586.91
3:40:00	3:40:00	61.7	75.7	62.9	60.7	7:57 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	1949844.60
3:41:00	3:41:00	61.4	76.9	63.2	60.5	7:58 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	2089296.13
3:42:00	3:42:00	61.7	75.7	62.8	60.6	7:59 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	1905460.72
3:43:00	3:43:00	61.5	75.9	62.7	60.5	8:00 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1862087.14
3:44:00	3:44:00	61.4	75.3	61.9	60.9	8:01 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	1548816.62
3:45:00	3:45:00	61.6	75.6	63	60.6	8:02 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	1995262.31
3:46:00	3:46:00	61.7	76.6	64.5	60.9	8:03 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	2818382.93
3:47:00	3:47:00	61.5	76.6	62.3	60.8	8:04 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1698243.65
3:48:00	3:48:00	61.7	75.5	62.4	60.9	8:05 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	1737800.83
3:49:00	3:49:00	61.1	74.6	61.8	60.2	8:06 PM	1288249.55	66.1	4073802.78	61.1	1288249.55	1513561.25
3:50:00	3:50:00	61.5	76	62	60.8	8:07 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1584893.19
3:51:00	3:51:00	64.9	88.3	73.8	61.1	8:08 PM	3090295.43	69.9	9772372.21	64.9	3090295.43	23988329.19
3:52:00	3:52:00	63.7	83.8	71.1	61.1	8:09 PM	2344228.82	68.7	7413102.41	63.7	2344228.82	12882495.52
3:53:00	3:53:00	61.4	76.7	62.4	60	8:10 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	1737800.83
3:54:00	3:54:00	61.7	76.5	62.7	60.9	8:11 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	1862087.14
3:55:00	3:55:00	61.6	75.4	62.2	60.8	8:12 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	1659586.91
3:56:00	3:56:00	61.5	76.5	62.5	60.4	8:13 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1778279.41
3:57:00	3:57:00	61.3	76.5	62.5	60.3	8:14 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	1778279.41
3:58:00	3:58:00	60.8	75.2	61.7	60.1	8:15 PM	1202264.43	65.8	3801893.96	60.8	1202264.43	1479108.39
3:59:00	3:59:00	61.5	76.4	62.7	60.6	8:16 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1862087.14
4:00:00	4:00:00	61.3	76.1	61.7	60.7	8:17 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	1479108.39
4:01:00	4:01:00	61.2	75.1	61.7	60.6	8:18 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	1479108.39
4:02:00	4:02:00	60.9	74.7	61.4	60.1	8:19 PM	1230268.77	65.9	3890451.45	60.9	1230268.77	1380384.26
4:03:00	4:03:00	64	88.6	71.2	60.7	8:20 PM	2511886.43	69	7943282.35	64.0	2511886.43	13182567.39
4:04:00	4:04:00	61.6	75.6	63	60.5	8:21 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	1995262.31
4:05:00	4:05:00	61.5	76.5	61.9	61.1	8:22 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	1548816.62
4:06:00	4:06:00	65.8	86.5	71.1	61.4	8:23 PM	3801893.96	70.8	12022644.35	65.8	3801893.96	12882495.52
4:07:00	4:07:00	61.6	75.1	62.6	60.9	8:24 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	1819700.86
4:08:00	4:08:00	61.7	76.1	62.4	60.7	8:25 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	1737800.83
4:09:00	4:09:00	61.2	75.8	61.9	60	8:26 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	1548816.62
4:10:00	4:10:00	61.4	75.5	62	60.8	8:27 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	1584893.19
4:11:00	4:11:00	61.9	75.8	62.7	60.6	8:28 PM	1548816.62	66.9	4897788.19	61.9	1548816.62	1862087.14
4:12:00	4:12:00	61.2	75.2	62	60.5	8:29 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	1584893.19
4:13:00	4:13:00	61.4	76	62.7	60.5	8:30 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	1862087.14
4:14:00	4:14:00	62.5	83.8	65.4	60.7	8:31 PM	1778279.41	67.5	5623413.25	62.5	1778279.41	3467368.50
4:15:00	4:15:00	63	82	67.2	60.9	8:32 PM	1995262.31	68	6309573.44	63.0	1995262.31	5248074.60
4:16:00	4:16:00	61.5	80.6	65.5	60.2	8:33 PM	1412537.54	66.5	4466835.92	61.5	1412537.54	3548133.89
4:17:00	4:17:00	61.6	76.6	63.3	60.4	8:34 PM	1445439.77	66.6	4570881.90	61.6	1445439.77	2137962.09
4:18:00	4:18:00	67.1	87.8	72.4	60.1	8:35 PM	5128613.84	72.1	16218100.97	67.1	5128613.84	17378008.29
4:19:00	4:19:00	61	75.5	62	60.2	8:36 PM	1258925.41	66	3981071.71	61.0	1258925.41	1584893.19
4:20:00	4:20:00	60.7	75.1	61.6	59.6	8:37 PM	1174897.55	65.7	3715352.29	60.7	1174897.55	1445439.77
4:21:00	4:21:00	60.7	75.3	61.6	59.8	8:38 PM	1174897.55	65.7	3715352.29	60.7	1174897.55	1445439.77
4:22:00	4:22:00	60.9	75.6	61.6	60.3	8:39 PM	1230268.77	65.9	3890451.45	60.9	1230268.77	1445439.77
4:23:00	4:23:00	61.8	79.8	66.1	60.4	8:40 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	4073802.78
4:24:00	4:24:00	60.9	76	61.8	60.1	8:41 PM	1230268.77	65.9	3890451.45	60.9	1230268.77	1513561.25
4:25:00	4:25:00	63.5	83.5	67.6	60.6	8:42 PM	2238721.14	68.5	7079457.84	63.5	2238721.14	5754399.37
4:26:00	4:26:00	62.6	83.1	66.6	61.1	8:43 PM	1819700.86	67.6	5754399.37	62.6	1819700.86	4570881.90
4:27:00	4:27:00	61.4	76.9	63.2	60.4	8:44 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	2089296.13
4:28:00	4:28:00	64.3	82.8	68.8	61.1	8:45 PM	2691534.80	69.3	8511380.38	64.3	2691534.80	7585775.75
4:29:00	4:29:00	68.8	90.8	76.8	60.8	8:46 PM	7585775.75	73.8	23988329.19	68.8	7585775.75	47863009.23
4:30:00	4:30:00	61.2	75.6	62.2	60	8:47 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	1659586.91
4:31:00	4:31:00	67.1	96.5	78.9	61.2	8:48 PM	5128613.84	72.1	16218100.97	67.1	5128613.84	77624711.66
4:32:00	4:32:00	61.4	76.7	62.8	60.4	8:49 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	1905460.72
4:33:00	4:33:00	61.3	75.7	62.4	59.8	8:50 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	1737800.83
4:34:00	4:34:00	61.9	77	63.4	60.3	8:51 PM	1548816.62	66.9	4897788.19	61.9	1548816.62	2187761.62
4:35:00	4:35:00	62.9	79.8	66.1	60.9	8:52 PM	1949844.60	67.9	6165950.02	62.9	1949844.60	4073802.78
4:36:00	4:36:00	61	75.4	62.8	60.1	8:53 PM	1258925.41	66	3981071.71	61.0	1258925.41	1905460.72
4:37:00	4:37:00	60.6	75	61.3	59.5	8:54 PM	1148153.62	65.6	3630780.55	60.6	1148153.62	1348962.88
4:38:00	4:38:00	60.7	75	61.5	59.9	8:55 PM	1174897.55	65.7	3715352.29	60.7	1174897.55	1412537.54
4:39:00	4:39:00	60.8	75.5	61.8	60	8:56 PM	1202264.43	65.8	3801893.96	60.8	1202264.43	1513561.25
4:40:00	4:40:00	60.3	74.9	61.7	59.5	8:57 PM	1071519.31	65.3	3388441.56	60.3	1071519.31	1479108.39
4:41:00	4:41:00	60.5	74.5	61.9	59.8	8:58 PM	1122018.45	65.5	3548133.89	60.5	1122018.45	1548816.62
4:42:00	4:42:00	61.7	77	63.4	60	8:59 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	2187761.62
4:43:00	4:43:00	60.2	74.4	61.1	59	9:00 PM	1047128.55	65.2	3311311.21	60.2	1047128.55	1288249.55
4:44:00	4:44:00	60	73.9	61.1	59.5	9:01 PM	1000000.00	65	3162277.66	60.0	1000000.00	1288249.55
4:45:00	4:45:00	60.2	74.4	61.3	59.4	9:02 PM	1047128.55	65.2	3311311.21	60.2	1047128.55	1348962.88
4:46:00	4:46											

Data

5:11:00	5:11:00	60.9	75.6	62	59.9	9:28 PM	1230268.77	65.9	3890451.45	60.9	1230268.77	1584893.19
5:12:00	5:12:00	60.3	74.4	60.9	59.5	9:29 PM	1071519.31	65.3	3388441.56	60.3	1071519.31	1230268.77
5:13:00	5:13:00	60.1	74.6	61.1	59	9:30 PM	1023292.99	65.1	3235936.57	60.1	1023292.99	1288249.55
5:14:00	5:14:00	60.6	78.3	61.2	60	9:31 PM	1148153.62	65.6	3630780.55	60.6	1148153.62	1318256.74
5:15:00	5:15:00	60.4	74.7	61.5	59.8	9:32 PM	1096478.20	65.4	3467368.50	60.4	1096478.20	1412537.54
5:16:00	5:16:00	60.5	77.6	61.5	59.4	9:33 PM	1122018.45	65.5	3548133.89	60.5	1122018.45	1412537.54
5:17:00	5:17:00	61.7	75.6	62.8	60.1	9:34 PM	1479108.39	66.7	4677351.41	61.7	1479108.39	1905460.72
5:18:00	5:18:00	61.1	75.6	62.7	59.9	9:35 PM	1288249.55	66.1	4073802.78	61.1	1288249.55	1862087.14
5:19:00	5:19:00	60.2	74.4	60.9	59.5	9:36 PM	1047128.55	65.2	3311311.21	60.2	1047128.55	1230268.77
5:20:00	5:20:00	60.3	74.4	61.4	59.5	9:37 PM	1071519.31	65.3	3388441.56	60.3	1071519.31	1380384.26
5:21:00	5:21:00	60.4	77.1	61.7	59.4	9:38 PM	1096478.20	65.4	3467368.50	60.4	1096478.20	1479108.39
5:22:00	5:22:00	60.2	74.1	61.4	59.3	9:39 PM	1047128.55	65.2	3311311.21	60.2	1047128.55	1380384.26
5:23:00	5:23:00	60.6	75.4	61.5	59.8	9:40 PM	1148153.62	65.6	3630780.55	60.6	1148153.62	1412537.54
5:24:00	5:24:00	60.8	76.5	61.8	59.6	9:41 PM	1202264.43	65.8	3801893.96	60.8	1202264.43	1513561.25
5:25:00	5:25:00	60.5	74.9	61.3	59.9	9:42 PM	1122018.45	65.5	3548133.89	60.5	1122018.45	1348962.88
5:26:00	5:26:00	60.8	74.8	61.9	59.8	9:43 PM	1202264.43	65.8	3801893.96	60.8	1202264.43	1548816.62
5:27:00	5:27:00	60	74.3	60.9	59.1	9:44 PM	1000000.00	65	3162277.66	60.0	1000000.00	1230268.77
5:28:00	5:28:00	59.8	74	60.5	59.2	9:45 PM	954992.59	64.8	3019951.72	59.8	954992.59	1122018.45
5:29:00	5:29:00	60.1	74.2	60.8	59.5	9:46 PM	1023292.99	65.1	3235936.57	60.1	1023292.99	1202264.43
5:30:00	5:30:00	60	74.6	60.4	59.2	9:47 PM	1000000.00	65	3162277.66	60.0	1000000.00	1096478.20
5:31:00	5:31:00	60.1	74.4	61.7	59.4	9:48 PM	1023292.99	65.1	3235936.57	60.1	1023292.99	1479108.39
5:32:00	5:32:00	60.3	74.2	61.7	59.5	9:49 PM	1071519.31	65.3	3388441.56	60.3	1071519.31	1479108.39
5:33:00	5:33:00	61.4	77.8	64.2	59.5	9:50 PM	1380384.26	66.4	4365158.32	61.4	1380384.26	2630267.99
5:34:00	5:34:00	60.6	76.2	62.4	59.8	9:51 PM	1148153.62	65.6	3630780.55	60.6	1148153.62	1737800.83
5:35:00	5:35:00	60.4	74.9	61.2	59.2	9:52 PM	1096478.20	65.4	3467368.50	60.4	1096478.20	1318256.74
5:36:00	5:36:00	60.1	74.6	61.3	59.2	9:53 PM	1023292.99	65.1	3235936.57	60.1	1023292.99	1348962.88
5:37:00	5:37:00	59.8	75.2	61.5	59	9:54 PM	954992.59	64.8	3019951.72	59.8	954992.59	1412537.54
5:38:00	5:38:00	60.1	73.9	60.9	59.2	9:55 PM	1023292.99	65.1	3235936.57	60.1	1023292.99	1230268.77
5:39:00	5:39:00	60.3	74.6	61.1	59.2	9:56 PM	1071519.31	65.3	3388441.56	60.3	1071519.31	1288249.55
5:40:00	5:40:00	59.9	75	61.1	59.3	9:57 PM	977237.22	64.9	3090295.43	59.9	977237.22	1288249.55
5:41:00	5:41:00	60	74.8	60.8	59.2	9:58 PM	1000000.00	65	3162277.66	60.0	1000000.00	1202264.43
5:42:00	5:42:00	60	74.8	60.8	59.3	9:59 PM	1000000.00	65	3162277.66	60.0	1000000.00	1202264.43
5:43:00	5:43:00	60.2	74.7	61.6	59.4	10:00 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	1445439.77
5:44:00	5:44:00	60.4	74.9	60.9	59.6	10:01 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1230268.77
5:45:00	5:45:00	60.2	74.7	60.6	59.8	10:02 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	1148153.62
5:46:00	5:46:00	61.0	74.4	61.3	59.3	10:03 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1348962.88
5:47:00	5:47:00	60	74.4	61.1	59.3	10:04 PM	1000000.00	70	10000000.00	70.0	10000000.00	1288249.55
5:48:00	5:48:00	60.4	74.5	61.2	59.5	10:05 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1318256.74
5:49:00	5:49:00	60.2	74.3	60.8	59.4	10:06 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	1202264.43
5:50:00	5:50:00	60	74.3	60.6	59.6	10:07 PM	1000000.00	70	10000000.00	70.0	10000000.00	1148153.62
5:51:00	5:51:00	60.3	74.6	61.6	59.4	10:08 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1445439.77
5:52:00	5:52:00	61.3	77.5	63.2	60.3	10:09 PM	1348962.88	71.3	13489628.83	71.3	13489628.83	2089296.13
5:53:00	5:53:00	60.4	73.9	60.9	60.1	10:10 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1230268.77
5:54:00	5:54:00	60.3	75.2	60.9	59.6	10:11 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1230268.77
5:55:00	5:55:00	60.5	75.1	61.3	59.7	10:12 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1348962.88
5:56:00	5:56:00	60.7	76.1	63	59.4	10:13 PM	1174897.55	70.7	11748975.55	70.7	11748975.55	1995262.31
5:57:00	5:57:00	60	73.8	60.8	59.3	10:14 PM	1000000.00	70	10000000.00	70.0	10000000.00	1202264.43
5:58:00	5:58:00	60.1	74.2	60.9	59.1	10:15 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1230268.77
5:59:00	5:59:00	60.3	74.3	61	59.7	10:16 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1258925.41
6:00:00	6:00:00	60.2	74.6	60.9	59.6	10:17 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	1230268.77
6:01:00	6:01:00	60.5	75.7	61.8	59.4	10:18 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1513561.25
6:02:00	6:02:00	60.2	74.3	60.7	59.8	10:19 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	1174897.55
6:03:00	6:03:00	60.4	74.4	61	60	10:20 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1258925.41
6:04:00	6:04:00	60.5	74.7	61.4	59.9	10:21 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1380384.26
6:05:00	6:05:00	61	81.6	65.3	59.5	10:22 PM	1258925.41	71	12589254.12	71.0	12589254.12	3388441.56
6:06:00	6:06:00	60.8	79.6	63.9	59.5	10:23 PM	1202264.43	70.8	12022644.35	70.8	12022644.35	2454708.92
6:07:00	6:07:00	60.4	74.8	61.6	59.8	10:24 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1445439.77
6:08:00	6:08:00	60.6	75.2	61.7	59.5	10:25 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1479108.39
6:09:00	6:09:00	60.6	75.2	61.6	60	10:26 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1445439.77
6:10:00	6:10:00	60.6	74.7	61.7	59.6	10:27 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1479108.39
6:11:00	6:11:00	60.5	74.4	61.5	59.7	10:28 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1412537.54
6:12:00	6:12:00	60.6	74.6	61.5	59.8	10:29 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1412537.54
6:13:00	6:13:00	60.4	74.2	61.2	59.8	10:30 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1318256.74
6:14:00	6:14:00	60.5	74.9	61.1	59.7	10:31 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1288249.55
6:15:00	6:15:00	60.4	75	61.3	59.8	10:32 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1348962.88
6:16:00	6:16:00	60.5	75.3	61.5	59.7	10:33 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1412537.54
6:17:00	6:17:00	60.3	74.1	61.2	59.4	10:34 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1318256.74
6:18:00	6:18:00	60.1	74.1	60.8	59.6	10:35 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1202264.43
6:19:00	6:19:00	60.3	74.1	60.9	59.5	10:36 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1230268.77
6:20:00	6:20:00	60.3	75.5	62	59.6	10:37 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1584893.19
6:21:00	6:21:00	60.6	74.7	61.3	59.9	10:38 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1348962.88
6:22:00	6:22:00	60.6	74.7	61.6	59.9	10:39 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1445439.77
6:23:00	6:23:00	60.7	75.1	61.8	59.7	10:40 PM	1174897.55	70.7	11748975.55	70.7	11748975.55	1513561.25
6:24:00	6:24:00	60.6	75.7	61.4	59.8	10:41 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1380384.26
6:25:00	6:25:00	60.3	74.5	60.9	59.7	10:42 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1230268.77
6:26:00	6:26:00	60.4	75.1	61.4	59.6	10:43 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1380384.26
6:27:00	6:27:00	60.5	74.8	61.3	60	10:44 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1348962.88
6:28:00	6:28:00	60.3	74.2	60.7	59.7	10:45 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1174897.55
6:29:00	6:29:00	60.2	74.7	61.3	59.3	10:46 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	1348962.88
6:30:00	6:30:00	61.2	75.3									

Data

6:56:00	6:56:00	60.4	74.8	61.4	59.3	11:13 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1380384.26
6:57:00	6:57:00	60.1	74.1	60.6	59.5	11:14 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1148153.62
6:58:00	6:58:00	60.5	74.4	61.4	59.8	11:15 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1380384.26
6:59:00	6:59:00	60.7	75.1	61.3	60	11:16 PM	1174897.55	70.7	11748975.55	70.7	11748975.55	1348962.88
7:00:00	7:00:00	60.7	75.5	61.7	59.6	11:17 PM	1174897.55	70.7	11748975.55	70.7	11748975.55	1479108.39
7:01:00	7:01:00	60.3	74.2	61.2	59.6	11:18 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1318256.74
7:02:00	7:02:00	60.3	74.9	62.6	59.2	11:19 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1819700.86
7:03:00	7:03:00	60.5	74.4	61.5	59.2	11:20 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1412537.54
7:04:00	7:04:00	60.4	74.5	61.1	59.7	11:21 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1288249.55
7:05:00	7:05:00	60.1	75.2	61.1	59.5	11:22 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1288249.55
7:06:00	7:06:00	60.4	74.2	61.9	59.2	11:23 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1548816.62
7:07:00	7:07:00	60.5	74.2	61.1	59.5	11:24 PM	1122018.45	70.5	11220184.54	70.5	11220184.54	1288249.55
7:08:00	7:08:00	60.3	74.4	61.4	59.6	11:25 PM	1071519.31	70.3	10715193.05	70.3	10715193.05	1380384.26
7:09:00	7:09:00	60.6	75.2	62.1	59.8	11:26 PM	1148153.62	70.6	11481536.21	70.6	11481536.21	1621810.10
7:10:00	7:10:00	59.9	74.5	61	59.2	11:27 PM	977237.22	69.9	9772372.21	69.9	9772372.21	1258925.41
7:11:00	7:11:00	60.4	75	61.7	59.6	11:28 PM	1096478.20	70.4	10964781.96	70.4	10964781.96	1479108.39
7:12:00	7:12:00	60.2	74.1	60.9	59.5	11:29 PM	1047128.55	70.2	10471285.48	70.2	10471285.48	1230268.77
7:13:00	7:13:00	60	75.2	60.8	59.5	11:30 PM	1000000.00	70	10000000.00	70.0	10000000.00	1202264.43
7:14:00	7:14:00	60	74.1	60.9	59.3	11:31 PM	1000000.00	70	10000000.00	70.0	10000000.00	1230268.77
7:15:00	7:15:00	59.3	74	59.8	58.9	11:32 PM	851138.04	69.3	8511380.38	69.3	8511380.38	954992.59
7:16:00	7:16:00	59.6	74.7	60.5	58.7	11:33 PM	912010.84	69.6	9120108.39	69.6	9120108.39	1122018.45
7:17:00	7:17:00	59.7	77.4	63	58.7	11:34 PM	933254.30	69.7	9332543.01	69.7	9332543.01	1995262.31
7:18:00	7:18:00	59.6	74.4	60.6	58.7	11:35 PM	912010.84	69.6	9120108.39	69.6	9120108.39	1148153.62
7:19:00	7:19:00	58.9	72.7	59.4	58.4	11:36 PM	776247.12	68.9	7762471.17	68.9	7762471.17	870963.59
7:20:00	7:20:00	58.9	73.2	59.5	58.3	11:37 PM	776247.12	68.9	7762471.17	68.9	7762471.17	891250.94
7:21:00	7:21:00	59.3	73.6	59.9	58.7	11:38 PM	851138.04	69.3	8511380.38	69.3	8511380.38	977237.22
7:22:00	7:22:00	59	73	59.6	58.3	11:39 PM	794328.23	69	7943282.35	69.0	7943282.35	912010.84
7:23:00	7:23:00	59.4	76.5	63.3	58.2	11:40 PM	870963.59	69.4	8709635.90	69.4	8709635.90	2137962.09
7:24:00	7:24:00	59	73.2	59.8	58.6	11:41 PM	794328.23	69	7943282.35	69.0	7943282.35	954992.59
7:25:00	7:25:00	59.2	73.8	60	58.5	11:42 PM	831763.77	69.2	8317637.71	69.2	8317637.71	1000000.00
7:26:00	7:26:00	59.5	73.2	60.2	58.7	11:43 PM	891250.94	69.5	8912509.38	69.5	8912509.38	1047128.55
7:27:00	7:27:00	59.3	73.8	60.2	58.6	11:44 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1047128.55
7:28:00	7:28:00	59.8	73.9	60.4	59.1	11:45 PM	954992.59	69.8	9549925.86	69.8	9549925.86	1096478.20
7:29:00	7:29:00	59.4	74	60.4	58.6	11:46 PM	870963.59	69.4	8709635.90	69.4	8709635.90	1096478.20
7:30:00	7:30:00	59.5	73.9	60.1	58.7	11:47 PM	891250.94	69.5	8912509.38	69.5	8912509.38	1023292.99
7:31:00	7:31:00	59.8	74.5	60.2	59.2	11:48 PM	954992.59	69.8	9549925.86	69.8	9549925.86	1047128.55
7:32:00	7:32:00	60.1	74.8	61	59.1	11:49 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1258925.41
7:33:00	7:33:00	59.6	74.5	61.9	59	11:50 PM	912010.84	69.6	9120108.39	69.6	9120108.39	1548816.62
7:34:00	7:34:00	59.5	73.6	59.9	58.9	11:51 PM	891250.94	69.5	8912509.38	69.5	8912509.38	977237.22
7:35:00	7:35:00	59.4	74.1	59.8	58.9	11:52 PM	870963.59	69.4	8709635.90	69.4	8709635.90	954992.59
7:36:00	7:36:00	62.2	86.5	68.6	59.3	11:53 PM	1659586.91	72.2	16595869.07	72.2	16595869.07	7244359.60
7:37:00	7:37:00	60	74.4	60.5	59.5	11:54 PM	1000000.00	70	10000000.00	70.0	10000000.00	1122018.45
7:38:00	7:38:00	60.1	74.2	61.4	59.5	11:55 PM	1023292.99	70.1	10232929.92	70.1	10232929.92	1380384.26
7:39:00	7:39:00	59.5	73.5	60.2	59.1	11:56 PM	891250.94	69.5	8912509.38	69.5	8912509.38	1047128.55
7:40:00	7:40:00	59.5	74.3	60.6	58.8	11:57 PM	891250.94	69.5	8912509.38	69.5	8912509.38	1148153.62
7:41:00	7:41:00	59.7	74.8	60.6	58.9	11:58 PM	933254.30	69.7	9332543.01	69.7	9332543.01	1148153.62
7:42:00	7:42:00	59.9	73.9	60.9	58.8	11:59 PM	977237.22	69.9	9772372.21	69.9	9772372.21	1230268.77
7:43:00	7:43:00	60	74.3	60.8	59.3	12:00 AM	1000000.00	70	10000000.00	70.0	10000000.00	1202264.43
7:44:00	7:44:00	60.3	74.3	61.4	59.4	12:01 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1380384.26
7:45:00	7:45:00	60.1	74.6	60.6	59.6	12:02 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1148153.62
7:46:00	7:46:00	60.1	73.9	60.9	59.5	12:03 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1230268.77
7:47:00	7:47:00	60.2	74.7	61.1	59.5	12:04 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1288249.55
7:48:00	7:48:00	60.4	74.5	61.8	59.6	12:05 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1513561.25
7:49:00	7:49:00	60.2	74.6	61	59.2	12:06 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1258925.41
7:50:00	7:50:00	60.1	75.1	61	59.1	12:07 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1258925.41
7:51:00	7:51:00	60.1	73.9	61.1	59.5	12:08 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1288249.55
7:52:00	7:52:00	60	74.9	60.6	59.5	12:09 AM	1000000.00	70	10000000.00	70.0	10000000.00	1148153.62
7:53:00	7:53:00	60	74.1	60.5	59.5	12:10 AM	1000000.00	70	10000000.00	70.0	10000000.00	1122018.45
7:54:00	7:54:00	60.7	74.4	61.8	59.9	12:11 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1513561.25
7:55:00	7:55:00	60.5	74.9	61.1	59.2	12:12 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1288249.55
7:56:00	7:56:00	60.3	74.7	61	59.5	12:13 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1258925.41
7:57:00	7:57:00	60.6	74.3	61.3	60	12:14 AM	1148153.62	70.6	11481536.21	70.6	11481536.21	1348962.88
7:58:00	7:58:00	60.9	75.9	61.8	60.1	12:15 AM	1230268.77	70.9	12302687.71	70.9	12302687.71	1513561.25
7:59:00	7:59:00	60.7	74.4	61.4	60.1	12:16 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1380384.26
8:00:00	8:00:00	60.7	75.3	61.5	60.1	12:17 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1412537.54
8:01:00	8:01:00	60.7	75.6	62	60	12:18 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1584893.19
8:02:00	8:02:00	60.7	74.9	61.8	59.7	12:19 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1513561.25
8:03:00	8:03:00	60.5	75.1	61.2	59.9	12:20 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1318256.74
8:04:00	8:04:00	60.7	75	61.6	59.9	12:21 AM	1174897.55	70.7	11748975.55	70.7	11748975.55	1445439.77
8:05:00	8:05:00	60.4	74.5	61	59.7	12:22 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1258925.41
8:06:00	8:06:00	60.1	74.6	60.8	59.5	12:23 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1202264.43
8:07:00	8:07:00	60.3	74.9	60.9	59.8	12:24 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1230268.77
8:08:00	8:08:00	60.4	74.4	61	59.8	12:25 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1258925.41
8:09:00	8:09:00	60.2	74	61	59.6	12:26 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1258925.41
8:10:00	8:10:00	59.8	74.4	60.5	59.1	12:27 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1122018.45
8:11:00	8:11:00	60	74.7	60.9	59.3	12:28 AM	1000000.00	70	10000000.00	70.0	10000000.00	1230268.77
8:12:00	8:12:00	60	73.8	60.9	59.4	12:29 AM	1000000.00	70	10000000.00	70.0	10000000.00	1230268.77
8:13:00	8:13:00	59.7	73.3	60.2	59.2	12:30 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1047128.55
8:14:00	8:14:00	59.3	73.9	60	58.8	12:31 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1000000.00
8:15:00	8:15:00	58.6	72.5	59	58							

Data

8:41:00	8:41:00	59.2	73.3	59.8	58.8	12:58 AM	831763.77	69.2	831763.77	69.2	831763.77	954992.59
8:42:00	8:42:00	59.3	74.2	60	58.8	12:59 AM	851138.04	69.3	851138.04	69.3	851138.04	1000000.00
8:43:00	8:43:00	59.1	73.9	59.7	58.2	1:00 AM	812830.52	69.1	812830.52	69.1	812830.52	933254.30
8:44:00	8:44:00	58.7	72.6	59.1	58.1	1:01 AM	741310.24	68.7	741310.24	68.7	741310.24	812830.52
8:45:00	8:45:00	58.7	73.3	59.1	58.2	1:02 AM	741310.24	68.7	741310.24	68.7	741310.24	812830.52
8:46:00	8:46:00	59	73.4	59.5	58.6	1:03 AM	794328.23	69	794328.23	69.0	794328.23	891250.94
8:47:00	8:47:00	59	73.6	59.5	58.6	1:04 AM	794328.23	69	794328.23	69.0	794328.23	891250.94
8:48:00	8:48:00	59.1	73.4	59.5	58.7	1:05 AM	812830.52	69.1	812830.52	69.1	812830.52	891250.94
8:49:00	8:49:00	58.9	73.4	59.4	58.5	1:06 AM	776247.12	68.9	776247.12	68.9	776247.12	870963.59
8:50:00	8:50:00	59.8	80.8	64.2	58.9	1:07 AM	954992.59	69.8	954992.59	69.8	954992.59	2630267.99
8:51:00	8:51:00	62.4	86.3	71.6	58.8	1:08 AM	1737800.83	72.4	1737800.83	72.4	1737800.83	14454397.71
8:52:00	8:52:00	58.9	73	59.4	58.4	1:09 AM	776247.12	68.9	776247.12	68.9	776247.12	870963.59
8:53:00	8:53:00	58.6	72.9	59.8	58.1	1:10 AM	724435.96	68.6	724435.96	68.6	724435.96	954992.59
8:54:00	8:54:00	58.5	72.7	58.8	58.2	1:11 AM	707945.78	68.5	707945.78	68.5	707945.78	758577.58
8:55:00	8:55:00	58.7	72.6	59.2	58.1	1:12 AM	741310.24	68.7	741310.24	68.7	741310.24	831763.77
8:56:00	8:56:00	59.1	73	59.5	58.6	1:13 AM	812830.52	69.1	812830.52	69.1	812830.52	891250.94
8:57:00	8:57:00	59.1	73.7	59.5	58.7	1:14 AM	812830.52	69.1	812830.52	69.1	812830.52	891250.94
8:58:00	8:58:00	59.1	72.8	59.7	58.6	1:15 AM	812830.52	69.1	812830.52	69.1	812830.52	933254.30
8:59:00	8:59:00	58.9	73	59.3	58.5	1:16 AM	776247.12	68.9	776247.12	68.9	776247.12	851138.04
9:00:00	9:00:00	59	73.2	59.3	58.6	1:17 AM	794328.23	69	794328.23	69.0	794328.23	851138.04
9:01:00	9:01:00	58.9	72.9	59.6	58.6	1:18 AM	776247.12	68.9	776247.12	68.9	776247.12	912010.84
9:02:00	9:02:00	59	73.3	59.6	58.6	1:19 AM	794328.23	69	794328.23	69.0	794328.23	912010.84
9:03:00	9:03:00	59.2	74	59.6	58.8	1:20 AM	831763.77	69.2	831763.77	69.2	831763.77	912010.84
9:04:00	9:04:00	59.1	73.1	59.5	58.7	1:21 AM	812830.52	69.1	812830.52	69.1	812830.52	891250.94
9:05:00	9:05:00	59.2	73.2	59.7	58.7	1:22 AM	831763.77	69.2	831763.77	69.2	831763.77	933254.30
9:06:00	9:06:00	59.2	73.3	59.6	58.7	1:23 AM	831763.77	69.2	831763.77	69.2	831763.77	912010.84
9:07:00	9:07:00	59.8	86.4	64	58.8	1:24 AM	954992.59	69.8	954992.59	69.8	954992.59	2511886.43
9:08:00	9:08:00	59.4	72.8	59.9	59	1:25 AM	870963.59	69.4	870963.59	69.4	870963.59	977237.22
9:09:00	9:09:00	59.5	73.6	60.1	59	1:26 AM	891250.94	69.5	891250.94	69.5	891250.94	1023292.99
9:10:00	9:10:00	59.5	74	60	59	1:27 AM	891250.94	69.5	891250.94	69.5	891250.94	1000000.00
9:11:00	9:11:00	59.3	73.2	60	58.9	1:28 AM	851138.04	69.3	851138.04	69.3	851138.04	1000000.00
9:12:00	9:12:00	59.3	73	59.7	58.9	1:29 AM	851138.04	69.3	851138.04	69.3	851138.04	933254.30
9:13:00	9:13:00	59.4	73.4	59.7	59	1:30 AM	870963.59	69.4	870963.59	69.4	870963.59	933254.30
9:14:00	9:14:00	59.5	73.8	61	59.1	1:31 AM	891250.94	69.5	891250.94	69.5	891250.94	1258925.41
9:15:00	9:15:00	61.1	81.3	67.7	58.9	1:32 AM	1288249.55	71.1	1288249.55	71.1	1288249.55	5888436.55
9:16:00	9:16:00	59.1	73.1	59.7	58.7	1:33 AM	812830.52	69.1	812830.52	69.1	812830.52	933254.30
9:17:00	9:17:00	59	74.1	59.6	58.7	1:34 AM	794328.23	69	794328.23	69.0	794328.23	912010.84
9:18:00	9:18:00	58.9	84.4	59.3	58.6	1:35 AM	776247.12	68.9	776247.12	68.9	776247.12	851138.04
9:19:00	9:19:00	59	73.3	59.7	58.4	1:36 AM	794328.23	69	794328.23	69.0	794328.23	933254.30
9:20:00	9:20:00	58.6	72.3	59.1	58.2	1:37 AM	724435.96	68.6	724435.96	68.6	724435.96	812830.52
9:21:00	9:21:00	58.9	73	59.7	58.4	1:38 AM	776247.12	68.9	776247.12	68.9	776247.12	933254.30
9:22:00	9:22:00	59.2	74.2	59.8	58.7	1:39 AM	831763.77	69.2	831763.77	69.2	831763.77	954992.59
9:23:00	9:23:00	59.3	73.4	60.1	58.9	1:40 AM	851138.04	69.3	851138.04	69.3	851138.04	1023292.99
9:24:00	9:24:00	59.3	73.4	60.3	58.8	1:41 AM	851138.04	69.3	851138.04	69.3	851138.04	1071519.31
9:25:00	9:25:00	59.2	73	60.2	58.6	1:42 AM	831763.77	69.2	831763.77	69.2	831763.77	1047128.55
9:26:00	9:26:00	59.2	73.4	59.7	58.6	1:43 AM	831763.77	69.2	831763.77	69.2	831763.77	933254.30
9:27:00	9:27:00	59.3	74	59.9	58.9	1:44 AM	851138.04	69.3	851138.04	69.3	851138.04	977237.22
9:28:00	9:28:00	59.4	74.2	60	58.4	1:45 AM	870963.59	69.4	870963.59	69.4	870963.59	1000000.00
9:29:00	9:29:00	59.3	74.1	59.9	58.6	1:46 AM	851138.04	69.3	851138.04	69.3	851138.04	977237.22
9:30:00	9:30:00	59.9	80.7	65.5	58.6	1:47 AM	977237.22	69.9	977237.22	69.9	977237.22	3548133.89
9:31:00	9:31:00	59.3	74.1	59.8	58.7	1:48 AM	851138.04	69.3	851138.04	69.3	851138.04	954992.59
9:32:00	9:32:00	59.1	73	59.7	58.6	1:49 AM	812830.52	69.1	812830.52	69.1	812830.52	933254.30
9:33:00	9:33:00	59.7	73.9	60.1	59.1	1:50 AM	933254.01	69.7	933254.01	69.7	933254.01	1023292.99
9:34:00	9:34:00	59.4	73.8	60.4	59	1:51 AM	870963.59	69.4	870963.59	69.4	870963.59	1096478.20
9:35:00	9:35:00	59.4	73.5	59.8	59	1:52 AM	870963.59	69.4	870963.59	69.4	870963.59	954992.59
9:36:00	9:36:00	59.5	73.9	59.8	59.1	1:53 AM	891250.94	69.5	891250.94	69.5	891250.94	954992.59
9:37:00	9:37:00	59.9	75	60.6	59.1	1:54 AM	977237.22	69.9	977237.22	69.9	977237.22	1148153.62
9:38:00	9:38:00	59.7	74	60.1	59.2	1:55 AM	933254.01	69.7	933254.01	69.7	933254.01	1023292.99
9:39:00	9:39:00	62.8	92.2	72.6	58.9	1:56 AM	1905460.72	72.8	1905460.72	72.8	1905460.72	18197008.59
9:40:00	9:40:00	59.5	73.3	59.9	59.1	1:57 AM	891250.94	69.5	891250.94	69.5	891250.94	977237.22
9:41:00	9:41:00	59.3	73.4	60.3	58.7	1:58 AM	851138.04	69.3	851138.04	69.3	851138.04	1071519.31
9:42:00	9:42:00	59.1	73.7	59.8	58.8	1:59 AM	812830.52	69.1	812830.52	69.1	812830.52	954992.59
9:43:00	9:43:00	59.2	73.1	59.8	58.8	2:00 AM	831763.77	69.2	831763.77	69.2	831763.77	954992.59
9:44:00	9:44:00	59.4	73.8	60	59.1	2:01 AM	870963.59	69.4	870963.59	69.4	870963.59	1000000.00
9:45:00	9:45:00	59.4	73.3	59.8	59.1	2:02 AM	870963.59	69.4	870963.59	69.4	870963.59	954992.59
9:46:00	9:46:00	59.6	74.7	60.4	59.2	2:03 AM	912010.84	69.6	912010.84	69.6	912010.84	1096478.20
9:47:00	9:47:00	59.9	74.3	60.8	59.3	2:04 AM	977237.22	69.9	977237.22	69.9	977237.22	1202264.43
9:48:00	9:48:00	59.9	74.6	60.3	59.4	2:05 AM	977237.22	69.9	977237.22	69.9	977237.22	1071519.31
9:49:00	9:49:00	60.8	82.7	67.7	59.2	2:06 AM	1202264.43	70.8	1202264.43	70.8	1202264.43	5888436.55
9:50:00	9:50:00	63.3	83.3	70.6	59.6	2:07 AM	2137962.09	73.3	2137962.09	73.3	2137962.09	11481536.21
9:51:00	9:51:00	61.9	82.5	65.4	60.5	2:08 AM	15488166.19	71.9	15488166.19	71.9	15488166.19	3467368.50
9:52:00	9:52:00	61.9	80.3	65.7	61.2	2:09 AM	15488166.19	71.9	15488166.19	71.9	15488166.19	3715352.29
9:53:00	9:53:00	61.5	76.3	63.2	59.6	2:10 AM	1412537.54	71.5	1412537.54	71.5	1412537.54	2089296.13
9:54:00	9:54:00	59.8	73.9	60.5	59.1	2:11 AM	954992.59	69.8	954992.59	69.8	954992.59	1122018.45
9:55:00	9:55:00	59.7	73.5	60.5	59.3	2:12 AM	933254.01	69.7	933254.01	69.7	933254.01	1122018.45
9:56:00	9:56:00	59.8	73.7	60.4	59.4	2:13 AM	954992.59	69.8	954992.59	69.8	954992.59	1096478.20
9:57:00	9:57:00	59.8	74	60.4	59.4	2:14 AM	954992.59	69.8	954992.59	69.8	954992.59	1096478.20
9:58:00	9:58:00	60	73.9	60.5	59.5	2:15 AM	1000000.00	70	1000000.00	70.0	1000000.00	1122018.45
9:59:00	9:59:00	59.8	74	60.4	59.4	2:16 AM	954992.59	69.8	954992.59	69.8	954992.59	1096478.20
10:00:00	10:00:00	59.9	74.6	60.5	59.3	2:17 AM	977237.22	69.9	977237.22	69.9	977237.22	1122018.45
10:01:00	10:01:00	59.7	73.2	60.2	59.2	2:18 AM	933254.01	69.7	933254.01	69.7	933254.01	1047128.55
10:02:00	10:02:00	59.9	74.3	61.8	59.3	2:19 AM	977237.22	69.9	977237.22	69.9	977237.22	1

10:26:00	10:26:00	59.2	72.9	59.4	59	2:43 AM	831763.77	69.2	831763.71	69.2	831763.71	870963.59
10:27:00	10:27:00	59.4	73.4	59.8	59	2:44 AM	870963.59	69.4	870963.59	69.4	870963.59	954992.59
10:28:00	10:28:00	59.3	73.5	59.8	58.8	2:45 AM	8511380.4	69.3	8511380.38	69.3	8511380.38	954992.59
10:29:00	10:29:00	59.6	75.1	61.9	59	2:46 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	1548816.62
10:30:00	10:30:00	62.3	86.4	71.4	58.9	2:47 AM	16982436.52	72.3	16982436.52	72.3	16982436.52	13803842.65
10:31:00	10:31:00	59.1	72.7	59.9	58.7	2:48 AM	812830.52	69.1	812830.52	69.1	812830.52	977237.22
10:32:00	10:32:00	59.4	73.7	59.9	58.9	2:49 AM	870963.59	69.4	870963.59	69.4	870963.59	977237.22
10:33:00	10:33:00	59.7	74.7	59.9	59.4	2:50 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	977237.22
10:34:00	10:34:00	59.8	73.9	60	59.5	2:51 AM	954992.59	69.8	954992.59	69.8	954992.59	1000000.00
10:35:00	10:35:00	59.4	74.1	59.9	59	2:52 AM	870963.59	69.4	870963.59	69.4	870963.59	977237.22
10:36:00	10:36:00	59.5	73.8	60	59	2:53 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	1000000.00
10:37:00	10:37:00	59.2	73.4	59.6	58.8	2:54 AM	831763.77	69.2	831763.77	69.2	831763.77	912010.84
10:38:00	10:38:00	59.3	75.7	60.4	58.9	2:55 AM	8511380.4	69.3	8511380.38	69.3	8511380.38	1096478.20
10:39:00	10:39:00	59.2	74	59.6	58.7	2:56 AM	831763.77	69.2	831763.77	69.2	831763.77	912010.84
10:40:00	10:40:00	59.3	73.6	59.7	58.9	2:57 AM	8511380.4	69.3	8511380.38	69.3	8511380.38	933254.30
10:41:00	10:41:00	59.1	73.4	59.6	58.7	2:58 AM	812830.52	69.1	812830.52	69.1	812830.52	912010.84
10:42:00	10:42:00	59.1	73.3	59.3	58.9	2:59 AM	812830.52	69.1	812830.52	69.1	812830.52	851138.04
10:43:00	10:43:00	58.9	72.7	59.2	58.6	3:00 AM	7762471.12	68.9	7762471.12	68.9	7762471.12	831763.77
10:44:00	10:44:00	59	73.2	59.3	58.7	3:01 AM	7943282.35	69	7943282.35	69	7943282.35	851138.04
10:45:00	10:45:00	59.1	74.2	59.4	58.8	3:02 AM	812830.52	69.1	812830.52	69.1	812830.52	870963.59
10:46:00	10:46:00	62.6	89.5	72	58.9	3:03 AM	18197008.59	72.6	18197008.59	72.6	18197008.59	15848931.92
10:47:00	10:47:00	59.1	73.2	59.6	58.7	3:04 AM	812830.52	69.1	812830.52	69.1	812830.52	912010.84
10:48:00	10:48:00	58.9	72.7	59.2	58.6	3:05 AM	7762471.12	68.9	7762471.12	68.9	7762471.12	831763.77
10:49:00	10:49:00	58.6	74.3	58.9	58.1	3:06 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	776247.22
10:50:00	10:50:00	58.4	72.4	58.8	58.2	3:07 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	758577.58
10:51:00	10:51:00	58.3	73.5	58.8	57.9	3:08 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	758577.58
10:52:00	10:52:00	58.3	72.4	58.8	58	3:09 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	758577.58
10:53:00	10:53:00	58.8	72.7	59.7	58.5	3:10 AM	758577.58	68.8	758577.58	68.8	758577.58	933254.30
10:54:00	10:54:00	58.8	73.2	59.2	58.5	3:11 AM	758577.58	68.8	758577.58	68.8	758577.58	831763.77
10:55:00	10:55:00	58.9	75.4	61.6	58.5	3:12 AM	7762471.12	68.9	7762471.12	68.9	7762471.12	1445439.77
10:56:00	10:56:00	59.1	73.4	59.4	58.7	3:13 AM	812830.52	69.1	812830.52	69.1	812830.52	870963.59
10:57:00	10:57:00	59.1	74	59.5	58.8	3:14 AM	812830.52	69.1	812830.52	69.1	812830.52	891250.94
10:58:00	10:58:00	59.2	73.5	59.7	58.9	3:15 AM	831763.77	69.2	831763.77	69.2	831763.77	933254.30
10:59:00	10:59:00	59.3	73.9	60.9	58.8	3:16 AM	8511380.4	69.3	8511380.38	69.3	8511380.38	1230268.77
11:00:00	11:00:00	59	72.7	59.4	58.6	3:17 AM	7943282.35	69	7943282.35	69	7943282.35	870963.59
11:01:00	11:01:00	59	73.4	59.4	58.7	3:18 AM	7943282.35	69	7943282.35	69	7943282.35	870963.59
11:02:00	11:02:00	59.3	73.6	59.6	59	3:19 AM	8511380.4	69.3	8511380.38	69.3	8511380.38	912010.84
11:03:00	11:03:00	59.3	73.4	59.5	59	3:20 AM	8511380.4	69.3	8511380.38	69.3	8511380.38	891250.94
11:04:00	11:04:00	59.4	74.4	59.7	59.1	3:21 AM	870963.59	69.4	870963.59	69.4	870963.59	933254.30
11:05:00	11:05:00	59.5	73.2	59.8	59.1	3:22 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	954992.59
11:06:00	11:06:00	59.4	73.2	59.8	59	3:23 AM	870963.59	69.4	870963.59	69.4	870963.59	954992.59
11:07:00	11:07:00	63.6	85.6	72.9	59.2	3:24 AM	22908676.53	73.6	22908676.53	73.6	22908676.53	1949846.00
11:08:00	11:08:00	59.5	73.2	60	59.2	3:25 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	1000000.00
11:09:00	11:09:00	59.8	74.1	60.3	59.2	3:26 AM	954992.59	69.8	954992.59	69.8	954992.59	1071519.31
11:10:00	11:10:00	59.7	74.1	60.2	59.4	3:27 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	1047128.55
11:11:00	11:11:00	60.9	83.9	68.3	59.2	3:28 AM	1230268.77	70.9	1230268.77	70.9	1230268.77	6760829.75
11:12:00	11:12:00	59.6	74	60	59.3	3:29 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	1000000.00
11:13:00	11:13:00	59.5	73.3	60	59.1	3:30 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	1000000.00
11:14:00	11:14:00	59.5	73.7	59.9	59.1	3:31 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	977237.22
11:15:00	11:15:00	59.4	73.1	59.8	59	3:32 AM	870963.59	69.4	870963.59	69.4	870963.59	954992.59
11:16:00	11:16:00	59.5	74	60	59	3:33 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	1000000.00
11:17:00	11:17:00	59.8	74.1	60.5	59.2	3:34 AM	954992.59	69.8	954992.59	69.8	954992.59	1122018.45
11:18:00	11:18:00	59.2	73.5	59.9	58.4	3:35 AM	831763.77	69.2	831763.77	69.2	831763.77	977237.22
11:19:00	11:19:00	59	73.8	59.5	58.5	3:36 AM	7943282.35	69	7943282.35	69	7943282.35	891250.94
11:20:00	11:20:00	59.1	73	59.8	58.6	3:37 AM	812830.52	69.1	812830.52	69.1	812830.52	954992.59
11:21:00	11:21:00	58.8	73.5	60	58.4	3:38 AM	758577.58	68.8	758577.58	68.8	758577.58	1000000.00
11:22:00	11:22:00	58.9	72.7	59.4	58.5	3:39 AM	7762471.12	68.9	7762471.12	68.9	7762471.12	870963.59
11:23:00	11:23:00	58.8	73.4	59.4	58.3	3:40 AM	758577.58	68.8	758577.58	68.8	758577.58	870963.59
11:24:00	11:24:00	59	72.9	60	58.4	3:41 AM	7943282.35	69	7943282.35	69	7943282.35	1000000.00
11:25:00	11:25:00	59.2	73.7	59.9	58.6	3:42 AM	831763.77	69.2	831763.77	69.2	831763.77	977237.22
11:26:00	11:26:00	59.3	74.6	60	58.7	3:43 AM	8511380.4	69.3	8511380.38	69.3	8511380.38	1000000.00
11:27:00	11:27:00	59.2	73.2	60.4	58.5	3:44 AM	831763.77	69.2	831763.77	69.2	831763.77	1096478.20
11:28:00	11:28:00	59.1	73.6	59.5	58.7	3:45 AM	812830.52	69.1	812830.52	69.1	812830.52	891250.94
11:29:00	11:29:00	59	73.1	59.3	58.6	3:46 AM	7943282.35	69	7943282.35	69	7943282.35	851138.04
11:30:00	11:30:00	58.8	73.3	59.3	58.3	3:47 AM	758577.58	68.8	758577.58	68.8	758577.58	851138.04
11:31:00	11:31:00	59.4	73.7	60.7	58.7	3:48 AM	870963.59	69.4	870963.59	69.4	870963.59	1174897.55
11:32:00	11:32:00	59.2	73.8	60.2	58.8	3:49 AM	831763.77	69.2	831763.77	69.2	831763.77	1047128.55
11:33:00	11:33:00	59.1	72.8	59.5	58.8	3:50 AM	812830.52	69.1	812830.52	69.1	812830.52	891250.94
11:34:00	11:34:00	59	73.5	59.4	58.6	3:51 AM	7943282.35	69	7943282.35	69	7943282.35	870963.59
11:35:00	11:35:00	58.9	73.1	59.4	58.6	3:52 AM	7762471.12	68.9	7762471.12	68.9	7762471.12	870963.59
11:36:00	11:36:00	58.8	73.7	59.3	58.5	3:53 AM	758577.58	68.8	758577.58	68.8	758577.58	851138.04
11:37:00	11:37:00	59.1	72.7	59.5	58.6	3:54 AM	812830.52	69.1	812830.52	69.1	812830.52	891250.94
11:38:00	11:38:00	59.1	73.6	59.7	58.7	3:55 AM	812830.52	69.1	812830.52	69.1	812830.52	933254.30
11:39:00	11:39:00	59.1	74.2	59.5	58.6	3:56 AM	812830.52	69.1	812830.52	69.1	812830.52	891250.94
11:40:00	11:40:00	59.2	73.3	59.8	58.8	3:57 AM	831763.77	69.2	831763.77	69.2	831763.77	954992.59
11:41:00	11:41:00	59.5	73.6	59.9	59	3:58 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	977237.22
11:42:00	11:42:00	59.1	74.2	59.6	58.6	3:59 AM	812830.52	69.1	812830.52	69.1	812830.52	912010.84
11:43:00	11:43:00	59	73.6	59.5	58.5	4:00 AM	7943282.35	69	7943282.35	69	7943282.35	891250.94
11:44:00	11:44:00	58.6	72.9	59	58.1	4:01 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	794328.23
11:45:00	11:45:00	58.8	72.8	59.3	58.4	4:02 AM	758577.58	68.8	758577.58	68.8	758577.58	851138.04
11:46:00	11:46:00	58.9	72.7	59.5	58.6	4:03 AM	7762471.12	68.9	776247			

Data

12:11:00	12:11:00	59.6	73.5	60.2	59.1	4:28 AM	912010.84	69.6	912010.839	69.6	912010.839	1047128.55
12:12:00	12:12:00	59.5	73.4	60.5	59	4:29 AM	891250.94	69.5	891250.938	69.5	891250.938	1122018.45
12:13:00	12:13:00	59.5	74.4	59.8	59.1	4:30 AM	891250.94	69.5	891250.938	69.5	891250.938	954992.59
12:14:00	12:14:00	59.8	77	63.4	59	4:31 AM	954992.59	69.8	954992.586	69.8	954992.586	2187761.62
12:15:00	12:15:00	59.5	73.1	60	59.1	4:32 AM	891250.94	69.5	891250.938	69.5	891250.938	1000000.00
12:16:00	12:16:00	59.5	73.8	59.9	58.9	4:33 AM	891250.94	69.5	891250.938	69.5	891250.938	977237.22
12:17:00	12:17:00	59.7	73.8	60.2	59.3	4:34 AM	933254.30	69.7	933254.301	69.7	933254.301	1047128.55
12:18:00	12:18:00	63.4	83.5	70.1	59.4	4:35 AM	2187761.62	73.4	2187761.624	73.4	2187761.624	10232929.92
12:19:00	12:19:00	59.5	73.4	60.2	59	4:36 AM	891250.94	69.5	891250.938	69.5	891250.938	1047128.55
12:20:00	12:20:00	60.1	78.2	64.2	59.1	4:37 AM	1023292.99	70.1	1023292.992	70.1	1023292.992	2630267.99
12:21:00	12:21:00	59.5	73.2	60.1	59	4:38 AM	891250.94	69.5	891250.938	69.5	891250.938	1023292.99
12:22:00	12:22:00	59.7	74.2	60.3	59.1	4:39 AM	933254.30	69.7	933254.301	69.7	933254.301	1071519.31
12:23:00	12:23:00	63.3	84.1	71.3	59.3	4:40 AM	2137962.09	73.3	2137962.090	73.3	2137962.090	13489628.83
12:24:00	12:24:00	59.9	76.2	61.8	59	4:41 AM	977237.22	69.9	977237.221	69.9	977237.221	1513561.25
12:25:00	12:25:00	59.8	74.5	60.4	59.2	4:42 AM	954992.59	69.8	954992.586	69.8	954992.586	1096478.20
12:26:00	12:26:00	60	78.4	63.6	59.1	4:43 AM	1000000.00	70	1000000.000	70.0	1000000.000	2290867.65
12:27:00	12:27:00	59.8	73.8	60.3	59.3	4:44 AM	954992.59	69.8	954992.586	69.8	954992.586	1071519.31
12:28:00	12:28:00	59.9	73.7	60.4	59.2	4:45 AM	977237.22	69.9	977237.221	69.9	977237.221	1096478.20
12:29:00	12:29:00	59.7	73.8	60.2	59	4:46 AM	933254.30	69.7	933254.301	69.7	933254.301	1047128.55
12:30:00	12:30:00	59.4	73.4	59.9	59	4:47 AM	870963.59	69.4	870963.590	69.4	870963.590	977237.22
12:31:00	12:31:00	59	73.4	59.5	58.5	4:48 AM	794328.23	69	794328.235	69.0	794328.235	891250.94
12:32:00	12:32:00	59.1	73.6	59.9	58.7	4:49 AM	812830.52	69.1	812830.516	69.1	812830.516	977237.22
12:33:00	12:33:00	59.4	80.6	64.6	58.1	4:50 AM	870963.59	69.4	870963.590	69.4	870963.590	2884031.50
12:34:00	12:34:00	59.2	73.6	59.8	58.4	4:51 AM	831763.77	69.2	831763.771	69.2	831763.771	954992.59
12:35:00	12:35:00	59.6	74.4	61.1	58.5	4:52 AM	912010.84	69.6	912010.839	69.6	912010.839	1288249.55
12:36:00	12:36:00	59.3	73.4	60.1	58.6	4:53 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	1023292.99
12:37:00	12:37:00	59.7	77.6	63.5	58.6	4:54 AM	933254.30	69.7	933254.301	69.7	933254.301	2238721.14
12:38:00	12:38:00	58.9	73.5	59.7	57.9	4:55 AM	776247.12	68.9	776247.117	68.9	776247.117	933254.30
12:39:00	12:39:00	58.9	72.8	59.6	58.1	4:56 AM	776247.12	68.9	776247.117	68.9	776247.117	912010.84
12:40:00	12:40:00	58.7	72.5	59.4	58	4:57 AM	741310.24	68.7	741310.241	68.7	741310.241	870963.59
12:41:00	12:41:00	59	73.3	59.6	58.5	4:58 AM	794328.23	69	794328.235	69.0	794328.235	912010.84
12:42:00	12:42:00	58.7	73.6	59.6	58.1	4:59 AM	741310.24	68.7	741310.241	68.7	741310.241	912010.84
12:43:00	12:43:00	58.8	72.9	59.5	58.3	5:00 AM	758577.58	68.8	758577.575	68.8	758577.575	891250.94
12:44:00	12:44:00	58.7	73.4	59.5	57.9	5:01 AM	741310.24	68.7	741310.241	68.7	741310.241	891250.94
12:45:00	12:45:00	59	73.2	59.7	58.7	5:02 AM	794328.23	69	794328.235	69.0	794328.235	933254.30
12:46:00	12:46:00	60.1	78	64	58.7	5:03 AM	1023292.99	70.1	1023292.992	70.1	1023292.992	2511886.43
12:47:00	12:47:00	59.3	73.5	59.8	58.8	5:04 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	954992.59
12:48:00	12:48:00	63.3	90.4	74	59.1	5:05 AM	2137962.09	73.3	2137962.090	73.3	2137962.090	2511886.43
12:49:00	12:49:00	62.8	91.1	74.1	59.2	5:06 AM	1905460.72	72.8	1905460.718	72.8	1905460.718	25703957.83
12:50:00	12:50:00	59.4	73.5	60.2	58.9	5:07 AM	870963.59	69.4	870963.590	69.4	870963.590	1047128.55
12:51:00	12:51:00	59.5	73.8	60.1	58.8	5:08 AM	891250.94	69.5	891250.938	69.5	891250.938	1023292.99
12:52:00	12:52:00	59.4	74.2	60.1	59	5:09 AM	870963.59	69.4	870963.590	69.4	870963.590	1023292.99
12:53:00	12:53:00	59.6	76.8	60.5	59	5:10 AM	912010.84	69.6	912010.839	69.6	912010.839	1122018.45
12:54:00	12:54:00	59.3	73.5	59.8	58.9	5:11 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	954992.59
12:55:00	12:55:00	59.3	73.4	59.8	58.9	5:12 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	954992.59
12:56:00	12:56:00	59.5	73.2	60.1	58.9	5:13 AM	891250.94	69.5	891250.938	69.5	891250.938	1023292.99
12:57:00	12:57:00	59.3	73.5	59.8	58.7	5:14 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	954992.59
12:58:00	12:58:00	59.3	74	59.7	58.8	5:15 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	933254.30
12:59:00	12:59:00	59.9	74.5	60.8	59.1	5:16 AM	977237.22	69.9	977237.221	69.9	977237.221	1202264.43
13:00:00	13:00:00	59.9	74.7	61.6	59	5:17 AM	977237.22	69.9	977237.221	69.9	977237.221	1445439.77
13:01:00	13:01:00	64	85.3	72.2	60.1	5:18 AM	2511886.43	74	2511886.432	74.0	2511886.432	16595869.07
13:02:00	13:02:00	60.5	75.6	61.3	59.8	5:19 AM	1122018.45	70.5	1122018.454	70.5	1122018.454	1348962.83
13:03:00	13:03:00	60.3	74.1	60.7	59.8	5:20 AM	1071519.31	70.3	1071519.305	70.3	1071519.305	1174897.55
13:04:00	13:04:00	60	74	60.6	59.3	5:21 AM	1000000.00	70	1000000.000	70.0	1000000.000	1148153.62
13:05:00	13:05:00	62.8	87.5	71.3	59.5	5:22 AM	1905460.72	72.8	1905460.718	72.8	1905460.718	13489628.83
13:06:00	13:06:00	59.8	74.5	60.4	59.3	5:23 AM	954992.59	69.8	954992.586	69.8	954992.586	1096478.20
13:07:00	13:07:00	59.7	74.7	60.9	59.1	5:24 AM	933254.30	69.7	933254.301	69.7	933254.301	1230268.77
13:08:00	13:08:00	60.1	74.1	60.7	59.5	5:25 AM	1023292.99	70.1	1023292.992	70.1	1023292.992	1174897.55
13:09:00	13:09:00	60	74.5	60.7	59.3	5:26 AM	1000000.00	70	1000000.000	70.0	1000000.000	1174897.55
13:10:00	13:10:00	59.8	74.1	60.9	58.9	5:27 AM	954992.59	69.8	954992.586	69.8	954992.586	1230268.77
13:11:00	13:11:00	60.3	74.9	61	59.5	5:28 AM	1071519.31	70.3	1071519.305	70.3	1071519.305	1258925.12
13:12:00	13:12:00	60.1	74.4	60.8	59.5	5:29 AM	1023292.99	70.1	1023292.992	70.1	1023292.992	1202264.43
13:13:00	13:13:00	60.3	74.6	61.1	59.4	5:30 AM	1071519.31	70.3	1071519.305	70.3	1071519.305	1288249.55
13:14:00	13:14:00	60.4	74.2	61.1	59.8	5:31 AM	1096478.20	70.4	1096478.196	70.4	1096478.196	1288249.55
13:15:00	13:15:00	60.3	74.2	61.1	59.7	5:32 AM	1071519.31	70.3	1071519.305	70.3	1071519.305	1288249.55
13:16:00	13:16:00	60.2	74.3	60.8	59.6	5:33 AM	1047128.55	70.2	1047128.548	70.2	1047128.548	1202264.43
13:17:00	13:17:00	60.9	79.3	64.5	59.7	5:34 AM	1230268.77	70.9	1230268.771	70.9	1230268.771	2818382.93
13:18:00	13:18:00	60	74.2	60.6	59.4	5:35 AM	1000000.00	70	1000000.000	70.0	1000000.000	1148153.62
13:19:00	13:19:00	61.6	83.7	66.9	59.5	5:36 AM	1445439.77	71.6	1445439.771	71.6	1445439.771	4897788.19
13:20:00	13:20:00	66	87.3	75	59.6	5:37 AM	3981071.71	76	3981071.706	76.0	3981071.706	31622776.60
13:21:00	13:21:00	61.3	78.2	64	59.7	5:38 AM	1348962.83	71.3	1348962.83	71.3	1348962.83	2511886.43
13:22:00	13:22:00	60.1	75.9	60.7	59.6	5:39 AM	1023292.99	70.1	1023292.992	70.1	1023292.992	1174897.55
13:23:00	13:23:00	60	73.9	60.5	59.6	5:40 AM	1000000.00	70	1000000.000	70.0	1000000.000	1122018.45
13:24:00	13:24:00	60	73.7	60.5	59.3	5:41 AM	1000000.00	70	1000000.000	70.0	1000000.000	1122018.45
13:25:00	13:25:00	60.2	79.2	64.6	59.5	5:42 AM	1047128.55	70.2	1047128.548	70.2	1047128.548	2884031.50
13:26:00	13:26:00	60.7	81	64.9	59.6	5:43 AM	1174897.55	70.7	1174897.55	70.7	1174897.55	3090295.43
13:27:00	13:27:00	60	74.5	60.8	59.5	5:44 AM	1000000.00	70	1000000.000	70.0	1000000.000	1202264.43
13:28:00	13:28:00	60	74.7	61.3	59.2	5:45 AM	1000000.00	70	1000000.000	70.0	1000000.000	1348962.83
13:29:00	13:29:00	60.4	80.2	64	59.1	5:46 AM	1096478.20	70.4	1096478.196	70.4	1096478.196	2511886.43
13:30:00	13:30:00	60.7	82	6								

Data

13:56:00	13:56:00	59.9	76.3	61	59	6:13 AM	977237.22	69.9	977237.21	69.9	977237.21	1258925.41
13:57:00	13:57:00	59.7	82.1	63.1	58.9	6:14 AM	933254.30	69.7	933254.01	69.7	933254.01	2041737.94
13:58:00	13:58:00	65	90.4	71.9	59	6:15 AM	3162277.66	75	3162277.60	75.0	3162277.60	15488166.19
13:59:00	13:59:00	59.6	74	61.3	59.1	6:16 AM	912010.84	69.6	912010.89	69.6	912010.89	1348962.88
14:00:00	14:00:00	59.6	74.9	60	59.2	6:17 AM	912010.84	69.6	912010.89	69.6	912010.89	1000000.00
14:01:00	14:01:00	61.3	81.2	67.6	59.1	6:18 AM	1348962.88	71.3	1348962.83	71.3	1348962.83	5754399.37
14:02:00	14:02:00	59.7	75.1	63	59.1	6:19 AM	933254.30	69.7	933254.01	69.7	933254.01	1995262.31
14:03:00	14:03:00	59.8	74.1	60.3	59.3	6:20 AM	954992.59	69.8	954992.58	69.8	954992.58	1071519.31
14:04:00	14:04:00	59.9	74.8	61.3	59.5	6:21 AM	977237.22	69.9	977237.21	69.9	977237.21	1348962.88
14:05:00	14:05:00	59.6	73.4	60.1	59.1	6:22 AM	912010.84	69.6	912010.89	69.6	912010.89	1023292.99
14:06:00	14:06:00	67.8	102.2	81.6	59.1	6:23 AM	6025595.86	77.8	6025595.81	77.8	6025595.81	144543977.02
14:07:00	14:07:00	59.4	73.9	59.9	59	6:24 AM	870963.59	69.4	870963.59	69.4	870963.59	977237.22
14:08:00	14:08:00	59.2	73.5	59.7	58.7	6:25 AM	831763.77	69.2	831763.71	69.2	831763.71	933254.30
14:09:00	14:09:00	59.3	73	59.9	58.8	6:26 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	977237.22
14:10:00	14:10:00	60.6	82	65.3	59.1	6:27 AM	11481536.21	70.6	11481536.21	70.6	11481536.21	3388441.56
14:11:00	14:11:00	59.3	73.2	60.3	58.8	6:28 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	1071519.31
14:12:00	14:12:00	59.3	73.8	59.9	58.8	6:29 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	977237.22
14:13:00	14:13:00	59.6	79.4	63.2	58.8	6:30 AM	912010.84	69.6	912010.89	69.6	912010.89	2089296.13
14:14:00	14:14:00	61.3	83.1	66.9	58.4	6:31 AM	1348962.88	71.3	1348962.83	71.3	1348962.83	4897788.19
14:15:00	14:15:00	60.1	79.7	65.9	58.7	6:32 AM	1023292.99	70.1	1023292.92	70.1	1023292.92	3890451.45
14:16:00	14:16:00	59	73	60.1	58.3	6:33 AM	794328.23	69	794328.23	69.0	794328.23	1023292.99
14:17:00	14:17:00	58.7	72.2	59.1	58.3	6:34 AM	741310.24	68.7	741310.21	68.7	741310.21	812830.52
14:18:00	14:18:00	59.5	77.3	64.1	58.7	6:35 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	2570395.78
14:19:00	14:19:00	59	73.5	59.8	58.5	6:36 AM	794328.23	69	794328.23	69.0	794328.23	954992.59
14:20:00	14:20:00	58.9	73.2	59.6	58.2	6:37 AM	776247.12	68.9	776247.11	68.9	776247.11	912010.84
14:21:00	14:21:00	59.5	79.1	64.5	58.4	6:38 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	2818382.93
14:22:00	14:22:00	58.8	75.5	60.2	58	6:39 AM	758577.58	68.8	758577.57	68.8	758577.57	1047128.55
14:23:00	14:23:00	58.8	73.4	59.5	58.2	6:40 AM	758577.58	68.8	758577.57	68.8	758577.57	891250.94
14:24:00	14:24:00	61.5	81.7	69.3	58.6	6:41 AM	14125375.45	71.5	14125375.45	71.5	14125375.45	8511380.38
14:25:00	14:25:00	59.5	75.9	63.4	58.5	6:42 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	2187761.62
14:26:00	14:26:00	59	76.2	59.8	58.6	6:43 AM	794328.23	69	794328.23	69.0	794328.23	954992.59
14:27:00	14:27:00	59.2	73.6	59.6	58.6	6:44 AM	831763.77	69.2	831763.71	69.2	831763.71	912010.84
14:28:00	14:28:00	59.5	77.8	62.3	58.4	6:45 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	1698243.65
14:29:00	14:29:00	62	82.3	67.6	58.7	6:46 AM	1584893.19	72	1584893.19	72.0	1584893.19	5754399.37
14:30:00	14:30:00	62.4	89.8	68.9	58.8	6:47 AM	1737800.83	72.4	1737800.82	72.4	1737800.82	7762471.17
14:31:00	14:31:00	58.8	73.7	60.2	58.4	6:48 AM	776247.12	68.9	776247.11	68.9	776247.11	1047128.55
14:32:00	14:32:00	62.7	84	71.4	58.5	6:49 AM	1862087.14	72.7	1862087.13	72.7	1862087.13	13803842.65
14:33:00	14:33:00	59.3	78.6	63.4	58.4	6:50 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	2187761.62
14:34:00	14:34:00	58.9	72.8	59.7	58.5	6:51 AM	776247.12	68.9	776247.11	68.9	776247.11	933254.30
14:35:00	14:35:00	60.6	81	66	58.6	6:52 AM	11481536.21	70.6	11481536.21	70.6	11481536.21	3981071.71
14:36:00	14:36:00	60	76	61.6	59	6:53 AM	10000000.00	70	10000000.00	70.0	10000000.00	1445439.77
14:37:00	14:37:00	62.5	82.5	68.6	58.9	6:54 AM	17782794.10	72.5	17782794.10	72.5	17782794.10	7244359.60
14:38:00	14:38:00	59.7	78	61.3	59.1	6:55 AM	933254.30	69.7	933254.01	69.7	933254.01	1348962.88
14:39:00	14:39:00	60.1	82.2	64.4	58.9	6:56 AM	1023292.99	70.1	1023292.92	70.1	1023292.92	2754228.70
14:40:00	14:40:00	61.2	81	66.7	59.3	6:57 AM	13182567.39	71.2	13182567.39	71.2	13182567.39	4677351.41
14:41:00	14:41:00	62	85	68.3	59.5	6:58 AM	1584893.19	72	1584893.19	72.0	1584893.19	6760829.75
14:42:00	14:42:00	61.3	86.2	69.9	59	6:59 AM	1348962.88	71.3	1348962.83	71.3	1348962.83	977237.21
14:43:00	14:43:00	62.5	85.5	71.1	59	7:00 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	12882495.52
14:44:00	14:44:00	60	80.9	64.2	59.1	7:01 AM	10000000.00	60	10000000.00	60.0	10000000.00	2630267.99
14:45:00	14:45:00	60.9	77.4	62.5	59.7	7:02 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	1778279.41
14:46:00	14:46:00	59.7	82.5	64	58.8	7:03 AM	933254.30	59.7	933254.30	59.7	933254.30	2511886.43
14:47:00	14:47:00	60.1	80.9	65.2	58.8	7:04 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	3311311.21
14:48:00	14:48:00	66	86.8	75	58.9	7:05 AM	3981071.71	66	3981071.71	66.0	3981071.71	31622776.60
14:49:00	14:49:00	59.6	76.1	63.1	58.6	7:06 AM	912010.84	59.6	912010.84	59.6	912010.84	2041737.94
14:50:00	14:50:00	59.2	73.6	59.9	58.6	7:07 AM	831763.77	59.2	831763.77	59.2	831763.77	977237.22
14:51:00	14:51:00	58.8	73.9	59.4	58.3	7:08 AM	758577.58	58.8	758577.58	58.8	758577.58	870963.59
14:52:00	14:52:00	58.8	73.8	59.5	58.2	7:09 AM	758577.58	58.8	758577.58	58.8	758577.58	891250.94
14:53:00	14:53:00	59.7	75.5	61.9	58.7	7:10 AM	933254.30	59.7	933254.30	59.7	933254.30	1548816.62
14:54:00	14:54:00	59.5	75	61.4	58.7	7:11 AM	891250.94	59.5	891250.94	59.5	891250.94	1380384.26
14:55:00	14:55:00	59.3	73.7	60.1	58.8	7:12 AM	8511380.38	59.3	8511380.38	59.3	8511380.38	1023292.99
14:56:00	14:56:00	59.5	73.8	60.3	59.1	7:13 AM	891250.94	59.5	891250.94	59.5	891250.94	1071519.31
14:57:00	14:57:00	59.5	74.2	60.9	59.1	7:14 AM	891250.94	59.5	891250.94	59.5	891250.94	1230268.77
14:58:00	14:58:00	59.9	76.4	62	59.1	7:15 AM	977237.22	59.9	977237.22	59.9	977237.22	1584893.19
14:59:00	14:59:00	60.6	80.9	65.3	58.8	7:16 AM	11481536.21	60.6	11481536.21	60.6	11481536.21	3388441.56
15:00:00	15:00:00	60.2	77	62.6	59.4	7:17 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	1819700.86
15:01:00	15:01:00	59.9	74.5	61.8	59.1	7:18 AM	977237.22	59.9	977237.22	59.9	977237.22	1513561.25
15:02:00	15:02:00	60.9	76.1	62.6	59.7	7:19 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	1819700.86
15:03:00	15:03:00	60.5	77.7	63.7	59.5	7:20 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	2344228.82
15:04:00	15:04:00	59.9	76.3	61	59.4	7:21 AM	977237.22	59.9	977237.22	59.9	977237.22	1258925.41
15:05:00	15:05:00	59.7	75.5	60.3	59.2	7:22 AM	933254.30	59.7	933254.30	59.7	933254.30	1071519.31
15:06:00	15:06:00	61	82	66.3	59.6	7:23 AM	1258925.41	61	1258925.41	61.0	1258925.41	4265795.19
15:07:00	15:07:00	60.5	81	64.7	59.3	7:24 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	2951209.23
15:08:00	15:08:00	59.9	75.9	61.3	59.4	7:25 AM	977237.22	59.9	977237.22	59.9	977237.22	1348962.88
15:09:00	15:09:00	61.2	82.7	64.2	60	7:26 AM	1318256.74	61.2	1318256.74	61.2	1318256.74	2630267.99
15:10:00	15:10:00	60.8	80.7	65.8	59.4	7:27 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	3801893.96
15:11:00	15:11:00	60.9	80.3	65.4	59.7	7:28 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	3467368.50
15:12:00	15:12:00	61.8	79.9	64.8	59.7	7:29 AM	1513561.25	61.8	1513561.25	61.8	1513561.25	3019951.72
15:13:00	15:13:00	63.9	81.8	64.9	61.6	7:30 AM	2454708.92	63.9	2454708.92	63.9	2454708.92	3090295.43
15:14:00	15:14:00	63.6	78.9	66.2	63	7:31 AM	2290867.65	63.6	2290867.65	63.6	2290867.65	4168693.83
15:15:00	15:15:00	63.4	77.4	63.9	63.2	7:32 AM	2187761.62	63.4	2187761.62	63.4	2187761.62	2454708.92

Data

15:41:00	15:41:00	62.6	85.7	67.2	58.5	7:58 AM	1819700.86	62.6	1819700.86	62.6	1819700.86	5248074.60
15:42:00	15:42:00	66.7	91.3	74.7	57.9	7:59 AM	4677351.41	66.7	4677351.41	66.7	4677351.41	29512092.27
15:43:00	15:43:00	58.2	73.8	58.8	57.7	8:00 AM	660693.45	58.2	660693.45	58.2	660693.45	758577.58
15:44:00	15:44:00	63.1	84.4	71.3	58.1	8:01 AM	2041737.94	63.1	2041737.94	63.1	2041737.94	13489628.83
15:45:00	15:45:00	58.8	75.5	64.2	57.5	8:02 AM	758577.58	58.8	758577.58	58.8	758577.58	2630267.99
15:46:00	15:46:00	58.9	73.1	59.6	58.3	8:03 AM	776247.12	58.9	776247.12	58.9	776247.12	912010.84
15:47:00	15:47:00	59.1	72.8	59.8	58.7	8:04 AM	812830.52	59.1	812830.52	59.1	812830.52	954992.59
15:48:00	15:48:00	59.5	78.3	62.7	58.6	8:05 AM	891250.94	59.5	891250.94	59.5	891250.94	1862087.14
15:49:00	15:49:00	60.6	84.4	65.4	58.3	8:06 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	3467368.50
15:50:00	15:50:00	58.3	72.3	59	57.5	8:07 AM	676082.98	58.3	676082.98	58.3	676082.98	794328.23
15:51:00	15:51:00	58.2	74.1	60.8	57.4	8:08 AM	660693.45	58.2	660693.45	58.2	660693.45	1202264.43
15:52:00	15:52:00	62.2	85.1	67.8	57.7	8:09 AM	1659586.91	62.2	1659586.91	62.2	1659586.91	6025595.86
15:53:00	15:53:00	65.3	91.3	75.4	57.7	8:10 AM	3388441.56	65.3	3388441.56	65.3	3388441.56	34673685.05
15:54:00	15:54:00	59.1	76.3	62.6	57.2	8:11 AM	812830.52	59.1	812830.52	59.1	812830.52	1819700.86
15:55:00	15:55:00	59.3	78.1	64.1	56.8	8:12 AM	851138.04	59.3	851138.04	59.3	851138.04	2570395.78
15:56:00	15:56:00	57.7	71.7	58.7	57.1	8:13 AM	588843.66	57.7	588843.66	57.7	588843.66	741310.24
15:57:00	15:57:00	58.7	74.3	61.7	57.6	8:14 AM	741310.24	58.7	741310.24	58.7	741310.24	1479108.39
15:58:00	15:58:00	57.9	73.3	60.1	57.1	8:15 AM	616595.00	57.9	616595.00	57.9	616595.00	1023292.99
15:59:00	15:59:00	58.1	75.1	62	57.2	8:16 AM	645654.23	58.1	645654.23	58.1	645654.23	1584893.19
16:00:00	16:00:00	57.9	78.5	63.1	56.4	8:17 AM	616595.00	57.9	616595.00	57.9	616595.00	2041737.94
16:01:00	16:01:00	57.6	73.5	60	56.5	8:18 AM	575439.94	57.6	575439.94	57.6	575439.94	1000000.00
16:02:00	16:02:00	59.8	84.6	68.3	57.3	8:19 AM	954992.59	59.8	954992.59	59.8	954992.59	6760829.75
16:03:00	16:03:00	58.7	74.8	61.8	57	8:20 AM	741310.24	58.7	741310.24	58.7	741310.24	1513561.25
16:04:00	16:04:00	58.6	83.4	67.5	56.8	8:21 AM	724435.96	58.6	724435.96	58.6	724435.96	5623413.25
16:05:00	16:05:00	58.3	77.6	67.3	57.1	8:22 AM	676082.98	58.3	676082.98	58.3	676082.98	5370317.96
16:06:00	16:06:00	57.9	72.2	59.4	57.2	8:23 AM	616595.00	57.9	616595.00	57.9	616595.00	870963.59
16:07:00	16:07:00	59.2	78.1	64.6	56.7	8:24 AM	831763.77	59.2	831763.77	59.2	831763.77	2884031.50
16:08:00	16:08:00	59.1	84.3	69	56.8	8:25 AM	812830.52	59.1	812830.52	59.1	812830.52	7943282.35
16:09:00	16:09:00	58.7	76.4	65.3	57	8:26 AM	741310.24	58.7	741310.24	58.7	741310.24	3388441.56
16:10:00	16:10:00	59	76.3	62.7	57.6	8:27 AM	794328.23	59	794328.23	59.0	794328.23	1862087.14
16:11:00	16:11:00	57.8	79.1	63.1	57	8:28 AM	602559.59	57.8	602559.59	57.8	602559.59	2041737.94
16:12:00	16:12:00	57.9	77.7	63	57	8:29 AM	616595.00	57.9	616595.00	57.9	616595.00	1995262.31
16:13:00	16:13:00	57.7	71.5	58.3	57.1	8:30 AM	588843.66	57.7	588843.66	57.7	588843.66	676082.98
16:14:00	16:14:00	57.9	72.7	58.5	57.4	8:31 AM	616595.00	57.9	616595.00	57.9	616595.00	707945.78
16:15:00	16:15:00	58.6	82.1	65.1	57.2	8:32 AM	724435.96	58.6	724435.96	58.6	724435.96	3235936.57
16:16:00	16:16:00	57.4	71	57.7	57.1	8:33 AM	549540.87	57.4	549540.87	57.4	549540.87	588843.66
16:17:00	16:17:00	57.4	71.7	58.1	56.7	8:34 AM	549540.87	57.4	549540.87	57.4	549540.87	645654.23
16:18:00	16:18:00	59.4	76.2	62.3	57.3	8:35 AM	870963.59	59.4	870963.59	59.4	870963.59	1698243.65
16:19:00	16:19:00	60.9	80	67.8	57.5	8:36 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	6025595.86
16:20:00	16:20:00	57.9	76.3	60.8	56.6	8:37 AM	616595.00	57.9	616595.00	57.9	616595.00	1202264.43
16:21:00	16:21:00	57.9	82.3	62.8	56.7	8:38 AM	616595.00	57.9	616595.00	57.9	616595.00	1905460.72
16:22:00	16:22:00	63	85.4	72.5	56.7	8:39 AM	1995262.31	63	1995262.31	63.0	1995262.31	17782794.10
16:23:00	16:23:00	57.7	73.8	60.4	56.8	8:40 AM	588843.66	57.7	588843.66	57.7	588843.66	1096478.20
16:24:00	16:24:00	62.6	85.8	70.2	58.7	8:41 AM	1819700.86	62.6	1819700.86	62.6	1819700.86	10471285.48
16:25:00	16:25:00	59.6	82	64.6	57.8	8:42 AM	912010.84	59.6	912010.84	59.6	912010.84	2884031.50
16:26:00	16:26:00	59.9	80.3	66	57.8	8:43 AM	977237.22	59.9	977237.22	59.9	977237.22	3981071.71
16:27:00	16:27:00	58.6	76.1	61.9	56.9	8:44 AM	724435.96	58.6	724435.96	58.6	724435.96	1548816.62
16:28:00	16:28:00	59.2	82.2	66.6	56.1	8:45 AM	831763.77	59.2	831763.77	59.2	831763.77	4570881.90
16:29:00	16:29:00	57.9	77.7	60.1	56.6	8:46 AM	616595.00	57.9	616595.00	57.9	616595.00	1023292.99
16:30:00	16:30:00	58.1	73.3	61.1	56.9	8:47 AM	645654.23	58.1	645654.23	58.1	645654.23	1288249.55
16:31:00	16:31:00	58.9	75.5	62.4	57.1	8:48 AM	776247.12	58.9	776247.12	58.9	776247.12	1737800.83
16:32:00	16:32:00	57.5	71.8	58.8	56.9	8:49 AM	562341.33	57.5	562341.33	57.5	562341.33	758577.58
16:33:00	16:33:00	59.9	81.9	65.8	57.1	8:50 AM	977237.22	59.9	977237.22	59.9	977237.22	3801893.96
16:34:00	16:34:00	57.5	72.3	58.2	56.8	8:51 AM	562341.33	57.5	562341.33	57.5	562341.33	660693.45
16:35:00	16:35:00	58.2	77.8	64.6	56	8:52 AM	660693.45	58.2	660693.45	58.2	660693.45	2884031.50
16:36:00	16:36:00	57.1	76.2	61.2	55.9	8:53 AM	512861.38	57.1	512861.38	57.1	512861.38	1318256.74
16:37:00	16:37:00	64.7	86.3	74	56.3	8:54 AM	2951209.23	64.7	2951209.23	64.7	2951209.23	25118864.32
16:38:00	16:38:00	57.5	75.9	62.4	56.4	8:55 AM	562341.33	57.5	562341.33	57.5	562341.33	1737800.83
16:39:00	16:39:00	56.8	70.6	57.2	56.4	8:56 AM	478630.09	56.8	478630.09	56.8	478630.09	524807.46
16:40:00	16:40:00	59.9	78.9	66	57	8:57 AM	977237.22	59.9	977237.22	59.9	977237.22	3981071.71
16:41:00	16:41:00	61.6	82.2	66.4	58.2	8:58 AM	1445439.77	61.6	1445439.77	61.6	1445439.77	4365158.32
16:42:00	16:42:00	64.9	87.1	70.3	57.7	8:59 AM	3090295.43	64.9	3090295.43	64.9	3090295.43	10715193.05
16:43:00	16:43:00	58.5	78	64.7	56	9:00 AM	707945.78	58.5	707945.78	58.5	707945.78	2951209.23
16:44:00	16:44:00	58.8	77.7	62.6	56	9:01 AM	758577.58	58.8	758577.58	58.8	758577.58	1819700.86
16:45:00	16:45:00	57.5	80.4	62.8	55.8	9:02 AM	562341.33	57.5	562341.33	57.5	562341.33	1905460.72
16:46:00	16:46:00	58	73.7	60.4	56.7	9:03 AM	630957.34	58	630957.34	58.0	630957.34	1096478.20
16:47:00	16:47:00	56.4	72	58.1	55.8	9:04 AM	436515.83	56.4	436515.83	56.4	436515.83	645654.23
16:48:00	16:48:00	60.7	83.6	69.6	56	9:05 AM	1174897.55	60.7	1174897.55	60.7	1174897.55	9120108.39
16:49:00	16:49:00	64.5	86.7	73.9	56.1	9:06 AM	2818382.93	64.5	2818382.93	64.5	2818382.93	24547089.16
16:50:00	16:50:00	59.4	82.6	66.1	57.3	9:07 AM	870963.59	59.4	870963.59	59.4	870963.59	4073802.78
16:51:00	16:51:00	57.6	79.5	61.9	56.4	9:08 AM	575439.94	57.6	575439.94	57.6	575439.94	1548816.62
16:52:00	16:52:00	57.8	82.3	64.3	55.4	9:09 AM	602559.59	57.8	602559.59	57.8	602559.59	2691534.80
16:53:00	16:53:00	56.6	71.4	57.9	55.3	9:10 AM	457088.19	56.6	457088.19	56.6	457088.19	616595.00
16:54:00	16:54:00	57	74.5	61.2	55.8	9:11 AM	501187.23	57	501187.23	57.0	501187.23	1318256.74
16:55:00	16:55:00	60.3	81.3	68.1	55.9	9:12 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	6456542.29
16:56:00	16:56:00	57.2	74.2	60.7	56	9:13 AM	524807.46	57.2	524807.46	57.2	524807.46	1174897.55
16:57:00	16:57:00	57.9	78.8	63.7	56.2	9:14 AM	616595.00	57.9	616595.00	57.9	616595.00	2344228.82
16:58:00	16:58:00	58.1	74.2	60.9	56	9:15 AM	645654.23	58.1	645654.23	58.1	645654.23	1230268.77
16:59:00	16:59:00	56.1	70.2	57.1	55.8	9:16 AM	407380.28	56.1	407380.28	56.1	407380.28	512861.38
17:00:00	17:00:00	59.7	77.6	64.8	56.5	9:17 AM	933254.30	59.7	933254.30	59.7	933254.30	3019951.72
17:01:00	17:01:00	58.2	82.8	63.4	56.6	9:18						

## Data

17:26:00	17:26:00	56.9	72.7	58.8	56.1	9:43 AM	489778.82	56.9	489778.82	56.9	489778.82	758577.58
17:27:00	17:27:00	56.5	70.7	57.2	56	9:44 AM	446683.59	56.5	446683.59	56.5	446683.59	524807.46
17:28:00	17:28:00	58.2	75.8	60.2	56.9	9:45 AM	660693.45	58.2	660693.45	58.2	660693.45	1047128.55
17:29:00	17:29:00	58.1	73	60	57.1	9:46 AM	645654.23	58.1	645654.23	58.1	645654.23	1000000.00
17:30:00	17:30:00	57.8	77	60.6	56.1	9:47 AM	602559.59	57.8	602559.59	57.8	602559.59	1148153.62
17:31:00	17:31:00	57.1	77.2	61.1	55.9	9:48 AM	512861.38	57.1	512861.38	57.1	512861.38	1288249.55
17:32:00	17:32:00	57.3	74.3	58.6	56.5	9:49 AM	537031.80	57.3	537031.80	57.3	537031.80	724435.96
17:33:00	17:33:00	58.8	83.4	66	57	9:50 AM	758577.58	58.8	758577.58	58.8	758577.58	3981071.71
17:34:00	17:34:00	58.3	76.6	63.2	56.7	9:51 AM	676082.98	58.3	676082.98	58.3	676082.98	2089296.13
17:35:00	17:35:00	60.7	78.8	65.5	56.7	9:52 AM	1174897.55	60.7	1174897.55	60.7	1174897.55	3548133.89
17:36:00	17:36:00	60.8	80.7	64.6	57.3	9:53 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	2884031.50
17:37:00	17:37:00	58.6	75.4	61.7	57.7	9:54 AM	724435.96	58.6	724435.96	58.6	724435.96	1479108.39
17:38:00	17:38:00	58	72.4	58.5	57	9:55 AM	630957.34	58	630957.34	58.0	630957.34	707945.78
17:39:00	17:39:00	58.1	79.1	63	56.7	9:56 AM	645654.23	58.1	645654.23	58.1	645654.23	1995262.31
17:40:00	17:40:00	59.1	80.4	64.4	56.3	9:57 AM	812830.52	59.1	812830.52	59.1	812830.52	2754228.70
17:41:00	17:41:00	57.6	73.9	60.9	56.5	9:58 AM	575439.94	57.6	575439.94	57.6	575439.94	1230268.77
17:42:00	17:42:00	57.7	72.6	59.3	56.8	9:59 AM	588843.66	57.7	588843.66	57.7	588843.66	851138.04
17:43:00	17:43:00	60	77.5	64.5	57.2	10:00 AM	1000000.00	60	1000000.00	60.0	1000000.00	2818382.93
17:44:00	17:44:00	60.4	89.7	68.7	57.4	10:01 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	7413102.41
17:45:00	17:45:00	61.5	82	69.2	57.7	10:02 AM	1412537.54	61.5	1412537.54	61.5	1412537.54	8317637.71
17:46:00	17:46:00	59.4	81.1	64.3	57	10:03 AM	870963.59	59.4	870963.59	59.4	870963.59	2691534.80
17:47:00	17:47:00	58.1	71.9	60.2	57.4	10:04 AM	645654.23	58.1	645654.23	58.1	645654.23	1047128.55
17:48:00	17:48:00	58.1	72.9	58.9	57	10:05 AM	645654.23	58.1	645654.23	58.1	645654.23	776247.12
17:49:00	17:49:00	58.6	75.4	59.9	58	10:06 AM	724435.96	58.6	724435.96	58.6	724435.96	977237.22
17:50:00	17:50:00	59.5	75	61.5	57.6	10:07 AM	891250.94	59.5	891250.94	59.5	891250.94	1412537.54
17:51:00	17:51:00	61.6	79.3	66.1	57.4	10:08 AM	1445439.77	61.6	1445439.77	61.6	1445439.77	4073802.78
17:52:00	17:52:00	58.4	82.9	64.3	56.6	10:09 AM	691830.97	58.4	691830.97	58.4	691830.97	2691534.80
17:53:00	17:53:00	57	71	58.6	56.4	10:10 AM	501187.23	57	501187.23	57.0	501187.23	724435.96
17:54:00	17:54:00	58.4	77.1	64.4	56.3	10:11 AM	691830.97	58.4	691830.97	58.4	691830.97	2754228.70
17:55:00	17:55:00	61.5	83.8	66.4	57.1	10:12 AM	1412537.54	61.5	1412537.54	61.5	1412537.54	4365158.32
17:56:00	17:56:00	62.3	85.5	72.1	56.7	10:13 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	16218100.97
17:57:00	17:57:00	58.3	75.4	64.7	56.1	10:14 AM	676082.98	58.3	676082.98	58.3	676082.98	2951209.23
17:58:00	17:58:00	57.5	75.1	61.1	56.3	10:15 AM	562341.33	57.5	562341.33	57.5	562341.33	1288249.55
17:59:00	17:59:00	56.3	70.2	56.9	55	10:16 AM	426579.52	56.3	426579.52	56.3	426579.52	489778.82
18:00:00	18:00:00	58.1	81.2	62.2	55.2	10:17 AM	645654.23	58.1	645654.23	58.1	645654.23	1659586.91
18:01:00	18:01:00	57.7	79.7	63.3	56.3	10:18 AM	588843.66	57.7	588843.66	57.7	588843.66	2137962.09
18:02:00	18:02:00	60.3	79.1	66.1	57.2	10:19 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	4073802.78
18:03:00	18:03:00	57.5	74.3	60.2	55.8	10:20 AM	562341.33	57.5	562341.33	57.5	562341.33	1047128.55
18:04:00	18:04:00	56.5	72.2	59.2	55.1	10:21 AM	446683.59	56.5	446683.59	56.5	446683.59	831763.77
18:05:00	18:05:00	55.7	69.8	56.3	54.9	10:22 AM	371535.23	55.7	371535.23	55.7	371535.23	426579.52
18:06:00	18:06:00	57.5	72.8	59.3	55.9	10:23 AM	562341.33	57.5	562341.33	57.5	562341.33	851138.04
18:07:00	18:07:00	58.9	75.1	61.6	57.2	10:24 AM	776247.12	58.9	776247.12	58.9	776247.12	1445439.77
18:08:00	18:08:00	62.2	84.9	71.8	56.7	10:25 AM	1659586.91	62.2	1659586.91	62.2	1659586.91	15135612.48
18:09:00	18:09:00	61.7	86.4	68.1	57.5	10:26 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	6456542.29
18:10:00	18:10:00	61.3	81.2	66.6	58.5	10:27 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	4570881.90
18:11:00	18:11:00	57.3	72.6	59.4	55.6	10:28 AM	537031.80	57.3	537031.80	57.3	537031.80	870963.59
18:12:00	18:12:00	58.6	81.7	66	55.3	10:29 AM	724435.96	58.6	724435.96	58.6	724435.96	3981071.71
18:13:00	18:13:00	55.6	70.1	58.1	55	10:30 AM	363078.05	55.6	363078.05	55.6	363078.05	645654.23
18:14:00	18:14:00	56.6	71.6	58	55.4	10:31 AM	457088.19	56.6	457088.19	56.6	457088.19	630957.34
18:15:00	18:15:00	55.6	70.2	56.8	54.6	10:32 AM	363078.05	55.6	363078.05	55.6	363078.05	478630.09
18:16:00	18:16:00	55	68.8	56	54	10:33 AM	316227.77	55	316227.77	55.0	316227.77	398107.17
18:17:00	18:17:00	60.7	81.5	67.6	54.4	10:34 AM	1174897.55	60.7	1174897.55	60.7	1174897.55	5754399.37
18:18:00	18:18:00	57.1	86.4	62.5	55.5	10:35 AM	512861.38	57.1	512861.38	57.1	512861.38	1778279.41
18:19:00	18:19:00	59.1	80	64.5	55.4	10:36 AM	812830.52	59.1	812830.52	59.1	812830.52	2818382.93
18:20:00	18:20:00	56.1	71.8	60.1	54.8	10:37 AM	407380.28	56.1	407380.28	56.1	407380.28	1023292.99
18:21:00	18:21:00	56.3	69.9	57.2	54.9	10:38 AM	426579.52	56.3	426579.52	56.3	426579.52	524807.46
18:22:00	18:22:00	56.3	70.4	56.9	55.9	10:39 AM	426579.52	56.3	426579.52	56.3	426579.52	489778.82
18:23:00	18:23:00	57.3	76	60.1	55.7	10:40 AM	537031.80	57.3	537031.80	57.3	537031.80	1023292.99
18:24:00	18:24:00	58.8	80.8	63.7	55.5	10:41 AM	758577.58	58.8	758577.58	58.8	758577.58	2344228.82
18:25:00	18:25:00	56.8	71.9	58.7	55.8	10:42 AM	478630.09	56.8	478630.09	56.8	478630.09	741310.24
18:26:00	18:26:00	57.7	73.3	60.1	55.8	10:43 AM	588843.66	57.7	588843.66	57.7	588843.66	1023292.99
18:27:00	18:27:00	55.7	70.9	56.4	54.9	10:44 AM	371535.23	55.7	371535.23	55.7	371535.23	436515.83
18:28:00	18:28:00	56.1	70.1	56.7	55.5	10:45 AM	407380.28	56.1	407380.28	56.1	407380.28	467735.14
18:29:00	18:29:00	56.4	77.7	60.3	54.8	10:46 AM	436515.83	56.4	436515.83	56.4	436515.83	1071519.31
18:30:00	18:30:00	56.5	76.3	58.2	55.5	10:47 AM	446683.59	56.5	446683.59	56.5	446683.59	660693.45
18:31:00	18:31:00	57.9	81.1	65.1	55.2	10:48 AM	616595.00	57.9	616595.00	57.9	616595.00	3235936.57
18:32:00	18:32:00	59.6	78	64.9	55.5	10:49 AM	912010.84	59.6	912010.84	59.6	912010.84	3090295.43
18:33:00	18:33:00	56.7	76.6	61.7	55.4	10:50 AM	467735.14	56.7	467735.14	56.7	467735.14	1479108.39
18:34:00	18:34:00	56.9	71.9	58.8	55.6	10:51 AM	489778.82	56.9	489778.82	56.9	489778.82	758577.58
18:35:00	18:35:00	64.3	90.2	73.9	56.8	10:52 AM	2691534.80	64.3	2691534.80	64.3	2691534.80	24547089.16
18:36:00	18:36:00	59.4	79.4	65.8	56	10:53 AM	870963.59	59.4	870963.59	59.4	870963.59	3801893.96
18:37:00	18:37:00	58.3	76.3	61.8	56.6	10:54 AM	676082.98	58.3	676082.98	58.3	676082.98	1513561.25
18:38:00	18:38:00	57	73.8	60.6	56	10:55 AM	501187.23	57	501187.23	57.0	501187.23	1148153.62
18:39:00	18:39:00	56.7	78.6	60.9	55.1	10:56 AM	467735.14	56.7	467735.14	56.7	467735.14	1230268.77
18:40:00	18:40:00	60.3	78.7	64.6	55.7	10:57 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	2884031.50
18:41:00	18:41:00	58.3	82.1	65.7	55.6	10:58 AM	676082.98	58.3	676082.98	58.3	676082.98	3715352.29
18:42:00	18:42:00	59.9	80.3	66	54.9	10:59 AM	977237.22	59.9	977237.22	59.9	977237.22	3981071.71
18:43:00	18:43:00	55.3	72.4	56.4	54.8	11:00 AM	338844.16	55.3	338844.16	55.3	338844.16	436515.83
18:44:00	18:44:00	56.8	78.6	62.9	55.1	11:01 AM	478630.09	56.8	478630.09	56.8	478630.09	1949844.60
18:45:00	18:45:00	59.5	77.4	64.6	55.4	11:02 AM	891250.94	59.5	891250.94	59.5	891250.94	2884031.50
18:46:00	18:46:00											

19:11:00	19:11:00	57.5	80.6	63.2	56.1	11:28 AM	562341.33	57.5	562341.33	57.5	562341.33	2089296.13
19:12:00	19:12:00	57.3	80	63.3	55.9	11:29 AM	537031.80	57.3	537031.80	57.3	537031.80	2137962.09
19:13:00	19:13:00	57.3	79.7	63	55.7	11:30 AM	537031.80	57.3	537031.80	57.3	537031.80	1995262.31
19:14:00	19:14:00	56.2	73.4	62.1	55.1	11:31 AM	416869.38	56.2	416869.38	56.2	416869.38	1621810.10
19:15:00	19:15:00	56.2	71	57.2	55.2	11:32 AM	416869.38	56.2	416869.38	56.2	416869.38	524807.46
19:16:00	19:16:00	57.8	80.8	64.5	56.3	11:33 AM	602559.59	57.8	602559.59	57.8	602559.59	2818382.93
19:17:00	19:17:00	61.7	86.3	70.3	55.5	11:34 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	10715193.05
19:18:00	19:18:00	55.8	71.9	56.5	54.7	11:35 AM	380189.40	55.8	380189.40	55.8	380189.40	446683.59
19:19:00	19:19:00	58.6	80.5	64	55.2	11:36 AM	724435.96	58.6	724435.96	58.6	724435.96	2511886.43
19:20:00	19:20:00	57	73.6	60.6	55.7	11:37 AM	501187.23	57	501187.23	57.0	501187.23	1148153.62
19:21:00	19:21:00	56.3	71.8	57.3	55.7	11:38 AM	426579.52	56.3	426579.52	56.3	426579.52	537031.80
19:22:00	19:22:00	65.1	82.7	68.9	56.9	11:39 AM	3235936.57	65.1	3235936.57	65.1	3235936.57	7762471.17
19:23:00	19:23:00	66.6	88.7	72.8	65	11:40 AM	4570881.90	66.6	4570881.90	66.6	4570881.90	19054607.18
19:24:00	19:24:00	66.4	85.2	68.2	65.9	11:41 AM	4365158.32	66.4	4365158.32	66.4	4365158.32	6606934.48
19:25:00	19:25:00	66.4	81.8	67.2	65.8	11:42 AM	4365158.32	66.4	4365158.32	66.4	4365158.32	5248074.60
19:26:00	19:26:00	64.4	81.2	67.1	54.7	11:43 AM	2754228.70	64.4	2754228.70	64.4	2754228.70	5128613.84
19:27:00	19:27:00	56.8	76.1	60.6	55.1	11:44 AM	478630.09	56.8	478630.09	56.8	478630.09	1148153.62
19:28:00	19:28:00	57.4	81.1	65.2	55.9	11:45 AM	549540.87	57.4	549540.87	57.4	549540.87	3311311.21
19:29:00	19:29:00	57.6	76.9	63.5	55.8	11:46 AM	575439.94	57.6	575439.94	57.6	575439.94	2238721.14
19:30:00	19:30:00	57.3	76.5	61.5	55.3	11:47 AM	537031.80	57.3	537031.80	57.3	537031.80	1412537.54
19:31:00	19:31:00	73.7	102	87.9	56.1	11:48 AM	23442288.15	73.7	23442288.15	73.7	23442288.15	616595001.86
19:32:00	19:32:00	56.9	72.1	60	56	11:49 AM	489778.82	56.9	489778.82	56.9	489778.82	1000000.00
19:33:00	19:33:00	56.8	70.8	57.9	55.9	11:50 AM	478630.09	56.8	478630.09	56.8	478630.09	616595.00
19:34:00	19:34:00	58.1	78.8	61.2	56.6	11:51 AM	645654.23	58.1	645654.23	58.1	645654.23	1318256.74
19:35:00	19:35:00	58.4	85.2	65.5	56.3	11:52 AM	691830.97	58.4	691830.97	58.4	691830.97	3548133.89
19:36:00	19:36:00	57.6	84.1	64.2	55.8	11:53 AM	575439.94	57.6	575439.94	57.6	575439.94	2630267.99
19:37:00	19:37:00	63.6	86.3	74.2	55.7	11:54 AM	2290867.65	63.6	2290867.65	63.6	2290867.65	26302679.92
19:38:00	19:38:00	58.1	72.4	61.3	57.1	11:55 AM	645654.23	58.1	645654.23	58.1	645654.23	1348962.88
19:39:00	19:39:00	57.4	73.5	59.7	56.5	11:56 AM	549540.87	57.4	549540.87	57.4	549540.87	933254.30
19:40:00	19:40:00	58.3	85.6	66.6	54.8	11:57 AM	676082.98	58.3	676082.98	58.3	676082.98	4570881.90
19:41:00	19:41:00	63.9	99.6	83.5	55.7	11:58 AM	2454708.92	63.9	2454708.92	63.9	2454708.92	223872113.86
19:42:00	19:42:00	79	98.4	84.6	66.6	11:59 AM	79432823.47	79	79432823.47	79.0	79432823.47	288403150.31
19:43:00	19:43:00	63	81.7	68.5	59.1	12:00 PM	1995262.31	63	1995262.31	63.0	1995262.31	7079457.84
19:44:00	19:44:00	59.2	75.2	61.1	55.3	12:01 PM	831763.77	59.2	831763.77	59.2	831763.77	1288249.55
19:45:00	19:45:00	57.5	79.8	64.2	55.5	12:02 PM	562341.33	57.5	562341.33	57.5	562341.33	2630267.99
19:46:00	19:46:00	57	72.3	58.3	56.4	12:03 PM	501187.23	57	501187.23	57.0	501187.23	676082.98
19:47:00	19:47:00	63.1	84.2	69.6	56.4	12:04 PM	2041737.94	63.1	2041737.94	63.1	2041737.94	9120108.39
19:48:00	19:48:00	57.3	78.9	60.8	55.5	12:05 PM	537031.80	57.3	537031.80	57.3	537031.80	1202264.43
19:49:00	19:49:00	57.6	76.7	62.6	55.9	12:06 PM	575439.94	57.6	575439.94	57.6	575439.94	1819700.86
19:50:00	19:50:00	60.2	84	70.7	56.6	12:07 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	11748975.55
19:51:00	19:51:00	59.3	80.3	67.7	56	12:08 PM	851138.04	59.3	851138.04	59.3	851138.04	5888436.55
19:52:00	19:52:00	59.4	80	64.2	56.1	12:09 PM	870963.59	59.4	870963.59	59.4	870963.59	2630267.99
19:53:00	19:53:00	61.1	78.5	65.7	57.6	12:10 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	3715352.29
19:54:00	19:54:00	58.9	79	64.3	55.5	12:11 PM	776247.12	58.9	776247.12	58.9	776247.12	2691534.80
19:55:00	19:55:00	64.7	83.2	70.9	57.7	12:12 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	12302687.71
19:56:00	19:56:00	59.8	80.6	64.6	56.5	12:13 PM	954992.59	59.8	954992.59	59.8	954992.59	2884031.50
19:57:00	19:57:00	57.4	77.8	59.5	56.3	12:14 PM	549540.87	57.4	549540.87	57.4	549540.87	891250.94
19:58:00	19:58:00	78.2	98.4	85.1	56.5	12:15 PM	66069344.80	78.2	66069344.80	78.2	66069344.80	32359366.93
19:59:00	19:59:00	71.9	93.5	80.8	58.6	12:16 PM	15488166.19	71.9	15488166.19	71.9	15488166.19	12022644.46
20:00:00	20:00:00	58.5	80.8	65.2	55.7	12:17 PM	707945.78	58.5	707945.78	58.5	707945.78	3311311.21
20:01:00	20:01:00	56.7	73.5	59.4	55.1	12:18 PM	467735.14	56.7	467735.14	56.7	467735.14	870963.59
20:02:00	20:02:00	57.6	78.6	63	55.1	12:19 PM	575439.94	57.6	575439.94	57.6	575439.94	1995262.31
20:03:00	20:03:00	60.3	80.4	65.3	55.3	12:20 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	3388441.56
20:04:00	20:04:00	57.1	79.4	62.1	54.9	12:21 PM	512861.38	57.1	512861.38	57.1	512861.38	1621810.10
20:05:00	20:05:00	56.2	71.7	58.7	54.4	12:22 PM	416869.38	56.2	416869.38	56.2	416869.38	741310.24
20:06:00	20:06:00	57	83.8	63.8	54.9	12:23 PM	501187.23	57	501187.23	57.0	501187.23	2398832.92
20:07:00	20:07:00	55.6	74.8	56.9	55	12:24 PM	363078.05	55.6	363078.05	55.6	363078.05	489778.82
20:08:00	20:08:00	55.8	69.9	57	54.3	12:25 PM	380189.40	55.8	380189.40	55.8	380189.40	501187.23
20:09:00	20:09:00	59.8	76.3	63.4	56.9	12:26 PM	954992.59	59.8	954992.59	59.8	954992.59	2187761.62
20:10:00	20:10:00	58.3	75.6	61.2	57.2	12:27 PM	676082.98	58.3	676082.98	58.3	676082.98	1318256.74
20:11:00	20:11:00	56.7	76.8	59.1	55.5	12:28 PM	467735.14	56.7	467735.14	56.7	467735.14	812830.52
20:12:00	20:12:00	56.9	71.9	58.2	55.9	12:29 PM	489778.82	56.9	489778.82	56.9	489778.82	606093.45
20:13:00	20:13:00	63.8	81.2	67.6	56	12:30 PM	2398832.92	63.8	2398832.92	63.8	2398832.92	5754399.37
20:14:00	20:14:00	69.2	91.9	79.8	65.1	12:31 PM	8317637.71	69.2	8317637.71	69.2	8317637.71	95499258.60
20:15:00	20:15:00	64.8	80.6	67.3	58.6	12:32 PM	3019951.72	64.8	3019951.72	64.8	3019951.72	537031.96
20:16:00	20:16:00	60.3	78.8	65.2	55.3	12:33 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	3311311.21
20:17:00	20:17:00	59.4	80.1	64.2	55.7	12:34 PM	870963.59	59.4	870963.59	59.4	870963.59	2630267.99
20:18:00	20:18:00	56.4	74.9	57.5	55.2	12:35 PM	436515.83	56.4	436515.83	56.4	436515.83	562341.33
20:19:00	20:19:00	56.2	72.7	57	55	12:36 PM	416869.38	56.2	416869.38	56.2	416869.38	501187.23
20:20:00	20:20:00	57	71.9	58	56.1	12:37 PM	501187.23	57	501187.23	57.0	501187.23	630957.34
20:21:00	20:21:00	62.1	87.7	68.6	56.8	12:38 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	7244359.60
20:22:00	20:22:00	56.9	71.1	58.2	55.7	12:39 PM	489778.82	56.9	489778.82	56.9	489778.82	606093.45
20:23:00	20:23:00	58	78	61.9	55.7	12:40 PM	630957.34	58	630957.34	58.0	630957.34	1548816.62
20:24:00	20:24:00	58.7	79.8	62.5	55.3	12:41 PM	741310.24	58.7	741310.24	58.7	741310.24	1778279.41
20:25:00	20:25:00	60.7	78.1	66	57.6	12:42 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	3981071.71
20:26:00	20:26:00	65.6	86.8	73.8	56.9	12:43 PM	3630780.55	65.6	3630780.55	65.6	3630780.55	23988329.19
20:27:00	20:27:00	61.3	86.9	69.9	57.3	12:44 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	9772372.21
20:28:00	20:28:00	63.3	87.7	69.2	57.9	12:45 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	8317637.71
20:29:00	20:29:00	59.1	78.1	63.4	57.7	12:46 PM	812830.52	59.1	812830.52	59.1	812830.52	2187761.62
20:30:00	20:30:00	61.8	80.7	67	57.7	12:47 PM	1513561.25	61.8	1513561.25	61.8		

## Data

20:56:00	20:56:00	57.8	72.3	59	57	1:13 PM	602559.59	57.8	602559.59	57.8	602559.59	794328.23
20:57:00	20:57:00	59.2	78.3	66	56.8	1:14 PM	831763.77	59.2	831763.77	59.2	831763.77	3981071.71
20:58:00	20:58:00	58.8	81.7	64	56.6	1:15 PM	758577.58	58.8	758577.58	58.8	758577.58	251886.43
20:59:00	20:59:00	58.3	76	60.2	57.1	1:16 PM	676082.98	58.3	676082.98	58.3	676082.98	1047128.55
21:00:00	21:00:00	58.3	76.1	61.2	57.1	1:17 PM	676082.98	58.3	676082.98	58.3	676082.98	1318256.74
21:01:00	21:01:00	58.9	78	61.2	57.5	1:18 PM	776247.12	58.9	776247.12	58.9	776247.12	1318256.74
21:02:00	21:02:00	60.7	82	66	57.8	1:19 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	3981071.71
21:03:00	21:03:00	59	80.2	64.4	57.4	1:20 PM	794328.23	59	794328.23	59.0	794328.23	2754228.70
21:04:00	21:04:00	59.5	78.6	64.4	57.4	1:21 PM	891250.94	59.5	891250.94	59.5	891250.94	2754228.70
21:05:00	21:05:00	58.2	73	59.7	57.4	1:22 PM	660693.45	58.2	660693.45	58.2	660693.45	933254.30
21:06:00	21:06:00	60.6	79.2	63	58.8	1:23 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	1995262.31
21:07:00	21:07:00	62.5	83.4	68.3	57.7	1:24 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	6760829.75
21:08:00	21:08:00	59.3	76.1	62.2	57.9	1:25 PM	851138.04	59.3	851138.04	59.3	851138.04	1659586.91
21:09:00	21:09:00	58.2	72.3	59.3	57.3	1:26 PM	660693.45	58.2	660693.45	58.2	660693.45	851138.04
21:10:00	21:10:00	58.9	81.5	65.6	57.1	1:27 PM	776247.12	58.9	776247.12	58.9	776247.12	3630780.55
21:11:00	21:11:00	57.6	71.6	61	56.4	1:28 PM	575439.94	57.6	575439.94	57.6	575439.94	1258925.41
21:12:00	21:12:00	59.4	77.9	64.2	57.1	1:29 PM	870963.59	59.4	870963.59	59.4	870963.59	2630267.99
21:13:00	21:13:00	60.8	80.9	66	57.5	1:30 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	3981071.71
21:14:00	21:14:00	58.2	72.7	58.8	57.8	1:31 PM	660693.45	58.2	660693.45	58.2	660693.45	758577.58
21:15:00	21:15:00	58	72.3	59.5	57.3	1:32 PM	630957.34	58	630957.34	58.0	630957.34	891250.94
21:16:00	21:16:00	58.6	80.2	63.4	57.1	1:33 PM	724435.96	58.6	724435.96	58.6	724435.96	2187761.62
21:17:00	21:17:00	62.1	83.3	66.6	58.6	1:34 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	4570881.90
21:18:00	21:18:00	58.3	76.8	60.2	57.3	1:35 PM	676082.98	58.3	676082.98	58.3	676082.98	1047128.55
21:19:00	21:19:00	59.3	80.8	65.3	57.3	1:36 PM	851138.04	59.3	851138.04	59.3	851138.04	3388441.56
21:20:00	21:20:00	58.4	72.6	60.2	57.6	1:37 PM	691830.97	58.4	691830.97	58.4	691830.97	1047128.55
21:21:00	21:21:00	61.1	81.5	64.8	58.6	1:38 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	3019951.72
21:22:00	21:22:00	62.5	88.1	73.5	58.2	1:39 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	22387211.39
21:23:00	21:23:00	61.8	82.7	66.1	58.2	1:40 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	4073802.78
21:24:00	21:24:00	58.6	79.7	62.4	57.5	1:41 PM	724435.96	58.6	724435.96	58.6	724435.96	1737800.83
21:25:00	21:25:00	57.9	72.8	59.7	56.9	1:42 PM	616595.00	57.9	616595.00	57.9	616595.00	933254.30
21:26:00	21:26:00	58	73.7	59	57.2	1:43 PM	630957.34	58	630957.34	58.0	630957.34	794328.23
21:27:00	21:27:00	58.8	75.2	61.1	57.7	1:44 PM	758577.58	58.8	758577.58	58.8	758577.58	1288249.55
21:28:00	21:28:00	59.4	77.5	63.7	57.4	1:45 PM	870963.59	59.4	870963.59	59.4	870963.59	2344228.82
21:29:00	21:29:00	59.7	80.2	65	57.3	1:46 PM	933254.30	59.7	933254.30	59.7	933254.30	3162277.66
21:30:00	21:30:00	59.1	75.8	61	57.8	1:47 PM	812830.52	59.1	812830.52	59.1	812830.52	1258925.41
21:31:00	21:31:00	59.8	84.2	65.2	57.7	1:48 PM	954992.59	59.8	954992.59	59.8	954992.59	3311311.21
21:32:00	21:32:00	58.2	75.4	59.1	57	1:49 PM	660693.45	58.2	660693.45	58.2	660693.45	812830.52
21:33:00	21:33:00	62.3	83	69.1	58.1	1:50 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	8128305.16
21:34:00	21:34:00	58.3	72.8	59.2	57.3	1:51 PM	676082.98	58.3	676082.98	58.3	676082.98	831763.77
21:35:00	21:35:00	58.2	75.9	60.1	56.9	1:52 PM	660693.45	58.2	660693.45	58.2	660693.45	1023292.99
21:36:00	21:36:00	57.2	71.8	58.2	56.5	1:53 PM	524807.46	57.2	524807.46	57.2	524807.46	660693.45
21:37:00	21:37:00	57.9	74	58.9	56.9	1:54 PM	616595.00	57.9	616595.00	57.9	616595.00	776247.12
21:38:00	21:38:00	57.3	71.7	58.2	56.4	1:55 PM	537031.80	57.3	537031.80	57.3	537031.80	660693.45
21:39:00	21:39:00	57.3	70.6	58	56.5	1:56 PM	537031.80	57.3	537031.80	57.3	537031.80	630957.34
21:40:00	21:40:00	57.8	72.5	59	56.9	1:57 PM	602559.59	57.8	602559.59	57.8	602559.59	794328.23
21:41:00	21:41:00	57.7	72.5	59.3	56.9	1:58 PM	588843.66	57.7	588843.66	57.7	588843.66	851138.04
21:42:00	21:42:00	57.9	72	58.7	56.6	1:59 PM	616595.00	57.9	616595.00	57.9	616595.00	741310.24
21:43:00	21:43:00	59.2	77.1	62.4	57.3	2:00 PM	831763.77	59.2	831763.77	59.2	831763.77	1737800.83
21:44:00	21:44:00	58.8	77.6	61.6	58	2:01 PM	758577.58	58.8	758577.58	58.8	758577.58	1445439.77
21:45:00	21:45:00	59.1	75.8	63.6	57.7	2:02 PM	812830.52	59.1	812830.52	59.1	812830.52	2290867.65
21:46:00	21:46:00	58.6	75.3	61.8	57.3	2:03 PM	724435.96	58.6	724435.96	58.6	724435.96	1513561.25
21:47:00	21:47:00	57.9	71.9	58.9	57.3	2:04 PM	616595.00	57.9	616595.00	57.9	616595.00	776247.12
21:48:00	21:48:00	58	72.2	60	56.9	2:05 PM	630957.34	58	630957.34	58.0	630957.34	1000000.00
21:49:00	21:49:00	59	73.6	60.4	58.2	2:06 PM	794328.23	59	794328.23	59.0	794328.23	1096478.20
21:50:00	21:50:00	58.1	71.9	58.6	57.5	2:07 PM	645654.23	58.1	645654.23	58.1	645654.23	724435.96
21:51:00	21:51:00	57.7	71.9	58.4	57	2:08 PM	588843.66	57.7	588843.66	57.7	588843.66	691830.97
21:52:00	21:52:00	58.6	78.6	63.2	57	2:09 PM	724435.96	58.6	724435.96	58.6	724435.96	2089296.13
21:53:00	21:53:00	57.9	72.5	58.4	57.3	2:10 PM	616595.00	57.9	616595.00	57.9	616595.00	691830.97
21:54:00	21:54:00	61.9	84.5	67.6	58.2	2:11 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	5754399.37
21:55:00	21:55:00	59.8	76.9	63.5	57.6	2:12 PM	954992.59	59.8	954992.59	59.8	954992.59	2238721.14
21:56:00	21:56:00	58.7	83.4	65.1	57.4	2:13 PM	741310.24	58.7	741310.24	58.7	741310.24	3235936.57
21:57:00	21:57:00	60.5	80.4	66	58.1	2:14 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	3981071.71
21:58:00	21:58:00	61.1	84.2	68.4	57.8	2:15 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	6918309.71
21:59:00	21:59:00	59.5	83.1	64.1	57.7	2:16 PM	891250.94	59.5	891250.94	59.5	891250.94	2570395.78
22:00:00	22:00:00	59.2	80.6	65.6	57.8	2:17 PM	831763.77	59.2	831763.77	59.2	831763.77	3630780.55
22:01:00	22:01:00	58.5	72.7	59.7	57.8	2:18 PM	707945.78	58.5	707945.78	58.5	707945.78	933254.30
22:02:00	22:02:00	66.8	88.8	75.9	57.7	2:19 PM	4786300.92	66.8	4786300.92	66.8	4786300.92	38904514.50
22:03:00	22:03:00	57.9	71.3	59.8	56.8	2:20 PM	616595.00	57.9	616595.00	57.9	616595.00	954992.59
22:04:00	22:04:00	58.6	80.3	63	57	2:21 PM	724435.96	58.6	724435.96	58.6	724435.96	1995262.31
22:05:00	22:05:00	58.7	75	62.4	57.7	2:22 PM	741310.24	58.7	741310.24	58.7	741310.24	1737800.83
22:06:00	22:06:00	63	86.9	74.8	57.4	2:23 PM	1995262.31	63	1995262.31	63.0	1995262.31	30199517.20
22:07:00	22:07:00	58.8	79.1	62.8	57.9	2:24 PM	758577.58	58.8	758577.58	58.8	758577.58	1905460.72
22:08:00	22:08:00	59.4	77.9	63	58.2	2:25 PM	870963.59	59.4	870963.59	59.4	870963.59	1995262.31
22:09:00	22:09:00	64.5	91.5	74.4	58	2:26 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	27542287.03
22:10:00	22:10:00	58.9	77.7	61.6	57.5	2:27 PM	776247.12	58.9	776247.12	58.9	776247.12	1445439.77
22:11:00	22:11:00	59.9	79.7	66.9	58.1	2:28 PM	977237.22	59.9	977237.22	59.9	977237.22	4897788.19
22:12:00	22:12:00	60.1	79.4	64.7	58.5	2:29 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	2951209.23
22:13:00	22:13:00	58.4	74.5	59.6	57.8	2:30 PM	691830.97	58.4	691830.97	58.4	691830.97	912010.84
22:14:00	22:14:00	60.5	79.6	65.7	57.5	2:31 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	3715352.29
22:15:00	22:15:00	61.1	81.9	65	58.2	2:32 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	3162277.66
22:16:00	22:16:00	61.7	83	69.6	57.5	2:33 PM	1479108.39	61.7				

22:41:00	22:41:00	59.1	77.9	62.7	58.3	2:58 PM	812830.52	59.1	812830.52	59.1	812830.52	1862087.14
22:42:00	22:42:00	58.6	72.6	59.4	57.7	2:59 PM	724435.96	58.6	724435.96	58.6	724435.96	870963.59
22:43:00	22:43:00	60.7	85.3	66.2	57.7	3:00 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	4168693.83
22:44:00	22:44:00	59.1	76.9	61.4	58.4	3:01 PM	812830.52	59.1	812830.52	59.1	812830.52	1380384.26
22:45:00	22:45:00	62.4	84.6	71.5	58.5	3:02 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	14125375.45
22:46:00	22:46:00	62.4	83.7	71.8	58.8	3:03 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	15135612.48
22:47:00	22:47:00	58.7	79	62.8	58	3:04 PM	741310.24	58.7	741310.24	58.7	741310.24	1905460.72
22:48:00	22:48:00	58.8	73.1	59.5	58.1	3:05 PM	758577.58	58.8	758577.58	58.8	758577.58	891250.94
22:49:00	22:49:00	58.8	73.6	59.4	58.2	3:06 PM	758577.58	58.8	758577.58	58.8	758577.58	870963.59
22:50:00	22:50:00	60.3	84.4	67.8	58.2	3:07 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	6025595.86
22:51:00	22:51:00	59.4	75.1	62.2	58.3	3:08 PM	870963.59	59.4	870963.59	59.4	870963.59	1659586.91
22:52:00	22:52:00	58.6	73.6	60.2	57.9	3:09 PM	724435.96	58.6	724435.96	58.6	724435.96	1047128.55
22:53:00	22:53:00	65.1	88.1	75.3	57.9	3:10 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	33884415.61
22:54:00	22:54:00	59	73.1	61	58.2	3:11 PM	794328.23	59	794328.23	59.0	794328.23	1258925.41
22:55:00	22:55:00	61.3	79	66	58	3:12 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	3981071.71
22:56:00	22:56:00	60.5	86.6	68.2	57.7	3:13 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	6606934.48
22:57:00	22:57:00	59.1	80	66	57.5	3:14 PM	812830.52	59.1	812830.52	59.1	812830.52	3981071.71
22:58:00	22:58:00	60.3	78.1	64.5	58	3:15 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	2818382.93
22:59:00	22:59:00	59.1	80.7	63.6	57.3	3:16 PM	812830.52	59.1	812830.52	59.1	812830.52	2290867.65
23:00:00	23:00:00	57.5	74.9	59.6	56.7	3:17 PM	562341.33	57.5	562341.33	57.5	562341.33	912010.84
23:01:00	23:01:00	57.9	77	59.5	56.9	3:18 PM	616595.00	57.9	616595.00	57.9	616595.00	891250.94
23:02:00	23:02:00	58.3	77	60.8	57.2	3:19 PM	676082.98	58.3	676082.98	58.3	676082.98	1202264.43
23:03:00	23:03:00	57.9	77.2	60.6	56.8	3:20 PM	616595.00	57.9	616595.00	57.9	616595.00	1148153.62
23:04:00	23:04:00	58.5	79.6	65.6	56.7	3:21 PM	707945.78	58.5	707945.78	58.5	707945.78	3630780.55
23:05:00	23:05:00	59.3	78.7	64.9	57.2	3:22 PM	851138.04	59.3	851138.04	59.3	851138.04	3090295.43
23:06:00	23:06:00	58.1	73.2	60.6	57.2	3:23 PM	645654.23	58.1	645654.23	58.1	645654.23	1148153.62
23:07:00	23:07:00	57.9	76.6	60.3	57	3:24 PM	616595.00	57.9	616595.00	57.9	616595.00	1071519.31
23:08:00	23:08:00	58.1	75.4	62.1	57	3:25 PM	645654.23	58.1	645654.23	58.1	645654.23	1621810.10
23:09:00	23:09:00	61.9	88.6	69	58.6	3:26 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	7943282.35
23:10:00	23:10:00	59.6	78.3	63.2	57.9	3:27 PM	912010.84	59.6	912010.84	59.6	912010.84	2089296.13
23:11:00	23:11:00	59.4	83.9	65.1	57.3	3:28 PM	870963.59	59.4	870963.59	59.4	870963.59	3235936.57
23:12:00	23:12:00	58.9	76.2	62.1	57.8	3:29 PM	776247.12	58.9	776247.12	58.9	776247.12	1621810.10
23:13:00	23:13:00	59.6	82.3	67	57	3:30 PM	912010.84	59.6	912010.84	59.6	912010.84	5011872.34
23:14:00	23:14:00	61.7	85.3	72.3	56.7	3:31 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	16982436.52
23:15:00	23:15:00	58.8	72.7	59.8	57.9	3:32 PM	758577.58	58.8	758577.58	58.8	758577.58	954992.59
23:16:00	23:16:00	59.8	77.6	64	58.4	3:33 PM	954992.59	59.8	954992.59	59.8	954992.59	2511886.43
23:17:00	23:17:00	58.4	72.7	59.2	57.7	3:34 PM	691830.97	58.4	691830.97	58.4	691830.97	831763.77
23:18:00	23:18:00	58.5	74.7	60.6	57.6	3:35 PM	707945.78	58.5	707945.78	58.5	707945.78	1148153.62
23:19:00	23:19:00	58.7	77.6	63.2	57.4	3:36 PM	741310.24	58.7	741310.24	58.7	741310.24	2089296.13
23:20:00	23:20:00	59.1	78.1	63.9	57.4	3:37 PM	812830.52	59.1	812830.52	59.1	812830.52	2454708.92
23:21:00	23:21:00	58.8	81.1	64.8	57.8	3:38 PM	758577.58	58.8	758577.58	58.8	758577.58	3019951.72
23:22:00	23:22:00	59	79.7	65	57.8	3:39 PM	794328.23	59	794328.23	59.0	794328.23	3162277.66
23:23:00	23:23:00	58.2	71.8	58.9	57.5	3:40 PM	660693.45	58.2	660693.45	58.2	660693.45	776247.12
23:24:00	23:24:00	58.3	72	59	57.5	3:41 PM	676082.98	58.3	676082.98	58.3	676082.98	794328.23
23:25:00	23:25:00	60.6	80.5	66.4	57.5	3:42 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	4365158.32
23:26:00	23:26:00	58.7	77.9	62.4	57.2	3:43 PM	741310.24	58.7	741310.24	58.7	741310.24	1737800.83
23:27:00	23:27:00	60.3	78.6	65.5	57.7	3:44 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	3548133.89
23:28:00	23:28:00	59.1	74.4	60.7	58.1	3:45 PM	812830.52	59.1	812830.52	59.1	812830.52	1174897.55
23:29:00	23:29:00	58.6	77.3	61.8	57.9	3:46 PM	724435.96	58.6	724435.96	58.6	724435.96	1513561.25
23:30:00	23:30:00	58.5	73.2	59.7	57.5	3:47 PM	707945.78	58.5	707945.78	58.5	707945.78	933254.30
23:31:00	23:31:00	59.1	77.6	63.3	57.3	3:48 PM	812830.52	59.1	812830.52	59.1	812830.52	2137962.09
23:32:00	23:32:00	61.4	84.4	66.3	57.9	3:49 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	4265795.19
23:33:00	23:33:00	59	80	63.2	57.3	3:50 PM	794328.23	59	794328.23	59.0	794328.23	2089296.13
23:34:00	23:34:00	58.2	71.5	58.8	57.6	3:51 PM	660693.45	58.2	660693.45	58.2	660693.45	758577.58
23:35:00	23:35:00	58.5	73.6	59.9	57.7	3:52 PM	707945.78	58.5	707945.78	58.5	707945.78	977237.22
23:36:00	23:36:00	60.1	84.5	64.7	58.3	3:53 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	2951209.23
23:37:00	23:37:00	59.9	78.8	63	58.5	3:54 PM	977237.22	59.9	977237.22	59.9	977237.22	1995262.31
23:38:00	23:38:00	58.5	72	59.5	57.7	3:55 PM	707945.78	58.5	707945.78	58.5	707945.78	891250.94
23:39:00	23:39:00	58.9	73.5	59.9	58.2	3:56 PM	776247.12	58.9	776247.12	58.9	776247.12	977237.22
23:40:00	23:40:00	63.3	83.7	71.4	58.3	3:57 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	1380384.26
23:41:00	23:41:00	60.4	80.2	65.3	58.4	3:58 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	3388441.56
23:42:00	23:42:00	61	78.5	65.1	59.6	3:59 PM	1258925.41	61	1258925.41	61.0	1258925.41	3235936.57
23:43:00	23:43:00	60.8	76.2	63.9	59.8	4:00 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	2454708.92
23:44:00	23:44:00	61.2	76.7	63.2	60.3	4:01 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	2089296.13
23:45:00	23:45:00	62.6	84.8	71.3	60	4:02 PM	1819700.86	62.6	1819700.86	62.6	1819700.86	13489628.83
23:46:00	23:46:00	61.6	76.8	62.9	60.8	4:03 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	1949844.60
23:47:00	23:47:00	61.4	76	62.1	60.6	4:04 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	1621810.10
23:48:00	23:48:00	61.4	80.3	64.9	60.4	4:05 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	3090295.43
23:49:00	23:49:00	61.7	76.3	62.7	60.7	4:06 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	1862087.14
23:50:00	23:50:00	62.1	82.9	65.5	60.7	4:07 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	3548133.89
23:51:00	23:51:00	61.8	76	63.8	61	4:08 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	2398832.92
23:52:00	23:52:00	62.3	77.3	63.6	61.1	4:09 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	2290867.65
23:53:00	23:53:00	64.7	88.1	70.1	60.4	4:10 PM	2951209.23	64.7	2951209.23	64.7	2951209.23	10232929.92
23:54:00	23:54:00	60.7	74.9	61.8	59.7	4:11 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	1513561.25
23:55:00	23:55:00	61.8	80.9	65.6	60.5	4:12 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	3630780.55
23:56:00	23:56:00	61.6	80.4	65.6	60.6	4:13 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	3630780.55
23:57:00	23:57:00	61.6	78.8	65.6	60.3	4:14 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	3630780.55
23:58:00	23:58:00	61	76.4	61.9	60.1	4:15 PM	1258925.41	61	1258925.41	61.0	1258925.41	1548816.62
23:59:00	23:59:00	64.5	84.2	69.7	61.1	4:16 PM	2818382.93	64.5	2818382.93	64.5	2818382.93	9332543.01
24:00:00	24:00:00	64.4	84.8	69.2	61.4	4:17 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	8317637.71

## Summary

Serial Number           BIJ090010  
 Start Time               17:25:53 27-Apr-2022  
 Run Length              24:00:00 5529600

UNIT REV                R13B

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	114.1	
Date		17:23:51 27-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	68.7	68.7
Lmax	dB	88.5	88.5
Lmin	dB	64	63.9
Lpk	dB	104.5	104.5
TWA	dB	73.5	73.4
PTWA	dB	59.7	59.6
DOSE	%	22.28	22.08
PDOSE	%	0.93	0.92
SEL	dB	118.1	118
EXP	p2s	255	255

Measurement	Units	Value
LDN	dB	75.4
CNEL	dB	75.1
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	73.2
L08	dB	70.3
L25	dB	68.8
L50	dB	68

**CUP Site #2 - Measurement #2**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	88.5	73.2	72.1	71.6	71.2	70.9	70.7	70.5	70.3	70.2
10	70	69.9	69.8	69.7	69.6	69.5	69.4	69.3	69.2	69.2
20	69.1	69	69	68.9	68.9	68.8	68.8	68.7	68.7	68.6
30	68.6	68.6	68.5	68.5	68.4	68.4	68.4	68.3	68.3	68.3
40	68.2	68.2	68.2	68.1	68.1	68.1	68.1	68	68	68
50	68	67.9	67.9	67.9	67.9	67.8	67.8	67.8	67.8	67.7
60	67.7	67.7	67.7	67.7	67.6	67.6	67.6	67.6	67.5	67.5
70	67.5	67.5	67.4	67.4	67.4	67.4	67.4	67.3	67.3	67.3
80	67.2	67.2	67.2	67.2	67.1	67.1	67.1	67	67	66.9
90	66.9	66.8	66.8	66.7	66.7	66.6	66.5	66.4	66.3	66

Raw Stat Table

dB	Count
64	22
64.1	29
64.2	29
64.3	33
64.4	80
64.5	118
64.6	162
64.7	114
64.8	236
64.9	437
65	824
65.1	819
65.2	1362
65.3	1125
65.4	2089
65.5	2686
65.6	3767
65.7	5680
65.8	7220
65.9	9112
66	11823
66.1	15023
66.2	19463
66.3	24509
66.4	32048
66.5	44552
66.6	53747
66.7	70762
66.8	87007
66.9	105868
67	124453

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
64	0	0	0	0	0	0	0	0	0	0
65	0.01	0.01	0.02	0.02	0.03	0.04	0.06	0.1	0.13	0.16
66	0.21	0.27	0.35	0.44	0.57	0.8	0.97	1.27	1.57	1.91
67	2.25	2.65	3.01	3.3	3.69	4.06	4.22	4.34	4.4	4.42
68	4.26	4.24	4.03	2.39	3.11	2.8	2.57	2.37	2.21	2.06
69	1.9	1.73	1.54	1.38	1.26	1.16	1.09	1.02	0.95	0.88
70	0.81	0.77	0.71	0.66	0.62	0.58	0.54	0.5	0.48	0.45
71	0.43	0.4	0.39	0.23	0.28	0.26	0.23	0.22	0.2	0.18
72	0.17	0.17	0.15	0.13	0.12	0.11	0.09	0.08	0.08	0.07
73	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03
74	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01
75	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
76	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01
77	0.01	0.01	0	0	0.01	0.01	0	0	0.01	0.01
78	0.01	0.01	0.01	0	0	0.01	0	0	0.01	0
79	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0

**CUP Site #2 - Measurement #2**

Summary

81	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0

67.1	147018
67.2	166543
67.3	182809
67.4	204304
67.5	224582
67.6	233421
67.7	240524
67.8	243817
67.9	244650
68	236055
68.1	234723
68.2	223192
68.3	132253
68.4	172241
68.5	155013
68.6	142618
68.7	131437
68.8	122654
68.9	114298
69	105490
69.1	95958
69.2	85176
69.3	76737
69.4	69945
69.5	64455
69.6	60581
69.7	56777
69.8	52728
69.9	49013
70	45336
70.1	42957
70.2	39338
70.3	36864
70.4	34452
70.5	32564
70.6	30062
70.7	27709
70.8	26625
70.9	25096
71	23855
71.1	22224
71.2	21694
71.3	12800

**CUP Site #2 - Measurement #2**  
Data

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		68.1	83.6	70.2	67.1
	0:02:00	0:02:00		68.1	84.5	70.4	66.4
	0:03:00	0:03:00		67.8	86.1	70.1	66.8
	0:04:00	0:04:00		68.3	84.4	71.1	67
	0:05:00	0:05:00		68.2	83.9	70.3	67.5
	0:06:00	0:06:00		67.6	82.8	69.4	66.4
	0:07:00	0:07:00		68.8	83.5	70.5	67.7
	0:08:00	0:08:00		68.2	83.8	70.5	67.3
	0:09:00	0:09:00		68.4	83.8	70.8	67.5
	0:10:00	0:10:00		67.8	83.4	69.1	67.3
	0:11:00	0:11:00		68.5	87	70.7	67.5
	0:12:00	0:12:00		68.5	83.1	70.6	67
	0:13:00	0:13:00		67.9	82.4	69.4	66.6
	0:14:00	0:14:00		67.3	82.9	69.4	65.9
	0:15:00	0:15:00		68	83.1	70.2	66.6
	0:16:00	0:16:00		67.6	82.8	69	66.6
	0:17:00	0:17:00		67.7	82.1	69.9	66.8
	0:18:00	0:18:00		68.4	85.7	71	66.9
	0:19:00	0:19:00		69.5	85.8	71.6	67.6
	0:20:00	0:20:00		68.4	82.7	71.6	67.4
	0:21:00	0:21:00		68.1	83.3	70.1	67.1
	0:22:00	0:22:00		67.4	83.2	68.8	66.4
	0:23:00	0:23:00		68.6	83.5	71.6	67.1
	0:24:00	0:24:00		68	83.1	69.9	67.3
	0:25:00	0:25:00		68.8	84.8	71.4	67.3
	0:26:00	0:26:00		69.1	86.2	74.3	67.4
	0:27:00	0:27:00		68.4	83	70.5	67.7
	0:28:00	0:28:00		68.9	87.4	70.9	67.7
	0:29:00	0:29:00		67.5	83.2	69.6	66.3
	0:30:00	0:30:00		68.3	83.2	71.6	66.3
	0:31:00	0:31:00		68.1	83.8	70.2	66.8
	0:32:00	0:32:00		68.1	83.3	70.2	66.5
	0:33:00	0:33:00		67.7	81.9	68.8	66.9
	0:34:00	0:34:00		68.2	82.4	70.2	66.8
	0:35:00	0:35:00		69.7	84.9	71.5	67.7
	0:36:00	0:36:00		68.2	83.1	69.9	67.3
	0:37:00	0:37:00		68.3	83	70.9	67.1
	0:38:00	0:38:00		68.5	83.2	70.9	67.5
	0:39:00	0:39:00		68.6	83.9	70.4	67.5
	0:40:00	0:40:00		69	84.2	71.5	67.5
	0:41:00	0:41:00		68.3	86.4	71.1	66.9
	0:42:00	0:42:00		67.9	81.7	69.1	67.1
	0:43:00	0:43:00		67.6	85	68.7	66.8
	0:44:00	0:44:00		69.4	84.7	71.7	67
	0:45:00	0:45:00		69.8	90.8	77.6	66.3
	0:46:00	0:46:00		67.4	82.3	69.7	66
	0:47:00	0:47:00		68.8	82.7	69.1	66.9
	0:48:00	0:48:00		67.8	86	70.9	67.2
	0:49:00	0:49:00		67.6	81.7	68.5	66.5
	0:50:00	0:50:00		68.4	86	70.5	66.8
	0:51:00	0:51:00		68.6	84.1	72.6	66.6
	0:52:00	0:52:00		67.3	81.3	68.9	66.2
	0:53:00	0:53:00		67	83.1	69.1	66.1
	0:54:00	0:54:00		68.8	85	71.8	66.9
	0:55:00	0:55:00		67.4	81.8	69.3	66.2
	0:56:00	0:56:00		66.9	80.7	67.9	66.2
	0:57:00	0:57:00		68.1	83.3	71.8	66.9
	0:58:00	0:58:00		69	85.2	71	67.1
	0:59:00	0:59:00		68.2	85.5	70.7	66.3
	1:00:00	1:00:00		68.7	86	71.5	66.6
	1:01:00	1:01:00		68.4	85.2	72.2	66.6
	1:02:00	1:02:00		67.7	82	68.9	67.1
	1:03:00	1:03:00		68.1	84.7	70.3	66.5
	1:04:00	1:04:00		67.8	84.4	70.6	66.4
	1:05:00	1:05:00		67.6	82.1	68.4	66.7
	1:06:00	1:06:00		67.8	83.7	69.9	66.6
	1:07:00	1:07:00		68.2	82.7	70.2	67
	1:08:00	1:08:00		68.4	85.5	71	67.1
	1:09:00	1:09:00		67.4	81.8	69	66.1
	1:10:00	1:10:00		67.3	81.9	68.6	66.2
	1:11:00	1:11:00		69.7	87.5	74.5	66.7
	1:12:00	1:12:00		67.8	82.5	69.8	67
	1:13:00	1:13:00		68.3	84.1	71.4	65.8
	1:14:00	1:14:00		67.2	83.7	69.8	65.2
	1:15:00	1:15:00		67.5	82.7	69.6	66.2
	1:16:00	1:16:00		67.1	85.2	69.1	65.7
	1:17:00	1:17:00		68.6	86.7	71.1	66.4
	1:18:00	1:18:00		67.6	82.7	70.1	66.3
	1:19:00	1:19:00		68	83.5	70.7	66.5
	1:20:00	1:20:00		67.7	82	69.6	66.3
	1:21:00	1:21:00		67	85.1	68.4	66.2
	1:22:00	1:22:00		67.4	82	69.8	65.8
	1:23:00	1:23:00		67.3	84.3	69.1	66.3
	1:24:00	1:24:00		67.8	85.7	72	66.1
	1:25:00	1:25:00		67	81.7	69	65.8
	1:26:00	1:26:00		67.2	83.3	68.6	66.3
	1:27:00	1:27:00		67.3	82.8	70.2	65.7
	1:28:00	1:28:00		67.3	82.9	69.6	66.4
	1:29:00	1:29:00		66.8	82.3	68.3	65.8
	1:30:00	1:30:00		67.7	84	70.1	66.1
	1:31:00	1:31:00		67.7	81.9	69.2	66.7
	1:32:00	1:32:00		67.6	83.8	69.2	66.3
	1:33:00	1:33:00		67.1	81.6	68.1	66.2
	1:34:00	1:34:00		67.9	84.2	69.8	66.1
	1:35:00	1:35:00		67.3	83.2	69.6	66.2
	1:36:00	1:36:00		67.7	82.7	68.9	66.7
	1:37:00	1:37:00		68.1	84.9	70.8	67
	1:38:00	1:38:00		67.6	82.2	70	66.4
	1:39:00	1:39:00		68	84.6	70.4	66.7
	1:40:00	1:40:00		67.3	82.2	68.8	66.2

	Daytime	Nighttime
L <sub>eq</sub>	68.7	68.8
L <sub>max</sub>	72.0	71.8
CNEL	75.4	
L <sub>dn</sub>	75.2	
L <sub>50</sub>	70.3	69.7
L <sub>25</sub>	70.7	70.0
L <sub>10</sub>	75.7	70.7
L <sub>1</sub>	77.8	71.2
L <sub>max</sub>	88.5	75.2

	L <sub>eq</sub>	L <sub>max</sub>
7:30 a.m. - 9:30 p.m.	68.6	88.5
9:30 p.m. - 7:30 a.m.	68.8	77.7

Time	L <sub>eq</sub> 10 <sup>(N/10)</sup>	CNEL	CNEL 10 <sup>(N/10)</sup>	L <sub>dn</sub>	L <sub>50</sub> 10 <sup>(N/10)</sup>	L <sub>max</sub> 10 <sup>(N/10)</sup>
5:25 PM						
5:26 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10471285.48
5:27 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10964781.96
5:28 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	10232929.92
5:29 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	12882495.52
5:30 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	10715193.05
5:31 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	8709635.90
5:32 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	11220184.54
5:33 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	11220184.54
5:34 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	12022644.35
5:35 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	8128305.16
5:36 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	11748975.55
5:37 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	11481536.21
5:38 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	8709635.90
5:39 PM	5370317.96	67.3	5370317.96	67.3	5370317.96	8709635.90
5:40 PM	6309573.44	68	6309573.44	68.0	6309573.44	10471285.48
5:41 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7943282.35
5:42 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	9772372.21
5:43 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	12589254.12
5:44 PM	8912509.38	69.5	8912509.38	69.5	8912509.38	14454397.71
5:45 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	14454397.71
5:46 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10232929.92
5:47 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	7585775.75
5:48 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	14454397.71
5:49 PM	6309573.44	68	6309573.44	68.0	6309573.44	9772372.21
5:50 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	13803842.65
5:51 PM	8128305.16	69.1	8128305.16	69.1	8128305.16	26915348.04
5:52 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	11220184.54
5:53 PM	7762471.17	68.9	7762471.17	68.9	7762471.17	12302687.71
5:54 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	9120108.39
5:55 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	14454397.71
5:56 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10471285.48
5:57 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10471285.48
5:58 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7585775.75
5:59 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	10471285.48
6:00 PM	9332543.01	69.7	9332543.01	69.7	9332543.01	14125375.45
6:01 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	9772372.21
6:02 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	12302687.71
6:03 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	12302687.71
6:04 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	10964781.96
6:05 PM	7943282.35	69	7943282.35	69.0	7943282.35	14125375.45
6:06 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	12882495.52
6:07 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	8128305.16
6:08 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7413102.41
6:09 PM	870963					

Data

1:41:00	1:41:00	67.6	82.2	69.3	66.3	7:06 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	8511380.38
1:42:00	1:42:00	67.7	82.2	70	66.1	7:07 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	10000000.00
1:43:00	1:43:00	67.3	82.5	68.5	66	7:08 PM	5370317.96	72.3	16982436.52	67.3	5370317.96	7079457.84
1:44:00	1:44:00	67	81.1	68.3	66	7:09 PM	5011872.34	72	15848931.92	67.0	5011872.34	6760829.75
1:45:00	1:45:00	67.8	84	69.5	66.8	7:10 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	8912509.38
1:46:00	1:46:00	68.1	82.3	70.2	67.1	7:11 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	10471285.48
1:47:00	1:47:00	68.4	84.6	70.9	67	7:12 PM	6918309.71	73.4	21877616.24	68.4	6918309.71	12302687.71
1:48:00	1:48:00	67.8	83	70.7	66	7:13 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	11748975.55
1:49:00	1:49:00	67.7	83.3	69.8	66.9	7:14 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	9549925.86
1:50:00	1:50:00	67.8	81.7	69	67.1	7:15 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	7943282.35
1:51:00	1:51:00	67.8	84.2	69.1	67	7:16 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	8128305.16
1:52:00	1:52:00	68	83.1	72	66.6	7:17 PM	6309573.44	73	19952623.15	68.0	6309573.44	15848931.92
1:53:00	1:53:00	67.4	82.2	69	66.1	7:18 PM	5495408.74	72.4	17378008.29	67.4	5495408.74	7943282.35
1:54:00	1:54:00	68.1	83.1	70	66.6	7:19 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	10000000.00
1:55:00	1:55:00	67	84.9	69.4	65.8	7:20 PM	5011872.34	72	15848931.92	67.0	5011872.34	8709635.90
1:56:00	1:56:00	67.6	82.1	70.6	66.3	7:21 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	11481536.21
1:57:00	1:57:00	67.7	82.9	69.3	66.5	7:22 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	8511380.38
1:58:00	1:58:00	67.1	81.6	70.6	65.8	7:23 PM	5128613.84	72.1	16218100.97	67.1	5128613.84	11481536.21
1:59:00	1:59:00	67.3	83.3	69.4	65.8	7:24 PM	5370317.96	72.3	16982436.52	67.3	5370317.96	8709635.90
2:00:00	2:00:00	67.4	84	69.8	65.6	7:25 PM	5495408.74	72.4	17378008.29	67.4	5495408.74	9549925.86
2:01:00	2:01:00	67.2	82	69.6	66.1	7:26 PM	5248074.60	72.2	16595869.07	67.2	5248074.60	9120108.39
2:02:00	2:02:00	67.1	84.5	68.7	65.4	7:27 PM	5128613.84	72.1	16218100.97	67.1	5128613.84	7413102.41
2:03:00	2:03:00	67.6	84.8	68.5	66.8	7:28 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	7079457.84
2:04:00	2:04:00	68.1	83.3	71.1	66.5	7:29 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	12882495.52
2:05:00	2:05:00	67.5	83.3	69.8	65.5	7:30 PM	5623413.25	72.5	17782794.10	68.1	5623413.25	9549925.86
2:06:00	2:06:00	67.1	81.3	68.8	65.6	7:31 PM	5128613.84	72.1	16218100.97	67.1	5128613.84	7585775.75
2:07:00	2:07:00	67.2	84.4	68.9	65.8	7:32 PM	5248074.60	72.2	16595869.07	67.2	5248074.60	7762471.17
2:08:00	2:08:00	68.2	83.9	69.8	66.9	7:33 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	9549925.86
2:09:00	2:09:00	68.6	84.2	70.4	67.2	7:34 PM	7244359.60	73.6	22908676.53	68.6	7244359.60	10964781.96
2:10:00	2:10:00	68.2	84.8	70.6	67.3	7:35 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	11481536.21
2:11:00	2:11:00	67.8	82.3	69	66.6	7:36 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	7943282.35
2:12:00	2:12:00	67.6	84	69.6	66.1	7:37 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	9120108.39
2:13:00	2:13:00	67.8	83	70.4	66.5	7:38 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	10964781.96
2:14:00	2:14:00	67.2	81.7	68.5	66.1	7:39 PM	5248074.60	72.2	16595869.07	67.2	5248074.60	7079457.84
2:15:00	2:15:00	67.5	82	68.8	66.5	7:40 PM	5623413.25	72.5	17782794.10	67.5	5623413.25	7585775.75
2:16:00	2:16:00	68.1	85.6	72.2	66.3	7:41 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	16595869.07
2:17:00	2:17:00	67.6	83.6	69.1	66.9	7:42 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	8128305.16
2:18:00	2:18:00	67.8	84.5	69.2	67	7:43 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	8317637.71
2:19:00	2:19:00	68.5	83.8	70.7	66.9	7:44 PM	7079457.84	73.5	22387211.39	68.5	7079457.84	11748975.55
2:20:00	2:20:00	68.2	87	70.2	67	7:45 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	10471285.48
2:21:00	2:21:00	68.5	85.8	72.5	66.8	7:46 PM	7079457.84	73.5	22387211.39	68.5	7079457.84	17782794.10
2:22:00	2:22:00	67.6	85.1	69.2	66.7	7:47 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	8317637.71
2:23:00	2:23:00	68	83.7	69.8	66.9	7:48 PM	6309573.44	73	19952623.15	68.0	6309573.44	9549925.86
2:24:00	2:24:00	67.6	82.5	69.4	66.7	7:49 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	8709635.90
2:25:00	2:25:00	67.7	83.7	70.8	66.6	7:50 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	12022644.35
2:26:00	2:26:00	67.5	84.6	69.9	66.4	7:51 PM	5623413.25	72.5	17782794.10	67.5	5623413.25	9772372.21
2:27:00	2:27:00	68.4	82.8	71.5	66.3	7:52 PM	6918309.71	73.4	21877616.24	68.4	6918309.71	14125375.45
2:28:00	2:28:00	67.5	82.9	69.4	66.4	7:53 PM	5623413.25	72.5	17782794.10	67.5	5623413.25	8709635.90
2:29:00	2:29:00	67.4	82.9	70.3	66.3	7:54 PM	5495408.74	72.4	17378008.29	67.4	5495408.74	10715193.05
2:30:00	2:30:00	67.6	83.7	70.2	66	7:55 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	10471285.48
2:31:00	2:31:00	68.1	82.3	69.9	66.7	7:56 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	9772372.21
2:32:00	2:32:00	68	85.2	70.4	66.5	7:57 PM	6309573.44	73	19952623.15	68.0	6309573.44	10964781.96
2:33:00	2:33:00	67.6	83.7	70.1	66.7	7:58 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	10232929.92
2:34:00	2:34:00	67.3	81.8	68.7	66.6	7:59 PM	5370317.96	72.3	16982436.52	67.3	5370317.96	7413102.41
2:35:00	2:35:00	67.4	82.4	69.5	66.5	8:00 PM	5495408.74	72.4	17378008.29	67.4	5495408.74	8912509.38
2:36:00	2:36:00	68.3	84.2	70	67.4	8:01 PM	6760829.75	73.3	21379620.90	68.3	6760829.75	10000000.00
2:37:00	2:37:00	68.6	85	72	66.7	8:02 PM	7244359.60	73.6	22908676.53	68.6	7244359.60	15848931.92
2:38:00	2:38:00	68.2	82.4	69.9	66.6	8:03 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	9772372.21
2:39:00	2:39:00	68.4	86.8	70.4	66.8	8:04 PM	6918309.71	73.4	21877616.24	68.4	6918309.71	10964781.96
2:40:00	2:40:00	67.5	83	70	66.3	8:05 PM	5623413.25	72.5	17782794.10	67.5	5623413.25	10000000.00
2:41:00	2:41:00	67.7	82.2	68.9	67	8:06 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	7762471.17
2:42:00	2:42:00	67.4	84.5	68.7	66.4	8:07 PM	5495408.74	72.4	17378008.29	67.4	5495408.74	7413102.41
2:43:00	2:43:00	67.5	83.2	69.8	66.6	8:08 PM	5623413.25	72.5	17782794.10	67.5	5623413.25	9549925.86
2:44:00	2:44:00	69.3	88.4	75.1	67	8:09 PM	8511380.38	74.3	26915348.04	69.3	8511380.38	32359365.69
2:45:00	2:45:00	69	90	75.4	66.4	8:10 PM	7943282.35	74	25118864.32	69.0	7943282.35	34673685.05
2:46:00	2:46:00	67.8	83.2	69.4	66.4	8:11 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	8709635.90
2:47:00	2:47:00	68.7	87.1	72.4	66.7	8:12 PM	7413102.41	73.7	23442288.15	68.7	7413102.41	17378008.29
2:48:00	2:48:00	67.2	83.5	68.9	66.2	8:13 PM	5248074.60	72.2	16595869.07	67.2	5248074.60	7762471.17
2:49:00	2:49:00	68.1	83.1	70.7	66.4	8:14 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	11748975.55
2:50:00	2:50:00	67.9	81.9	70.3	66.8	8:15 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	10715193.05
2:51:00	2:51:00	68.1	84.9	71.5	66.5	8:16 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	14125375.45
2:52:00	2:52:00	67.9	82.7	69.7	66.8	8:17 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	9332543.01
2:53:00	2:53:00	67.6	84.2	69	66.5	8:18 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	7943282.35
2:54:00	2:54:00	67.9	84.6	69.4	67	8:19 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	8709635.90
2:55:00	2:55:00	68.4	82.6	70.3	67.1	8:20 PM	6918309.71	73.4	21877616.24	68.4	6918309.71	10715193.05
2:56:00	2:56:00	68	86.2	69.8	67.1	8:21 PM	6309573.44	73	19952623.15	68.0	6309573.44	9549925.86
2:57:00	2:57:00	69.1	86	72.9	67	8:22 PM	8128305.16	74.1	25703957.83	69.1	8128305.16	19498446.00
2:58:00	2:58:00	68.5	83.2	71.3	67.2	8:23 PM	7079457.84	73.5	22387211.39	68.5	7079457.84	13489628.83
2:59:00	2:59:00	67.7	83.9	70.2	66.5	8:24 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	10471285.48
3:00:00	3:00:00	67.8	84	70.4	66.7	8:25 PM	6025595.86	72.8	1			

3:26:00	3:26:00	67.7	82.7	70.6	66.7	8:51 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	11481536.21
3:27:00	3:27:00	67.2	85.6	68.7	66.2	8:52 PM	5248074.60	72.2	16595869.07	67.2	5248074.60	7413102.41
3:28:00	3:28:00	67.1	82	68.8	66.2	8:53 PM	5128613.84	72.1	16218100.97	67.1	5128613.84	7585775.75
3:29:00	3:29:00	68.1	83.2	70.8	66.9	8:54 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	12022644.35
3:30:00	3:30:00	67.7	85.8	70.3	66.5	8:55 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	10715193.05
3:31:00	3:31:00	67.7	82.1	70.1	66.3	8:56 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	10232929.92
3:32:00	3:32:00	67.4	83.8	69.3	66.2	8:57 PM	5495408.74	72.4	17378008.29	67.4	5495408.74	8511380.38
3:33:00	3:33:00	67.7	85.3	69.8	66.7	8:58 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	9549925.86
3:34:00	3:34:00	68.1	83.5	71.5	66.2	8:59 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	14125375.45
3:35:00	3:35:00	68.3	83.8	71.8	66.2	9:00 PM	6760829.75	73.3	21379620.90	68.3	6760829.75	15135612.48
3:36:00	3:36:00	67.9	82.8	71	66.9	9:01 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	12589254.12
3:37:00	3:37:00	68	85	70.5	66.8	9:02 PM	6309573.44	73	19952623.15	68.0	6309573.44	11220184.54
3:38:00	3:38:00	68.3	83.1	71.3	66.9	9:03 PM	6760829.75	73.3	21379620.90	68.3	6760829.75	13489628.83
3:39:00	3:39:00	68	82.8	70.6	67.2	9:04 PM	6309573.44	73	19952623.15	68.0	6309573.44	11481536.21
3:40:00	3:40:00	67.6	85.4	69.1	66.8	9:05 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	8128305.16
3:41:00	3:41:00	68.5	83.7	71.1	66.8	9:06 PM	7079457.84	73.5	22387211.39	68.5	7079457.84	12882495.52
3:42:00	3:42:00	67.7	84	70	66.5	9:07 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	10000000.00
3:43:00	3:43:00	68.1	84.3	70.5	66.6	9:08 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	11220184.54
3:44:00	3:44:00	68.1	86.3	71.1	66.3	9:09 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	12882495.52
3:45:00	3:45:00	67.4	82.8	69.8	66.2	9:10 PM	5495408.74	72.4	17378008.29	67.4	5495408.74	9549925.86
3:46:00	3:46:00	68.3	85.6	71	66.6	9:11 PM	6760829.75	73.3	21379620.90	68.3	6760829.75	12589254.12
3:47:00	3:47:00	67.7	85.9	70.7	66.6	9:12 PM	5888436.55	72.7	18620871.37	67.7	5888436.55	11748975.55
3:48:00	3:48:00	68.6	83.4	71.9	66.5	9:13 PM	7244359.60	73.6	22908676.53	68.6	7244359.60	15488166.19
3:49:00	3:49:00	67.8	83	69.9	66.7	9:14 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	9772372.21
3:50:00	3:50:00	68.2	83.9	70.5	66.8	9:15 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	11220184.54
3:51:00	3:51:00	67.3	82.6	70	66	9:16 PM	5370317.96	72.3	16982436.52	67.3	5370317.96	10000000.00
3:52:00	3:52:00	67.9	83.1	70.5	66.4	9:17 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	11220184.54
3:53:00	3:53:00	67.6	81.7	69.8	66.5	9:18 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	9549925.86
3:54:00	3:54:00	68	86.1	69.7	66.7	9:19 PM	6309573.44	73	19952623.15	68.0	6309573.44	9332543.01
3:55:00	3:55:00	67.9	83	69.5	66.7	9:20 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	8912509.38
3:56:00	3:56:00	67.8	83.8	69.7	66.6	9:21 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	9332543.01
3:57:00	3:57:00	67.8	84.7	70.1	66.5	9:22 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	10232929.92
3:58:00	3:58:00	67.9	83.5	71.3	66.9	9:23 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	13489628.83
3:59:00	3:59:00	68.1	85.2	70.6	67.1	9:24 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	11481536.21
4:00:00	4:00:00	67.9	83.1	70.6	66.4	9:25 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	11481536.21
4:01:00	4:01:00	68.2	84	72.3	66.1	9:26 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	16982436.52
4:02:00	4:02:00	67.2	82.5	68	66.1	9:27 PM	5248074.60	72.2	16595869.07	67.2	5248074.60	6309573.44
4:03:00	4:03:00	68	82.1	70.4	66.7	9:28 PM	6309573.44	73	19952623.15	68.0	6309573.44	10964781.96
4:04:00	4:04:00	68.3	84.8	71.4	67.3	9:29 PM	6760829.75	73.3	21379620.90	68.3	6760829.75	13803842.65
4:05:00	4:05:00	68.1	85	70.9	66.7	9:30 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	12302687.71
4:06:00	4:06:00	68.4	83.5	70.9	66.8	9:31 PM	6918309.71	73.4	21877616.24	68.4	6918309.71	12302687.71
4:07:00	4:07:00	67.4	85.2	68.7	66.6	9:32 PM	5495408.74	72.4	17378008.29	67.4	5495408.74	7413102.41
4:08:00	4:08:00	68.8	86.4	71.5	67	9:33 PM	7585775.75	73.8	23988329.19	68.8	7585775.75	14125375.45
4:09:00	4:09:00	67.8	82.8	69.8	66.3	9:34 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	9549925.86
4:10:00	4:10:00	68.3	84.5	69.9	67.2	9:35 PM	6760829.75	73.3	21379620.90	68.3	6760829.75	9772372.21
4:11:00	4:11:00	68.1	83	70.9	66.7	9:36 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	12302687.71
4:12:00	4:12:00	68.8	83.4	71.1	67	9:37 PM	7585775.75	73.8	23988329.19	68.8	7585775.75	12882495.52
4:13:00	4:13:00	68.8	83.8	72.2	67.3	9:38 PM	7585775.75	73.8	23988329.19	68.8	7585775.75	16595869.07
4:14:00	4:14:00	68.6	84.5	70.4	67.3	9:39 PM	7244359.60	73.6	22908676.53	68.6	7244359.60	10964781.96
4:15:00	4:15:00	68.5	83	70.3	67	9:40 PM	7079457.84	73.5	22387211.39	68.5	7079457.84	10715193.05
4:16:00	4:16:00	68.6	85.2	70.8	66.8	9:41 PM	7244359.60	73.6	22908676.53	68.6	7244359.60	12022644.35
4:17:00	4:17:00	68.7	83	71.2	67.2	9:42 PM	7413102.41	73.7	23442288.15	68.7	7413102.41	13182567.39
4:18:00	4:18:00	68.3	82.3	70.5	67.3	9:43 PM	6760829.75	73.3	21379620.90	68.3	6760829.75	11220184.54
4:19:00	4:19:00	68.2	83	70.5	67.1	9:44 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	11220184.54
4:20:00	4:20:00	68	84.8	69.9	67.2	9:45 PM	6309573.44	73	19952623.15	68.0	6309573.44	9772372.21
4:21:00	4:21:00	68.6	84.1	72	67.2	9:46 PM	7244359.60	73.6	22908676.53	68.6	7244359.60	15848931.92
4:22:00	4:22:00	68.9	83.7	72.5	67.4	9:47 PM	7762471.17	73.9	24547089.16	68.9	7762471.17	17782794.10
4:23:00	4:23:00	68.9	83.8	72.6	67.4	9:48 PM	7762471.17	73.9	24547089.16	68.9	7762471.17	18197008.59
4:24:00	4:24:00	68.5	86.2	72.1	67.4	9:49 PM	7079457.84	73.5	22387211.39	68.5	7079457.84	16218100.97
4:25:00	4:25:00	68.2	83.5	71.6	66.9	9:50 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	14454397.71
4:26:00	4:26:00	68.7	83.6	71.6	67.1	9:51 PM	7413102.41	73.7	23442288.15	68.7	7413102.41	14454397.71
4:27:00	4:27:00	68.3	83.2	72.4	67.4	9:52 PM	6760829.75	73.3	21379620.90	68.3	6760829.75	17378008.29
4:28:00	4:28:00	67.8	86.7	69.6	67.1	9:53 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	9120108.39
4:29:00	4:29:00	68.5	83.8	71.6	67.3	9:54 PM	7079457.84	73.5	22387211.39	68.5	7079457.84	14454397.71
4:30:00	4:30:00	68.4	83.2	71.2	66.6	9:55 PM	6918309.71	73.4	21877616.24	68.4	6918309.71	13182567.39
4:31:00	4:31:00	67.8	84.3	70.1	66.9	9:56 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	10232929.92
4:32:00	4:32:00	68.2	83.8	70.3	66.6	9:57 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	10715193.05
4:33:00	4:33:00	67.6	86.2	70	66.6	9:58 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	10000000.00
4:34:00	4:34:00	68.2	83.2	70.4	66.9	9:59 PM	6606934.48	73.2	20892961.31	68.2	6606934.48	10964781.96
4:35:00	4:35:00	67.9	85.4	71	66.8	10:00 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	12589254.12
4:36:00	4:36:00	68.8	84.3	71.9	67	10:01 PM	7585775.75	73.8	23988329.19	68.8	7585775.75	15488166.19
4:37:00	4:37:00	68.4	83.2	70.4	67.3	10:02 PM	6918309.71	73.4	21877616.24	68.4	6918309.71	10964781.96
4:38:00	4:38:00	67.9	86.4	70.5	66.6	10:03 PM	6165950.02	72.9	19498446.00	67.9	6165950.02	11220184.54
4:39:00	4:39:00	68.1	82.7	71.2	66.7	10:04 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	13182567.39
4:40:00	4:40:00	67.6	85.4	70.9	66.6	10:05 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	12302687.71
4:41:00	4:41:00	67.6	84.2	70	66.4	10:06 PM	5754399.37	72.6	18197008.59	67.6	5754399.37	10000000.00
4:42:00	4:42:00	68.1	83.9	70.8	66.8	10:07 PM	6456542.29	73.1	20417379.45	68.1	6456542.29	12022644.35
4:43:00	4:43:00	68.7	84.3	71.9	66.4	10:08 PM	7413102.41	73.7	23442288.15	68.7	7413102.41	15488166.19
4:44:00	4:44:00	67.8	86	69.9	66.8	10:09 PM	6025595.86	72.8	19054607.18	67.8	6025595.86	9772372.21
4:45:00	4:45:00	68.1	83.6	70.9	66.9							

Data

5:11:00	5:11:00	67.6	85.1	71.7	66.3	10:36 PM	5754399.37	77.6	57543993.73	77.6	57543993.73	14791083.88
5:12:00	5:12:00	67.1	84.6	70	65.7	10:37 PM	5128613.84	77.1	51286138.40	77.1	51286138.40	10000000.00
5:13:00	5:13:00	67.9	84.1	70.9	66.3	10:38 PM	6165950.02	77.9	61659500.19	77.9	61659500.19	12302687.71
5:14:00	5:14:00	67.8	82.5	70.3	66.7	10:39 PM	6025595.86	77.8	60255958.61	77.8	60255958.61	10715193.05
5:15:00	5:15:00	67.7	86.6	69.5	66.7	10:40 PM	5888436.55	77.7	58884365.54	77.7	58884365.54	8912509.38
5:16:00	5:16:00	67.3	83.9	68.8	66.3	10:41 PM	5370317.96	77.3	53703179.64	77.3	53703179.64	7585775.75
5:17:00	5:17:00	68.3	83.8	71.9	66.6	10:42 PM	6760829.75	78.3	67608297.54	78.3	67608297.54	15488166.19
5:18:00	5:18:00	67.5	83.7	70.6	66.5	10:43 PM	5623413.25	77.5	56234132.52	77.5	56234132.52	11481536.21
5:19:00	5:19:00	68	85.4	69.7	66.4	10:44 PM	6309573.44	78	63095734.45	78.0	63095734.45	9332543.01
5:20:00	5:20:00	67.2	82.3	68.8	66.6	10:45 PM	5248074.60	77.2	52480746.02	77.2	52480746.02	7585775.75
5:21:00	5:21:00	69	86.4	71.4	66.9	10:46 PM	7943282.35	79	79432823.47	79.0	79432823.47	13803842.65
5:22:00	5:22:00	67.3	88.8	69.7	66.4	10:47 PM	5370317.96	77.3	53703179.64	77.3	53703179.64	9332543.01
5:23:00	5:23:00	68.3	82.6	70.6	66.5	10:48 PM	6760829.75	78.3	67608297.54	78.3	67608297.54	11481536.21
5:24:00	5:24:00	68.3	83.2	71.1	66.9	10:49 PM	6760829.75	78.3	67608297.54	78.3	67608297.54	12882495.52
5:25:00	5:25:00	68.7	83.8	72.1	67	10:50 PM	7413102.41	78.7	74131024.13	78.7	74131024.13	16218100.97
5:26:00	5:26:00	68.2	82.8	71.2	67.1	10:51 PM	6606934.48	78.2	66069344.80	78.2	66069344.80	13182567.39
5:27:00	5:27:00	68.7	87.5	71.4	67.2	10:52 PM	7413102.41	78.7	74131024.13	78.7	74131024.13	13803842.65
5:28:00	5:28:00	68.7	84.8	72.5	66.7	10:53 PM	7413102.41	78.7	74131024.13	78.7	74131024.13	17782794.10
5:29:00	5:29:00	68.1	83	70.5	66.4	10:54 PM	6456542.29	78.1	64565422.90	78.1	64565422.90	11220184.54
5:30:00	5:30:00	68.5	85.2	71.4	67	10:55 PM	7079457.84	78.5	70794578.44	78.5	70794578.44	13803842.65
5:31:00	5:31:00	68.1	83.2	70.9	66.2	10:56 PM	6456542.29	78.1	64565422.90	78.1	64565422.90	12302687.71
5:32:00	5:32:00	67.6	83.6	71.3	66	10:57 PM	5754399.37	77.6	57543993.73	77.6	57543993.73	13489628.83
5:33:00	5:33:00	68.2	86.9	70.6	66.9	10:58 PM	6606934.48	78.2	66069344.80	78.2	66069344.80	11481536.21
5:34:00	5:34:00	68.4	86.2	70.6	66.9	10:59 PM	6918309.71	78.4	69183097.09	78.4	69183097.09	11481536.21
5:35:00	5:35:00	69	84.6	72.9	66.8	11:00 PM	7943282.35	79	79432823.47	79.0	79432823.47	19498446.00
5:36:00	5:36:00	68	83.1	71	66.5	11:01 PM	6309573.44	78	63095734.45	78.0	63095734.45	12589254.12
5:37:00	5:37:00	68.7	83.7	71.6	67	11:02 PM	7413102.41	78.7	74131024.13	78.7	74131024.13	14454397.71
5:38:00	5:38:00	68.8	85.2	72	67.1	11:03 PM	7585775.75	78.8	75857757.50	78.8	75857757.50	15848931.92
5:39:00	5:39:00	68.4	84	72.1	66.6	11:04 PM	6918309.71	78.4	69183097.09	78.4	69183097.09	16218100.97
5:40:00	5:40:00	68.9	85.1	72.1	67.2	11:05 PM	7762471.17	78.9	77624711.66	78.9	77624711.66	16218100.97
5:41:00	5:41:00	68.7	83.1	72.2	67	11:06 PM	7413102.41	78.7	74131024.13	78.7	74131024.13	16595869.07
5:42:00	5:42:00	68	85.1	71.6	66.7	11:07 PM	6309573.44	78	63095734.45	78.0	63095734.45	14454397.71
5:43:00	5:43:00	68.1	85.1	70.8	66.7	11:08 PM	6456542.29	78.1	64565422.90	78.1	64565422.90	12022644.35
5:44:00	5:44:00	68.3	85.3	71.1	66.3	11:09 PM	6760829.75	78.3	67608297.54	78.3	67608297.54	12882495.52
5:45:00	5:45:00	68.4	83.4	71.8	66.6	11:10 PM	6918309.71	78.4	69183097.09	78.4	69183097.09	15135612.48
5:46:00	5:46:00	67.8	85.6	70.6	66.2	11:11 PM	6025595.86	77.8	60255958.61	77.8	60255958.61	11481536.21
5:47:00	5:47:00	68.4	83.3	71.3	66.9	11:12 PM	6918309.71	78.4	69183097.09	78.4	69183097.09	13489628.83
5:48:00	5:48:00	67.9	84.1	71.2	66.5	11:13 PM	6165950.02	77.9	61659500.19	77.9	61659500.19	13182567.39
5:49:00	5:49:00	68.2	82.7	71.1	66.5	11:14 PM	6606934.48	78.2	66069344.80	78.2	66069344.80	12882495.52
5:50:00	5:50:00	68.9	84	71.7	66.8	11:15 PM	7762471.17	78.9	77624711.66	78.9	77624711.66	14791083.88
5:51:00	5:51:00	68.5	84.5	71	66.2	11:16 PM	7079457.84	78.5	70794578.44	78.5	70794578.44	12589254.12
5:52:00	5:52:00	67.4	82.3	69.6	66	11:17 PM	5495408.74	77.4	54954087.39	77.4	54954087.39	9120108.39
5:53:00	5:53:00	68.1	83.5	72.5	66	11:18 PM	6456542.29	78.1	64565422.90	78.1	64565422.90	17782794.10
5:54:00	5:54:00	68.3	84.8	71.8	65.9	11:19 PM	6760829.75	78.3	67608297.54	78.3	67608297.54	15135612.48
5:55:00	5:55:00	67.6	82.7	70.4	66.2	11:20 PM	5754399.37	77.6	57543993.73	77.6	57543993.73	10964781.96
5:56:00	5:56:00	67.8	84.5	72.4	66.2	11:21 PM	6025595.86	77.8	60255958.61	77.8	60255958.61	17378008.29
5:57:00	5:57:00	68.4	83.9	72.5	66.9	11:22 PM	6918309.71	78.4	69183097.09	78.4	69183097.09	17782794.10
5:58:00	5:58:00	68.3	83.3	71.6	66.8	11:23 PM	6760829.75	78.3	67608297.54	78.3	67608297.54	14454397.71
5:59:00	5:59:00	67.7	86.6	71.7	65.9	11:24 PM	5888436.55	77.7	58884365.54	77.7	58884365.54	14791083.88
6:00:00	6:00:00	68.3	85.3	71.4	66.4	11:25 PM	6760829.75	78.3	67608297.54	78.3	67608297.54	13803842.65
6:01:00	6:01:00	67.7	85.3	70.1	66.8	11:26 PM	5888436.55	77.7	58884365.54	77.7	58884365.54	10232929.92
6:02:00	6:02:00	68.2	83.3	71.4	66.4	11:27 PM	6606934.48	78.2	66069344.80	78.2	66069344.80	13803842.65
6:03:00	6:03:00	68.1	83.8	72	66.4	11:28 PM	6456542.29	78.1	64565422.90	78.1	64565422.90	15848931.92
6:04:00	6:04:00	67.9	83.1	70.3	66.5	11:29 PM	6165950.02	77.9	61659500.19	77.9	61659500.19	10715193.05
6:05:00	6:05:00	67.6	84.7	71	66.8	11:30 PM	5754399.37	77.6	57543993.73	77.6	57543993.73	12589254.12
6:06:00	6:06:00	68.1	82.7	70.8	66.3	11:31 PM	6456542.29	78.1	64565422.90	78.1	64565422.90	12022644.35
6:07:00	6:07:00	67.8	82.9	71.7	66.6	11:32 PM	6025595.86	77.8	60255958.61	77.8	60255958.61	14791083.88
6:08:00	6:08:00	68.2	84.9	71.1	66.5	11:33 PM	6606934.48	78.2	66069344.80	78.2	66069344.80	12882495.52
6:09:00	6:09:00	67.7	82.2	69.4	66.8	11:34 PM	5888436.55	77.7	58884365.54	77.7	58884365.54	8709635.90
6:10:00	6:10:00	68.7	84.2	71.2	66.6	11:35 PM	6606934.48	78.2	66069344.80	78.2	66069344.80	13182567.39
6:11:00	6:11:00	68.9	83.6	71.7	66.8	11:36 PM	7762471.17	78.9	77624711.66	78.9	77624711.66	14791083.88
6:12:00	6:12:00	68.6	83.1	71.4	66.8	11:37 PM	7244359.60	78.6	72443596.01	78.6	72443596.01	13803842.65
6:13:00	6:13:00	68.8	84.9	71.7	67	11:38 PM	7585775.75	78.8	75857757.50	78.8	75857757.50	14791083.88
6:14:00	6:14:00	68.2	83	71.7	66.9	11:39 PM	6606934.48	78.2	66069344.80	78.2	66069344.80	14791083.88
6:15:00	6:15:00	68.7	92.1	71.6	67	11:40 PM	7413102.41	78.7	74131024.13	78.7	74131024.13	14454397.71
6:16:00	6:16:00	68.5	83.5	71.8	67.1	11:41 PM	7079457.84	78.5	70794578.44	78.5	70794578.44	15135612.48
6:17:00	6:17:00	68.2	83.6	70.7	66.9	11:42 PM	6606934.48	78.2	66069344.80	78.2	66069344.80	11748975.55
6:18:00	6:18:00	67.8	83.6	70.5	66.7	11:43 PM	6025595.86	77.8	60255958.61	77.8	60255958.61	11220184.54
6:19:00	6:19:00	67.6	84.9	70.2	66.5	11:44 PM	5754399.37	77.6	57543993.73	77.6	57543993.73	10471285.48
6:20:00	6:20:00	68	82.1	70	66.6	11:45 PM	6309573.44	78	63095734.45	78.0	63095734.45	10000000.00
6:21:00	6:21:00	67.6	85.4	69.4	66.7	11:46 PM	5754399.37	77.6	57543993.73	77.6	57543993.73	8709635.90
6:22:00	6:22:00	68.6	86.3	70.6	67.2	11:47 PM	7244359.60	78.6	72443596.01	78.6	72443596.01	11481536.21
6:23:00	6:23:00	68.7	83.1	70.8	67.5	11:48 PM	7413102.41	78.7	74131024.13	78.7	74131024.13	12022644.35
6:24:00	6:24:00	68	85.5	70.7	66.4	11:49 PM	6309573.44	78	63095734.45	78.0	63095734.45	11748975.55
6:25:00	6:25:00	68.9	83.5	71.5	67.1	11:50 PM	7762471.17	78.9	77624711.66	78.9	77624711.66	14125375.45
6:26:00	6:26:00	68.8	83.6	71.4	67.4	11:51 PM	7585775.75	78.8	75857757.50	78.8	75857757.50	13803842.65
6:27:00	6:27:00	68.5	84.3	71	67.1	11:52 PM	7079457.84	78.5	70794578.44	78.5	70794578.44	12589254.12
6:28:00	6:28:00	68.1	83.9	70.8	66.5	11:53 PM	6456542.29	78.1	64565422.90	78.1	64565422.90	12022644.35
6:29:00	6:29:00	67.9										

Data

6:56:00	6:56:00	68.8	85.2	71.6	67.7	12:21 AM	7585775.75	78.8	7585775.75	78.8	7585775.75	14454397.71
6:57:00	6:57:00	69.6	85.3	72.7	67.8	12:22 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	18620871.37
6:58:00	6:58:00	69	84	72.8	67.7	12:23 AM	7943282.35	79	79432823.47	79.0	79432823.47	19054607.18
6:59:00	6:59:00	69.2	84.8	72.1	67.7	12:24 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	16218100.97
7:00:00	7:00:00	69.6	85.7	73.3	67.7	12:25 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	21379620.90
7:01:00	7:01:00	69.3	84.4	73.2	67.8	12:26 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	20892961.31
7:02:00	7:02:00	69.6	84	72.9	68.2	12:27 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	19498446.00
7:03:00	7:03:00	69.4	84.4	73.1	67.3	12:28 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	20417379.45
7:04:00	7:04:00	69.6	84.5	73.1	67.5	12:29 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	20417379.45
7:05:00	7:05:00	68.4	84.6	71.3	66.4	12:30 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	13489628.83
7:06:00	7:06:00	69.2	84.2	72.8	67.6	12:31 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	19054607.18
7:07:00	7:07:00	67.5	82.2	69	66.4	12:32 AM	5623413.25	77.5	56234132.52	77.5	56234132.52	7943282.35
7:08:00	7:08:00	69.2	84	72.8	67.6	12:33 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	19054607.18
7:09:00	7:09:00	69.2	84.4	72.8	67.4	12:34 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	19054607.18
7:10:00	7:10:00	69.2	84.3	72.2	67.4	12:35 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	16595869.07
7:11:00	7:11:00	68.7	85.9	72.1	67.1	12:36 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	16218100.97
7:12:00	7:12:00	68.3	84.5	71.5	67.2	12:37 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	14125375.45
7:13:00	7:13:00	69.2	84.3	71.7	67.6	12:38 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	14791083.88
7:14:00	7:14:00	68.4	84.4	72.9	67.6	12:39 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	19498446.00
7:15:00	7:15:00	69.8	84.8	73.7	67.8	12:40 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	23442288.15
7:16:00	7:16:00	69.8	84.7	73.4	68	12:41 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	21877616.24
7:17:00	7:17:00	68.8	84.7	72.4	67.2	12:42 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	17378008.29
7:18:00	7:18:00	68.7	84.6	71.3	67.2	12:43 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	13489628.83
7:19:00	7:19:00	69.8	84.4	72.7	67.4	12:44 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	18620871.37
7:20:00	7:20:00	68.9	86	71.3	67.4	12:45 AM	7762471.16	78.9	77624711.66	78.9	77624711.66	13489628.83
7:21:00	7:21:00	68.4	83.3	71.1	67.2	12:46 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	12882495.52
7:22:00	7:22:00	69.4	83.8	72.1	67.8	12:47 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	16218100.97
7:23:00	7:23:00	69.6	84.5	73.7	67.8	12:48 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	23442288.15
7:24:00	7:24:00	69.1	83.5	73	67.6	12:49 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	19952623.15
7:25:00	7:25:00	68.9	84.2	72.6	67.7	12:50 AM	7762471.16	78.9	77624711.66	78.9	77624711.66	18197008.59
7:26:00	7:26:00	69	85	72.7	67.7	12:51 AM	7943282.35	79	79432823.47	79.0	79432823.47	18620871.37
7:27:00	7:27:00	69.7	85.2	73.6	67.8	12:52 AM	9332543.01	79.7	93325430.08	79.7	93325430.08	22908676.53
7:28:00	7:28:00	69	86.2	74.2	67.4	12:53 AM	7943282.35	79	79432823.47	79.0	79432823.47	26302679.92
7:29:00	7:29:00	69.3	84.8	73.4	67.6	12:54 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	21877616.24
7:30:00	7:30:00	68.8	84.8	72	67.5	12:55 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	15848931.92
7:31:00	7:31:00	68.4	85.5	71.2	67.4	12:56 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	13182567.39
7:32:00	7:32:00	68.6	83	71.2	67.6	12:57 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	13182567.39
7:33:00	7:33:00	67.9	84	70.2	66.8	12:58 AM	6165950.02	77.9	61659500.19	77.9	61659500.19	10471285.48
7:34:00	7:34:00	68	83.4	70.9	67.2	12:59 AM	6309573.44	78	63095734.45	78.0	63095734.45	12302687.71
7:35:00	7:35:00	68.8	86.3	72.4	67.3	1:00 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	17378008.29
7:36:00	7:36:00	68.5	82.6	70.8	67.3	1:01 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	12022644.35
7:37:00	7:37:00	68.5	85.7	71.2	66.9	1:02 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	13182567.39
7:38:00	7:38:00	69.4	86	73.8	67.4	1:03 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	23988329.19
7:39:00	7:39:00	68.3	82.9	71.8	67.4	1:04 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	15135612.48
7:40:00	7:40:00	68.8	85.6	72	67.7	1:05 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	15848931.92
7:41:00	7:41:00	69.6	84.1	72.6	67.7	1:06 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	18197008.59
7:42:00	7:42:00	68.9	83.5	72.5	67.4	1:07 AM	7762471.16	78.9	77624711.66	78.9	77624711.66	17782794.10
7:43:00	7:43:00	68.6	86.6	71.5	67.4	1:08 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	14125375.45
7:44:00	7:44:00	68.8	85.1	72.4	67.3	1:09 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	17378008.29
7:45:00	7:45:00	69.4	84.1	72	67.4	1:10 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	15848931.92
7:46:00	7:46:00	69.4	84.4	73.3	67.1	1:11 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	21379620.90
7:47:00	7:47:00	68.6	83.2	72.2	67.1	1:12 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	16595869.07
7:48:00	7:48:00	68.8	84.5	72.2	67.6	1:13 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	16595869.07
7:49:00	7:49:00	68.9	83.9	72.5	67.5	1:14 AM	7762471.16	78.9	77624711.66	78.9	77624711.66	17782794.10
7:50:00	7:50:00	68.8	83.8	71.9	67.1	1:15 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	15488166.19
7:51:00	7:51:00	69.8	84.5	73.6	67.5	1:16 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	22908676.53
7:52:00	7:52:00	69.2	85.9	71.8	67.6	1:17 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	15135612.48
7:53:00	7:53:00	68.5	83.1	71.2	67.1	1:18 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	13182567.39
7:54:00	7:54:00	68.2	84.9	70.6	67.3	1:19 AM	6606934.80	78.2	66069344.80	78.2	66069344.80	11481536.21
7:55:00	7:55:00	68.7	83.5	71.4	67.3	1:20 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	13803842.65
7:56:00	7:56:00	68.7	83.1	72.1	67.6	1:21 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	16218100.97
7:57:00	7:57:00	68.9	85.2	73.3	67.3	1:22 AM	7762471.16	78.9	77624711.66	78.9	77624711.66	21379620.90
7:58:00	7:58:00	68.4	83.7	71.5	67.5	1:23 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	14125375.45
7:59:00	7:59:00	69.2	85.8	72.2	67.9	1:24 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	16595869.07
8:00:00	8:00:00	69.5	84.4	73.7	68	1:25 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	23442288.15
8:01:00	8:01:00	69	84.3	71.6	67.4	1:26 AM	7943282.35	79	79432823.47	79.0	79432823.47	14454397.71
8:02:00	8:02:00	69.8	84.4	72.7	68	1:27 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	18620871.37
8:03:00	8:03:00	70.2	85.4	74.7	68	1:28 AM	10471285.48	80.2	104712854.81	80.2	104712854.81	29512092.27
8:04:00	8:04:00	68.5	84.5	71	67.6	1:29 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	12589254.12
8:05:00	8:05:00	69.8	85.4	73	67.5	1:30 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	19952623.15
8:06:00	8:06:00	68.8	84	71.4	67.5	1:31 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	13803842.65
8:07:00	8:07:00	68.7	85.2	71.8	67.5	1:32 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	15135612.48
8:08:00	8:08:00	69.3	86.1	73.6	67.9	1:33 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	22908676.53
8:09:00	8:09:00	69.4	84.2	73.6	67.5	1:34 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	22908676.53
8:10:00	8:10:00	69.1	85.6	71.3	67.8	1:35 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	13489628.83
8:11:00	8:11:00	69.9	84.9	73.3	67.8	1:36 AM	9772372.21	79.9	97723722.10	79.9	97723722.10	21379620.90
8:12:00	8:12:00	68.9	84	72.6	67.8	1:37 AM	7762471.16	78.9	77624711.66	78.9	77624711.66	18197008.59
8:13:00	8:13:00	68.8	85.2	71.8	67.5	1:38 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	15135612.48
8:14:00	8:14:00	69	83.2	71.9	67.7</							

8:41:00	8:41:00	67.9	82.9	70.5	66.6	2:06 AM	6165950.02	77.9	61659500.19	77.9	61659500.19	11220184.54
8:42:00	8:42:00	68.5	84	71.8	67.1	2:07 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	15135612.48
8:43:00	8:43:00	68.9	84.8	72.2	67	2:08 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	16595869.07
8:44:00	8:44:00	68.3	83.9	71.9	66.7	2:09 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	15488166.19
8:45:00	8:45:00	68.6	85.4	72.2	67.4	2:10 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	16595869.07
8:46:00	8:46:00	68	82.5	69.9	67.2	2:11 AM	6309573.44	78	63095734.45	78.0	63095734.45	9772372.21
8:47:00	8:47:00	69	83	72.5	67.1	2:12 AM	7943282.35	79	79432823.47	79.0	79432823.47	17782794.10
8:48:00	8:48:00	67.6	82.3	69.4	66.9	2:13 AM	5754399.37	77.6	57543993.73	77.6	57543993.73	8709635.90
8:49:00	8:49:00	68.4	84.1	72.9	67.1	2:14 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	19498446.00
8:50:00	8:50:00	68.5	83.9	71.8	67	2:15 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	15135612.48
8:51:00	8:51:00	68.9	83.2	72.4	67.2	2:16 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	17378008.29
8:52:00	8:52:00	68.7	84.2	72	67.1	2:17 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	15848931.92
8:53:00	8:53:00	68.2	82.9	71.2	66.7	2:18 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	13182567.39
8:54:00	8:54:00	68.5	84.8	71.8	66.7	2:19 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	15135612.48
8:55:00	8:55:00	68.1	86.5	71.7	67.1	2:20 AM	6456542.29	78.1	64565422.90	78.1	64565422.90	14791083.88
8:56:00	8:56:00	68.9	83.3	72.3	67.1	2:21 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	16982436.52
8:57:00	8:57:00	67.7	83	72.2	66.5	2:22 AM	5888436.55	77.7	58884365.54	77.7	58884365.54	16595869.07
8:58:00	8:58:00	68.1	84.5	70.6	66.8	2:23 AM	6456542.29	78.1	64565422.90	78.1	64565422.90	11481536.21
8:59:00	8:59:00	68.8	83.1	71.2	67.3	2:24 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	13182567.39
9:00:00	9:00:00	69.6	84.7	71.9	67.2	2:25 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	15488166.19
9:01:00	9:01:00	62.6	84.5	73.4	67.2	2:26 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	21877616.24
9:02:00	9:02:00	68.7	83.6	69.9	67.8	2:27 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	9772372.21
9:03:00	9:03:00	69	83.1	70.5	68.2	2:28 AM	7943282.35	79	79432823.47	79.0	79432823.47	11220184.54
9:04:00	9:04:00	68.3	83.9	70.1	67.5	2:29 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	10232929.92
9:05:00	9:05:00	69.3	84.1	73.4	67.7	2:30 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	21877616.24
9:06:00	9:06:00	68.8	83.8	72.3	67.2	2:31 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	16982436.52
9:07:00	9:07:00	68.4	83.2	72.6	67.1	2:32 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	18197008.59
9:08:00	9:08:00	67.9	86.3	69.8	66.7	2:33 AM	6165950.02	77.9	61659500.19	77.9	61659500.19	9549925.86
9:09:00	9:09:00	69.6	83.9	72.4	67.4	2:34 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	17378008.29
9:10:00	9:10:00	68.6	84.7	71.2	67.6	2:35 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	13182567.39
9:11:00	9:11:00	69	84.3	72.8	67.8	2:36 AM	7943282.35	79	79432823.47	79.0	79432823.47	19054607.18
9:12:00	9:12:00	68.8	84.3	72.6	67.4	2:37 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	18197008.59
9:13:00	9:13:00	68.9	84.7	71.4	67.4	2:38 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	13803842.65
9:14:00	9:14:00	68.9	84	71.7	67.9	2:39 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	14791083.88
9:15:00	9:15:00	69.7	86.1	73.1	67.5	2:40 AM	9332543.01	79.7	93325430.08	79.7	93325430.08	20417379.45
9:16:00	9:16:00	68.7	86	72.7	67.2	2:41 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	18620871.37
9:17:00	9:17:00	68.7	84	71.8	67.4	2:42 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	15135612.48
9:18:00	9:18:00	68.1	82.9	71.1	66.8	2:43 AM	6456542.29	78.1	64565422.90	78.1	64565422.90	12589254.12
9:19:00	9:19:00	67.9	82.6	71	67	2:44 AM	6165950.02	77.9	61659500.19	77.9	61659500.19	12589254.12
9:20:00	9:20:00	68.5	84.6	71.2	67	2:45 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	13182567.39
9:21:00	9:21:00	68.8	84	71.8	66.5	2:46 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	15135612.48
9:22:00	9:22:00	68.2	83.5	71.1	66.8	2:47 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	12882495.52
9:23:00	9:23:00	68.3	84.5	71.2	67.2	2:48 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	13182567.39
9:24:00	9:24:00	69	84.3	71.7	66.9	2:49 AM	7943282.35	79	79432823.47	79.0	79432823.47	14791083.88
9:25:00	9:25:00	68.6	86.8	71.9	66.9	2:50 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	15488166.19
9:26:00	9:26:00	69.3	84.8	72.3	67.8	2:51 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	16982436.52
9:27:00	9:27:00	68.4	82.8	70.9	66.7	2:52 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	12302687.71
9:28:00	9:28:00	69.1	85.3	71.9	67.3	2:53 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	15488166.19
9:29:00	9:29:00	68.3	82.1	70.4	67.5	2:54 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	10964781.96
9:30:00	9:30:00	69.5	84.3	72.8	67.7	2:55 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	19054607.18
9:31:00	9:31:00	68.4	82.8	71.3	67.4	2:56 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	13489628.83
9:32:00	9:32:00	68.7	83.6	71.6	66.9	2:57 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	14454397.71
9:33:00	9:33:00	69.1	83.8	73	67.3	2:58 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	19952623.15
9:34:00	9:34:00	68.7	83.7	72.3	67	2:59 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	16982436.52
9:35:00	9:35:00	68.8	82.7	71.7	66.9	3:00 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	14791083.88
9:36:00	9:36:00	68.9	84.2	71.4	67.3	3:01 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	13803842.65
9:37:00	9:37:00	69.4	83.5	71.8	67.7	3:02 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	15135612.48
9:38:00	9:38:00	68.6	84.4	71.3	67.1	3:03 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	13489628.83
9:39:00	9:39:00	68.7	84.6	72.2	67.5	3:04 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	16595869.07
9:40:00	9:40:00	68.3	83.4	71.2	67.2	3:05 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	13182567.39
9:41:00	9:41:00	68.6	83.4	71.4	67.4	3:06 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	13803842.65
9:42:00	9:42:00	68.2	84.5	70.2	67	3:07 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	10471285.48
9:43:00	9:43:00	69.7	84.2	72.3	67.2	3:08 AM	9332543.01	79.7	93325430.08	79.7	93325430.08	16982436.52
9:44:00	9:44:00	68.3	86.1	71.2	67.2	3:09 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	13182567.39
9:45:00	9:45:00	68.2	83	71.1	67.2	3:10 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	12882495.52
9:46:00	9:46:00	68	83.1	70	67	3:11 AM	6309573.44	78	63095734.45	78.0	63095734.45	10000000.00
9:47:00	9:47:00	69.8	88.4	74.6	67.6	3:12 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	28840315.03
9:48:00	9:48:00	69.1	83.6	71.6	67.6	3:13 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	14454397.71
9:49:00	9:49:00	69.2	84.6	73.7	67.7	3:14 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	23442288.15
9:50:00	9:50:00	69.2	85	72.5	67.7	3:15 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	17782794.10
9:51:00	9:51:00	69.2	83.9	73.8	67	3:16 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	23988329.19
9:52:00	9:52:00	68.2	84	72.2	67.4	3:17 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	16595869.07
9:53:00	9:53:00	68.8	86.1	72.6	67.1	3:18 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	18197008.59
9:54:00	9:54:00	68.5	83.5	71.7	67	3:19 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	14791083.88
9:55:00	9:55:00	68.4	84.1	72	66.8	3:20 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	15848931.92
9:56:00	9:56:00	68.7	83.9	71.4	67.4	3:21 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	13803842.65
9:57:00	9:57:00	68.3	85.1	71.2	66.9	3:22 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	13182567.39
9:58:00	9:58:00	68.6	83	71	67.1	3:23 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	12589254.12
9:59:00	9:59:00	69.2	84.7	72.7	67.2	3:24 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	18

Data

10:26:00	10:26:00	68.2	85.5	71	67.2	3:51 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	12589254.12
10:27:00	10:27:00	68.5	83.5	71.6	67	3:52 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	14454397.71
10:28:00	10:28:00	68.5	83.6	71.9	67.4	3:53 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	15488166.19
10:29:00	10:29:00	69.5	84.5	72.1	67.5	3:54 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	16218100.97
10:30:00	10:30:00	68.8	84.1	71.8	67.2	3:55 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	15135612.48
10:31:00	10:31:00	68.8	85.1	70.9	66.9	3:56 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	12302687.71
10:32:00	10:32:00	68.7	83.1	71.3	67.2	3:57 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	13489628.83
10:33:00	10:33:00	68.8	85.7	71.4	67.4	3:58 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	13803842.65
10:34:00	10:34:00	67.9	84.9	70.1	66.6	3:59 AM	6165950.02	77.9	61659500.19	77.9	61659500.19	10232929.92
10:35:00	10:35:00	68.5	84.7	71.6	67.3	4:00 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	14454397.71
10:36:00	10:36:00	68	83.1	70.9	67	4:01 AM	6309573.44	78	63095734.45	78.0	63095734.45	12302687.71
10:37:00	10:37:00	67.8	85.2	69.6	66.7	4:02 AM	6025595.86	77.8	60255958.61	77.8	60255958.61	9120108.39
10:38:00	10:38:00	67.6	82.6	69.8	66.3	4:03 AM	5754399.37	77.6	57543993.73	77.6	57543993.73	9549925.86
10:39:00	10:39:00	68.1	84.1	70.2	66.8	4:04 AM	6456542.29	78.1	64565422.90	78.1	64565422.90	10471285.48
10:40:00	10:40:00	68.3	84	72.3	66.9	4:05 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	16982436.52
10:41:00	10:41:00	68.6	83.8	71.2	67	4:06 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	13182567.39
10:42:00	10:42:00	67.9	84.6	71.5	66.4	4:07 AM	6165950.02	77.9	61659500.19	77.9	61659500.19	14125375.45
10:43:00	10:43:00	67.6	84.3	70.7	66.6	4:08 AM	5754399.37	77.6	57543993.73	77.6	57543993.73	11748975.55
10:44:00	10:44:00	68.1	82.8	71	66.9	4:09 AM	6456542.29	78.1	64565422.90	78.1	64565422.90	12589254.12
10:45:00	10:45:00	68	83.8	70.8	66.8	4:10 AM	6309573.44	78	63095734.45	78.0	63095734.45	12022644.35
10:46:00	10:46:00	68	82.8	70.4	66.4	4:11 AM	6309573.44	78	63095734.45	78.0	63095734.45	10964781.96
10:47:00	10:47:00	67.4	84.5	69.6	66.1	4:12 AM	5495408.74	77.4	54954087.39	77.4	54954087.39	9120108.39
10:48:00	10:48:00	68.5	83.7	72	66.6	4:13 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	15848931.92
10:49:00	10:49:00	67.8	82.5	71.9	66.9	4:14 AM	6025595.86	77.8	60255958.61	77.8	60255958.61	15488166.19
10:50:00	10:50:00	69	85.4	72.3	66.7	4:15 AM	79432823.47	79	79432823.47	79.0	79432823.47	16982436.52
10:51:00	10:51:00	67.8	85.8	71.4	66.4	4:16 AM	6025595.86	77.8	60255958.61	77.8	60255958.61	13803842.65
10:52:00	10:52:00	68.2	83	70.5	66.6	4:17 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	11220184.54
10:53:00	10:53:00	68.2	84.9	70.1	66.9	4:18 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	10232929.92
10:54:00	10:54:00	68.2	85.4	71	66.8	4:19 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	12589254.12
10:55:00	10:55:00	68	83.1	70.6	66.8	4:20 AM	6309573.44	78	63095734.45	78.0	63095734.45	11481536.21
10:56:00	10:56:00	68	85	70.7	67	4:21 AM	6309573.44	78	63095734.45	78.0	63095734.45	11748975.55
10:57:00	10:57:00	67.8	83.4	70.2	67	4:22 AM	6025595.86	77.8	60255958.61	77.8	60255958.61	10471285.48
10:58:00	10:58:00	68.9	84.1	71.2	67.2	4:23 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	13182567.39
10:59:00	10:59:00	68.6	82.8	70.6	67.1	4:24 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	11481536.21
11:00:00	11:00:00	67.4	84.5	70.2	66.3	4:25 AM	5495408.74	77.4	54954087.39	77.4	54954087.39	10471285.48
11:01:00	11:01:00	68.7	83.7	72.9	66.7	4:26 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	19498446.00
11:02:00	11:02:00	68.4	84.9	70.6	66.9	4:27 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	11481536.21
11:03:00	11:03:00	69.1	83.7	71.8	67.2	4:28 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	15135612.48
11:04:00	11:04:00	69.1	87.2	73.1	67.4	4:29 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	20417379.45
11:05:00	11:05:00	68.1	83.9	71.5	66.6	4:30 AM	6456542.29	78.1	64565422.90	78.1	64565422.90	14125375.45
11:06:00	11:06:00	68.4	82.7	70.7	66.4	4:31 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	11748975.55
11:07:00	11:07:00	68.6	85.3	71.8	66.8	4:32 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	15135612.48
11:08:00	11:08:00	67.7	84	69.6	66.6	4:33 AM	5888436.55	77.7	58884365.54	77.7	58884365.54	9120108.39
11:09:00	11:09:00	67.8	82.9	69.8	66.7	4:34 AM	6025595.86	77.8	60255958.61	77.8	60255958.61	9549925.86
11:10:00	11:10:00	68.9	86.1	72	67	4:35 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	15848931.92
11:11:00	11:11:00	68.8	83.7	71	67	4:36 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	12589254.12
11:12:00	11:12:00	69.3	84.6	72.7	67.3	4:37 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	18620871.37
11:13:00	11:13:00	68.9	82.9	71.1	67.6	4:38 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	12882495.52
11:14:00	11:14:00	68.7	85.9	71.4	67.2	4:39 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	13803842.65
11:15:00	11:15:00	68.8	83.3	71.9	67.1	4:40 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	15488166.19
11:16:00	11:16:00	69.3	84.5	72.5	67.5	4:41 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	17782794.10
11:17:00	11:17:00	68.1	83.6	71.7	67	4:42 AM	6456542.29	78.1	64565422.90	78.1	64565422.90	14791083.88
11:18:00	11:18:00	68.5	86.2	71.5	67.1	4:43 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	14125375.45
11:19:00	11:19:00	68.1	82.4	70.4	67.2	4:44 AM	6456542.29	78.1	64565422.90	78.1	64565422.90	10964781.96
11:20:00	11:20:00	68.7	86.1	71.3	66.8	4:45 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	13489628.83
11:21:00	11:21:00	69.5	87.3	74	66.9	4:46 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	25118864.32
11:22:00	11:22:00	68.4	82.8	71	67.1	4:47 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	12589254.12
11:23:00	11:23:00	69.3	86	71.9	67.2	4:48 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	15488166.19
11:24:00	11:24:00	69.3	83.6	71.4	67.4	4:49 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	13803842.65
11:25:00	11:25:00	68.8	83.5	71.1	67.3	4:50 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	12882495.52
11:26:00	11:26:00	69.6	85.5	71.5	67.8	4:51 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	14125375.45
11:27:00	11:27:00	69.3	85.8	71.6	67.1	4:52 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	14454397.71
11:28:00	11:28:00	68.6	85.9	71.3	67.3	4:53 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	13489628.83
11:29:00	11:29:00	68.6	83.2	71.4	66.7	4:54 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	13803842.65
11:30:00	11:30:00	69.5	86	73	67.3	4:55 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	19952623.15
11:31:00	11:31:00	68.1	82.5	70	66.9	4:56 AM	6456542.29	78.1	64565422.90	78.1	64565422.90	10000000.00
11:32:00	11:32:00	68.3	82.6	70.1	67.1	4:57 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	10232929.92
11:33:00	11:33:00	68.5	83.7	70.8	67	4:58 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	12022644.35
11:34:00	11:34:00	68.5	85.4	71	66.4	4:59 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	12589254.12
11:35:00	11:35:00	68.2	83	70.6	66.8	5:00 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	11481536.21
11:36:00	11:36:00	68.4	84.6	70.3	66.6	5:01 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	10715193.05
11:37:00	11:37:00	68.5	82.8	71.4	67.1	5:02 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	13803842.65
11:38:00	11:38:00	69.1	84.8	71.8	67.7	5:03 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	15135612.48
11:39:00	11:39:00	68.4	82.6	71.1	66.9	5:04 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	12882495.52
11:40:00	11:40:00	67.9	85.2	70	66.8	5:05 AM	6165950.02	77.9	61659500.19	77.9	61659500.19	10000000.00
11:41:00	11:41:00	68.5	83.5	70.8	67.2	5:06 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	12022644.35
11:42:00	11:42:00	68.2	82.2	69.9	67.3	5:07 AM	6606934.48	78.2	66069344.80	78.2	66069344.80	9772372.21
11:43:00	11:43:00	69	84.5	72.4	67.2	5:08 AM	79432823.47	79	79432823.47	79.0		

Data

12:11:00	12:11:00	69.4	85.6	72.6	67.4	5:36 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	18197008.59
12:12:00	12:12:00	68.6	83.6	70.8	67.3	5:37 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	12022644.35
12:13:00	12:13:00	68.6	84.9	70.8	67.5	5:38 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	12022644.35
12:14:00	12:14:00	68.3	84.6	70.8	67.3	5:39 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	12022644.35
12:15:00	12:15:00	69	84.5	73.6	67	5:40 AM	7943282.35	79	79432823.47	79.0	79432823.47	22908676.53
12:16:00	12:16:00	68.8	84	71.3	67.3	5:41 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	13489628.83
12:17:00	12:17:00	69.5	84.5	72.1	67.6	5:42 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	16218100.97
12:18:00	12:18:00	69.1	83.3	71.9	67.2	5:43 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	15488166.19
12:19:00	12:19:00	69.4	84.4	72.6	67.8	5:44 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	18197008.59
12:20:00	12:20:00	70.2	87.4	73.2	67.9	5:45 AM	10471285.48	80.2	104712854.81	80.2	104712854.81	20892961.31
12:21:00	12:21:00	69.1	84.6	71.9	67.7	5:46 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	15488166.19
12:22:00	12:22:00	69	85.1	72.2	67.4	5:47 AM	7943282.35	79	79432823.47	79.0	79432823.47	16595869.07
12:23:00	12:23:00	68.7	86.9	70.4	67.5	5:48 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	10964781.96
12:24:00	12:24:00	68.9	83	71.2	67.2	5:49 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	13182567.39
12:25:00	12:25:00	68.6	85.2	71.7	67.5	5:50 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	14791083.88
12:26:00	12:26:00	69.6	83.9	72.2	67.6	5:51 AM	9120108.39	79.6	91201083.94	79.6	91201083.94	16595869.07
12:27:00	12:27:00	69.3	85	72.4	67.7	5:52 AM	8511380.38	79.3	85113803.82	79.3	85113803.82	17378008.29
12:28:00	12:28:00	69.2	84.8	72.1	67.9	5:53 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	16218100.97
12:29:00	12:29:00	69.5	84.8	72.6	67.8	5:54 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	18197008.59
12:30:00	12:30:00	68.5	83.7	71.5	67.3	5:55 AM	7079457.84	78.5	70794578.44	78.5	70794578.44	14125375.45
12:31:00	12:31:00	68.8	83.8	72.3	67.4	5:56 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	16982436.52
12:32:00	12:32:00	69.4	85.2	71.9	67.6	5:57 AM	8709635.90	79.4	87096359.00	79.4	87096359.00	15488166.19
12:33:00	12:33:00	70	84.6	72.6	68	5:58 AM	10000000.00	80	100000000.00	80.0	100000000.00	18197008.59
12:34:00	12:34:00	69.7	85.6	73.7	67.5	5:59 AM	9332543.01	79.7	93325430.08	79.7	93325430.08	23442288.15
12:35:00	12:35:00	70.4	86.4	73.2	67.9	6:00 AM	10964781.96	80.4	109647819.61	80.4	109647819.61	20892961.31
12:36:00	12:36:00	68.8	84.4	71.6	67.6	6:01 AM	7585775.75	78.8	75857757.50	78.8	75857757.50	14454397.71
12:37:00	12:37:00	69.9	83.3	73	67.7	6:02 AM	9772372.21	79.9	97723722.10	79.9	97723722.10	19952623.15
12:38:00	12:38:00	70	85	73.2	67.9	6:03 AM	10000000.00	80	100000000.00	80.0	100000000.00	20892961.31
12:39:00	12:39:00	70	87.6	73.8	67.9	6:04 AM	10000000.00	80	100000000.00	80.0	100000000.00	23988329.19
12:40:00	12:40:00	69.8	85.1	73.4	67.2	6:05 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	21877616.24
12:41:00	12:41:00	67.6	84.7	69.8	66.4	6:06 AM	5754399.37	77.6	57543993.73	77.6	57543993.73	9549925.86
12:42:00	12:42:00	67.7	86.3	69.6	66.6	6:07 AM	5888436.55	77.7	58884365.54	77.7	58884365.54	9120108.39
12:43:00	12:43:00	68	82.9	70.5	67.1	6:08 AM	6309573.44	78	63095734.45	78.0	63095734.45	11220184.54
12:44:00	12:44:00	68.4	86	70.8	67	6:09 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	12022644.35
12:45:00	12:45:00	68.9	86.3	72.9	67	6:10 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	19498446.00
12:46:00	12:46:00	67.9	85.6	69.9	66.8	6:11 AM	6165950.02	77.9	61659500.19	77.9	61659500.19	9772372.21
12:47:00	12:47:00	69.2	86.1	73.4	67.3	6:12 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	21877616.24
12:48:00	12:48:00	69	84.2	71.9	67.4	6:13 AM	7943282.35	79	79432823.47	79.0	79432823.47	15488166.19
12:49:00	12:49:00	69	83	71.1	67.1	6:14 AM	7943282.35	79	79432823.47	79.0	79432823.47	12882495.52
12:50:00	12:50:00	68.6	83.2	70.9	67.1	6:15 AM	7244359.60	78.6	72443596.01	78.6	72443596.01	12302687.71
12:51:00	12:51:00	69	84.9	71	67.5	6:16 AM	7943282.35	79	79432823.47	79.0	79432823.47	12589254.12
12:52:00	12:52:00	68.9	86.6	72.8	67.4	6:17 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	19054607.18
12:53:00	12:53:00	67.9	86.3	71.2	66.8	6:18 AM	6165950.02	77.9	61659500.19	77.9	61659500.19	13182567.39
12:54:00	12:54:00	68.3	82.4	71	66.8	6:19 AM	6760829.75	78.3	67608297.54	78.3	67608297.54	12589254.12
12:55:00	12:55:00	67.3	82.9	69.7	66.6	6:20 AM	5370317.96	77.3	53703179.64	77.3	53703179.64	9332543.01
12:56:00	12:56:00	67.6	82.2	69.3	66.8	6:21 AM	5754399.37	77.6	57543993.73	77.6	57543993.73	8511380.38
12:57:00	12:57:00	67.5	85.3	70	66.6	6:22 AM	5623413.25	77.5	56234132.52	77.5	56234132.52	100000000.00
12:58:00	12:58:00	68.4	84.3	70.1	67.2	6:23 AM	6918309.71	78.4	69183097.09	78.4	69183097.09	10232929.23
12:59:00	12:59:00	70.5	85	74.6	68	6:24 AM	11220184.54	80.5	112201845.43	80.5	112201845.43	28840315.03
13:00:00	13:00:00	70.2	84.9	73.7	68.3	6:25 AM	10471285.48	80.2	104712854.81	80.2	104712854.81	23442288.15
13:01:00	13:01:00	70.2	87	73.3	68.2	6:26 AM	10471285.48	80.2	104712854.81	80.2	104712854.81	21379620.90
13:02:00	13:02:00	69.9	86.3	72.9	68	6:27 AM	9772372.21	79.9	97723722.10	79.9	97723722.10	19498446.00
13:03:00	13:03:00	69.2	85.1	73.3	67.9	6:28 AM	8317637.71	79.2	83176377.11	79.2	83176377.11	21379620.90
13:04:00	13:04:00	69.7	84.8	73.2	68.1	6:29 AM	9332543.01	79.7	93325430.08	79.7	93325430.08	20892961.31
13:05:00	13:05:00	69.5	84.9	73.1	67.6	6:30 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	20417379.45
13:06:00	13:06:00	69.1	85.7	72	67.8	6:31 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	15488166.19
13:07:00	13:07:00	68.7	83.7	71.4	67.7	6:32 AM	7413102.41	78.7	74131024.13	78.7	74131024.13	13803842.65
13:08:00	13:08:00	69.1	87	72.9	67.7	6:33 AM	8128305.16	79.1	81283051.62	79.1	81283051.62	19498446.00
13:09:00	13:09:00	69.9	86.2	73.6	67.7	6:34 AM	9772372.21	79.9	97723722.10	79.9	97723722.10	22908676.53
13:10:00	13:10:00	69.7	84.5	73.5	68.3	6:35 AM	9332543.01	79.7	93325430.08	79.7	93325430.08	22387211.39
13:11:00	13:11:00	70.2	84.8	73	68.2	6:36 AM	10471285.48	80.2	104712854.81	80.2	104712854.81	19952623.15
13:12:00	13:12:00	71	86.1	74.4	68.2	6:37 AM	12589254.12	81	125892541.18	81.0	125892541.18	27542287.03
13:13:00	13:13:00	71.2	85.5	73.9	69	6:38 AM	13182567.39	81.2	131825673.86	81.2	131825673.86	24547089.16
13:14:00	13:14:00	70.8	84.9	73.8	68.8	6:39 AM	12022644.35	80.8	120226443.46	80.8	120226443.46	23988329.19
13:15:00	13:15:00	71.1	85.9	74.8	68.3	6:40 AM	12882495.52	81.1	128824955.17	81.1	128824955.17	30199517.20
13:16:00	13:16:00	69.5	86.6	72.7	68.2	6:41 AM	8912509.38	79.5	89125093.81	79.5	89125093.81	18620871.37
13:17:00	13:17:00	69.7	84.3	72.9	67.7	6:42 AM	9332543.01	79.7	93325430.08	79.7	93325430.08	19498446.00
13:18:00	13:18:00	70.7	86.7	73.9	67.9	6:43 AM	11748975.55	80.7	117489755.49	80.7	117489755.49	24547089.16
13:19:00	13:19:00	69.8	84.1	73.7	67.8	6:44 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	23442288.15
13:20:00	13:20:00	69.8	85.7	74.4	67.9	6:45 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	27542287.03
13:21:00	13:21:00	69.8	85	73	67.8	6:46 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	19952623.15
13:22:00	13:22:00	70	84.8	73.5	68.2	6:47 AM	10000000.00	80	100000000.00	80.0	100000000.00	22387211.39
13:23:00	13:23:00	68.9	84.9	72.1	68	6:48 AM	7762471.17	78.9	77624711.66	78.9	77624711.66	16218100.97
13:24:00	13:24:00	69.7	84.1	72.6	68.1	6:49 AM	9332543.01	79.7	93325430.08	79.7	93325430.08	18197008.59
13:25:00	13:25:00	70.1	85.7	72.6	68.1	6:50 AM	10232929.92	80.1	102329299.23	80.1	102329299.23	18197008.59
13:26:00	13:26:00	69.8	85.7	73.1	68.2	6:51 AM	9549925.86	79.8	95499258.60	79.8	95499258.60	20417379.45
13:27:00	13:27:00	69.9	84.9	73.6	68.4	6:52 AM	9772372.21	79.9	97723722.10	79.9	97723722.10	22908676.53
13:28:00	13:28:00	70.5	86.4	74.3	68.2	6:53 AM	11220184.54					

Data

13:56:00	13:56:00	71.1	85.6	75.2	68.5	7:21 AM	12882495.52	71.1	12882495.52	71.1	12882495.52	33113112.15
13:57:00	13:57:00	70.5	85.8	73.8	68.5	7:22 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	23988329.19
13:58:00	13:58:00	70	86.4	73.5	67.7	7:23 AM	10000000.00	70	10000000.00	70.0	10000000.00	22387211.39
13:59:00	13:59:00	69.9	86	74.1	68	7:24 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	25703957.83
14:00:00	14:00:00	71	85.6	74.2	68.5	7:25 AM	12589254.12	71	12589254.12	71.0	12589254.12	26302679.92
14:01:00	14:01:00	70.4	84.9	72.9	68.4	7:26 AM	10964781.96	70.4	10964781.96	70.4	10964781.96	19498446.00
14:02:00	14:02:00	70.2	85	73.7	67.9	7:27 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	23442288.15
14:03:00	14:03:00	70.5	84.9	74	68.1	7:28 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	25118864.32
14:04:00	14:04:00	70.8	86.3	73.8	68.3	7:29 AM	12022644.35	70.8	12022644.35	70.8	12022644.35	23988329.19
14:05:00	14:05:00	70.2	85.2	73.8	67.4	7:30 AM	10471285.48	70.2	10471285.48	70.2	10471285.48	23988329.19
14:06:00	14:06:00	69.7	85.7	72.6	68	7:31 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	18197008.59
14:07:00	14:07:00	70.4	85.7	74.4	68.3	7:32 AM	10964781.96	70.4	10964781.96	70.4	10964781.96	27542287.03
14:08:00	14:08:00	70.3	85.1	73.9	68.5	7:33 AM	10715193.05	70.3	10715193.05	70.3	10715193.05	24547089.16
14:09:00	14:09:00	70.9	86.2	74.5	68.3	7:34 AM	12302687.71	70.9	12302687.71	70.9	12302687.71	28183829.31
14:10:00	14:10:00	70.7	91.9	75.2	68.4	7:35 AM	11748975.55	70.7	11748975.55	70.7	11748975.55	33113112.15
14:11:00	14:11:00	69.4	86.4	72.3	68.2	7:36 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	16982436.52
14:12:00	14:12:00	70	85.2	73.9	68.1	7:37 AM	10000000.00	70	10000000.00	70.0	10000000.00	24547089.16
14:13:00	14:13:00	70.7	84.8	74.1	68	7:38 AM	11748975.55	70.7	11748975.55	70.7	11748975.55	25703957.83
14:14:00	14:14:00	71	91	76.1	68.4	7:39 AM	12589254.12	71	12589254.12	71.0	12589254.12	40738027.78
14:15:00	14:15:00	71.1	86.8	74.9	68.1	7:40 AM	12882495.52	71.1	12882495.52	71.1	12882495.52	30902954.33
14:16:00	14:16:00	70.5	86	73.9	68.8	7:41 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	24547089.16
14:17:00	14:17:00	70.9	85.7	73.6	68	7:42 AM	12302687.71	70.9	12302687.71	70.9	12302687.71	22908676.53
14:18:00	14:18:00	70.5	85.9	72.9	68.5	7:43 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	19498446.00
14:19:00	14:19:00	70.7	86.2	73.4	67.8	7:44 AM	11748975.55	70.7	11748975.55	70.7	11748975.55	21877616.24
14:20:00	14:20:00	69.9	87.5	72.7	67.8	7:45 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	18620871.31
14:21:00	14:21:00	69.6	85.6	73	67.7	7:46 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	19952623.15
14:22:00	14:22:00	69.7	85.6	73.9	67.4	7:47 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	24547089.16
14:23:00	14:23:00	69.2	86.1	73.3	67.4	7:48 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	21379620.90
14:24:00	14:24:00	69.9	85.6	72.5	68.2	7:49 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	17782794.10
14:25:00	14:25:00	69.6	85	72.8	67.8	7:50 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	19054607.18
14:26:00	14:26:00	69.5	86.2	72.5	67.5	7:51 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	17782794.10
14:27:00	14:27:00	69.2	85.1	73.6	67.8	7:52 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	22908676.53
14:28:00	14:28:00	69.6	85.9	72	67.9	7:53 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	15848931.92
14:29:00	14:29:00	69.5	84.7	72.8	68	7:54 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	19054607.18
14:30:00	14:30:00	70.4	86.2	73.1	68.3	7:55 AM	10964781.96	70.4	10964781.96	70.4	10964781.96	20417379.45
14:31:00	14:31:00	70.3	85.6	74.5	67.8	7:56 AM	10715193.05	70.3	10715193.05	70.3	10715193.05	28183829.31
14:32:00	14:32:00	68.9	83.9	71.3	67.7	7:57 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	13489628.83
14:33:00	14:33:00	69.2	86.4	71.8	67.2	7:58 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	15135612.48
14:34:00	14:34:00	70.8	86.2	74.6	68	7:59 AM	12022644.35	70.8	12022644.35	70.8	12022644.35	28840315.03
14:35:00	14:35:00	70.7	85.3	74.5	68.4	8:00 AM	11748975.55	70.7	11748975.55	70.7	11748975.55	28183829.31
14:36:00	14:36:00	69.3	85.9	72.3	67.8	8:01 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	16982436.52
14:37:00	14:37:00	70	86.4	73.4	67.7	8:02 AM	10000000.00	70	10000000.00	70.0	10000000.00	21877616.24
14:38:00	14:38:00	69.4	83.5	71.8	68	8:03 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	15135612.48
14:39:00	14:39:00	70.1	86.7	73.9	68.3	8:04 AM	10232929.92	70.1	10232929.92	70.1	10232929.92	24547089.16
14:40:00	14:40:00	70.5	84.6	74	68.1	8:05 AM	11220184.54	70.5	11220184.54	70.5	11220184.54	25118864.32
14:41:00	14:41:00	70.7	85.7	74	68.3	8:06 AM	11748975.55	70.7	11748975.55	70.7	11748975.55	25118864.32
14:42:00	14:42:00	71.4	85.8	74.7	68.8	8:07 AM	13803842.65	71.4	13803842.65	71.4	13803842.65	29512092.27
14:43:00	14:43:00	71.5	86.2	76	68.5	8:08 AM	14125375.45	71.5	14125375.45	71.5	14125375.45	39810717.06
14:44:00	14:44:00	69.6	85	72.7	67.9	8:09 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	18620871.31
14:45:00	14:45:00	69.5	84.7	72.4	68.1	8:10 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	17378008.29
14:46:00	14:46:00	69.9	85.5	73.4	68.3	8:11 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	21877616.24
14:47:00	14:47:00	69.6	84.1	73.1	68.2	8:12 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	20417379.45
14:48:00	14:48:00	69.4	86.5	73.2	68	8:13 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	20892961.31
14:49:00	14:49:00	69.7	86.8	73	67.5	8:14 AM	9332543.01	69.7	9332543.01	69.7	9332543.01	19952623.15
14:50:00	14:50:00	69	84.7	73	67.7	8:15 AM	7943282.35	69	7943282.35	69.0	7943282.35	19952623.15
14:51:00	14:51:00	69.9	84.3	72.8	68	8:16 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	19054607.18
14:52:00	14:52:00	70.1	86.6	73.4	68.2	8:17 AM	10232929.92	70.1	10232929.92	70.1	10232929.92	21877616.24
14:53:00	14:53:00	70.4	87.6	74.8	68.1	8:18 AM	10964781.96	70.4	10964781.96	70.4	10964781.96	30199517.20
14:54:00	14:54:00	69.3	84.6	73	67.4	8:19 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	19952623.15
14:55:00	14:55:00	70.1	85.7	73.7	67.6	8:20 AM	10232929.92	70.1	10232929.92	70.1	10232929.92	23442288.15
14:56:00	14:56:00	70.4	86.3	74.6	68.4	8:21 AM	10964781.96	70.4	10964781.96	70.4	10964781.96	28840315.03
14:57:00	14:57:00	70.1	85.3	74.4	67.8	8:22 AM	10232929.92	70.1	10232929.92	70.1	10232929.92	27542287.03
14:58:00	14:58:00	68.7	85.5	71.2	67.1	8:23 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	13182567.39
14:59:00	14:59:00	69.3	84.8	72.1	67.2	8:24 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	16218100.97
15:00:00	15:00:00	69.1	84.1	72.2	67.5	8:25 AM	8128305.16	69.1	8128305.16	69.1	8128305.16	16595869.07
15:01:00	15:01:00	68	82.6	69.6	66.9	8:26 AM	6309573.44	68	6309573.44	68.0	6309573.44	9120108.39
15:02:00	15:02:00	69.3	87.7	75.1	67.3	8:27 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	32359365.69
15:03:00	15:03:00	69.3	85.5	73.3	67.3	8:28 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	21379620.90
15:04:00	15:04:00	70.3	85.7	72.7	68.2	8:29 AM	10715193.05	70.3	10715193.05	70.3	10715193.05	18620871.37
15:05:00	15:05:00	70.3	85.2	74.3	68	8:30 AM	10715193.05	70.3	10715193.05	70.3	10715193.05	26915348.04
15:06:00	15:06:00	68.8	87.1	73.2	67.5	8:31 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	20892961.31
15:07:00	15:07:00	69	88.6	75.6	66.9	8:32 AM	7943282.35	69	7943282.35	69.0	7943282.35	36307805.48
15:08:00	15:08:00	68.6	83.7	71.4	67.1	8:33 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	13803842.65
15:09:00	15:09:00	69	83.5	72.5	67.2	8:34 AM	7943282.35	69	7943282.35	69.0	7943282.35	17782794.10
15:10:00	15:10:00	67.9	82.6	69.9	66.6	8:35 AM	6165950.02	67.9	6165950.02	67.9	6165950.02	9772372.21
15:11:00	15:11:00	69.9	85.1	72.7	68	8:36 AM	9772372.21	69.9	9772372.21	69.9	9772372.21	18620871.31
15:12:00	15:12:00	68.8	85	71.3	67.3	8:37 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	13489628.83
15:13:00	15:13:00	69.1	87.3	71.6	67.4	8:38 AM	8128305.16	69.1	8128305.16	69.1	8128305.16	14454397.71
15:14:00</												

## Data

15:41:00	15:41:00	68.1	84.8	70.3	66.7	9:06 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	10715193.05
15:42:00	15:42:00	68.7	82.9	71.2	66.6	9:07 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	13182567.39
15:43:00	15:43:00	68.4	83.6	70.8	67	9:08 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	12022644.35
15:44:00	15:44:00	68.4	83.1	70.8	67.3	9:09 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	12022644.35
15:45:00	15:45:00	68.5	85.2	71	67.2	9:10 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	12589254.12
15:46:00	15:46:00	69.1	85.7	71.6	66.9	9:11 AM	8128305.16	69.1	8128305.16	69.1	8128305.16	14454397.71
15:47:00	15:47:00	68.5	83.7	70.3	67.2	9:12 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	10715193.05
15:48:00	15:48:00	68.5	82.2	70.6	67.2	9:13 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	11481536.21
15:49:00	15:49:00	68.5	84.5	70.8	67.2	9:14 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	12022644.35
15:50:00	15:50:00	67.8	84.7	69.8	66.6	9:15 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	9549925.86
15:51:00	15:51:00	68.8	86.6	72.6	66.9	9:16 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	18197008.59
15:52:00	15:52:00	68.7	84.5	71.6	67.2	9:17 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	14454397.71
15:53:00	15:53:00	68.1	83.2	70.4	66.7	9:18 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	10964781.96
15:54:00	15:54:00	68.3	84.8	70.5	66.8	9:19 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	11220184.54
15:55:00	15:55:00	67.8	82.7	69	67	9:20 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	7943282.35
15:56:00	15:56:00	68.5	84.9	70.5	67.2	9:21 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	11220184.54
15:57:00	15:57:00	69.2	83.8	72.6	67.5	9:22 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	18197008.59
15:58:00	15:58:00	68.3	82.9	69.7	67.5	9:23 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	9332543.01
15:59:00	15:59:00	69.2	84.3	72.5	66.9	9:24 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	17782794.10
16:00:00	16:00:00	68.8	86.2	71	67.2	9:25 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	12589254.12
16:01:00	16:01:00	72.2	98.1	83	67.9	9:26 AM	16595869.07	72.2	16595869.07	72.2	16595869.07	199526231.50
16:02:00	16:02:00	69.6	85.2	73.1	67.9	9:27 AM	9120108.39	69.6	9120108.39	69.6	9120108.39	20417379.45
16:03:00	16:03:00	68.7	83.5	71.2	67.4	9:28 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	13182567.39
16:04:00	16:04:00	68.3	85.8	70.2	67.3	9:29 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	10471285.48
16:05:00	16:05:00	68.5	83.5	71.1	67.3	9:30 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	12882495.52
16:06:00	16:06:00	67.8	82.5	70.8	66.6	9:31 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	12022644.35
16:07:00	16:07:00	70.1	86.2	73.3	68	9:32 AM	10232929.92	70.1	10232929.92	70.1	10232929.92	21379620.90
16:08:00	16:08:00	68.9	84.9	72	67.3	9:33 AM	7762471.17	68.9	7762471.17	68.9	7762471.17	15848931.92
16:09:00	16:09:00	68.2	83.4	70.4	66.8	9:34 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	10964781.96
16:10:00	16:10:00	69	85.7	72.9	66.4	9:35 AM	7943282.35	69	7943282.35	69.0	7943282.35	19498446.00
16:11:00	16:11:00	70.7	93	78.1	66.9	9:36 AM	11748975.55	70.7	11748975.55	70.7	11748975.55	64565422.90
16:12:00	16:12:00	68.8	85.7	71.7	67.2	9:37 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	14791083.88
16:13:00	16:13:00	69.8	85.5	73.3	67.1	9:38 AM	9549925.86	69.8	9549925.86	69.8	9549925.86	21379620.90
16:14:00	16:14:00	69.2	83.1	72	67.5	9:39 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	15848931.92
16:15:00	16:15:00	69.4	84.6	72.9	67.7	9:40 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	19498446.00
16:16:00	16:16:00	68.3	85.9	70.7	66.7	9:41 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	11748975.55
16:17:00	16:17:00	68.6	86.7	72.2	66.7	9:42 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	16595869.07
16:18:00	16:18:00	67.3	87.5	70.5	66.3	9:43 AM	5888436.55	67.3	5888436.55	67.7	5888436.55	11220184.54
16:19:00	16:19:00	68.2	83.5	70.5	66.7	9:44 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	11220184.54
16:20:00	16:20:00	68.8	85.6	71.9	67	9:45 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	15488166.19
16:21:00	16:21:00	68.3	83.3	70.4	66.9	9:46 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	10964781.96
16:22:00	16:22:00	69.3	85.2	72.3	67.3	9:47 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	16982436.52
16:23:00	16:23:00	68.1	83.4	70.6	67.1	9:48 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	11481536.21
16:24:00	16:24:00	68.4	84.4	72.6	66.9	9:49 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	18197008.59
16:25:00	16:25:00	68.5	83.6	71	67.5	9:50 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	12589254.12
16:26:00	16:26:00	67.7	84	70.3	66.2	9:51 AM	5888436.55	67.7	5888436.55	67.7	5888436.55	10715193.05
16:27:00	16:27:00	68.6	86.9	71.8	65.9	9:52 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	15135612.48
16:28:00	16:28:00	67.9	82.4	69.9	66.3	9:53 AM	6165950.02	67.9	6165950.02	67.9	6165950.02	9772372.21
16:29:00	16:29:00	68.6	84.3	72.1	67.1	9:54 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	16218100.97
16:30:00	16:30:00	68.1	82.3	71.2	66.7	9:55 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	13182567.39
16:31:00	16:31:00	68.4	84.8	70.6	67	9:56 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	11481536.21
16:32:00	16:32:00	68.2	82.8	70	67.2	9:57 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	10000000.00
16:33:00	16:33:00	69.3	90.2	73.4	67.2	9:58 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	21877616.24
16:34:00	16:34:00	69.2	88.3	73.8	67.1	9:59 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	23988329.19
16:35:00	16:35:00	67.5	82.2	69	66.4	10:00 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	7943282.35
16:36:00	16:36:00	67.4	83.9	68.9	66.3	10:01 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	7762471.17
16:37:00	16:37:00	67.6	83.5	69.5	65.8	10:02 AM	5754399.37	67.6	5754399.37	67.6	5754399.37	8912509.38
16:38:00	16:38:00	68.4	84	70.5	67.1	10:03 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	11220184.54
16:39:00	16:39:00	68	85.3	71.1	66.6	10:04 AM	6309573.44	68	6309573.44	68.0	6309573.44	12882495.52
16:40:00	16:40:00	68.7	84	71.7	66.8	10:05 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	14791083.88
16:41:00	16:41:00	68.5	84.3	70.9	66.9	10:06 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	12302687.71
16:42:00	16:42:00	67.3	84.5	68.5	65.6	10:07 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	7079457.84
16:43:00	16:43:00	68.1	84.7	71.1	66.7	10:08 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	12882495.52
16:44:00	16:44:00	67.5	83.4	69.4	65.8	10:09 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	8709635.90
16:45:00	16:45:00	68.1	83.6	70.1	67	10:10 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	10232929.92
16:46:00	16:46:00	67.9	82.5	70.3	66.6	10:11 AM	6165950.02	67.9	6165950.02	67.9	6165950.02	10715193.05
16:47:00	16:47:00	68	83.6	70	66.3	10:12 AM	6309573.44	68	6309573.44	68.0	6309573.44	10000000.00
16:48:00	16:48:00	69.3	86.5	73.7	67.6	10:13 AM	8511380.38	69.3	8511380.38	69.3	8511380.38	23442288.15
16:49:00	16:49:00	68.7	85.4	70.8	67.4	10:14 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	12022644.35
16:50:00	16:50:00	68.4	84	71	66.8	10:15 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	12589254.12
16:51:00	16:51:00	68.4	82.9	70.8	66.9	10:16 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	12022644.35
16:52:00	16:52:00	68	84	70.8	66.5	10:17 AM	6309573.44	68	6309573.44	68.0	6309573.44	12022644.35
16:53:00	16:53:00	68.5	84.3	70.6	67.3	10:18 AM	7079457.84	68.5	7079457.84	68.5	7079457.84	11481536.21
16:54:00	16:54:00	69.4	87.3	73.6	67.6	10:19 AM	8709635.90	69.4	8709635.90	69.4	8709635.90	22908676.53
16:55:00	16:55:00	68.3	83.4	71.5	67	10:20 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	14125375.45
16:56:00	16:56:00	67.8	83.2	71	65.5	10:21 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	12589254.12
16:57:00	16:57:00	67.7	82.5	69.8	65.5	10:22 AM	5888436.55	67.7	5888436.55	67.7	5888436.55	9549925.86
16:58:00	16:58:00	67.2	85.2	69.3	66.2	10:23 AM	5248074.60	67.2	5248074.60	67.2	5248074.60	8511380.38
16:59:00	16:59:00	67.4	84.3	69.1	65.8	10:24 AM						

Data

17:26:00	17:26:00	67.5	81.9	69.2	66.5	10:51 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	8317637.71
17:27:00	17:27:00	67.5	83.2	69.3	65.9	10:52 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	8511380.38
17:28:00	17:28:00	66.8	85.1	68	65.9	10:53 AM	4786300.92	66.8	4786300.92	66.8	4786300.92	6309573.44
17:29:00	17:29:00	67.1	82.3	68.1	66	10:54 AM	5128613.84	67.1	5128613.84	67.1	5128613.84	6456542.29
17:30:00	17:30:00	67.2	84.9	70	65.6	10:55 AM	5248074.60	67.2	5248074.60	67.2	5248074.60	10000000.00
17:31:00	17:31:00	68	83.1	69.8	66.5	10:56 AM	6309573.44	68	6309573.44	68.0	6309573.44	9549925.86
17:32:00	17:32:00	67.3	85	69.2	65.6	10:57 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	8317637.71
17:33:00	17:33:00	67.3	81.9	69.3	66.3	10:58 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	8511380.38
17:34:00	17:34:00	67	82.9	69.8	65.8	10:59 AM	5011872.34	67	5011872.34	67.0	5011872.34	9549925.86
17:35:00	17:35:00	66.8	83.8	68.3	65.7	11:00 AM	4786300.92	66.8	4786300.92	66.8	4786300.92	6760829.75
17:36:00	17:36:00	67	81.2	67.8	66.3	11:01 AM	5011872.34	67	5011872.34	67.0	5011872.34	6025595.86
17:37:00	17:37:00	68.8	85.5	71	67.3	11:02 AM	7585775.75	68.8	7585775.75	68.8	7585775.75	12589254.12
17:38:00	17:38:00	68.3	84.4	72.1	66.4	11:03 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	16218100.97
17:39:00	17:39:00	68.1	82.8	69.6	66.6	11:04 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	9120108.39
17:40:00	17:40:00	68	81.9	69.2	67.2	11:05 AM	6309573.44	68	6309573.44	68.0	6309573.44	8317637.71
17:41:00	17:41:00	67.2	81.7	70.5	65.9	11:06 AM	5248074.60	67.2	5248074.60	67.2	5248074.60	11220184.54
17:42:00	17:42:00	67	83.9	69.4	65.6	11:07 AM	5011872.34	67	5011872.34	67.0	5011872.34	8709635.90
17:43:00	17:43:00	67.3	84	70	65.8	11:08 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	10000000.00
17:44:00	17:44:00	67.4	84.4	69.7	65.7	11:09 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	9332543.01
17:45:00	17:45:00	67.9	85.7	69.7	66.5	11:10 AM	6165950.02	67.9	6165950.02	67.9	6165950.02	9332543.01
17:46:00	17:46:00	67.8	82	70.3	66.2	11:11 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	10715193.05
17:47:00	17:47:00	67.9	82.1	70.1	66.3	11:12 AM	6165950.02	67.9	6165950.02	67.9	6165950.02	10232929.92
17:48:00	17:48:00	67.8	82.8	69.3	66	11:13 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	8511380.38
17:49:00	17:49:00	67.5	84	69.2	65.9	11:14 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	8317637.71
17:50:00	17:50:00	66.6	81.3	68.2	65.6	11:15 AM	4570881.90	66.6	4570881.90	66.6	4570881.90	6606934.48
17:51:00	17:51:00	67.4	83.5	70	65.7	11:16 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	10000000.00
17:52:00	17:52:00	67.4	84.4	68.7	66.4	11:17 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	7413102.41
17:53:00	17:53:00	67.8	82.9	69.6	66.1	11:18 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	9120108.39
17:54:00	17:54:00	68.2	83.8	70.4	66.7	11:19 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	10964781.96
17:55:00	17:55:00	71.1	93.7	77.6	67	11:20 AM	12882495.52	71.1	12882495.52	71.1	12882495.52	57543993.73
17:56:00	17:56:00	67.3	82.5	69.5	66.2	11:21 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	8912509.38
17:57:00	17:57:00	68.4	82.7	70.7	67.2	11:22 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	11748975.55
17:58:00	17:58:00	68.1	83.3	69.8	67.1	11:23 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	9549925.86
17:59:00	17:59:00	68.7	88.4	72.3	66.6	11:24 AM	7413102.41	68.7	7413102.41	68.7	7413102.41	16982436.52
18:00:00	18:00:00	68.4	83.8	71.1	67.1	11:25 AM	6918309.71	68.4	6918309.71	68.4	6918309.71	12882495.52
18:01:00	18:01:00	68.6	92.5	74.2	66.6	11:26 AM	7244359.60	68.6	7244359.60	68.6	7244359.60	26302679.92
18:02:00	18:02:00	67.9	85.5	70.7	66	11:27 AM	6165950.02	67.9	6165950.02	67.9	6165950.02	11748975.55
18:03:00	18:03:00	66.6	83.3	69.4	65.2	11:28 AM	4570881.90	66.6	4570881.90	66.6	4570881.90	8709635.90
18:04:00	18:04:00	66.7	83.1	68.9	65.3	11:29 AM	4677351.41	66.7	4677351.41	66.7	4677351.41	7762471.17
18:05:00	18:05:00	67.6	82.1	69.4	65.8	11:30 AM	5754399.37	67.6	5754399.37	67.6	5754399.37	8709635.90
18:06:00	18:06:00	71.4	103	82.3	65.2	11:31 AM	13803842.65	71.4	13803842.65	71.4	13803842.65	16982436.52
18:07:00	18:07:00	67	83.4	70.3	65.3	11:32 AM	5011872.34	67	5011872.34	67.0	5011872.34	10715193.05
18:08:00	18:08:00	66.9	81.2	68.3	65.9	11:33 AM	4897788.19	66.9	4897788.19	66.9	4897788.19	6760829.75
18:09:00	18:09:00	67.2	81.5	68.6	66	11:34 AM	5248074.60	67.2	5248074.60	67.2	5248074.60	7244359.60
18:10:00	18:10:00	65.9	85.8	67.9	64.5	11:35 AM	3890451.45	65.9	3890451.45	65.9	3890451.45	6165950.02
18:11:00	18:11:00	66.9	83.1	68.2	65.5	11:36 AM	4897788.19	66.9	4897788.19	66.9	4897788.19	6606934.48
18:12:00	18:12:00	68.1	83.3	70.2	67.1	11:37 AM	6456542.29	68.1	6456542.29	68.1	6456542.29	10471285.48
18:13:00	18:13:00	67.3	82.1	68.7	65.4	11:38 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	7413102.41
18:14:00	18:14:00	67.8	85.2	69.1	66.8	11:39 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	8128305.16
18:15:00	18:15:00	67.2	84.4	68.9	65.3	11:40 AM	5248074.60	67.2	5248074.60	67.2	5248074.60	7762471.17
18:16:00	18:16:00	67.7	82.4	69.6	66.1	11:41 AM	5888436.55	67.7	5888436.55	67.7	5888436.55	9120108.39
18:17:00	18:17:00	67.9	82	70.5	66.7	11:42 AM	6165950.02	67.9	6165950.02	67.9	6165950.02	11220184.54
18:18:00	18:18:00	67.8	83	69.7	66.1	11:43 AM	6025595.86	67.8	6025595.86	67.8	6025595.86	9332543.01
18:19:00	18:19:00	67.1	81.6	69.9	66	11:44 AM	5128613.84	67.1	5128613.84	67.1	5128613.84	9772372.21
18:20:00	18:20:00	67	84.6	68.7	66.3	11:45 AM	5011872.34	67	5011872.34	67.0	5011872.34	7413102.41
18:21:00	18:21:00	68.3	84.8	70.6	67.3	11:46 AM	6760829.75	68.3	6760829.75	68.3	6760829.75	11481536.21
18:22:00	18:22:00	67.2	82.8	69.3	65.6	11:47 AM	5248074.60	67.2	5248074.60	67.2	5248074.60	8511380.38
18:23:00	18:23:00	67.5	81.9	68.9	65.5	11:48 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	7762471.17
18:24:00	18:24:00	67.7	83.5	69.4	66.6	11:49 AM	5888436.55	67.7	5888436.55	67.7	5888436.55	8709635.90
18:25:00	18:25:00	67.2	82.9	70	65.5	11:50 AM	5248074.60	67.2	5248074.60	67.2	5248074.60	10000000.00
18:26:00	18:26:00	67.5	83.6	68.9	66	11:51 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	7762471.17
18:27:00	18:27:00	67.4	85.2	69.1	66.3	11:52 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	8128305.16
18:28:00	18:28:00	67.4	83.5	68.5	66.6	11:53 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	7079457.84
18:29:00	18:29:00	67.6	84.5	69.4	66.1	11:54 AM	5754399.37	67.6	5754399.37	67.6	5754399.37	8709635.90
18:30:00	18:30:00	66.9	83.2	69	65.4	11:55 AM	4897788.19	66.9	4897788.19	66.9	4897788.19	7943282.35
18:31:00	18:31:00	67.5	83.1	69.5	66.4	11:56 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	8912509.38
18:32:00	18:32:00	66.8	82.9	69.1	65.2	11:57 AM	4786300.92	66.8	4786300.92	66.8	4786300.92	8128305.16
18:33:00	18:33:00	66.6	82.3	68	65.6	11:58 AM	4570881.90	66.6	4570881.90	66.6	4570881.90	6309573.44
18:34:00	18:34:00	67.5	82.1	69	66.1	11:59 AM	5623413.25	67.5	5623413.25	67.5	5623413.25	7943282.35
18:35:00	18:35:00	68.2	84.4	69.8	67	12:00 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	9549925.86
18:36:00	18:36:00	67.6	83.5	69.1	66.3	12:01 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	8128305.16
18:37:00	18:37:00	67.5	85.3	69.6	66.4	12:02 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	9120108.39
18:38:00	18:38:00	66.8	84.4	68.8	65.5	12:03 PM	4786300.92	66.8	4786300.92	66.8	4786300.92	7585775.75
18:39:00	18:39:00	67.7	81.8	69.2	66.7	12:04 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	8317637.71
18:40:00	18:40:00	68	89.6	74.2	65.5	12:05 PM	6309573.44	68	6309573.44	68.0	6309573.44	26302679.92
18:41:00	18:41:00	67.6	84.4	69.2	66.5	12:06 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	8317637.71
18:42:00	18:42:00	66.7	83.9	68.7	65	12:07 PM	4677351.41	66.7	4677351.41	66.7	4677351.41	7413102.41
18:43:00	18:43:00	66.8	82.4	68.8	64	12:08 PM	4786300.92	66.8	4786300.92	66.8	4786300.92	7585775.75
18:44:00	18:44:00	67.9	84	69.8	66.9	12:09 PM	6165950.02					

Data

19:11:00	19:11:00	67.8	82.4	70	66.2	12:36 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	10000000.00
19:12:00	19:12:00	67.9	83.8	70.6	66	12:37 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	11481536.21
19:13:00	19:13:00	67	84.7	68.7	65.2	12:38 PM	5011872.34	67	5011872.34	67.9	5011872.34	7413102.41
19:14:00	19:14:00	67.9	85.2	70.7	65.2	12:39 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	11748975.55
19:15:00	19:15:00	67.6	84.6	69.9	65.6	12:40 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	9772372.21
19:16:00	19:16:00	68	85.6	72.6	66.2	12:41 PM	6309573.44	68	6309573.44	68.0	6309573.44	18197008.59
19:17:00	19:17:00	68.4	84.2	71.3	66.6	12:42 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	13489628.83
19:18:00	19:18:00	68.4	86.2	70.9	67.1	12:43 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	12302687.71
19:19:00	19:19:00	67.5	83.3	71.1	66.2	12:44 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	12882495.52
19:20:00	19:20:00	68	83.9	71.4	66.5	12:45 PM	6309573.44	68	6309573.44	68.0	6309573.44	13803842.65
19:21:00	19:21:00	67.4	85.3	69.8	66.4	12:46 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	9549925.86
19:22:00	19:22:00	68.1	84	69.8	66.8	12:47 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	9549925.86
19:23:00	19:23:00	71.3	92.5	79.9	66.7	12:48 PM	13489628.83	71.3	13489628.83	71.3	13489628.83	97723722.10
19:24:00	19:24:00	68.3	83.7	70.2	67.1	12:49 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	10471285.48
19:25:00	19:25:00	69.1	88.8	76.9	66.8	12:50 PM	8128305.16	69.1	8128305.16	69.1	8128305.16	48977881.94
19:26:00	19:26:00	67.5	83.6	68.7	66.5	12:51 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	7413102.41
19:27:00	19:27:00	68	86.2	69.7	66.9	12:52 PM	6309573.44	68	6309573.44	68.0	6309573.44	9332543.01
19:28:00	19:28:00	67.6	86.6	70	65.9	12:53 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	10000000.00
19:29:00	19:29:00	69.7	89	75.4	66.8	12:54 PM	9332543.01	69.7	9332543.01	69.7	9332543.01	34673685.05
19:30:00	19:30:00	67.1	91.2	70.5	65.6	12:55 PM	5128613.84	67.1	5128613.84	67.1	5128613.84	11220184.54
19:31:00	19:31:00	69.1	93.5	72.1	65.7	12:56 PM	8128305.16	69.1	8128305.16	69.1	8128305.16	16218100.97
19:32:00	19:32:00	68.2	85.3	70.6	66.9	12:57 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	11481536.21
19:33:00	19:33:00	67.6	85.8	69	66.5	12:58 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7943282.35
19:34:00	19:34:00	68.3	83.2	70.6	67.2	12:59 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	11481536.21
19:35:00	19:35:00	68.1	86	70.5	66.6	1:00 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	11220184.54
19:36:00	19:36:00	69	87.7	73.2	67.1	1:01 PM	7943282.35	69	7943282.35	69.0	7943282.35	20892961.31
19:37:00	19:37:00	67.6	82.4	69	66.8	1:02 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7943282.35
19:38:00	19:38:00	68.2	89.3	70.8	67.1	1:03 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	12022644.35
19:39:00	19:39:00	68.6	89.2	71.6	66.4	1:04 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	14454397.71
19:40:00	19:40:00	67.4	82.9	70.5	65.7	1:05 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	11220184.54
19:41:00	19:41:00	68.2	94.7	74.5	66	1:06 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	28183829.31
19:42:00	19:42:00	67.8	85.9	69.7	66.7	1:07 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	9332543.01
19:43:00	19:43:00	67.2	85.7	69	66.8	1:08 PM	5248074.60	67.2	5248074.60	67.2	5248074.60	7943282.35
19:44:00	19:44:00	68.3	86.4	73.2	64.6	1:09 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	20892961.31
19:45:00	19:45:00	66.9	84.4	69.6	65	1:10 PM	4897788.19	66.9	4897788.19	66.9	4897788.19	9120108.39
19:46:00	19:46:00	66.9	85.5	68.3	65.8	1:11 PM	4897788.19	66.9	4897788.19	66.9	4897788.19	6760829.75
19:47:00	19:47:00	67.9	84.8	70.7	66.2	1:12 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	11748975.55
19:48:00	19:48:00	67	84.4	69.2	65.6	1:13 PM	5011872.34	67	5011872.34	67.0	5011872.34	8317637.71
19:49:00	19:49:00	67.1	81.8	68.6	65.8	1:14 PM	5128613.84	67.1	5128613.84	67.1	5128613.84	7244359.60
19:50:00	19:50:00	67.6	82.9	69	66.4	1:15 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7943282.35
19:51:00	19:51:00	67.2	83.3	68.8	66.1	1:16 PM	5248074.60	67.2	5248074.60	67.2	5248074.60	7585775.75
19:52:00	19:52:00	68.1	84.3	69.9	67	1:17 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	9772372.21
19:53:00	19:53:00	66.6	81	67.9	65.6	1:18 PM	4570881.90	66.6	4570881.90	66.6	4570881.90	6165950.02
19:54:00	19:54:00	67.7	85.3	73.7	66	1:19 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	23442288.15
19:55:00	19:55:00	68	85.4	69.5	66.5	1:20 PM	6309573.44	68	6309573.44	68.0	6309573.44	8912509.38
19:56:00	19:56:00	67.2	87.2	68.2	66.4	1:21 PM	5248074.60	67.2	5248074.60	67.2	5248074.60	6606934.48
19:57:00	19:57:00	68.1	83.7	70.2	66.6	1:22 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10471285.48
19:58:00	19:58:00	67.4	83.6	69.9	65.6	1:23 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	9772372.21
19:59:00	19:59:00	67.3	85.1	69.1	65.4	1:24 PM	5370317.96	67.3	5370317.96	67.3	5370317.96	8128305.16
20:00:00	20:00:00	67.5	85	70.7	64.9	1:25 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	11748975.55
20:01:00	20:01:00	67.7	83.2	69.4	66.6	1:26 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	8709635.90
20:02:00	20:02:00	67.1	85.4	68.7	65.1	1:27 PM	5128613.84	67.1	5128613.84	67.1	5128613.84	7413102.41
20:03:00	20:03:00	67	83.9	68.8	66.1	1:28 PM	5011872.34	67	5011872.34	67.0	5011872.34	7585775.75
20:04:00	20:04:00	67.8	84.4	69.4	66.6	1:29 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	8709635.90
20:05:00	20:05:00	67.2	84.6	68.9	65.9	1:30 PM	5248074.60	67.2	5248074.60	67.2	5248074.60	7762471.17
20:06:00	20:06:00	67.8	85.2	71.2	66	1:31 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	13182567.39
20:07:00	20:07:00	69.9	95.6	75	67.5	1:32 PM	9772372.21	69.9	9772372.21	69.9	9772372.21	31622776.60
20:08:00	20:08:00	72.2	92.4	76.7	69	1:33 PM	16595869.07	72.2	16595869.07	72.2	16595869.07	46773514.13
20:09:00	20:09:00	75.8	93.3	78.2	70.8	1:34 PM	38018939.63	75.8	38018939.63	75.8	38018939.63	6606934.48
20:10:00	20:10:00	76.8	93.4	79.6	71	1:35 PM	47863009.23	76.8	47863009.23	76.8	47863009.23	91201083.94
20:11:00	20:11:00	77.8	92.5	79.5	71	1:36 PM	6025595.86	77.8	6025595.86	77.8	6025595.86	8912509.38
20:12:00	20:12:00	77.1	91.27	79.2	71	1:37 PM	51286138.40	77.1	51286138.40	77.1	51286138.40	8317637.71
20:13:00	20:13:00	75.7	100.4	82.9	70.8	1:38 PM	37153522.91	75.7	37153522.91	75.7	37153522.91	19498445.98
20:14:00	20:14:00	71.7	89.3	72.6	69.9	1:39 PM	14791083.88	71.7	14791083.88	71.7	14791083.88	18197008.59
20:15:00	20:15:00	72.1	86.6	73.1	71.1	1:40 PM	16218100.97	72.1	16218100.97	72.1	16218100.97	20417379.45
20:16:00	20:16:00	70.9	88.1	74.7	67.4	1:41 PM	12302687.71	70.9	12302687.71	70.9	12302687.71	29512092.27
20:17:00	20:17:00	68.1	87.6	70.7	66.1	1:42 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	11748975.55
20:18:00	20:18:00	67.8	84	70.2	66.8	1:43 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	10471285.48
20:19:00	20:19:00	69.4	88	73.3	67.4	1:44 PM	8709635.90	69.4	8709635.90	69.4	8709635.90	21379620.90
20:20:00	20:20:00	67.8	85.2	69.2	66.9	1:45 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	8317637.71
20:21:00	20:21:00	67.6	84	69.2	66.3	1:46 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	8317637.71
20:22:00	20:22:00	67.6	83	68.6	66.7	1:47 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7244359.60
20:23:00	20:23:00	67.7	87	68.5	66.9	1:48 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7079457.84
20:24:00	20:24:00	67.1	84.6	68.9	65.8	1:49 PM	5128613.84	67.1	5128613.84	67.1	5128613.84	7762471.17
20:25:00	20:25:00	67.7	82.3	70.4	66.7	1:50 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	10964781.96
20:26:00	20:26:00	67.6	81.4	69	66.6	1:51 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7943282.35
20:27:00	20:27:00	67.5	86	68.6	66.6	1:52 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	7244359.60
20:28:00	20:28:00	67.9	82.3	69.5	66.9	1:53 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	8912509.38
20:29:00	20:29:00	67.7	82.8	70.1	65.9	1:54 PM	5888436.55	67.7	5888436.55			

Data

20:56:00	20:56:00	69	86	71.3	66.4	2:21 PM	7943282.35	69	7943282.35	69.0	7943282.35	13489628.83
20:57:00	20:57:00	67.8	85.8	70.6	66.4	2:22 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	11481536.21
20:58:00	20:58:00	67.7	82.4	68.7	67.1	2:23 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7413102.41
20:59:00	20:59:00	67.5	84.8	69.5	66.6	2:24 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	8912509.38
21:00:00	21:00:00	67.2	84.1	69.1	66.1	2:25 PM	5248074.60	67.2	5248074.60	67.2	5248074.60	8128305.16
21:01:00	21:01:00	67.7	84.9	69.3	66.1	2:26 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	8511380.38
21:02:00	21:02:00	67.3	84.2	68.4	66.3	2:27 PM	5370317.96	67.3	5370317.96	67.3	5370317.96	6918309.71
21:03:00	21:03:00	67.3	81.2	68.4	66.4	2:28 PM	5370317.96	67.3	5370317.96	67.3	5370317.96	6918309.71
21:04:00	21:04:00	67.3	85	68.6	66.2	2:29 PM	5370317.96	67.3	5370317.96	67.3	5370317.96	7244359.60
21:05:00	21:05:00	67.4	88.1	69.4	66	2:30 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	8709635.90
21:06:00	21:06:00	67.5	84.1	70.9	66.3	2:31 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	12302687.71
21:07:00	21:07:00	67.1	85.1	68.8	65.8	2:32 PM	5128613.84	67.1	5128613.84	67.1	5128613.84	7585775.75
21:08:00	21:08:00	67.8	87.3	69.2	66.9	2:33 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	8317637.71
21:09:00	21:09:00	67.8	81.8	69.6	66.9	2:34 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	9120108.39
21:10:00	21:10:00	68.1	84.8	70.3	66.4	2:35 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10715193.05
21:11:00	21:11:00	67.8	85.8	69.2	66.8	2:36 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	8317637.71
21:12:00	21:12:00	67.1	83.6	69.1	65.7	2:37 PM	5128613.84	67.1	5128613.84	67.1	5128613.84	8128305.16
21:13:00	21:13:00	67.2	85.4	69.8	65.8	2:38 PM	5248074.60	67.2	5248074.60	67.2	5248074.60	9549925.86
21:14:00	21:14:00	67.4	83.2	69.6	66.4	2:39 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	9120108.39
21:15:00	21:15:00	67.8	85.4	70.7	66	2:40 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	11748975.55
21:16:00	21:16:00	67.4	85.4	69.1	66	2:41 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	8128305.16
21:17:00	21:17:00	67.9	86.7	69.9	66.7	2:42 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	9772372.21
21:18:00	21:18:00	67.7	84.6	68.6	67	2:43 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7244359.60
21:19:00	21:19:00	68	85.4	71.7	66.4	2:44 PM	6309573.44	68	6309573.44	68.0	6309573.44	14791083.88
21:20:00	21:20:00	67.3	81.6	69.2	66	2:45 PM	5370317.96	67.3	5370317.96	67.3	5370317.96	8317637.71
21:21:00	21:21:00	67.7	86	69.4	66.4	2:46 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	8709635.90
21:22:00	21:22:00	67.8	82.5	69.9	66.8	2:47 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	9772372.21
21:23:00	21:23:00	67.6	83.9	70	66.4	2:48 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	10000000.00
21:24:00	21:24:00	69	88.7	72.1	66.2	2:49 PM	7943282.35	69	7943282.35	69.0	7943282.35	16218100.97
21:25:00	21:25:00	67.6	84.1	69.2	66.4	2:50 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	8317637.71
21:26:00	21:26:00	67.4	85.1	69.3	65.7	2:51 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	8511380.38
21:27:00	21:27:00	68.5	84.7	72.3	67.2	2:52 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	16982436.52
21:28:00	21:28:00	67.9	84	69.8	66.1	2:53 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	9549925.86
21:29:00	21:29:00	68.3	84	70.1	66	2:54 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	10232929.92
21:30:00	21:30:00	68	85.1	69.8	66.8	2:55 PM	6309573.44	68	6309573.44	68.0	6309573.44	9549925.86
21:31:00	21:31:00	67.7	84	69.4	66.4	2:56 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	8709635.90
21:32:00	21:32:00	68.3	82.7	70.4	67.1	2:57 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	10964781.96
21:33:00	21:33:00	68	85.8	71.5	66.5	2:58 PM	6309573.44	68	6309573.44	68.0	6309573.44	14125375.45
21:34:00	21:34:00	67.6	83.5	69.5	66.4	2:59 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	8912509.38
21:35:00	21:35:00	67.9	85.3	69.9	66.3	3:00 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	9772372.21
21:36:00	21:36:00	67.7	85.6	71.2	65.7	3:01 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	13182567.39
21:37:00	21:37:00	66.4	82.6	68.5	65	3:02 PM	4365158.32	66.4	4365158.32	66.4	4365158.32	7079457.84
21:38:00	21:38:00	67.6	85.8	70.5	66.6	3:03 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	11220184.54
21:39:00	21:39:00	68.5	84.7	70	67.1	3:04 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	10000000.00
21:40:00	21:40:00	67.8	83.6	69.8	66.7	3:05 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	9549925.86
21:41:00	21:41:00	68.1	86.5	71.6	66.8	3:06 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	14454397.71
21:42:00	21:42:00	68.2	87.8	71.2	67.2	3:07 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	13182567.39
21:43:00	21:43:00	67.7	82.9	69.5	66.5	3:08 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	8912509.38
21:44:00	21:44:00	69.3	86.5	72.2	67.8	3:09 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	16595869.07
21:45:00	21:45:00	70.7	97.2	78.1	67.5	3:10 PM	11748975.55	70.7	11748975.55	70.7	11748975.55	64565422.90
21:46:00	21:46:00	68.9	92.7	78	66.7	3:11 PM	7762471.17	68.9	7762471.17	68.9	7762471.17	63095734.45
21:47:00	21:47:00	67.7	84.6	69	66.2	3:12 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7943282.35
21:48:00	21:48:00	66.9	83	69.4	65.1	3:13 PM	4897788.19	66.9	4897788.19	66.9	4897788.19	8709635.90
21:49:00	21:49:00	67.2	84.9	69.3	65.7	3:14 PM	5248074.60	67.2	5248074.60	67.2	5248074.60	8511380.38
21:50:00	21:50:00	66.9	85.2	68.6	65.8	3:15 PM	4897788.19	66.9	4897788.19	66.9	4897788.19	7244359.60
21:51:00	21:51:00	67.1	84.2	70.2	66	3:16 PM	5128613.84	67.1	5128613.84	67.1	5128613.84	10471285.48
21:52:00	21:52:00	67.8	85	70.6	65.9	3:17 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	11481536.21
21:53:00	21:53:00	67.4	82	69.3	66	3:18 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	8511380.38
21:54:00	21:54:00	69.2	88.6	74	66.8	3:19 PM	8317637.71	69.2	8317637.71	69.2	8317637.71	25118864.32
21:55:00	21:55:00	67.9	86.1	70.7	65.6	3:20 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	11748975.55
21:56:00	21:56:00	68.1	85.7	70	67.3	3:21 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10000000.00
21:57:00	21:57:00	68.7	87.4	73.9	66.9	3:22 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	24547089.16
21:58:00	21:58:00	67.6	83.8	70.8	66.1	3:23 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	12022644.35
21:59:00	21:59:00	68	87.9	73.1	66	3:24 PM	6309573.44	68	6309573.44	68.0	6309573.44	20417379.45
22:00:00	22:00:00	67.8	90.4	75.5	66	3:25 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	35481338.92
22:01:00	22:01:00	67.1	81.3	69.2	65.9	3:26 PM	5128613.84	67.1	5128613.84	67.1	5128613.84	8317637.71
22:02:00	22:02:00	67.2	84.4	68.7	66.2	3:27 PM	5248074.60	67.2	5248074.60	67.2	5248074.60	7413102.41
22:03:00	22:03:00	67.4	82.4	68.4	66.3	3:28 PM	5495408.74	67.4	5495408.74	67.4	5495408.74	6918309.71
22:04:00	22:04:00	66.9	83.5	68	65.6	3:29 PM	4897788.19	66.9	4897788.19	66.9	4897788.19	6309573.44
22:05:00	22:05:00	67.7	86.9	71.1	66.5	3:30 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	12882495.52
22:06:00	22:06:00	68	85.7	70.3	65.8	3:31 PM	6309573.44	68	6309573.44	68.0	6309573.44	10715193.05
22:07:00	22:07:00	69.7	90	71.2	68	3:32 PM	9332543.01	69.7	9332543.01	69.7	9332543.01	13182567.39
22:08:00	22:08:00	68.6	85.7	70.3	67.3	3:33 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	10715193.05
22:09:00	22:09:00	68.2	83.6	70	67	3:34 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	10000000.00
22:10:00	22:10:00	67.7	83.8	69	66.9	3:35 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7943282.35
22:11:00	22:11:00	68.2	86.3	70.9	66.8	3:36 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	12302687.71
22:12:00	22:12:00	68.4	83.1	69.6	67.1	3:37 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	9120108.39
22:13:00	22:13:00	68.2	85.7	70.1	66.9	3:38 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	10232929.92
22:14:00	22:14:00	68.3	85.7	69.5	66.7	3:39 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	8912509.38
22:15:0												

22:41:00	22:41:00	67.6	84.3	68.9	66.6	4:06 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	7762471.17
22:42:00	22:42:00	67.8	83.7	70.3	66.4	4:07 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	10715193.05
22:43:00	22:43:00	68.2	82.8	70	67.1	4:08 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	10000000.00
22:44:00	22:44:00	67.8	84.2	68.9	66.5	4:09 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7762471.17
22:45:00	22:45:00	67.9	84.3	69.5	66.5	4:10 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	8912509.38
22:46:00	22:46:00	67.5	82	69	66.3	4:11 PM	5623413.25	67.5	5623413.25	67.5	5623413.25	7943282.35
22:47:00	22:47:00	68.6	83.3	70.6	67.3	4:12 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	11481536.21
22:48:00	22:48:00	68	82	69.1	67.2	4:13 PM	6309573.44	68	6309573.44	68.0	6309573.44	8128305.16
22:49:00	22:49:00	68.2	83.3	69.6	67.4	4:14 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	9120108.39
22:50:00	22:50:00	67.7	83.7	69.1	66.3	4:15 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	8128305.16
22:51:00	22:51:00	68.4	83.5	70.3	67	4:16 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	10715193.05
22:52:00	22:52:00	69.1	91.1	74.7	66.9	4:17 PM	8128305.16	69.1	8128305.16	69.1	8128305.16	29512092.27
22:53:00	22:53:00	69.3	94	76.2	65.7	4:18 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	41686938.35
22:54:00	22:54:00	68.3	85.4	69.6	67.2	4:19 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	9120108.39
22:55:00	22:55:00	68	85	71.3	66.7	4:20 PM	6309573.44	68	6309573.44	68.0	6309573.44	13489628.83
22:56:00	22:56:00	69.7	89.3	72.8	67.5	4:21 PM	9332543.01	69.7	9332543.01	69.7	9332543.01	19054607.18
22:57:00	22:57:00	68	84.1	68.9	67.2	4:22 PM	6309573.44	68	6309573.44	68.0	6309573.44	7762471.17
22:58:00	22:58:00	67.8	84.7	69	66.7	4:23 PM	6025595.86	67.8	6025595.86	67.8	6025595.86	7943282.35
22:59:00	22:59:00	68.2	84.7	69.4	67.2	4:24 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	8709635.90
23:00:00	23:00:00	68.1	84.4	69.2	67.2	4:25 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	8317637.71
23:01:00	23:01:00	68.4	83.7	69.8	67.1	4:26 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	9549925.86
23:02:00	23:02:00	68.2	83	69.9	67	4:27 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	9772372.21
23:03:00	23:03:00	68.3	83.1	69.4	67.2	4:28 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	8709635.90
23:04:00	23:04:00	68.2	83.7	69.6	67	4:29 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	9120108.39
23:05:00	23:05:00	68.2	84.5	70.3	66.3	4:30 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	10715193.05
23:06:00	23:06:00	68.6	84.6	71.5	67.1	4:31 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	14125375.45
23:07:00	23:07:00	68.7	85.6	70.4	67.5	4:32 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	10964781.96
23:08:00	23:08:00	68.4	86.8	69.5	67.6	4:33 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	8912509.38
23:09:00	23:09:00	68.2	85.8	69.8	67.1	4:34 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	9549925.86
23:10:00	23:10:00	68.5	83.5	70	67.3	4:35 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	10000000.00
23:11:00	23:11:00	68	83.2	69.2	66.8	4:36 PM	6309573.44	68	6309573.44	68.0	6309573.44	8317637.71
23:12:00	23:12:00	68.1	85.4	70.3	66.6	4:37 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	10715193.05
23:13:00	23:13:00	68.4	86.3	70.5	66.7	4:38 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	11220184.54
23:14:00	23:14:00	68.2	84.8	69	67.2	4:39 PM	6606934.48	68.2	6606934.48	68.2	6606934.48	7943282.35
23:15:00	23:15:00	68.1	84.2	69.8	67.2	4:40 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	9549925.86
23:16:00	23:16:00	67.7	83.5	68.8	66.3	4:41 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	7585775.75
23:17:00	23:17:00	68.1	85	69.8	66.8	4:42 PM	6456542.29	68.1	6456542.29	68.1	6456542.29	9549925.86
23:18:00	23:18:00	68.6	83.2	70.5	67.1	4:43 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	11220184.54
23:19:00	23:19:00	68.8	85.9	71	67.6	4:44 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	12589254.12
23:20:00	23:20:00	68.3	84.8	72.6	67.3	4:45 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	18197008.59
23:21:00	23:21:00	68.8	84	70.6	68	4:46 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	11481536.21
23:22:00	23:22:00	68.7	85.2	71.1	66.4	4:47 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	12882495.52
23:23:00	23:23:00	68.7	83.2	71.1	67.3	4:48 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	12882495.52
23:24:00	23:24:00	68.7	86.2	70.6	67.8	4:49 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	11481536.21
23:25:00	23:25:00	68.8	84.4	70.6	67.9	4:50 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	11481536.21
23:26:00	23:26:00	68.5	85.6	70.4	67.6	4:51 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	10964781.96
23:27:00	23:27:00	69.6	85.2	71.8	67.6	4:52 PM	9120108.39	69.6	9120108.39	69.6	9120108.39	15135612.48
23:28:00	23:28:00	70.2	87.9	76	67.2	4:53 PM	10471285.48	70.2	10471285.48	70.2	10471285.48	39810717.06
23:29:00	23:29:00	69.7	88.3	74.1	67.7	4:54 PM	9332543.01	69.7	9332543.01	69.7	9332543.01	25703957.83
23:30:00	23:30:00	69.1	85	70.6	67.9	4:55 PM	8128305.16	69.1	8128305.16	69.1	8128305.16	11481536.21
23:31:00	23:31:00	72.2	89.3	76.5	68.4	4:56 PM	16595869.07	72.2	16595869.07	72.2	16595869.07	44668359.22
23:32:00	23:32:00	68.7	86.5	70.1	67.3	4:57 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	10232929.92
23:33:00	23:33:00	69.2	86	74.1	67.5	4:58 PM	8317637.71	69.2	8317637.71	69.2	8317637.71	25703957.83
23:34:00	23:34:00	69.3	84.4	71.9	67.9	4:59 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	15488166.19
23:35:00	23:35:00	69.6	84.9	70.9	68.2	5:00 PM	9120108.39	69.6	9120108.39	69.6	9120108.39	12302687.71
23:36:00	23:36:00	69.3	84.4	70.8	67.8	5:01 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	12022644.35
23:37:00	23:37:00	69	84.2	71.8	67.7	5:02 PM	7943282.35	69	7943282.35	69.0	7943282.35	15135612.48
23:38:00	23:38:00	68.9	86.1	71.3	67.3	5:03 PM	7762471.17	68.9	7762471.17	68.9	7762471.17	13489628.83
23:39:00	23:39:00	68.8	84.8	72.1	67.3	5:04 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	16218100.97
23:40:00	23:40:00	68.5	85.5	71.1	67.1	5:05 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	12882495.52
23:41:00	23:41:00	68.7	83.6	70.2	67.8	5:06 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	10471285.48
23:42:00	23:42:00	68.7	83.8	71.3	67.4	5:07 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	13489628.83
23:43:00	23:43:00	69.4	85.2	71.6	68.2	5:08 PM	8709635.90	69.4	8709635.90	69.4	8709635.90	14454397.71
23:44:00	23:44:00	69.1	84	72.1	68.2	5:09 PM	8128305.16	69.1	8128305.16	69.1	8128305.16	16218100.97
23:45:00	23:45:00	68.5	84.9	72	67.1	5:10 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	15848931.92
23:46:00	23:46:00	68.6	84.2	70.1	67.5	5:11 PM	7244359.60	68.6	7244359.60	68.6	7244359.60	10232929.92
23:47:00	23:47:00	70.6	89.5	73	68.2	5:12 PM	11481536.21	70.6	11481536.21	70.6	11481536.21	19952623.15
23:48:00	23:48:00	69	86.1	71	68	5:13 PM	7943282.35	69	7943282.35	69.0	7943282.35	12589254.12
23:49:00	23:49:00	69.1	85.3	71.7	68	5:14 PM	8128305.16	69.1	8128305.16	69.1	8128305.16	14791083.88
23:50:00	23:50:00	69.5	86.4	71.8	67.8	5:15 PM	8912509.38	69.5	8912509.38	69.5	8912509.38	15135612.48
23:51:00	23:51:00	69.3	84.3	72.6	67.6	5:16 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	18197008.59
23:52:00	23:52:00	69.8	86.9	72.5	67.9	5:17 PM	9549925.86	69.8	9549925.86	69.8	9549925.86	17782794.10
23:53:00	23:53:00	69.3	84.5	72.1	67.9	5:18 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	16218100.97
23:54:00	23:54:00	68.7	85.8	71.7	67	5:19 PM	7413102.41	68.7	7413102.41	68.7	7413102.41	14791083.88
23:55:00	23:55:00	69.3	84.6	72.6	68	5:20 PM	8511380.38	69.3	8511380.38	69.3	8511380.38	18197008.59
23:56:00	23:56:00	68.8	84.3	70.9	67.7	5:21 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	12302687.71
23:57:00	23:57:00	68.3	83.4	71	66.4	5:22 PM	6760829.75	68.3	6760829.75	68.3	6760829.75	12589254.12
23:58:00	23:58:00	69	83.4	71	66.9	5:23 PM	7943282.35	69	7943282.35	69.0	7943282.35	12589254.12
23:59:00	23:59:00	69.1	86.1	71.2	68	5:24 PM	8128305.16	69.1	8128305.16	69.1	8128305.16	13182567.39
24:00												

## Summary

Serial Number           BIJ090010  
 Start Time               15:34:52  12-Apr-2022  
 Run Length              24:00:00  5529600

UNIT REV                R13B

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	114	
Date		15:29:42  12-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	57.9	57.9
Lmax	dB	92	92
Lmin	dB	48.8	48.8
Lpk	dB	119.5	119.5
TWA	dB	62.7	62.6
PTWA	dB	48.9	48.8
DOSE	%	1.86	1.84
PDOSE	%	0.08	0.08
SEL	dB	107.3	107.2
EXP	p2s	21	21

Measurement	Units	Value
LDN	dB	63.7
CNEL	dB	63.5
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	65.7
L08	dB	60.1
L25	dB	57
L50	dB	55.6

**CUP Site #3 - Measurement #1**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	1	0	00:00:00	1	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	92	65.7	63.8	62.8	62	61.5	61	60.5	60.1	59.7
10	59.4	59	58.8	58.5	58.3	58.2	58	57.8	57.7	57.6
20	57.5	57.4	57.3	57.2	57.1	57	56.9	56.9	56.8	56.7
30	56.7	56.6	56.5	56.5	56.4	56.4	56.3	56.2	56.2	56.1
40	56.1	56	56	55.9	55.9	55.8	55.8	55.7	55.7	55.6
50	55.6	55.6	55.5	55.5	55.4	55.4	55.3	55.3	55.3	55.2
60	55.2	55.1	55.1	55	55	55	54.9	54.9	54.8	54.8
70	54.7	54.7	54.6	54.6	54.5	54.5	54.4	54.4	54.3	54.3
80	54.2	54.1	54.1	54	53.9	53.7	53.6	53.4	53.3	53.1
90	52.9	52.8	52.6	52.5	52.3	52.1	51.9	51.6	51.3	50.8

Raw Stat Table

dB	Count
48.8	8
48.9	55
49	54
49.1	46
49.2	78
49.3	141
49.4	255
49.5	610
49.6	891
49.7	1187
49.8	1595
49.9	2083
50	2502
50.1	3002
50.2	2391
50.3	3416
50.4	4214
50.5	5317
50.6	6148
50.7	8318
50.8	8743
50.9	9891
51	10193
51.1	10523
51.2	12299
51.3	12721
51.4	13544
51.5	16477
51.6	17754
51.7	19659
51.8	21459

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
48									0	0
49	0	0	0	0	0	0.01	0.01	0.02	0.02	0.03
50	0.04	0.05	0.04	0.06	0.07	0.09	0.11	0.15	0.15	0.17
51	0.18	0.19	0.22	0.23	0.24	0.29	0.32	0.35	0.38	0.41
52	0.43	0.45	0.5	0.5	0.52	0.56	0.56	0.58	0.61	0.65
53	0.68	0.71	0.49	0.63	0.61	0.6	0.62	0.65	0.69	0.78
54	0.91	1.08	1.27	1.46	1.65	1.86	1.93	2.08	2.21	2.28
55	2.34	2.33	2.3	2.34	2.35	2.29	2.21	2.17	2.18	2.17
56	2.14	2.19	1.51	1.89	1.78	1.67	1.62	1.57	1.5	1.44
57	1.38	1.32	1.24	1.14	1.04	0.98	0.93	0.84	0.76	0.7
58	0.67	0.63	0.58	0.54	0.51	0.49	0.47	0.44	0.43	0.4
59	0.38	0.38	0.29	0.31	0.31	0.3	0.3	0.29	0.28	0.26
60	0.26	0.25	0.24	0.24	0.23	0.22	0.22	0.22	0.21	0.2
61	0.21	0.21	0.2	0.18	0.18	0.18	0.18	0.18	0.18	0.18
62	0.18	0.19	0.16	0.09	0.14	0.14	0.13	0.12	0.12	0.11
63	0.11	0.11	0.1	0.09	0.08	0.08	0.08	0.08	0.07	0.06
64	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05

**CUP Site #3 - Measurement #1**

Summary

65	0.05	0.05	0.05	0.03	0.04	0.03	0.03	0.03	0.03	0.03	51.9	23040
66	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	52	23914
67	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	52.1	25280
68	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	52.2	27741
69	0.01	0.01	0	0	0	0.01	0.01	0	0	0	52.3	28129
70	0	0	0.01	0	0	0	0	0	0	0	52.4	29301
71	0	0	0	0	0	0	0	0	0	0	52.5	31403
72	0	0	0	0	0	0	0	0	0	0	52.6	31209
73	0	0	0	0	0	0	0	0	0	0	52.7	32603
74	0	0	0	0	0	0	0	0	0	0	52.8	34072
75	0	0	0	0	0	0	0	0	0	0	52.9	36333
76	0	0	0	0	0	0	0	0	0	0	53	37801
77	0	0	0	0	0	0	0	0	0	0	53.1	39474
78	0	0	0	0	0	0	0	0	0	0	53.2	27273
79	0	0	0	0	0	0	0	0	0	0	53.3	35168
80	0	0	0	0	0	0	0	0	0	0	53.4	33858
81	0	0	0	0	0	0	0	0	0	0	53.5	33556
82	0	0	0	0	0	0	0	0	0	0	53.6	34491
83	0	0	0	0	0	0	0	0	0	0	53.7	35989
84	0	0	0	0	0	0	0	0	0	0	53.8	38168
85	0	0	0	0	0	0	0	0	0	0	53.9	43637
86	0	0	0	0	0	0	0	0	0	0	54	50537
87	0	0	0	0	0	0	0	0	0	0	54.1	60130
88	0	0	0	0	0	0	0	0	0	0	54.2	70586
89	0	0	0	0	0	0	0	0	0	0	54.3	80935
90	0	0	0	0	0	0	0	0	0	0	54.4	91765
91	0	0	0	0	0	0	0	0	0	0	54.5	102899
92	0	0	0	0	0	0	0	0	0	0	54.6	106991
											54.7	115098
											54.8	122275
											54.9	126222
											55	129499
											55.1	129135
											55.2	127397
											55.3	129402
											55.4	130073
											55.5	126643
											55.6	122483
											55.7	120098
											55.8	120677
											55.9	120472
											56	118623
											56.1	121575

Data

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		57.1	83.3	65.5	53.7
	0:02:00	0:02:00		55.5	79.2	58	53.8
	0:03:00	0:03:00		57.7	90.7	67.9	54.1
	0:04:00	0:04:00		57.8	91.7	70.2	54.7
	0:05:00	0:05:00		63	83.9	72.2	55.1
	0:06:00	0:06:00		63.4	85.3	74.5	56.5
	0:07:00	0:07:00		57.5	84.5	64.1	54.5
	0:08:00	0:08:00		61.1	80.6	65	57
	0:09:00	0:09:00		56.1	78.4	58	54.5
	0:10:00	0:10:00		55.3	73.7	57.2	53.9
	0:11:00	0:11:00		56.3	76.8	59.7	54.4
	0:12:00	0:12:00		56.9	78.3	60	55.2
	0:13:00	0:13:00		55.8	84.6	62.5	53.9
	0:14:00	0:14:00		56.9	84.6	63.4	54.9
	0:15:00	0:15:00		56.9	75.1	60.2	53.4
	0:16:00	0:16:00		57.1	77.6	64.2	54
	0:17:00	0:17:00		56.1	84.6	63.3	54.2
	0:18:00	0:18:00		56.9	92.9	69.1	53.5
	0:19:00	0:19:00		54.8	79.1	57.7	53
	0:20:00	0:20:00		56.5	84.4	62.8	53.8
	0:21:00	0:21:00		55.9	83.3	62.6	54.1
	0:22:00	0:22:00		58.7	87.1	65.4	55
	0:23:00	0:23:00		60.2	89.5	67.6	56.7
	0:24:00	0:24:00		59	84.2	63.2	56.2
	0:25:00	0:25:00		56.5	81.8	59.9	54.2
	0:26:00	0:26:00		63.1	87	69	56.2
	0:27:00	0:27:00		55.6	78.2	57.4	54.1
	0:28:00	0:28:00		57	81.4	59.2	55.2
	0:29:00	0:29:00		57.4	86.5	62.2	55.5
	0:30:00	0:30:00		59.2	89.3	67	55.6
	0:31:00	0:31:00		55.9	71.8	57.5	54.5
	0:32:00	0:32:00		56.4	75.3	58.4	54.6
	0:33:00	0:33:00		56.5	81.3	60.8	54.6
	0:34:00	0:34:00		57.3	86.8	64.6	54.8
	0:35:00	0:35:00		55.1	77.6	56.7	53.9
	0:36:00	0:36:00		56.5	88.1	63.9	54.1
	0:37:00	0:37:00		55.5	72.7	57.4	54.3
	0:38:00	0:38:00		56.4	74.2	59.2	54.5
	0:39:00	0:39:00		54.8	72.4	57.4	53.1
	0:40:00	0:40:00		55.6	84.7	62.4	53.7
	0:41:00	0:41:00		54.5	74	56.1	52.9
	0:42:00	0:42:00		56.9	86.3	64.3	54.9
	0:43:00	0:43:00		56.4	87.2	64.2	53.7
	0:44:00	0:44:00		58.1	84.8	62.5	55
	0:45:00	0:45:00		56	80.4	60.9	53
	0:46:00	0:46:00		57	85.8	62	53.8
	0:47:00	0:47:00		55.9	76.2	57.9	54.1
	0:48:00	0:48:00		56.9	83.4	61.4	54.8
	0:49:00	0:49:00		55.1	75.8	57.3	53.8
	0:50:00	0:50:00		58.5	93.9	71	55.1
	0:51:00	0:51:00		56	84.1	63.3	53.6
	0:52:00	0:52:00		56.4	78.4	59.1	54.3
	0:53:00	0:53:00		55.2	76.4	57.2	53.3
	0:54:00	0:54:00		55.3	79	58	53
	0:55:00	0:55:00		58.3	91.3	67.7	54.7
	0:56:00	0:56:00		56.9	85.6	62.1	54.1
	0:57:00	0:57:00		58.5	82.7	66.5	55.3
	0:58:00	0:58:00		60.1	84.3	66	55.2
	0:59:00	0:59:00		56.1	82.4	62.2	53.4
	1:00:00	1:00:00		57.1	81.1	60.4	54.8
	1:01:00	1:01:00		57.7	81.8	61.3	55.5
	1:02:00	1:02:00		58.4	78.5	62.9	54.9
	1:03:00	1:03:00		57.4	88.6	66.1	55
	1:04:00	1:04:00		57.1	83.2	61.1	55.7
	1:05:00	1:05:00		58.7	83.8	62	55.7
	1:06:00	1:06:00		57.8	81.7	61.7	55.8
	1:07:00	1:07:00		56.4	75.7	57.8	55.3
	1:08:00	1:08:00		56.3	74.4	59.1	54.9
	1:09:00	1:09:00		55.3	76.7	57.3	53.8
	1:10:00	1:10:00		58.1	88.1	62.1	55.1
	1:11:00	1:11:00		60.4	82.3	66.7	56.3
	1:12:00	1:12:00		56.9	79.4	60.6	55
	1:13:00	1:13:00		58.7	84.3	67.9	54.8
	1:14:00	1:14:00		57.2	79.4	62.6	54.8
	1:15:00	1:15:00		58.8	94.4	72.2	54.8
	1:16:00	1:16:00		57.3	78.9	59.9	55.1
	1:17:00	1:17:00		57.1	79.7	60.5	54.8
	1:18:00	1:18:00		59	84.8	62.3	56.2
	1:19:00	1:19:00		57.9	87.3	65.2	55.7
	1:20:00	1:20:00		57.1	76.5	60	55.7
	1:21:00	1:21:00		56.1	79.2	59.9	54.2
	1:22:00	1:22:00		57.6	87.3	65.8	54.9
	1:23:00	1:23:00		56.9	84.1	63.2	55.3
	1:24:00	1:24:00		64.6	89.9	69.6	57.3
	1:25:00	1:25:00		57	79.1	60.7	54.4
	1:26:00	1:26:00		58.9	78.4	66.8	55.8
	1:27:00	1:27:00		55.6	80.4	58.8	54
	1:28:00	1:28:00		59.2	94.8	71	54.7
	1:29:00	1:29:00		58	82.9	63	56
	1:30:00	1:30:00		57	78.2	59.5	54.8
	1:31:00	1:31:00		56.7	82.5	60.9	54.8
	1:32:00	1:32:00		57.1	77.4	59.8	54.5
	1:33:00	1:33:00		57.4	88.7	66.3	54.7
	1:34:00	1:34:00		58.2	85.8	62.6	55.9
	1:35:00	1:35:00		61.8	92	70	55.8
	1:36:00	1:36:00		68.1	93.4	78.8	56.2
	1:37:00	1:37:00		57.8	82.5	62.9	55.4
	1:38:00	1:38:00		56.8	76.1	58.5	55.1
	1:39:00	1:39:00		57.1	79.2	60.1	54.5
	1:40:00	1:40:00		59.2	91.2	69.5	56

L <sub>eq</sub>	Daytime	Nighttime
	58.5	56.8
L <sub>max</sub>	90.3	92.0
	CNEL 63.7	
L <sub>dn</sub>	63.5	
	58.6	57.3
L <sub>25</sub>	61.4	57.7
	63.4	59.2
L <sub>17</sub>	75.7	74.6
	90.3	92.0

L <sub>eq</sub>	L <sub>max</sub>
58.5	90.3
56.9	92.0

7:30 a.m. - 9:30 p.m.  
9:30 p.m. - 7:30 a.m.

Time	L <sub>eq</sub> 10 <sup>(N/10)</sup>	CNEL	CNEL 10 <sup>(N/10)</sup>	L <sub>dn</sub>	L <sub>dn</sub> 10 <sup>(N/10)</sup>	L <sub>max</sub> 10 <sup>(N/10)</sup>
3:34 PM						
3:35 PM	512861.38	57.1	512861.38	57.1	512861.38	3548133.89
3:36 PM	354813.39	55.5	354813.39	55.5	354813.39	630957.34
3:37 PM	588843.66	57.7	588843.66	57.7	588843.66	6165950.02
3:38 PM	602559.59	57.8	602559.59	57.8	602559.59	10471285.48
3:39 PM	1995262.31	63	1995262.31	63.0	1995262.31	16595869.07
3:40 PM	2187761.62	63.4	2187761.62	63.4	2187761.62	28183829.31
3:41 PM	562341.33	57.5	562341.33	57.5	562341.33	2570395.78
3:42 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	3162277.66
3:43 PM	407380.28	56.1	407380.28	56.1	407380.28	630957.34
3:44 PM	338844.16	55.3	338844.16	55.3	338844.16	524807.46
3:45 PM	426579.52	56.3	426579.52	56.3	426579.52	933254.30
3:46 PM	489778.82	56.9	489778.82	56.9	489778.82	1000000.00
3:47 PM	380189.40	55.8	380189.40	55.8	380189.40	1778279.41
3:48 PM	489778.82	56.9	489778.82	56.9	489778.82	2187761.62
3:49 PM	363078.05	55.6	363078.05	55.6	363078.05	1047128.55
3:50 PM	512861.38	57.1	512861.38	57.1	512861.38	2630267.99
3:51 PM	407380.28	56.1	407380.28	56.1	407380.28	2137962.09
3:52 PM	489778.82	56.9	489778.82	56.9	489778.82	8128305.16
3:53 PM	301995.17	54.8	301995.17	54.8	301995.17	588843.66
3:54 PM	446683.59	56.5	446683.59	56.5	446683.59	1905460.72
3:55 PM	389045.14	55.9	389045.14	55.9	389045.14	1819700.86
3:56 PM	741310.24	58.7	741310.24	58.7	741310.24	3467368.50
3:57 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	5754399.37
3:58 PM	794328.23	59	794328.23	59.0	794328.23	2089296.13
3:59 PM	446683.59	56.5	446683.59	56.5	446683.59	977237.22
4:00 PM	2041737.94	63.1	2041737.94	63.1	2041737.94	7943282.35
4:01 PM	363078.05	55.6	363078.05	55.6	363078.05	549540.87
4:02 PM	501187.23	57	501187.23	57.0	501187.23	831763.77
4:03 PM	549540.87	57.4	549540.87	57.4	549540.87	1659586.91
4:04 PM	831763.77	59.2	831763.77	59.2	831763.77	5011872.34
4:05 PM	389045.14	55.9	389045.14	55.9	389045.14	562341.33
4:06 PM	436515.83	56.4	436515.83	56.4	436515.83	691830.97
4:07 PM	446683.59	56.5	446683.59	56.5	446683.59	1202264.43
4:08 PM	537031.80	57.3	537031.80	57.3	537031.80	2884031.50
4:09 PM	323593.66	55.1	323593.66	55.1	323593.66	467735.14
4:10 PM	446683.59	56.5	446683.59	56.5	446683.59	2454708.92
4:11 PM	354813.39	55.5	354813.39	55.5	354813.39	549540.87
4:12 PM	436515.83	56.4	436515.83	56.4	436515.83	831763.77
4:13 PM	301995.17	54.8	301995.17	54.8	301995.17	549540.87
4:14 PM	363078.05	55.6	363078.05	55.6	363078.05	1737800.83
4:15 PM	281838.29	54.5	281838.29	54.5	281838.29	407380.28
4:16 PM	489778.82	56.9	489778.82	56.9	489778.82	2691534.80
4:17 PM	436515.83	56.4	436515.83	56.4	436515.83	2630267.99
4:18 PM	645654.23	58.1	645654.23	58.1	645654.23	1778279.41
4:19 PM	398107.17	56	398107.17	56.0	398107.17	1

## Data

1:41:00	1:41:00	57.4	75.5	60.4	55.3	5:15 PM	549540.87	57.4	549540.87	57.4	549540.87	1096478.20
1:42:00	1:42:00	57.2	75.1	61.7	54.9	5:16 PM	524807.46	57.2	524807.46	57.2	524807.46	1479108.39
1:43:00	1:43:00	59.7	91.9	68.4	55.4	5:17 PM	933254.30	59.7	933254.30	59.7	933254.30	6918309.71
1:44:00	1:44:00	58.9	89	66.4	56	5:18 PM	776247.12	58.9	776247.12	58.9	776247.12	4365158.32
1:45:00	1:45:00	58.5	81.7	61	56.5	5:19 PM	707945.78	58.5	707945.78	58.5	707945.78	1258925.41
1:46:00	1:46:00	57.7	81.1	61.6	55.5	5:20 PM	588843.66	57.7	588843.66	57.7	588843.66	1445439.77
1:47:00	1:47:00	56.9	81.5	59.1	55.1	5:21 PM	489778.82	56.9	489778.82	56.9	489778.82	812830.52
1:48:00	1:48:00	66.6	89.9	77.7	56.1	5:22 PM	4570881.90	66.6	4570881.90	66.6	4570881.90	58884365.54
1:49:00	1:49:00	63.8	85	72.3	56.6	5:23 PM	2398832.92	63.8	2398832.92	63.8	2398832.92	16982436.52
1:50:00	1:50:00	56.5	74.8	59.7	54.2	5:24 PM	446683.59	56.5	446683.59	56.5	446683.59	933254.30
1:51:00	1:51:00	57.2	87.7	63.4	55	5:25 PM	524807.46	57.2	524807.46	57.2	524807.46	2187761.62
1:52:00	1:52:00	55.9	76	59.2	53.6	5:26 PM	389045.14	55.9	389045.14	55.9	389045.14	831763.77
1:53:00	1:53:00	55.2	72.1	57.8	53.6	5:27 PM	331131.12	55.2	331131.12	55.2	331131.12	602559.59
1:54:00	1:54:00	57.7	86.7	65.3	54.6	5:28 PM	588843.66	57.7	588843.66	57.7	588843.66	3388441.56
1:55:00	1:55:00	56.2	76	59.1	54.5	5:29 PM	416869.38	56.2	416869.38	56.2	416869.38	812830.52
1:56:00	1:56:00	56.2	78.5	58.3	54.2	5:30 PM	416869.38	56.2	416869.38	56.2	416869.38	676082.98
1:57:00	1:57:00	55.5	79.2	58.5	54.1	5:31 PM	354813.39	55.5	354813.39	55.5	354813.39	707945.78
1:58:00	1:58:00	56.2	80.4	58.5	54.1	5:32 PM	416869.38	56.2	416869.38	56.2	416869.38	707945.78
1:59:00	1:59:00	55.2	73.2	57.2	53.9	5:33 PM	331131.12	55.2	331131.12	55.2	331131.12	524807.46
2:00:00	2:00:00	55.4	78.5	60.3	53.8	5:34 PM	346736.85	55.4	346736.85	55.4	346736.85	1071519.31
2:01:00	2:01:00	58.2	86.4	64.7	55.1	5:35 PM	660693.45	58.2	660693.45	58.2	660693.45	2951209.23
2:02:00	2:02:00	55.7	74	60.8	53.7	5:36 PM	371535.23	55.7	371535.23	55.7	371535.23	1202264.43
2:03:00	2:03:00	55.1	71.2	57.2	53.9	5:37 PM	323593.66	55.1	323593.66	55.1	323593.66	524807.46
2:04:00	2:04:00	55.5	71.7	58.8	53.8	5:38 PM	354813.39	55.5	354813.39	55.5	354813.39	758577.58
2:05:00	2:05:00	56.8	82.8	61.7	53.9	5:39 PM	478630.09	56.8	478630.09	56.8	478630.09	1479108.39
2:06:00	2:06:00	57.3	75.8	63.5	54.2	5:40 PM	537031.80	57.3	537031.80	57.3	537031.80	2238721.14
2:07:00	2:07:00	54.9	79	57.6	53.1	5:41 PM	309029.54	54.9	309029.54	54.9	309029.54	575439.94
2:08:00	2:08:00	56.1	83.9	60.4	53.9	5:42 PM	407380.28	56.1	407380.28	56.1	407380.28	1096478.20
2:09:00	2:09:00	56.8	86.5	63.7	54.4	5:43 PM	478630.09	56.8	478630.09	56.8	478630.09	2344228.82
2:10:00	2:10:00	55.7	77.2	59	53.8	5:44 PM	371535.23	55.7	371535.23	55.7	371535.23	794328.23
2:11:00	2:11:00	55.4	79.4	58.8	54.2	5:45 PM	346736.85	55.4	346736.85	55.4	346736.85	758577.58
2:12:00	2:12:00	57.1	74.9	62.3	53.1	5:46 PM	512861.38	57.1	512861.38	57.1	512861.38	1698243.65
2:13:00	2:13:00	55.2	70.6	58.5	53.6	5:47 PM	331131.12	55.2	331131.12	55.2	331131.12	707945.78
2:14:00	2:14:00	54.7	70.4	57.5	53.4	5:48 PM	295120.92	54.7	295120.92	54.7	295120.92	562341.33
2:15:00	2:15:00	54.7	70.2	55.7	53.2	5:49 PM	295120.92	54.7	295120.92	54.7	295120.92	371535.23
2:16:00	2:16:00	55.1	69.6	56.6	52.7	5:50 PM	323593.66	55.1	323593.66	55.1	323593.66	457088.19
2:17:00	2:17:00	55.2	70.9	58.5	53.6	5:51 PM	331131.12	55.2	331131.12	55.2	331131.12	707945.78
2:18:00	2:18:00	56.1	81.4	58.3	53.3	5:52 PM	407380.28	56.1	407380.28	56.1	407380.28	676082.98
2:19:00	2:19:00	55.5	74.1	57.1	54.4	5:53 PM	354813.39	55.5	354813.39	55.5	354813.39	512861.38
2:20:00	2:20:00	57.2	79.5	67.1	53.7	5:54 PM	524807.46	57.2	524807.46	57.2	524807.46	5128613.84
2:21:00	2:21:00	55.4	73.9	57.7	53.8	5:55 PM	346736.85	55.4	346736.85	55.4	346736.85	588843.66
2:22:00	2:22:00	55.4	79.5	58.4	54.1	5:56 PM	346736.85	55.4	346736.85	55.4	346736.85	691830.97
2:23:00	2:23:00	59.2	81.4	68	53.6	5:57 PM	831763.77	59.2	831763.77	59.2	831763.77	6309573.44
2:24:00	2:24:00	58.9	89.1	70.3	55.4	5:58 PM	776247.12	58.9	776247.12	58.9	776247.12	10715193.05
2:25:00	2:25:00	56.5	76	60.5	54.7	5:59 PM	446683.59	56.5	446683.59	56.5	446683.59	1122018.45
2:26:00	2:26:00	55.9	77	57.2	54.9	6:00 PM	389045.14	55.9	389045.14	55.9	389045.14	524807.46
2:27:00	2:27:00	56	73.4	58	53.8	6:01 PM	398107.17	56	398107.17	56.0	398107.17	630957.34
2:28:00	2:28:00	55.8	77.4	58.2	53.9	6:02 PM	380189.40	55.8	380189.40	55.8	380189.40	660693.45
2:29:00	2:29:00	55.1	70.7	56.4	53.3	6:03 PM	323593.66	55.1	323593.66	55.1	323593.66	436515.83
2:30:00	2:30:00	55.7	73	58	53.6	6:04 PM	371535.23	55.7	371535.23	55.7	371535.23	630957.34
2:31:00	2:31:00	56.4	88.4	65.7	54.1	6:05 PM	436515.83	56.4	436515.83	56.4	436515.83	3715352.29
2:32:00	2:32:00	56.1	74.8	62.4	53.9	6:06 PM	407380.28	56.1	407380.28	56.1	407380.28	1737800.83
2:33:00	2:33:00	56.1	75	58.9	54.6	6:07 PM	407380.28	56.1	407380.28	56.1	407380.28	776247.12
2:34:00	2:34:00	59.3	87.2	70.3	55.9	6:08 PM	851138.04	59.3	851138.04	59.3	851138.04	10715193.05
2:35:00	2:35:00	56.7	85	62	55.2	6:09 PM	467735.14	56.7	467735.14	56.7	467735.14	1584893.19
2:36:00	2:36:00	56.1	76.8	58.3	54.5	6:10 PM	407380.28	56.1	407380.28	56.1	407380.28	676082.98
2:37:00	2:37:00	57.2	77.5	59.7	55.4	6:11 PM	524807.46	57.2	524807.46	57.2	524807.46	933254.30
2:38:00	2:38:00	56.8	70.9	58.3	55.4	6:12 PM	478630.09	56.8	478630.09	56.8	478630.09	676082.98
2:39:00	2:39:00	56.4	72	58.8	54.6	6:13 PM	436515.83	56.4	436515.83	56.4	436515.83	758577.58
2:40:00	2:40:00	57	84.3	62.1	55.2	6:14 PM	501187.23	57	501187.23	57.0	501187.23	1621810.10
2:41:00	2:41:00	58.1	89.9	68.8	53.7	6:15 PM	645654.23	58.1	645654.23	58.1	645654.23	758577.58
2:42:00	2:42:00	56	77.3	58.1	54.3	6:16 PM	398107.17	56	398107.17	56.0	398107.17	645654.23
2:43:00	2:43:00	57.8	76.6	61.9	55.3	6:17 PM	602559.59	57.8	602559.59	57.8	602559.59	1548816.62
2:44:00	2:44:00	57.5	82.2	61	54.8	6:18 PM	562341.33	57.5	562341.33	57.5	562341.33	1258925.41
2:45:00	2:45:00	55.9	77.8	58	54.1	6:19 PM	389045.14	55.9	389045.14	55.9	389045.14	630957.34
2:46:00	2:46:00	56.3	73.1	57.7	54.9	6:20 PM	426579.52	56.3	426579.52	56.3	426579.52	588843.66
2:47:00	2:47:00	56.6	86.2	63.7	54.9	6:21 PM	457088.19	56.6	457088.19	56.6	457088.19	2344228.82
2:48:00	2:48:00	56.8	84.8	64.1	54.1	6:22 PM	478630.09	56.8	478630.09	56.8	478630.09	2570395.78
2:49:00	2:49:00	55.1	73.3	56.7	53.8	6:23 PM	323593.66	55.1	323593.66	55.1	323593.66	467735.14
2:50:00	2:50:00	56.5	72.3	58.9	54.3	6:24 PM	446683.59	56.5	446683.59	56.5	446683.59	776247.12
2:51:00	2:51:00	57.1	77	63.2	53.5	6:25 PM	512861.38	57.1	512861.38	57.1	512861.38	2089296.13
2:52:00	2:52:00	57.5	87.4	65.4	55.4	6:26 PM	562341.33	57.5	562341.33	57.5	562341.33	3467368.50
2:53:00	2:53:00	57	89.8	66.3	54.5	6:27 PM	501187.23	57	501187.23	57.0	501187.23	4265795.19
2:54:00	2:54:00	56.3	78.3	58.7	55.3	6:28 PM	426579.52	56.3	426579.52	56.3	426579.52	741310.24
2:55:00	2:55:00	57.1	84	62	55.5	6:29 PM	512861.38	57.1	512861.38	57.1	512861.38	1584893.19
2:56:00	2:56:00	56.9	71.9	59.1	55.3	6:30 PM	489778.82	56.9	489778.82	56.9	489778.82	812830.52
2:57:00	2:57:00	56.4	77.5	58.6	55	6:31 PM	436515.83	56.4	436515.83	56.4	436515.83	724435.96
2:58:00	2:58:00	56.1	79.3	58.9	54.2	6:32 PM	407380.28	56.1	407380.28	56.1	407380.28	776247.12
2:59:00	2:59:00	57.3	85.1	63.3	55.3	6:33 PM	537031.80	57.3	537031.80	57.3	537031.80	2137962.09
3:00:00	3:00:00	56.8	77.2	58.9	55.5	6:34 PM	478630.09	56.8	478630.09	56.8	478630.09	776247.12
3:01:00	3:01:00	56.8	72.5	58.3	55.2	6:35 PM	478630.09	56.8	478630.09	56.8	478630.09	676082.98
3:02:00	3:02:00	56	70.5	57.3	54.8	6:36 PM	398107.17	56	398107.17	56.0	398107.17	537031.80
3:03:												

Data				Data								
3:26:00	3:26:00	57.3	72.4	59.8	55.5	7:00 PM	537031.80	62.3	1698243.65	57.3	537031.80	954992.59
3:27:00	3:27:00	56.2	76	59.2	55.3	7:01 PM	416869.38	61.2	1318256.74	56.2	416869.38	831763.77
3:28:00	3:28:00	56.6	72.5	58.4	55.4	7:02 PM	457088.19	61.6	1445439.77	56.6	457088.19	691830.97
3:29:00	3:29:00	56.3	71.9	57.5	55.1	7:03 PM	426579.52	61.3	1348962.88	56.3	426579.52	562341.33
3:30:00	3:30:00	55.9	71.4	57.4	54.2	7:04 PM	389045.14	60.9	1230268.77	55.9	389045.14	549540.87
3:31:00	3:31:00	56.3	74	61	54.4	7:05 PM	426579.52	61.3	1348962.88	56.3	426579.52	1258925.41
3:32:00	3:32:00	57.2	73.2	60.5	55	7:06 PM	524807.46	62.2	1659586.91	57.2	524807.46	1122018.45
3:33:00	3:33:00	59.9	79	64.7	55.8	7:07 PM	977237.22	64.9	3090295.43	59.9	977237.22	2951209.23
3:34:00	3:34:00	57.9	77.7	61.5	55	7:08 PM	616595.00	62.9	1949844.60	57.9	616595.00	1412537.54
3:35:00	3:35:00	56.1	76.2	61.8	54.1	7:09 PM	407380.28	61.1	1288249.55	56.1	407380.28	1513561.25
3:36:00	3:36:00	56	73	57	55	7:10 PM	398107.17	61	1258925.41	56.0	398107.17	501187.23
3:37:00	3:37:00	55.6	70.4	57.2	54.3	7:11 PM	363078.05	60.6	1148153.62	55.6	363078.05	524807.46
3:38:00	3:38:00	57	75.8	62.1	54.8	7:12 PM	501187.23	62	1584893.19	57.0	501187.23	1621810.10
3:39:00	3:39:00	57.1	71.1	59.1	55	7:13 PM	512861.38	62.1	1621810.10	57.1	512861.38	812830.52
3:40:00	3:40:00	57.7	81.7	64.5	55.3	7:14 PM	588843.66	62.7	1862087.14	57.7	588843.66	2818382.93
3:41:00	3:41:00	57.2	75	62.3	55.5	7:15 PM	524807.46	62.2	1659586.91	57.2	524807.46	1698243.65
3:42:00	3:42:00	56	71.2	57.3	55.1	7:16 PM	398107.17	61	1258925.41	56.0	398107.17	537031.80
3:43:00	3:43:00	57.1	73.4	59.4	55.2	7:17 PM	512861.38	62.1	1621810.10	57.1	512861.38	870963.59
3:44:00	3:44:00	56.6	72.3	57.7	55.3	7:18 PM	457088.19	61.6	1445439.77	56.6	457088.19	588843.66
3:45:00	3:45:00	56.8	71.6	58	55.2	7:19 PM	478630.09	61.8	1513561.25	56.8	478630.09	630957.34
3:46:00	3:46:00	56.6	72	57.8	55.6	7:20 PM	457088.19	61.6	1445439.77	56.6	457088.19	602559.59
3:47:00	3:47:00	57.6	81.4	62.3	55.6	7:21 PM	575439.94	62.6	1819700.86	57.6	575439.94	1698243.65
3:48:00	3:48:00	57.1	75.2	62	55.3	7:22 PM	512861.38	62.1	1621810.10	57.1	512861.38	1584893.19
3:49:00	3:49:00	56.4	71.7	58.5	54.9	7:23 PM	436515.83	61.4	1380384.26	56.4	436515.83	707945.78
3:50:00	3:50:00	55.4	70.7	56.8	54.3	7:24 PM	346736.85	60.4	1096478.20	55.4	346736.85	478630.09
3:51:00	3:51:00	55.5	72.4	58.3	53.7	7:25 PM	354813.39	60.5	1122018.45	55.5	354813.39	676082.98
3:52:00	3:52:00	57.1	75.1	62	54.8	7:26 PM	512861.38	62.1	1621810.10	57.1	512861.38	1584893.19
3:53:00	3:53:00	57.6	74.1	62.1	55.1	7:27 PM	575439.94	62.6	1819700.86	57.6	575439.94	1621810.10
3:54:00	3:54:00	55.8	71.3	57.1	54.8	7:28 PM	380189.40	60.8	1202264.43	55.8	380189.40	512861.38
3:55:00	3:55:00	55.9	70.7	56.9	54.9	7:29 PM	389045.14	60.9	1230268.77	55.9	389045.14	48778.82
3:56:00	3:56:00	56.3	70.3	57.3	55.4	7:30 PM	426579.52	61.3	1348962.88	56.3	426579.52	537031.80
3:57:00	3:57:00	56.6	75.4	59.2	54.6	7:31 PM	457088.19	61.6	1445439.77	56.6	457088.19	831763.77
3:58:00	3:58:00	56.5	77.1	58.8	55.1	7:32 PM	446683.59	61.5	1412537.54	56.5	446683.59	758577.58
3:59:00	3:59:00	57.2	77.6	59.4	55.5	7:33 PM	524807.46	62.2	1659586.91	57.2	524807.46	870963.59
4:00:00	4:00:00	56.3	71	58.2	55.2	7:34 PM	426579.52	61.3	1348962.88	56.3	426579.52	660693.45
4:01:00	4:01:00	56.8	73.8	61.9	54.6	7:35 PM	478630.09	61.8	1513561.25	56.8	478630.09	1548816.62
4:02:00	4:02:00	56.8	74.5	59.1	55.4	7:36 PM	478630.09	61.8	1513561.25	56.8	478630.09	812830.52
4:03:00	4:03:00	56.4	74.1	61.1	54.6	7:37 PM	436515.83	61.4	1380384.26	56.4	436515.83	1288249.55
4:04:00	4:04:00	56.6	77.1	58.5	55.2	7:38 PM	457088.19	61.6	1445439.77	56.6	457088.19	707945.78
4:05:00	4:05:00	57.3	72.7	59.3	55.1	7:39 PM	537031.80	62.3	1698243.65	57.3	537031.80	851138.04
4:06:00	4:06:00	56.5	72.2	57.6	55.4	7:40 PM	446683.59	61.5	1412537.54	56.5	446683.59	575439.94
4:07:00	4:07:00	56.9	75.8	59.6	55.8	7:41 PM	489778.82	61.9	1548816.62	56.9	489778.82	912010.84
4:08:00	4:08:00	55.8	70	57.2	54.2	7:42 PM	380189.40	60.8	1202264.43	55.8	380189.40	524807.46
4:09:00	4:09:00	55.5	71.4	57	54.1	7:43 PM	354813.39	60.5	1122018.45	55.5	354813.39	501187.23
4:10:00	4:10:00	56.1	70.4	57.9	54.6	7:44 PM	407380.28	61.1	1288249.55	56.1	407380.28	616595.00
4:11:00	4:11:00	56.4	76.8	62.9	54.1	7:45 PM	436515.83	61.4	1380384.26	56.4	436515.83	1949844.60
4:12:00	4:12:00	56.4	72	60.4	54.6	7:46 PM	436515.83	61.4	1380384.26	56.4	436515.83	1096478.20
4:13:00	4:13:00	56.1	78.2	59.7	54.6	7:47 PM	407380.28	61.1	1288249.55	56.1	407380.28	933254.30
4:14:00	4:14:00	57.1	75.2	60.1	55.4	7:48 PM	512861.38	62.1	1621810.10	57.1	512861.38	1023292.99
4:15:00	4:15:00	61	86.1	66.5	56.1	7:49 PM	1258925.41	66	3981071.71	61.0	1258925.41	4466835.92
4:16:00	4:16:00	59.1	81	65	55.9	7:50 PM	812830.52	64.1	2570395.78	59.1	812830.52	3162277.66
4:17:00	4:17:00	56.7	72.3	60.1	55.2	7:51 PM	467735.14	61.7	1479108.39	56.7	467735.14	1023292.99
4:18:00	4:18:00	56.8	75.7	61.9	54.5	7:52 PM	478630.09	61.8	1513561.25	56.8	478630.09	1548816.62
4:19:00	4:19:00	55.8	70.6	57	54.3	7:53 PM	380189.40	60.8	1202264.43	55.8	380189.40	501187.23
4:20:00	4:20:00	57.1	72.7	59.5	55.6	7:54 PM	512861.38	62.1	1621810.10	57.1	512861.38	891250.94
4:21:00	4:21:00	56.9	73.9	61.2	54.7	7:55 PM	489778.82	61.9	1548816.62	56.9	489778.82	1318256.74
4:22:00	4:22:00	55.4	70.6	56.4	54.7	7:56 PM	346736.85	60.4	1096478.20	55.4	346736.85	436515.83
4:23:00	4:23:00	56.2	70.5	57.5	55.1	7:57 PM	416869.38	61.2	1318256.74	56.2	416869.38	562341.33
4:24:00	4:24:00	55.7	70.8	57.1	54.7	7:58 PM	371535.23	60.7	1174897.55	55.7	371535.23	512861.38
4:25:00	4:25:00	55.7	73.5	57	54.6	7:59 PM	371535.23	60.7	1174897.55	55.7	371535.23	501187.23
4:26:00	4:26:00	56.1	77.4	61.8	54.7	8:00 PM	407380.28	61.1	1288249.55	56.1	407380.28	1513561.25
4:27:00	4:27:00	64.7	90.2	74.7	56.9	8:01 PM	2951209.23	69.7	9332543.01	64.7	2951209.23	29512092.27
4:28:00	4:28:00	58.2	87.8	64.5	54.5	8:02 PM	660693.45	63.2	2089296.13	58.2	660693.45	2818382.93
4:29:00	4:29:00	59	77.5	63.7	56	8:03 PM	794328.23	64	2511886.43	59.0	794328.23	2344228.82
4:30:00	4:30:00	56	86	64.1	54.4	8:04 PM	398107.17	61	1258925.41	56.0	398107.17	2570395.78
4:31:00	4:31:00	59.8	75.9	63.4	54.8	8:05 PM	954992.59	64.8	3019951.72	59.8	954992.59	2187761.62
4:32:00	4:32:00	55.8	75.1	62.9	54.2	8:06 PM	380189.40	60.8	1202264.43	55.8	380189.40	1949844.60
4:33:00	4:33:00	56.3	77.9	58.6	54.8	8:07 PM	426579.52	61.3	1348962.88	56.3	426579.52	724435.96
4:34:00	4:34:00	55.9	72.2	57.4	55	8:08 PM	389045.14	60.9	1230268.77	55.9	389045.14	549540.87
4:35:00	4:35:00	61.9	89.7	75.1	55	8:09 PM	1548816.62	66.9	4897788.19	61.9	1548816.62	32359365.69
4:36:00	4:36:00	62.8	90	74.9	55	8:10 PM	1905460.72	67.8	6025595.86	62.8	1905460.72	30902954.33
4:37:00	4:37:00	56	77.7	58.7	54.8	8:11 PM	398107.17	61	1258925.41	56.0	398107.17	741310.24
4:38:00	4:38:00	56	76.7	58.8	54.5	8:12 PM	398107.17	61	1258925.41	56.0	398107.17	758577.58
4:39:00	4:39:00	55.9	75.4	57.8	54.7	8:13 PM	389045.14	60.9	1230268.77	55.9	389045.14	602559.59
4:40:00	4:40:00	56.1	72.1	59.1	54.5	8:14 PM	407380.28	61.1	1288249.55	56.1	407380.28	812830.52
4:41:00	4:41:00	55.7	72.6	57.3	53.9	8:15 PM	371535.23	60.7	1174897.55	55.7	371535.23	537031.80
4:42:00	4:42:00	57.1	77.8	63.6	55	8:16 PM	512861.38	62.1	1621810.10	57.1	512861.38	2290867.65
4:43:00	4:43:00	62.8	90.4	72.8	54.8	8:17 PM	1905460.72	67.8	6025595.86	62.8	1905460.72	19054607.18
4:44:00	4:44:00	56	71.4	57.3	54.6	8:18 PM	398107.17	61	1258925.41	56.0	398107.17	537031.80
4:45:00	4:45:00	55.4	70.8	57.2	54	8:19 PM	346736.85	60.4	1096478.20	55.4	346736.85	524807.46
4:46:00	4:46:00	54.6	69.1	55.7	53.5	8:20 PM	288403.15	59.6	912010.84	54.6	288403.15	371535.23
4:47:00	4:47:00	55.1	71.4	58.9	53.9	8:21 PM	323593.66	60.1	1023			

## Data

5:11:00	5:11:00	56.8	74.6	58.5	55.2	8:45 PM	478630.09	61.8	1513561.25	56.8	478630.09	707945.78
5:12:00	5:12:00	56.7	71.5	58.7	55.3	8:46 PM	467735.14	61.7	1479108.39	56.7	467735.14	741310.24
5:13:00	5:13:00	56.8	72.9	60.5	54.6	8:47 PM	478630.09	61.8	1513561.25	56.8	478630.09	1122018.45
5:14:00	5:14:00	55.9	70.2	57.6	54.7	8:48 PM	389045.14	60.9	1230268.77	55.9	389045.14	575439.94
5:15:00	5:15:00	62.3	85.2	70.3	56	8:49 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	10715193.05
5:16:00	5:16:00	56.5	73.3	58.2	55.7	8:50 PM	446683.59	61.5	1412537.54	56.5	446683.59	660693.45
5:17:00	5:17:00	56.7	74.2	60	55.4	8:51 PM	467735.14	61.7	1479108.39	56.7	467735.14	1000000.00
5:18:00	5:18:00	57.4	78.4	62.6	55.5	8:52 PM	549540.87	62.4	1737800.83	57.4	549540.87	1819700.86
5:19:00	5:19:00	56.7	73.4	61.3	54.9	8:53 PM	467735.14	61.7	1479108.39	56.7	467735.14	1348962.88
5:20:00	5:20:00	56.5	76.4	61.5	54.7	8:54 PM	446683.59	61.5	1412537.54	56.5	446683.59	1412537.54
5:21:00	5:21:00	56.3	71	58.9	55.2	8:55 PM	426579.52	61.3	1348962.88	56.3	426579.52	776247.12
5:22:00	5:22:00	56.2	71.2	58.2	54.4	8:56 PM	416869.38	61.2	1318256.74	56.2	416869.38	660693.45
5:23:00	5:23:00	61.2	82.5	67.7	55.2	8:57 PM	1318256.74	66.2	4168693.83	61.2	1318256.74	5888436.55
5:24:00	5:24:00	55.8	72.9	57	54.6	8:58 PM	380189.40	60.8	1202264.43	55.8	380189.40	501187.23
5:25:00	5:25:00	55.9	75.1	57	55	8:59 PM	389045.14	60.9	1230268.77	55.9	389045.14	501187.23
5:26:00	5:26:00	56.5	70.6	58.1	54.9	9:00 PM	446683.59	61.5	1412537.54	56.5	446683.59	645654.23
5:27:00	5:27:00	56	72.1	57.9	55.1	9:01 PM	398107.17	61	1258925.41	56.0	398107.17	616595.00
5:28:00	5:28:00	55.7	69.9	56.9	54.8	9:02 PM	371535.23	60.7	1174897.55	55.7	371535.23	489778.82
5:29:00	5:29:00	56.3	73.5	57.9	55	9:03 PM	426579.52	61.3	1348962.88	56.3	426579.52	616595.00
5:30:00	5:30:00	56.9	73.5	60.6	54.5	9:04 PM	489778.82	61.9	1548816.62	56.9	489778.82	1148153.62
5:31:00	5:31:00	56.4	77.1	59.7	54.6	9:05 PM	436515.83	61.4	1380384.26	56.4	436515.83	933254.30
5:32:00	5:32:00	56.4	72.7	58.6	55	9:06 PM	436515.83	61.4	1380384.26	56.4	436515.83	724435.96
5:33:00	5:33:00	56	72.3	57.7	54.9	9:07 PM	398107.17	61	1258925.41	56.0	398107.17	588843.66
5:34:00	5:34:00	55.4	71.4	56.6	54.3	9:08 PM	346736.85	60.4	1096478.20	55.4	346736.85	457088.19
5:35:00	5:35:00	55.1	75.3	56.7	54	9:09 PM	323593.66	60.1	1023292.99	55.1	323593.66	467735.14
5:36:00	5:36:00	57.3	77.9	63.8	53.9	9:10 PM	537031.80	62.3	1698243.65	57.3	537031.80	2398832.92
5:37:00	5:37:00	63.2	88.6	72.6	54.1	9:11 PM	2089296.13	68.2	6606934.48	63.2	2089296.13	18197008.59
5:38:00	5:38:00	55.5	78.3	57.3	54.5	9:12 PM	354813.39	60.5	1122018.45	55.5	354813.39	537031.80
5:39:00	5:39:00	55.6	70.3	56.5	54.4	9:13 PM	363078.05	60.6	1148153.62	55.6	363078.05	446683.59
5:40:00	5:40:00	56.4	79.6	58.6	55.5	9:14 PM	436515.83	61.4	1380384.26	56.4	436515.83	724435.96
5:41:00	5:41:00	56.8	74.6	61.5	54.3	9:15 PM	478630.09	61.8	1513561.25	56.8	478630.09	1412537.54
5:42:00	5:42:00	64	84.7	71.1	55.7	9:16 PM	2511886.43	69	7943282.35	64.0	2511886.43	12882495.52
5:43:00	5:43:00	55.6	71.1	56.8	54.2	9:17 PM	363078.05	60.6	1148153.62	55.6	363078.05	478630.09
5:44:00	5:44:00	56.2	79.7	63.5	54.3	9:18 PM	416869.38	61.2	1318256.74	56.2	416869.38	2238721.14
5:45:00	5:45:00	56.1	72.4	58.7	54.6	9:19 PM	407380.28	61.1	1288249.55	56.1	407380.28	741310.24
5:46:00	5:46:00	58.9	85.5	71.1	53.6	9:20 PM	776247.12	63.9	2454708.92	58.9	776247.12	12882495.52
5:47:00	5:47:00	54.5	74	56	53.2	9:21 PM	281838.29	59.5	891250.94	54.5	281838.29	398107.17
5:48:00	5:48:00	55.9	77.3	63.1	53.1	9:22 PM	389045.14	60.9	1230268.77	55.9	389045.14	2041737.94
5:49:00	5:49:00	63.9	86.3	72	53.5	9:23 PM	2454708.92	68.9	7762471.17	63.9	2454708.92	15848931.92
5:50:00	5:50:00	55	75	56.8	53.1	9:24 PM	316227.77	60	1000000.00	55.0	316227.77	478630.09
5:51:00	5:51:00	54	78.3	56.1	52.8	9:25 PM	251188.64	59	794328.23	54.0	251188.64	407380.28
5:52:00	5:52:00	54.2	70.6	56.5	53	9:26 PM	263026.80	59.2	831763.77	54.2	263026.80	446683.59
5:53:00	5:53:00	54.2	70.4	55.8	53	9:27 PM	263026.80	59.2	831763.77	54.2	263026.80	380189.40
5:54:00	5:54:00	53.9	68.2	55.3	53	9:28 PM	245470.89	58.9	776247.12	53.9	245470.89	338844.16
5:55:00	5:55:00	53.9	70.9	55.7	53	9:29 PM	245470.89	58.9	776247.12	53.9	245470.89	371535.23
5:56:00	5:56:00	64.5	86.6	74.3	52.7	9:30 PM	2818382.93	69.5	8912509.38	64.5	2818382.93	26915348.04
5:57:00	5:57:00	54.1	72.4	57.1	52.8	9:31 PM	257039.58	59.1	812830.52	54.1	257039.58	512861.38
5:58:00	5:58:00	53.7	73.7	55.2	52.7	9:32 PM	234422.88	58.7	741310.24	53.7	234422.88	331131.12
5:59:00	5:59:00	56	73.8	60.2	53	9:33 PM	398107.17	61	1258925.41	56.0	398107.17	1047128.55
6:00:00	6:00:00	54.7	70.8	58.9	52.5	9:34 PM	295120.92	59.7	933254.30	54.7	295120.92	776247.12
6:01:00	6:01:00	55.6	90.7	68.3	52.2	9:35 PM	363078.05	60.6	1148153.62	55.6	363078.05	6760829.75
6:02:00	6:02:00	57.4	94.3	71.7	52.2	9:36 PM	549540.87	62.4	1737800.83	57.4	549540.87	14791083.88
6:03:00	6:03:00	52.7	67.2	53.8	51.5	9:37 PM	186208.71	57.7	588843.66	52.7	186208.71	239883.29
6:04:00	6:04:00	56	90.7	68.3	51.4	9:38 PM	398107.17	61	1258925.41	56.0	398107.17	6760829.75
6:05:00	6:05:00	52.7	72.2	54.3	51.5	9:39 PM	186208.71	57.7	588843.66	52.7	186208.71	269153.48
6:06:00	6:06:00	52.5	69.2	56.9	51.2	9:40 PM	177827.94	57.5	562341.33	52.5	177827.94	489778.82
6:07:00	6:07:00	52.5	67.3	56.4	51.6	9:41 PM	177827.94	57.5	562341.33	52.5	177827.94	436515.83
6:08:00	6:08:00	52.9	71	57	51.6	9:42 PM	194984.46	57.9	616595.00	52.9	194984.46	501187.23
6:09:00	6:09:00	57.3	94.7	70.8	51.2	9:43 PM	537031.80	62.3	1698243.65	57.3	537031.80	12022644.35
6:10:00	6:10:00	52.1	66.8	53.3	50.9	9:44 PM	162181.01	57.1	512861.38	52.1	162181.01	213796.21
6:11:00	6:11:00	52.8	78.4	56	51.3	9:45 PM	190546.07	57.8	602559.59	52.8	190546.07	398107.17
6:12:00	6:12:00	52.9	71.1	54.9	51.9	9:46 PM	194984.46	57.9	616595.00	52.9	194984.46	309029.54
6:13:00	6:13:00	52.7	68	55	50.7	9:47 PM	186208.71	57.7	588843.66	52.7	186208.71	316227.77
6:14:00	6:14:00	52.9	72.1	55	50.9	9:48 PM	194984.46	57.9	616595.00	52.9	194984.46	316227.77
6:15:00	6:15:00	52.2	67.4	53.7	51.1	9:49 PM	165958.69	57.2	524807.46	52.2	165958.69	234422.88
6:16:00	6:16:00	52.3	71.1	54.7	50.6	9:50 PM	169824.37	57.3	537031.80	52.3	169824.37	295120.92
6:17:00	6:17:00	54.2	82.3	60.5	51.8	9:51 PM	263026.80	59.2	831763.77	54.2	263026.80	1122018.45
6:18:00	6:18:00	52.7	72.2	54.2	51.5	9:52 PM	186208.71	57.7	588843.66	52.7	186208.71	263026.80
6:19:00	6:19:00	52.8	67.7	54.6	51.5	9:53 PM	190546.07	57.8	602559.59	52.8	190546.07	288403.15
6:20:00	6:20:00	54	74.9	56.7	52.7	9:54 PM	251188.64	59	794328.23	54.0	251188.64	467735.14
6:21:00	6:21:00	52.9	70.8	54.2	51.2	9:55 PM	194984.46	57.9	616595.00	52.9	194984.46	263026.80
6:22:00	6:22:00	51.7	66.1	53.3	50.3	9:56 PM	147910.84	56.7	467735.14	51.7	147910.84	213796.21
6:23:00	6:23:00	53.9	76.2	57.6	51.6	9:57 PM	245470.89	58.9	776247.12	53.9	245470.89	575439.94
6:24:00	6:24:00	54.4	72.9	57.9	52.1	9:58 PM	275422.87	59.4	870963.59	54.4	275422.87	616595.00
6:25:00	6:25:00	53.8	71.4	55.9	52.2	9:59 PM	239883.29	58.8	758577.58	53.8	239883.29	389045.14
6:26:00	6:26:00	54.6	78.2	57.9	52.3	10:00 PM	288403.15	64.6	2884031.50	64.6	2884031.50	616595.00
6:27:00	6:27:00	56.6	78.6	66	51.6	10:01 PM	457088.19	66.6	4570881.90	66.6	4570881.90	3981071.71
6:28:00	6:28:00	55	83.9	59	51.7	10:02 PM	316227.77	65	3162277.66	65.0	3162277.66	794328.23
6:29:00	6:29:00	54.5	72.2	58	52	10:03 PM	281838.29	64.5	2818382.93	64.5	2818382.93	630957.34
6:30:00	6:30:00	54.6	73.7	59.1	52.8	10:04 PM	288403.15	64.6	2884031.50	64.6	2884031.50	812830.52
6:31:00	6:31:00	53.5	71.1	57.6	51.6	10:05 PM	223872.11	63.5	2238721.14	63.5	2238721.14	575439.94
6:32:00	6:32:00	52.7	71.3	55.1	51.1	10:06 PM	186208.71	62.7	1862087.14	62.7		

		Data										
6:56:00	6:56:00	55.3	83	59.7	52.7	10:30 PM	338844.16	65.3	338844.16	65.3	338844.16	933254.30
6:57:00	6:57:00	52.9	69.7	55	51.6	10:31 PM	194984.46	62.9	194984.46	62.9	194984.46	316227.77
6:58:00	6:58:00	53	66.7	54.1	52.1	10:32 PM	199526.23	63	199526.23	63.0	199526.23	257039.58
6:59:00	6:59:00	54.5	77.7	57.4	52.7	10:33 PM	281838.29	64.5	281838.29	64.5	281838.29	549540.87
7:00:00	7:00:00	55.7	80	59.1	54.1	10:34 PM	371535.23	65.7	371535.23	65.7	371535.23	81280.52
7:01:00	7:01:00	55.8	77.5	59.4	52.6	10:35 PM	380189.40	65.8	380189.96	65.8	380189.96	870963.59
7:02:00	7:02:00	53.1	70.4	55.8	51.9	10:36 PM	204173.79	63.1	204173.94	63.1	204173.94	380189.40
7:03:00	7:03:00	56.9	79.1	60.5	53.4	10:37 PM	489778.82	66.9	489778.19	66.9	489778.19	1122018.45
7:04:00	7:04:00	56.7	75.6	60.5	53.2	10:38 PM	467735.14	66.7	467735.14	66.7	467735.14	1122018.45
7:05:00	7:05:00	57.5	77.8	60.7	54.4	10:39 PM	562341.33	67.5	562341.325	67.5	562341.325	1174897.55
7:06:00	7:06:00	54.5	79.5	57.9	52.7	10:40 PM	281838.29	64.5	281838.293	64.5	281838.293	616595.00
7:07:00	7:07:00	54.2	75.3	56.1	52.8	10:41 PM	263026.80	64.2	2630267.99	64.2	2630267.99	407380.28
7:08:00	7:08:00	53.5	68.5	55.5	52.1	10:42 PM	223872.11	63.5	223872.114	63.5	223872.114	354813.39
7:09:00	7:09:00	53.3	81.8	54.7	52.1	10:43 PM	213796.21	63.3	2137962.09	63.3	2137962.09	295120.92
7:10:00	7:10:00	53.1	69	54.5	51.9	10:44 PM	204173.79	63.1	2041737.94	63.1	2041737.94	281838.29
7:11:00	7:11:00	54.3	73.6	56.7	52.7	10:45 PM	269153.48	64.3	2691534.80	64.3	2691534.80	467735.14
7:12:00	7:12:00	55.5	75.8	58.6	53.4	10:46 PM	354813.39	65.5	3548133.89	65.5	3548133.89	724435.96
7:13:00	7:13:00	54	68.6	55.3	52.6	10:47 PM	251188.64	64	2511886.43	64.0	2511886.43	338844.16
7:14:00	7:14:00	53.5	67.9	55.6	52.1	10:48 PM	223872.11	63.5	223872.114	63.5	223872.114	363078.05
7:15:00	7:15:00	53.3	71.1	54.8	52.2	10:49 PM	213796.21	63.3	2137962.09	63.3	2137962.09	301995.17
7:16:00	7:16:00	53	73.6	54.4	52.0	10:50 PM	199526.23	63	1995262.31	63.0	1995262.31	275422.87
7:17:00	7:17:00	54.2	73	58.4	51.9	10:51 PM	263026.80	64.2	2630267.99	64.2	2630267.99	691830.97
7:18:00	7:18:00	52.9	67.1	54	52.1	10:52 PM	194984.46	62.9	1949844.60	62.9	1949844.60	251188.64
7:19:00	7:19:00	53.1	69.7	56.8	52.1	10:53 PM	204173.79	63.1	2041737.94	63.1	2041737.94	478630.09
7:20:00	7:20:00	54.9	71.4	57	53.1	10:54 PM	309029.54	64.9	3090295.43	64.9	3090295.43	501187.23
7:21:00	7:21:00	54.3	73.6	57.4	52.9	10:55 PM	269153.48	64.3	2691534.80	64.3	2691534.80	549540.87
7:22:00	7:22:00	74.6	119.5	92	53.4	10:56 PM	28840315.03	84.6	288403150.31	84.6	288403150.31	1584893192.46
7:23:00	7:23:00	56.1	86.3	58.2	55.1	10:57 PM	407380.28	66.1	4073802.78	66.1	4073802.78	660693.45
7:24:00	7:24:00	56.4	81.2	58.4	55.2	10:58 PM	436515.83	66.4	4365158.32	66.4	4365158.32	691830.97
7:25:00	7:25:00	58.4	83.9	63.9	55.1	10:59 PM	691830.97	68.4	6918309.71	68.4	6918309.71	2454708.92
7:26:00	7:26:00	56.9	74	61	55	11:00 PM	489778.82	66.9	4897788.19	66.9	4897788.19	1258925.41
7:27:00	7:27:00	56.6	95.3	63.9	54.8	11:01 PM	457088.19	66.6	4570881.90	66.6	4570881.90	2454708.92
7:28:00	7:28:00	56.4	81.9	57.9	55	11:02 PM	436515.83	66.4	4365158.32	66.4	4365158.32	616595.00
7:29:00	7:29:00	57	86.1	58.4	55.6	11:03 PM	501187.23	67	5011872.34	67.0	5011872.34	691830.97
7:30:00	7:30:00	56.1	76.4	57.6	54.9	11:04 PM	407380.28	66.1	4073802.78	66.1	4073802.78	575439.94
7:31:00	7:31:00	59.4	97.2	66.7	55.4	11:05 PM	870963.59	69.4	8709635.90	69.4	8709635.90	467735.14
7:32:00	7:32:00	56.9	88.5	60.6	55.8	11:06 PM	489778.82	66.9	4897788.19	66.9	4897788.19	1148153.62
7:33:00	7:33:00	55.9	82.9	57.3	54.6	11:07 PM	389045.14	65.9	3890451.45	65.9	3890451.45	537031.80
7:34:00	7:34:00	57.7	85.7	59.5	56	11:08 PM	588843.66	67.7	5888436.55	67.7	5888436.55	891250.94
7:35:00	7:35:00	57.5	87.7	59.4	55.5	11:09 PM	562341.33	67.5	5623413.25	67.5	5623413.25	870963.59
7:36:00	7:36:00	57.1	90.1	59.5	55	11:10 PM	512861.38	67.1	5128613.84	67.1	5128613.84	891250.94
7:37:00	7:37:00	58.1	86.5	59.7	56.2	11:11 PM	645654.23	68.1	6456542.29	68.1	6456542.29	933254.30
7:38:00	7:38:00	59.9	100.9	66.2	56.3	11:12 PM	977237.22	69.9	9772372.21	69.9	9772372.21	4168693.83
7:39:00	7:39:00	56.9	90.8	59.2	55.6	11:13 PM	489778.82	66.9	4897788.19	66.9	4897788.19	831763.77
7:40:00	7:40:00	55.9	70.5	56.8	55.2	11:14 PM	389045.14	65.9	3890451.45	65.9	3890451.45	478630.09
7:41:00	7:41:00	56.9	89.7	58.9	55.5	11:15 PM	489778.82	66.9	4897788.19	66.9	4897788.19	776247.12
7:42:00	7:42:00	56.6	87.8	58.7	55.6	11:16 PM	457088.19	66.6	4570881.90	66.6	4570881.90	741310.24
7:43:00	7:43:00	56.5	71.8	59.4	54.9	11:17 PM	446683.59	66.5	4466835.92	66.5	4466835.92	870963.59
7:44:00	7:44:00	57.1	77.6	60.9	55.8	11:18 PM	512861.38	67.1	5128613.84	67.1	5128613.84	1230268.77
7:45:00	7:45:00	56.8	76.9	59.7	55	11:19 PM	478630.09	66.8	4786300.92	66.8	4786300.92	933254.30
7:46:00	7:46:00	57.1	93.9	58.9	54.8	11:20 PM	407380.28	66.1	4073802.78	66.1	4073802.78	776247.12
7:47:00	7:47:00	55.8	82.7	56.9	54.7	11:21 PM	380189.40	65.8	3801893.96	65.8	3801893.96	489778.82
7:48:00	7:48:00	56.7	90	58.5	55.1	11:22 PM	467735.14	66.7	4677351.41	66.7	4677351.41	707945.78
7:49:00	7:49:00	57.1	81.6	60.7	55.3	11:23 PM	512861.38	67.1	5128613.84	67.1	5128613.84	1174897.55
7:50:00	7:50:00	57.8	76.9	61.7	55.2	11:24 PM	602559.59	67.8	6025595.86	67.8	6025595.86	1479108.39
7:51:00	7:51:00	57.2	84.4	61.8	55	11:25 PM	524807.46	67.2	5248074.60	67.2	5248074.60	1513561.25
7:52:00	7:52:00	55.6	75.1	56.7	54.7	11:26 PM	363078.05	65.6	3630780.55	65.6	3630780.55	467735.14
7:53:00	7:53:00	56.2	79.9	59.8	54.7	11:27 PM	416869.38	66.2	4168693.83	66.2	4168693.83	954992.59
7:54:00	7:54:00	56.3	85.2	57.3	55.4	11:28 PM	426579.52	66.3	4265795.19	66.3	4265795.19	537031.80
7:55:00	7:55:00	55.7	73.4	56.9	54.9	11:29 PM	371535.23	65.7	3715352.29	65.7	3715352.29	489778.82
7:56:00	7:56:00	55.8	70.9	57.1	55	11:30 PM	380189.40	65.8	3801893.96	65.8	3801893.96	512861.38
7:57:00	7:57:00	56.1	71.1	58.8	54.8	11:31 PM	407380.28	66.1	4073802.78	66.1	4073802.78	75857.58
7:58:00	7:58:00	55.6	72.3	57.3	54.5	11:32 PM	363078.05	65.6	3630780.55	65.6	3630780.55	537031.80
7:59:00	7:59:00	56.6	75.1	61.7	54.3	11:33 PM	457088.19	66.6	4570881.90	66.6	4570881.90	1479108.39
8:00:00	8:00:00	55.8	77.9	57.1	54.9	11:34 PM	380189.40	65.8	3801893.96	65.8	3801893.96	512861.38
8:01:00	8:01:00	55.6	70.1	56.8	54.5	11:35 PM	363078.05	65.6	3630780.55	65.6	3630780.55	478630.09
8:02:00	8:02:00	55.8	79.2	59.1	54.6	11:36 PM	380189.40	65.8	3801893.96	65.8	3801893.96	812830.52
8:03:00	8:03:00	56	75.9	58.6	55	11:37 PM	398107.17	66	3981071.71	66.0	3981071.71	724435.96
8:04:00	8:04:00	55.7	72.2	56.9	55	11:38 PM	371535.23	65.7	3715352.29	65.7	3715352.29	489778.82
8:05:00	8:05:00	55.8	74.7	56.8	55	11:39 PM	380189.40	65.8	3801893.96	65.8	3801893.96	478630.09
8:06:00	8:06:00	55.9	70.7	56.8	55.1	11:40 PM	389045.14	65.9	3890451.45	65.9	3890451.45	478630.09
8:07:00	8:07:00	56.4	82.1	61.9	54.9	11:41 PM	436515.83	66.4	4365158.32	66.4	4365158.32	1548816.62
8:08:00	8:08:00	55.8	69.9	56.8	54.8	11:42 PM	380189.40	65.8	3801893.96	65.8	3801893.96	478630.09
8:09:00	8:09:00	56.7	73.2	59.1	55.4	11:43 PM	467735.14	66.7	4677351.41	66.7	4677351.41	812830.52
8:10:00	8:10:00	55.9	76.4	58	54.5	11:44 PM	389045.14	65.9	3890451.45	65.9	3890451.45	630957.34
8:11:00	8:11:00	55.7	71.5	56.8	54.9	11:45 PM	371535.23	65.7	3715352.29	65.7	3715352.29	478630.09
8:12:00	8:12:00	56.1	81.3	61.2	54.6	11:46 PM	407380.28	66.1	4073802.78	66.1	4073802.78	1318256.74
8:13:00	8:13:00	57.1	80.8	61.8	55.1	11:47 PM	512861.38	67.1	5128613.84	67.1	5128613.84	1513561.25
8:14:00	8:14:00	55.6	78.6	58.2	54.6	11:48 PM	363078.05	65.6	3630780.55	65.6	3630780.55	660693.45
8:15:00	8:15:00	56.1	76.4	58.5	55.1	11:49 PM	407380.28	66.1	4073802.78	66.1	4073802.78	707945.78
8:16:00	8:16:00	55.9	77.4	56.8	55.1	11:50 PM	389045.14					

Data

8:41:00	8:41:00	57.7	103	66.4	55.3	12:15 AM	588843.66	67.7	588843.66	67.7	588843.66	4365158.32
8:42:00	8:42:00	57.3	84.9	65.5	55	12:16 AM	537031.80	67.3	537031.80	67.3	537031.80	3548133.89
8:43:00	8:43:00	55.9	70.5	57.3	54.7	12:17 AM	389045.14	65.9	389045.14	65.9	389045.14	537031.80
8:44:00	8:44:00	57.9	73.1	61.1	55.3	12:18 AM	616595.00	67.9	616595.00	67.9	616595.00	1288249.55
8:45:00	8:45:00	55.5	72.7	56.6	54.7	12:19 AM	354813.39	65.5	354813.39	65.5	354813.39	457088.19
8:46:00	8:46:00	55.2	68.7	56.3	54.4	12:20 AM	331131.12	65.2	331131.12	65.2	331131.12	426579.52
8:47:00	8:47:00	55.3	69.3	56.3	54.2	12:21 AM	338844.16	65.3	338844.16	65.3	338844.16	426579.52
8:48:00	8:48:00	56.3	76.5	57.7	55	12:22 AM	426579.52	66.3	426579.52	66.3	426579.52	588843.66
8:49:00	8:49:00	55.5	84.9	58.5	53.8	12:23 AM	354813.39	65.5	354813.39	65.5	354813.39	707945.78
8:50:00	8:50:00	55.3	71.4	56.9	54.2	12:24 AM	338844.16	65.3	338844.16	65.3	338844.16	489778.82
8:51:00	8:51:00	55	69.1	56.2	54.1	12:25 AM	316227.77	65	316227.77	65.0	316227.77	416869.38
8:52:00	8:52:00	55.8	82.7	57.3	54.9	12:26 AM	380189.40	65.8	380189.40	65.8	380189.40	537031.80
8:53:00	8:53:00	55.2	69	56	54.3	12:27 AM	331131.12	65.2	331131.12	65.2	331131.12	398107.17
8:54:00	8:54:00	54.8	77.8	58.7	53.9	12:28 AM	301995.17	64.8	301995.17	64.8	301995.17	741310.24
8:55:00	8:55:00	54.7	68.7	55.6	53.8	12:29 AM	295120.92	64.7	295120.92	64.7	295120.92	363078.05
8:56:00	8:56:00	55	70.6	58	54.1	12:30 AM	316227.77	65	316227.77	65.0	316227.77	630957.34
8:57:00	8:57:00	55.1	76.2	56.3	54.2	12:31 AM	323593.66	65.1	323593.66	65.1	323593.66	426579.52
8:58:00	8:58:00	57.5	88.2	62.6	53.8	12:32 AM	562341.25	67.5	562341.25	67.5	562341.25	1819700.86
8:59:00	8:59:00	55.3	77	57.7	54.2	12:33 AM	338844.16	65.3	338844.16	65.3	338844.16	588843.66
9:00:00	9:00:00	55.3	69.4	57.2	54.3	12:34 AM	338844.16	65.3	338844.16	65.3	338844.16	524807.46
9:01:00	9:01:00	55.3	71.6	56.3	53.8	12:35 AM	338844.16	65.3	338844.16	65.3	338844.16	426579.52
9:02:00	9:02:00	55.8	70.3	56.1	54	12:36 AM	301995.17	64.8	301995.17	64.8	301995.17	407380.28
9:03:00	9:03:00	54.5	84.9	59.6	54.2	12:37 AM	354813.39	65.5	354813.39	65.5	354813.39	912010.84
9:04:00	9:04:00	55.3	71.9	58.1	54.3	12:38 AM	338844.16	65.3	338844.16	65.3	338844.16	645654.23
9:05:00	9:05:00	54.9	80.7	55.8	54.1	12:39 AM	309029.54	64.9	309029.54	64.9	309029.54	380189.40
9:06:00	9:06:00	54.9	74.1	56.4	53.8	12:40 AM	309029.54	64.9	309029.54	64.9	309029.54	436515.83
9:07:00	9:07:00	54.5	70.7	55.6	53.6	12:41 AM	281838.29	64.5	281838.29	64.5	281838.29	363078.05
9:08:00	9:08:00	54.6	68.3	55.3	53.9	12:42 AM	288403.15	64.6	288403.15	64.6	288403.15	338844.16
9:09:00	9:09:00	54.7	68.2	55.6	54	12:43 AM	295120.92	64.7	295120.92	64.7	295120.92	363078.05
9:10:00	9:10:00	54.9	68.5	55.9	53.9	12:44 AM	309029.54	64.9	309029.54	64.9	309029.54	389045.14
9:11:00	9:11:00	55	69	56.1	53.9	12:45 AM	316227.77	65	316227.77	65.0	316227.77	407380.28
9:12:00	9:12:00	54.4	68.8	55.3	53.8	12:46 AM	275422.87	64.4	275422.87	64.4	275422.87	338844.16
9:13:00	9:13:00	54.6	68.8	55.3	53.8	12:47 AM	288403.15	64.6	288403.15	64.6	288403.15	338844.16
9:14:00	9:14:00	54.5	69.5	55.6	53.6	12:48 AM	281838.29	64.5	281838.29	64.5	281838.29	363078.05
9:15:00	9:15:00	54.5	68.5	55.8	53.8	12:49 AM	281838.29	64.5	281838.29	64.5	281838.29	380189.40
9:16:00	9:16:00	55	69.7	56.5	54.1	12:50 AM	316227.77	65	316227.77	65.0	316227.77	446683.59
9:17:00	9:17:00	55.3	69	56.8	54.1	12:51 AM	338844.16	65.3	338844.16	65.3	338844.16	478630.09
9:18:00	9:18:00	55	69.1	56	54.1	12:52 AM	316227.77	65	316227.77	65.0	316227.77	398107.17
9:19:00	9:19:00	54.9	70.3	56	54	12:53 AM	309029.54	64.9	309029.54	64.9	309029.54	398107.17
9:20:00	9:20:00	54	68.4	54.7	53.5	12:54 AM	251188.64	64	251188.64	64.0	251188.64	295120.92
9:21:00	9:21:00	54.6	69.4	56	53.7	12:55 AM	288403.15	64.6	288403.15	64.6	288403.15	398107.17
9:22:00	9:22:00	54.6	70.4	55.7	53.5	12:56 AM	288403.15	64.6	288403.15	64.6	288403.15	371535.23
9:23:00	9:23:00	54.7	73	56	54.1	12:57 AM	295120.92	64.7	295120.92	64.7	295120.92	398107.17
9:24:00	9:24:00	54.5	67.9	55.9	53.3	12:58 AM	281838.29	64.5	281838.29	64.5	281838.29	389045.14
9:25:00	9:25:00	54.3	68.1	55.2	53.7	12:59 AM	269153.48	64.3	269153.48	64.3	269153.48	331131.12
9:26:00	9:26:00	54.3	67.1	55.4	53.8	1:00 AM	269153.48	64.3	269153.48	64.3	269153.48	346736.85
9:27:00	9:27:00	54.8	68.3	56	53.8	1:01 AM	301995.17	64.8	301995.17	64.8	301995.17	398107.17
9:28:00	9:28:00	54.3	68.9	55.1	53.6	1:02 AM	269153.48	64.3	269153.48	64.3	269153.48	323593.66
9:29:00	9:29:00	54.9	68.7	56.1	54.1	1:03 AM	309029.54	64.9	309029.54	64.9	309029.54	407380.28
9:30:00	9:30:00	55.2	70.9	56.7	54.2	1:04 AM	331131.12	65.2	331131.12	65.2	331131.12	467735.14
9:31:00	9:31:00	54.7	69	56.3	54.1	1:05 AM	295120.92	64.7	295120.92	64.7	295120.92	426579.52
9:32:00	9:32:00	54.9	70.3	57.1	53.9	1:06 AM	309029.54	64.9	309029.54	64.9	309029.54	512861.38
9:33:00	9:33:00	55.4	69.1	56.3	54.1	1:07 AM	346736.85	65.4	346736.85	65.4	346736.85	426579.52
9:34:00	9:34:00	55.3	70.2	56.7	54.4	1:08 AM	338844.16	65.3	338844.16	65.3	338844.16	467735.14
9:35:00	9:35:00	55.1	69.2	55.9	54.4	1:09 AM	323593.66	65.1	323593.66	65.1	323593.66	389045.14
9:36:00	9:36:00	54.7	71.2	55.8	54	1:10 AM	295120.92	64.7	295120.92	64.7	295120.92	380189.40
9:37:00	9:37:00	54.6	67.8	55.7	54	1:11 AM	288403.15	64.6	288403.15	64.6	288403.15	371535.23
9:38:00	9:38:00	54.5	68.3	55.1	53.8	1:12 AM	281838.29	64.5	281838.29	64.5	281838.29	323593.66
9:39:00	9:39:00	55.1	76	58.2	54.3	1:13 AM	323593.66	65.1	323593.66	65.1	323593.66	660693.45
9:40:00	9:40:00	55	68.8	56.6	54.5	1:14 AM	316227.77	65	316227.77	65.0	316227.77	457088.19
9:41:00	9:41:00	55.2	69.9	56.4	54.3	1:15 AM	331131.12	65.2	331131.12	65.2	331131.12	436515.83
9:42:00	9:42:00	54.2	69.8	55.8	53.7	1:16 AM	295120.92	64.7	295120.92	64.7	295120.92	380189.40
9:43:00	9:43:00	55	72.5	55.9	53.6	1:17 AM	316227.77	65	316227.77	65.0	316227.77	389045.14
9:44:00	9:44:00	54.7	69.2	55.6	53.9	1:18 AM	295120.92	64.7	295120.92	64.7	295120.92	363078.05
9:45:00	9:45:00	55	69.9	57.2	54.1	1:19 AM	316227.77	65	316227.77	65.0	316227.77	524807.46
9:46:00	9:46:00	55.7	74.2	61.8	54	1:20 AM	371535.23	65.7	371535.23	65.7	371535.23	1513561.25
9:47:00	9:47:00	55.3	70.8	58.1	54.1	1:21 AM	338844.16	65.3	338844.16	65.3	338844.16	645654.23
9:48:00	9:48:00	55.7	75.4	58.4	54.7	1:22 AM	371535.23	65.7	371535.23	65.7	371535.23	691830.97
9:49:00	9:49:00	55.9	77.9	61.4	54	1:23 AM	389045.14	65.9	389045.14	65.9	389045.14	1380384.26
9:50:00	9:50:00	55.7	75.5	60.2	54.3	1:24 AM	371535.23	65.7	371535.23	65.7	371535.23	1047128.55
9:51:00	9:51:00	55.8	76.6	58.1	54.5	1:25 AM	380189.40	65.8	380189.40	65.8	380189.40	645654.23
9:52:00	9:52:00	55.5	82.9	57.5	54.7	1:26 AM	354813.39	65.5	354813.39	65.5	354813.39	562341.33
9:53:00	9:53:00	55.9	70.3	57.2	54.8	1:27 AM	389045.14	65.9	389045.14	65.9	389045.14	524807.46
9:54:00	9:54:00	55.3	69.7	56.4	54.2	1:28 AM	338844.16	65.3	338844.16	65.3	338844.16	436515.83
9:55:00	9:55:00	55.3	70.3	56.2	54.4	1:29 AM	338844.16	65.3	338844.16	65.3	338844.16	416869.38
9:56:00	9:56:00	55.3	68.8	56.6	54.6	1:30 AM	338844.16	65.3	338844.16	65.3	338844.16	457088.19
9:57:00	9:57:00	55	70.1	56.7	54.3	1:31 AM	316227.77	65	316227.77	65.0	316227.77	467735.14
9:58:00	9:58:00	55.5	88	57.8	54.3	1:32 AM	354813.39	65.5	354813.39	65.5	354813.39	602559.59
9:59:00	9:59:00	54.9	69.1	55.8	54	1:33 AM	309029.54	64.9	309029.54	64.9	309029.54	380189.40
10:00:00	10:00:00	55.1	70.9	56.2	54.1	1:34 AM	323593.66	65.1	323593.66	65.1	323593.66	416869.38
10:01:00	10:01:00	55	68.8	55.9	54.3	1:35 AM	316227.77	65	316227.77	65.0	316227.77	389045.14
10:02:00	10:02:00	54.9	68.7	55.7	54.2	1:36 AM	309029.54	64.9	309029.54	64.9	309029.54	371535.23
10:03:00	10:03											

Data

10:26:00	10:26:00	54.4	68.6	55.2	53.6	2:00 AM	275422.87	64.4	2754228.70	64.4	2754228.70	331131.12
10:27:00	10:27:00	55	68.7	56	54.1	2:01 AM	316227.77	65	3162277.66	65.0	3162277.66	398107.17
10:28:00	10:28:00	54.6	68.8	56.1	53.9	2:02 AM	288403.15	64.6	2884031.50	64.6	2884031.50	407380.28
10:29:00	10:29:00	54.6	74	55.6	53.6	2:03 AM	288403.15	64.6	2884031.50	64.6	2884031.50	363078.05
10:30:00	10:30:00	54.8	72.2	55.9	54	2:04 AM	301995.17	64.8	3019951.72	64.8	3019951.72	389045.14
10:31:00	10:31:00	54.7	68.3	55.5	54.1	2:05 AM	295120.92	64.7	2951209.23	64.7	2951209.23	354813.39
10:32:00	10:32:00	54.5	68	55.3	54	2:06 AM	281838.29	64.5	2818382.93	64.5	2818382.93	338844.16
10:33:00	10:33:00	55	69	57	53.8	2:07 AM	316227.77	65	3162277.66	65.0	3162277.66	501187.23
10:34:00	10:34:00	54.7	70.3	56.1	53.8	2:08 AM	295120.92	64.7	2951209.23	64.7	2951209.23	407380.28
10:35:00	10:35:00	54.8	68.2	55.8	54.1	2:09 AM	301995.17	64.8	3019951.72	64.8	3019951.72	380189.40
10:36:00	10:36:00	54.6	68.1	55.7	53.5	2:10 AM	288403.15	64.6	2884031.50	64.6	2884031.50	371535.23
10:37:00	10:37:00	55.3	74.2	57.2	54.1	2:11 AM	338844.16	65.3	3388441.56	65.3	3388441.56	524807.46
10:38:00	10:38:00	55	75.2	57.2	53.9	2:12 AM	316227.77	65	3162277.66	65.0	3162277.66	524807.46
10:39:00	10:39:00	54.4	68.2	55.7	53.5	2:13 AM	275422.87	64.4	2754228.70	64.4	2754228.70	371535.23
10:40:00	10:40:00	54.7	68.9	55.6	53.8	2:14 AM	295120.92	64.7	2951209.23	64.7	2951209.23	363078.05
10:41:00	10:41:00	55.3	72.6	56.3	54.3	2:15 AM	338844.16	65.3	3388441.56	65.3	3388441.56	426579.52
10:42:00	10:42:00	55.4	70.2	57	54.5	2:16 AM	346736.85	65.4	3467368.50	65.4	3467368.50	501187.23
10:43:00	10:43:00	55	69.7	56.7	54.2	2:17 AM	316227.77	65	3162277.66	65.0	3162277.66	467735.14
10:44:00	10:44:00	55.3	69.7	57	54.1	2:18 AM	338844.16	65.3	3388441.56	65.3	3388441.56	501187.23
10:45:00	10:45:00	55.4	70.7	58.6	54.1	2:19 AM	346736.85	65.4	3467368.50	65.4	3467368.50	724435.96
10:46:00	10:46:00	54.8	73.8	56.7	53.8	2:20 AM	301995.17	64.8	3019951.72	64.8	3019951.72	467735.14
10:47:00	10:47:00	54.9	70.1	55.8	54	2:21 AM	309029.54	64.9	3090295.43	64.9	3090295.43	380189.40
10:48:00	10:48:00	55	70.3	56.2	54.3	2:22 AM	316227.77	65	3162277.66	65.0	3162277.66	416869.38
10:49:00	10:49:00	54.6	69.4	56.3	53.9	2:23 AM	288403.15	64.6	2884031.50	64.6	2884031.50	426579.52
10:50:00	10:50:00	55	70	56.3	54.2	2:24 AM	316227.77	65	3162277.66	65.0	3162277.66	426579.52
10:51:00	10:51:00	55.5	71.1	56.7	54.6	2:25 AM	354813.39	65.5	3548133.89	65.5	3548133.89	467735.14
10:52:00	10:52:00	55.2	72.2	56.6	54.1	2:26 AM	331131.12	65.2	3311311.21	65.2	3311311.21	457088.19
10:53:00	10:53:00	55.1	70.7	56.6	53.7	2:27 AM	323593.66	65.1	3235936.57	65.1	3235936.57	457088.19
10:54:00	10:54:00	54.8	69.1	56.2	53.9	2:28 AM	301995.17	64.8	3019951.72	64.8	3019951.72	416869.38
10:55:00	10:55:00	55.1	69	56.3	54.1	2:29 AM	323593.66	65.1	3235936.57	65.1	3235936.57	426579.52
10:56:00	10:56:00	55.2	72.1	56.1	54.1	2:30 AM	331131.12	65.2	3311311.21	65.2	3311311.21	407380.28
10:57:00	10:57:00	54.8	72.4	55.9	53.8	2:31 AM	301995.17	64.8	3019951.72	64.8	3019951.72	389045.14
10:58:00	10:58:00	54.8	69.3	55.8	54	2:32 AM	301995.17	64.8	3019951.72	64.8	3019951.72	380189.40
10:59:00	10:59:00	55	68.9	56.6	54.1	2:33 AM	316227.77	65	3162277.66	65.0	3162277.66	457088.19
11:00:00	11:00:00	54.7	68.1	55.7	53.6	2:34 AM	295120.92	64.7	2951209.23	64.7	2951209.23	371535.23
11:01:00	11:01:00	54.9	69.9	57.1	54.1	2:35 AM	309029.54	64.9	3090295.43	64.9	3090295.43	512861.38
11:02:00	11:02:00	55.1	69.1	56.9	54.2	2:36 AM	323593.66	65.1	3235936.57	65.1	3235936.57	489778.82
11:03:00	11:03:00	55	69.2	56.6	54	2:37 AM	316227.77	65	3162277.66	65.0	3162277.66	457088.19
11:04:00	11:04:00	54.5	67.8	55.4	53.7	2:38 AM	281838.29	64.5	2818382.93	64.5	2818382.93	346736.85
11:05:00	11:05:00	54.9	70.7	57.3	54	2:39 AM	309029.54	64.9	3090295.43	64.9	3090295.43	537031.80
11:06:00	11:06:00	54.9	69.7	55.8	54.2	2:40 AM	309029.54	64.9	3090295.43	64.9	3090295.43	380189.40
11:07:00	11:07:00	54.6	68.6	55.7	53.7	2:41 AM	288403.15	64.6	2884031.50	64.6	2884031.50	371535.23
11:08:00	11:08:00	54.7	68.1	55.6	53.7	2:42 AM	295120.92	64.7	2951209.23	64.7	2951209.23	363078.05
11:09:00	11:09:00	55.1	69.4	56.1	53.9	2:43 AM	323593.66	65.1	3235936.57	65.1	3235936.57	407380.28
11:10:00	11:10:00	54.8	68.6	55.7	54.1	2:44 AM	301995.17	64.8	3019951.72	64.8	3019951.72	371535.23
11:11:00	11:11:00	54.7	68.2	55.5	53.7	2:45 AM	295120.92	64.7	2951209.23	64.7	2951209.23	354813.39
11:12:00	11:12:00	54.8	76.9	56.4	53.9	2:46 AM	301995.17	64.8	3019951.72	64.8	3019951.72	436515.83
11:13:00	11:13:00	54.7	69	55.7	53.8	2:47 AM	295120.92	64.7	2951209.23	64.7	2951209.23	371535.23
11:14:00	11:14:00	54.8	69.6	56	53.9	2:48 AM	301995.17	64.8	3019951.72	64.8	3019951.72	398107.17
11:15:00	11:15:00	54.7	68.6	55.6	54	2:49 AM	295120.92	64.7	2951209.23	64.7	2951209.23	363078.05
11:16:00	11:16:00	54.7	68.9	55.6	54.1	2:50 AM	295120.92	64.7	2951209.23	64.7	2951209.23	363078.05
11:17:00	11:17:00	54.7	68.6	55.6	54	2:51 AM	295120.92	64.7	2951209.23	64.7	2951209.23	363078.05
11:18:00	11:18:00	55	79.3	57.2	54.1	2:52 AM	316227.77	65	3162277.66	65.0	3162277.66	524807.46
11:19:00	11:19:00	54.8	68.5	55.8	53.9	2:53 AM	301995.17	64.8	3019951.72	64.8	3019951.72	380189.40
11:20:00	11:20:00	54.7	70	55.8	54	2:54 AM	295120.92	64.7	2951209.23	64.7	2951209.23	380189.40
11:21:00	11:21:00	54.8	69.3	56.5	53.6	2:55 AM	301995.17	64.8	3019951.72	64.8	3019951.72	446683.59
11:22:00	11:22:00	54.6	68.9	55.6	53.9	2:56 AM	288403.15	64.6	2884031.50	64.6	2884031.50	363078.05
11:23:00	11:23:00	55	70.2	55.9	54	2:57 AM	316227.77	65	3162277.66	65.0	3162277.66	389045.14
11:24:00	11:24:00	55.5	69.8	57.2	53.9	2:58 AM	354813.39	65.5	3548133.89	65.5	3548133.89	524807.46
11:25:00	11:25:00	55.2	69	55.9	53.9	2:59 AM	331131.12	65.2	3311311.21	65.2	3311311.21	389045.14
11:26:00	11:26:00	55.3	75.7	56.6	54	3:00 AM	338844.16	65.3	3388441.56	65.3	3388441.56	457088.19
11:27:00	11:27:00	55	70.9	56.2	54.3	3:01 AM	316227.77	65	3162277.66	65.0	3162277.66	416869.38
11:28:00	11:28:00	54.8	68.6	55.7	53.8	3:02 AM	301995.17	64.8	3019951.72	64.8	3019951.72	371535.23
11:29:00	11:29:00	54.6	69.1	55.8	53.9	3:03 AM	288403.15	64.6	2884031.50	64.6	2884031.50	380189.40
11:30:00	11:30:00	54.8	76.9	57.3	54.1	3:04 AM	301995.17	64.8	3019951.72	64.8	3019951.72	537031.80
11:31:00	11:31:00	54.8	68.4	55.7	54.1	3:05 AM	301995.17	64.8	3019951.72	64.8	3019951.72	371535.23
11:32:00	11:32:00	54.8	69.1	55.7	54.1	3:06 AM	301995.17	64.8	3019951.72	64.8	3019951.72	371535.23
11:33:00	11:33:00	55.1	69	56.2	54.1	3:07 AM	323593.66	65.1	3235936.57	65.1	3235936.57	416869.38
11:34:00	11:34:00	54.8	68.1	55.6	54.1	3:08 AM	301995.17	64.8	3019951.72	64.8	3019951.72	363078.05
11:35:00	11:35:00	54.6	68.7	55.7	54	3:09 AM	288403.15	64.6	2884031.50	64.6	2884031.50	371535.23
11:36:00	11:36:00	55.4	72.3	56.8	54	3:10 AM	346736.85	65.4	3467368.50	65.4	3467368.50	478630.09
11:37:00	11:37:00	55	77.5	57.2	54	3:11 AM	316227.77	65	3162277.66	65.0	3162277.66	524807.46
11:38:00	11:38:00	54.6	68.8	55.9	53.6	3:12 AM	288403.15	64.6	2884031.50	64.6	2884031.50	389045.14
11:39:00	11:39:00	54.4	68.6	55.4	53.7	3:13 AM	275422.87	64.4	2754228.70	64.4	2754228.70	346736.85
11:40:00	11:40:00	54.7	69.2	55.9	53.7	3:14 AM	295120.92	64.7	2951209.23	64.7	2951209.23	389045.14
11:41:00	11:41:00	55	71.2	59.5	53.7	3:15 AM	316227.77	65	3162277.66	65.0	3162277.66	891250.94
11:42:00	11:42:00	54.6	69.3	55.5	53.6	3:16 AM	288403.15	64.6	2884031.50	64.6	2884031.50	354813.39
11:43:00	11:43:00	54.6	69.3	55.6	53.9	3:17 AM	288403.15	64.6	2884031.50	64.6	2884031.50	363078.05
11:44:00	11:44:00	54.5	68	55.7	53.8	3:18 AM	281838.29	64.5	2818382.93	64.5	2818382.93	371535.23
11:45:00	11:45:00	54.4	67.9	55.4	53.6	3:19 AM	275422.87	64.4	2754228.70	64.4	2754228.70	346736.85
11:46:00	11:46:00	55.6	87.2	65.4	53.9	3:20 AM						

## Data

12:11:00	12:11:00	57.2	75.8	61.5	54.4	3:45 AM	524807.46	67.2	524807.46	67.2	524807.46	1412537.54
12:12:00	12:12:00	57.8	72.8	60.3	55.5	3:46 AM	602559.59	67.8	602559.59	67.8	602559.59	1071519.31
12:13:00	12:13:00	55.7	70.1	56.5	54.5	3:47 AM	371535.23	65.7	371535.23	65.7	371535.23	446683.59
12:14:00	12:14:00	55.7	70.1	57.2	54.4	3:48 AM	371535.23	65.7	371535.23	65.7	371535.23	524807.46
12:15:00	12:15:00	55.5	70.3	57.6	54.3	3:49 AM	354813.39	65.5	354813.39	65.5	354813.39	575439.94
12:16:00	12:16:00	55.3	70.2	56.1	54.4	3:50 AM	338844.16	65.3	338844.16	65.3	338844.16	407380.28
12:17:00	12:17:00	55.3	69.4	57.6	54.3	3:51 AM	338844.16	65.3	338844.16	65.3	338844.16	575439.94
12:18:00	12:18:00	54.9	68.1	55.6	54.1	3:52 AM	309029.54	64.9	309029.54	64.9	309029.54	363078.05
12:19:00	12:19:00	55.2	69	56.1	54.3	3:53 AM	331131.12	65.2	331131.12	65.2	331131.12	407380.28
12:20:00	12:20:00	55.5	73.3	57.2	54.1	3:54 AM	354813.39	65.5	354813.39	65.5	354813.39	524807.46
12:21:00	12:21:00	54.7	68.7	55.7	53.9	3:55 AM	295120.92	64.7	295120.92	64.7	295120.92	371535.23
12:22:00	12:22:00	54.5	67.9	55.4	53.8	3:56 AM	281838.29	64.5	281838.29	64.5	281838.29	346736.85
12:23:00	12:23:00	54.6	68.4	55.4	53.8	3:57 AM	288403.15	64.6	288403.15	64.6	288403.15	346736.85
12:24:00	12:24:00	54.8	68.9	56.2	53.9	3:58 AM	301995.17	64.8	301995.17	64.8	301995.17	416869.38
12:25:00	12:25:00	56	73.2	60.3	54.7	3:59 AM	398107.17	66	398107.17	66.0	398107.17	1071519.31
12:26:00	12:26:00	55.4	69.1	56.5	54.3	4:00 AM	346736.85	65.4	346736.85	65.4	346736.85	446683.59
12:27:00	12:27:00	55.9	70.3	58.5	54.9	4:01 AM	389045.14	65.9	389045.14	65.9	389045.14	707945.78
12:28:00	12:28:00	55.1	69.2	55.8	54.3	4:02 AM	323593.66	65.1	323593.66	65.1	323593.66	380189.40
12:29:00	12:29:00	55.2	69.9	56.4	54.4	4:03 AM	331131.12	65.2	331131.12	65.2	331131.12	436515.83
12:30:00	12:30:00	54.8	69.3	57.1	54.1	4:04 AM	301995.17	64.8	301995.17	64.8	301995.17	512861.38
12:31:00	12:31:00	54.8	69.3	55.5	54.1	4:05 AM	301995.17	64.8	301995.17	64.8	301995.17	354813.39
12:32:00	12:32:00	55	69	55.6	54.2	4:06 AM	316227.77	65	316227.77	65.0	316227.77	363078.05
12:33:00	12:33:00	55.1	69.6	56	54.2	4:07 AM	323593.66	65.1	323593.66	65.1	323593.66	398107.17
12:34:00	12:34:00	55.3	69.5	56.8	54.1	4:08 AM	338844.16	65.3	338844.16	65.3	338844.16	478630.09
12:35:00	12:35:00	55.5	70.2	57.7	53.9	4:09 AM	354813.39	65.5	354813.39	65.5	354813.39	588843.66
12:36:00	12:36:00	54.8	68.1	55.8	54	4:10 AM	301995.17	64.8	301995.17	64.8	301995.17	380189.40
12:37:00	12:37:00	54.7	69.9	55.3	53.9	4:11 AM	295120.92	64.7	295120.92	64.7	295120.92	338844.16
12:38:00	12:38:00	54.9	69	55.5	54.2	4:12 AM	309029.54	64.9	309029.54	64.9	309029.54	354813.39
12:39:00	12:39:00	55.8	69.8	56.9	54.7	4:13 AM	380189.40	65.8	380189.40	65.8	380189.40	489778.19
12:40:00	12:40:00	55.5	69.5	56.7	54.5	4:14 AM	354813.39	65.5	354813.39	65.5	354813.39	467735.14
12:41:00	12:41:00	55.2	69.8	56.3	54.3	4:15 AM	331131.12	65.2	331131.12	65.2	331131.12	426579.52
12:42:00	12:42:00	55.8	83.5	57.2	54.7	4:16 AM	380189.40	65.8	380189.40	65.8	380189.40	524807.46
12:43:00	12:43:00	55.3	69.3	56.3	54.6	4:17 AM	338844.16	65.3	338844.16	65.3	338844.16	426579.52
12:44:00	12:44:00	55.4	69.3	56.3	54.6	4:18 AM	346736.85	65.4	346736.85	65.4	346736.85	426579.52
12:45:00	12:45:00	55.5	68.8	56.2	54.6	4:19 AM	354813.39	65.5	354813.39	65.5	354813.39	416869.38
12:46:00	12:46:00	55.5	70.3	57.1	54.4	4:20 AM	354813.39	65.5	354813.39	65.5	354813.39	512861.38
12:47:00	12:47:00	55.1	68.3	56.3	54.3	4:21 AM	323593.66	65.1	323593.66	65.1	323593.66	426579.52
12:48:00	12:48:00	55.7	71.4	57.3	54.5	4:22 AM	371535.23	65.7	371535.23	65.7	371535.23	537031.80
12:49:00	12:49:00	56	70	57.3	55.2	4:23 AM	398107.17	66	398107.17	66.0	398107.17	537031.80
12:50:00	12:50:00	56.1	69.6	58	54.6	4:24 AM	407380.28	66.1	407380.28	66.1	407380.28	630957.34
12:51:00	12:51:00	56.1	71.2	59	54.7	4:25 AM	407380.28	66.1	407380.28	66.1	407380.28	794328.23
12:52:00	12:52:00	56.3	70.6	58.3	55	4:26 AM	426579.52	66.3	426579.52	66.3	426579.52	676082.98
12:53:00	12:53:00	56	73	57.9	55.2	4:27 AM	398107.17	66	398107.17	66.0	398107.17	616595.00
12:54:00	12:54:00	56.3	70.8	57.8	55.6	4:28 AM	426579.52	66.3	426579.52	66.3	426579.52	602559.59
12:55:00	12:55:00	56.6	70.6	57.5	54.9	4:29 AM	457088.19	66.6	457088.19	66.6	457088.19	562341.33
12:56:00	12:56:00	56.3	69.9	58.5	54.9	4:30 AM	426579.52	66.3	426579.52	66.3	426579.52	707945.78
12:57:00	12:57:00	56.5	69.8	57.8	55.1	4:31 AM	446683.59	66.5	446683.59	66.5	446683.59	602559.59
12:58:00	12:58:00	56.1	69.5	57.2	55.1	4:32 AM	407380.28	66.1	407380.28	66.1	407380.28	524807.46
12:59:00	12:59:00	57.2	71.9	58.9	56.1	4:33 AM	524807.46	67.2	524807.46	67.2	524807.46	776247.12
13:00:00	13:00:00	56.1	70	56.9	55.6	4:34 AM	407380.28	66.1	407380.28	66.1	407380.28	489778.19
13:01:00	13:01:00	56.5	70.6	57.6	55.6	4:35 AM	457088.19	66.6	457088.19	66.6	457088.19	575439.94
13:02:00	13:02:00	56.6	70.9	58.2	55.9	4:36 AM	457088.19	66.6	457088.19	66.6	457088.19	60693.45
13:03:00	13:03:00	56	69.9	56.6	55.3	4:37 AM	398107.17	66	398107.17	66.0	398107.17	457088.19
13:04:00	13:04:00	56.4	70.5	58	55.6	4:38 AM	436515.83	66.4	436515.83	66.4	436515.83	630957.34
13:05:00	13:05:00	56.6	70.9	57.7	55.8	4:39 AM	457088.19	66.6	457088.19	66.6	457088.19	588843.66
13:06:00	13:06:00	56.4	71.5	59.3	55.2	4:40 AM	436515.83	66.4	436515.83	66.4	436515.83	851138.04
13:07:00	13:07:00	56.4	71.4	58.4	55.4	4:41 AM	436515.83	66.4	436515.83	66.4	436515.83	691830.97
13:08:00	13:08:00	56.4	71.2	57.7	55.4	4:42 AM	436515.83	66.4	436515.83	66.4	436515.83	588843.66
13:09:00	13:09:00	56.8	71.1	58.1	56.1	4:43 AM	478630.09	66.8	478630.09	66.8	478630.09	645654.23
13:10:00	13:10:00	56.5	71	57.7	55.6	4:44 AM	446683.59	66.5	446683.59	66.5	446683.59	588843.66
13:11:00	13:11:00	56.9	70.5	58.2	56.1	4:45 AM	489778.19	66.9	489778.19	66.9	489778.19	60693.45
13:12:00	13:12:00	54.6	73.7	61.4	56.2	4:46 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	1380384.26
13:13:00	13:13:00	58.9	80.6	66.2	56.3	4:47 AM	776247.12	68.9	776247.12	68.9	776247.12	416869.38
13:14:00	13:14:00	56.8	70.8	58	55.9	4:48 AM	478630.09	66.8	478630.09	66.8	478630.09	630957.34
13:15:00	13:15:00	58.1	73.5	61.3	56.5	4:49 AM	645654.23	68.1	645654.23	68.1	645654.23	1348962.88
13:16:00	13:16:00	57.2	71.9	60.3	56.1	4:50 AM	524807.46	67.2	524807.46	67.2	524807.46	1071519.31
13:17:00	13:17:00	57.9	73.5	59.9	56.3	4:51 AM	616595.00	67.9	616595.00	67.9	616595.00	977237.22
13:18:00	13:18:00	56.9	71.2	57.8	56.1	4:52 AM	489778.19	66.9	489778.19	66.9	489778.19	602559.59
13:19:00	13:19:00	56.5	70.3	57.1	55.7	4:53 AM	446683.59	66.5	446683.59	66.5	446683.59	512861.38
13:20:00	13:20:00	56.6	70.1	57.7	55.9	4:54 AM	457088.19	66.6	457088.19	66.6	457088.19	588843.66
13:21:00	13:21:00	57.2	72.7	61.4	56.1	4:55 AM	524807.46	67.2	524807.46	67.2	524807.46	1380384.26
13:22:00	13:22:00	58	72.3	59.9	56.7	4:56 AM	630957.34	68	630957.34	68.0	630957.34	977237.22
13:23:00	13:23:00	58.1	77.7	61	56.6	4:57 AM	645654.23	68.1	645654.23	68.1	645654.23	1258925.41
13:24:00	13:24:00	58	75	63.6	56.1	4:58 AM	630957.34	68	630957.34	68.0	630957.34	2290867.65
13:25:00	13:25:00	57.3	71.2	58.6	56.4	4:59 AM	537031.79	67.3	537031.79	67.3	537031.79	724435.96
13:26:00	13:26:00	57	72	57.7	56.2	5:00 AM	501187.23	67	501187.23	67.0	501187.23	588843.66
13:27:00	13:27:00	57.5	72	58.8	56.3	5:01 AM	562341.33	67.5	562341.33	67.5	562341.33	758577.58
13:28:00	13:28:00	57.3	71.9	58.2	56	5:02 AM	537031.79	67.3	537031.79	67.3	537031.79	60693.45
13:29:00	13:29:00	56.7	71.3	58	55.7	5:03 AM	467735.14	66.7	467735.14	66.7	467735.14	630957.34
13:30:00	13:30:00	56.6	71.1	57.9	55.6	5:04 AM	457088.19	66.6	457088.19	66.6	457088.19	616595.00
13:31:00	13:31:00	56.3	70.1	57.3	55.4	5:05 AM	426579.52	66.3	426579.52	66.3	426579.52	537031.80
13:32:00	13:32:00	56.										

Data

13:56:00	13:56:00	56.9	71	57.5	56.1	5:30 AM	4897788.82	66.9	4897788.19	66.9	4897788.19	562341.33
13:57:00	13:57:00	57.5	71.6	58.8	56.7	5:31 AM	562341.33	67.5	5623413.25	67.5	5623413.25	758577.58
13:58:00	13:58:00	57.5	71.7	58.5	56.5	5:32 AM	562341.33	67.5	5623413.25	67.5	5623413.25	707945.78
13:59:00	13:59:00	57	70.3	57.6	56.4	5:33 AM	501187.23	67	5011872.34	67.0	5011872.34	575439.94
14:00:00	14:00:00	57	71.2	57.9	56.4	5:34 AM	501187.23	67	5011872.34	67.0	5011872.34	616595.00
14:01:00	14:01:00	57.5	76.4	60.2	56.4	5:35 AM	562341.33	67.5	5623413.25	67.5	5623413.25	1047128.55
14:02:00	14:02:00	57.7	73.1	59.5	56.6	5:36 AM	588843.66	67.7	5888436.55	67.7	5888436.55	891250.94
14:03:00	14:03:00	60.2	76.3	62.9	57.8	5:37 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1949844.60
14:04:00	14:04:00	57.2	70.8	58.3	56.3	5:38 AM	524807.46	67.2	5248074.60	67.2	5248074.60	676082.98
14:05:00	14:05:00	57.6	72.9	61.1	56.1	5:39 AM	575439.94	67.6	5754399.37	67.6	5754399.37	1288249.55
14:06:00	14:06:00	57.3	71.1	58.1	56.6	5:40 AM	537031.80	67.3	5370317.96	67.3	5370317.96	645654.23
14:07:00	14:07:00	58.1	72.1	60	56.8	5:41 AM	645654.23	68.1	6456542.29	68.1	6456542.29	1000000.00
14:08:00	14:08:00	57.3	77.6	59.9	56.4	5:42 AM	537031.80	67.3	5370317.96	67.3	5370317.96	977237.22
14:09:00	14:09:00	57.3	83.3	63.6	56.5	5:43 AM	588843.66	67.7	5888436.55	67.7	5888436.55	2290867.65
14:10:00	14:10:00	57.5	73.2	59.9	56.1	5:44 AM	562341.33	67.5	5623413.25	67.5	5623413.25	977237.22
14:11:00	14:11:00	57.4	74.1	59.5	56.1	5:45 AM	549540.87	67.4	5495408.74	67.4	5495408.74	891250.94
14:12:00	14:12:00	57.6	74.3	61.7	56.4	5:46 AM	575439.94	67.6	5754399.37	67.6	5754399.37	1479108.39
14:13:00	14:13:00	56.9	70.1	58.1	55.8	5:47 AM	489778.82	66.9	4897788.19	66.9	4897788.19	645654.23
14:14:00	14:14:00	56.6	70.3	57.3	55.7	5:48 AM	457088.19	66.6	4570881.90	66.6	4570881.90	537031.80
14:15:00	14:15:00	57.1	71.7	58.5	56	5:49 AM	512861.38	67.1	5128613.84	67.1	5128613.84	707945.78
14:16:00	14:16:00	57.7	71.6	59.6	56.4	5:50 AM	588843.66	67.7	5888436.55	67.7	5888436.55	912010.84
14:17:00	14:17:00	57.7	72.1	60	56.7	5:51 AM	588843.66	67.7	5888436.55	67.7	5888436.55	1000000.00
14:18:00	14:18:00	57.7	71.4	58.5	57	5:52 AM	588843.66	67.7	5888436.55	67.7	5888436.55	707945.78
14:19:00	14:19:00	58.5	76.9	61.5	57	5:53 AM	707945.78	68.5	7079457.84	68.5	7079457.84	1412537.54
14:20:00	14:20:00	57.8	72	59	57.1	5:54 AM	602559.59	67.8	6025595.86	67.8	6025595.86	794328.23
14:21:00	14:21:00	59.4	82.1	66.7	57.4	5:55 AM	870963.59	69.4	8709635.90	69.4	8709635.90	4677351.41
14:22:00	14:22:00	59.6	80.8	67.2	57.5	5:56 AM	912010.84	69.6	9120108.39	69.6	9120108.39	5248074.60
14:23:00	14:23:00	59.2	75.8	63.9	57.5	5:57 AM	831763.77	69.2	8317637.71	69.2	8317637.71	2454708.92
14:24:00	14:24:00	59	77.6	63.7	56.9	5:58 AM	794328.23	69.7	7943282.35	69.7	7943282.35	2344228.82
14:25:00	14:25:00	57.7	72.1	59.8	56.3	5:59 AM	588843.66	67.7	5888436.55	67.7	5888436.55	954992.59
14:26:00	14:26:00	56.5	69.9	57.7	55.8	6:00 AM	446683.59	66.5	4466835.92	66.5	4466835.92	588843.66
14:27:00	14:27:00	56.5	71.1	59.8	55.3	6:01 AM	446683.59	66.5	4466835.92	66.5	4466835.92	954992.59
14:28:00	14:28:00	56.1	71.4	57.3	55.5	6:02 AM	407380.28	66.1	4073802.78	66.1	4073802.78	537031.80
14:29:00	14:29:00	56.7	69.7	56.7	55.1	6:03 AM	371535.23	65.7	3715352.29	65.7	3715352.29	467735.14
14:30:00	14:30:00	56.6	73	61.5	55.2	6:04 AM	457088.19	66.6	4570881.90	66.6	4570881.90	1412537.54
14:31:00	14:31:00	55.7	69.2	56.7	54.8	6:05 AM	371535.23	65.7	3715352.29	65.7	3715352.29	467735.14
14:32:00	14:32:00	55.6	69.3	56.4	54.5	6:06 AM	363078.05	65.6	3630780.55	65.6	3630780.55	436515.83
14:33:00	14:33:00	55.9	70.8	59.1	54.7	6:07 AM	389045.14	65.9	3890451.45	65.9	3890451.45	812830.52
14:34:00	14:34:00	55.4	68.5	56.1	54.7	6:08 AM	346736.85	65.4	3467368.50	65.4	3467368.50	407380.28
14:35:00	14:35:00	55.2	68	56	54.6	6:09 AM	331131.12	65.2	3311311.21	65.2	3311311.21	398107.17
14:36:00	14:36:00	56.6	73.7	60.7	54.9	6:10 AM	457088.19	66.6	4570881.90	66.6	4570881.90	1174897.55
14:37:00	14:37:00	55.7	69	56.9	55.1	6:11 AM	371535.23	65.7	3715352.29	65.7	3715352.29	489778.82
14:38:00	14:38:00	55.5	68.8	56	54.7	6:12 AM	354813.39	65.5	3548133.89	65.5	3548133.89	398107.17
14:39:00	14:39:00	55.8	70.7	57.5	54.9	6:13 AM	380189.40	65.8	3801893.96	65.8	3801893.96	562341.33
14:40:00	14:40:00	55.9	69.8	57.1	55	6:14 AM	389045.14	65.9	3890451.45	65.9	3890451.45	512861.38
14:41:00	14:41:00	56.4	71	58.6	55.3	6:15 AM	436515.83	66.4	4365158.32	66.4	4365158.32	724435.96
14:42:00	14:42:00	57	75.5	62.4	55.9	6:16 AM	501187.23	67	5011872.34	67.0	5011872.34	1737800.83
14:43:00	14:43:00	57.5	74.7	62.6	55.8	6:17 AM	562341.33	67.5	5623413.25	67.5	5623413.25	1819700.86
14:44:00	14:44:00	56.7	70.4	57.6	55.9	6:18 AM	467735.14	66.7	4677351.41	66.7	4677351.41	575439.94
14:45:00	14:45:00	57.2	73.2	60.6	56.1	6:19 AM	524807.46	67.2	5248074.60	67.2	5248074.60	1148153.62
14:46:00	14:46:00	56.7	71.5	58.5	55.7	6:20 AM	467735.14	66.7	4677351.41	66.7	4677351.41	707945.78
14:47:00	14:47:00	56.6	69.7	57.2	56	6:21 AM	457088.19	66.6	4570881.90	66.6	4570881.90	524807.46
14:48:00	14:48:00	57	70.7	58.1	56.1	6:22 AM	501187.23	67	5011872.34	67.0	5011872.34	645654.23
14:49:00	14:49:00	57.7	71.3	59.1	57	6:23 AM	588843.66	67.7	5888436.55	67.7	5888436.55	812830.52
14:50:00	14:50:00	57.8	72.6	62	56.2	6:24 AM	602559.59	67.8	6025595.86	67.8	6025595.86	1584893.19
14:51:00	14:51:00	56.7	70.5	57.3	56.1	6:25 AM	467735.14	66.7	4677351.41	66.7	4677351.41	537031.80
14:52:00	14:52:00	56.8	70.2	57.7	56	6:26 AM	478630.09	66.8	4786300.92	66.8	4786300.92	588843.66
14:53:00	14:53:00	66.2	90.8	79.1	56.5	6:27 AM	4168693.83	76.2	41686938.35	76.2	41686938.35	81283051.62
14:54:00	14:54:00	64.7	88.1	78.8	56.1	6:28 AM	2951209.23	74.7	29512092.27	74.7	29512092.27	75857757.50
14:55:00	14:55:00	57.4	72.9	61.7	56.1	6:29 AM	549540.87	67.4	5495408.74	67.4	5495408.74	1479108.39
14:56:00	14:56:00	56.5	70	57.4	55.9	6:30 AM	446683.59	66.5	4466835.92	66.5	4466835.92	549540.87
14:57:00	14:57:00	56.5	70.2	58.2	55.9	6:31 AM	446683.59	66.5	4466835.92	66.5	4466835.92	6060693.45
14:58:00	14:58:00	57	71.4	59.8	55.7	6:32 AM	501187.23	67	5011872.34	67.0	5011872.34	954992.59
14:59:00	14:59:00	56.4	72	58.1	55.6	6:33 AM	436515.83	66.4	4365158.32	66.4	4365158.32	645654.23
15:00:00	15:00:00	62	87.2	70.1	56.1	6:34 AM	1584893.19	72	15848931.92	72.0	15848931.92	10232929.92
15:01:00	15:01:00	60	81.2	68.0	56.1	6:35 AM	1000000.00	70	10000000.00	70.0	10000000.00	7585775.75
15:02:00	15:02:00	57.3	72.9	59.7	56.3	6:36 AM	537031.80	67.3	5370317.96	67.3	5370317.96	933254.30
15:03:00	15:03:00	57.4	70.8	59.5	56.1	6:37 AM	549540.87	67.4	5495408.74	67.4	5495408.74	891250.94
15:04:00	15:04:00	57.5	72.1	60	56.7	6:38 AM	562341.33	67.5	5623413.25	67.5	5623413.25	1000000.00
15:05:00	15:05:00	57.5	72.4	59.1	56.8	6:39 AM	562341.33	67.5	5623413.25	67.5	5623413.25	812830.52
15:06:00	15:06:00	57.5	71.2	58.9	56.7	6:40 AM	562341.33	67.5	5623413.25	67.5	5623413.25	776247.12
15:07:00	15:07:00	57.6	72.5	59.8	56.4	6:41 AM	575439.94	67.6	5754399.37	67.6	5754399.37	954992.59
15:08:00	15:08:00	57.5	72.2	59.6	56.5	6:42 AM	562341.33	67.5	5623413.25	67.5	5623413.25	912010.84
15:09:00	15:09:00	57.1	70.8	58.9	56.1	6:43 AM	512861.38	67.1	5128613.84	67.1	5128613.84	776247.12
15:10:00	15:10:00	55.9	72.5	59.6	54.6	6:44 AM	389045.14	65.9	3890451.45	65.9	3890451.45	912010.84
15:11:00	15:11:00	55.4	69.2	56.2	54.8	6:45 AM	346736.85	65.4	3467368.50	65.4	3467368.50	416869.38
15:12:00	15:12:00	56.1	69.8	57.8	54.4	6:46 AM	407380.28	66.1	4073802.78	66.1	4073802.78	602559.59
15:13:00	15:13:00	55.5	69.7	56.8	54.7	6:47 AM	354813.39	65.5	3548133.89	65.5	3548133.89	478630.09
15:14:00	15:14:00	55.5	71.7	57.4	54.3	6:48 AM	354813.39	65.5	3548133.89	65.5	3548133.89	549540.87
15:15:00	15:15:00	54.7	72.5	56	54	6:49 AM	295120.92	64.7	2951209.23	64.7	2951209.23	398107.17

		Data										
15:41:00	15:41:00	56.4	74	60	54.2	7:15 AM	436515.83	56.4	436515.83	56.4	436515.83	1000000.00
15:42:00	15:42:00	56.2	71.8	59.2	54.3	7:16 AM	416869.38	56.2	416869.38	56.2	416869.38	831763.77
15:43:00	15:43:00	57.4	73.4	61.5	54.4	7:17 AM	549540.87	57.4	549540.87	57.4	549540.87	1412537.54
15:44:00	15:44:00	56.2	70.4	58.5	54.4	7:18 AM	416869.38	56.2	416869.38	56.2	416869.38	707945.78
15:45:00	15:45:00	62.9	79.5	66.2	58.3	7:19 AM	1949844.60	62.9	1949844.60	62.9	1949844.60	4168693.83
15:46:00	15:46:00	61.9	79	67.9	55.8	7:20 AM	1548816.62	61.9	1548816.62	61.9	1548816.62	6165950.02
15:47:00	15:47:00	63.1	79.1	66.5	58	7:21 AM	2041737.94	63.1	2041737.94	63.1	2041737.94	4466835.92
15:48:00	15:48:00	59.3	77.8	64	55.3	7:22 AM	851138.04	59.3	851138.04	59.3	851138.04	2511886.43
15:49:00	15:49:00	60.9	76.9	63.9	57.3	7:23 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	2454708.92
15:50:00	15:50:00	59.8	75.1	63	56.6	7:24 AM	954992.59	59.8	954992.59	59.8	954992.59	1995262.31
15:51:00	15:51:00	58.6	75.7	62	55.3	7:25 AM	724435.96	58.6	724435.96	58.6	724435.96	1584893.19
15:52:00	15:52:00	57.5	72.4	59.8	55.5	7:26 AM	562341.33	57.5	562341.33	57.5	562341.33	954992.59
15:53:00	15:53:00	59.5	79.1	66.8	54.9	7:27 AM	891250.94	59.5	891250.94	59.5	891250.94	4786300.92
15:54:00	15:54:00	61.7	82.9	70.8	55.5	7:28 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	12022644.35
15:55:00	15:55:00	61.3	78.8	66.1	56.1	7:29 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	4073802.78
15:56:00	15:56:00	57.2	72.6	61.3	54.5	7:30 AM	524807.46	57.2	524807.46	57.2	524807.46	1348962.88
15:57:00	15:57:00	56	70.2	57.4	54.8	7:31 AM	398107.17	56	398107.17	56.0	398107.17	549540.87
15:58:00	15:58:00	56.4	70.5	57.8	55.3	7:32 AM	436515.83	56.4	436515.83	56.4	436515.83	602559.59
15:59:00	15:59:00	56.8	71.1	59.1	55.4	7:33 AM	478630.09	56.8	478630.09	56.8	478630.09	812830.52
16:00:00	16:00:00	63	93	69.5	55.8	7:34 AM	1995262.31	63	1995262.31	63.0	1995262.31	8912509.38
16:01:00	16:01:00	75.7	114.8	90.3	60.5	7:35 AM	37153522.91	75.7	37153522.91	75.7	37153522.91	1071519305.24
16:02:00	16:02:00	64.6	88	78.3	56.3	7:36 AM	2884031.50	64.6	2884031.50	64.6	2884031.50	67608297.54
16:03:00	16:03:00	57.4	71.9	61.4	55.9	7:37 AM	549540.87	57.4	549540.87	57.4	549540.87	1380384.26
16:04:00	16:04:00	56.3	70.6	57.5	54.9	7:38 AM	426579.52	56.3	426579.52	56.3	426579.52	562341.33
16:05:00	16:05:00	55.8	70.1	58.2	54.2	7:39 AM	380189.40	55.8	380189.40	55.8	380189.40	660693.45
16:06:00	16:06:00	56.1	70.3	58.1	54.7	7:40 AM	407380.28	56.1	407380.28	56.1	407380.28	645654.23
16:07:00	16:07:00	55.5	69.7	57.2	54.3	7:41 AM	354813.39	55.5	354813.39	55.5	354813.39	524807.46
16:08:00	16:08:00	58.6	75.4	62.6	55	7:42 AM	724435.96	58.6	724435.96	58.6	724435.96	1819700.86
16:09:00	16:09:00	61.6	77.6	63.9	57.9	7:43 AM	1445439.77	61.6	1445439.77	61.6	1445439.77	2454708.92
16:10:00	16:10:00	60.8	85.9	65.9	57.1	7:44 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	3890451.45
16:11:00	16:11:00	62.3	81.1	66.2	57.3	7:45 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	4168693.83
16:12:00	16:12:00	59.9	77.6	65.4	55.1	7:46 AM	977237.22	59.9	977237.22	59.9	977237.22	3467368.50
16:13:00	16:13:00	56.7	72.8	60.1	54.2	7:47 AM	467735.14	56.7	467735.14	56.7	467735.14	1023292.99
16:14:00	16:14:00	62.9	86	71.2	56.1	7:48 AM	1949844.60	62.9	1949844.60	62.9	1949844.60	13182567.39
16:15:00	16:15:00	58.5	75	62.2	55.4	7:49 AM	707945.78	58.5	707945.78	58.5	707945.78	1659586.91
16:16:00	16:16:00	60	75.3	63.1	56.3	7:50 AM	1000000.00	60	1000000.00	60.0	1000000.00	2041737.94
16:17:00	16:17:00	60.4	77.1	64.7	56	7:51 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	2951209.23
16:18:00	16:18:00	60.6	76.5	63.9	57.8	7:52 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	2454708.92
16:19:00	16:19:00	56.9	72.2	60	55.4	7:53 AM	489778.82	56.9	489778.82	56.9	489778.82	1000000.00
16:20:00	16:20:00	60	79.1	64.7	54.8	7:54 AM	1000000.00	60	1000000.00	60.0	1000000.00	2951209.23
16:21:00	16:21:00	62.9	84.6	69.4	58.5	7:55 AM	1949844.60	62.9	1949844.60	62.9	1949844.60	8709635.90
16:22:00	16:22:00	65.3	80.4	67.8	62.2	7:56 AM	3388441.56	65.3	3388441.56	65.3	3388441.56	6025595.86
16:23:00	16:23:00	56.5	74.9	63	54.4	7:57 AM	446683.59	56.5	446683.59	56.5	446683.59	1995262.31
16:24:00	16:24:00	56.5	72.7	61	54.4	7:58 AM	446683.59	56.5	446683.59	56.5	446683.59	1258925.41
16:25:00	16:25:00	56.4	72.9	59.9	54	7:59 AM	436515.83	56.4	436515.83	56.4	436515.83	977237.22
16:26:00	16:26:00	55.3	73.3	61	53.8	8:00 AM	338844.16	55.3	338844.16	55.3	338844.16	1258925.41
16:27:00	16:27:00	69.2	92.5	76.8	55.3	8:01 AM	8317637.71	69.2	8317637.71	69.2	8317637.71	47863009.23
16:28:00	16:28:00	61.7	79.8	66.5	56.8	8:02 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	4466835.92
16:29:00	16:29:00	58.1	76.3	63	53.9	8:03 AM	645654.23	58.1	645654.23	58.1	645654.23	1995262.31
16:30:00	16:30:00	55.3	72.6	58.3	53.8	8:04 AM	338844.16	55.3	338844.16	55.3	338844.16	676082.98
16:31:00	16:31:00	60.4	77.1	64.2	57.2	8:05 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	2630267.99
16:32:00	16:32:00	58.7	74.9	62.6	55.3	8:06 AM	741310.24	58.7	741310.24	58.7	741310.24	1819700.86
16:33:00	16:33:00	55.4	71.5	57.8	54.2	8:07 AM	346736.85	55.4	346736.85	55.4	346736.85	602559.59
16:34:00	16:34:00	60.5	78.2	64.7	55.1	8:08 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	2951209.23
16:35:00	16:35:00	63.9	82	67.2	57.1	8:09 AM	2454708.92	63.9	2454708.92	63.9	2454708.92	5248074.60
16:36:00	16:36:00	63.4	80.7	68.6	58.4	8:10 AM	2187761.62	63.4	2187761.62	63.4	2187761.62	7244359.60
16:37:00	16:37:00	55.9	72.6	60.8	52.8	8:11 AM	389045.14	55.9	389045.14	55.9	389045.14	1202264.43
16:38:00	16:38:00	62.2	77	62.9	53	8:12 AM	416869.38	62.2	416869.38	62.2	416869.38	1949844.60
16:39:00	16:39:00	53.8	67.4	60.1	52.4	8:13 AM	239883.29	53.8	239883.29	53.8	239883.29	1023292.99
16:40:00	16:40:00	56	75.2	60.9	53.2	8:14 AM	398107.17	56	398107.17	56.0	398107.17	1230268.77
16:41:00	16:41:00	62.3	78	66.2	57.4	8:15 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	4168693.83
16:42:00	16:42:00	61.1	76.7	64.5	56.7	8:16 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	2818382.93
16:43:00	16:43:00	59.8	75.7	62.9	56.1	8:17 AM	954992.59	59.8	954992.59	59.8	954992.59	1949844.60
16:44:00	16:44:00	59.7	76.5	63	56.3	8:18 AM	933254.30	59.7	933254.30	59.7	933254.30	1995262.31
16:45:00	16:45:00	58.9	76.9	63.7	54.2	8:19 AM	776247.12	58.9	776247.12	58.9	776247.12	2344228.82
16:46:00	16:46:00	53.6	70.8	58.5	51.5	8:20 AM	229086.77	53.6	229086.77	53.6	229086.77	707945.78
16:47:00	16:47:00	59.7	78.3	63.8	55.9	8:21 AM	933254.30	59.7	933254.30	59.7	933254.30	2398832.92
16:48:00	16:48:00	57.9	75.5	62.5	53.5	8:22 AM	616595.00	57.9	616595.00	57.9	616595.00	1778279.66
16:49:00	16:49:00	59.9	79.7	65.4	54.7	8:23 AM	977237.22	59.9	977237.22	59.9	977237.22	3467368.50
16:50:00	16:50:00	57.3	72.4	60.1	53.4	8:24 AM	537031.80	57.3	537031.80	57.3	537031.80	1023292.99
16:51:00	16:51:00	59.9	77.1	65.1	53.7	8:25 AM	977237.22	59.9	977237.22	59.9	977237.22	3235936.57
16:52:00	16:52:00	60.2	85.3	65.9	56.7	8:26 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	3890451.45
16:53:00	16:53:00	59.1	81.5	65.4	52.5	8:27 AM	812830.52	59.1	812830.52	59.1	812830.52	3467368.50
16:54:00	16:54:00	58.7	79.7	66.7	52.3	8:28 AM	741310.24	58.7	741310.24	58.7	741310.24	4677351.41
16:55:00	16:55:00	55.3	76.5	57.9	53.3	8:29 AM	338844.16	55.3	338844.16	55.3	338844.16	616595.00
16:56:00	16:56:00	54.4	74.7	57	52.1	8:30 AM	275422.87	54.4	275422.87	54.4	275422.87	501187.23
16:57:00	16:57:00	54.6	71	58.1	51.8	8:31 AM	288403.15	54.6	288403.15	54.6	288403.15	645654.23
16:58:00	16:58:00	56.6	76.4	63	51.8	8:32 AM	457088.19	56.6	457088.19	56.6	457088.19	1995262.31
16:59:00	16:59:00	61.2	78.6	65.9	57.1	8:33 AM	1318256.74	61.2	1318256.74	61.2	1318256.74	3890451.45
17:00:00	17:00:00	59.7	78.7	63.5	56.4	8:34 AM	933254.30	59.7	933254.30	59.7	933254.30	2238721.14
17:01:00	17:01:00											

Data

17:26:00	17:26:00	53.6	68.5	57.4	51.2	9:00 AM	229086.77	53.6	229086.77	53.6	229086.77	549540.87
17:27:00	17:27:00	55.8	72.9	59.9	52.5	9:01 AM	380189.40	55.8	380189.40	55.8	380189.40	977237.22
17:28:00	17:28:00	58	75.9	62.4	53.6	9:02 AM	630957.34	58	630957.34	58.0	630957.34	1737800.83
17:29:00	17:29:00	58.6	77.2	64.2	53	9:03 AM	724435.96	58.6	724435.96	58.6	724435.96	2630267.99
17:30:00	17:30:00	59.6	77.5	63.1	54.6	9:04 AM	912010.84	59.6	912010.84	59.6	912010.84	2041737.94
17:31:00	17:31:00	58.5	80.2	65.1	53.6	9:05 AM	707945.78	58.5	707945.78	58.5	707945.78	3235936.57
17:32:00	17:32:00	58.6	75.2	62.5	53.4	9:06 AM	724435.96	58.6	724435.96	58.6	724435.96	1778279.41
17:33:00	17:33:00	56.3	72.9	60	53	9:07 AM	426579.52	56.3	426579.52	56.3	426579.52	1000000.00
17:34:00	17:34:00	57.5	73.9	61.1	54.2	9:08 AM	562341.33	57.5	562341.33	57.5	562341.33	1288249.55
17:35:00	17:35:00	57.9	74.9	62.5	54	9:09 AM	616595.00	57.9	616595.00	57.9	616595.00	1778279.41
17:36:00	17:36:00	53.9	71.6	58.9	51.6	9:10 AM	245470.89	53.9	245470.89	53.9	245470.89	776247.12
17:37:00	17:37:00	52.7	69.8	57	50.5	9:11 AM	186208.71	52.7	186208.71	52.7	186208.71	501187.23
17:38:00	17:38:00	54.1	70.4	57.7	51.9	9:12 AM	257039.58	54.1	257039.58	54.1	257039.58	588843.66
17:39:00	17:39:00	54.3	74	57.3	52.1	9:13 AM	269153.48	54.3	269153.48	54.3	269153.48	537031.80
17:40:00	17:40:00	56.7	74.9	61.5	51.7	9:14 AM	467735.14	56.7	467735.14	56.7	467735.14	1412537.54
17:41:00	17:41:00	54.8	71.3	58.5	51.8	9:15 AM	301995.17	54.8	301995.17	54.8	301995.17	707945.78
17:42:00	17:42:00	57.3	77.4	63.7	52.6	9:16 AM	537031.80	57.3	537031.80	57.3	537031.80	2344228.82
17:43:00	17:43:00	60	81.1	66.5	51	9:17 AM	1000000.00	60	1000000.00	60.0	1000000.00	4466835.92
17:44:00	17:44:00	59.1	79.2	63.3	55.5	9:18 AM	812830.52	59.1	812830.52	59.1	812830.52	2137962.09
17:45:00	17:45:00	55.5	73	61.8	52.2	9:19 AM	354813.39	55.5	354813.39	55.5	354813.39	1513561.25
17:46:00	17:46:00	57.7	75.9	62.3	53.9	9:20 AM	588843.66	57.7	588843.66	57.7	588843.66	1698243.65
17:47:00	17:47:00	51.5	66.1	54	50.3	9:21 AM	141253.75	51.5	141253.75	51.5	141253.75	251188.64
17:48:00	17:48:00	52.9	71.2	55.1	51.9	9:22 AM	194984.46	52.9	194984.46	52.9	194984.46	323593.66
17:49:00	17:49:00	56.5	73.2	59.7	53	9:23 AM	446683.59	56.5	446683.59	56.5	446683.59	933254.30
17:50:00	17:50:00	56.9	75.3	63	51.7	9:24 AM	489778.82	56.9	489778.82	56.9	489778.82	1995262.31
17:51:00	17:51:00	59.4	79.6	63.7	53.9	9:25 AM	870963.59	59.4	870963.59	59.4	870963.59	2344228.82
17:52:00	17:52:00	58.3	75.4	63.2	52.8	9:26 AM	676082.98	58.3	676082.98	58.3	676082.98	2089296.13
17:53:00	17:53:00	61.6	79.2	67.4	56.6	9:27 AM	1445439.77	61.6	1445439.77	61.6	1445439.77	5495408.74
17:54:00	17:54:00	55.4	69.9	58.4	52.7	9:28 AM	346736.85	55.4	346736.85	55.4	346736.85	691830.97
17:55:00	17:55:00	58.2	78.8	65.3	53.5	9:29 AM	660693.45	58.2	660693.45	58.2	660693.45	338844.56
17:56:00	17:56:00	56.1	70.9	58.4	52.9	9:30 AM	407380.28	56.1	407380.28	56.1	407380.28	691830.97
17:57:00	17:57:00	57.8	79.8	63.4	53.3	9:31 AM	602559.59	57.8	602559.59	57.8	602559.59	2187761.62
17:58:00	17:58:00	61.8	81.1	68	54.7	9:32 AM	1513561.25	61.8	1513561.25	61.8	1513561.25	6309573.44
17:59:00	17:59:00	63.3	82.7	67.5	56.7	9:33 AM	2137962.09	63.3	2137962.09	63.3	2137962.09	5623413.25
18:00:00	18:00:00	56.5	77.5	64.6	52.2	9:34 AM	446683.59	56.5	446683.59	56.5	446683.59	2884031.50
18:01:00	18:01:00	51.6	66.9	53.9	49.9	9:35 AM	144543.98	51.6	144543.98	51.6	144543.98	245470.89
18:02:00	18:02:00	54.7	71.7	56.7	51.8	9:36 AM	295120.92	54.7	295120.92	54.7	295120.92	467735.14
18:03:00	18:03:00	57.7	73.9	60.5	54	9:37 AM	588843.66	57.7	588843.66	57.7	588843.66	1122018.45
18:04:00	18:04:00	58.5	77.6	63.9	53.6	9:38 AM	707945.78	58.5	707945.78	58.5	707945.78	2454708.92
18:05:00	18:05:00	55.4	72.9	60.7	50.5	9:39 AM	346736.85	55.4	346736.85	55.4	346736.85	1174897.55
18:06:00	18:06:00	55.9	73.8	60	53.3	9:40 AM	389045.14	55.9	389045.14	55.9	389045.14	1000000.00
18:07:00	18:07:00	56.2	77.5	62	51.8	9:41 AM	416869.38	56.2	416869.38	56.2	416869.38	1584893.19
18:08:00	18:08:00	53.8	69	58.3	51.1	9:42 AM	239883.29	53.8	239883.29	53.8	239883.29	676082.98
18:09:00	18:09:00	58.9	76.9	62.8	52.1	9:43 AM	776247.12	58.9	776247.12	58.9	776247.12	1905460.72
18:10:00	18:10:00	59.2	76.5	64	54.1	9:44 AM	831763.77	59.2	831763.77	59.2	831763.77	2511886.43
18:11:00	18:11:00	57.3	77.7	63.6	50.4	9:45 AM	537031.80	57.3	537031.80	57.3	537031.80	2290867.65
18:12:00	18:12:00	54.9	69.9	58.8	52.8	9:46 AM	309029.54	54.9	309029.54	54.9	309029.54	758577.58
18:13:00	18:13:00	53.4	68.8	55.8	52.3	9:47 AM	218776.16	53.4	218776.16	53.4	218776.16	380189.40
18:14:00	18:14:00	53.7	69.5	57.2	50.7	9:48 AM	234422.88	53.7	234422.88	53.7	234422.88	524807.46
18:15:00	18:15:00	59.1	77.7	64.2	53	9:49 AM	812830.52	59.1	812830.52	59.1	812830.52	2630267.99
18:16:00	18:16:00	58.6	76.9	62	52.9	9:50 AM	724435.96	58.6	724435.96	58.6	724435.96	1584893.19
18:17:00	18:17:00	59.1	77.6	62.8	54	9:51 AM	812830.52	59.1	812830.52	59.1	812830.52	1905460.72
18:18:00	18:18:00	59.8	78.5	63.2	55.9	9:52 AM	954992.59	59.8	954992.59	59.8	954992.59	2089296.13
18:19:00	18:19:00	60.3	79.1	64.5	56.2	9:53 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	2818382.93
18:20:00	18:20:00	59.3	76.6	62.5	53	9:54 AM	851138.04	59.3	851138.04	59.3	851138.04	1778279.41
18:21:00	18:21:00	52.5	67.2	54.9	50.4	9:55 AM	177827.94	52.5	177827.94	52.5	177827.94	309029.54
18:22:00	18:22:00	58.5	80.5	62.9	52.4	9:56 AM	707945.78	58.5	707945.78	58.5	707945.78	1949844.60
18:23:00	18:23:00	57.6	76.9	64.6	51.3	9:57 AM	575439.94	57.6	575439.94	57.6	575439.94	2884031.50
18:24:00	18:24:00	57.5	75.9	62.9	53.9	9:58 AM	562341.33	57.5	562341.33	57.5	562341.33	1949844.60
18:25:00	18:25:00	58.9	81.5	65.5	51.5	9:59 AM	776247.12	58.9	776247.12	58.9	776247.12	3548133.89
18:26:00	18:26:00	51.4	68	53.6	49.4	10:00 AM	138038.43	51.4	138038.43	51.4	138038.43	229086.77
18:27:00	18:27:00	51	66.3	53.6	49.8	10:01 AM	125892.54	51	125892.54	51.0	125892.54	229086.77
18:28:00	18:28:00	55.8	80.3	63.2	50.2	10:02 AM	380189.40	55.8	380189.40	55.8	380189.40	2089296.13
18:29:00	18:29:00	58.4	79.1	63.6	53.4	10:03 AM	691830.97	58.4	691830.97	58.4	691830.97	2290867.65
18:30:00	18:30:00	58.1	76.5	63.7	53.3	10:04 AM	645654.23	58.1	645654.23	58.1	645654.23	2344228.82
18:31:00	18:31:00	56.5	76.5	61.9	51.7	10:05 AM	446683.59	56.5	446683.59	56.5	446683.59	1548816.62
18:32:00	18:32:00	52.1	66.6	53.9	50.6	10:06 AM	162181.01	52.1	162181.01	52.1	162181.01	245470.89
18:33:00	18:33:00	56.9	78.2	62	50.7	10:07 AM	489778.82	56.9	489778.82	56.9	489778.82	1584893.19
18:34:00	18:34:00	53.6	70	56.9	50.4	10:08 AM	229086.77	53.6	229086.77	53.6	229086.77	489778.82
18:35:00	18:35:00	56.5	74.7	61	53	10:09 AM	446683.59	56.5	446683.59	56.5	446683.59	1258925.41
18:36:00	18:36:00	59.6	78.2	65	53.5	10:10 AM	912010.84	59.6	912010.84	59.6	912010.84	3162277.66
18:37:00	18:37:00	60.2	79	64.7	53.9	10:11 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	2951209.23
18:38:00	18:38:00	57.2	75.9	64.3	52	10:12 AM	524807.46	57.2	524807.46	57.2	524807.46	2691534.80
18:39:00	18:39:00	55.1	72.8	58.5	52.2	10:13 AM	323593.66	55.1	323593.66	55.1	323593.66	707945.78
18:40:00	18:40:00	55.6	72.6	59.6	51.4	10:14 AM	363078.05	55.6	363078.05	55.6	363078.05	912010.84
18:41:00	18:41:00	52.3	75.4	55.9	49.9	10:15 AM	186208.71	52.3	186208.71	52.3	186208.71	389045.14
18:42:00	18:42:00	52.7	70.4	54.8	50.4	10:16 AM	169824.37	52.7	169824.37	52.7	169824.37	301995.17
18:43:00	18:43:00	62.4	84.9	71.8	50.8	10:17 AM	1737800.83	62.4	1737800.83	62.4	1737800.83	1513561.24
18:44:00	18:44:00	58.9	78.6	68.4	51.6	10:18 AM	776247.12	58.9	776247.12	58.9	776247.12	6918309.71
18:45:00	18:45:00	61.5	82	69.6	51	10:19 AM	1412537.54	61.5	1412537.54	61.5	1412537.54	9120108.39
18:46:00	18:46:00	64.6	84.3	71.6	55.7	10:20 AM	2884031.50	64.6				

Data

19:11:00	19:11:00	56.4	90	65.4	51.1	10:45 AM	436515.83	56.4	436515.83	56.4	436515.83	3467368.50
19:12:00	19:12:00	58.1	81.6	66	52.1	10:46 AM	645654.23	58.1	645654.23	58.1	645654.23	3981071.71
19:13:00	19:13:00	53.8	71.6	58.2	50	10:47 AM	239883.29	53.8	239883.29	53.8	239883.29	660693.45
19:14:00	19:14:00	55.1	73.6	61.9	50.4	10:48 AM	323593.66	55.1	323593.66	55.1	323593.66	1548816.62
19:15:00	19:15:00	56.9	76.8	64.7	51.5	10:49 AM	489778.82	56.9	489778.82	56.9	489778.82	2951209.23
19:16:00	19:16:00	58.2	80.6	64.3	51.9	10:50 AM	660693.45	58.2	660693.45	58.2	660693.45	2691534.80
19:17:00	19:17:00	60.4	79.3	65.7	54.6	10:51 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	3715352.29
19:18:00	19:18:00	57.8	81.6	65.1	53.6	10:52 AM	602559.59	57.8	602559.59	57.8	602559.59	3235936.57
19:19:00	19:19:00	56.1	73.6	60.8	52.6	10:53 AM	407380.28	56.1	407380.28	56.1	407380.28	1202264.43
19:20:00	19:20:00	59.3	81.3	64.8	53.7	10:54 AM	851138.04	59.3	851138.04	59.3	851138.04	3019951.72
19:21:00	19:21:00	54.5	72.8	63.6	49.6	10:55 AM	281838.29	54.5	281838.29	54.5	281838.29	2290867.65
19:22:00	19:22:00	57.2	80.5	69.1	49.5	10:56 AM	524807.46	57.2	524807.46	57.2	524807.46	8128305.16
19:23:00	19:23:00	55.1	72.4	59	51.7	10:57 AM	323593.66	55.1	323593.66	55.1	323593.66	794328.23
19:24:00	19:24:00	52.6	74.4	59	49.6	10:58 AM	181970.09	52.6	181970.09	52.6	181970.09	794328.23
19:25:00	19:25:00	57.1	77.8	63.7	50.4	10:59 AM	512861.38	57.1	512861.38	57.1	512861.38	2344228.82
19:26:00	19:26:00	57	82.4	63.8	53	11:00 AM	501187.23	57	501187.23	57.0	501187.23	2398832.92
19:27:00	19:27:00	56.3	74.8	61.7	51.9	11:01 AM	426579.52	56.3	426579.52	56.3	426579.52	1479108.39
19:28:00	19:28:00	53.7	69.5	57	51.1	11:02 AM	234422.88	53.7	234422.88	53.7	234422.88	501187.23
19:29:00	19:29:00	54.5	74.6	61.8	49.7	11:03 AM	281838.29	54.5	281838.29	54.5	281838.29	1513561.25
19:30:00	19:30:00	55.1	75	59.8	51.4	11:04 AM	323593.66	55.1	323593.66	55.1	323593.66	954992.59
19:31:00	19:31:00	56.4	75.9	62.2	51.8	11:05 AM	436515.83	56.4	436515.83	56.4	436515.83	1659586.91
19:32:00	19:32:00	58.5	76	63.3	52.1	11:06 AM	707945.78	58.5	707945.78	58.5	707945.78	2137962.09
19:33:00	19:33:00	58.5	79.1	62.3	52.6	11:07 AM	707945.78	58.5	707945.78	58.5	707945.78	1698243.65
19:34:00	19:34:00	55.8	72.8	58.8	52.3	11:08 AM	380189.40	55.8	380189.40	55.8	380189.40	758577.58
19:35:00	19:35:00	52.2	68.8	55.3	50.2	11:09 AM	165958.69	52.2	165958.69	52.2	165958.69	338844.16
19:36:00	19:36:00	54.7	73.1	58.3	52.6	11:10 AM	295120.92	54.7	295120.92	54.7	295120.92	676082.98
19:37:00	19:37:00	57.1	78.8	63.9	53.6	11:11 AM	512861.38	57.1	512861.38	57.1	512861.38	2454708.92
19:38:00	19:38:00	60.1	78.4	65.7	54.8	11:12 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	3715352.29
19:39:00	19:39:00	59.2	79.5	66.5	51.8	11:13 AM	831763.77	59.2	831763.77	59.2	831763.77	4466835.92
19:40:00	19:40:00	59.1	84.4	70.5	51	11:14 AM	812830.52	59.1	812830.52	59.1	812830.52	11220184.54
19:41:00	19:41:00	61.1	87.6	71.8	51.7	11:15 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	15135612.48
19:42:00	19:42:00	56.7	74.8	61.7	53.9	11:16 AM	467735.14	56.7	467735.14	56.7	467735.14	1479108.39
19:43:00	19:43:00	58.6	77.2	64	54	11:17 AM	724435.96	58.6	724435.96	58.6	724435.96	2511886.43
19:44:00	19:44:00	54.7	77.5	63.5	53.1	11:18 AM	691830.97	54.7	691830.97	54.7	691830.97	2238721.14
19:45:00	19:45:00	58.8	77.8	65.6	54.2	11:19 AM	758577.58	58.8	758577.58	58.8	758577.58	3630780.55
19:46:00	19:46:00	59.5	78.2	63.3	55.3	11:20 AM	891250.94	59.5	891250.94	59.5	891250.94	2137962.09
19:47:00	19:47:00	59.7	79.7	69.4	53.8	11:21 AM	933254.30	59.7	933254.30	59.7	933254.30	8709635.90
19:48:00	19:48:00	64.2	85.6	70	55.9	11:22 AM	2630267.99	64.2	2630267.99	64.2	2630267.99	10000000.00
19:49:00	19:49:00	56.1	73	61.2	52.6	11:23 AM	407380.28	56.1	407380.28	56.1	407380.28	1318256.74
19:50:00	19:50:00	60.3	80.1	65.2	53.6	11:24 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	3311311.21
19:51:00	19:51:00	55.5	73.3	58.9	52.3	11:25 AM	354813.39	55.5	354813.39	55.5	354813.39	776247.12
19:52:00	19:52:00	58.8	80.2	64.8	52.6	11:26 AM	758577.58	58.8	758577.58	58.8	758577.58	3019951.72
19:53:00	19:53:00	56.1	73.5	60	51.8	11:27 AM	407380.28	56.1	407380.28	56.1	407380.28	1000000.00
19:54:00	19:54:00	52.5	67.6	53.7	51.6	11:28 AM	177827.94	52.5	177827.94	52.5	177827.94	234422.88
19:55:00	19:55:00	55	73.1	59.7	52.8	11:29 AM	316227.77	55	316227.77	55.0	316227.77	933254.30
19:56:00	19:56:00	62.4	79.8	70.1	53.3	11:30 AM	1737800.83	62.4	1737800.83	62.4	1737800.83	10232929.92
19:57:00	19:57:00	56.6	78.7	64.7	52.7	11:31 AM	457088.19	56.6	457088.19	56.6	457088.19	2951209.23
19:58:00	19:58:00	57.8	74	60.7	54.6	11:32 AM	602559.59	57.8	602559.59	57.8	602559.59	1174897.55
19:59:00	19:59:00	57.8	78.5	65.2	52.3	11:33 AM	602559.59	57.8	602559.59	57.8	602559.59	3311311.21
20:00:00	20:00:00	65.3	87.6	73.7	51.8	11:34 AM	3388441.56	65.3	3388441.56	65.3	3388441.56	23442288.15
20:01:00	20:01:00	56.6	77.6	61.2	51.5	11:35 AM	457088.19	56.6	457088.19	56.6	457088.19	1318256.74
20:02:00	20:02:00	54.9	71.6	60.1	52.3	11:36 AM	309029.54	54.9	309029.54	54.9	309029.54	1023292.99
20:03:00	20:03:00	59.8	78	65.3	53.8	11:37 AM	954992.59	59.8	954992.59	59.8	954992.59	3388441.56
20:04:00	20:04:00	58.4	79.8	68	53.8	11:38 AM	691830.97	58.4	691830.97	58.4	691830.97	6309573.44
20:05:00	20:05:00	57.4	74.4	61.5	52.6	11:39 AM	549540.87	57.4	549540.87	57.4	549540.87	1412537.54
20:06:00	20:06:00	54.5	70.6	58.1	53	11:40 AM	281838.29	54.5	281838.29	54.5	281838.29	645654.23
20:07:00	20:07:00	54.4	72	58.7	51.7	11:41 AM	275422.87	54.4	275422.87	54.4	275422.87	741310.24
20:08:00	20:08:00	55.1	78.2	61.8	52.7	11:42 AM	323593.66	55.1	323593.66	55.1	323593.66	1513561.25
20:09:00	20:09:00	54.3	71.6	59.1	52.2	11:43 AM	269153.48	54.3	269153.48	54.3	269153.48	812830.52
20:10:00	20:10:00	54.4	72.2	59.6	52.2	11:44 AM	275422.87	54.4	275422.87	54.4	275422.87	912010.84
20:11:00	20:11:00	61.1	83.5	67.8	56.5	11:45 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	6025595.86
20:12:00	20:12:00	55.7	79.2	63.2	52.1	11:46 AM	371535.23	55.7	371535.23	55.7	371535.23	2089296.13
20:13:00	20:13:00	53.2	73.9	56	51	11:47 AM	208929.61	53.2	208929.61	53.2	208929.61	398107.17
20:14:00	20:14:00	53.8	70.5	58.4	52.3	11:48 AM	239883.29	53.8	239883.29	53.8	239883.29	691830.97
20:15:00	20:15:00	55.4	75.4	59.2	52.4	11:49 AM	346736.85	55.4	346736.85	55.4	346736.85	831763.77
20:16:00	20:16:00	53.5	69.2	56.1	52.5	11:50 AM	223872.11	53.5	223872.11	53.5	223872.11	407380.28
20:17:00	20:17:00	52.7	69.2	54.8	51.2	11:51 AM	186208.71	52.7	186208.71	52.7	186208.71	301995.17
20:18:00	20:18:00	53.6	69.2	55	52.1	11:52 AM	229086.77	53.6	229086.77	53.6	229086.77	316227.77
20:19:00	20:19:00	60.5	85.4	70.1	53.8	11:53 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	10232929.92
20:20:00	20:20:00	63.7	86.9	72	55.5	11:54 AM	2344228.82	63.7	2344228.82	63.7	2344228.82	15848931.92
20:21:00	20:21:00	61	83.8	69	54.8	11:55 AM	1258925.41	61	1258925.41	61.0	1258925.41	7943282.35
20:22:00	20:22:00	57.6	76.5	66.8	53.8	11:56 AM	575439.94	57.6	575439.94	57.6	575439.94	4786300.92
20:23:00	20:23:00	51.3	70.9	54.8	51.7	11:57 AM	204173.79	51.3	204173.79	51.3	204173.79	301995.17
20:24:00	20:24:00	54.1	78.6	57.6	52.3	11:58 AM	257039.58	54.1	257039.58	54.1	257039.58	575439.94
20:25:00	20:25:00	52.5	67.4	53.6	51.5	11:59 AM	177827.94	52.5	177827.94	52.5	177827.94	229086.77
20:26:00	20:26:00	53.2	73.7	54.4	51.9	12:00 PM	208929.61	53.2	208929.61	53.2	208929.61	275422.87
20:27:00	20:27:00	52.01	67.8	55.7	51.3	12:01 PM	213796.21	52.01	213796.21	52.01	213796.21	371535.23
20:28:00	20:28:00	59.6	84.9	69.6	52	12:02 PM	912010.84	59.6	912010.84	59.6	912010.84	9120108.39
20:29:00	20:29:00	58.2	78.6	63.9	53.9	12:03 PM	660693.45	58.2	660693.45	58.2	660693.45	2454708.92
20:30:00	20:30:00	58.1	75.8	61.7	55.8	12:04 PM	645654.23	58.1	645654.23	58.1	645654.23	1479108.39
20:31:												

Data

20:56:00	20:56:00	51.9	66.7	54.3	50.4	12:30 PM	154881.66	51.9	154881.66	51.9	154881.66	269153.48
20:57:00	20:57:00	53	80	57.3	51.4	12:31 PM	199526.23	53	199526.23	53.0	199526.23	537031.80
20:58:00	20:58:00	52.7	68.6	56.5	50.9	12:32 PM	186208.71	52.7	186208.71	52.7	186208.71	446683.59
20:59:00	20:59:00	53	68.6	56	50	12:33 PM	199526.23	53	199526.23	53.0	199526.23	398107.17
21:00:00	21:00:00	51.9	69.6	53.4	49.9	12:34 PM	154881.66	51.9	154881.66	51.9	154881.66	218776.16
21:01:00	21:01:00	51.8	65.9	53.2	49.9	12:35 PM	151356.12	51.8	151356.12	51.8	151356.12	208929.61
21:02:00	21:02:00	53.3	79.3	58.9	51.3	12:36 PM	213796.21	53.3	213796.21	53.3	213796.21	776247.12
21:03:00	21:03:00	52.7	68.2	54.6	51	12:37 PM	186208.71	52.7	186208.71	52.7	186208.71	288403.15
21:04:00	21:04:00	53.6	71.8	59.6	50.3	12:38 PM	229086.77	53.6	229086.77	53.6	229086.77	912010.84
21:05:00	21:05:00	50.8	65.5	56.9	48.9	12:39 PM	120226.44	50.8	120226.44	50.8	120226.44	489778.82
21:06:00	21:06:00	51.4	68	54.4	49.3	12:40 PM	138038.43	51.4	138038.43	51.4	138038.43	275422.87
21:07:00	21:07:00	52.7	77.4	61.1	49.9	12:41 PM	186208.71	52.7	186208.71	52.7	186208.71	1288249.55
21:08:00	21:08:00	55.2	75.7	61.4	52.2	12:42 PM	331131.12	55.2	331131.12	55.2	331131.12	1380384.26
21:09:00	21:09:00	58.7	82.4	65.8	51.3	12:43 PM	741310.24	58.7	741310.24	58.7	741310.24	3801893.96
21:10:00	21:10:00	52.1	67.7	55.2	50.2	12:44 PM	162181.01	52.1	162181.01	52.1	162181.01	331131.12
21:11:00	21:11:00	52.8	68	57.1	50.2	12:45 PM	190546.07	52.8	190546.07	52.8	190546.07	512861.38
21:12:00	21:12:00	53.4	68.4	56.2	50.9	12:46 PM	218776.16	53.4	218776.16	53.4	218776.16	416869.38
21:13:00	21:13:00	52.5	71.5	56.5	50.4	12:47 PM	177827.94	52.5	177827.94	52.5	177827.94	446683.59
21:14:00	21:14:00	54.2	72.2	58.7	51.8	12:48 PM	263026.80	54.2	263026.80	54.2	263026.80	741310.24
21:15:00	21:15:00	56.2	74.4	61.3	51	12:49 PM	416869.38	56.2	416869.38	56.2	416869.38	1348962.88
21:16:00	21:16:00	55	72	60.9	49.5	12:50 PM	316227.77	55	316227.77	55.0	316227.77	1230268.77
21:17:00	21:17:00	56.1	77.4	62.6	51.3	12:51 PM	407380.28	56.1	407380.28	56.1	407380.28	1819700.86
21:18:00	21:18:00	52.3	79.8	62.2	51	12:52 PM	338844.16	52.3	338844.16	52.3	338844.16	1659586.91
21:19:00	21:19:00	52.4	67.6	55.8	50.1	12:53 PM	173780.08	52.4	173780.08	52.4	173780.08	380189.40
21:20:00	21:20:00	57.3	79.1	64.2	51.7	12:54 PM	537031.80	57.3	537031.80	57.3	537031.80	2630267.99
21:21:00	21:21:00	55.6	80.2	63.6	50.7	12:55 PM	363078.05	55.6	363078.05	55.6	363078.05	2290867.65
21:22:00	21:22:00	55.4	74.8	61.8	50.5	12:56 PM	346736.85	55.4	346736.85	55.4	346736.85	1513561.25
21:23:00	21:23:00	53	70.6	58.1	49.2	12:57 PM	199526.23	53	199526.23	53.0	199526.23	645654.23
21:24:00	21:24:00	52.7	68.8	56.9	50	12:58 PM	186208.71	52.7	186208.71	52.7	186208.71	489778.82
21:25:00	21:25:00	52.9	69.8	56.6	50.6	12:59 PM	194984.46	52.9	194984.46	52.9	194984.46	457088.19
21:26:00	21:26:00	52.4	69.2	56.5	50.4	1:00 PM	173780.08	52.4	173780.08	52.4	173780.08	446683.59
21:27:00	21:27:00	56.2	80.4	66.4	51.5	1:01 PM	416869.38	56.2	416869.38	56.2	416869.38	4365158.32
21:28:00	21:28:00	62.2	80.7	66.5	56.1	1:02 PM	1659586.91	62.2	1659586.91	62.2	1659586.91	4466835.92
21:29:00	21:29:00	54	74.3	60.5	50.5	1:03 PM	251188.64	54	251188.64	54.0	251188.64	1122010.84
21:30:00	21:30:00	55.1	76.6	62	49.4	1:04 PM	323593.66	55.1	323593.66	55.1	323593.66	1584893.19
21:31:00	21:31:00	56.9	76.4	60.4	52.4	1:05 PM	489778.82	56.9	489778.82	56.9	489778.82	1096478.20
21:32:00	21:32:00	54.6	72.6	61.1	49.8	1:06 PM	288403.15	54.6	288403.15	54.6	288403.15	1288249.55
21:33:00	21:33:00	54.2	76.4	62.4	50.8	1:07 PM	263026.80	54.2	263026.80	54.2	263026.80	1737800.83
21:34:00	21:34:00	61.3	81.6	69.7	51.2	1:08 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	9332543.01
21:35:00	21:35:00	56.2	75	61.8	50.7	1:09 PM	416869.38	56.2	416869.38	56.2	416869.38	1513561.25
21:36:00	21:36:00	54.9	74.6	60.2	50.9	1:10 PM	309029.54	54.9	309029.54	54.9	309029.54	1047128.55
21:37:00	21:37:00	59.4	80.7	65.2	53.8	1:11 PM	870963.59	59.4	870963.59	59.4	870963.59	3311311.21
21:38:00	21:38:00	57.9	79.7	62.6	50.8	1:12 PM	616595.00	57.9	616595.00	57.9	616595.00	1819700.86
21:39:00	21:39:00	54.4	71.7	58.2	51.4	1:13 PM	275422.87	54.4	275422.87	54.4	275422.87	660693.45
21:40:00	21:40:00	57.6	79.3	63.3	53.7	1:14 PM	575439.94	57.6	575439.94	57.6	575439.94	2137962.09
21:41:00	21:41:00	53.1	70	55.1	51.5	1:15 PM	204173.79	53.1	204173.79	53.1	204173.79	323593.66
21:42:00	21:42:00	55.5	77.6	59.3	51.7	1:16 PM	354813.39	55.5	354813.39	55.5	354813.39	851138.04
21:43:00	21:43:00	55.1	72.7	59.7	51.5	1:17 PM	323593.66	55.1	323593.66	55.1	323593.66	933254.30
21:44:00	21:44:00	58.1	78.1	62.5	52.5	1:18 PM	645654.23	58.1	645654.23	58.1	645654.23	1778279.41
21:45:00	21:45:00	54.4	70.6	58.2	52	1:19 PM	275422.87	54.4	275422.87	54.4	275422.87	660693.45
21:46:00	21:46:00	53.2	70	56.6	50.4	1:20 PM	208929.61	53.2	208929.61	53.2	208929.61	457088.19
21:47:00	21:47:00	51.6	77.6	56.2	50.3	1:21 PM	144543.98	51.6	144543.98	51.6	144543.98	416869.38
21:48:00	21:48:00	53.5	71.2	58.5	50.6	1:22 PM	223872.11	53.5	223872.11	53.5	223872.11	707945.78
21:49:00	21:49:00	54.2	69.7	57.1	51.5	1:23 PM	263026.80	54.2	263026.80	54.2	263026.80	512861.38
21:50:00	21:50:00	58.3	79.3	63.5	53.1	1:24 PM	676082.98	58.3	676082.98	58.3	676082.98	2238721.14
21:51:00	21:51:00	59.2	78.6	64.8	52.4	1:25 PM	831763.77	59.2	831763.77	59.2	831763.77	3019951.72
21:52:00	21:52:00	53	70	57.1	51.2	1:26 PM	199526.23	53	199526.23	53.0	199526.23	512861.38
21:53:00	21:53:00	53.5	69.7	56.4	50.5	1:27 PM	223872.11	53.5	223872.11	53.5	223872.11	436515.83
21:54:00	21:54:00	57.6	76.4	62.8	51.4	1:28 PM	575439.94	57.6	575439.94	57.6	575439.94	1905460.72
21:55:00	21:55:00	54.5	75.6	64.1	49.7	1:29 PM	281838.29	54.5	281838.29	54.5	281838.29	2570395.78
21:56:00	21:56:00	54.6	70.7	57	50.8	1:30 PM	288403.15	54.6	288403.15	54.6	288403.15	501187.23
21:57:00	21:57:00	61.4	83.8	67.8	55.9	1:31 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	6025595.86
21:58:00	21:58:00	60.7	83.9	67.3	54.6	1:32 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	5370317.96
21:59:00	21:59:00	61.5	82	68.3	53.7	1:33 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	6760829.75
22:00:00	22:00:00	58.9	79.7	65.8	52.6	1:34 PM	776247.12	58.9	776247.12	58.9	776247.12	3801893.96
22:01:00	22:01:00	58.8	79.1	63.6	54.1	1:35 PM	758577.58	58.8	758577.58	58.8	758577.58	2290867.65
22:02:00	22:02:00	56.4	78.2	61.1	51.1	1:36 PM	436515.83	56.4	436515.83	56.4	436515.83	1288249.55
22:03:00	22:03:00	51.2	67.7	55.5	49.5	1:37 PM	131825.67	51.2	131825.67	51.2	131825.67	354813.39
22:04:00	22:04:00	57	77	64	51.1	1:38 PM	501187.23	57	501187.23	57.0	501187.23	2511886.43
22:05:00	22:05:00	52.2	68.1	55.9	49.7	1:39 PM	165958.69	52.2	165958.69	52.2	165958.69	389045.14
22:06:00	22:06:00	53.7	72.7	59.1	50.7	1:40 PM	234422.88	53.7	234422.88	53.7	234422.88	812830.52
22:07:00	22:07:00	56.6	75.3	61.9	50.1	1:41 PM	457088.19	56.6	457088.19	56.6	457088.19	1548816.62
22:08:00	22:08:00	59.6	81	66.5	52.1	1:42 PM	912010.84	59.6	912010.84	59.6	912010.84	4466835.92
22:09:00	22:09:00	57.7	78.7	64.9	50.6	1:43 PM	588843.66	57.7	588843.66	57.7	588843.66	3090295.43
22:10:00	22:10:00	57	76.5	63.1	53	1:44 PM	501187.23	57	501187.23	57.0	501187.23	2041737.94
22:11:00	22:11:00	55.3	75.6	59.7	50.7	1:45 PM	338844.16	55.3	338844.16	55.3	338844.16	933254.30
22:12:00	22:12:00	51.7	66.1	54	50.1	1:46 PM	147910.84	51.7	147910.84	51.7	147910.84	251188.64
22:13:00	22:13:00	59.9	83.3	67.7	51.6	1:47 PM	977237.22	59.9	977237.22	59.9	977237.22	5888436.55
22:14:00	22:14:00	57.7	75.7	62.4	51.2	1:48 PM	588843.66	57.7	588843.66	57.7	588843.66	1737800.83
22:15:00	22:15:00	54.7	74.3	60.7	50.8	1:49 PM	295120.92	54.7	295120.92	54.7	295120.92	1748975.50
22:16:00	22:16:00	59.4	78.4	64.4	52.9	1:50 PM	870963.59	59.4	870963.59	5		

Data

22:41:00	22:41:00	53.3	73.4	58.3	49.6	2:15 PM	213796.21	53.3	213796.21	53.3	213796.21	676082.98
22:42:00	22:42:00	57	78.6	63.1	51.9	2:16 PM	501187.23	57	501187.23	57.0	501187.23	2041737.94
22:43:00	22:43:00	58.9	80.1	65.7	53	2:17 PM	776247.12	58.9	776247.12	58.9	776247.12	3715352.29
22:44:00	22:44:00	57.3	78.1	63.5	51	2:18 PM	537031.80	57.3	537031.80	57.3	537031.80	2238721.14
22:45:00	22:45:00	55	75.9	61.9	50.8	2:19 PM	316227.77	55	316227.77	55.0	316227.77	1548816.62
22:46:00	22:46:00	55.5	74.9	60.1	52.4	2:20 PM	354813.39	55.5	354813.39	55.5	354813.39	1023292.99
22:47:00	22:47:00	57.7	81.3	61.9	52.9	2:21 PM	588843.66	57.7	588843.66	57.7	588843.66	1548816.62
22:48:00	22:48:00	62.2	80.8	66.3	57	2:22 PM	1659586.91	62.2	1659586.91	62.2	1659586.91	4265795.19
22:49:00	22:49:00	60.2	78.1	65.1	54.2	2:23 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	3235936.57
22:50:00	22:50:00	62.7	84.5	70.7	55	2:24 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	11748975.55
22:51:00	22:51:00	51.2	67.2	54.9	49.8	2:25 PM	131825.67	51.2	131825.67	51.2	131825.67	309029.54
22:52:00	22:52:00	53.7	69.1	56	51.7	2:26 PM	234422.88	53.7	234422.88	53.7	234422.88	398107.17
22:53:00	22:53:00	60.9	78.4	64.7	54	2:27 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	2951209.23
22:54:00	22:54:00	57.6	81.1	66.2	51.5	2:28 PM	575439.94	57.6	575439.94	57.6	575439.94	4168693.83
22:55:00	22:55:00	53.3	70	58.5	51.3	2:29 PM	213796.21	53.3	213796.21	53.3	213796.21	707945.78
22:56:00	22:56:00	56.7	79.2	67.4	51.2	2:30 PM	467735.14	56.7	467735.14	56.7	467735.14	5495408.74
22:57:00	22:57:00	60.9	85.1	68.1	52.3	2:31 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	6456542.29
22:58:00	22:58:00	56.7	75.6	62.5	52.6	2:32 PM	467735.14	56.7	467735.14	56.7	467735.14	1778279.41
22:59:00	22:59:00	52.7	68.5	56.8	50.5	2:33 PM	186208.71	52.7	186208.71	52.7	186208.71	478630.09
23:00:00	23:00:00	53.9	70.2	56.8	51.3	2:34 PM	245470.89	53.9	245470.89	53.9	245470.89	478630.09
23:01:00	23:01:00	56.3	75.9	62.7	52.3	2:35 PM	426579.52	56.3	426579.52	56.3	426579.52	1862087.14
23:02:00	23:02:00	58.6	79.4	62.3	53.7	2:36 PM	724435.96	58.6	724435.96	58.6	724435.96	1698243.65
23:03:00	23:03:00	57.9	76	65.8	52.4	2:37 PM	616595.00	57.9	616595.00	57.9	616595.00	3801893.96
23:04:00	23:04:00	58.5	80.8	64.2	53	2:38 PM	707945.78	58.5	707945.78	58.5	707945.78	2630267.99
23:05:00	23:05:00	59.6	81.1	65.9	54.1	2:39 PM	912010.84	59.6	912010.84	59.6	912010.84	3890451.45
23:06:00	23:06:00	58.1	77.7	63.9	53.4	2:40 PM	645654.23	58.1	645654.23	58.1	645654.23	2454708.92
23:07:00	23:07:00	54.8	75.6	60.7	50.6	2:41 PM	301995.17	54.8	301995.17	54.8	301995.17	1174897.55
23:08:00	23:08:00	53.6	70.6	58.7	50.7	2:42 PM	229086.77	53.6	229086.77	53.6	229086.77	741310.24
23:09:00	23:09:00	54.4	75.6	63.9	50.9	2:43 PM	275422.87	54.4	275422.87	54.4	275422.87	2454708.92
23:10:00	23:10:00	53.1	68.6	56	51.1	2:44 PM	204173.79	53.1	204173.79	53.1	204173.79	398107.17
23:11:00	23:11:00	56.3	81.7	64.3	51.8	2:45 PM	426579.52	56.3	426579.52	56.3	426579.52	2691534.80
23:12:00	23:12:00	56.2	81.1	62	52.1	2:46 PM	416869.38	56.2	416869.38	56.2	416869.38	1584893.19
23:13:00	23:13:00	60.3	78.1	65.3	53	2:47 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	3388441.56
23:14:00	23:14:00	54.8	73.8	61.8	52	2:48 PM	301995.17	54.8	301995.17	54.8	301995.17	1513561.25
23:15:00	23:15:00	52	67.7	54.2	50.2	2:49 PM	158489.32	52	158489.32	52.0	158489.32	263026.80
23:16:00	23:16:00	65.8	90.3	75.4	52.1	2:50 PM	3801893.96	65.8	3801893.96	65.8	3801893.96	34673685.05
23:17:00	23:17:00	54.4	72.6	61	51.1	2:51 PM	275422.87	54.4	275422.87	54.4	275422.87	1258925.41
23:18:00	23:18:00	61.4	80.9	66	55.6	2:52 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	3981071.71
23:19:00	23:19:00	61.1	82.2	66.8	56.9	2:53 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	4786300.92
23:20:00	23:20:00	63.6	88.7	72.5	53.1	2:54 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	17782794.10
23:21:00	23:21:00	58.7	78.6	63.1	53.1	2:55 PM	741310.24	58.7	741310.24	58.7	741310.24	2041737.94
23:22:00	23:22:00	58.1	80	64.9	53.3	2:56 PM	645654.23	58.1	645654.23	58.1	645654.23	3090295.43
23:23:00	23:23:00	58.2	76.6	65.9	51.1	2:57 PM	660693.45	58.2	660693.45	58.2	660693.45	3890451.45
23:24:00	23:24:00	55.5	73.5	61.9	52.1	2:58 PM	354813.39	55.5	354813.39	55.5	354813.39	1548816.62
23:25:00	23:25:00	53.3	67.8	56.2	51	2:59 PM	213796.21	53.3	213796.21	53.3	213796.21	416869.38
23:26:00	23:26:00	59	82.7	65	52	3:00 PM	794328.23	59	794328.23	59.0	794328.23	3162277.66
23:27:00	23:27:00	60.1	80	65.9	53.8	3:01 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	3890451.45
23:28:00	23:28:00	54.1	70.4	57.7	51.8	3:02 PM	257039.58	54.1	257039.58	54.1	257039.58	588843.66
23:29:00	23:29:00	57.2	82.2	65.1	51.9	3:03 PM	524807.46	57.2	524807.46	57.2	524807.46	3235936.57
23:30:00	23:30:00	56.5	78	62.1	51.7	3:04 PM	446683.59	56.5	446683.59	56.5	446683.59	1621810.10
23:31:00	23:31:00	56.3	78.4	64.8	51.8	3:05 PM	426579.52	56.3	426579.52	56.3	426579.52	3019951.72
23:32:00	23:32:00	59.2	80.7	66.6	54.7	3:06 PM	831763.77	59.2	831763.77	59.2	831763.77	4570881.90
23:33:00	23:33:00	61.5	81.4	67.1	51.6	3:07 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	5128613.84
23:34:00	23:34:00	57.5	78	65.3	51.4	3:08 PM	562341.33	57.5	562341.33	57.5	562341.33	3388441.56
23:35:00	23:35:00	56.4	77.9	64.7	52.6	3:09 PM	436515.83	56.4	436515.83	56.4	436515.83	2951209.23
23:36:00	23:36:00	53.5	68.6	56.2	51.8	3:10 PM	223872.11	53.5	223872.11	53.5	223872.11	416869.38
23:37:00	23:37:00	61.7	83.8	69.7	51.3	3:11 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	9332543.01
23:38:00	23:38:00	65.1	90.1	74.8	53.1	3:12 PM	3235936.57	65.1	3235936.57	65.1	3235936.57	30199517.20
23:39:00	23:39:00	62	86	72.7	51.1	3:13 PM	1584893.19	62	1584893.19	62.0	1584893.19	18620871.37
23:40:00	23:40:00	56.9	77.4	66.2	51.7	3:14 PM	489778.82	56.9	489778.82	56.9	489778.82	4168693.83
23:41:00	23:41:00	52.8	77.5	59.3	51	3:15 PM	190546.07	52.8	190546.07	52.8	190546.07	851138.04
23:42:00	23:42:00	64.3	86.9	71.3	54	3:16 PM	2691534.80	64.3	2691534.80	64.3	2691534.80	13489628.83
23:43:00	23:43:00	53.1	69.1	56.4	51.6	3:17 PM	204173.79	53.1	204173.79	53.1	204173.79	436515.83
23:44:00	23:44:00	55.1	84.3	59.6	52.3	3:18 PM	323593.66	55.1	323593.66	55.1	323593.66	912010.84
23:45:00	23:45:00	54.2	69.5	57.1	52.5	3:19 PM	263026.80	54.2	263026.80	54.2	263026.80	512861.38
23:46:00	23:46:00	54.3	72.2	57.7	51.4	3:20 PM	269153.48	54.3	269153.48	54.3	269153.48	588843.66
23:47:00	23:47:00	63.6	94.9	70.6	51.9	3:21 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	11481536.21
23:48:00	23:48:00	53.3	73.1	55.5	51.5	3:22 PM	213796.21	53.3	213796.21	53.3	213796.21	354813.39
23:49:00	23:49:00	52.8	74.2	55.2	50.7	3:23 PM	190546.07	52.8	190546.07	52.8	190546.07	331131.12
23:50:00	23:50:00	64.2	84.8	70.9	51.8	3:24 PM	2630267.99	64.2	2630267.99	64.2	2630267.99	12302687.71
23:51:00	23:51:00	61.4	82.3	67.9	53.3	3:25 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	6165950.02
23:52:00	23:52:00	57.7	77.1	65.6	50.5	3:26 PM	588843.66	57.7	588843.66	57.7	588843.66	3630780.55
23:53:00	23:53:00	53.9	70.1	58.2	50.4	3:27 PM	245470.89	53.9	245470.89	53.9	245470.89	660693.45
23:54:00	23:54:00	53.3	69.1	56.3	50.4	3:28 PM	213796.21	53.3	213796.21	53.3	213796.21	426579.52
23:55:00	23:55:00	52.8	87.5	58.3	50.9	3:29 PM	190546.07	52.8	190546.07	52.8	190546.07	676082.98
23:56:00	23:56:00	62.3	86.8	71.2	53	3:30 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	13182567.39
23:57:00	23:57:00	52.4	79.5	57	51	3:31 PM	173780.08	52.4	173780.08	52.4	173780.08	501187.23
23:58:00	23:58:00	56.1	78.9	63	51.2	3:32 PM	407380.28	56.1	407380.28	56.1	407380.28	1995262.31
23:59:00	23:59:00	54.2	74.5	59	51.1	3:33 PM	263026.80	54.2	263026.80	54.2	263026.80	794328.23
24:00:00	24:00:00	62.9	87.7	71.1	51.9	3:34 PM	1949844.60	62.9	1949844.60	62.9	1949844.60	12882495.52

## Summary

Serial Number           BIJ090010  
 Start Time               15:09:33 25-Apr-2022  
 Run Length              24:00:00 5529600

UNIT REV                R13B

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	113.9	
Date		15:03:51 25-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	67.5	67.5
Lmax	dB	94.7	94.7
Lmin	dB	55.4	55.4
Lpk	dB	112.4	112.4
TWA	dB	72.3	72.2
PTWA	dB	58.5	58.4
DOSE	%	16.82	16.67
PDOSE	%	0.7	0.69
SEL	dB	116.8	116.8
EXP	p2s	193	193

Measurement	Units	Value
LDN	dB	69.5
CNEL	dB	69.3
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	77.7
L08	dB	61.1
L25	dB	59.7
L50	dB	58.9

**CUP Site #4 - Measurement #1**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	94.7	77.7	74.2	67.4	64.2	62.6	61.7	61.3	61.1	61
10	60.8	60.7	60.6	60.5	60.4	60.4	60.3	60.2	60.1	60.1
20	60	60	59.9	59.8	59.8	59.7	59.7	59.7	59.6	59.6
30	59.5	59.5	59.5	59.4	59.4	59.3	59.3	59.3	59.3	59.2
40	59.2	59.2	59.1	59.1	59.1	59	59	59	59	59
50	58.9	58.9	58.9	58.9	58.9	58.9	58.8	58.8	58.8	58.8
60	58.8	58.7	58.7	58.7	58.7	58.7	58.6	58.6	58.6	58.6
70	58.6	58.5	58.5	58.5	58.5	58.4	58.4	58.4	58.3	58.3
80	58.3	58.2	58.2	58.2	58.1	58.1	58.1	58	58	57.9
90	57.9	57.8	57.7	57.7	57.6	57.5	57.5	57.4	57.2	57

Raw Stat Table

dB	Count
55.4	3
55.5	98
55.6	119
55.7	173
55.8	256
55.9	315
56	655
56.1	1244
56.2	966
56.3	1432
56.4	1970
56.5	2695
56.6	3813
56.7	4272
56.8	5803
56.9	9249
57	12434
57.1	17117
57.2	23343
57.3	33229
57.4	43244
57.5	53996
57.6	64520
57.7	76889
57.8	88123
57.9	100627
58	106854
58.1	120592
58.2	131411
58.3	145508
58.4	172223

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
55					0	0	0	0	0	0
56	0.01	0.02	0.01	0.02	0.03	0.04	0.06	0.07	0.1	0.16
57	0.22	0.3	0.42	0.6	0.78	0.97	1.16	1.39	1.59	1.81
58	1.93	2.18	2.37	2.63	3.11	3.62	4.12	4.66	4.94	5.25
59	5.3	4.98	3.39	3.43	3.21	2.88	2.54	2.36	2.2	2.02
60	1.85	1.67	1.54	1.46	1.31	1.19	1.11	1	0.96	0.86
61	0.76	0.66	0.62	0.52	0.44	0.35	0.27	0.21	0.17	0.15
62	0.13	0.11	0.08	0.05	0.08	0.08	0.1	0.1	0.09	0.08
63	0.08	0.08	0.08	0.08	0.06	0.05	0.05	0.05	0.04	0.04
64	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.07	0.07	0.07
65	0.07	0.06	0.05	0.02	0.02	0.02	0.01	0.02	0.01	0.01
66	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
67	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68	0.01	0.01	0.01	0	0.01	0.01	0	0	0	0.01
69	0	0	0.01	0	0.01	0.01	0.02	0.04	0.04	0.06
70	0.06	0.06	0.05	0.03	0.02	0.02	0.01	0.01	0	0
71	0	0	0	0	0	0	0	0	0	0

**CUP Site #4 - Measurement #1**

Summary

72	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0.01	0	0.01	0.01
74	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01
75	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0
76	0	0	0	0	0	0	0.02	0.03	0.06	0.08
77	0.11	0.14	0.11	0.06	0.05	0.04	0.03	0.02	0.01	0.01
78	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0
79	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01
80	0.01	0.01	0.01	0	0	0	0	0	0	0
81	0	0	0	0.01	0.02	0.02	0.03	0.03	0.03	0.03
82	0.03	0.02	0.01	0	0.01	0.01	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0.01	0
92	0	0	0	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0	0	0	0

58.5	200191
58.6	227822
58.7	258135
58.8	273634
58.9	290526
59	293488
59.1	275812
59.2	187545
59.3	190159
59.4	177679
59.5	159566
59.6	140579
59.7	130573
59.8	121783
59.9	111879
60	102802
60.1	92416
60.2	85435
60.3	81138
60.4	72575
60.5	66017
60.6	61756
60.7	55379
60.8	53320
60.9	48012
61	42341
61.1	36897
61.2	34285
61.3	29152
61.4	24546
61.5	19798
61.6	15175
61.7	11864
61.8	9851
61.9	8462
62	7355
62.1	6520
62.2	4950
62.3	3013
62.4	4494
62.5	4608
62.6	5562
62.7	5849

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		58.3	83.5	62.3	57.2
	0:02:00	0:02:00		58.8	86.3	64.9	57.2
	0:03:00	0:03:00		57.9	77.3	59.2	56.6
	0:04:00	0:04:00		57.9	71.8	60	56.3
	0:05:00	0:05:00		58.2	75.4	60.5	56.7
	0:06:00	0:06:00		80.1	109.1	91.9	60.5
	0:07:00	0:07:00		78.2	93.4	80.7	77.4
	0:08:00	0:08:00		79.9	94.1	81.7	78.7
	0:09:00	0:09:00		79.9	93.7	80.5	79.2
	0:10:00	0:10:00		78.5	92.5	79.3	78
	0:11:00	0:11:00		77.6	92.5	78.9	76.9
	0:12:00	0:12:00		77.4	92.1	78.1	76.7
	0:13:00	0:13:00		77.1	92	77.7	76.8
	0:14:00	0:14:00		77.3	91.4	78.1	76.7
	0:15:00	0:15:00		77	91.8	77.7	76
	0:16:00	0:16:00		80.5	98	88.5	70
	0:17:00	0:17:00		76.7	94	80.1	69.5
	0:18:00	0:18:00		76.8	90.2	77.1	76.1
	0:19:00	0:19:00		76.9	90.5	77.2	76.4
	0:20:00	0:20:00		77	90.3	77.4	76.6
	0:21:00	0:21:00		77.1	90.6	77.5	76.7
	0:22:00	0:22:00		77.5	97	82	76.6
	0:23:00	0:23:00		77	90.4	77.6	75.5
	0:24:00	0:24:00		73.8	88.4	75.7	72
	0:25:00	0:25:00		74.9	88.7	75.8	73.8
	0:26:00	0:26:00		74.8	97.9	81.5	69.7
	0:27:00	0:27:00		71.8	95.9	80.2	69.3
	0:28:00	0:28:00		70	93.7	72	69.5
	0:29:00	0:29:00		71.2	94.7	78.7	69.3
	0:30:00	0:30:00		75.4	89.6	78.5	73.2
	0:31:00	0:31:00		73.5	99.2	83.2	69.4
	0:32:00	0:32:00		71.5	92.2	79.5	69.3
	0:33:00	0:33:00		70.3	98.7	75.7	69.5
	0:34:00	0:34:00		69.7	100.2	75.2	62.7
	0:35:00	0:35:00		60.2	79.4	65.7	57.1
	0:36:00	0:36:00		57.3	71.5	58.9	56.1
	0:37:00	0:37:00		59.5	76.3	63.8	56.5
	0:38:00	0:38:00		66.2	90.6	77.7	57.3
	0:39:00	0:39:00		58.4	74	61.9	56.4
	0:40:00	0:40:00		57.9	73.7	61.1	56.4
	0:41:00	0:41:00		57.7	72	59.3	56.7
	0:42:00	0:42:00		58.4	73.5	60.4	56.7
	0:43:00	0:43:00		57.7	72.1	59.3	56.6
	0:44:00	0:44:00		57.5	73.1	59.5	56.3
	0:45:00	0:45:00		58.5	75.1	62.6	56.3
	0:46:00	0:46:00		57.3	72.5	58.3	56.1
	0:47:00	0:47:00		57.4	72.1	59	56.4
	0:48:00	0:48:00		57.3	72.9	59.1	56.2
	0:49:00	0:49:00		57.4	71.2	58.7	56.1
	0:50:00	0:50:00		57.1	71.7	58.7	55.7
	0:51:00	0:51:00		57.8	76.1	61.5	56
	0:52:00	0:52:00		57.6	72.9	59.1	56.4
	0:53:00	0:53:00		57.7	73.2	59.7	56
	0:54:00	0:54:00		57.5	71.9	58.8	56.4
	0:55:00	0:55:00		57.1	71	59	56
	0:56:00	0:56:00		58.3	74.3	60	56.7
	0:57:00	0:57:00		57.8	72.8	59	56.8
	0:58:00	0:58:00		58	72.8	59.5	56.8
	0:59:00	0:59:00		57.8	71.7	59.2	56.6
	1:00:00	1:00:00		57.7	72.4	59.2	56.5
	1:01:00	1:01:00		57.7	71.8	59.4	56.8
	1:02:00	1:02:00		58	72.1	59.5	56.8
	1:03:00	1:03:00		59.2	76.7	63.8	57.4
	1:04:00	1:04:00		58.4	72.7	59.5	57.4
	1:05:00	1:05:00		59.1	76.3	61.9	57.1
	1:06:00	1:06:00		58.1	72.4	60.1	57
	1:07:00	1:07:00		58	72.5	59.7	56.8
	1:08:00	1:08:00		58	72.5	60	56.8
	1:09:00	1:09:00		57.6	72.6	59.7	56.6
	1:10:00	1:10:00		57.7	72.3	59	56.5
	1:11:00	1:11:00		57.7	71.9	59.4	56.8
	1:12:00	1:12:00		58.4	73.3	61.6	56.7
	1:13:00	1:13:00		57.7	72.5	59.6	56.6
	1:14:00	1:14:00		57.7	71.8	59.5	56.7
	1:15:00	1:15:00		57.6	72.7	60	56.5
	1:16:00	1:16:00		57.7	71.8	59.1	56.8
	1:17:00	1:17:00		58.3	74.3	60.1	56.8
	1:18:00	1:18:00		58.2	72.7	59.3	57.3
	1:19:00	1:19:00		58.5	73.2	60	57.4
	1:20:00	1:20:00		58	72.5	59.4	56.9
	1:21:00	1:21:00		58.1	73.4	59.7	56.9
	1:22:00	1:22:00		59	78.6	64.9	56.9
	1:23:00	1:23:00		58.9	79.9	64.6	57.3
	1:24:00	1:24:00		58.2	72.7	60.2	57.3
	1:25:00	1:25:00		60	81.2	66.7	57.4
	1:26:00	1:26:00		58.1	73.2	59.9	57
	1:27:00	1:27:00		58.1	72.6	59.9	57.1
	1:28:00	1:28:00		58.6	74.1	60.9	57.2
	1:29:00	1:29:00		58.3	74.1	61.2	57.4
	1:30:00	1:30:00		58	74.4	59.3	56.9
	1:31:00	1:31:00		58	72.5	59.8	56.9
	1:32:00	1:32:00		57.9	72.5	59	56.9
	1:33:00	1:33:00		58.1	72.4	59.5	56.9
	1:34:00	1:34:00		58.1	72.5	59.4	57
	1:35:00	1:35:00		58.3	73.2	59.6	57.5
	1:36:00	1:36:00		58.1	73.1	59.8	57.2
	1:37:00	1:37:00		58.1	73.3	59.9	57.2
	1:38:00	1:38:00		58.3	73.7	59.9	57.1
	1:39:00	1:39:00		58.4	72.8	60.5	57.2
	1:40:00	1:40:00		58	73.1	60.1	56.7

	Daytime	Nighttime
L <sub>eq</sub>	69.3	59.5
L <sub>max</sub>	94.7	69.6
CNEL	69.5	
L <sub>dn</sub>	69.4	
L <sub>50</sub>	66.2	60.1
L <sub>25</sub>	77.0	60.2
L <sub>5</sub>	86.0	60.4
L <sub>1.7</sub>	90.9	64.0
L <sub>max</sub>	94.7	69.6

	L <sub>eq</sub>	L <sub>max</sub>
7:30 a.m. - 9:30 p.m.	69.6	94.7
9:30 p.m. - 7:30 a.m.	59.5	69.6

Time	L <sub>eq</sub> 10 <sup>(K/10)</sup>	CNEL	CNEL 10 <sup>(K/10)</sup>	L <sub>dn</sub>	L <sub>eq</sub> 10 <sup>(K/10)</sup>	L <sub>max</sub> 10 <sup>(K/10)</sup>
3:09 PM						
3:10 PM	676082.98	58.3	676082.98	58.3	676082.98	1698243.65
3:11 PM	758577.58	58.8	758577.58	58.8	758577.58	3090295.43
3:12 PM	616595.00	57.9	616595.00	57.9	616595.00	831763.77
3:13 PM	616595.00	57.9	616595.00	57.9	616595.00	1000000.00
3:14 PM	660693.45	58.2	660693.45	58.2	660693.45	1122018.45
3:15 PM	102329299.23	80.1	102329299.23	80.1	102329299.23	1548816618.91
3:16 PM	66069344.80	78.2	66069344.80	78.2	66069344.80	117489755.49
3:17 PM	97723722.10	79.9	97723722.10	79.9	97723722.10	147910838.82
3:18 PM	97723722.10	79.9	97723722.10	79.9	97723722.10	112201845.43
3:19 PM	70794578.44	78.5	70794578.44	78.5	70794578.44	85113803.82
3:20 PM	57543993.73	77.6	57543993.73	77.6	57543993.73	77624711.66
3:21 PM	54954087.39	77.4	54954087.39	77.4	54954087.39	64565422.90
3:22 PM	51286138.40	77.1	51286138.40	77.1	51286138.40	58884365.54
3:23 PM	53703179.64	77.3	53703179.64	77.3	53703179.64	64565422.90
3:24 PM	50118723.36	77	50118723.36	77.0	50118723.36	58884365.54
3:25 PM	112201845.43	80.5	112201845.43	80.5	112201845.43	707945784.38
3:26 PM	46773514.13	76.7	46773514.13	76.7	46773514.13	102329299.23
3:27 PM	47863009.23	76.8	47863009.23	76.8	47863009.23	51286138.40
3:28 PM	48977881.94	76.9	48977881.94	76.9	48977881.94	52480746.02
3:29 PM	50118723.36	77	50118723.36	77.0	50118723.36	54954087.39
3:30 PM	51286138.40	77.1	51286138.40	77.1	51286138.40	56234132.52
3:31 PM	56234132.52	77.5	56234132.52	77.5	56234132.52	158489319.25
3:32 PM	50118723.36	77	50118723.36	77.0	50118723.36	57543993.73
3:33 PM	23988329.19	73.8	23988329.19	73.8	23988329.19	3715352.91
3:34 PM	30902954.33	74.9	30902954.33	74.9	30902954.33	38018939.63
3:35 PM	30199517.20	74.8	30199517.20	74.8	30199517.20	141253754.46
3:36 PM	15135612.48	71.8	15135612.48	71.8	15135612.48	104712854.81
3:37 PM	10000000.00	70	10000000.00	70.0	10000000.00	15848931.92
3:38 PM	13182567.39	71.2	13182567.39	71.2	13182567.39	74131024.13
3:39 PM	34673685.05	75.4	34673685.05	75.4	34673685.05	70794578.44
3:40 PM	22387211.39	73.5	22387211.39	73.5	22387211.39	208929613.09
3:41 PM	14125375.45	71.5	14125375.45	71.5	14125375.45	89125093.81
3:42 PM	10715193.05	70.3	10715193.05	70.3	10715193.05	37153522.91
3:43 PM	9332543.01	69.7	9332543.01	69.7	9332543.01	33113112.15
3:44 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	3715352.29
3:45 PM	537031.80	57.3	537031.80	57.3	537031.80	776247.12
3:46 PM	891250.94	59.5	891250.94	59.5	891250.94	2398832.92
3:47 PM	4168693.83	66.2	4168693.83	66.2	4168693.83	58884365.54
3:48 PM	691830.97	58.4	691830.97	58.4	691830.97	1548816.62
3:49 PM	616595.00	57.9	616595.00	57.9	616595.00	1288249.55
3:50 PM	588843.66	57.7	588843.66	57.7	588843.66	851138.04
3:51 PM	691830.97	58.4	691830.97	58.4	691830.97	1096478.20
3:52 PM	588843.66	57.7	588843.66	57.7	588843.6	

Data

1:41:00	1:41:00	58.1	75.8	61.1	56.6	4:50 PM	645654.23	58.1	645654.23	58.1	645654.23	1288249.55
1:42:00	1:42:00	58.4	76.2	61	57.1	4:51 PM	691830.97	58.4	691830.97	58.4	691830.97	1258925.41
1:43:00	1:43:00	58.7	72.5	59.6	57.7	4:52 PM	741310.24	58.7	741310.24	58.7	741310.24	912010.84
1:44:00	1:44:00	58.4	72.7	59.6	57.4	4:53 PM	691830.97	58.4	691830.97	58.4	691830.97	912010.84
1:45:00	1:45:00	58.1	72.9	59.6	57.2	4:54 PM	645654.23	58.1	645654.23	58.1	645654.23	912010.84
1:46:00	1:46:00	58.2	72.7	60	57.1	4:55 PM	660693.45	58.2	660693.45	58.2	660693.45	1000000.00
1:47:00	1:47:00	58.4	72.7	60	56.9	4:56 PM	691830.97	58.4	691830.97	58.4	691830.97	1000000.00
1:48:00	1:48:00	58	73.9	59.1	57.2	4:57 PM	630957.34	58	630957.34	58.0	630957.34	812830.52
1:49:00	1:49:00	58.3	73.2	59.7	56.9	4:58 PM	676082.98	58.3	676082.98	58.3	676082.98	933254.30
1:50:00	1:50:00	58.5	73.4	60.8	56.9	4:59 PM	707945.78	58.5	707945.78	58.5	707945.78	1202264.43
1:51:00	1:51:00	58	72.5	59.5	56.8	5:00 PM	630957.34	58	630957.34	58.0	630957.34	891250.94
1:52:00	1:52:00	58.1	72.8	59.6	56.9	5:01 PM	645654.23	58.1	645654.23	58.1	645654.23	912010.84
1:53:00	1:53:00	58.3	72.5	59.7	57.2	5:02 PM	676082.98	58.3	676082.98	58.3	676082.98	933254.30
1:54:00	1:54:00	58.4	72.9	59.9	57.2	5:03 PM	691830.97	58.4	691830.97	58.4	691830.97	977237.22
1:55:00	1:55:00	58.4	72.1	59.9	57.4	5:04 PM	691830.97	58.4	691830.97	58.4	691830.97	977237.22
1:56:00	1:56:00	58.8	73.4	60.5	57.4	5:05 PM	758577.58	58.8	758577.58	58.8	758577.58	1122018.45
1:57:00	1:57:00	58.4	72.7	59.5	57.4	5:06 PM	691830.97	58.4	691830.97	58.4	691830.97	891250.94
1:58:00	1:58:00	58.7	73.9	60.1	57.2	5:07 PM	741310.24	58.7	741310.24	58.7	741310.24	1023292.99
1:59:00	1:59:00	58.4	72.7	59.7	57.2	5:08 PM	691830.97	58.4	691830.97	58.4	691830.97	933254.30
2:00:00	2:00:00	58.3	72.6	59.9	57.1	5:09 PM	676082.98	58.3	676082.98	58.3	676082.98	977237.22
2:01:00	2:01:00	58.3	72.9	59.7	57.2	5:10 PM	676082.98	58.3	676082.98	58.3	676082.98	933254.30
2:02:00	2:02:00	58.2	74.3	59.4	57.3	5:11 PM	660693.45	58.2	660693.45	58.2	660693.45	870963.59
2:03:00	2:03:00	58.3	72.8	59.4	56.9	5:12 PM	676082.98	58.3	676082.98	58.3	676082.98	870963.59
2:04:00	2:04:00	58.3	74.2	60.4	57.1	5:13 PM	676082.98	58.3	676082.98	58.3	676082.98	1096478.20
2:05:00	2:05:00	57.6	71.6	59.6	56.9	5:14 PM	575439.94	57.6	575439.94	57.6	575439.94	912010.84
2:06:00	2:06:00	57.6	72.4	59.3	56.7	5:15 PM	575439.94	57.6	575439.94	57.6	575439.94	851138.04
2:07:00	2:07:00	57.9	73	59	56.9	5:16 PM	616595.00	57.9	616595.00	57.9	616595.00	794328.23
2:08:00	2:08:00	57.9	72.6	59.4	56.8	5:17 PM	616595.00	57.9	616595.00	57.9	616595.00	870963.59
2:09:00	2:09:00	58.5	72.7	60.3	57.4	5:18 PM	707945.78	58.5	707945.78	58.5	707945.78	1071519.31
2:10:00	2:10:00	58.2	72.2	60.1	56.7	5:19 PM	660693.45	58.2	660693.45	58.2	660693.45	1023292.99
2:11:00	2:11:00	57.8	72	59.4	56.9	5:20 PM	602559.59	57.8	602559.59	57.8	602559.59	870963.59
2:12:00	2:12:00	58	72.7	59.5	56.9	5:21 PM	630957.34	58	630957.34	58.0	630957.34	891250.94
2:13:00	2:13:00	58	71.8	59.4	56.9	5:22 PM	630957.34	58	630957.34	58.0	630957.34	870963.59
2:14:00	2:14:00	58.3	74.4	62.8	56.9	5:23 PM	676082.98	58.3	676082.98	58.3	676082.98	1905460.72
2:15:00	2:15:00	58.1	73.6	59.5	57.1	5:24 PM	645654.23	58.1	645654.23	58.1	645654.23	891250.94
2:16:00	2:16:00	58.3	72.3	59.6	57.2	5:25 PM	676082.98	58.3	676082.98	58.3	676082.98	912010.84
2:17:00	2:17:00	58.4	72.8	60	57.4	5:26 PM	691830.97	58.4	691830.97	58.4	691830.97	1000000.00
2:18:00	2:18:00	58.4	73.5	59.8	57.4	5:27 PM	691830.97	58.4	691830.97	58.4	691830.97	954992.59
2:19:00	2:19:00	58.8	73.2	60.8	57.4	5:28 PM	758577.58	58.8	758577.58	58.8	758577.58	1202264.43
2:20:00	2:20:00	58.2	72	59.5	57.3	5:29 PM	660693.45	58.2	660693.45	58.2	660693.45	891250.94
2:21:00	2:21:00	58.2	72.3	59.7	57.1	5:30 PM	660693.45	58.2	660693.45	58.2	660693.45	933254.30
2:22:00	2:22:00	58.2	73.6	60	56.9	5:31 PM	660693.45	58.2	660693.45	58.2	660693.45	1000000.00
2:23:00	2:23:00	58.2	73.2	59.7	56.9	5:32 PM	660693.45	58.2	660693.45	58.2	660693.45	933254.30
2:24:00	2:24:00	58.1	73.7	59.5	56.7	5:33 PM	645654.23	58.1	645654.23	58.1	645654.23	891250.94
2:25:00	2:25:00	58.1	72.4	59.3	57	5:34 PM	645654.23	58.1	645654.23	58.1	645654.23	851138.04
2:26:00	2:26:00	58.2	72.1	59.8	57.2	5:35 PM	660693.45	58.2	660693.45	58.2	660693.45	954992.59
2:27:00	2:27:00	58.3	73.6	59.4	56.9	5:36 PM	676082.98	58.3	676082.98	58.3	676082.98	870963.59
2:28:00	2:28:00	58.2	72.6	59.8	57.3	5:37 PM	660693.45	58.2	660693.45	58.2	660693.45	954992.59
2:29:00	2:29:00	58.8	75.9	61.1	57.6	5:38 PM	758577.58	58.8	758577.58	58.8	758577.58	1288249.55
2:30:00	2:30:00	58.4	72.2	59.9	57.2	5:39 PM	691830.97	58.4	691830.97	58.4	691830.97	977237.22
2:31:00	2:31:00	58.4	73.4	59.9	57	5:40 PM	691830.97	58.4	691830.97	58.4	691830.97	977237.22
2:32:00	2:32:00	59.3	76.1	62.2	57.7	5:41 PM	851138.04	59.3	851138.04	59.3	851138.04	1659586.91
2:33:00	2:33:00	58.4	72.3	59.9	57.1	5:42 PM	691830.97	58.4	691830.97	58.4	691830.97	977237.22
2:34:00	2:34:00	58.1	71.9	59.3	57.2	5:43 PM	645654.23	58.1	645654.23	58.1	645654.23	851138.04
2:35:00	2:35:00	59	78.6	61.9	57.5	5:44 PM	794328.23	59	794328.23	59.0	794328.23	1548816.62
2:36:00	2:36:00	58.2	72.2	59.3	57.2	5:45 PM	660693.45	58.2	660693.45	58.2	660693.45	851138.04
2:37:00	2:37:00	58.3	73	60.1	57.3	5:46 PM	676082.98	58.3	676082.98	58.3	676082.98	1023292.99
2:38:00	2:38:00	58.4	73.6	60.3	57.1	5:47 PM	691830.97	58.4	691830.97	58.4	691830.97	1071519.31
2:39:00	2:39:00	58.4	72.3	59.7	57.5	5:48 PM	691830.97	58.4	691830.97	58.4	691830.97	933254.30
2:40:00	2:40:00	58.3	73.9	60.1	57.1	5:49 PM	676082.98	58.3	676082.98	58.3	676082.98	1023292.99
2:41:00	2:41:00	58.8	72.8	60.5	57.5	5:50 PM	758577.58	58.8	758577.58	58.8	758577.58	1122018.45
2:42:00	2:42:00	59.2	76.7	62.1	57.8	5:51 PM	831763.77	59.2	831763.77	59.2	831763.77	1621810.10
2:43:00	2:43:00	58.4	73.1	60.9	57.3	5:52 PM	691830.97	58.4	691830.97	58.4	691830.97	1230268.77
2:44:00	2:44:00	58.5	74.3	60.4	57.1	5:53 PM	707945.78	58.5	707945.78	58.5	707945.78	1096478.20
2:45:00	2:45:00	58.3	73.8	60	57	5:54 PM	676082.98	58.3	676082.98	58.3	676082.98	1000000.00
2:46:00	2:46:00	58.2	72.8	59.6	57.3	5:55 PM	660693.45	58.2	660693.45	58.2	660693.45	912010.84
2:47:00	2:47:00	58.5	73.3	60.2	57.2	5:56 PM	707945.78	58.5	707945.78	58.5	707945.78	1047128.55
2:48:00	2:48:00	58.7	73.6	60.6	57.1	5:57 PM	741310.24	58.7	741310.24	58.7	741310.24	1148153.62
2:49:00	2:49:00	59	73.1	60.6	57.9	5:58 PM	794328.23	59	794328.23	59.0	794328.23	1148153.62
2:50:00	2:50:00	58.7	71.8	60.1	57.7	5:59 PM	741310.24	58.7	741310.24	58.7	741310.24	1023292.99
2:51:00	2:51:00	59.1	75.6	61.5	57.8	6:00 PM	812830.52	59.1	812830.52	59.1	812830.52	1412537.54
2:52:00	2:52:00	59	73.2	60.6	57.9	6:01 PM	794328.23	59	794328.23	59.0	794328.23	1148153.62
2:53:00	2:53:00	59	74	60.1	58.1	6:02 PM	794328.23	59	794328.23	59.0	794328.23	1023292.99
2:54:00	2:54:00	58.7	73.1	59.7	57.6	6:03 PM	741310.24	58.7	741310.24	58.7	741310.24	933254.30
2:55:00	2:55:00	59	75.9	62.6	57.6	6:04 PM	794328.23	59	794328.23	59.0	794328.23	1819700.86
2:56:00	2:56:00	58.8	72.9	60.8	57.4	6:05 PM	758577.58	58.8	758577.58	58.8	758577.58	1202264.43
2:57:00	2:57:00	58.5	74.5	60	57.2	6:06 PM	707945.78	58.5	707945.78	58.5	707945.78	1000000.00
2:58:00	2:58:00	58.7	75	61.3	57.4	6:07 PM	741310.24	58.7	741310.24	58.7	741310.24	1348962.88
2:59:00	2:59:00	58.5	72.6	59.8	57.7	6:08 PM	707945.78	58.5	707945.78	58.5	707945.78	954992.59
3:00:00	3:00:00	58.3	73.6	60.1	57.1	6:09 PM	676082.98	58.3	676082.98	58.3	676082.98	1023292.99
3:01:00	3:01:00	58.5	73.2	60.4	57	6:10 PM	707945.78	58.5	707945.78	58.5	707945.78	1096478.20
3:02:00	3:02:00	58.7	72.8	60.7	57	6:11 PM	741310.24	58.7	741310.24	58.7	741310.24	1174897.55
3:03:00	3:03											

## Data

3:26:00	3:26:00	58.6	72.7	59.6	57.4	6:35 PM	724435.96	58.6	724435.96	58.6	724435.96	912010.84
3:27:00	3:27:00	59.3	75.9	62.2	57.8	6:36 PM	851138.04	59.3	851138.04	59.3	851138.04	1659586.91
3:28:00	3:28:00	58.8	73.6	60.4	57.7	6:37 PM	758577.58	58.8	758577.58	58.8	758577.58	1096478.20
3:29:00	3:29:00	58.3	71.9	59.6	57.4	6:38 PM	676082.98	58.3	676082.98	58.3	676082.98	912010.84
3:30:00	3:30:00	58.3	72.1	59.9	57	6:39 PM	676082.98	58.3	676082.98	58.3	676082.98	977237.22
3:31:00	3:31:00	58.4	73.4	59.9	56.9	6:40 PM	691830.97	58.4	691830.97	58.4	691830.97	977237.22
3:32:00	3:32:00	58.5	72	60.7	57.4	6:41 PM	707945.78	58.5	707945.78	58.5	707945.78	1174897.55
3:33:00	3:33:00	58.6	73.2	60.5	57.3	6:42 PM	724435.96	58.6	724435.96	58.6	724435.96	1122018.45
3:34:00	3:34:00	58.6	72.9	60.4	57.3	6:43 PM	724435.96	58.6	724435.96	58.6	724435.96	1096478.20
3:35:00	3:35:00	58.7	73.9	60.5	57.2	6:44 PM	741310.24	58.7	741310.24	58.7	741310.24	1122018.45
3:36:00	3:36:00	58.7	72.5	61.2	57.2	6:45 PM	741310.24	58.7	741310.24	58.7	741310.24	1318256.74
3:37:00	3:37:00	59	73.5	61.2	57.3	6:46 PM	794328.23	59	794328.23	59.0	794328.23	1318256.74
3:38:00	3:38:00	58.4	72.9	60.7	56.4	6:47 PM	691830.97	58.4	691830.97	58.4	691830.97	1174897.55
3:39:00	3:39:00	58.6	72.7	61.5	56.9	6:48 PM	724435.96	58.6	724435.96	58.6	724435.96	1412537.54
3:40:00	3:40:00	58.5	73.2	61.3	56.6	6:49 PM	707945.78	58.5	707945.78	58.5	707945.78	1348962.88
3:41:00	3:41:00	58.7	72.6	61.3	57.1	6:50 PM	741310.24	58.7	741310.24	58.7	741310.24	1348962.88
3:42:00	3:42:00	58.8	73.4	61.8	57.1	6:51 PM	758577.58	58.8	758577.58	58.8	758577.58	1513561.25
3:43:00	3:43:00	58.9	72.9	61.9	57.1	6:52 PM	776247.12	58.9	776247.12	58.9	776247.12	1548816.62
3:44:00	3:44:00	59.1	73	61.5	57.1	6:53 PM	812830.52	59.1	812830.52	59.1	812830.52	1412537.54
3:45:00	3:45:00	59.2	74.3	62	57.2	6:54 PM	831763.77	59.2	831763.77	59.2	831763.77	1584893.19
3:46:00	3:46:00	59.1	72.6	61.5	57.3	6:55 PM	812830.52	59.1	812830.52	59.1	812830.52	1412537.54
3:47:00	3:47:00	59.3	73.3	62.1	57.4	6:56 PM	851138.04	59.3	851138.04	59.3	851138.04	1621810.10
3:48:00	3:48:00	59.1	73.2	61.4	57.4	6:57 PM	812830.52	59.1	812830.52	59.1	812830.52	1380384.26
3:49:00	3:49:00	59.2	73.1	61.7	57.7	6:58 PM	831763.77	59.2	831763.77	59.2	831763.77	1479108.39
3:50:00	3:50:00	59	75.4	62	57.1	6:59 PM	794328.23	59	794328.23	59.0	794328.23	1584893.19
3:51:00	3:51:00	59.3	74.1	62	57.4	7:00 PM	851138.04	64.3	2691534.80	59.3	851138.04	1584893.19
3:52:00	3:52:00	59.1	75.5	62.4	57.2	7:01 PM	812830.52	64.1	2570395.78	59.1	812830.52	1737800.83
3:53:00	3:53:00	59.2	73.4	61.4	57.8	7:02 PM	831763.77	64.2	2630267.99	59.2	831763.77	1380384.26
3:54:00	3:54:00	59.3	74.9	62.2	57.5	7:03 PM	851138.04	64.3	2691534.80	59.3	851138.04	1659586.91
3:55:00	3:55:00	59.2	72.9	61.6	57.7	7:04 PM	831763.77	64.2	2630267.99	59.2	831763.77	1445439.77
3:56:00	3:56:00	59.3	72.7	61.9	57.7	7:05 PM	851138.04	64.3	2691534.80	59.3	851138.04	1548816.62
3:57:00	3:57:00	59.2	73.4	61.4	57.7	7:06 PM	831763.77	64.2	2630267.99	59.2	831763.77	1380384.26
3:58:00	3:58:00	59.6	74.3	62.7	57.5	7:07 PM	912010.84	64.6	2884031.50	59.6	912010.84	1862087.14
3:59:00	3:59:00	59.4	74.3	62	57.5	7:08 PM	870963.59	64.4	2754228.70	59.4	870963.59	1584893.19
4:00:00	4:00:00	59	77.1	61.7	57.3	7:09 PM	794328.23	64	2511886.43	59.0	794328.23	1479108.39
4:01:00	4:01:00	59.4	73.2	62	57.6	7:10 PM	870963.59	64.4	2754228.70	59.4	870963.59	1584893.19
4:02:00	4:02:00	60.1	73.9	62.5	58	7:11 PM	1023292.99	65.1	3235936.57	60.1	1023292.99	1778279.41
4:03:00	4:03:00	59.7	74.7	62.3	58.3	7:12 PM	933254.30	64.7	2951209.23	59.7	933254.30	1698243.65
4:04:00	4:04:00	59.3	73.5	61.7	57.8	7:13 PM	851138.04	64.3	2691534.80	59.3	851138.04	1479108.39
4:05:00	4:05:00	59.5	73.3	62.1	57.7	7:14 PM	891250.94	64.5	2818382.93	59.5	891250.94	1621810.10
4:06:00	4:06:00	59.5	73.3	62.3	58	7:15 PM	891250.94	64.5	2818382.93	59.5	891250.94	1698243.65
4:07:00	4:07:00	59.5	73.3	62.5	57.7	7:16 PM	891250.94	64.5	2818382.93	59.5	891250.94	1778279.41
4:08:00	4:08:00	59.5	73.5	61.9	57.6	7:17 PM	891250.94	64.5	2818382.93	59.5	891250.94	1548816.62
4:09:00	4:09:00	59.3	72.9	61.6	57.6	7:18 PM	851138.04	64.3	2691534.80	59.3	851138.04	1445439.77
4:10:00	4:10:00	59.3	73.4	61.9	57.8	7:19 PM	851138.04	64.3	2691534.80	59.3	851138.04	1548816.62
4:11:00	4:11:00	59.6	73.4	62.2	58.2	7:20 PM	912010.84	64.6	2884031.50	59.6	912010.84	1659586.91
4:12:00	4:12:00	59.6	73.8	62.4	57.8	7:21 PM	912010.84	64.6	2884031.50	59.6	912010.84	1737800.83
4:13:00	4:13:00	59.4	73.7	61.6	58.2	7:22 PM	870963.59	64.4	2754228.70	59.4	870963.59	1445439.77
4:14:00	4:14:00	59.6	73.6	61.9	58	7:23 PM	912010.84	64.6	2884031.50	59.6	912010.84	1548816.62
4:15:00	4:15:00	59.5	73.5	61.8	58	7:24 PM	891250.94	64.5	2818382.93	59.5	891250.94	1513561.25
4:16:00	4:16:00	59.7	73.6	62.1	58	7:25 PM	933254.30	64.7	2951209.23	59.7	933254.30	1621810.10
4:17:00	4:17:00	59.7	73.5	61.8	58.3	7:26 PM	933254.30	64.7	2951209.23	59.7	933254.30	1513561.25
4:18:00	4:18:00	60.2	75.2	62.7	58.5	7:27 PM	1047128.55	65.2	3311311.21	60.2	1047128.55	1862087.14
4:19:00	4:19:00	59.9	74.6	61.9	58.4	7:28 PM	977237.22	64.9	3090295.43	59.9	977237.22	1548816.62
4:20:00	4:20:00	59.4	73.1	61.4	58	7:29 PM	870963.59	64.4	2754228.70	59.4	870963.59	1380384.26
4:21:00	4:21:00	59.9	74	62.1	58.6	7:30 PM	977237.22	64.9	3090295.43	59.9	977237.22	1621810.10
4:22:00	4:22:00	59.4	72.9	61.1	58.1	7:31 PM	870963.59	64.4	2754228.70	59.4	870963.59	1288249.55
4:23:00	4:23:00	59.8	73.6	62	58.4	7:32 PM	954992.59	64.8	3019951.72	59.8	954992.59	1584893.19
4:24:00	4:24:00	60	73.2	62.5	58.6	7:33 PM	1000000.00	65	3162277.66	60.0	1000000.00	1778279.41
4:25:00	4:25:00	59.5	73	61.3	58.1	7:34 PM	891250.94	64.5	2818382.93	59.5	891250.94	1348962.88
4:26:00	4:26:00	59.5	73.4	61.4	58.2	7:35 PM	891250.94	64.5	2818382.93	59.5	891250.94	1380384.26
4:27:00	4:27:00	59.5	73.8	61.8	57.9	7:36 PM	891250.94	64.5	2818382.93	59.5	891250.94	1513561.25
4:28:00	4:28:00	59.5	74.8	61.8	58.2	7:37 PM	891250.94	64.5	2818382.93	59.5	891250.94	1513561.25
4:29:00	4:29:00	59.6	73.3	62	58.4	7:38 PM	912010.84	64.6	2884031.50	59.6	912010.84	1584893.19
4:30:00	4:30:00	59.5	72.7	61.1	58.2	7:39 PM	891250.94	64.5	2818382.93	59.5	891250.94	1288249.55
4:31:00	4:31:00	59.4	73.1	61.1	58.3	7:40 PM	870963.59	64.4	2754228.70	59.4	870963.59	1288249.55
4:32:00	4:32:00	59.3	72.9	61.3	58.1	7:41 PM	851138.04	64.3	2691534.80	59.3	851138.04	1348962.88
4:33:00	4:33:00	59.4	74.8	61.2	58.2	7:42 PM	870963.59	64.4	2754228.70	59.4	870963.59	1318256.74
4:34:00	4:34:00	59.1	73.9	61	57.6	7:43 PM	812830.52	64.1	2570395.78	59.1	812830.52	1258925.41
4:35:00	4:35:00	59.3	73.5	60.9	58.2	7:44 PM	851138.04	64.3	2691534.80	59.3	851138.04	1230268.77
4:36:00	4:36:00	59.4	74.3	60.8	58	7:45 PM	870963.59	64.4	2754228.70	59.4	870963.59	1202264.43
4:37:00	4:37:00	59.4	74.2	61.3	58.3	7:46 PM	870963.59	64.4	2754228.70	59.4	870963.59	1348962.88
4:38:00	4:38:00	59.2	73.4	61.4	57.8	7:47 PM	831763.77	64.2	2630267.99	59.2	831763.77	1380384.26
4:39:00	4:39:00	59.5	73.5	61.2	58.3	7:48 PM	891250.94	64.5	2818382.93	59.5	891250.94	1318256.74
4:40:00	4:40:00	59.4	78	60.9	58.1	7:49 PM	870963.59	64.4	2754228.70	59.4	870963.59	1230268.77
4:41:00	4:41:00	59.3	72.4	60.8	58.1	7:50 PM	851138.04	64.3	2691534.80	59.3	851138.04	1202264.43
4:42:00	4:42:00	59.3	73.3	61	58	7:51 PM	851138.04	64.3	2691534.80	59.3	851138.04	1258925.41
4:43:00	4:43:00	59.4	73.4	61.1	58.3	7:52 PM	870963.59	64.4	2754228.70	59.4	870963.59	1288249.55
4:44:00	4:44:00	59.6	75.1	62.6	58.1	7:53 PM	912010.84	64.6	2884031.50	59.6	912010.84	1819700.86
4:45:00	4:45:00	59.5	73.2	61.3	58.4	7:54 PM	891250.94	64.5	2818382.93	59.5	891250.94	1348962.88
4:46:00	4:46:00	59.5	73.8	61	58.3	7:55 PM	891250.94	64.5	2818382.93	59.5	891250.94	1258925.41
4:47:00	4:47:00	59.5	74	61.1	58.6							

Data

5:11:00	5:11:00	59.3	73.5	61.2	58.5	8:20 PM	851138.04	64.3	2691534.80	59.3	851138.04	1318256.74
5:12:00	5:12:00	59.7	73.8	61.5	58.5	8:21 PM	933254.30	64.7	2951209.23	59.7	933254.30	1412537.54
5:13:00	5:13:00	59.6	76.2	60.7	58.4	8:22 PM	912010.84	64.6	2884031.50	59.6	912010.84	1174897.55
5:14:00	5:14:00	59.4	73.8	60.5	58.4	8:23 PM	870963.59	64.4	2754228.70	59.4	870963.59	1122018.45
5:15:00	5:15:00	59.4	74.6	60.6	58.5	8:24 PM	870963.59	64.4	2754228.70	59.4	870963.59	1148153.62
5:16:00	5:16:00	59.8	73.8	61.1	59	8:25 PM	954992.59	64.8	3019951.72	59.8	954992.59	1288249.55
5:17:00	5:17:00	59.8	75.9	62.6	58.6	8:26 PM	954992.59	64.8	3019951.72	59.8	954992.59	1819700.86
5:18:00	5:18:00	59.6	74.7	61.1	58.5	8:27 PM	912010.84	64.6	2884031.50	59.6	912010.84	1288249.55
5:19:00	5:19:00	59.4	73.5	61.1	58.2	8:28 PM	870963.59	64.4	2754228.70	59.4	870963.59	1288249.55
5:20:00	5:20:00	59.4	74	60.7	58.3	8:29 PM	870963.59	64.4	2754228.70	59.4	870963.59	1174897.55
5:21:00	5:21:00	59.5	74.3	60.9	58.6	8:30 PM	891250.94	64.5	2818382.93	59.5	891250.94	1230268.77
5:22:00	5:22:00	59.6	73.5	61.5	58.6	8:31 PM	912010.84	64.6	2884031.50	59.6	912010.84	1412537.54
5:23:00	5:23:00	60.5	78.1	65.4	58.6	8:32 PM	1122018.45	65.5	3548133.89	60.5	1122018.45	3467368.50
5:24:00	5:24:00	61	81.1	68.5	58.4	8:33 PM	1258925.41	66	3981071.71	61.0	1258925.41	7079457.84
5:25:00	5:25:00	59.3	72.6	60.7	58.1	8:34 PM	851138.04	64.3	2691534.80	59.3	851138.04	1174897.55
5:26:00	5:26:00	59.6	73.2	61.1	58.2	8:35 PM	912010.84	64.6	2884031.50	59.6	912010.84	1288249.55
5:27:00	5:27:00	59.6	74.3	61.4	58.4	8:36 PM	912010.84	64.6	2884031.50	59.6	912010.84	1380384.26
5:28:00	5:28:00	59.5	73.3	61.1	58.2	8:37 PM	891250.94	64.5	2818382.93	59.5	891250.94	1288249.55
5:29:00	5:29:00	59.5	75.5	61.8	58.6	8:38 PM	891250.94	64.5	2818382.93	59.5	891250.94	1513561.25
5:30:00	5:30:00	59.8	74	61.7	58.5	8:39 PM	954992.59	64.8	3019951.72	59.8	954992.59	1479108.39
5:31:00	5:31:00	59.7	82.7	66.6	58.6	8:40 PM	933254.30	64.7	2951209.23	59.7	933254.30	4570881.90
5:32:00	5:32:00	59.5	73.4	64.4	58.4	8:41 PM	891250.94	64.5	2818382.93	59.5	891250.94	2754228.70
5:33:00	5:33:00	59.4	73.6	60.8	58.5	8:42 PM	870963.59	64.4	2754228.70	59.4	870963.59	1202264.43
5:34:00	5:34:00	59.5	73.3	60.6	58.8	8:43 PM	891250.94	64.5	2818382.93	59.5	891250.94	1148153.62
5:35:00	5:35:00	59.4	73.2	60.3	58.5	8:44 PM	870963.59	64.4	2754228.70	59.4	870963.59	1071519.31
5:36:00	5:36:00	59.6	76.4	60.9	58.5	8:45 PM	912010.84	64.6	2884031.50	59.6	912010.84	1230268.77
5:37:00	5:37:00	59.5	73.1	60.6	58.7	8:46 PM	891250.94	64.5	2818382.93	59.5	891250.94	1148153.62
5:38:00	5:38:00	59.8	73.5	61.5	58.7	8:47 PM	954992.59	64.8	3019951.72	59.8	954992.59	1412537.54
5:39:00	5:39:00	59.6	73.6	61	58.7	8:48 PM	912010.84	64.6	2884031.50	59.6	912010.84	1258925.41
5:40:00	5:40:00	59.7	73.2	61.5	58.4	8:49 PM	933254.30	64.7	2951209.23	59.7	933254.30	1412537.54
5:41:00	5:41:00	59.4	74	60.7	58.4	8:50 PM	870963.59	64.4	2754228.70	59.4	870963.59	1174897.55
5:42:00	5:42:00	59.5	73	60.5	58.8	8:51 PM	891250.94	64.5	2818382.93	59.5	891250.94	1122018.45
5:43:00	5:43:00	59.7	73.3	61	58.6	8:52 PM	933254.30	64.7	2951209.23	59.7	933254.30	1258925.41
5:44:00	5:44:00	59.7	74.2	61	58.8	8:53 PM	933254.30	64.7	2951209.23	59.7	933254.30	1258925.41
5:45:00	5:45:00	59.5	73.5	60.7	58.4	8:54 PM	891250.94	64.5	2818382.93	59.5	891250.94	1174897.55
5:46:00	5:46:00	59.4	73.4	60.6	58.6	8:55 PM	870963.59	64.4	2754228.70	59.4	870963.59	1148153.62
5:47:00	5:47:00	59.5	74.8	60.8	58.4	8:56 PM	891250.94	64.5	2818382.93	59.5	891250.94	1202264.43
5:48:00	5:48:00	59.6	74.1	61.2	58.7	8:57 PM	912010.84	64.6	2884031.50	59.6	912010.84	1318256.74
5:49:00	5:49:00	59.7	72.9	60.8	59	8:58 PM	933254.30	64.7	2951209.23	59.7	933254.30	1202264.43
5:50:00	5:50:00	59.7	73.8	61.3	58.8	8:59 PM	933254.30	64.7	2951209.23	59.7	933254.30	1348962.88
5:51:00	5:51:00	59.4	73.8	60.4	58.5	9:00 PM	870963.59	64.4	2754228.70	59.4	870963.59	1096478.20
5:52:00	5:52:00	59.7	74.5	62	58.6	9:01 PM	933254.30	64.7	2951209.23	59.7	933254.30	1584893.19
5:53:00	5:53:00	60.1	75.3	62.1	58.9	9:02 PM	1023292.99	65.1	3235936.57	60.1	1023292.99	1621810.10
5:54:00	5:54:00	60	74.1	61.4	58.9	9:03 PM	1000000.00	65	3162277.66	60.0	1000000.00	1380384.26
5:55:00	5:55:00	59.6	74.2	60.7	58.3	9:04 PM	912010.84	64.6	2884031.50	59.6	912010.84	1174897.55
5:56:00	5:56:00	59.7	76.5	62.4	58.6	9:05 PM	933254.30	64.7	2951209.23	59.7	933254.30	1737800.83
5:57:00	5:57:00	59.5	74	60.5	58.8	9:06 PM	891250.94	64.5	2818382.93	59.5	891250.94	1122018.45
5:58:00	5:58:00	59.6	74.3	60.8	58.6	9:07 PM	912010.84	64.6	2884031.50	59.6	912010.84	1202264.43
5:59:00	5:59:00	59.8	73.2	61	59	9:08 PM	954992.59	64.8	3019951.72	59.8	954992.59	1258925.41
6:00:00	6:00:00	59.8	75.2	62.8	58.2	9:09 PM	954992.59	64.8	3019951.72	59.8	954992.59	1905460.72
6:01:00	6:01:00	59.3	73.8	60.6	58.3	9:10 PM	851138.04	64.3	2691534.80	59.3	851138.04	1148153.62
6:02:00	6:02:00	59.6	73.8	61.1	58.6	9:11 PM	912010.84	64.6	2884031.50	59.6	912010.84	1288249.55
6:03:00	6:03:00	59.3	73.3	60.7	58.4	9:12 PM	851138.04	64.3	2691534.80	59.3	851138.04	1174897.55
6:04:00	6:04:00	59.5	73.4	60.6	58.3	9:13 PM	891250.94	64.5	2818382.93	59.5	891250.94	1148153.62
6:05:00	6:05:00	59.8	74.3	61.3	58.9	9:14 PM	954992.59	64.8	3019951.72	59.8	954992.59	1348962.88
6:06:00	6:06:00	59.5	73.6	60.7	58.4	9:15 PM	891250.94	64.5	2818382.93	59.5	891250.94	1174897.55
6:07:00	6:07:00	59.8	73.4	60.8	58.9	9:16 PM	954992.59	64.8	3019951.72	59.8	954992.59	1202264.43
6:08:00	6:08:00	60.1	75.6	63	58.7	9:17 PM	1023292.99	65.1	3235936.57	60.1	1023292.99	1995262.31
6:09:00	6:09:00	59.4	73.3	60.1	58.7	9:18 PM	870963.59	64.4	2754228.70	59.4	870963.59	1023292.99
6:10:00	6:10:00	59.5	73.3	60.8	58.7	9:19 PM	891250.94	64.5	2818382.93	59.5	891250.94	1202264.43
6:11:00	6:11:00	59.5	73.2	60.6	58.8	9:20 PM	891250.94	64.5	2818382.93	59.5	891250.94	1148153.62
6:12:00	6:12:00	59.8	74.2	60.8	59	9:21 PM	954992.59	64.8	3019951.72	59.8	954992.59	1202264.43
6:13:00	6:13:00	59.7	73.8	60.8	58.9	9:22 PM	933254.30	64.7	2951209.23	59.7	933254.30	1202264.43
6:14:00	6:14:00	59.9	73.5	61.1	58.7	9:23 PM	977237.22	64.9	3090295.43	59.9	977237.22	1288249.55
6:15:00	6:15:00	59.8	74.2	60.8	59.1	9:24 PM	954992.59	64.8	3019951.72	59.8	954992.59	1202264.43
6:16:00	6:16:00	59.6	73.6	60.4	59	9:25 PM	912010.84	64.6	2884031.50	59.6	912010.84	1096478.20
6:17:00	6:17:00	59.8	73	60.7	59	9:26 PM	954992.59	64.8	3019951.72	59.8	954992.59	1174897.55
6:18:00	6:18:00	60.2	75	62.8	58.9	9:27 PM	1047128.55	65.2	3311311.21	60.2	1047128.55	1905460.72
6:19:00	6:19:00	59.8	75.8	61.7	58.5	9:28 PM	954992.59	64.8	3019951.72	59.8	954992.59	1479108.39
6:20:00	6:20:00	59.3	73.2	60.4	58.6	9:29 PM	851138.04	64.3	2691534.80	59.3	851138.04	1096478.20
6:21:00	6:21:00	59.3	73.3	60.3	58.6	9:30 PM	851138.04	64.3	2691534.80	59.3	851138.04	1071519.31
6:22:00	6:22:00	59.7	73.5	60.8	58.5	9:31 PM	933254.30	64.7	2951209.23	59.7	933254.30	1202264.43
6:23:00	6:23:00	59.6	73.5	61.1	58.7	9:32 PM	912010.84	64.6	2884031.50	59.6	912010.84	1288249.55
6:24:00	6:24:00	59.6	72.7	60.8	58.8	9:33 PM	912010.84	64.6	2884031.50	59.6	912010.84	1202264.43
6:25:00	6:25:00	59.4	73.5	60.6	58.5	9:34 PM	870963.59	64.4	2754228.70	59.4	870963.59	1148153.62
6:26:00	6:26:00	59.6	73.6	60.7	58.5	9:35 PM	912010.84	64.6	2884031.50	59.6	912010.84	1174897.55
6:27:00	6:27:00	59.4	72.5	60.6	58.5	9:36 PM	870963.59	64.4	2754228.70	59.4	870963.59	1148153.62
6:28:00	6:28:00	59.7	73.2	60.8	58.8	9:37 PM	933254.30	64.7	2951209.23	59.7	933254.30	1202264.43
6:29:00	6:29:00	59.6	74.1	60.5	58.9	9:38 PM	912010.84	64.6	2884031.50	59.6	912010.84	1122018.45
6:30:00	6:30:00	59.4	73.9	60.4	58.5	9:39 PM	870963.59	64.4	2754228.70	59.4	870963.59	1096478.20
6:31:00	6:31:00	59.2	73.7	60.4	58.3	9:40 PM	831763.77	64.2	2630267.99	59.2	831763.77	1096478.20
6:												

Data

6:56:00	6:56:00	59	72.4	59.8	58.4	10:05 PM	794328.23	69	7943282.35	69.0	7943282.35	954992.59
6:57:00	6:57:00	59.1	72.4	60	58.3	10:06 PM	812830.52	69.1	8128305.16	69.0	8128305.16	1000000.00
6:58:00	6:58:00	59.4	74.6	62.1	58.5	10:07 PM	870963.59	69.4	8709635.90	69.4	8709635.90	1621810.10
6:59:00	6:59:00	59.1	72.9	60	58.4	10:08 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1000000.00
7:00:00	7:00:00	59.2	72.6	60.2	58.4	10:09 PM	831763.77	69.2	8317637.71	69.2	8317637.71	1047128.55
7:01:00	7:01:00	59.2	73.1	60.3	58.3	10:10 PM	831763.77	69.2	8317637.71	69.2	8317637.71	1071519.31
7:02:00	7:02:00	59.1	86.5	62.5	58	10:11 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1778279.41
7:03:00	7:03:00	59.1	73.6	60.4	58.2	10:12 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1096478.20
7:04:00	7:04:00	58.9	73.1	60.1	58.3	10:13 PM	776247.12	68.9	7762471.17	68.9	7762471.17	1023292.99
7:05:00	7:05:00	59.1	73.2	60.2	58.3	10:14 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1047128.55
7:06:00	7:06:00	59	73.8	60.3	58.2	10:15 PM	794328.23	69	7943282.35	69.0	7943282.35	1071519.31
7:07:00	7:07:00	58.7	72.4	59.9	57.9	10:16 PM	741310.24	68.7	7413102.41	68.7	7413102.41	977237.22
7:08:00	7:08:00	59.1	76.1	61.6	58.4	10:17 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1445439.77
7:09:00	7:09:00	59	72.8	59.9	58.5	10:18 PM	794328.23	69	7943282.35	69.0	7943282.35	977237.22
7:10:00	7:10:00	59	73.1	60.5	58.2	10:19 PM	794328.23	69	7943282.35	69.0	7943282.35	1122018.45
7:11:00	7:11:00	59.3	74.4	60.4	58.5	10:20 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1096478.20
7:12:00	7:12:00	59.3	75.2	60.2	58.6	10:21 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1047128.55
7:13:00	7:13:00	59.4	72.7	60.5	58.4	10:22 PM	870963.59	69.4	8709635.90	69.4	8709635.90	1122018.45
7:14:00	7:14:00	59.3	73.4	60.5	58.7	10:23 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1122018.45
7:15:00	7:15:00	59.3	73.4	60.4	58.6	10:24 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1096478.20
7:16:00	7:16:00	59.3	73.6	60.3	58.6	10:25 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1071519.31
7:17:00	7:17:00	59.3	73.5	60.3	58.6	10:26 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1071519.31
7:18:00	7:18:00	59.5	73.4	60.8	58.6	10:27 PM	891250.94	69.5	8912509.38	69.5	8912509.38	1202264.43
7:19:00	7:19:00	59.3	73.2	60	58.6	10:28 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1000000.00
7:20:00	7:20:00	59.3	73.2	60.3	58.7	10:29 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1071519.31
7:21:00	7:21:00	59	72.8	60.2	58.3	10:30 PM	794328.23	69	7943282.35	69.0	7943282.35	1047128.55
7:22:00	7:22:00	58.9	72.9	59.9	58.1	10:31 PM	776247.12	68.9	7762471.17	68.9	7762471.17	977237.22
7:23:00	7:23:00	59	72.6	60.3	58.4	10:32 PM	794328.23	69	7943282.35	69.0	7943282.35	1071519.31
7:24:00	7:24:00	59	72.7	60.1	58.5	10:33 PM	794328.23	69	7943282.35	69.0	7943282.35	1023292.99
7:25:00	7:25:00	59.1	72.9	60.1	58.4	10:34 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1023292.99
7:26:00	7:26:00	59.1	74	60.4	58.3	10:35 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1096478.20
7:27:00	7:27:00	59	73.2	60.4	58.3	10:36 PM	794328.23	69	7943282.35	69.0	7943282.35	1096478.20
7:28:00	7:28:00	59.1	73.2	60	58.4	10:37 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1000000.00
7:29:00	7:29:00	59	72.6	60.2	58.3	10:38 PM	794328.23	69	7943282.35	69.0	7943282.35	1047128.55
7:30:00	7:30:00	59	72.5	60.4	58.5	10:39 PM	794328.23	69	7943282.35	69.0	7943282.35	1096478.20
7:31:00	7:31:00	59.2	72.7	60.1	58.2	10:40 PM	831763.77	69.2	8317637.71	69.2	8317637.71	1023292.99
7:32:00	7:32:00	59.1	74	60.4	58.4	10:41 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1096478.20
7:33:00	7:33:00	59	72.5	60.1	58.5	10:42 PM	794328.23	69	7943282.35	69.0	7943282.35	1023292.99
7:34:00	7:34:00	59	72.7	59.7	58.5	10:43 PM	794328.23	69	7943282.35	69.0	7943282.35	933254.30
7:35:00	7:35:00	58.9	72.2	60.2	58.2	10:44 PM	776247.12	68.9	7762471.17	68.9	7762471.17	1047128.55
7:36:00	7:36:00	59.1	72.6	60	58.5	10:45 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1000000.00
7:37:00	7:37:00	59.2	73.6	60.4	58.5	10:46 PM	831763.77	69.2	8317637.71	69.2	8317637.71	1096478.20
7:38:00	7:38:00	59.2	72.6	60.2	58.6	10:47 PM	831763.77	69.2	8317637.71	69.2	8317637.71	1047128.55
7:39:00	7:39:00	59.1	73.9	60	58.5	10:48 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1000000.00
7:40:00	7:40:00	59.2	72.9	60.1	58.5	10:49 PM	831763.77	69.2	8317637.71	69.2	8317637.71	1023292.99
7:41:00	7:41:00	59.1	74.2	60.7	58.3	10:50 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1174897.55
7:42:00	7:42:00	59	73.4	60.4	58.2	10:51 PM	794328.23	69	7943282.35	69.0	7943282.35	1096478.20
7:43:00	7:43:00	59.1	73.9	60.3	58.2	10:52 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1071519.31
7:44:00	7:44:00	59.1	72.2	60	58.4	10:53 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1000000.00
7:45:00	7:45:00	59.3	73.2	61.1	58.4	10:54 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1288249.55
7:46:00	7:46:00	59	75.1	59.9	58.2	10:55 PM	794328.23	69	7943282.35	69.0	7943282.35	977237.22
7:47:00	7:47:00	58.9	72.5	60	57.9	10:56 PM	776247.12	68.9	7762471.17	68.9	7762471.17	1000000.00
7:48:00	7:48:00	58.7	74.1	59.8	58.1	10:57 PM	741310.24	68.7	7413102.41	68.7	7413102.41	954992.59
7:49:00	7:49:00	58.9	73.3	61.3	58.1	10:58 PM	776247.12	68.9	7762471.17	68.9	7762471.17	1348962.88
7:50:00	7:50:00	58.8	72.4	59.7	58.2	10:59 PM	758577.58	68.8	7585775.75	68.8	7585775.75	933254.30
7:51:00	7:51:00	58.9	73.2	59.9	57.9	11:00 PM	776247.12	68.9	7762471.17	68.9	7762471.17	977237.22
7:52:00	7:52:00	58.8	73.2	59.7	58.2	11:01 PM	758577.58	68.8	7585775.75	68.8	7585775.75	933254.30
7:53:00	7:53:00	58.9	74.4	59.9	58.2	11:02 PM	776247.12	68.9	7762471.17	68.9	7762471.17	977237.22
7:54:00	7:54:00	58.9	72.8	59.6	58.2	11:03 PM	776247.12	68.9	7762471.17	68.9	7762471.17	912010.84
7:55:00	7:55:00	58.8	72.3	59.9	58	11:04 PM	758577.58	68.8	7585775.75	68.8	7585775.75	977237.22
7:56:00	7:56:00	58.8	73.5	60.4	58.1	11:05 PM	758577.58	68.8	7585775.75	68.8	7585775.75	1096478.20
7:57:00	7:57:00	58.8	72.2	60.3	58.2	11:06 PM	758577.58	68.8	7585775.75	68.8	7585775.75	1071519.31
7:58:00	7:58:00	58.9	72.8	60.2	58	11:07 PM	776247.12	68.9	7762471.17	68.9	7762471.17	1047128.55
7:59:00	7:59:00	58.6	72	59.6	57.8	11:08 PM	724435.96	68.6	7244359.60	68.6	7244359.60	912010.84
8:00:00	8:00:00	58.6	72.6	59.9	57.4	11:09 PM	724435.96	68.6	7244359.60	68.6	7244359.60	977237.22
8:01:00	8:01:00	58.8	76.3	59.9	57.6	11:10 PM	758577.58	68.8	7585775.75	68.8	7585775.75	977237.22
8:02:00	8:02:00	58.7	72.8	59.9	58.1	11:11 PM	741310.24	68.7	7413102.41	68.7	7413102.41	977237.22
8:03:00	8:03:00	58.8	73.8	59.7	58.1	11:12 PM	758577.58	68.8	7585775.75	68.8	7585775.75	933254.30
8:04:00	8:04:00	58.8	72.8	60.1	58	11:13 PM	758577.58	68.8	7585775.75	68.8	7585775.75	1023292.99
8:05:00	8:05:00	58.6	72.6	59.8	57.9	11:14 PM	724435.96	68.6	7244359.60	68.6	7244359.60	954992.59
8:06:00	8:06:00	58.6	73.1	60.5	58	11:15 PM	758577.58	68.8	7585775.75	68.8	7585775.75	1122018.45
8:07:00	8:07:00	58.8	72.9	60.1	58	11:16 PM	758577.58	68.8	7585775.75	68.8	7585775.75	1023292.99
8:08:00	8:08:00	58.8	72.1	60	57.9	11:17 PM	758577.58	68.8	7585775.75	68.8	7585775.75	1000000.00
8:09:00	8:09:00	58.7	72.3	59.9	57.7	11:18 PM	741310.24	68.7	7413102.41	68.7	7413102.41	977237.22
8:10:00	8:10:00	58.5	72.3	59.4	57.7	11:19 PM	707945.78	68.5	7079457.84	68.5	7079457.84	870963.59
8:11:00	8:11:00	58.6	73.4	60.4	57.9	11:20 PM	724435.96	68.6	7244359.60	68.6	7244359.60	1096478.20
8:12:00	8:12:00	58.7	72.5	60.1	57.8	11:21 PM	741310.24	68.7	7413102.41	68.7	7413102.41	1023292.99
8:13:00	8:13:00	58.8	72.9	60.2	58	11:22 PM	758577.58	68.8	7585775.75	68.8	7585775.75	1047128.55
8:14:00	8:14:00	58.8	72.6	60	58	11:23 PM	758577.58	68.8	7585775.75	68.8	7585775.75	1000000.00
8:15:00	8:15:00	58.5	72.1	59.6	57.7	11:24 PM	707945.78	68.5	7079457.84	68.5	7079457.84	912010.84
8:16:00	8:16:00	58.8	72.8	60.1	58	11:25 PM	758577.58</					

Data

8:41:00	8:41:00	59.1	73.6	60.3	58.3	11:50 PM	812830.52	69.1	8128305.16	69.1	8128305.16	1071519.31
8:42:00	8:42:00	59.3	73	60.3	58.4	11:51 PM	851138.04	69.3	8511380.38	69.3	8511380.38	1071519.31
8:43:00	8:43:00	59.4	73.1	60.7	58.5	11:52 PM	870963.59	69.4	8709635.90	69.4	8709635.90	1174897.55
8:44:00	8:44:00	59.4	73.2	60.4	58.5	11:53 PM	870963.59	69.4	8709635.90	69.4	8709635.90	1096478.20
8:45:00	8:45:00	59.4	73.7	60.5	58.4	11:54 PM	870963.59	69.4	8709635.90	69.4	8709635.90	1122018.45
8:46:00	8:46:00	59.2	74	60.7	58.4	11:55 PM	831763.77	69.2	8317637.71	69.2	8317637.71	1174897.55
8:47:00	8:47:00	59.2	72.6	60.2	58.3	11:56 PM	831763.77	69.2	8317637.71	69.2	8317637.71	1047128.55
8:48:00	8:48:00	59.4	72.9	60.3	58.7	11:57 PM	870963.59	69.4	8709635.90	69.4	8709635.90	1071519.31
8:49:00	8:49:00	59.5	73.4	60.6	58.4	11:58 PM	891250.94	69.5	8912509.38	69.5	8912509.38	1148153.62
8:50:00	8:50:00	59.4	73.1	60.5	58.7	11:59 PM	870963.59	69.4	8709635.90	69.4	8709635.90	1122018.45
8:51:00	8:51:00	59.5	72.5	60.5	58.6	12:00 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1122018.45
8:52:00	8:52:00	59.5	74	60.7	58.7	12:01 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1174897.55
8:53:00	8:53:00	59.4	72.8	60.5	58.3	12:02 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1122018.45
8:54:00	8:54:00	59.5	73.2	60.7	58.7	12:03 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1174897.55
8:55:00	8:55:00	59.4	73.3	60.7	58.4	12:04 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1174897.55
8:56:00	8:56:00	59.2	73	60.4	58.3	12:05 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1096478.20
8:57:00	8:57:00	59.2	72.8	60.2	58.4	12:06 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1047128.55
8:58:00	8:58:00	59.3	74.1	60.7	58.3	12:07 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1174897.55
8:59:00	8:59:00	59.3	73.4	60.4	58.2	12:08 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1096478.20
9:00:00	9:00:00	59.2	72.4	60.6	58.3	12:09 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1148153.62
9:01:00	9:01:00	59.3	72.7	60.4	58.2	12:10 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1096478.20
9:02:00	9:02:00	59.4	74.8	61.5	58.2	12:11 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1412537.54
9:03:00	9:03:00	59.8	73.9	60.7	58.9	12:12 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1174897.55
9:04:00	9:04:00	59.5	72.6	60.7	58.5	12:13 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1174897.55
9:05:00	9:05:00	59.5	73.4	61	58.6	12:14 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
9:06:00	9:06:00	59.5	74.6	60.8	58.5	12:15 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1202264.43
9:07:00	9:07:00	59.6	73.5	60.7	58.5	12:16 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1174897.55
9:08:00	9:08:00	59.6	73.5	61	58.6	12:17 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1258925.41
9:09:00	9:09:00	59.7	74.3	61.1	58.6	12:18 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1288249.55
9:10:00	9:10:00	59.7	73.7	60.8	58.7	12:19 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1202264.43
9:11:00	9:11:00	59.6	74	61.3	58.6	12:20 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
9:12:00	9:12:00	59.4	73.6	60.6	58.3	12:21 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1148153.62
9:13:00	9:13:00	59.4	73.6	60.8	58.3	12:22 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1202264.43
9:14:00	9:14:00	59.3	72.7	60.9	58.2	12:23 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1230268.77
9:15:00	9:15:00	59.3	72.9	60.9	58.3	12:24 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1230268.77
9:16:00	9:16:00	59.5	73.4	61.2	58.2	12:25 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1318256.74
9:17:00	9:17:00	59.7	74	61.6	58.6	12:26 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1445439.77
9:18:00	9:18:00	59.6	72.9	61.1	58.6	12:27 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1288249.55
9:19:00	9:19:00	59.7	73.9	61.4	58.7	12:28 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1380384.26
9:20:00	9:20:00	59.5	72.8	60.9	58.2	12:29 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1230268.77
9:21:00	9:21:00	59.6	73.3	61.1	58.6	12:30 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1288249.55
9:22:00	9:22:00	59.3	73.9	61	58.2	12:31 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1258925.41
9:23:00	9:23:00	59.3	74.4	61.4	58.1	12:32 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1380384.26
9:24:00	9:24:00	59.4	73.4	61.2	58.2	12:33 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1318256.74
9:25:00	9:25:00	59.4	73.2	61.1	58.4	12:34 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1288249.55
9:26:00	9:26:00	59.4	73.1	60.9	58.3	12:35 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1230268.77
9:27:00	9:27:00	59.4	73.5	60.7	58.3	12:36 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1174897.55
9:28:00	9:28:00	59.5	73.3	61	58.3	12:37 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
9:29:00	9:29:00	59.6	72.8	61	58.7	12:38 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1258925.41
9:30:00	9:30:00	59.7	73.2	61.3	58.6	12:39 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1348962.88
9:31:00	9:31:00	59.7	74.2	61.5	58.7	12:40 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1412537.54
9:32:00	9:32:00	59.9	74	61.6	58.6	12:41 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1445439.77
9:33:00	9:33:00	59.8	75.2	61.4	58.7	12:42 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1380384.26
9:34:00	9:34:00	58	74.7	60.3	55.7	12:43 AM	630957.34	68	6309573.44	68.0	6309573.44	1071519.31
9:35:00	9:35:00	57.1	72.2	59.1	55.4	12:44 AM	512861.38	67.1	5128613.84	67.1	5128613.84	812830.52
9:36:00	9:36:00	57.4	71.9	58.9	56	12:45 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	776247.12
9:37:00	9:37:00	59.1	86.3	63.7	56	12:46 AM	812830.52	69.1	8128305.16	69.1	8128305.16	2344228.82
9:38:00	9:38:00	60.3	77.3	61.6	59	12:47 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1445439.77
9:39:00	9:39:00	60.1	74.1	61.8	59	12:48 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1513561.25
9:40:00	9:40:00	60.2	73.8	61.9	58.8	12:49 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1548816.62
9:41:00	9:41:00	60	73.4	61.8	58.7	12:50 AM	1000000.00	70	10000000.00	70.0	10000000.00	1513561.25
9:42:00	9:42:00	59.9	73.7	61.7	58.7	12:51 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1479108.39
9:43:00	9:43:00	59.7	73.1	61.2	58.6	12:52 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1318256.74
9:44:00	9:44:00	59.9	73.8	61.8	58.6	12:53 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1513561.25
9:45:00	9:45:00	60	73.7	61.7	59	12:54 AM	1000000.00	70	10000000.00	70.0	10000000.00	1479108.39
9:46:00	9:46:00	60.1	73.7	62	58.7	12:55 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1584893.19
9:47:00	9:47:00	60	73.4	61.7	58.6	12:56 AM	1000000.00	70	10000000.00	70.0	10000000.00	1479108.39
9:48:00	9:48:00	60	74.1	61.7	58.7	12:57 AM	1000000.00	70	10000000.00	70.0	10000000.00	1479108.39
9:49:00	9:49:00	59.8	73.2	61.7	58.8	12:58 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1479108.39
9:50:00	9:50:00	60	74	61.6	58.6	12:59 AM	1000000.00	70	10000000.00	70.0	10000000.00	1445439.77
9:51:00	9:51:00	60.1	74.2	62	58.8	1:00 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1584893.19
9:52:00	9:52:00	59.9	74.2	61.6	58.6	1:01 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1445439.77
9:53:00	9:53:00	59.9	73.4	61.5	58.9	1:02 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1412537.54
9:54:00	9:54:00	60	73.4	61.8	59	1:03 AM	1000000.00	70	10000000.00	70.0	10000000.00	1513561.25
9:55:00	9:55:00	60.2	73.6	61.8	58.8	1:04 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1513561.25
9:56:00	9:56:00	60.3	73.8	61.9	58.8	1:05 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1548816.62
9:57:00	9:57:00	59.9	73	61.7	58.6	1:06 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1479108.39
9:58:00	9:58:00	59.9	73.8	61.8	58.6	1:07 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1513561.25
9:59:00	9:59:00	59.8	73.4	61.4	58.7	1:08 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1380384.26
10:00:00	10:00:00	59.9	75.1	61.6	58.7	1:09 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1445439.77
1												

		Data										
10:26:00	10:26:00	60.4	73.9	61.8	59.1	1:35 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1513561.25
10:27:00	10:27:00	60	73.5	61.7	58.8	1:36 AM	1000000.00	70	10000000.00	70.0	10000000.00	1479108.39
10:28:00	10:28:00	60.4	74	62.1	59.1	1:37 AM	1096478.20	70.4	10964781.96	70.4	10964781.96	1621810.10
10:29:00	10:29:00	60.2	74.5	62.1	58.8	1:38 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1621810.10
10:30:00	10:30:00	60.3	74.8	62.5	59	1:39 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	1778279.41
10:31:00	10:31:00	60.1	74.5	61.9	58.9	1:40 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1548816.62
10:32:00	10:32:00	59.9	73.6	61.7	58.8	1:41 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1479108.39
10:33:00	10:33:00	59.9	75	61.6	58.6	1:42 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1445439.77
10:34:00	10:34:00	60.1	73.1	61.4	58.8	1:43 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1380384.26
10:35:00	10:35:00	60.1	74.5	61.7	58.9	1:44 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1479108.39
10:36:00	10:36:00	60.2	74.1	61.9	59	1:45 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1548816.62
10:37:00	10:37:00	60.1	73.4	61.6	58.9	1:46 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1445439.77
10:38:00	10:38:00	60	73.5	62.1	58.8	1:47 AM	1000000.00	70	10000000.00	70.0	10000000.00	1621810.10
10:39:00	10:39:00	60.1	73.5	61.9	58.7	1:48 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1548816.62
10:40:00	10:40:00	60	74	61.7	58.8	1:49 AM	1000000.00	70	10000000.00	70.0	10000000.00	1479108.39
10:41:00	10:41:00	60.2	74.6	61.9	59	1:50 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	1548816.62
10:42:00	10:42:00	59.9	73.8	62.1	58.6	1:51 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1621810.10
10:43:00	10:43:00	60.1	74.5	62.1	58.8	1:52 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1621810.10
10:44:00	10:44:00	59.7	73.4	61.3	58.4	1:53 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1348962.88
10:45:00	10:45:00	60.1	72.9	61.7	58.4	1:54 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	1479108.39
10:46:00	10:46:00	59.9	73.8	61.7	58.7	1:55 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1479108.39
10:47:00	10:47:00	59.7	73.2	61.4	58.5	1:56 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1380384.26
10:48:00	10:48:00	59.6	72.8	61.1	58.3	1:57 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1288249.55
10:49:00	10:49:00	59.6	72.8	61.2	58.3	1:58 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1318256.74
10:50:00	10:50:00	59.7	73.5	61.4	58.5	1:59 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1380384.26
10:51:00	10:51:00	60	73.7	61.6	58.8	2:00 AM	1000000.00	70	10000000.00	70.0	10000000.00	1445439.77
10:52:00	10:52:00	59.8	74.2	61.6	58.5	2:01 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1445439.77
10:53:00	10:53:00	59.7	73.4	61.3	58.5	2:02 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1348962.88
10:54:00	10:54:00	59.8	73.1	61.3	58.6	2:03 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1348962.88
10:55:00	10:55:00	60.2	74.7	63.5	58.7	2:04 AM	1047128.55	70.2	10471285.48	70.2	10471285.48	2238721.14
10:56:00	10:56:00	59.9	73.4	62	58.6	2:05 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1584893.19
10:57:00	10:57:00	59.6	75	61.4	58.3	2:06 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1380384.26
10:58:00	10:58:00	59.7	73.8	61.6	58.4	2:07 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1445439.77
10:59:00	10:59:00	59.8	73.5	61.7	58.8	2:08 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1479108.39
11:00:00	11:00:00	59.7	73.6	61.2	58.5	2:09 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1318256.74
11:01:00	11:01:00	59.7	74.5	61.6	58.5	2:10 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1445439.77
11:02:00	11:02:00	59.9	74.5	61.9	58.5	2:11 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1548816.62
11:03:00	11:03:00	59.9	74.6	61.7	58.6	2:12 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1479108.39
11:04:00	11:04:00	59.5	73	61.4	58.4	2:13 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
11:05:00	11:05:00	59.7	73.2	61.4	58.7	2:14 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1380384.26
11:06:00	11:06:00	59.8	73.5	61.6	58.4	2:15 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1445439.77
11:07:00	11:07:00	59.8	72.9	61.6	58.2	2:16 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1445439.77
11:08:00	11:08:00	59.7	74	61.3	58.5	2:17 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1348962.88
11:09:00	11:09:00	59.8	74.3	62	58.6	2:18 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1584893.19
11:10:00	11:10:00	59.8	73.9	61.9	58.6	2:19 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1548816.62
11:11:00	11:11:00	59.5	73.3	61.3	58.2	2:20 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1348962.88
11:12:00	11:12:00	59.7	73.8	61.4	58.6	2:21 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1380384.26
11:13:00	11:13:00	59.9	73.8	61.4	58.6	2:22 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1380384.26
11:14:00	11:14:00	59.7	73.4	61.4	58.6	2:23 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1380384.26
11:15:00	11:15:00	59.7	73.2	61.5	58.3	2:24 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1412537.54
11:16:00	11:16:00	59.8	73.4	61.4	58.6	2:25 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1380384.26
11:17:00	11:17:00	59.8	73.5	61.4	58.4	2:26 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1380384.26
11:18:00	11:18:00	59.6	74.3	61.4	58.4	2:27 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1380384.26
11:19:00	11:19:00	59.8	72.9	61.3	58.6	2:28 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1348962.88
11:20:00	11:20:00	59.7	73.9	61.6	58.3	2:29 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1445439.77
11:21:00	11:21:00	59.6	73.4	61	58.4	2:30 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1258925.41
11:22:00	11:22:00	59.5	73	61.4	58.2	2:31 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
11:23:00	11:23:00	59.6	73.7	61.4	58.3	2:32 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1380384.26
11:24:00	11:24:00	59.6	73.8	61.5	58.5	2:33 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1412537.54
11:25:00	11:25:00	59.5	72.8	61.4	58.3	2:34 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
11:26:00	11:26:00	59.5	72.7	61.4	58.4	2:35 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
11:27:00	11:27:00	59.6	73.5	61.3	58.2	2:36 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
11:28:00	11:28:00	59.5	73.2	61.3	58.3	2:37 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1348962.88
11:29:00	11:29:00	59.5	73.1	61.1	58.4	2:38 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1288249.55
11:30:00	11:30:00	59.6	73.3	61.3	58.3	2:39 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
11:31:00	11:31:00	59.7	74.2	61.3	58.6	2:40 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1348962.88
11:32:00	11:32:00	59.5	73.3	60.9	58.3	2:41 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1230268.77
11:33:00	11:33:00	59.8	73.2	61.5	58.5	2:42 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1412537.54
11:34:00	11:34:00	59.8	73.7	61.4	58.6	2:43 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1380384.26
11:35:00	11:35:00	59.7	74.3	61.8	58.3	2:44 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1513561.25
11:36:00	11:36:00	59.9	74.4	61.6	58.6	2:45 AM	977237.22	69.9	9772372.21	69.9	9772372.21	1445439.77
11:37:00	11:37:00	59.8	73.9	61.8	58.3	2:46 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1513561.25
11:38:00	11:38:00	59.7	73.7	61.9	58.3	2:47 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1548816.62
11:39:00	11:39:00	59.8	73.9	61.5	58.2	2:48 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1412537.54
11:40:00	11:40:00	59.8	73.6	61.8	58.4	2:49 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1513561.25
11:41:00	11:41:00	59.6	73.6	61.1	58.3	2:50 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1288249.55
11:42:00	11:42:00	59.5	73.4	61.1	58.5	2:51 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1288249.55
11:43:00	11:43:00	59.7	73.5	61.3	58.2	2:52 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1348962.88
11:44:00	11:44:00	59.5	73.5	61.2	58.2	2:53 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1318256.74
11:45:00												

				Data								
12:11:00	12:11:00	59.5	73.9	61.3	58.2	3:20 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1348962.88
12:12:00	12:12:00	59.8	72.8	61.5	58.6	3:21 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1412537.54
12:13:00	12:13:00	59.5	74.2	61.1	58.6	3:22 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1288249.55
12:14:00	12:14:00	59.6	74.3	60.8	58.5	3:23 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1202264.43
12:15:00	12:15:00	59.6	73.4	61.3	58.5	3:24 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
12:16:00	12:16:00	59.6	73.3	61.1	58.5	3:25 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1288249.55
12:17:00	12:17:00	59.7	73.6	61.3	58.6	3:26 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1348962.88
12:18:00	12:18:00	59.6	73.4	61.3	58.6	3:27 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
12:19:00	12:19:00	59.7	73.5	61.2	58.7	3:28 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1318256.74
12:20:00	12:20:00	59.6	73.1	60.9	58.6	3:29 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1230268.77
12:21:00	12:21:00	59.6	73.5	61	58.5	3:30 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1258925.41
12:22:00	12:22:00	59.6	73.4	61.3	58.4	3:31 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
12:23:00	12:23:00	59.4	73.3	60.7	58.2	3:32 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1174897.55
12:24:00	12:24:00	59.5	72.6	61	58.5	3:33 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
12:25:00	12:25:00	59.4	73.4	60.7	58.1	3:34 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1174897.55
12:26:00	12:26:00	59.4	73.2	61.3	58.2	3:35 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1348962.88
12:27:00	12:27:00	59.5	73.7	61.2	58	3:36 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1318256.74
12:28:00	12:28:00	59.3	73.6	60.9	57.9	3:37 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1230268.77
12:29:00	12:29:00	59.5	73.7	61.4	58.2	3:38 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
12:30:00	12:30:00	59.7	72.8	61	58.5	3:39 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1258925.41
12:31:00	12:31:00	59.7	73.3	61.2	58.4	3:40 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1318256.74
12:32:00	12:32:00	59.5	73.3	61.1	58.2	3:41 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1288249.55
12:33:00	12:33:00	59.6	72.8	61.2	58.4	3:42 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1318256.74
12:34:00	12:34:00	59.6	73.5	61	58.4	3:43 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1258925.41
12:35:00	12:35:00	59.6	73.3	61.5	58.4	3:44 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1412537.54
12:36:00	12:36:00	59.5	73.2	61.2	58.3	3:45 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1318256.74
12:37:00	12:37:00	59.7	74.1	61.2	58.6	3:46 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1318256.74
12:38:00	12:38:00	59.6	73.2	61.6	58.3	3:47 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1445439.77
12:39:00	12:39:00	59.7	75	61.5	58.4	3:48 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1412537.54
12:40:00	12:40:00	59.5	73.5	61.4	58.3	3:49 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
12:41:00	12:41:00	59.5	73.5	61.5	58.2	3:50 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1412537.54
12:42:00	12:42:00	59.5	73.9	61.1	58.3	3:51 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1288249.55
12:43:00	12:43:00	59.6	72.5	61.1	58.4	3:52 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1288249.55
12:44:00	12:44:00	59.4	72.9	61.3	58.1	3:53 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1348962.88
12:45:00	12:45:00	59.5	73.4	61.2	58.2	3:54 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1318256.74
12:46:00	12:46:00	59.5	73	61.4	58.3	3:55 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
12:47:00	12:47:00	59.5	73.1	61.4	58.3	3:56 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
12:48:00	12:48:00	59.7	73.4	61.4	58.3	3:57 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1380384.26
12:49:00	12:49:00	59.8	73.4	61.5	58.4	3:58 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1412537.54
12:50:00	12:50:00	59.5	73.3	61.2	58.4	3:59 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1318256.74
12:51:00	12:51:00	59.6	73.7	61.3	58.3	4:00 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
12:52:00	12:52:00	59.5	73.8	61.1	58.4	4:01 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1288249.55
12:53:00	12:53:00	59.6	73.8	61.4	58.5	4:02 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1380384.26
12:54:00	12:54:00	59.6	73.3	61	58.4	4:03 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1258925.41
12:55:00	12:55:00	59.5	73.1	61.3	58.4	4:04 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1348962.88
12:56:00	12:56:00	59.6	72.8	61.2	58.3	4:05 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1318256.74
12:57:00	12:57:00	59.5	73.1	61	58.3	4:06 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
12:58:00	12:58:00	59.8	73.7	61.5	58.4	4:07 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1412537.54
12:59:00	12:59:00	59.7	73.9	61.2	58.4	4:08 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1318256.74
13:00:00	13:00:00	59.7	73.3	61.4	58.5	4:09 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1380384.26
13:01:00	13:01:00	59.7	73.5	61.5	58.4	4:10 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1412537.54
13:02:00	13:02:00	59.6	75.1	61.2	58.4	4:11 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1318256.74
13:03:00	13:03:00	59.8	73.4	61.4	58.5	4:12 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1380384.26
13:04:00	13:04:00	59.5	73.7	61	58.4	4:13 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
13:05:00	13:05:00	59.5	74.9	61.5	58.5	4:14 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1412537.54
13:06:00	13:06:00	59.5	73.7	61.2	58.4	4:15 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1318256.74
13:07:00	13:07:00	59.5	72.8	61.1	58.4	4:16 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1288249.55
13:08:00	13:08:00	59.4	72.9	61.2	58.3	4:17 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1318256.74
13:09:00	13:09:00	59.6	73.7	61.4	58.4	4:18 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1380384.26
13:10:00	13:10:00	59.6	73.7	61.2	58.5	4:19 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1318256.74
13:11:00	13:11:00	59.4	73	61	58.2	4:20 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1258925.41
13:12:00	13:12:00	59.4	72.3	61.1	58.2	4:21 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1288249.55
13:13:00	13:13:00	59.3	72.9	61.2	58	4:22 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1318256.74
13:14:00	13:14:00	59.3	73.5	60.9	58	4:23 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1230268.77
13:15:00	13:15:00	59.4	72.9	61.1	58	4:24 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1288249.55
13:16:00	13:16:00	59.5	74.4	61.4	58	4:25 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
13:17:00	13:17:00	59.5	73.1	61.1	58.4	4:26 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1288249.55
13:18:00	13:18:00	59.5	73.2	61.3	58.3	4:27 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1348962.88
13:19:00	13:19:00	59.6	73.1	61.3	58.4	4:28 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
13:20:00	13:20:00	59.5	73.6	61	58.4	4:29 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
13:21:00	13:21:00	59.5	73.2	60.9	58.3	4:30 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1230268.77
13:22:00	13:22:00	59.5	73.5	61.1	58.3	4:31 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1288249.55
13:23:00	13:23:00	59.6	72.7	61.3	58.6	4:32 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
13:24:00	13:24:00	59.7	73.2	61.5	58.5	4:33 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1412537.54
13:25:00	13:25:00	59.6	73.1	61.3	58.5	4:34 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1348962.88
13:26:00	13:26:00	59.7	73.1	61.5	58.6	4:35 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1412537.54
13:27:00	13:27:00	59.7	74.5	61.3	58.5	4:36 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1348962.88
13:28:00	13:28:00	59.7	73.5	61.6	58.6	4:37 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1445439.77
13:29:00	13:29:00	59.5	73.5	61.6	58.4	4:38 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1445439.77
13:30:00	13:30:00	59.4	73.7	60.9	58.							

13:56:00	13:56:00	59.3	74.5	60.8	58.6	5:05 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1202264.43
13:57:00	13:57:00	59.3	73.6	60.8	58.1	5:06 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1202264.43
13:58:00	13:58:00	59.2	73	60.4	57.9	5:07 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1096478.20
13:59:00	13:59:00	59.3	72.4	60.6	58.1	5:08 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1148153.62
14:00:00	14:00:00	59.5	72.8	61	58.3	5:09 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
14:01:00	14:01:00	59.6	72.6	60.8	58.6	5:10 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1202264.43
14:02:00	14:02:00	59.5	73.9	61.2	58.3	5:11 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1318256.74
14:03:00	14:03:00	64	83.5	69.6	59	5:12 AM	2511886.43	74	25118864.32	74.0	25118864.32	9120108.39
14:04:00	14:04:00	59.3	72.5	60.7	58.3	5:13 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1174897.55
14:05:00	14:05:00	59.1	73	60.7	57.8	5:14 AM	812830.52	69.1	8128305.16	69.1	8128305.16	1174897.55
14:06:00	14:06:00	59.2	73.5	60.4	58.1	5:15 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1096478.20
14:07:00	14:07:00	59.5	73.1	61	58.5	5:16 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
14:08:00	14:08:00	59.4	74	61.2	58.2	5:17 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1318256.74
14:09:00	14:09:00	59.5	73.7	60.9	58.6	5:18 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1230268.77
14:10:00	14:10:00	59.5	73.7	61.3	58.3	5:19 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1348962.88
14:11:00	14:11:00	59.4	72.6	61.3	58.5	5:20 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1348962.88
14:12:00	14:12:00	59.4	73.3	60.9	58.2	5:21 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1230268.77
14:13:00	14:13:00	59.4	73.3	60.6	58.4	5:22 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1148153.62
14:14:00	14:14:00	59.4	73.9	61.2	58.2	5:23 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1318256.74
14:15:00	14:15:00	59.4	73.1	61.2	58.3	5:24 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1318256.74
14:16:00	14:16:00	59.4	73	61	58.4	5:25 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1258925.41
14:17:00	14:17:00	59.3	72.8	60.7	58.4	5:26 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1174897.55
14:18:00	14:18:00	59.6	73.3	61	58.5	5:27 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1258925.41
14:19:00	14:19:00	59.5	73.7	61.3	58.3	5:28 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1348962.88
14:20:00	14:20:00	59.3	73.9	60.6	58.4	5:29 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1148153.62
14:21:00	14:21:00	59.4	73.6	60.6	58.5	5:30 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1148153.62
14:22:00	14:22:00	59.4	72.7	60.8	58.4	5:31 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1202264.43
14:23:00	14:23:00	59.3	73.1	60.5	58.3	5:32 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1122018.45
14:24:00	14:24:00	59.3	72.8	60.9	58.2	5:33 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1230268.77
14:25:00	14:25:00	59.3	72.5	60.4	58.3	5:34 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1096478.20
14:26:00	14:26:00	59.1	72	60.2	58.2	5:35 AM	812830.52	69.1	8128305.16	69.1	8128305.16	1047128.55
14:27:00	14:27:00	59.2	73.1	60.6	58.1	5:36 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1148153.62
14:28:00	14:28:00	59.3	73.1	60.6	58.2	5:37 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1148153.62
14:29:00	14:29:00	59.4	73.3	61.1	58.2	5:38 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1288249.55
14:30:00	14:30:00	59.3	72.8	60.7	58.2	5:39 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1174897.55
14:31:00	14:31:00	59.4	73.5	61.5	58.4	5:40 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1412537.54
14:32:00	14:32:00	59.3	73.1	61	58.2	5:41 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1258925.41
14:33:00	14:33:00	59.4	72.9	60.9	58.2	5:42 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1230268.77
14:34:00	14:34:00	59.3	74.5	61.2	58.3	5:43 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1318256.74
14:35:00	14:35:00	59.4	73.7	61.5	58.1	5:44 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1412537.54
14:36:00	14:36:00	59.3	73.5	61.1	58.3	5:45 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1288249.55
14:37:00	14:37:00	59.5	73	61.5	58.2	5:46 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1412537.54
14:38:00	14:38:00	59.2	73.3	61.3	58.2	5:47 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1348962.88
14:39:00	14:39:00	59.2	73.4	60.9	58.1	5:48 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1230268.77
14:40:00	14:40:00	59.2	72.9	60.6	57.9	5:49 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1148153.62
14:41:00	14:41:00	59.3	72.5	61	58.1	5:50 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1258925.41
14:42:00	14:42:00	59.3	72.9	60.7	58.1	5:51 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1174897.55
14:43:00	14:43:00	59.3	72.6	60.8	58	5:52 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1202264.43
14:44:00	14:44:00	59.2	72.7	60.8	57.8	5:53 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1202264.43
14:45:00	14:45:00	59.3	72.9	61.1	58	5:54 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1288249.55
14:46:00	14:46:00	59.6	74.7	61.7	58.1	5:55 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1479108.39
14:47:00	14:47:00	59.7	74	61.6	58.4	5:56 AM	933254.01	69.7	9332543.01	69.7	9332543.01	1445439.77
14:48:00	14:48:00	59.5	73	61.3	58.3	5:57 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1348962.88
14:49:00	14:49:00	59.7	73.7	61.8	58.4	5:58 AM	933254.01	69.7	9332543.01	69.7	9332543.01	1513561.25
14:50:00	14:50:00	59.6	73.6	61.5	58.2	5:59 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1412537.54
14:51:00	14:51:00	59.4	73.9	61.2	58.3	6:00 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1318256.74
14:52:00	14:52:00	59.5	72.5	60.9	58.5	6:01 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1230268.77
14:53:00	14:53:00	59.6	74	61.1	58.5	6:02 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1288249.55
14:54:00	14:54:00	59.4	73.1	61.1	58	6:03 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1288249.55
14:55:00	14:55:00	59.4	80.8	61.1	58.1	6:04 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1288249.55
14:56:00	14:56:00	59.4	72.5	61.1	58.2	6:05 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1288249.55
14:57:00	14:57:00	59.4	73.2	61.4	58	6:06 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1380384.26
14:58:00	14:58:00	59.2	73.1	61	58.1	6:07 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1258925.41
14:59:00	14:59:00	59.3	73.6	60.9	58.1	6:08 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1230268.77
15:00:00	15:00:00	59.5	74.4	61.5	58.3	6:09 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1412537.54
15:01:00	15:01:00	59.4	73.4	61	58	6:10 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1258925.41
15:02:00	15:02:00	59.4	73.2	61.1	58.1	6:11 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1288249.55
15:03:00	15:03:00	59.5	73.2	61	58.4	6:12 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
15:04:00	15:04:00	59.5	73.7	61.5	58.2	6:13 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1412537.54
15:05:00	15:05:00	59.5	73	61.4	58.3	6:14 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1380384.26
15:06:00	15:06:00	59.2	73	60.9	58.1	6:15 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1230268.77
15:07:00	15:07:00	59.2	72.8	60.9	58	6:16 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1230268.77
15:08:00	15:08:00	59.2	72.9	60.6	58.3	6:17 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1148153.62
15:09:00	15:09:00	60.3	85.8	69.4	58.3	6:18 AM	1071519.31	70.3	10715193.05	70.3	10715193.05	8709635.90
15:10:00	15:10:00	59.4	73	61	58.2	6:19 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1258925.41
15:11:00	15:11:00	59.4	74.1	61.1	58.3	6:20 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1288249.55
15:12:00	15:12:00	59.4	74	61.2	58.2	6:21 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1318256.74
15:13:00	15:13:00	59.3	73.1	60.6	58.2	6:22 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1148153.62
15:14:00	15:14:00	59.4	73.5	60.9	58.2	6:23 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1230268.77
15:15:00	15:15:00	59.7	73.9	61.4	58.6	6:24 AM	933254.01	69.7	9332543.01	69.7		

Data

15:41:00	15:41:00	59	72.6	60.1	57.8	6:50 AM	794328.23	69	794328.35	69.0	794328.35	1023292.99
15:42:00	15:42:00	59	71.9	60	58.2	6:51 AM	794328.23	69	794328.35	69.0	794328.35	1000000.00
15:43:00	15:43:00	59.3	73.1	60.5	58.2	6:52 AM	851138.04	69.3	851138.38	69.3	851138.38	1122018.45
15:44:00	15:44:00	59.3	73.1	60.2	58.3	6:53 AM	851138.04	69.3	851138.38	69.3	851138.38	1047128.55
15:45:00	15:45:00	59.1	73.1	60.3	58.2	6:54 AM	812830.52	69.1	812830.52	69.1	812830.52	1071519.31
15:46:00	15:46:00	59	72.9	60.2	58.2	6:55 AM	794328.23	69	794328.35	69.0	794328.35	1047128.55
15:47:00	15:47:00	59	72.2	59.9	58.1	6:56 AM	794328.23	69	794328.35	69.0	794328.35	977237.22
15:48:00	15:48:00	59.2	72.9	60.5	57.9	6:57 AM	831763.77	69.2	831763.77	69.2	831763.77	1122018.45
15:49:00	15:49:00	59.1	72.5	60.3	58.2	6:58 AM	812830.52	69.1	812830.52	69.1	812830.52	1071519.31
15:50:00	15:50:00	59	73.1	60.1	57.9	6:59 AM	794328.23	69	794328.35	69.0	794328.35	1023292.99
15:51:00	15:51:00	58.9	73	60.5	57.8	7:00 AM	776247.12	58.9	776247.12	58.9	776247.12	1122018.45
15:52:00	15:52:00	58.9	72.8	60.4	57.7	7:01 AM	776247.12	58.9	776247.12	58.9	776247.12	1096478.20
15:53:00	15:53:00	58.9	72.9	59.9	58.2	7:02 AM	776247.12	58.9	776247.12	58.9	776247.12	977237.22
15:54:00	15:54:00	58.8	72.1	59.6	57.8	7:03 AM	758577.58	58.8	758577.58	58.8	758577.58	912010.84
15:55:00	15:55:00	59	72.4	59.9	58.3	7:04 AM	794328.23	59	794328.35	59.0	794328.35	977237.22
15:56:00	15:56:00	58.9	71.8	59.9	58.2	7:05 AM	776247.12	58.9	776247.12	58.9	776247.12	977237.22
15:57:00	15:57:00	59.1	72.3	60.3	58.2	7:06 AM	812830.52	59.1	812830.52	59.1	812830.52	1071519.31
15:58:00	15:58:00	59.3	73.6	60.4	58.3	7:07 AM	851138.04	59.3	851138.04	59.3	851138.04	1096478.20
15:59:00	15:59:00	59.3	72.7	60	58.4	7:08 AM	851138.04	59.3	851138.04	59.3	851138.04	1000000.00
16:00:00	16:00:00	59.2	73.8	60.4	58.2	7:09 AM	831763.77	59.2	831763.77	59.2	831763.77	1096478.20
16:01:00	16:01:00	59.2	73.2	60.8	58.4	7:10 AM	831763.77	59.2	831763.77	59.2	831763.77	1202264.43
16:02:00	16:02:00	59	72.4	60.1	58	7:11 AM	794328.23	59	794328.35	59.0	794328.35	1023292.99
16:03:00	16:03:00	59.1	72.6	60.1	58.2	7:12 AM	812830.52	59.1	812830.52	59.1	812830.52	1023292.99
16:04:00	16:04:00	58.9	73.5	60.1	58.1	7:13 AM	776247.12	58.9	776247.12	58.9	776247.12	1023292.99
16:05:00	16:05:00	59	72.1	60	58	7:14 AM	794328.23	59	794328.35	59.0	794328.35	1000000.00
16:06:00	16:06:00	58.9	72.2	60.1	57.9	7:15 AM	776247.12	58.9	776247.12	58.9	776247.12	1023292.99
16:07:00	16:07:00	59.5	73.9	60.9	58.4	7:16 AM	891250.94	59.5	891250.94	59.5	891250.94	1230268.77
16:08:00	16:08:00	59.2	72.5	60.8	57.9	7:17 AM	831763.77	59.2	831763.77	59.2	831763.77	1202264.43
16:09:00	16:09:00	59.4	73	60.8	58.2	7:18 AM	870963.59	59.4	870963.59	59.4	870963.59	1202264.43
16:10:00	16:10:00	60	77.7	63.7	58.5	7:19 AM	1000000.00	60	1000000.00	60.0	1000000.00	2344228.82
16:11:00	16:11:00	59.1	75.2	61	57.8	7:20 AM	812830.52	59.1	812830.52	59.1	812830.52	1258925.41
16:12:00	16:12:00	59.3	73.6	61	58.3	7:21 AM	851138.04	59.3	851138.04	59.3	851138.04	1258925.41
16:13:00	16:13:00	59.4	74.4	61	58.4	7:22 AM	870963.59	59.4	870963.59	59.4	870963.59	1258925.41
16:14:00	16:14:00	59.5	74.1	60.9	58.5	7:23 AM	891250.94	59.5	891250.94	59.5	891250.94	1230268.77
16:15:00	16:15:00	59.1	73.4	61	57.9	7:24 AM	812830.52	59.1	812830.52	59.1	812830.52	1258925.41
16:16:00	16:16:00	60.4	76.6	63.8	58.6	7:25 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	2398832.92
16:17:00	16:17:00	59.4	72.6	60.8	58.2	7:26 AM	870963.59	59.4	870963.59	59.4	870963.59	1202264.43
16:18:00	16:18:00	59	72.5	60.2	58.1	7:27 AM	794328.23	59	794328.35	59.0	794328.35	1047128.55
16:19:00	16:19:00	59.1	72.2	60.2	58	7:28 AM	812830.52	59.1	812830.52	59.1	812830.52	1047128.55
16:20:00	16:20:00	59.3	73.6	60.6	58.4	7:29 AM	851138.04	59.3	851138.04	59.3	851138.04	1148153.62
16:21:00	16:21:00	60.5	79.8	64.6	58.6	7:30 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	2884031.50
16:22:00	16:22:00	59	72.2	60	58	7:31 AM	794328.23	59	794328.35	59.0	794328.35	1000000.00
16:23:00	16:23:00	58.8	72.9	59.9	57.6	7:32 AM	758577.58	58.8	758577.58	58.8	758577.58	977237.22
16:24:00	16:24:00	58.8	73.8	59.9	57.9	7:33 AM	758577.58	58.8	758577.58	58.8	758577.58	977237.22
16:25:00	16:25:00	60.2	77	63.8	58	7:34 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	2398832.92
16:26:00	16:26:00	59.7	73.5	62.6	58	7:35 AM	933254.30	59.7	933254.30	59.7	933254.30	1819700.86
16:27:00	16:27:00	60.1	75.1	62.7	58.3	7:36 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	1862087.14
16:28:00	16:28:00	60	77.6	64.4	58	7:37 AM	1000000.00	60	1000000.00	60.0	1000000.00	2754228.70
16:29:00	16:29:00	59.1	73.5	60.6	57.8	7:38 AM	812830.52	59.1	812830.52	59.1	812830.52	1148153.62
16:30:00	16:30:00	59.4	73.7	61.6	58.1	7:39 AM	870963.59	59.4	870963.59	59.4	870963.59	1445439.77
16:31:00	16:31:00	60.8	77.2	64.8	58.1	7:40 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	3019951.72
16:32:00	16:32:00	59.2	72.4	60.5	58.1	7:41 AM	831763.77	59.2	831763.77	59.2	831763.77	1122018.45
16:33:00	16:33:00	59.1	73.2	60.3	58	7:42 AM	812830.52	59.1	812830.52	59.1	812830.52	1071519.31
16:34:00	16:34:00	59.8	75.3	63.1	58.6	7:43 AM	954992.59	59.8	954992.59	59.8	954992.59	2041737.94
16:35:00	16:35:00	59.7	75.4	63	58	7:44 AM	933254.30	59.7	933254.30	59.7	933254.30	1995262.31
16:36:00	16:36:00	60	77.2	63.8	58	7:45 AM	1000000.00	60	1000000.00	60.0	1000000.00	2398832.92
16:37:00	16:37:00	59.3	73.5	62.7	58.4	7:46 AM	851138.04	59.3	851138.04	59.3	851138.04	1862087.14
16:38:00	16:38:00	59	72.2	60.4	58.2	7:47 AM	794328.23	59	794328.35	59.0	794328.35	1096478.20
16:39:00	16:39:00	59.5	78.8	64.9	58.3	7:48 AM	891250.94	59.5	891250.94	59.5	891250.94	3090295.43
16:40:00	16:40:00	59.1	76.2	61	58.2	7:49 AM	812830.52	59.1	812830.52	59.1	812830.52	1258925.41
16:41:00	16:41:00	66.8	90.1	75.4	58.2	7:50 AM	4786300.92	66.8	4786300.92	66.8	4786300.92	3467368.05
16:42:00	16:42:00	59.9	88.1	74.4	58.5	7:51 AM	2454708.92	63.9	2454708.92	63.9	2454708.92	2754228.70
16:43:00	16:43:00	59.2	73	60.6	58.2	7:52 AM	831763.77	59.2	831763.77	59.2	831763.77	1148153.62
16:44:00	16:44:00	59.4	73.8	60.7	58.4	7:53 AM	870963.59	59.4	870963.59	59.4	870963.59	1174897.55
16:45:00	16:45:00	59.7	73.3	60.8	58.7	7:54 AM	933254.30	59.7	933254.30	59.7	933254.30	1202264.43
16:46:00	16:46:00	59.5	75.7	62.5	58.1	7:55 AM	891250.94	59.5	891250.94	59.5	891250.94	1778279.41
16:47:00	16:47:00	59	71.9	60.6	57.9	7:56 AM	794328.23	59	794328.35	59.0	794328.35	1148153.62
16:48:00	16:48:00	59.2	72.7	60.7	58.4	7:57 AM	831763.77	59.2	831763.77	59.2	831763.77	1174897.55
16:49:00	16:49:00	61.6	81.3	68.9	58.3	7:58 AM	1445439.77	61.6	1445439.77	61.6	1445439.77	7762471.17
16:50:00	16:50:00	64.7	93	74.6	62.9	7:59 AM	2951209.23	64.7	2951209.23	64.7	2951209.23	28840315.03
16:51:00	16:51:00	63.5	78.3	64.5	62.9	8:00 AM	2238721.14	63.5	2238721.14	63.5	2238721.14	2818382.93
16:52:00	16:52:00	63.2	77.5	63.7	62.7	8:01 AM	2089296.13	63.2	2089296.13	63.2	2089296.13	2344228.82
16:53:00	16:53:00	64.6	79.2	65.8	63.2	8:02 AM	2884031.50	64.6	2884031.50	64.6	2884031.50	3801893.96
16:54:00	16:54:00	65	79.7	65.4	64.4	8:03 AM	3162277.66	65	3162277.66	65.0	3162277.66	3467368.05
16:55:00	16:55:00	65	78.8	65.5	64.6	8:04 AM	3162277.66	65	3162277.66	65.0	3162277.66	3548133.89
16:56:00	16:56:00	64.8	78.8	65.2	64.3	8:05 AM	3019951.72	64.8	3019951.72	64.8	3019951.72	3311311.21
16:57:00	16:57:00	64.8	78.4	65.2	64.4	8:06 AM	3019951.72	64.8	3019951.72	64.8	3019951.72	3311311.21
16:58:00	16:58:00	62.8	79.9	64.8	61.9	8:07 AM	1905460.72	62.8	1905460.72	62.8	1905460.72	3019951.72
16:59:00	16:59:00	62.8	77.7	64.8	62.3	8:08 AM	1905460.72	62.8	1905460.72	62.8	1905460.72	3019951.72
17:00:00	17:00:00	63.6	79	66.5	62.5	8:09 AM	2290867.65	63.6	2290867.65	63.6	2290867.65	4466835.92
17:01:00	17:01:00	62.8	82.5	67	59.6	8:10 AM	1905460.72	62.8	19054			

Data

17:26:00	17:26:00	58.9	74.5	60.3	58.1	8:35 AM	776247.12	58.9	776247.12	58.9	776247.12	1071519.31
17:27:00	17:27:00	59.1	73.2	60.6	58.1	8:36 AM	812830.52	59.1	812830.52	59.1	812830.52	1148153.62
17:28:00	17:28:00	59.2	73.4	60.6	58.5	8:37 AM	831763.77	59.2	831763.77	59.2	831763.77	1148153.62
17:29:00	17:29:00	61.3	80.7	65	58.5	8:38 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	3162277.66
17:30:00	17:30:00	60.2	76.7	64.1	58.3	8:39 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	2570395.78
17:31:00	17:31:00	59.2	73.3	60.7	58.2	8:40 AM	831763.77	59.2	831763.77	59.2	831763.77	1174897.55
17:32:00	17:32:00	58.9	72.6	60	58	8:41 AM	776247.12	58.9	776247.12	58.9	776247.12	1000000.00
17:33:00	17:33:00	58.9	72.7	59.9	58	8:42 AM	776247.12	58.9	776247.12	58.9	776247.12	977237.22
17:34:00	17:34:00	58.9	72.8	60.1	58.2	8:43 AM	776247.12	58.9	776247.12	58.9	776247.12	1023292.99
17:35:00	17:35:00	58.8	71.5	59.6	57.6	8:44 AM	758577.58	58.8	758577.58	58.8	758577.58	912010.84
17:36:00	17:36:00	58.6	71.9	59.7	57.6	8:45 AM	724435.96	58.6	724435.96	58.6	724435.96	933254.30
17:37:00	17:37:00	58.4	74.1	59.7	57.1	8:46 AM	691830.97	58.4	691830.97	58.4	691830.97	933254.30
17:38:00	17:38:00	58.6	73.9	60	57.6	8:47 AM	724435.96	58.6	724435.96	58.6	724435.96	1000000.00
17:39:00	17:39:00	59.8	79.1	65.4	57.9	8:48 AM	954992.59	59.8	954992.59	59.8	954992.59	3467368.50
17:40:00	17:40:00	58.7	72.4	60.1	57.6	8:49 AM	741310.24	58.7	741310.24	58.7	741310.24	1023292.99
17:41:00	17:41:00	58.7	73.4	60	57.9	8:50 AM	741310.24	58.7	741310.24	58.7	741310.24	1000000.00
17:42:00	17:42:00	58.7	71.9	59.9	57.8	8:51 AM	741310.24	58.7	741310.24	58.7	741310.24	977237.22
17:43:00	17:43:00	58.7	73.3	59.9	57.8	8:52 AM	741310.24	58.7	741310.24	58.7	741310.24	977237.22
17:44:00	17:44:00	67.3	89.2	76.5	58.3	8:53 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	44668359.22
17:45:00	17:45:00	86	108.7	92.2	76.5	8:54 AM	398107170.55	86	398107170.55	86.0	398107170.55	1659586907.44
17:46:00	17:46:00	90.9	106.6	92.6	81.4	8:55 AM	1230268770.81	90.9	1230268770.81	90.9	1230268770.81	1819700858.61
17:47:00	17:47:00	87.6	107.3	93.3	81.4	8:56 AM	575439937.34	87.6	575439937.34	87.6	575439937.34	2137962089.50
17:48:00	17:48:00	82.1	110.6	88.7	81.1	8:57 AM	162181009.74	82.1	162181009.74	82.1	162181009.74	741310241.30
17:49:00	17:49:00	88.1	106.2	93.3	81.5	8:58 AM	645654229.03	88.1	645654229.03	88.1	645654229.03	2137962089.50
17:50:00	17:50:00	87.8	107	94.5	81.2	8:59 AM	602559586.07	87.8	602559586.07	87.8	602559586.07	2818382931.26
17:51:00	17:51:00	90.7	110.6	94.7	81.7	9:00 AM	1174897554.94	90.7	1174897554.94	90.7	1174897554.94	2951209226.67
17:52:00	17:52:00	87.4	112.4	94.4	79.6	9:01 AM	549540873.86	87.4	549540873.86	87.4	549540873.86	2754228703.34
17:53:00	17:53:00	79.7	99.3	84.6	64.6	9:02 AM	93325430.08	79.7	93325430.08	79.7	93325430.08	288403150.31
17:54:00	17:54:00	69.5	94.4	77	64.9	9:03 AM	8912509.38	69.5	8912509.38	69.5	8912509.38	50118723.36
17:55:00	17:55:00	70	94.5	79.8	63.5	9:04 AM	10000000.00	70	10000000.00	70.0	10000000.00	95499258.60
17:56:00	17:56:00	70.6	100.2	77.4	61.4	9:05 AM	11481536.21	70.6	11481536.21	70.6	11481536.21	54954087.39
17:57:00	17:57:00	65	86.6	68.5	59.1	9:06 AM	3162277.66	65	3162277.66	65.0	3162277.66	7079457.84
17:58:00	17:58:00	65.5	93.5	72.2	58.5	9:07 AM	3548133.89	65.5	3548133.89	65.5	3548133.89	16595869.07
17:59:00	17:59:00	59.2	74.5	62.4	57.4	9:08 AM	831763.77	59.2	831763.77	59.2	831763.77	1737800.83
18:00:00	18:00:00	59.4	79.2	61.3	58	9:09 AM	870963.59	59.4	870963.59	59.4	870963.59	1348962.88
18:01:00	18:01:00	60.7	82.5	65.3	58.2	9:10 AM	1174897.55	60.7	1174897.55	60.7	1174897.55	3388441.56
18:02:00	18:02:00	61.5	81.8	69.1	57.9	9:11 AM	1412537.54	61.5	1412537.54	61.5	1412537.54	8128305.16
18:03:00	18:03:00	63.3	87.2	70.5	58.6	9:12 AM	2137962.09	63.3	2137962.09	63.3	2137962.09	11220184.54
18:04:00	18:04:00	61	80.1	65.7	58	9:13 AM	1258925.41	61	1258925.41	61.0	1258925.41	3715352.29
18:05:00	18:05:00	58.5	79.1	60.2	57.8	9:14 AM	707945.78	58.5	707945.78	58.5	707945.78	1047128.55
18:06:00	18:06:00	59.1	77.7	60.1	57.9	9:15 AM	812830.52	59.1	812830.52	59.1	812830.52	1023292.99
18:07:00	18:07:00	59.7	78	64	57.4	9:16 AM	933254.30	59.7	933254.30	59.7	933254.30	2511886.43
18:08:00	18:08:00	58.5	75.3	59.6	57.3	9:17 AM	707945.78	58.5	707945.78	58.5	707945.78	912010.84
18:09:00	18:09:00	58.7	73	60.1	57.7	9:18 AM	741310.24	58.7	741310.24	58.7	741310.24	1023292.99
18:10:00	18:10:00	59.4	93.3	69	57.3	9:19 AM	870963.59	59.4	870963.59	59.4	870963.59	7943282.35
18:11:00	18:11:00	58.9	73.6	59.9	57.8	9:20 AM	776247.12	58.9	776247.12	58.9	776247.12	977237.22
18:12:00	18:12:00	60.6	79.1	65	57.7	9:21 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	3162277.66
18:13:00	18:13:00	59.9	82.7	69.9	58	9:22 AM	977237.22	59.9	977237.22	59.9	977237.22	977237.22
18:14:00	18:14:00	61.7	82.3	70	58.3	9:23 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	10000000.00
18:15:00	18:15:00	60.5	80.1	65	57.7	9:24 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	3162277.66
18:16:00	18:16:00	59	82.6	61.6	57.9	9:25 AM	794328.23	59	794328.23	59.0	794328.23	1445439.77
18:17:00	18:17:00	60.1	77.9	64.7	58.4	9:26 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	2951209.23
18:18:00	18:18:00	60.4	77.5	64.9	58.7	9:27 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	3090295.43
18:19:00	18:19:00	60.6	82.1	65.4	57.4	9:28 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	3467368.50
18:20:00	18:20:00	58.2	72.8	59.7	57.2	9:29 AM	660693.45	58.2	660693.45	58.2	660693.45	933254.30
18:21:00	18:21:00	58.7	72.8	59.9	57.8	9:30 AM	741310.24	58.7	741310.24	58.7	741310.24	977237.22
18:22:00	18:22:00	58.8	74.1	60.3	57.4	9:31 AM	758577.58	58.8	758577.58	58.8	758577.58	1071519.31
18:23:00	18:23:00	59.6	78.9	62.2	57.7	9:32 AM	912010.84	59.6	912010.84	59.6	912010.84	1659586.91
18:24:00	18:24:00	60.9	80.6	65.5	58	9:33 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	3548133.89
18:25:00	18:25:00	59.1	73.6	59.9	58.2	9:34 AM	812830.52	59.1	812830.52	59.1	812830.52	977237.22
18:26:00	18:26:00	59.3	73.4	60.5	58.4	9:35 AM	851138.04	59.3	851138.04	59.3	851138.04	1122018.45
18:27:00	18:27:00	59.5	74.8	61	58.5	9:36 AM	891250.94	59.5	891250.94	59.5	891250.94	1258925.41
18:28:00	18:28:00	60.9	78.7	64.1	58.9	9:37 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	2570395.78
18:29:00	18:29:00	60.1	74.4	63.2	58.9	9:38 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	2089296.13
18:30:00	18:30:00	60.1	75.8	63.4	58.4	9:39 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	2187761.62
18:31:00	18:31:00	62.1	83.2	68	58.8	9:40 AM	1621810.10	62.1	1621810.10	62.1	1621810.10	6309573.44
18:32:00	18:32:00	60.7	83.8	64	58.6	9:41 AM	1174897.55	60.7	1174897.55	60.7	1174897.55	2511886.43
18:33:00	18:33:00	59.6	76.8	61.7	58.3	9:42 AM	912010.84	59.6	912010.84	59.6	912010.84	1479108.39
18:34:00	18:34:00	60.3	77.7	64.3	58.3	9:43 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	2691534.80
18:35:00	18:35:00	59.3	75	61	58.3	9:44 AM	851138.04	59.3	851138.04	59.3	851138.04	1258925.41
18:36:00	18:36:00	60.1	78.9	63.5	58.4	9:45 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	2238721.14
18:37:00	18:37:00	60.4	86.5	66.6	57.4	9:46 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	4570881.90
18:38:00	18:38:00	59	90.7	62.6	57.3	9:47 AM	794328.23	59	794328.23	59.0	794328.23	1819700.86
18:39:00	18:39:00	58.5	73	59.7	57.1	9:48 AM	707945.78	58.5	707945.78	58.5	707945.78	933254.30
18:40:00	18:40:00	59.1	73.3	60.6	58	9:49 AM	812830.52	59.1	812830.52	59.1	812830.52	1148153.62
18:41:00	18:41:00	59.6	74.3	61.6	58	9:50 AM	912010.84	59.6	912010.84	59.6	912010.84	1445439.77
18:42:00	18:42:00	59.5	74.8	61.7	56.6	9:51 AM	891250.94	59.5	891250.94	59.5	891250.94	1479108.39
18:43:00	18:43:00	58.4	72.6	60.6	57.3	9:52 AM	691830.97	58.4	691830.97	58.4	691830.97	1148153.62
18:44:00	18:44:00	58.2	72.8	60.1	57.2	9:53 AM	660693.45	58.2	660693.45	58.2	660693.45	1023292.99
18:45:00	18:45:00	59.6	74.7	62.1	57.8	9:54 AM						

Data

19:11:00	19:11:00	59.1	74	61.2	57.9	10:20 AM	812830.52	59.1	812830.52	59.1	812830.52	1318256.74
19:12:00	19:12:00	58.6	73.2	60.2	57.3	10:21 AM	724435.96	58.6	724435.96	58.6	724435.96	1047128.55
19:13:00	19:13:00	61	80.1	65.7	58	10:22 AM	1258925.41	61	1258925.41	61.0	1258925.41	3715352.29
19:14:00	19:14:00	59	73.4	61.4	57.3	10:23 AM	794328.23	59	794328.23	59.0	794328.23	1380384.26
19:15:00	19:15:00	59.7	75.1	62.2	57.5	10:24 AM	933254.30	59.7	933254.30	59.7	933254.30	1659586.91
19:16:00	19:16:00	59.2	75.7	62.5	57.2	10:25 AM	831763.77	59.2	831763.77	59.2	831763.77	1778279.41
19:17:00	19:17:00	59.1	75.4	62.5	57.4	10:26 AM	812830.52	59.1	812830.52	59.1	812830.52	1778279.41
19:18:00	19:18:00	60	78.3	64.1	57.7	10:27 AM	1000000.00	60	1000000.00	60.0	1000000.00	2570395.78
19:19:00	19:19:00	60.3	79.9	65.5	57.6	10:28 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	3548133.89
19:20:00	19:20:00	59.4	77.1	63.5	57.5	10:29 AM	870963.59	59.4	870963.59	59.4	870963.59	2238721.14
19:21:00	19:21:00	59.4	73.3	61	58.1	10:30 AM	870963.59	59.4	870963.59	59.4	870963.59	1258925.41
19:22:00	19:22:00	59.4	74.3	61.4	58	10:31 AM	870963.59	59.4	870963.59	59.4	870963.59	1380384.26
19:23:00	19:23:00	58.9	75.2	61.5	57.3	10:32 AM	776247.12	58.9	776247.12	58.9	776247.12	1412537.54
19:24:00	19:24:00	59.2	73.5	60.7	57.9	10:33 AM	831763.77	59.2	831763.77	59.2	831763.77	1174897.55
19:25:00	19:25:00	58.9	73	60.1	58	10:34 AM	776247.12	58.9	776247.12	58.9	776247.12	1023292.99
19:26:00	19:26:00	58.8	72.2	60.1	57.8	10:35 AM	758577.58	58.8	758577.58	58.8	758577.58	1023292.99
19:27:00	19:27:00	59.1	73.5	60.7	57.6	10:36 AM	812830.52	59.1	812830.52	59.1	812830.52	1174897.55
19:28:00	19:28:00	59.5	74.3	61.3	58.3	10:37 AM	891250.94	59.5	891250.94	59.5	891250.94	1348962.88
19:29:00	19:29:00	59.1	74.2	60.4	58	10:38 AM	812830.52	59.1	812830.52	59.1	812830.52	1096478.20
19:30:00	19:30:00	60.6	81	63.7	58.3	10:39 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	2344228.82
19:31:00	19:31:00	59.4	75.8	61.8	58	10:40 AM	870963.59	59.4	870963.59	59.4	870963.59	1513561.25
19:32:00	19:32:00	60.2	79.9	64.8	58.1	10:41 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	3019957.72
19:33:00	19:33:00	61.2	82.9	67.8	57.8	10:42 AM	1318256.74	61.2	1318256.74	61.2	1318256.74	6025595.86
19:34:00	19:34:00	60.5	79.1	64.5	57.9	10:43 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	2818382.93
19:35:00	19:35:00	59.3	73.3	60.5	57.9	10:44 AM	851138.04	59.3	851138.04	59.3	851138.04	1122018.45
19:36:00	19:36:00	59.7	73.3	59.9	57.8	10:45 AM	741310.24	58.7	741310.24	58.7	741310.24	977237.22
19:37:00	19:37:00	58.6	75	61.2	58.6	10:46 AM	912010.84	59.6	912010.84	59.6	912010.84	1318256.74
19:38:00	19:38:00	58.8	74.5	61.7	57.5	10:47 AM	758577.58	58.8	758577.58	58.8	758577.58	1479108.39
19:39:00	19:39:00	58.9	75.2	61.1	57.4	10:48 AM	776247.12	58.9	776247.12	58.9	776247.12	1288249.55
19:40:00	19:40:00	60.5	77.8	64.9	58.7	10:49 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	3090295.43
19:41:00	19:41:00	64.9	86.7	72.3	57.8	10:50 AM	3090295.43	64.9	3090295.43	64.9	3090295.43	16982436.52
19:42:00	19:42:00	58.4	73.4	60.5	57.2	10:51 AM	691830.97	58.4	691830.97	58.4	691830.97	1122018.45
19:43:00	19:43:00	58.5	72.4	59.8	56.9	10:52 AM	707945.78	58.5	707945.78	58.5	707945.78	954992.59
19:44:00	19:44:00	59.9	77.5	64.5	58.1	10:53 AM	977237.22	59.9	977237.22	59.9	977237.22	2818382.93
19:45:00	19:45:00	59.5	75.7	62.4	57.5	10:54 AM	891250.94	59.5	891250.94	59.5	891250.94	1737800.83
19:46:00	19:46:00	58.9	72.3	60	57.2	10:55 AM	776247.12	58.9	776247.12	58.9	776247.12	1000000.00
19:47:00	19:47:00	60.4	79.6	66.6	58.3	10:56 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	4570881.90
19:48:00	19:48:00	64.2	85.9	71	58.2	10:57 AM	2630267.99	64.2	2630267.99	64.2	2630267.99	12589254.12
19:49:00	19:49:00	59	76	63.7	57.2	10:58 AM	794328.23	59	794328.23	59.0	794328.23	2344228.82
19:50:00	19:50:00	58.3	72.2	59.6	57.1	10:59 AM	676082.98	58.3	676082.98	58.3	676082.98	912010.84
19:51:00	19:51:00	59	73.6	61	57.2	11:00 AM	794328.23	59	794328.23	59.0	794328.23	1258925.41
19:52:00	19:52:00	59.6	75.6	63	57.7	11:01 AM	912010.84	59.6	912010.84	59.6	912010.84	1995262.31
19:53:00	19:53:00	59	74.3	61.1	57.7	11:02 AM	794328.23	59	794328.23	59.0	794328.23	1288249.55
19:54:00	19:54:00	64.3	87.1	71.9	57.8	11:03 AM	2691534.80	64.3	2691534.80	64.3	2691534.80	15488166.19
19:55:00	19:55:00	57.9	72.1	59.2	57	11:04 AM	616595.00	57.9	616595.00	57.9	616595.00	831763.77
19:56:00	19:56:00	58.1	72	59.3	57.4	11:05 AM	645654.23	58.1	645654.23	58.1	645654.23	851138.04
19:57:00	19:57:00	58.7	72.5	59.9	58	11:06 AM	741310.24	58.7	741310.24	58.7	741310.24	977237.22
19:58:00	19:58:00	59.8	75.4	61.9	58.3	11:07 AM	954992.59	59.8	954992.59	59.8	954992.59	1548816.62
19:59:00	19:59:00	60.3	80.4	66.3	57.7	11:08 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	4265795.19
20:00:00	20:00:00	58.5	73.6	60.1	57.4	11:09 AM	707945.78	58.5	707945.78	58.5	707945.78	1023292.99
20:01:00	20:01:00	63.3	84.5	70.5	57.6	11:10 AM	2137962.09	63.3	2137962.09	63.3	2137962.09	11220184.54
20:02:00	20:02:00	58.4	76.7	60.9	57.1	11:11 AM	691830.97	58.4	691830.97	58.4	691830.97	1230268.77
20:03:00	20:03:00	60.9	80.1	66.2	57.5	11:12 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	4168693.83
20:04:00	20:04:00	59.1	73.5	60.8	57.9	11:13 AM	812830.52	59.1	812830.52	59.1	812830.52	1202644.43
20:05:00	20:05:00	60.5	78.9	64.5	58.5	11:14 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	2818382.93
20:06:00	20:06:00	58.4	72.8	62.7	57	11:15 AM	691830.97	58.4	691830.97	58.4	691830.97	1862087.14
20:07:00	20:07:00	59.3	77.9	64.3	57.1	11:16 AM	851138.04	59.3	851138.04	59.3	851138.04	2691534.80
20:08:00	20:08:00	59.8	78	65.1	57.2	11:17 AM	954992.59	59.8	954992.59	59.8	954992.59	3235936.57
20:09:00	20:09:00	58.7	71.9	59.2	56.8	11:18 AM	602559.59	58.7	602559.59	58.7	602559.59	831763.77
20:10:00	20:10:00	57.8	74.4	59.9	56.7	11:19 AM	741310.24	58.7	741310.24	58.7	741310.24	977237.22
20:11:00	20:11:00	60.4	77.5	64.4	58.2	11:20 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	2754228.70
20:12:00	20:12:00	58.2	72.7	59.7	57	11:21 AM	660693.45	58.2	660693.45	58.2	660693.45	933254.30
20:13:00	20:13:00	58.3	72.6	59.6	57	11:22 AM	676082.98	58.3	676082.98	58.3	676082.98	912010.84
20:14:00	20:14:00	58.4	75.8	60	57.1	11:23 AM	691830.97	58.4	691830.97	58.4	691830.97	1000000.00
20:15:00	20:15:00	58.6	78.7	60.9	57.8	11:24 AM	724435.96	58.6	724435.96	58.6	724435.96	1230268.77
20:16:00	20:16:00	58.5	73.3	59.5	57.6	11:25 AM	707945.78	58.5	707945.78	58.5	707945.78	891250.94
20:17:00	20:17:00	58.7	72.6	59.7	57.6	11:26 AM	741310.24	58.7	741310.24	58.7	741310.24	933254.30
20:18:00	20:18:00	58.5	73.3	60.1	57.1	11:27 AM	707945.78	58.5	707945.78	58.5	707945.78	1023292.99
20:19:00	20:19:00	58.3	72.9	60	57	11:28 AM	676082.98	58.3	676082.98	58.3	676082.98	1000000.00
20:20:00	20:20:00	58.3	72.2	59.5	57.3	11:29 AM	676082.98	58.3	676082.98	58.3	676082.98	891250.94
20:21:00	20:21:00	58.3	72.8	59.7	57.4	11:30 AM	676082.98	58.3	676082.98	58.3	676082.98	933254.30
20:22:00	20:22:00	58.2	72	59.6	57.3	11:31 AM	660693.45	58.2	660693.45	58.2	660693.45	912010.84
20:23:00	20:23:00	58.7	73.2	60.2	57.6	11:32 AM	741310.24	58.7	741310.24	58.7	741310.24	1047128.55
20:24:00	20:24:00	58.8	72.4	60.1	57.9	11:33 AM	758577.58	58.8	758577.58	58.8	758577.58	1023292.99
20:25:00	20:25:00	59.9	76.9	63.9	58.3	11:34 AM	977237.22	59.9	977237.22	59.9	977237.22	2454708.92
20:26:00	20:26:00	58.3	73	60.1	57	11:35 AM	676082.98	58.3	676082.98	58.3	676082.98	1023292.99
20:27:00	20:27:00	58.8	73.4	60	57.5	11:36 AM	758577.58	58.8	758577.58	58.8	758577.58	1000000.00
20:28:00	20:28:00	59.1	74.7	61.2	58	11:37 AM	812830.52	59.1	812830.52	59.1	812830.52	1318256.74
20:29:00	20:29:00	59.7	74.9	61.7	57.5	11:38 AM	933254.30	59.7	933254.30	59.7	933254.30	1479108.39
20:30:00	20:30:00	58.8	73.8	60.8	58	11:39 AM	758577.58	58.8	758577.58	58.8	758577.58	1202644.43
20:31												

Data

20:56:00	20:56:00	59.9	76.2	62.6	58.3	12:05 PM	977237.22	59.9	977237.22	59.9	977237.22	1819700.86
20:57:00	20:57:00	59	73.1	60.2	58.1	12:06 PM	794328.23	59	794328.23	59.9	794328.23	1047128.55
20:58:00	20:58:00	58.9	74.5	60.6	57.6	12:07 PM	776247.12	58.9	776247.12	58.9	776247.12	1148153.62
20:59:00	20:59:00	58.7	72.6	60.5	57.2	12:08 PM	741310.24	58.7	741310.24	58.7	741310.24	1122018.45
21:00:00	21:00:00	58.4	72.6	60.2	57.2	12:09 PM	691830.97	58.4	691830.97	58.4	691830.97	1047128.55
21:01:00	21:01:00	58.7	73.1	61	56.9	12:10 PM	741310.24	58.7	741310.24	58.7	741310.24	1258925.41
21:02:00	21:02:00	58.3	72.8	59.9	57.2	12:11 PM	676082.98	58.3	676082.98	58.3	676082.98	977237.22
21:03:00	21:03:00	58.5	73	60.3	57.7	12:12 PM	707945.78	58.5	707945.78	58.5	707945.78	1071519.31
21:04:00	21:04:00	59.6	91.6	65.1	57.6	12:13 PM	912010.84	59.6	912010.84	59.6	912010.84	3235936.57
21:05:00	21:05:00	59.7	83	64.2	57.6	12:14 PM	933254.30	59.7	933254.30	59.7	933254.30	2630267.99
21:06:00	21:06:00	58.6	74.6	60.6	57	12:15 PM	724435.96	58.6	724435.96	58.6	724435.96	1148153.62
21:07:00	21:07:00	58.5	72.4	59.9	57.5	12:16 PM	707945.78	58.5	707945.78	58.5	707945.78	977237.22
21:08:00	21:08:00	58.5	73	60.1	57.3	12:17 PM	707945.78	58.5	707945.78	58.5	707945.78	1023292.99
21:09:00	21:09:00	60.3	76	64	58.2	12:18 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	2511886.43
21:10:00	21:10:00	61	78.8	64.4	58.5	12:19 PM	1258925.41	61	1258925.41	61.0	1258925.41	2754228.70
21:11:00	21:11:00	58.9	72.8	59.9	57.5	12:20 PM	776247.12	58.9	776247.12	58.9	776247.12	977237.22
21:12:00	21:12:00	58.4	73.1	60.2	56.8	12:21 PM	691830.97	58.4	691830.97	58.4	691830.97	1047128.55
21:13:00	21:13:00	58.6	73.1	60.1	57.3	12:22 PM	724435.96	58.6	724435.96	58.6	724435.96	1023292.99
21:14:00	21:14:00	58.3	72.6	60.2	57	12:23 PM	676082.98	58.3	676082.98	58.3	676082.98	1047128.55
21:15:00	21:15:00	58.8	73	60.8	57.7	12:24 PM	758577.58	58.8	758577.58	58.8	758577.58	1202264.43
21:16:00	21:16:00	60.1	75.6	63.2	58.1	12:25 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	2089296.13
21:17:00	21:17:00	59.7	75.5	63.1	57.4	12:26 PM	933254.30	59.7	933254.30	59.7	933254.30	2041737.94
21:18:00	21:18:00	59.3	75.3	61.2	57.4	12:27 PM	851138.04	59.3	851138.04	59.3	851138.04	1318256.74
21:19:00	21:19:00	59.5	76.9	63.8	57.2	12:28 PM	891250.94	59.5	891250.94	59.5	891250.94	2398832.92
21:20:00	21:20:00	63	87.5	72.6	57.6	12:29 PM	1995262.31	63	1995262.31	63.0	1995262.31	18197008.59
21:21:00	21:21:00	59	73.7	60.4	57.8	12:30 PM	794328.23	59	794328.23	59.0	794328.23	1096478.20
21:22:00	21:22:00	60.4	76.7	63.3	58.2	12:31 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	2137962.09
21:23:00	21:23:00	59.2	73.1	60.4	58	12:32 PM	831763.77	59.2	831763.77	59.2	831763.77	1096478.20
21:24:00	21:24:00	65.7	90.8	75.5	57.6	12:33 PM	3715352.29	65.7	3715352.29	65.7	3715352.29	35481338.92
21:25:00	21:25:00	58.9	73.6	60.5	57.1	12:34 PM	776247.12	58.9	776247.12	58.9	776247.12	1122018.45
21:26:00	21:26:00	58.7	73.1	60	57.7	12:35 PM	741310.24	58.7	741310.24	58.7	741310.24	1000000.00
21:27:00	21:27:00	59	73.2	61	57.2	12:36 PM	794328.23	59	794328.23	59.0	794328.23	1258925.41
21:28:00	21:28:00	59.2	89.6	60.8	58.2	12:37 PM	831763.77	59.2	831763.77	59.2	831763.77	1202264.43
21:29:00	21:29:00	60.2	76.2	63.9	57.8	12:38 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	2454708.92
21:30:00	21:30:00	59.6	74.8	62	57.8	12:39 PM	912010.84	59.6	912010.84	59.6	912010.84	1584893.19
21:31:00	21:31:00	59.4	73.8	62.2	58	12:40 PM	870963.59	59.4	870963.59	59.4	870963.59	1659586.91
21:32:00	21:32:00	58.7	73.8	60.6	57.3	12:41 PM	741310.24	58.7	741310.24	58.7	741310.24	1148153.62
21:33:00	21:33:00	60.1	78.5	64.8	56.9	12:42 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	3019951.72
21:34:00	21:34:00	58.8	74.3	61	57.3	12:43 PM	758577.58	58.8	758577.58	58.8	758577.58	1258925.41
21:35:00	21:35:00	60.4	76.7	63.9	58.1	12:44 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	2454708.92
21:36:00	21:36:00	59	75	63	57.3	12:45 PM	794328.23	59	794328.23	59.0	794328.23	1995262.31
21:37:00	21:37:00	61.4	85.8	71.5	57.6	12:46 PM	1380384.26	61.4	1380384.26	61.4	1380384.26	14125375.45
21:38:00	21:38:00	64	84.7	72	58	12:47 PM	2511886.43	64	2511886.43	64.0	2511886.43	15848931.92
21:39:00	21:39:00	65	86.7	73.8	58.4	12:48 PM	3162277.66	65	3162277.66	65.0	3162277.66	23988329.19
21:40:00	21:40:00	59.4	74.3	61	58.1	12:49 PM	870963.59	59.4	870963.59	59.4	870963.59	1258925.41
21:41:00	21:41:00	59.7	74.1	61.5	58.2	12:50 PM	933254.30	59.7	933254.30	59.7	933254.30	1412537.54
21:42:00	21:42:00	58.9	73	60.5	57.6	12:51 PM	776247.12	58.9	776247.12	58.9	776247.12	1122018.45
21:43:00	21:43:00	58.9	73.2	61.1	57.8	12:52 PM	776247.12	58.9	776247.12	58.9	776247.12	1288249.55
21:44:00	21:44:00	58.7	73.2	61.3	57	12:53 PM	741310.24	58.7	741310.24	58.7	741310.24	1348962.88
21:45:00	21:45:00	58.5	76.5	60.1	57.3	12:54 PM	707945.78	58.5	707945.78	58.5	707945.78	1023292.99
21:46:00	21:46:00	58.6	76.1	60.2	58.8	12:55 PM	724435.96	58.6	724435.96	58.6	724435.96	1047128.55
21:47:00	21:47:00	58.7	75.2	59.8	57.8	12:56 PM	741310.24	58.7	741310.24	58.7	741310.24	954992.59
21:48:00	21:48:00	58.9	73.8	61.1	57.7	12:57 PM	776247.12	58.9	776247.12	58.9	776247.12	1288249.55
21:49:00	21:49:00	59.5	76.4	62.8	57.6	12:58 PM	891250.94	59.5	891250.94	59.5	891250.94	1905460.72
21:50:00	21:50:00	58.9	83.9	60.8	56.9	12:59 PM	776247.12	58.9	776247.12	58.9	776247.12	1202264.43
21:51:00	21:51:00	58.9	75.8	60.9	57.4	1:00 PM	776247.12	58.9	776247.12	58.9	776247.12	1230268.77
21:52:00	21:52:00	58.9	74	60.6	57.3	1:01 PM	776247.12	58.9	776247.12	58.9	776247.12	1148153.62
21:53:00	21:53:00	59.1	76.3	62.1	57.4	1:02 PM	812830.52	59.1	812830.52	59.1	812830.52	1621810.10
21:54:00	21:54:00	59.5	77.3	63.8	57.5	1:03 PM	891250.94	59.5	891250.94	59.5	891250.94	2398832.92
21:55:00	21:55:00	58.5	72.9	60.1	57.7	1:04 PM	707945.78	58.5	707945.78	58.5	707945.78	1023292.99
21:56:00	21:56:00	58.6	72.4	59.6	57.2	1:05 PM	724435.96	58.6	724435.96	58.6	724435.96	912010.84
21:57:00	21:57:00	59.9	76.9	64.2	56.9	1:06 PM	977237.22	59.9	977237.22	59.9	977237.22	2630267.99
21:58:00	21:58:00	57.9	71.7	59.2	56.9	1:07 PM	616595.00	57.9	616595.00	57.9	616595.00	831763.77
21:59:00	21:59:00	58	72.4	59.3	57.2	1:08 PM	630957.34	58	630957.34	58.0	630957.34	851138.04
22:00:00	22:00:00	58.2	72	59.4	57.1	1:09 PM	660693.45	58.2	660693.45	58.2	660693.45	870963.59
22:01:00	22:01:00	58.5	72.3	59.4	57.3	1:10 PM	707945.78	58.5	707945.78	58.5	707945.78	870963.59
22:02:00	22:02:00	59.2	73.3	60.6	58	1:11 PM	831763.77	59.2	831763.77	59.2	831763.77	1148153.62
22:03:00	22:03:00	60.3	77.6	64.7	57.8	1:12 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	2951209.23
22:04:00	22:04:00	59.2	76.2	63.3	56.9	1:13 PM	831763.77	59.2	831763.77	59.2	831763.77	2137962.09
22:05:00	22:05:00	58.5	72.1	60.5	57.2	1:14 PM	707945.78	58.5	707945.78	58.5	707945.78	1122018.45
22:06:00	22:06:00	58.1	73	59.1	57	1:15 PM	645654.23	58.1	645654.23	58.1	645654.23	812830.52
22:07:00	22:07:00	58.7	72.1	59.7	57.6	1:16 PM	741310.24	58.7	741310.24	58.7	741310.24	933254.30
22:08:00	22:08:00	58.3	72.8	59.9	57	1:17 PM	676082.98	58.3	676082.98	58.3	676082.98	977237.22
22:09:00	22:09:00	59.5	75.7	62	57.2	1:18 PM	891250.94	59.5	891250.94	59.5	891250.94	1584893.19
22:10:00	22:10:00	58.9	74.7	60.9	57.4	1:19 PM	776247.12	58.9	776247.12	58.9	776247.12	1230268.77
22:11:00	22:11:00	59.3	75.4	62.1	57.6	1:20 PM	851138.04	59.3	851138.04	59.3	851138.04	1621810.10
22:12:00	22:12:00	58.8	74	60.1	57.7	1:21 PM	758577.58	58.8	758577.58	58.8	758577.58	1023292.99
22:13:00	22:13:00	58.7	72.6	60.5	56.5	1:22 PM	741310.24	58.7	741310.24	58.7	741310.24	1122018.45
22:14:00	22:14:00	60	77.1	62.7	58.1	1:23 PM	1000000.00	60	1000000.00	60.0	1000000.00	1862087.14
22:15:00	22:15:00	60	80.7	64.1	57.5	1:24 PM	1000000.00	60	1000000.00	60.0	1000000.00	2570395.78
22:16:00	22:16:00	58.5	73.9	60.3								

Data

22:41:00	22:41:00	62.4	87.8	73.4	58	1:50 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	21877616.24
22:42:00	22:42:00	62.6	84.7	73.3	57.6	1:51 PM	1819700.86	62.6	1819700.86	62.6	1819700.86	21379620.90
22:43:00	22:43:00	61.3	83.8	68.3	57.7	1:52 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	6760829.75
22:44:00	22:44:00	60.5	79.5	63.9	58.4	1:53 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	2454708.92
22:45:00	22:45:00	59.1	73.2	61.2	58	1:54 PM	812830.52	59.1	812830.52	59.1	812830.52	1318256.74
22:46:00	22:46:00	58.4	72.9	59.7	57.3	1:55 PM	691830.97	58.4	691830.97	58.4	691830.97	933254.30
22:47:00	22:47:00	58.5	72.5	60	57.4	1:56 PM	707945.78	58.5	707945.78	58.5	707945.78	1000000.00
22:48:00	22:48:00	58.3	72.4	59.4	57.1	1:57 PM	676082.98	58.3	676082.98	58.3	676082.98	870963.59
22:49:00	22:49:00	58.8	74.5	61.2	57.2	1:58 PM	758577.58	58.8	758577.58	58.8	758577.58	1318256.74
22:50:00	22:50:00	59.4	86.7	61.1	58.1	1:59 PM	870963.59	59.4	870963.59	59.4	870963.59	1288249.55
22:51:00	22:51:00	58.5	73	59.8	57.3	2:00 PM	707945.78	58.5	707945.78	58.5	707945.78	954992.59
22:52:00	22:52:00	58.3	73.1	59.6	57.1	2:01 PM	676082.98	58.3	676082.98	58.3	676082.98	912010.84
22:53:00	22:53:00	58.7	72.9	60.3	57.3	2:02 PM	741310.24	58.7	741310.24	58.7	741310.24	1071519.31
22:54:00	22:54:00	60.4	82.3	69.5	58	2:03 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	8912509.38
22:55:00	22:55:00	63.2	84.2	69.9	57.4	2:04 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	9772372.21
22:56:00	22:56:00	58.7	72.3	59.6	57.5	2:05 PM	741310.24	58.7	741310.24	58.7	741310.24	912010.84
22:57:00	22:57:00	59.7	78.3	63.4	57.3	2:06 PM	933254.30	59.7	933254.30	59.7	933254.30	2187761.62
22:58:00	22:58:00	58.5	73	59.5	57.6	2:07 PM	707945.78	58.5	707945.78	58.5	707945.78	891250.94
22:59:00	22:59:00	61	79.2	66	57.5	2:08 PM	1258925.41	61	1258925.41	61.0	1258925.41	3981071.71
23:00:00	23:00:00	58.5	74.1	60.4	57.6	2:09 PM	707945.78	58.5	707945.78	58.5	707945.78	1096478.20
23:01:00	23:01:00	58.4	72.9	59.8	57.1	2:10 PM	691830.97	58.4	691830.97	58.4	691830.97	954992.59
23:02:00	23:02:00	58.4	72.6	59.7	57.6	2:11 PM	691830.97	58.4	691830.97	58.4	691830.97	933254.30
23:03:00	23:03:00	58.7	72.6	60.1	57.6	2:12 PM	741310.24	58.7	741310.24	58.7	741310.24	1023292.99
23:04:00	23:04:00	58.5	72.2	60.2	57.2	2:13 PM	707945.78	58.5	707945.78	58.5	707945.78	1047128.55
23:05:00	23:05:00	58	72.9	60.1	56.8	2:14 PM	630957.34	58	630957.34	58.0	630957.34	1023292.99
23:06:00	23:06:00	58.3	73.8	59.6	57.5	2:15 PM	676082.98	58.3	676082.98	58.3	676082.98	912010.84
23:07:00	23:07:00	62.1	84.2	68.5	58	2:16 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	7079457.84
23:08:00	23:08:00	59.6	75.4	63.1	57.5	2:17 PM	912010.84	59.6	912010.84	59.6	912010.84	2041737.94
23:09:00	23:09:00	60	79.8	65.1	57.3	2:18 PM	1000000.00	60	1000000.00	60.0	1000000.00	3235936.57
23:10:00	23:10:00	58.4	75.1	60	57	2:19 PM	691830.97	58.4	691830.97	58.4	691830.97	1000000.00
23:11:00	23:11:00	58.3	78.1	62.8	56.7	2:20 PM	676082.98	58.3	676082.98	58.3	676082.98	1905460.72
23:12:00	23:12:00	58	72.4	59.1	57	2:21 PM	630957.34	58	630957.34	58.0	630957.34	812830.52
23:13:00	23:13:00	60.5	80.8	66	57.2	2:22 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	3981071.71
23:14:00	23:14:00	58.4	74.2	59.5	57.2	2:23 PM	691830.97	58.4	691830.97	58.4	691830.97	891250.94
23:15:00	23:15:00	58.6	72.9	60.1	57.4	2:24 PM	724435.96	58.6	724435.96	58.6	724435.96	1023292.99
23:16:00	23:16:00	59.2	75.1	60.3	58.3	2:25 PM	831763.77	59.2	831763.77	59.2	831763.77	912010.84
23:17:00	23:17:00	60.6	80.1	66	58	2:26 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	3981071.71
23:18:00	23:18:00	59.6	77.8	65.9	57.7	2:27 PM	912010.84	59.6	912010.84	59.6	912010.84	3890451.45
23:19:00	23:19:00	59.5	78.1	63.4	57.9	2:28 PM	891250.94	59.5	891250.94	59.5	891250.94	2187761.62
23:20:00	23:20:00	60.3	77.9	65	57.9	2:29 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	3162277.66
23:21:00	23:21:00	59.5	75	61.4	58.2	2:30 PM	891250.94	59.5	891250.94	59.5	891250.94	1380384.26
23:22:00	23:22:00	58.8	73.3	60.3	57.7	2:31 PM	758577.58	58.8	758577.58	58.8	758577.58	1071519.31
23:23:00	23:23:00	58.4	72.9	59.8	56.9	2:32 PM	691830.97	58.4	691830.97	58.4	691830.97	954992.59
23:24:00	23:24:00	58.5	72.8	59.7	57.8	2:33 PM	707945.78	58.5	707945.78	58.5	707945.78	933254.30
23:25:00	23:25:00	58.1	72	59.3	56.4	2:34 PM	645654.23	58.1	645654.23	58.1	645654.23	851138.04
23:26:00	23:26:00	58.4	72.8	60.3	57	2:35 PM	691830.97	58.4	691830.97	58.4	691830.97	1071519.31
23:27:00	23:27:00	57.9	71.9	59.6	55.7	2:36 PM	616595.00	57.9	616595.00	57.9	616595.00	912010.84
23:28:00	23:28:00	58.4	72.5	59.6	57.4	2:37 PM	691830.97	58.4	691830.97	58.4	691830.97	912010.84
23:29:00	23:29:00	58.4	72.7	59.3	57.7	2:38 PM	691830.97	58.4	691830.97	58.4	691830.97	851138.04
23:30:00	23:30:00	58.6	73.3	60.1	57.2	2:39 PM	724435.96	58.6	724435.96	58.6	724435.96	1023292.99
23:31:00	23:31:00	63.4	82.3	71	57.3	2:40 PM	2187761.62	63.4	2187761.62	63.4	2187761.62	12589254.12
23:32:00	23:32:00	58.9	75.8	62.7	57.4	2:41 PM	776247.12	58.9	776247.12	58.9	776247.12	1862087.14
23:33:00	23:33:00	58.6	74	60.4	57.4	2:42 PM	724435.96	58.6	724435.96	58.6	724435.96	1096478.20
23:34:00	23:34:00	58.1	71.8	59.3	57.3	2:43 PM	645654.23	58.1	645654.23	58.1	645654.23	851138.04
23:35:00	23:35:00	58.4	72.1	59.9	57.4	2:44 PM	691830.97	58.4	691830.97	58.4	691830.97	977237.22
23:36:00	23:36:00	58.4	72.4	59.5	57.3	2:45 PM	691830.97	58.4	691830.97	58.4	691830.97	891250.94
23:37:00	23:37:00	58	72.4	59.3	56.9	2:46 PM	630957.34	58	630957.34	58.0	630957.34	851138.04
23:38:00	23:38:00	58.6	74.5	60.6	56.7	2:47 PM	724435.96	58.6	724435.96	58.6	724435.96	1148153.62
23:39:00	23:39:00	59.3	75.5	61.6	57.6	2:48 PM	851138.04	59.3	851138.04	59.3	851138.04	1445439.77
23:40:00	23:40:00	58.6	72.8	59.6	57.5	2:49 PM	724435.96	58.6	724435.96	58.6	724435.96	912010.84
23:41:00	23:41:00	58.1	72.8	59.3	56.8	2:50 PM	645654.23	58.1	645654.23	58.1	645654.23	851138.04
23:42:00	23:42:00	58.1	72.9	59	57.1	2:51 PM	645654.23	58.1	645654.23	58.1	645654.23	794328.23
23:43:00	23:43:00	58.8	73.8	60.5	57.1	2:52 PM	758577.58	58.8	758577.58	58.8	758577.58	1122018.45
23:44:00	23:44:00	60.8	81.3	68	56.9	2:53 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	6309573.44
23:45:00	23:45:00	59.5	76.3	63.4	57.8	2:54 PM	891250.94	59.5	891250.94	59.5	891250.94	2187761.62
23:46:00	23:46:00	58.3	72.3	59.4	57.1	2:55 PM	676082.98	58.3	676082.98	58.3	676082.98	870963.59
23:47:00	23:47:00	58.1	73	59.4	57	2:56 PM	645654.23	58.1	645654.23	58.1	645654.23	870963.59
23:48:00	23:48:00	57.7	71.7	58.9	56.8	2:57 PM	588843.66	57.7	588843.66	57.7	588843.66	776247.12
23:49:00	23:49:00	58.1	72.9	60	57.2	2:58 PM	645654.23	58.1	645654.23	58.1	645654.23	1000000.00
23:50:00	23:50:00	58.1	72.9	59.9	57.2	2:59 PM	645654.23	58.1	645654.23	58.1	645654.23	977237.22
23:51:00	23:51:00	58.4	72	59.4	56.9	3:00 PM	691830.97	58.4	691830.97	58.4	691830.97	870963.59
23:52:00	23:52:00	58.4	73.2	59.5	57.6	3:01 PM	691830.97	58.4	691830.97	58.4	691830.97	891250.94
23:53:00	23:53:00	58.5	72.6	60	57.4	3:02 PM	707945.78	58.5	707945.78	58.5	707945.78	1000000.00
23:54:00	23:54:00	58.5	72.9	59.9	57.5	3:03 PM	707945.78	58.5	707945.78	58.5	707945.78	977237.22
23:55:00	23:55:00	58.6	72.9	60.5	57.3	3:04 PM	724435.96	58.6	724435.96	58.6	724435.96	1122018.45
23:56:00	23:56:00	58.7	82.5	61.1	57.8	3:05 PM	741310.24	58.7	741310.24	58.7	741310.24	1288249.55
23:57:00	23:57:00	58.4	85.3	61.6	57.4	3:06 PM	691830.97	58.4	691830.97	58.4	691830.97	1445439.77
23:58:00	23:58:00	59	82.3	60.3	57.9	3:07 PM	794328.23	59	794328.23	59.0	794328.23	1071519.31
23:59:00	23:59:00	60.8	78.9	65.8	58.3	3:08 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	3801893.96
24:00:00	24:00:00	59.7	83	61.8	58.2	3:09 PM	933254.30	59.7	933254.30	59.7	933254.30	1513561.25

## Summary

Serial Number BGI040008  
 Start Time 15:21:22 25-Apr-2022  
 Run Length 24:00:00 5529600

UNIT REV R12N

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	114	
Date		15:17:53 25-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	24	24
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	56.6	56.6
Lmax	dB	79.4	79.3
Lmin	dB	51.4	51.4
Lpk	dB	97.3	97.3
TWA	dB	61.4	61.3
PTWA	dB	61.4	61.3
DOSE	%	1.36	1.36
PDOSE	%	1.36	1.36
SEL	dB	105.9	105.9
EXP	p2s	16	16

Measurement	Units	Value
LDN	dB	63.6
CNEL	dB	63.4
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	62.7
L08	dB	58.9
L25	dB	56.7
L50	dB	55.1

**CUP Site #5 - Measurement #1**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	79.4	62.7	60.3	59.6	59.4	59.2	59.1	59	58.9	58.9
10	58.8	58.7	58.6	58.6	58.5	58.4	58.4	58.3	58.2	58.1
20	57.9	57.6	57.3	57.1	56.9	56.7	56.5	56.4	56.3	56.2
30	56.2	56.1	56	55.9	55.9	55.8	55.8	55.7	55.6	55.6
40	55.6	55.5	55.5	55.4	55.4	55.3	55.3	55.3	55.2	55.2
50	55.1	55.1	55.1	55	55	54.9	54.9	54.8	54.8	54.7
60	54.6	54.6	54.5	54.4	54.3	54.3	54.2	54.2	54.1	54
70	54	53.9	53.8	53.8	53.7	53.7	53.6	53.6	53.5	53.5
80	53.4	53.4	53.3	53.3	53.2	53.2	53.1	53.1	53	53
90	52.9	52.9	52.8	52.8	52.7	52.6	52.6	52.5	52.4	52.2

Raw Stat Table

dB	Count
51.4	8
51.5	50
51.6	130
51.7	454
51.8	990
51.9	2435
52	5400
52.1	10778
52.2	19021
52.3	28315
52.4	37153
52.5	50230
52.6	63836
52.7	75228
52.8	84294
52.9	100824
53	112348
53.1	119645
53.2	85959
53.3	114370
53.4	120823
53.5	119873
53.6	111707
53.7	105849
53.8	98647
53.9	91306
54	87603
54.1	86513
54.2	89310
54.3	89167
54.4	82460

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
51					0	0	0	0	0.01	0.04
52	0.09	0.19	0.34	0.51	0.67	0.9	1.15	1.36	1.52	1.82
53	2.03	2.16	1.55	2.06	2.18	2.16	2.02	1.91	1.78	1.65
54	1.58	1.56	1.61	1.61	1.49	1.43	1.37	1.38	1.47	1.69
55	1.95	2.21	2.5	2.71	2.57	2.37	2.22	2.01	1.88	1.82
56	1.67	1.56	1	1.21	1.11	0.96	0.82	0.7	0.6	0.53
57	0.47	0.45	0.42	0.38	0.37	0.34	0.31	0.32	0.33	0.38
58	0.47	0.69	0.85	1.02	1.18	1.27	1.34	1.43	1.43	1.34
59	1.27	1.21	0.84	0.86	0.77	0.62	0.47	0.36	0.22	0.15
60	0.1	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.05
61	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03
62	0.03	0.03	0.03	0.01	0.03	0.02	0.02	0.02	0.02	0.02
63	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01
64	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
65	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
66	0.01	0.01	0	0	0.01	0.01	0.01	0.01	0	0.01
67	0	0	0	0.01	0	0.01	0.01	0	0	0

**CUP Site #5 - Measurement #1**

Summary

68	0	0.01	0.01	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0

54.5	79245
54.6	76143
54.7	76472
54.8	81301
54.9	93544
55	108049
55.1	122680
55.2	138656
55.3	150030
55.4	142216
55.5	131364
55.6	122793
55.7	111330
55.8	104255
55.9	100979
56	92427
56.1	86773
56.2	55629
56.3	67143
56.4	61509
56.5	53522
56.6	45357
56.7	39034
56.8	33666
56.9	29660
57	26472
57.1	25206
57.2	23283
57.3	21545
57.4	20781
57.5	19329
57.6	17438
57.7	17714
57.8	18721
57.9	21227
58	26222
58.1	38173
58.2	47474
58.3	56848
58.4	65342
58.5	70739
58.6	74253
58.7	79540

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		56.1	82.2	59.1	54.5
	0:02:00	0:02:00		55.5	82.9	61.4	54.5
	0:03:00	0:03:00		55.2	79.7	58.9	53.8
	0:04:00	0:04:00		62.1	84.9	71	53.7
	0:05:00	0:05:00		54.9	70.8	58.3	53.9
	0:06:00	0:06:00		55.2	71	57.7	53.8
	0:07:00	0:07:00		54.5	68.4	55.8	53.8
	0:08:00	0:08:00		54.3	68.6	54.7	53.9
	0:09:00	0:09:00		55.1	69.7	58	54.1
	0:10:00	0:10:00		64.4	90.1	74.3	54
	0:11:00	0:11:00		57.2	73.1	60	54.7
	0:12:00	0:12:00		55.3	73.1	58	54.2
	0:13:00	0:13:00		54.2	68.2	55	53.7
	0:14:00	0:14:00		55.3	72.6	58.5	54.2
	0:15:00	0:15:00		63.8	87.5	73.2	54.2
	0:16:00	0:16:00		54.9	75.3	57.2	53.8
	0:17:00	0:17:00		56	74.6	60.1	53.8
	0:18:00	0:18:00		54.5	68.2	55.8	54
	0:19:00	0:19:00		57.4	79.7	65	54.2
	0:20:00	0:20:00		63.3	89.4	73.6	54.5
	0:21:00	0:21:00		55	70.1	56.6	54
	0:22:00	0:22:00		55.5	74.8	58.8	54.2
	0:23:00	0:23:00		55.7	73	58.7	54.4
	0:24:00	0:24:00		54.9	68.6	56.3	54.1
	0:25:00	0:25:00		56.1	73.6	59.9	54.3
	0:26:00	0:26:00		64.4	90	74	54.4
	0:27:00	0:27:00		54.9	71	57.6	54.1
	0:28:00	0:28:00		55.4	74.5	60.6	54
	0:29:00	0:29:00		54.6	67.9	55.3	54.1
	0:30:00	0:30:00		55.3	73.8	57.7	53.7
	0:31:00	0:31:00		54.7	70.5	56.6	54
	0:32:00	0:32:00		54.6	76.5	55.4	54
	0:33:00	0:33:00		55.3	71.5	57.5	54
	0:34:00	0:34:00		54.2	67.9	55.1	53.7
	0:35:00	0:35:00		56	72.7	59	53.7
	0:36:00	0:36:00		54.3	68	55.3	53.7
	0:37:00	0:37:00		54.3	68	54.7	54
	0:38:00	0:38:00		54.7	69.9	56.6	54
	0:39:00	0:39:00		54.1	67.2	54.7	53.6
	0:40:00	0:40:00		54.3	68.2	55	53.9
	0:41:00	0:41:00		56.3	74.2	60.1	54.5
	0:42:00	0:42:00		54.7	68.9	57.7	54
	0:43:00	0:43:00		54.3	68	55	54
	0:44:00	0:44:00		54.5	70.4	55.5	54
	0:45:00	0:45:00		54.7	72.2	56	54.2
	0:46:00	0:46:00		54.7	69.2	55.1	54.2
	0:47:00	0:47:00		55.1	68.6	55.7	54.6
	0:48:00	0:48:00		54.9	69.6	56.1	54.9
	0:49:00	0:49:00		54.9	68	55.3	54.3
	0:50:00	0:50:00		55.4	70.8	56.7	54.4
	0:51:00	0:51:00		55.3	71.5	58.2	54.6
	0:52:00	0:52:00		57.2	83.8	66.9	55
	0:53:00	0:53:00		57.9	82.5	67	54.6
	0:54:00	0:54:00		55.1	69	56	54.6
	0:55:00	0:55:00		56.1	75.5	61.7	55
	0:56:00	0:56:00		56.7	76.1	62.2	54.8
	0:57:00	0:57:00		55.5	71.6	56.6	54.8
	0:58:00	0:58:00		55.3	69.9	55.9	54.9
	0:59:00	0:59:00		55.1	69.6	57.1	54.3
	1:00:00	1:00:00		56.6	76	60.7	54.6
	1:01:00	1:01:00		55.3	69.2	55.9	54.6
	1:02:00	1:02:00		55.3	69.2	55.8	54.6
	1:03:00	1:03:00		55.4	70.2	56.5	54.6
	1:04:00	1:04:00		55.6	70.7	56.7	54.7
	1:05:00	1:05:00		55.6	70.2	56.5	54.9
	1:06:00	1:06:00		56	71.6	57.3	55.2
	1:07:00	1:07:00		55.7	71.4	56.8	54.9
	1:08:00	1:08:00		55.5	70.4	56.1	55.1
	1:09:00	1:09:00		56.3	72	58.2	55.2
	1:10:00	1:10:00		56.4	77.1	62.2	54.7
	1:11:00	1:11:00		56.2	72	58.4	54.9
	1:12:00	1:12:00		55.7	71.3	58.2	55
	1:13:00	1:13:00		55.8	74	59.5	54.6
	1:14:00	1:14:00		55.2	72.3	55.8	54.6
	1:15:00	1:15:00		55.5	71.8	57.3	54.8
	1:16:00	1:16:00		55.6	70.7	57	54.8
	1:17:00	1:17:00		57.1	74.5	61.8	54.7
	1:18:00	1:18:00		55.5	71.2	58.7	54.7
	1:19:00	1:19:00		55	70.3	56	54.4
	1:20:00	1:20:00		55.3	70.5	56.5	54.6
	1:21:00	1:21:00		55.5	75.6	58.6	54.7
	1:22:00	1:22:00		55.1	68.2	55.6	54.6
	1:23:00	1:23:00		55.1	70.8	55.9	54.3
	1:24:00	1:24:00		54.4	79	57.3	54.8
	1:25:00	1:25:00		54.9	68.5	55.8	54.2
	1:26:00	1:26:00		55.4	69.9	56.3	54.5
	1:27:00	1:27:00		55.7	71.6	58.1	54.8
	1:28:00	1:28:00		55.4	71.8	57.3	54.6
	1:29:00	1:29:00		56.9	78.9	66.4	54.6
	1:30:00	1:30:00		55.8	71.4	57.1	55
	1:31:00	1:31:00		55.6	70.4	56.9	54.9
	1:32:00	1:32:00		55.2	70	56.1	54.7
	1:33:00	1:33:00		55.1	70.1	55.9	54.4
	1:34:00	1:34:00		56.1	71.1	59.6	55
	1:35:00	1:35:00		55.5	70.2	57.1	54.6
	1:36:00	1:36:00		55.3	68.4	55.8	54.8
	1:37:00	1:37:00		55.5	75.5	56.6	55
	1:38:00	1:38:00		55.3	69.9	56.3	54.6
	1:39:00	1:39:00		55	70	55.7	54.3
	1:40:00	1:40:00		55	68.8	55.6	54.5

	Daytime	Nighttime
L <sub>eq</sub>	56.3	57.1
L <sub>max</sub>	79.4	69.4
CNEL	63.6	
L <sub>90</sub>	63.4	
L <sub>50</sub>	57.1	59.2
L <sub>25</sub>	57.4	59.4
L <sub>10</sub>	62.1	59.5
L <sub>17</sub>	68.0	62.8
L <sub>max</sub>	79.4	69.4

	L <sub>eq</sub>	L <sub>max</sub>
7:30 a.m. - 9:30 p.m.	56.3	79.4
9:30 p.m. - 7:30 a.m.	57.0	69.4

Time	L <sub>eq</sub> 10 <sup>(N/10)</sup>	CNEL	CNEL 10 <sup>(N/10)</sup>	L <sub>90</sub>	L <sub>50</sub> 10 <sup>(N/10)</sup>	L <sub>max</sub> 10 <sup>(N/10)</sup>
3:21 PM						
3:22 PM	407380.28	56.1	407380.28	56.1	407380.28	812830.52
3:23 PM	354813.39	55.5	354813.39	55.5	354813.39	1380384.26
3:24 PM	331131.12	55.2	331131.12	55.2	331131.12	776247.12
3:25 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	12589254.12
3:26 PM	309029.54	54.9	309029.54	54.9	309029.54	676082.96
3:27 PM	331131.12	55.2	331131.12	55.2	331131.12	588843.66
3:28 PM	281838.29	54.5	281838.29	54.5	281838.29	380189.40
3:29 PM	269153.48	54.3	269153.48	54.3	269153.48	295120.92
3:30 PM	323593.66	55.1	323593.66	55.1	323593.66	630957.34
3:31 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	26915348.04
3:32 PM	524807.46	57.2	524807.46	57.2	524807.46	1000000.00
3:33 PM	338844.16	55.3	338844.16	55.3	338844.16	630957.34
3:34 PM	263026.80	54.2	263026.80	54.2	263026.80	316227.77
3:35 PM	338844.16	55.3	338844.16	55.3	338844.16	707945.78
3:36 PM	2398832.92	63.8	2398832.92	63.8	2398832.92	20892961.31
3:37 PM	309029.54	54.9	309029.54	54.9	309029.54	524807.46
3:38 PM	398107.17	56	398107.17	56	398107.17	1023292.99
3:39 PM	281838.29	54.5	281838.29	54.5	281838.29	380189.40
3:40 PM	549540.87	57.4	549540.87	57.4	549540.87	316227.77
3:41 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	22908676.53
3:42 PM	316227.77	55	316227.77	55	316227.77	457088.19
3:43 PM	354813.39	55.5	354813.39	55.5	354813.39	758577.58
3:44 PM	371535.23	55.7	371535.23	55.7	371535.23	741310.24
3:45 PM	309029.54	54.9	309029.54	54.9	309029.54	426579.52
3:46 PM	407380.28	56.1	407380.28	56.1	407380.28	977237.22
3:47 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	25118864.32
3:48 PM	309029.54	54.9	309029.54	54.9	309029.54	575439.94
3:49 PM	346736.85	55.4	346736.85	55.4	346736.85	1148153.62
3:50 PM	288403.15	54.6	288403.15	54.6	288403.15	338844.16
3:51 PM	338844.16	55.3	338844.16	55.3	338844.16	588843.66
3:52 PM	295120.92	54.7	295120.92	54.7	295120.92	457088.19
3:53 PM	288403.15	54.6	288403.15	54.6	288403.15	346736.85
3:54 PM	338844.16	55.3	338844.16	55.3	338844.16	562341.33
3:55 PM	263026.80	54.2	263026.80	54.2	263026.80	323593.66
3:56 PM	398107.17	56	398107.17	56	398107.17	794328.23
3:57 PM	269153.48	54.3	269153.48	54.3	269153.48	338844.16
3:58 PM	269153.48	54.3	269153.48	54.3	269153.48	295120.92
3:59 PM	295120.92	54.7	295120.92	54.7	295120.92	457088.19
4:00 PM	257039.58	54.1	257039.58	54.1	257039.58	295120.92
4:01 PM	269153.48	54.3	269153.48	54.3	269153.48	316227.77
4:02 PM	426579.52	56.3	426579.52	56.3	426579.52	1023292.99
4:03 PM	295120.92	54.7	295120.92	54.7	295120.92	588843.66
4:04 PM	269153.48	54.3	269153.48	54.3	269153.48	316227.77
4:05 PM	281838.29	54.5	281838.29	54.5	281838.29	354813.39
4:06 PM	295120.92	54.7	295120.92	54.7	295120.92	398107.17
4:07 PM	295120.92	54.7	295120.92	54.7	29	

Data

1:41:00	1:41:00	55.4	69.6	57.2	54.5	5:02 PM	346736.85	55.4	346736.85	55.4	346736.85	524807.46
1:42:00	1:42:00	55.3	69.4	56.1	54.5	5:03 PM	338844.16	55.3	338844.16	55.3	338844.16	407380.28
1:43:00	1:43:00	56	71	57.2	55	5:04 PM	398107.17	56	398107.17	56.0	398107.17	524807.46
1:44:00	1:44:00	56.7	74.2	59.3	54.9	5:05 PM	467735.14	56.7	467735.14	56.7	467735.14	851138.04
1:45:00	1:45:00	56	72.9	60.2	54.6	5:06 PM	398107.17	56	398107.17	56.0	398107.17	1047128.55
1:46:00	1:46:00	56.1	72.8	59.9	54.8	5:07 PM	407380.28	56.1	407380.28	56.1	407380.28	977237.22
1:47:00	1:47:00	55.1	68.8	56	54.5	5:08 PM	323593.66	55.1	323593.66	55.1	323593.66	398107.17
1:48:00	1:48:00	55.5	69.3	56.9	54.8	5:09 PM	354813.39	55.5	354813.39	55.5	354813.39	489778.82
1:49:00	1:49:00	55.7	70.8	58.3	54.8	5:10 PM	371535.23	55.7	371535.23	55.7	371535.23	676082.98
1:50:00	1:50:00	55.4	71.2	56.5	54.9	5:11 PM	346736.85	55.4	346736.85	55.4	346736.85	446683.59
1:51:00	1:51:00	55.9	71.6	59.1	54.8	5:12 PM	389045.14	55.9	389045.14	55.9	389045.14	812830.52
1:52:00	1:52:00	55.5	69.7	56.2	55	5:13 PM	354813.39	55.5	354813.39	55.5	354813.39	416869.38
1:53:00	1:53:00	55	73.3	55.9	54.4	5:14 PM	316227.77	55	316227.77	55.0	316227.77	389045.14
1:54:00	1:54:00	55.1	69.4	55.8	54.5	5:15 PM	323593.66	55.1	323593.66	55.1	323593.66	380189.40
1:55:00	1:55:00	55.5	70.3	57.2	54.5	5:16 PM	354813.39	55.5	354813.39	55.5	354813.39	524807.46
1:56:00	1:56:00	55.5	71.1	57.1	54.5	5:17 PM	354813.39	55.5	354813.39	55.5	354813.39	512861.38
1:57:00	1:57:00	55.3	70.8	56.2	54.1	5:18 PM	338844.16	55.3	338844.16	55.3	338844.16	416869.38
1:58:00	1:58:00	55.3	71.6	56.2	54.8	5:19 PM	338844.16	55.3	338844.16	55.3	338844.16	416869.38
1:59:00	1:59:00	55.4	74.5	56.6	54.7	5:20 PM	346736.85	55.4	346736.85	55.4	346736.85	457088.19
2:00:00	2:00:00	55.2	68.8	56.2	54.7	5:21 PM	331131.12	55.2	331131.12	55.2	331131.12	416869.38
2:01:00	2:01:00	55.7	74	59.9	54.8	5:22 PM	371535.23	55.7	371535.23	55.7	371535.23	977237.22
2:02:00	2:02:00	55.4	70.2	56.4	54.7	5:23 PM	346736.85	55.4	346736.85	55.4	346736.85	436515.83
2:03:00	2:03:00	55.1	69	56	54.4	5:24 PM	323593.66	55.1	323593.66	55.1	323593.66	398107.17
2:04:00	2:04:00	55.4	69.8	56.8	54.8	5:25 PM	346736.85	55.4	346736.85	55.4	346736.85	478630.09
2:05:00	2:05:00	55.8	73	59.7	54.4	5:26 PM	380189.40	55.8	380189.40	55.8	380189.40	933254.30
2:06:00	2:06:00	56.1	73.8	58.1	54.9	5:27 PM	407380.28	56.1	407380.28	56.1	407380.28	645654.23
2:07:00	2:07:00	55.8	72.6	58.1	54.8	5:28 PM	380189.40	55.8	380189.40	55.8	380189.40	645654.23
2:08:00	2:08:00	55.1	69.1	55.6	54.5	5:29 PM	323593.66	55.1	323593.66	55.1	323593.66	363078.05
2:09:00	2:09:00	55.1	69	55.8	54.5	5:30 PM	323593.66	55.1	323593.66	55.1	323593.66	380189.40
2:10:00	2:10:00	55.1	69.4	55.9	54.2	5:31 PM	323593.66	55.1	323593.66	55.1	323593.66	389045.14
2:11:00	2:11:00	55	68.7	56	54.4	5:32 PM	316227.77	55	316227.77	55.0	316227.77	398107.17
2:12:00	2:12:00	56.8	73.4	61	54.6	5:33 PM	478630.09	56.8	478630.09	56.8	478630.09	1258925.41
2:13:00	2:13:00	55	69.7	55.9	54.4	5:34 PM	316227.77	55	316227.77	55.0	316227.77	389045.14
2:14:00	2:14:00	55.4	69.8	56.1	54.8	5:35 PM	346736.85	55.4	346736.85	55.4	346736.85	407380.28
2:15:00	2:15:00	55.8	71.7	57	54.7	5:36 PM	380189.40	55.8	380189.40	55.8	380189.40	501187.23
2:16:00	2:16:00	55.7	69.8	56.8	55.1	5:37 PM	371535.23	55.7	371535.23	55.7	371535.23	478630.09
2:17:00	2:17:00	55.2	70.6	56.9	54.5	5:38 PM	331131.12	55.2	331131.12	55.2	331131.12	489778.82
2:18:00	2:18:00	55.3	69.8	56.1	54.4	5:39 PM	323593.66	55.3	323593.66	55.3	323593.66	407380.28
2:19:00	2:19:00	55.2	69.7	56	54.5	5:40 PM	331131.12	55.2	331131.12	55.2	331131.12	398107.17
2:20:00	2:20:00	56	70.1	57.5	55.1	5:41 PM	398107.17	56	398107.17	56.0	398107.17	562341.33
2:21:00	2:21:00	55.2	73	57	54.3	5:42 PM	331131.12	55.2	331131.12	55.2	331131.12	501187.23
2:22:00	2:22:00	55.4	70.1	56.4	54.5	5:43 PM	346736.85	55.4	346736.85	55.4	346736.85	436515.83
2:23:00	2:23:00	55.6	73.3	57.2	54.9	5:44 PM	363078.05	55.6	363078.05	55.6	363078.05	524807.46
2:24:00	2:24:00	55.2	69.4	56.7	54.2	5:45 PM	331131.12	55.2	331131.12	55.2	331131.12	467735.14
2:25:00	2:25:00	55.3	69.9	56.2	54.7	5:46 PM	338844.16	55.3	338844.16	55.3	338844.16	416869.38
2:26:00	2:26:00	55.4	68.9	56.3	54.7	5:47 PM	346736.85	55.4	346736.85	55.4	346736.85	426579.52
2:27:00	2:27:00	54.9	68.5	55.9	54.4	5:48 PM	309029.54	54.9	309029.54	54.9	309029.54	389045.14
2:28:00	2:28:00	55	69.3	55.8	54.4	5:49 PM	316227.77	55	316227.77	55.0	316227.77	380189.40
2:29:00	2:29:00	55.5	70.6	56.2	54.9	5:50 PM	354813.39	55.5	354813.39	55.5	354813.39	416869.38
2:30:00	2:30:00	55.5	71.7	57.1	54.6	5:51 PM	354813.39	55.5	354813.39	55.5	354813.39	512861.38
2:31:00	2:31:00	55.2	70.1	56.3	54.6	5:52 PM	331131.12	55.2	331131.12	55.2	331131.12	426579.52
2:32:00	2:32:00	56.1	73.9	58.3	55.2	5:53 PM	407380.28	56.1	407380.28	56.1	407380.28	676082.98
2:33:00	2:33:00	55.6	70.2	56.9	54.7	5:54 PM	363078.05	55.6	363078.05	55.6	363078.05	489778.82
2:34:00	2:34:00	55.8	72	57.6	54.7	5:55 PM	380189.40	55.8	380189.40	55.8	380189.40	575439.94
2:35:00	2:35:00	55.5	71.6	56.3	54.8	5:56 PM	354813.39	55.5	354813.39	55.5	354813.39	426579.52
2:36:00	2:36:00	56	77.8	59	55	5:57 PM	398107.17	56	398107.17	56.0	398107.17	794328.23
2:37:00	2:37:00	55.6	70.2	56.8	55	5:58 PM	363078.05	55.6	363078.05	55.6	363078.05	478630.09
2:38:00	2:38:00	55.9	70.5	57.1	55.2	5:59 PM	389045.14	55.9	389045.14	55.9	389045.14	512861.38
2:39:00	2:39:00	55.9	70.2	56.7	55.1	6:00 PM	389045.14	55.9	389045.14	55.9	389045.14	467735.14
2:40:00	2:40:00	55.4	69.1	56	54.9	6:01 PM	346736.85	55.4	346736.85	55.4	346736.85	398107.17
2:41:00	2:41:00	55.9	71	57.5	55	6:02 PM	389045.14	55.9	389045.14	55.9	389045.14	562341.33
2:42:00	2:42:00	55.6	69	56.4	55.1	6:03 PM	363078.05	55.6	363078.05	55.6	363078.05	436515.83
2:43:00	2:43:00	55.5	71.2	58	54.9	6:04 PM	354813.39	55.5	354813.39	55.5	354813.39	630957.34
2:44:00	2:44:00	55.4	70.2	56	54.8	6:05 PM	346736.85	55.4	346736.85	55.4	346736.85	398107.17
2:45:00	2:45:00	55.2	69.5	56.5	54.5	6:06 PM	331131.12	55.2	331131.12	55.2	331131.12	446683.59
2:46:00	2:46:00	55.3	69.3	55.7	54.4	6:07 PM	338844.16	55.3	338844.16	55.3	338844.16	371535.23
2:47:00	2:47:00	55.3	69.1	55.9	54.6	6:08 PM	338844.16	55.3	338844.16	55.3	338844.16	389045.14
2:48:00	2:48:00	55.6	73.2	57.2	54.8	6:09 PM	363078.05	55.6	363078.05	55.6	363078.05	524807.46
2:49:00	2:49:00	55.5	69.5	56.3	54.9	6:10 PM	354813.39	55.5	354813.39	55.5	354813.39	426579.52
2:50:00	2:50:00	55.7	71.1	56.3	55.3	6:11 PM	371535.23	55.7	371535.23	55.7	371535.23	426579.52
2:51:00	2:51:00	55.5	70.2	57.4	54.7	6:12 PM	354813.39	55.5	354813.39	55.5	354813.39	549540.87
2:52:00	2:52:00	55.4	69.2	56.2	54.9	6:13 PM	346736.85	55.4	346736.85	55.4	346736.85	416869.38
2:53:00	2:53:00	59.2	82.1	66	54.9	6:14 PM	831763.77	59.2	831763.77	59.2	831763.77	398107.17
2:54:00	2:54:00	55.6	71.7	56.7	54.8	6:15 PM	363078.05	55.6	363078.05	55.6	363078.05	467735.14
2:55:00	2:55:00	58.1	77.8	66	55.1	6:16 PM	645654.23	58.1	645654.23	58.1	645654.23	398107.17
2:56:00	2:56:00	57.1	76.4	65	54.9	6:17 PM	512861.38	57.1	512861.38	57.1	512861.38	316227.77
2:57:00	2:57:00	55.6	70.8	56.7	55	6:18 PM	363078.05	55.6	363078.05	55.6	363078.05	467735.14
2:58:00	2:58:00	55.7	70.6	57.4	55.1	6:19 PM	371535.23	55.7	371535.23	55.7	371535.23	549540.87
2:59:00	2:59:00	58.5	77.9	65.2	55.8	6:20 PM	707945.78	58.5	707945.78	58.5	707945.78	331131.12
3:00:00	3:00:00	60.3	83.2	67.6	54.9	6:21 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	5754399.37
3:01:00	3:01:00	55.3	69.1	56.1	54.9	6:22 PM	338844.16	55.3	338844.16	55.3	338844.16	407380.28
3:02:00	3:02:00	55.4	69.6	56.5	55	6:23 PM	346736.85	55.4	346736.85	55.4	346736.85	446683.59
3:03:00	3:03:00	55.9	72.4	57.5	55.3	6:24 PM						

Data

3:26:00	3:26:00	55.3	69.4	56	54.6	6:47 PM	338844.16	55.3	338844.16	55.3	338844.16	398107.17
3:27:00	3:27:00	55.2	68.6	55.6	54.6	6:48 PM	331131.12	55.2	331131.12	55.2	331131.12	363078.05
3:28:00	3:28:00	55.2	70.5	55.7	54.6	6:49 PM	331131.12	55.2	331131.12	55.2	331131.12	371535.23
3:29:00	3:29:00	55.1	68.8	56	54.4	6:50 PM	323593.66	55.1	323593.66	55.1	323593.66	398107.17
3:30:00	3:30:00	55.3	69.5	56.8	54.6	6:51 PM	338844.16	55.3	338844.16	55.3	338844.16	478630.09
3:31:00	3:31:00	55.4	69.4	56.5	54.8	6:52 PM	346736.85	55.4	346736.85	55.4	346736.85	446683.59
3:32:00	3:32:00	55.2	69.1	55.8	54.7	6:53 PM	331131.12	55.2	331131.12	55.2	331131.12	380189.40
3:33:00	3:33:00	55.3	69.3	55.8	54.8	6:54 PM	338844.16	55.3	338844.16	55.3	338844.16	380189.40
3:34:00	3:34:00	55.8	71.7	59.2	55	6:55 PM	380189.40	55.8	380189.40	55.8	380189.40	831763.77
3:35:00	3:35:00	55.5	69.5	56.8	55.1	6:56 PM	354813.39	55.5	354813.39	55.5	354813.39	478630.09
3:36:00	3:36:00	55.1	70	55.9	54.7	6:57 PM	323593.66	55.1	323593.66	55.1	323593.66	389045.14
3:37:00	3:37:00	55.1	68.7	55.6	54.6	6:58 PM	323593.66	55.1	323593.66	55.1	323593.66	363078.05
3:38:00	3:38:00	56	77.1	58.9	54.9	6:59 PM	398107.17	56	398107.17	56.0	398107.17	776247.12
3:39:00	3:39:00	55.6	70.2	56.6	54.7	7:00 PM	363078.05	55.6	363078.05	55.6	363078.05	457088.19
3:40:00	3:40:00	56	72.5	59.5	55	7:01 PM	398107.17	61	1258925.41	56.0	398107.17	891250.94
3:41:00	3:41:00	55.7	70.4	56.5	55.1	7:02 PM	371535.23	60.7	1174897.55	55.7	371535.23	446683.59
3:42:00	3:42:00	55.2	69.1	56.1	54.7	7:03 PM	331131.12	60.2	1047128.55	55.2	331131.12	407380.28
3:43:00	3:43:00	55.7	75.3	61.3	54.7	7:04 PM	371535.23	60.7	1174897.55	55.7	371535.23	1348962.88
3:44:00	3:44:00	56.2	76.7	61.5	55	7:05 PM	416869.38	61.2	1318256.74	56.2	416869.38	1412537.54
3:45:00	3:45:00	55.8	73.2	57.3	55	7:06 PM	380189.40	60.8	1202264.43	55.8	380189.40	537031.80
3:46:00	3:46:00	55.7	70.5	56.6	55.1	7:07 PM	363078.05	60.6	1148153.62	55.6	363078.05	457088.19
3:47:00	3:47:00	55.7	71.3	56.6	54.9	7:08 PM	371535.23	60.7	1174897.55	55.7	371535.23	457088.19
3:48:00	3:48:00	55.4	82.9	59.8	54.7	7:09 PM	346736.85	60.4	1096478.20	55.4	346736.85	954992.59
3:49:00	3:49:00	55.8	70.5	58	55.1	7:10 PM	380189.40	60.8	1202264.43	55.8	380189.40	630957.34
3:50:00	3:50:00	59.4	80.7	65.7	55.1	7:11 PM	870963.59	64.4	2754228.70	59.4	870963.59	371535.23
3:51:00	3:51:00	55.6	71.5	58.1	54.8	7:12 PM	363078.05	60.6	1148153.62	55.6	363078.05	645654.23
3:52:00	3:52:00	55.6	70.3	56.5	55	7:13 PM	363078.05	60.6	1148153.62	55.6	363078.05	446683.59
3:53:00	3:53:00	55.5	71.7	56.5	55	7:14 PM	354813.39	60.5	1122018.45	55.5	354813.39	446683.59
3:54:00	3:54:00	55.7	70.8	56.9	55	7:15 PM	371535.23	60.7	1174897.55	55.7	371535.23	489778.82
3:55:00	3:55:00	55.7	70.5	56.5	55	7:16 PM	371535.23	60.7	1174897.55	55.7	371535.23	446683.59
3:56:00	3:56:00	55.6	70.4	56.8	55	7:17 PM	363078.05	60.6	1148153.62	55.6	363078.05	478630.09
3:57:00	3:57:00	55.4	71	56.3	54.9	7:18 PM	346736.85	60.4	1096478.20	55.4	346736.85	426579.52
3:58:00	3:58:00	55.3	68.8	55.8	54.8	7:19 PM	338844.16	60.3	1071519.31	55.3	338844.16	380189.40
3:59:00	3:59:00	55.3	69.1	55.7	54.9	7:20 PM	338844.16	60.3	1071519.31	55.3	338844.16	371535.23
4:00:00	4:00:00	55.4	69.9	55.8	54.9	7:21 PM	346736.85	60.4	1096478.20	55.4	346736.85	380189.40
4:01:00	4:01:00	55.7	70.2	56.5	55.1	7:22 PM	371535.23	60.7	1174897.55	55.7	371535.23	446683.59
4:02:00	4:02:00	55.8	69.7	57.2	55.1	7:23 PM	380189.40	60.8	1202264.43	55.8	380189.40	524807.46
4:03:00	4:03:00	55.9	70.5	56.8	55.1	7:24 PM	389045.14	60.9	1230268.77	55.9	389045.14	478630.09
4:04:00	4:04:00	55.8	72.7	57.2	55.2	7:25 PM	380189.40	60.8	1202264.43	55.8	380189.40	524807.46
4:05:00	4:05:00	55.9	71	56.7	55.2	7:26 PM	389045.14	60.9	1230268.77	55.9	389045.14	467735.14
4:06:00	4:06:00	56.9	71.4	58.5	55.8	7:27 PM	489778.82	61.9	1548816.62	56.9	489778.82	707945.78
4:07:00	4:07:00	56	73	57.2	55.5	7:28 PM	398107.17	61	1258925.41	56.0	398107.17	524807.46
4:08:00	4:08:00	56	71.6	57.2	55.2	7:29 PM	398107.17	61	1258925.41	56.0	398107.17	524807.46
4:09:00	4:09:00	55.5	69.2	56.1	55	7:30 PM	354813.39	60.5	1122018.45	55.5	354813.39	407380.28
4:10:00	4:10:00	56.2	76.1	59.1	55	7:31 PM	416869.38	61.2	1318256.74	56.2	416869.38	812830.52
4:11:00	4:11:00	57.7	75.3	61.8	55.4	7:32 PM	588843.66	62.7	1862087.14	57.7	588843.66	1513561.25
4:12:00	4:12:00	56.3	70.8	57.3	55.7	7:33 PM	426579.52	61.3	1348962.88	56.3	426579.52	537031.80
4:13:00	4:13:00	56.1	69.8	57.2	55.5	7:34 PM	407380.28	61.1	1288249.55	56.1	407380.28	524807.46
4:14:00	4:14:00	55.7	69.6	56.5	55.3	7:35 PM	371535.23	60.7	1174897.55	55.7	371535.23	446683.59
4:15:00	4:15:00	56	69.7	57	55.5	7:36 PM	398107.17	61	1258925.41	56.0	398107.17	501187.23
4:16:00	4:16:00	56.3	71.1	58.1	55.3	7:37 PM	426579.52	61.3	1348962.88	56.3	426579.52	645654.23
4:17:00	4:17:00	55.9	69.9	56.4	55.4	7:38 PM	389045.14	60.9	1230268.77	55.9	389045.14	436515.83
4:18:00	4:18:00	55.9	69.4	56.5	55.5	7:39 PM	389045.14	60.9	1230268.77	55.9	389045.14	446683.59
4:19:00	4:19:00	56.2	70.4	57.3	55.7	7:40 PM	416869.38	61.2	1318256.74	56.2	416869.38	537031.80
4:20:00	4:20:00	56	71.2	57.1	55.2	7:41 PM	398107.17	61	1258925.41	56.0	398107.17	512861.38
4:21:00	4:21:00	56.5	74.8	60.4	55.6	7:42 PM	446683.59	61.5	1412537.54	56.5	446683.59	1096478.20
4:22:00	4:22:00	56.3	71.2	58.7	55.2	7:43 PM	426579.52	61.3	1348962.88	56.3	426579.52	741310.24
4:23:00	4:23:00	55.9	71.4	56.8	55.1	7:44 PM	389045.14	60.9	1230268.77	55.9	389045.14	478630.09
4:24:00	4:24:00	56.7	72.9	60.9	55.2	7:45 PM	467735.14	61.7	1479108.39	56.7	467735.14	1230268.77
4:25:00	4:25:00	56.1	72.5	60.2	55.3	7:46 PM	407380.28	61.1	1288249.55	56.1	407380.28	1047128.55
4:26:00	4:26:00	55.8	69.5	56.3	55.2	7:47 PM	380189.40	60.8	1202264.43	55.8	380189.40	426579.52
4:27:00	4:27:00	55.6	72.7	59.8	55.3	7:48 PM	446683.59	61.5	1412537.54	55.6	446683.59	954992.59
4:28:00	4:28:00	56.1	71	57.9	55.5	7:49 PM	407380.28	61.1	1288249.55	56.1	407380.28	616595.00
4:29:00	4:29:00	55.8	69.8	56.4	55.4	7:50 PM	380189.40	60.8	1202264.43	55.8	380189.40	436515.83
4:30:00	4:30:00	55.9	71.4	56.8	55.4	7:51 PM	389045.14	60.9	1230268.77	55.9	389045.14	478630.09
4:31:00	4:31:00	55.8	69.1	56.3	55.5	7:52 PM	380189.40	60.8	1202264.43	55.8	380189.40	426579.52
4:32:00	4:32:00	56	70.2	56.7	55.5	7:53 PM	398107.17	61	1258925.41	56.0	398107.17	467735.14
4:33:00	4:33:00	56	71.2	56.6	55.7	7:54 PM	398107.17	61	1258925.41	56.0	398107.17	457088.19
4:34:00	4:34:00	55.8	71.3	57	55.5	7:55 PM	380189.40	60.8	1202264.43	55.8	380189.40	501187.23
4:35:00	4:35:00	56.1	70.3	57.5	55.4	7:56 PM	407380.28	61.1	1288249.55	56.1	407380.28	562341.33
4:36:00	4:36:00	56.4	70.6	57.6	55.6	7:57 PM	436515.83	61.4	1380384.26	56.4	436515.83	575439.94
4:37:00	4:37:00	56.6	70.5	58	55.9	7:58 PM	457088.19	61.6	1445439.77	56.6	457088.19	630957.34
4:38:00	4:38:00	56.7	71.7	58.6	55.6	7:59 PM	467735.14	61.7	1479108.39	56.7	467735.14	724435.96
4:39:00	4:39:00	56.6	72.6	58.8	55.7	8:00 PM	457088.19	61.6	1445439.77	56.6	457088.19	758577.58
4:40:00	4:40:00	56.3	74	58	55.8	8:01 PM	426579.52	61.3	1348962.88	56.3	426579.52	630957.34
4:41:00	4:41:00	56.3	70.2	56.9	55.7	8:02 PM	426579.52	61.3	1348962.88	56.3	426579.52	489778.82
4:42:00	4:42:00	56.7	73	58	55.9	8:03 PM	467735.14	61.7	1479108.39	56.7	467735.14	630957.34
4:43:00	4:43:00	58.1	82.2	62.2	56	8:04 PM	645654.23	63.1	2041737.94	58.1	645654.23	1659586.91
4:44:00	4:44:00	56.1	70.3	56.8	55.6	8:05 PM	407380.28	61.1	1288249.55	56.1	407380.28	478630.09
4:45:00	4:45:00	56.6	70.2	57.6	55.9	8:06 PM	457088.19	61.6	1445439.77	56.6	457088.19	575439.94
4:46:00	4:46:00	56.5	72.4	59.5	55.5	8:07 PM	446683.59	61.5	1412537.54	56.5	446683.59	891250.94
4:47:00	4:47:00	56.3	70.1	56.8	55.7	8:08 PM	426579.52	61.3	1348962.88	56.3	426579.52	478630.09

5:11:00	5:11:00	58.6	79.1	64.8	55.9	8:32 PM	724435.96	63.6	2290867.65	58.6	724435.96	3019951.72
5:12:00	5:12:00	56	70.2	56.6	55.4	8:33 PM	398107.17	61	1258925.41	56.0	398107.17	457088.19
5:13:00	5:13:00	56	69.9	57	55.5	8:34 PM	398107.17	61	1258925.41	56.0	398107.17	501187.23
5:14:00	5:14:00	56.7	71.3	57.7	56	8:35 PM	467735.14	61.7	1479108.39	56.7	467735.14	588843.66
5:15:00	5:15:00	56.6	70.9	57.2	56.1	8:36 PM	457088.19	61.6	1445439.77	56.6	457088.19	524807.46
5:16:00	5:16:00	56.7	72.2	59.5	55.3	8:37 PM	467735.14	61.7	1479108.39	56.7	467735.14	891250.94
5:17:00	5:17:00	56.7	73.2	60.3	55.3	8:38 PM	467735.14	61.7	1479108.39	56.7	467735.14	1071519.31
5:18:00	5:18:00	55.6	69.6	56.1	55.2	8:39 PM	363078.05	60.6	1148153.62	55.6	363078.05	407380.28
5:19:00	5:19:00	55.9	71	56.6	55.3	8:40 PM	389045.14	60.9	1230268.77	55.9	389045.14	457088.19
5:20:00	5:20:00	56	70.7	56.6	55.5	8:41 PM	398107.17	61	1258925.41	56.0	398107.17	457088.19
5:21:00	5:21:00	56	69.9	56.7	55.5	8:42 PM	398107.17	61	1258925.41	56.0	398107.17	467735.14
5:22:00	5:22:00	56.5	70.3	57.1	56	8:43 PM	446683.59	61.5	1412537.54	56.5	446683.59	512861.38
5:23:00	5:23:00	56.4	70.3	57.2	55.9	8:44 PM	436515.83	61.4	1380384.26	56.4	436515.83	524807.46
5:24:00	5:24:00	56.6	70.1	57.1	56	8:45 PM	457088.19	61.6	1445439.77	56.6	457088.19	512861.38
5:25:00	5:25:00	56.7	70.8	57.3	56.2	8:46 PM	467735.14	61.7	1479108.39	56.7	467735.14	537031.80
5:26:00	5:26:00	57.4	75.7	60.5	55.9	8:47 PM	549540.87	62.4	1737800.83	57.4	549540.87	1122018.45
5:27:00	5:27:00	56.2	70.6	57.5	55.2	8:48 PM	416869.38	61.2	1318256.74	56.2	416869.38	562341.33
5:28:00	5:28:00	56.6	76.1	62.5	55.6	8:49 PM	457088.19	61.6	1445439.77	56.6	457088.19	1778279.41
5:29:00	5:29:00	56.6	73	61.7	55.9	8:50 PM	457088.19	61.6	1445439.77	56.6	457088.19	1479108.39
5:30:00	5:30:00	56.9	71.5	57.9	56.2	8:51 PM	489778.82	61.9	1548816.62	56.9	489778.82	616595.00
5:31:00	5:31:00	56.2	71.1	58.2	56.4	8:52 PM	524807.46	62.2	1659586.91	57.2	524807.46	660693.45
5:32:00	5:32:00	56.4	70.6	57.1	56	8:53 PM	436515.83	61.4	1380384.26	56.4	436515.83	512861.38
5:33:00	5:33:00	56.7	72	58.2	56	8:54 PM	467735.14	61.7	1479108.39	56.7	467735.14	660693.45
5:34:00	5:34:00	56.5	70.5	57.2	55.9	8:55 PM	446683.59	61.5	1412537.54	56.5	446683.59	524807.46
5:35:00	5:35:00	56.4	71	57.9	55.4	8:56 PM	436515.83	61.4	1380384.26	56.4	436515.83	616595.00
5:36:00	5:36:00	56	69.6	56.8	55.4	8:57 PM	398107.17	61	1258925.41	56.0	398107.17	478630.09
5:37:00	5:37:00	56	70.1	56.6	55.5	8:58 PM	398107.17	61	1258925.41	56.0	398107.17	457088.19
5:38:00	5:38:00	56.1	69.9	56.7	55.6	8:59 PM	407380.28	61.1	1288249.55	56.1	407380.28	467735.14
5:39:00	5:39:00	57	74.2	60	55.8	9:00 PM	501187.23	62	1584893.19	57.0	501187.23	1000000.00
5:40:00	5:40:00	56.2	69.8	57.4	55.6	9:01 PM	416869.38	61.2	1318256.74	56.2	416869.38	549540.87
5:41:00	5:41:00	56.7	71.6	58.7	55.9	9:02 PM	467735.14	61.7	1479108.39	56.7	467735.14	741310.24
5:42:00	5:42:00	56.9	71	58.5	56.1	9:03 PM	489778.82	61.9	1548816.62	56.9	489778.82	707945.78
5:43:00	5:43:00	56.3	70.3	56.9	55.9	9:04 PM	426579.52	61.3	1348962.88	56.3	426579.52	489778.82
5:44:00	5:44:00	56.5	70.1	56.9	55.9	9:05 PM	426579.52	61.3	1348962.88	56.3	426579.52	489778.82
5:45:00	5:45:00	56.5	70.5	57.2	56	9:06 PM	446683.59	61.5	1412537.54	56.5	446683.59	524807.46
5:46:00	5:46:00	56.4	70.5	57.4	55.9	9:07 PM	436515.83	61.4	1380384.26	56.4	436515.83	549540.87
5:47:00	5:47:00	56.6	70.9	58.1	55.7	9:08 PM	457088.19	61.6	1445439.77	56.6	457088.19	645654.23
5:48:00	5:48:00	56	70.1	56.5	55.7	9:09 PM	398107.17	61	1258925.41	56.0	398107.17	446683.59
5:49:00	5:49:00	56.1	70	56.7	55.7	9:10 PM	407380.28	61.1	1288249.55	56.1	407380.28	467735.14
5:50:00	5:50:00	58	76.6	64.4	56	9:11 PM	630957.34	63	1995262.31	58.0	630957.34	2754228.70
5:51:00	5:51:00	57.1	71.4	58.3	56.3	9:12 PM	512861.38	62.1	1621810.10	57.1	512861.38	676082.98
5:52:00	5:52:00	57.1	71.4	58.2	56.2	9:13 PM	512861.38	62.1	1621810.10	57.1	512861.38	660693.45
5:53:00	5:53:00	57.4	72.2	59.2	56.5	9:14 PM	549540.87	62.4	1737800.83	57.4	549540.87	831763.77
5:54:00	5:54:00	57.1	72.8	59	56.5	9:15 PM	512861.38	62.1	1621810.10	57.1	512861.38	794328.23
5:55:00	5:55:00	57.3	71.2	58.7	56.4	9:16 PM	537031.80	62.3	1698243.65	57.3	537031.80	741310.24
5:56:00	5:56:00	56.5	70.6	57.7	55.8	9:17 PM	446683.59	61.5	1412537.54	56.5	446683.59	588843.66
5:57:00	5:57:00	56.5	71.1	57.3	55.8	9:18 PM	446683.59	61.5	1412537.54	56.5	446683.59	537031.80
5:58:00	5:58:00	56.8	70.8	57.4	56.3	9:19 PM	478630.09	61.8	1513561.25	56.8	478630.09	549540.87
5:59:00	5:59:00	57.9	71.7	58.9	57	9:20 PM	616595.00	62.9	1949844.60	57.9	616595.00	776247.12
6:00:00	6:00:00	57.2	71.4	57.9	56.6	9:21 PM	524807.46	62.2	1659586.91	57.2	524807.46	616595.00
6:01:00	6:01:00	57.4	71.8	58.9	56.7	9:22 PM	549540.87	62.4	1737800.83	57.4	549540.87	776247.12
6:02:00	6:02:00	57.6	72.2	58.6	57	9:23 PM	575439.94	62.6	1819700.86	57.6	575439.94	724435.96
6:03:00	6:03:00	57.5	71.4	58	57	9:24 PM	562341.33	62.5	1778279.41	57.5	562341.33	630957.34
6:04:00	6:04:00	57.3	71.3	57.9	56.8	9:25 PM	537031.80	62.3	1698243.65	57.3	537031.80	616595.00
6:05:00	6:05:00	58	74.6	62.4	56.8	9:26 PM	630957.34	63	1995262.31	58.0	630957.34	1737800.83
6:06:00	6:06:00	58.3	73.3	60.4	57	9:27 PM	676082.98	63.3	2137962.09	58.3	676082.98	1096478.20
6:07:00	6:07:00	57.6	73.9	60.7	57	9:28 PM	575439.94	62.6	1819700.86	57.6	575439.94	1174897.55
6:08:00	6:08:00	57.3	74.8	58.4	56.6	9:29 PM	537031.80	62.3	1698243.65	57.3	537031.80	691830.97
6:09:00	6:09:00	57.6	71.7	58.7	56.8	9:30 PM	575439.94	62.6	1819700.86	57.6	575439.94	741310.24
6:10:00	6:10:00	58.8	74.7	62.6	57.4	9:31 PM	758577.58	63.8	2398832.92	58.8	758577.58	1819700.86
6:11:00	6:11:00	57.4	71.4	58.1	56.8	9:32 PM	549540.87	62.4	1737800.83	57.4	549540.87	645654.23
6:12:00	6:12:00	57.7	73	59	56.9	9:33 PM	588843.66	62.7	1862087.14	57.7	588843.66	794328.23
6:13:00	6:13:00	57.2	71.6	58	56.5	9:34 PM	524807.46	62.2	1659586.91	57.2	524807.46	630957.34
6:14:00	6:14:00	57.4	71.3	58.1	56.9	9:35 PM	549540.87	62.4	1737800.83	57.4	549540.87	645654.23
6:15:00	6:15:00	57.8	72.9	59.1	56.8	9:36 PM	602559.59	62.8	1905460.72	57.8	602559.59	812830.52
6:16:00	6:16:00	57.4	71.6	58	56.9	9:37 PM	549540.87	62.4	1737800.83	57.4	549540.87	630957.34
6:17:00	6:17:00	57.2	71.9	59.3	56.3	9:38 PM	524807.46	62.2	1659586.91	57.2	524807.46	851138.04
6:18:00	6:18:00	57.2	71.4	57.9	56.7	9:39 PM	524807.46	62.2	1659586.91	57.2	524807.46	616595.00
6:19:00	6:19:00	56.7	70.2	57.2	56.2	9:40 PM	467735.14	61.7	1479108.39	56.7	467735.14	524807.46
6:20:00	6:20:00	56.3	70.6	57.1	55.7	9:41 PM	426579.52	61.3	1348962.88	56.3	426579.52	512861.38
6:21:00	6:21:00	56.2	70.6	57	55.5	9:42 PM	407380.28	61.1	1288249.55	56.1	407380.28	501187.23
6:22:00	6:22:00	56.2	71.2	56.9	55.6	9:43 PM	416869.38	61.2	1318256.74	56.2	416869.38	489778.82
6:23:00	6:23:00	56.2	69.8	57	55.6	9:44 PM	416869.38	61.2	1318256.74	56.2	416869.38	501187.23
6:24:00	6:24:00	56.5	71.4	59	55.9	9:45 PM	446683.59	61.5	1412537.54	56.5	446683.59	794328.23
6:25:00	6:25:00	57.2	72	58.3	56.1	9:46 PM	524807.46	62.2	1659586.91	57.2	524807.46	676082.98
6:26:00	6:26:00	56.8	70.9	58.1	56.1	9:47 PM	478630.09	61.8	1513561.25	56.8	478630.09	645654.23
6:27:00	6:27:00	56.6	70	57.8	56	9:48 PM	457088.19	61.6	1445439.77	56.6	457088.19	602559.59
6:28:00	6:28:00	58.3	74.4	63.8	56.1	9:49 PM	676082.98	63.3	2137962.09	58.3	676082.98	2398832.92
6:29:00	6:29:00	57.6	73.5	60.8	55.6	9:50 PM	575439.94	62.6	1819700.86	57.6	575439.94	1202264.43
6:30:00	6:30:00	56	69.7	56.9	55.5	9:51 PM	398107.17	61	1258925.41	56.0	398107.17	489778.82
6:31:00	6:31:00	55.7	70.1	56.6	55.2	9:52 PM	371535.23	60.7	1174897.55	55.7	371535.23	457088.19
6:32:00	6:32:00	56.1	70.8	57.4	55.1	9:53 PM	407380.28	61.1	1288249.55	56.1	407380.28	549540.87
6:33:00	6:33:00</											

Data

6:56:00	6:56:00	55.7	73.9	59.3	54.9	10:17 PM	371535.23	65.7	371535.29	65.7	371535.29	851138.04
6:57:00	6:57:00	55.1	68.6	55.7	54.7	10:18 PM	323593.66	65.1	323593.67	65.1	323593.67	371535.23
6:58:00	6:58:00	55.6	70	56	55.2	10:19 PM	363078.05	65.6	363078.05	65.6	363078.05	398107.17
6:59:00	6:59:00	57.7	91.5	64.4	54.8	10:20 PM	588843.66	67.7	588843.65	67.7	588843.65	2754228.70
7:00:00	7:00:00	55.4	69.6	57.3	54.8	10:21 PM	346736.85	65.4	346736.80	65.4	346736.80	537031.80
7:01:00	7:01:00	55.3	70.9	57.7	54.7	10:22 PM	338844.16	65.3	338844.16	65.3	338844.16	588843.66
7:02:00	7:02:00	55.2	68.6	55.8	54.8	10:23 PM	331131.12	65.2	331131.12	65.2	331131.12	380189.40
7:03:00	7:03:00	55.1	68.9	55.6	54.6	10:24 PM	323593.66	65.1	323593.67	65.1	323593.67	363078.05
7:04:00	7:04:00	54.9	68.7	55.4	54.4	10:25 PM	309029.54	64.9	309029.54	64.9	309029.54	346736.85
7:05:00	7:05:00	55.2	69.6	56	55.1	10:26 PM	346736.85	65.4	346736.80	65.4	346736.80	398107.17
7:06:00	7:06:00	55.8	71.4	57	55.2	10:27 PM	380189.40	65.8	380189.96	65.8	380189.96	501187.23
7:07:00	7:07:00	55.8	69	56.2	55.2	10:28 PM	380189.40	65.8	380189.96	65.8	380189.96	416869.38
7:08:00	7:08:00	56.7	74.6	60.4	55.8	10:29 PM	467735.14	66.7	467735.14	66.7	467735.14	1096478.20
7:09:00	7:09:00	55.7	69.5	56.2	55.1	10:30 PM	371535.23	65.7	371535.29	65.7	371535.29	416869.38
7:10:00	7:10:00	55.8	69.7	56.5	55.3	10:31 PM	380189.40	65.8	380189.96	65.8	380189.96	446683.59
7:11:00	7:11:00	55.4	69.4	55.9	54.9	10:32 PM	346736.85	65.4	346736.80	65.4	346736.80	389045.14
7:12:00	7:12:00	55.6	68.9	55.9	55.2	10:33 PM	363078.05	65.6	363078.05	65.6	363078.05	389045.14
7:13:00	7:13:00	55.3	69.1	55.8	54.9	10:34 PM	338844.16	65.3	338844.16	65.3	338844.16	380189.40
7:14:00	7:14:00	55.6	70.2	55.9	55.2	10:35 PM	363078.05	65.6	363078.05	65.6	363078.05	389045.14
7:15:00	7:15:00	55.6	70.1	56	54.9	10:36 PM	363078.05	65.6	363078.05	65.6	363078.05	398107.17
7:16:00	7:16:00	55.3	69	55.7	54.8	10:37 PM	338844.16	65.3	338844.16	65.3	338844.16	371535.23
7:17:00	7:17:00	55.4	69.1	55.9	54.9	10:38 PM	346736.85	65.4	346736.80	65.4	346736.80	389045.14
7:18:00	7:18:00	55.2	69.2	55.6	55	10:39 PM	331131.12	65.2	331131.12	65.2	331131.12	363078.05
7:19:00	7:19:00	55.4	69.7	55.7	55.1	10:40 PM	346736.85	65.4	346736.80	65.4	346736.80	371535.23
7:20:00	7:20:00	55.3	69.2	55.8	54.9	10:41 PM	338844.16	65.3	338844.16	65.3	338844.16	380189.40
7:21:00	7:21:00	55.3	69.7	55.8	55	10:42 PM	338844.16	65.3	338844.16	65.3	338844.16	380189.40
7:22:00	7:22:00	55.3	69.6	55.8	55	10:43 PM	338844.16	65.3	338844.16	65.3	338844.16	380189.40
7:23:00	7:23:00	55.3	70	55.9	54.9	10:44 PM	338844.16	65.3	338844.16	65.3	338844.16	389045.14
7:24:00	7:24:00	55.5	69.3	56.3	55.1	10:45 PM	354813.39	65.5	354813.89	65.5	354813.89	426579.52
7:25:00	7:25:00	55.6	69.6	56	55.2	10:46 PM	363078.05	65.6	363078.05	65.6	363078.05	398107.17
7:26:00	7:26:00	55.4	69.9	55.8	55	10:47 PM	346736.85	65.4	346736.80	65.4	346736.80	380189.40
7:27:00	7:27:00	55.4	69.2	55.8	55.2	10:48 PM	346736.85	65.4	346736.80	65.4	346736.80	380189.40
7:28:00	7:28:00	55.5	70	57.2	55	10:49 PM	354813.39	65.5	354813.89	65.5	354813.89	524807.46
7:29:00	7:29:00	55.6	70.1	56.7	55.2	10:50 PM	363078.05	65.6	363078.05	65.6	363078.05	467735.14
7:30:00	7:30:00	55.7	70.1	57.4	55	10:51 PM	371535.23	65.7	371535.29	65.7	371535.29	549540.87
7:31:00	7:31:00	55.7	76.6	63.9	55	10:52 PM	512861.38	67.1	512861.38	67.1	512861.38	2454708.92
7:32:00	7:32:00	55.5	70.2	56.9	55.1	10:53 PM	354813.39	65.5	354813.89	65.5	354813.89	489778.82
7:33:00	7:33:00	55.6	69.8	56.8	55	10:54 PM	363078.05	65.6	363078.05	65.6	363078.05	478630.09
7:34:00	7:34:00	55.5	69.6	55.9	55.1	10:55 PM	354813.39	65.5	354813.89	65.5	354813.89	389045.14
7:35:00	7:35:00	55.5	69.7	56.1	54.8	10:56 PM	354813.39	65.5	354813.89	65.5	354813.89	407380.28
7:36:00	7:36:00	55.8	70.2	56.2	55.4	10:57 PM	380189.40	65.8	380189.96	65.8	380189.96	416869.38
7:37:00	7:37:00	55.8	69.7	56.4	55.3	10:58 PM	380189.40	65.8	380189.96	65.8	380189.96	436515.83
7:38:00	7:38:00	55.8	69.4	56.2	55.4	10:59 PM	380189.40	65.8	380189.96	65.8	380189.96	416869.38
7:39:00	7:39:00	56	70.1	56.8	55.4	11:00 PM	398107.17	66	398107.17	66.0	398107.17	478630.09
7:40:00	7:40:00	56.2	69.8	56.8	55.7	11:01 PM	416869.38	66.2	416869.83	66.2	416869.83	478630.09
7:41:00	7:41:00	56.5	72.3	59	55.7	11:02 PM	446683.59	66.5	446683.92	66.5	446683.92	794328.23
7:42:00	7:42:00	56.4	70.9	57.5	55.8	11:03 PM	436515.83	66.4	436515.83	66.4	436515.83	562341.33
7:43:00	7:43:00	56.5	75.8	60.7	55.4	11:04 PM	446683.59	66.5	446683.92	66.5	446683.92	1174897.55
7:44:00	7:44:00	56.8	70.2	57.8	55.1	11:05 PM	380189.40	65.8	380189.96	65.8	380189.96	602559.59
7:45:00	7:45:00	55.8	70.1	58.2	55.1	11:06 PM	380189.40	65.8	380189.96	65.8	380189.96	660693.45
7:46:00	7:46:00	55.7	69.2	56.1	55.2	11:07 PM	371535.23	65.7	371535.29	65.7	371535.29	407380.28
7:47:00	7:47:00	55.9	71.2	58	55.1	11:08 PM	389045.14	65.9	389045.14	65.9	389045.14	630957.34
7:48:00	7:48:00	55.7	72.5	57.6	55.1	11:09 PM	371535.23	65.7	371535.29	65.7	371535.29	575439.94
7:49:00	7:49:00	55.4	69.2	55.9	54.9	11:10 PM	346736.85	65.4	346736.80	65.4	346736.80	389045.14
7:50:00	7:50:00	55.2	69.3	55.6	54.7	11:11 PM	331131.12	65.2	331131.12	65.2	331131.12	363078.05
7:51:00	7:51:00	55.4	69.6	55.9	54.8	11:12 PM	346736.85	65.4	346736.80	65.4	346736.80	389045.14
7:52:00	7:52:00	55.5	70.3	56.2	55	11:13 PM	354813.39	65.5	354813.89	65.5	354813.89	416869.38
7:53:00	7:53:00	56	72	59.6	55.1	11:14 PM	398107.17	66	398107.17	66.0	398107.17	912010.84
7:54:00	7:54:00	55.9	70.4	56.9	55.3	11:15 PM	389045.14	65.9	389045.14	65.9	389045.14	489778.82
7:55:00	7:55:00	55.4	70.6	56.1	55	11:16 PM	346736.85	65.4	346736.80	65.4	346736.80	407380.28
7:56:00	7:56:00	55.5	69.6	56.2	55	11:17 PM	354813.39	65.5	354813.89	65.5	354813.89	416869.38
7:57:00	7:57:00	55.9	70.2	56.5	55.4	11:18 PM	389045.14	65.9	389045.14	65.9	389045.14	446683.59
7:58:00	7:58:00	55.6	69.9	56.5	55.1	11:19 PM	363078.05	65.6	363078.05	65.6	363078.05	446683.59
7:59:00	7:59:00	55.5	69.4	56.1	54.9	11:20 PM	354813.39	65.5	354813.89	65.5	354813.89	407380.28
8:00:00	8:00:00	55.5	70.2	56.6	54.9	11:21 PM	354813.39	65.5	354813.89	65.5	354813.89	457088.19
8:01:00	8:01:00	55.1	68.8	55.6	54.7	11:22 PM	323593.66	65.1	323593.67	65.1	323593.67	363078.05
8:02:00	8:02:00	55.3	69.5	55.7	54.8	11:23 PM	338844.16	65.3	338844.16	65.3	338844.16	371535.23
8:03:00	8:03:00	55.5	69.4	56.4	54.8	11:24 PM	354813.39	65.5	354813.89	65.5	354813.89	436515.83
8:04:00	8:04:00	55.6	87.2	59.3	54.8	11:25 PM	363078.05	65.6	363078.05	65.6	363078.05	851138.04
8:05:00	8:05:00	56.2	80.8	60.4	54.8	11:26 PM	416869.38	66.2	416869.83	66.2	416869.83	1096478.20
8:06:00	8:06:00	55.3	69.5	56.3	54.6	11:27 PM	338844.16	65.3	338844.16	65.3	338844.16	426579.52
8:07:00	8:07:00	55.1	68.1	55.5	54.7	11:28 PM	323593.66	65.1	323593.67	65.1	323593.67	354813.39
8:08:00	8:08:00	55.3	69.7	55.9	55	11:29 PM	338844.16	65.3	338844.16	65.3	338844.16	389045.14
8:09:00	8:09:00	55.5	69.6	56.5	54.9	11:30 PM	354813.39	65.5	354813.89	65.5	354813.89	446683.59
8:10:00	8:10:00	55.6	69.7	56.1	55.2	11:31 PM	363078.05	65.6	363078.05	65.6	363078.05	407380.28
8:11:00	8:11:00	55.5	69.2	56.2	54.7	11:32 PM	354813.39	65.5	354813.89	65.5	354813.89	416869.38
8:12:00	8:12:00	55.5	69.1	55.9	54.8	11:33 PM	354813.39	65.5	354813.89	65.5	354813.89	389045.14
8:13:00	8:13:00	55.2	72.3	55.5	54.7	11:34 PM	331131.12	65.2	331131.12	65.2	331131.12	354813.39
8:14:00	8:14:00	56.8	72.2	58.2	54.7	11:35 PM	478630.09	66.8	478630.09	66.8	478630.09	660693.45
8:15:00	8:15:00	57.9	75.1	58.5	57.2	11:36 PM	616595.00	67.9	616595.00	67.9	616595.00	707945.78
8:16:00	8:16:00	58.6	73.8	60	58	11:37 PM	724435.96	68.6	724435.96	68.6	724435.96	1000000.00
8:17:00	8:17:00	58.3	83.7	59.8	57.7	11:38 PM	676082.98	68.3	676082.98			

Data

8:41:00	8:41:00	58.3	72.2	58.6	58	12:02 AM	676082.98	68.3	6760829.75	68.3	6760829.75	724435.96
8:42:00	8:42:00	58.4	72	58.9	58	12:03 AM	691830.97	68.4	6918309.71	68.4	6918309.71	776247.12
8:43:00	8:43:00	58.4	72.8	58.6	57.9	12:04 AM	691830.97	68.4	6918309.71	68.4	6918309.71	724435.96
8:44:00	8:44:00	58.4	72.1	58.7	58.1	12:05 AM	691830.97	68.4	6918309.71	68.4	6918309.71	741310.24
8:45:00	8:45:00	58.5	72.3	58.8	58.1	12:06 AM	707945.78	68.5	7079457.84	68.5	7079457.84	758577.58
8:46:00	8:46:00	58.4	72.4	58.7	58.2	12:07 AM	691830.97	68.4	6918309.71	68.4	6918309.71	741310.24
8:47:00	8:47:00	58.6	72.1	58.9	58.2	12:08 AM	724435.96	68.6	7244359.60	68.6	7244359.60	776247.12
8:48:00	8:48:00	58.5	72.1	58.9	58.1	12:09 AM	707945.78	68.5	7079457.84	68.5	7079457.84	776247.12
8:49:00	8:49:00	58.7	72.2	59.7	58.2	12:10 AM	741310.24	68.7	7413102.41	68.7	7413102.41	933254.30
8:50:00	8:50:00	58.6	72.1	59.3	58.1	12:11 AM	724435.96	68.6	7244359.60	68.6	7244359.60	851138.04
8:51:00	8:51:00	58.7	72.8	59.1	58.2	12:12 AM	741310.24	68.7	7413102.41	68.7	7413102.41	812830.52
8:52:00	8:52:00	58.3	71.8	58.8	57.9	12:13 AM	676082.98	68.3	6760829.75	68.3	6760829.75	758577.58
8:53:00	8:53:00	58.3	72.2	58.7	58.1	12:14 AM	676082.98	68.3	6760829.75	68.3	6760829.75	741310.24
8:54:00	8:54:00	58.3	72.5	58.7	57.9	12:15 AM	676082.98	68.3	6760829.75	68.3	6760829.75	741310.24
8:55:00	8:55:00	58.4	72	58.6	58	12:16 AM	691830.97	68.4	6918309.71	68.4	6918309.71	724435.96
8:56:00	8:56:00	58.6	72.1	59.1	58.2	12:17 AM	724435.96	68.6	7244359.60	68.6	7244359.60	812830.52
8:57:00	8:57:00	58.5	73.4	58.9	58	12:18 AM	707945.78	68.5	7079457.84	68.5	7079457.84	776247.12
8:58:00	8:58:00	58.3	72.1	58.7	57.9	12:19 AM	676082.98	68.3	6760829.75	68.3	6760829.75	741310.24
8:59:00	8:59:00	58.2	72	58.7	57.8	12:20 AM	660693.45	68.2	6606934.48	68.2	6606934.48	741310.24
9:00:00	9:00:00	58.3	72.2	58.9	57.8	12:21 AM	676082.98	68.3	6760829.75	68.3	6760829.75	776247.12
9:01:00	9:01:00	58.6	72.4	59.1	58	12:22 AM	724435.96	68.6	7244359.60	68.6	7244359.60	812830.52
9:02:00	9:02:00	58.5	71.9	59	57.8	12:23 AM	707945.78	68.5	7079457.84	68.5	7079457.84	794328.23
9:03:00	9:03:00	58.7	72.2	59.4	58.2	12:24 AM	741310.24	68.7	7413102.41	68.7	7413102.41	870963.59
9:04:00	9:04:00	59.3	74	61.6	58	12:25 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1445439.77
9:05:00	9:05:00	60	77	62.1	58.2	12:26 AM	1000000.00	70	#####	70	1000000.00	1621810.10
9:06:00	9:06:00	58.5	72.2	59.4	58	12:27 AM	707945.78	68.5	7079457.84	68.5	7079457.84	870963.59
9:07:00	9:07:00	59.6	77.5	62.7	58.4	12:28 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1862087.14
9:08:00	9:08:00	58.1	72.3	58.7	57.7	12:29 AM	645654.23	68.1	6456542.29	68.1	6456542.29	741310.24
9:09:00	9:09:00	58.1	71.8	58.6	57.7	12:30 AM	645654.23	68.1	6456542.29	68.1	6456542.29	724435.96
9:10:00	9:10:00	57.9	71.6	58.4	57.3	12:31 AM	616595.00	67.9	6165950.02	67.9	6165950.02	691830.97
9:11:00	9:11:00	58	71.9	58.5	57.5	12:32 AM	630957.34	68	6309573.44	68.0	6309573.44	707945.78
9:12:00	9:12:00	58.2	72.2	58.8	57.6	12:33 AM	660693.45	68.2	6606934.48	68.2	6606934.48	758577.58
9:13:00	9:13:00	58.1	72.1	58.5	57.7	12:34 AM	645654.23	68.1	6456542.29	68.1	6456542.29	707945.78
9:14:00	9:14:00	58.5	72.6	58.4	57.5	12:35 AM	630957.34	68	6309573.44	68.0	6309573.44	691830.97
9:15:00	9:15:00	58	71.9	58.4	57.6	12:36 AM	630957.34	68	6309573.44	68.0	6309573.44	691830.97
9:16:00	9:16:00	58.3	87.6	64.1	57.5	12:37 AM	676082.98	68.3	6760829.75	68.3	6760829.75	2570395.78
9:17:00	9:17:00	59.3	84	64	58.1	12:38 AM	851138.04	69.3	8511380.38	69.3	8511380.38	2511886.43
9:18:00	9:18:00	58.3	72	58.9	57.7	12:39 AM	676082.98	68.3	6760829.75	68.3	6760829.75	776247.12
9:19:00	9:19:00	58.4	72.2	59	57.9	12:40 AM	691830.97	68.4	6918309.71	68.4	6918309.71	794328.23
9:20:00	9:20:00	58.1	71.8	58.7	57.7	12:41 AM	645654.23	68.1	6456542.29	68.1	6456542.29	741310.24
9:21:00	9:21:00	58.4	71.9	58.9	57.7	12:42 AM	691830.97	68.4	6918309.71	68.4	6918309.71	776247.12
9:22:00	9:22:00	58.6	72.3	58.9	57.9	12:43 AM	724435.96	68.6	7244359.60	68.6	7244359.60	776247.12
9:23:00	9:23:00	58.4	72.1	58.8	57.8	12:44 AM	691830.97	68.4	6918309.71	68.4	6918309.71	758577.58
9:24:00	9:24:00	58.3	71.6	58.9	57.9	12:45 AM	676082.98	68.3	6760829.75	68.3	6760829.75	776247.12
9:25:00	9:25:00	58.5	72.3	58.9	58	12:46 AM	707945.78	68.5	7079457.84	68.5	7079457.84	776247.12
9:26:00	9:26:00	58.6	72.3	59.1	58.3	12:47 AM	724435.96	68.6	7244359.60	68.6	7244359.60	812830.52
9:27:00	9:27:00	58.5	72.7	59	58.1	12:48 AM	707945.78	68.5	7079457.84	68.5	7079457.84	794328.23
9:28:00	9:28:00	59.8	87.2	64.1	58.7	12:49 AM	954992.59	69.8	9549925.86	69.8	9549925.86	2570395.78
9:29:00	9:29:00	58.5	71.9	59	58.1	12:50 AM	707945.78	68.5	7079457.84	68.5	7079457.84	794328.23
9:30:00	9:30:00	58.7	72.1	59.5	58.2	12:51 AM	741310.24	68.7	7413102.41	68.7	7413102.41	891250.94
9:31:00	9:31:00	58.7	72.1	59.1	58.4	12:52 AM	741310.24	68.7	7413102.41	68.7	7413102.41	812830.52
9:32:00	9:32:00	58.6	72.2	59.2	58.1	12:53 AM	724435.96	68.6	7244359.60	68.6	7244359.60	831763.77
9:33:00	9:33:00	58.7	72.1	59.2	57.9	12:54 AM	741310.24	68.7	7413102.41	68.7	7413102.41	831763.77
9:34:00	9:34:00	58.5	72.7	59	57.9	12:55 AM	707945.78	68.5	7079457.84	68.5	7079457.84	794328.23
9:35:00	9:35:00	58.9	72.7	59.5	58.2	12:56 AM	776247.12	68.9	7762471.17	68.9	7762471.17	891250.94
9:36:00	9:36:00	59	73.1	59.5	58.5	12:57 AM	794328.23	69	7943282.35	69.0	7943282.35	891250.94
9:37:00	9:37:00	58.7	72.7	59.2	58.2	12:58 AM	741310.24	68.7	7413102.41	68.7	7413102.41	831763.77
9:38:00	9:38:00	58.7	72.2	59.3	58.4	12:59 AM	741310.24	68.7	7413102.41	68.7	7413102.41	851138.04
9:39:00	9:39:00	59.1	74.5	60.9	58.4	1:00 AM	812830.52	69.1	8128305.16	69.1	8128305.16	1230268.77
9:40:00	9:40:00	58.8	72.7	59.2	58.4	1:01 AM	758577.58	68.8	7585775.75	68.8	7585775.75	831763.77
9:41:00	9:41:00	58.8	72.9	59.4	58.2	1:02 AM	758577.58	68.8	7585775.75	68.8	7585775.75	870963.59
9:42:00	9:42:00	58.7	73	58.9	58.2	1:03 AM	741310.24	68.7	7413102.41	68.7	7413102.41	776247.12
9:43:00	9:43:00	58.9	72.8	59.5	58.5	1:04 AM	776247.12	68.9	7762471.17	68.9	7762471.17	891250.94
9:44:00	9:44:00	58.9	72.8	59.3	58.5	1:05 AM	776247.12	68.9	7762471.17	68.9	7762471.17	851138.04
9:45:00	9:45:00	58.8	73.2	59.2	58.3	1:06 AM	758577.58	68.8	7585775.75	68.8	7585775.75	831763.77
9:46:00	9:46:00	58.9	72.6	59.3	58.4	1:07 AM	776247.12	68.9	7762471.17	68.9	7762471.17	851138.04
9:47:00	9:47:00	59.3	73.4	60.1	58.8	1:08 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1023292.99
9:48:00	9:48:00	58.7	72.3	59.5	58.3	1:09 AM	741310.24	68.7	7413102.41	68.7	7413102.41	891250.94
9:49:00	9:49:00	58.5	73.5	58.8	58	1:10 AM	707945.78	68.5	7079457.84	68.5	7079457.84	758577.58
9:50:00	9:50:00	59.1	73.2	60.3	58.6	1:11 AM	812830.52	69.1	8128305.16	69.1	8128305.16	1071519.31
9:51:00	9:51:00	59.6	73.2	61.4	58.6	1:12 AM	912010.84	69.6	9120108.39	69.6	9120108.39	1380384.26
9:52:00	9:52:00	59.3	73	60.3	58.7	1:13 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1071519.31
9:53:00	9:53:00	59	72.7	59.7	58.5	1:14 AM	794328.23	69	7943282.35	69.0	7943282.35	933254.30
9:54:00	9:54:00	59.1	72.8	59.8	58.6	1:15 AM	812830.52	69.1	8128305.16	69.1	8128305.16	954992.59
9:55:00	9:55:00	58.9	72.1	59.4	58.6	1:16 AM	776247.12	68.9	7762471.17	68.9	7762471.17	870963.59
9:56:00	9:56:00	59.1	73.4	60	58.5	1:17 AM	812830.52	69.1	8128305.16	69.1	8128305.16	1000000.00
9:57:00	9:57:00	58.7	72.7	59.3	58.2	1:18 AM	741310.24	68.7	7413102.41	68.7	7413102.41	851138.04
9:58:00	9:58:00	58.8	72.3	59.4	58.4	1:19 AM	758577.58	68.8	7585775.75	68.8	7585775.75	870963.59
9:59:00	9:59:00	59	73	59.3	58.6	1:20 AM	794328.23	69	7943282.35	69.0	7943282.35	851138.04
10:00:00	10:00:00	59	72.2	59.4	58.5	1:21 AM	794328.23	69	7943282.35	69.0	7943282.35	870963.59
10:01:00	10:01:00	59.1	72.8	59.7	58.6	1:22 AM	812830.52	69.1	8128305.16	69.1	8128305.16	93325

Data

10:26:00	10:26:00	59.3	73.1	60	58.7	1:47 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1000000.00
10:27:00	10:27:00	59.3	72.4	60	58.8	1:48 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1000000.00
10:28:00	10:28:00	59.2	73.6	59.8	58.5	1:49 AM	831763.77	69.2	8317637.71	69.2	8317637.71	954992.59
10:29:00	10:29:00	59.4	73.2	59.8	58.9	1:50 AM	870963.59	69.4	8709635.90	69.4	8709635.90	954992.59
10:30:00	10:30:00	59.5	72.9	60.2	58.8	1:51 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1047128.55
10:31:00	10:31:00	59.3	73.2	59.8	58.7	1:52 AM	851138.04	69.3	8511380.38	69.3	8511380.38	954992.59
10:32:00	10:32:00	59.5	73	60.3	58.8	1:53 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1071519.31
10:33:00	10:33:00	59.4	73.1	59.9	59	1:54 AM	870963.59	69.4	8709635.90	69.4	8709635.90	977237.22
10:34:00	10:34:00	59.4	73.3	60.1	58.9	1:55 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1023292.99
10:35:00	10:35:00	59.4	72.8	59.9	58.9	1:56 AM	870963.59	69.4	8709635.90	69.4	8709635.90	977237.22
10:36:00	10:36:00	59.3	72.9	59.8	58.8	1:57 AM	851138.04	69.3	8511380.38	69.3	8511380.38	954992.59
10:37:00	10:37:00	59.4	73.5	60	58.8	1:58 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1000000.00
10:38:00	10:38:00	59.2	73.2	59.9	58.6	1:59 AM	831763.77	69.2	8317637.71	69.2	8317637.71	977237.22
10:39:00	10:39:00	59.4	72.9	60	59	2:00 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1000000.00
10:40:00	10:40:00	59.5	73.3	60.2	59.1	2:01 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1047128.55
10:41:00	10:41:00	59.5	73.6	60.1	59.1	2:02 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1023292.99
10:42:00	10:42:00	59.5	74.3	60	59.2	2:03 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1000000.00
10:43:00	10:43:00	59.5	72.9	60.1	59.1	2:04 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1023292.99
10:44:00	10:44:00	59.5	73.6	61	58.8	2:05 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1258925.41
10:45:00	10:45:00	59.4	73.3	60	58.8	2:06 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1000000.00
10:46:00	10:46:00	59.4	73.6	61	58.8	2:07 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1258925.41
10:47:00	10:47:00	59.1	72.6	59.5	58.7	2:08 AM	812830.52	69.1	8128305.16	69.1	8128305.16	891250.94
10:48:00	10:48:00	59.3	73	59.8	58.8	2:09 AM	851138.04	69.3	8511380.38	69.3	8511380.38	954992.59
10:49:00	10:49:00	59.3	72.6	59.9	58.7	2:10 AM	851138.04	69.3	8511380.38	69.3	8511380.38	977237.22
10:50:00	10:50:00	59.1	72.6	59.8	58.6	2:11 AM	812830.52	69.1	8128305.16	69.1	8128305.16	954992.59
10:51:00	10:51:00	59	72.6	59.5	58.6	2:12 AM	794328.23	69	7943282.35	69.0	7943282.35	891250.94
10:52:00	10:52:00	59.2	73.7	59.9	58.6	2:13 AM	831763.77	69.2	8317637.71	69.2	8317637.71	977237.22
10:53:00	10:53:00	59.1	72.9	59.7	58.6	2:14 AM	812830.52	69.1	8128305.16	69.1	8128305.16	933254.30
10:54:00	10:54:00	59.3	73.8	59.7	58.8	2:15 AM	851138.04	69.3	8511380.38	69.3	8511380.38	933254.30
10:55:00	10:55:00	59.4	73.4	60	58.9	2:16 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1000000.00
10:56:00	10:56:00	59.3	73.1	59.9	58.9	2:17 AM	851138.04	69.3	8511380.38	69.3	8511380.38	977237.22
10:57:00	10:57:00	59.3	72.7	59.9	58.7	2:18 AM	851138.04	69.3	8511380.38	69.3	8511380.38	977237.22
10:58:00	10:58:00	59.4	72.8	59.9	58.7	2:19 AM	870963.59	69.4	8709635.90	69.4	8709635.90	977237.22
10:59:00	10:59:00	59.5	73.4	60.5	58.9	2:20 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1122018.45
11:00:00	11:00:00	59.1	72.9	59.9	58.6	2:21 AM	812830.52	69.1	8128305.16	69.1	8128305.16	977237.22
11:01:00	11:01:00	59	73	59.3	58.6	2:22 AM	794328.23	69	7943282.35	69.0	7943282.35	851138.04
11:02:00	11:02:00	59	72.8	59.7	58.5	2:23 AM	794328.23	69	7943282.35	69.0	7943282.35	933254.30
11:03:00	11:03:00	59.2	73	59.8	58.5	2:24 AM	831763.77	69.2	8317637.71	69.2	8317637.71	954992.59
11:04:00	11:04:00	58.9	72.8	59.9	58.3	2:25 AM	776247.12	68.9	7762471.17	68.9	7762471.17	977237.22
11:05:00	11:05:00	59.2	73.2	59.8	58.6	2:26 AM	831763.77	69.2	8317637.71	69.2	8317637.71	954992.59
11:06:00	11:06:00	59	72.6	59.6	58.4	2:27 AM	794328.23	69	7943282.35	69.0	7943282.35	912010.84
11:07:00	11:07:00	59	72.5	59.6	58.4	2:28 AM	794328.23	69	7943282.35	69.0	7943282.35	912010.84
11:08:00	11:08:00	59.1	73	59.5	58.6	2:29 AM	812830.52	69.1	8128305.16	69.1	8128305.16	891250.94
11:09:00	11:09:00	59.2	74.2	61.1	58.6	2:30 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1288249.55
11:10:00	11:10:00	59	72.9	59.7	58.5	2:31 AM	794328.23	69	7943282.35	69.0	7943282.35	933254.30
11:11:00	11:11:00	58.7	72.2	59.4	58.1	2:32 AM	741310.24	68.7	7413102.41	68.7	7413102.41	870963.59
11:12:00	11:12:00	58.9	72.7	59.6	58.2	2:33 AM	776247.12	68.9	7762471.17	68.9	7762471.17	912010.84
11:13:00	11:13:00	58.8	72.6	59.3	58.4	2:34 AM	758577.58	68.8	7585775.75	68.8	7585775.75	851138.04
11:14:00	11:14:00	58.5	72.6	59	58	2:35 AM	707945.78	68.5	7079457.84	68.5	7079457.84	794328.23
11:15:00	11:15:00	58.7	73.6	59.3	58.1	2:36 AM	741310.24	68.7	7413102.41	68.7	7413102.41	851138.04
11:16:00	11:16:00	58.8	72.3	59.7	58.3	2:37 AM	758577.58	68.8	7585775.75	68.8	7585775.75	933254.30
11:17:00	11:17:00	59	73.3	59.9	58.4	2:38 AM	794328.23	69	7943282.35	69.0	7943282.35	977237.22
11:18:00	11:18:00	58.9	72.8	59.4	58.4	2:39 AM	776247.12	68.9	7762471.17	68.9	7762471.17	870963.59
11:19:00	11:19:00	58.8	73	59.5	58.2	2:40 AM	758577.58	68.8	7585775.75	68.8	7585775.75	891250.94
11:20:00	11:20:00	58.9	72.7	59.6	58.5	2:41 AM	776247.12	68.9	7762471.17	68.9	7762471.17	912010.84
11:21:00	11:21:00	59	73.1	59.8	58.4	2:42 AM	794328.23	69	7943282.35	69.0	7943282.35	954992.59
11:22:00	11:22:00	58.9	73	59.6	58.4	2:43 AM	776247.12	68.9	7762471.17	68.9	7762471.17	912010.84
11:23:00	11:23:00	58.8	72.3	59.3	58.1	2:44 AM	758577.58	68.8	7585775.75	68.8	7585775.75	851138.04
11:24:00	11:24:00	58.7	72.4	59.3	58.2	2:45 AM	741310.24	68.7	7413102.41	68.7	7413102.41	851138.04
11:25:00	11:25:00	58.6	72.3	59.3	58	2:46 AM	724435.96	68.6	7244359.60	68.6	7244359.60	851138.04
11:26:00	11:26:00	58.3	73	58.9	57.4	2:47 AM	676082.97	68.3	6760829.75	68.3	6760829.75	776247.12
11:27:00	11:27:00	58.7	72.5	59.3	57.8	2:48 AM	741310.24	68.7	7413102.41	68.7	7413102.41	851138.04
11:28:00	11:28:00	58.8	72.8	59.5	58.3	2:49 AM	758577.58	68.8	7585775.75	68.8	7585775.75	891250.94
11:29:00	11:29:00	58.8	73.8	59.1	58.3	2:50 AM	758577.58	68.8	7585775.75	68.8	7585775.75	812830.52
11:30:00	11:30:00	58.9	72.3	59.4	58.3	2:51 AM	776247.12	68.9	7762471.17	68.9	7762471.17	870963.59
11:31:00	11:31:00	58.9	73.1	59.3	58.5	2:52 AM	776247.12	68.9	7762471.17	68.9	7762471.17	851138.04
11:32:00	11:32:00	58.9	72.3	59.2	58.5	2:53 AM	776247.12	68.9	7762471.17	68.9	7762471.17	831763.77
11:33:00	11:33:00	58.8	72.4	59.4	58.4	2:54 AM	758577.58	68.8	7585775.75	68.8	7585775.75	870963.59
11:34:00	11:34:00	58.8	73.4	59.4	58.4	2:55 AM	758577.58	68.8	7585775.75	68.8	7585775.75	870963.59
11:35:00	11:35:00	58.8	73.2	59.2	58.3	2:56 AM	758577.58	68.8	7585775.75	68.8	7585775.75	831763.77
11:36:00	11:36:00	58.7	72.5	59.3	58	2:57 AM	741310.24	68.7	7413102.41	68.7	7413102.41	851138.04
11:37:00	11:37:00	58.5	72.7	59.1	58.1	2:58 AM	707945.78	68.5	7079457.84	68.5	7079457.84	812830.52
11:38:00	11:38:00	59	72.6	59.3	58.5	2:59 AM	794328.23	69	7943282.35	69.0	7943282.35	851138.04
11:39:00	11:39:00	58.9	72.7	59.3	58.4	3:00 AM	776247.12	68.9	7762471.17	68.9	7762471.17	851138.04
11:40:00	11:40:00	58.9	72.9	59.5	58.4	3:01 AM	776247.12	68.9	7762471.17	68.9	7762471.17	891250.94
11:41:00	11:41:00	59	73.4	60.3	58.5	3:02 AM	794328.23	69	7943282.35	69.0	7943282.35	1071519.31
11:42:00	11:42:00	60.5	75.9	62.7	58.7	3:03 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	1862087.14
11:43:00	11:43:00	58.9	72.8	59.4	58.5	3:04 AM	776247.12	68.9	7762471.17	68.9	7762471.17	870963.59
11:44:00	11:44:00	58.9	72.1	59.4	58.4	3:05 AM	776247.12	68.9	7762471.17	68.9	7762471.17	870963.59
11:45:00	11:45:00	58.8	72.5	59.4	58.3	3:06 AM	758577.58	68.8	7585775.75	68.8	7585775.75	870963.59
11:46:00	11:46:00											

12:11:00	12:11:00	56.1	70.1	56.6	55.7	3:32 AM	407380.28	66.1	407380.28	66.1	407380.28	457088.19
12:12:00	12:12:00	56.2	70.5	56.8	55.5	3:33 AM	416869.38	66.2	416869.38	66.2	416869.38	478630.09
12:13:00	12:13:00	55.9	70.2	56.5	55.5	3:34 AM	389045.14	65.9	389045.14	65.9	389045.14	446683.59
12:14:00	12:14:00	56.2	70	57	55.6	3:35 AM	416869.38	66.2	416869.38	66.2	416869.38	501187.23
12:15:00	12:15:00	56	70.1	56.6	55.5	3:36 AM	398107.17	66	398107.17	66.0	398107.17	457088.19
12:16:00	12:16:00	55.9	69.6	56.5	55.4	3:37 AM	389045.14	65.9	389045.14	65.9	389045.14	446683.59
12:17:00	12:17:00	56	70.7	56.9	55.4	3:38 AM	398107.17	66	398107.17	66.0	398107.17	489778.82
12:18:00	12:18:00	56.1	76.4	57.9	54	3:39 AM	407380.28	66.1	407380.28	66.1	407380.28	616595.00
12:19:00	12:19:00	54.8	81.1	58.8	53.1	3:40 AM	301995.17	64.8	301995.17	64.8	301995.17	758577.58
12:20:00	12:20:00	53.8	69.5	54.7	53.1	3:41 AM	239883.29	63.8	239883.29	63.8	239883.29	295120.92
12:21:00	12:21:00	53.5	67.3	54.6	53	3:42 AM	223872.11	63.5	223872.11	63.5	223872.11	288403.15
12:22:00	12:22:00	54.1	68.5	55.1	53.3	3:43 AM	257039.58	64.1	257039.58	64.1	257039.58	323593.66
12:23:00	12:23:00	53.8	68.4	55	53.1	3:44 AM	239883.29	63.8	239883.29	63.8	239883.29	316227.77
12:24:00	12:24:00	54.2	73.7	58.8	53.1	3:45 AM	263026.80	64.2	263026.79	64.2	263026.79	758577.58
12:25:00	12:25:00	53.8	67.7	54.5	53.1	3:46 AM	239883.29	63.8	239883.29	63.8	239883.29	281838.29
12:26:00	12:26:00	53.8	67.7	54.6	53.1	3:47 AM	239883.29	63.8	239883.29	63.8	239883.29	288403.15
12:27:00	12:27:00	53.8	67.8	54.8	53.1	3:48 AM	239883.29	63.8	239883.29	63.8	239883.29	301995.17
12:28:00	12:28:00	53.4	67.2	53.9	53	3:49 AM	218776.16	63.4	218776.16	63.4	218776.16	245470.89
12:29:00	12:29:00	54	68.3	54.5	53.3	3:50 AM	251188.64	64	251188.64	64.0	251188.64	281838.29
12:30:00	12:30:00	53.8	67.4	54.5	53.2	3:51 AM	239883.29	63.8	239883.29	63.8	239883.29	281838.29
12:31:00	12:31:00	54	71.2	57.7	53.2	3:52 AM	251188.64	64	251188.64	64.0	251188.64	588843.66
12:32:00	12:32:00	53.7	67.4	54.5	53.3	3:53 AM	234422.88	63.7	234422.88	63.7	234422.88	281838.29
12:33:00	12:33:00	54	67.3	54.8	53.3	3:54 AM	251188.64	64	251188.64	64.0	251188.64	301995.17
12:34:00	12:34:00	54	67.5	54.7	53.1	3:55 AM	251188.64	64	251188.64	64.0	251188.64	295120.92
12:35:00	12:35:00	53.7	67.6	54.3	53.1	3:56 AM	234422.88	63.7	234422.88	63.7	234422.88	269153.48
12:36:00	12:36:00	53.7	68.2	54.4	53.2	3:57 AM	234422.88	63.7	234422.88	63.7	234422.88	275422.87
12:37:00	12:37:00	54	67.3	55.5	53	3:58 AM	251188.64	64	251188.64	64.0	251188.64	354813.39
12:38:00	12:38:00	53.5	67.9	54.6	52.8	3:59 AM	223872.11	63.5	223872.11	63.5	223872.11	288403.15
12:39:00	12:39:00	53.8	68.2	55.6	53	4:00 AM	239883.29	63.8	239883.29	63.8	239883.29	363078.05
12:40:00	12:40:00	53.4	67.8	54	52.9	4:01 AM	218776.16	63.4	218776.16	63.4	218776.16	251188.64
12:41:00	12:41:00	53.1	66.5	53.7	52.7	4:02 AM	204173.79	63.1	204173.79	63.1	204173.79	234422.88
12:42:00	12:42:00	53.5	67.3	54.4	52.9	4:03 AM	223872.11	63.5	223872.11	63.5	223872.11	275422.87
12:43:00	12:43:00	53.5	66.8	54.3	52.8	4:04 AM	223872.11	63.5	223872.11	63.5	223872.11	269153.48
12:44:00	12:44:00	53.2	66.8	53.7	52.8	4:05 AM	208929.61	63.2	208929.61	63.2	208929.61	234422.88
12:45:00	12:45:00	53.5	67.4	54	53.1	4:06 AM	223872.11	63.5	223872.11	63.5	223872.11	251188.64
12:46:00	12:46:00	53.5	67.4	54.3	52.9	4:07 AM	223872.11	63.5	223872.11	63.5	223872.11	269153.48
12:47:00	12:47:00	53.3	66.8	54.1	52.7	4:08 AM	213796.21	63.3	213796.20	63.3	213796.20	257039.58
12:48:00	12:48:00	53.5	67	54.1	53.1	4:09 AM	223872.11	63.5	223872.11	63.5	223872.11	257039.58
12:49:00	12:49:00	53.3	67.1	54.1	52.9	4:10 AM	213796.21	63.3	213796.20	63.3	213796.20	257039.58
12:50:00	12:50:00	53.2	67.9	53.6	52.8	4:11 AM	208929.61	63.2	208929.61	63.2	208929.61	229086.77
12:51:00	12:51:00	53.2	66.7	53.9	52.8	4:12 AM	208929.61	63.2	208929.61	63.2	208929.61	245470.89
12:52:00	12:52:00	53.4	66.9	54.1	52.7	4:13 AM	218776.16	63.4	218776.16	63.4	218776.16	257039.58
12:53:00	12:53:00	53.3	67.7	53.7	52.9	4:14 AM	213796.21	63.3	213796.20	63.3	213796.20	234422.88
12:54:00	12:54:00	53.4	67.5	53.9	53	4:15 AM	218776.16	63.4	218776.16	63.4	218776.16	245470.89
12:55:00	12:55:00	53.3	67.8	53.7	52.8	4:16 AM	213796.21	63.3	213796.20	63.3	213796.20	234422.88
12:56:00	12:56:00	53.1	67.5	53.6	52.8	4:17 AM	204173.79	63.1	204173.79	63.1	204173.79	229086.77
12:57:00	12:57:00	53	66.9	53.4	52.5	4:18 AM	199526.23	63	199526.23	63.0	199526.23	218776.16
12:58:00	12:58:00	53	66	53.6	52.6	4:19 AM	199526.23	63	199526.23	63.0	199526.23	229086.77
12:59:00	12:59:00	53.1	70.4	54.1	52.6	4:20 AM	204173.79	63.1	204173.79	63.1	204173.79	257039.58
13:00:00	13:00:00	53.1	66.9	53.8	52.6	4:21 AM	204173.79	63.1	204173.79	63.1	204173.79	239883.29
13:01:00	13:01:00	53.1	67.3	53.8	52.7	4:22 AM	204173.79	63.1	204173.79	63.1	204173.79	239883.29
13:02:00	13:02:00	53.4	67.4	54.2	52.9	4:23 AM	218776.16	63.4	218776.16	63.4	218776.16	263026.80
13:03:00	13:03:00	53.5	67.3	54.9	53	4:24 AM	223872.11	63.5	223872.11	63.5	223872.11	309029.54
13:04:00	13:04:00	53.6	67.2	54.6	53	4:25 AM	229086.77	63.6	229086.75	63.6	229086.75	288403.15
13:05:00	13:05:00	53.6	67.6	54.4	53	4:26 AM	229086.77	63.6	229086.75	63.6	229086.75	275422.87
13:06:00	13:06:00	54	67.2	54.9	53.3	4:27 AM	251188.64	64	251188.64	64.0	251188.64	309029.54
13:07:00	13:07:00	53.8	66.9	54.4	53.3	4:28 AM	239883.29	63.8	239883.29	63.8	239883.29	275422.87
13:08:00	13:08:00	53.8	67	54.6	53.1	4:29 AM	239883.29	63.8	239883.29	63.8	239883.29	288403.15
13:09:00	13:09:00	53.4	66.4	54.2	52.7	4:30 AM	218776.16	63.4	218776.16	63.4	218776.16	263026.80
13:10:00	13:10:00	53.6	66.7	54.4	53	4:31 AM	229086.77	63.6	229086.75	63.6	229086.75	275422.87
13:11:00	13:11:00	53.5	67	54.1	53	4:32 AM	223872.11	63.5	223872.11	63.5	223872.11	257039.58
13:12:00	13:12:00	53.3	67.7	54.4	53.1	4:33 AM	234422.88	63.7	234422.88	63.7	234422.88	275422.87
13:13:00	13:13:00	53.7	77.1	54.5	53.2	4:34 AM	234422.88	63.7	234422.88	63.7	234422.88	281838.29
13:14:00	13:14:00	53.7	67.3	54.6	53.1	4:35 AM	234422.88	63.7	234422.88	63.7	234422.88	288403.15
13:15:00	13:15:00	53.7	67.6	54.8	53.2	4:36 AM	234422.88	63.7	234422.88	63.7	234422.88	301995.17
13:16:00	13:16:00	54.1	67.2	55.2	53.5	4:37 AM	257039.58	64.1	257039.58	64.1	257039.58	331131.12
13:17:00	13:17:00	53.7	71.2	54.5	53.1	4:38 AM	234422.88	63.7	234422.88	63.7	234422.88	281838.29
13:18:00	13:18:00	53.7	67.3	55.1	52.9	4:39 AM	234422.88	63.7	234422.88	63.7	234422.88	323593.66
13:19:00	13:19:00	53.7	67.3	54.7	53.2	4:40 AM	234422.88	63.7	234422.88	63.7	234422.88	295120.92
13:20:00	13:20:00	54	71.4	55	53.2	4:41 AM	251188.64	64	251188.64	64.0	251188.64	316227.77
13:21:00	13:21:00	53.7	67.1	54.4	53.2	4:42 AM	234422.88	63.7	234422.88	63.7	234422.88	275422.87
13:22:00	13:22:00	53.9	68.9	54.8	53.1	4:43 AM	245470.89	63.9	245470.89	63.9	245470.89	301995.17
13:23:00	13:23:00	53.8	68	54.4	53.1	4:44 AM	239883.29	63.8	239883.29	63.8	239883.29	275422.87
13:24:00	13:24:00	53.9	67.3	54.6	53.2	4:45 AM	245470.89	63.9	245470.89	63.9	245470.89	288403.15
13:25:00	13:25:00	54.1	67.2	54.8	53.3	4:46 AM	257039.58	64.1	257039.58	64.1	257039.58	301995.17
13:26:00	13:26:00	53.8	67.6	54.7	53.2	4:47 AM	239883.29	63.8	239883.29	63.8	239883.29	295120.92
13:27:00	13:27:00	53.9	67.6	55.4	53.1	4:48 AM	245470.89	63.9	245470.89	63.9	245470.89	346736.85
13:28:00	13:28:00	53.5	67.4	54	52.9	4:49 AM	223872.11	63.5	223872.11	63.5	223872.11	251188.64
13:29:00	13:29:00	53.4	67	53.8	52.9	4:50 AM	218776.16	63.4	218776.16	63.4	218776.16	239883.29
13:30:00	13:30:00	53.2	67	53.7	52.8	4:51 AM	208929.61	63.2	208929.61	63.2	208929.61	234422.88
13:31:00	13:31:00	53.4	67.1	54.2	52.8	4:52 AM	218776.16	63.4	218776.16	63.4	218776.16	263026.80
13:32:00	13:32:00	53.7	66.7	54.7	53.2	4:53 AM	234422.88	63				

Data

13:56:00	13:56:00	54.5	68.3	55.6	53.7	5:17 AM	281838.29	64.5	2818382.93	64.5	2818382.93	363078.05
13:57:00	13:57:00	54.1	68.4	55.1	53.6	5:18 AM	257039.58	64.1	2570395.78	64.1	2570395.78	323593.66
13:58:00	13:58:00	54.3	68.2	54.6	53.8	5:19 AM	269153.48	64.3	2691534.80	64.3	2691534.80	288403.15
13:59:00	13:59:00	54.5	68.8	55.2	53.9	5:20 AM	281838.29	64.5	2818382.93	64.5	2818382.93	331131.12
14:00:00	14:00:00	54.5	71.1	55.1	53.9	5:21 AM	281838.29	64.5	2818382.93	64.5	2818382.93	323593.66
14:01:00	14:01:00	54.6	69.9	55.2	54.2	5:22 AM	288403.15	64.6	2884031.50	64.6	2884031.50	331131.12
14:02:00	14:02:00	54.7	68.6	55.6	53.9	5:23 AM	295120.92	64.7	2951209.23	64.7	2951209.23	363078.05
14:03:00	14:03:00	54.7	68.7	55.4	53.8	5:24 AM	295120.92	64.7	2951209.23	64.7	2951209.23	346736.85
14:04:00	14:04:00	54.5	68	55	53.9	5:25 AM	281838.29	64.5	2818382.93	64.5	2818382.93	316227.77
14:05:00	14:05:00	55	68.5	55.7	54.3	5:26 AM	316227.77	65	3162277.66	65.0	3162277.66	371535.23
14:06:00	14:06:00	54.5	69	55.4	53.7	5:27 AM	281838.29	64.5	2818382.93	64.5	2818382.93	346736.85
14:07:00	14:07:00	54.7	68.9	55.5	54	5:28 AM	295120.92	64.7	2951209.23	64.7	2951209.23	354813.39
14:08:00	14:08:00	54.8	69.2	55.6	54.1	5:29 AM	301995.17	64.8	3019951.72	64.8	3019951.72	363078.05
14:09:00	14:09:00	54.8	68.1	55.7	54.2	5:30 AM	301995.17	64.8	3019951.72	64.8	3019951.72	371535.23
14:10:00	14:10:00	54.6	68.3	55.4	53.9	5:31 AM	288403.15	64.6	2884031.50	64.6	2884031.50	346736.85
14:11:00	14:11:00	54.9	71.7	57	54.3	5:32 AM	309029.54	64.9	3090295.43	64.9	3090295.43	501187.23
14:12:00	14:12:00	54.6	68.2	55	54	5:33 AM	288403.15	64.6	2884031.50	64.6	2884031.50	316227.77
14:13:00	14:13:00	54.6	68.2	55.3	54	5:34 AM	288403.15	64.6	2884031.50	64.6	2884031.50	338844.16
14:14:00	14:14:00	54.7	68	55.4	54.3	5:35 AM	295120.92	64.7	2951209.23	64.7	2951209.23	346736.85
14:15:00	14:15:00	54.6	67.7	55.4	54.1	5:36 AM	288403.15	64.6	2884031.50	64.6	2884031.50	346736.85
14:16:00	14:16:00	54.4	69.1	55.1	53.8	5:37 AM	275422.87	64.4	2754228.70	64.4	2754228.70	323593.66
14:17:00	14:17:00	54.4	67.9	55.1	54	5:38 AM	275422.87	64.4	2754228.70	64.4	2754228.70	323593.66
14:18:00	14:18:00	54.7	68.9	55.4	54.2	5:39 AM	295120.92	64.7	2951209.23	64.7	2951209.23	346736.85
14:19:00	14:19:00	54.7	68.9	55.6	54.1	5:40 AM	295120.92	64.7	2951209.23	64.7	2951209.23	363078.05
14:20:00	14:20:00	55.1	68.8	55.6	54.4	5:41 AM	323593.66	65.1	3235936.57	65.1	3235936.57	363078.05
14:21:00	14:21:00	55.1	69.8	56.1	54.6	5:42 AM	323593.66	65.1	3235936.57	65.1	3235936.57	407380.28
14:22:00	14:22:00	55.3	69.5	56.6	54.6	5:43 AM	338844.16	65.3	3388441.56	65.3	3388441.56	457088.19
14:23:00	14:23:00	55.1	69	55.5	54.6	5:44 AM	323593.66	65.1	3235936.57	65.1	3235936.57	354813.39
14:24:00	14:24:00	55.3	69	55.8	54.8	5:45 AM	338844.16	65.3	3388441.56	65.3	3388441.56	380189.40
14:25:00	14:25:00	55	69.1	56.2	54.6	5:46 AM	316227.77	65	3162277.66	65.0	3162277.66	416869.38
14:26:00	14:26:00	55.1	68.7	55.8	54.4	5:47 AM	323593.66	65.1	3235936.57	65.1	3235936.57	380189.40
14:27:00	14:27:00	54.8	68.9	55.4	54	5:48 AM	301995.17	64.8	3019951.72	64.8	3019951.72	346736.85
14:28:00	14:28:00	55.1	69.5	56.4	54.4	5:49 AM	323593.66	65.1	3235936.57	65.1	3235936.57	436515.83
14:29:00	14:29:00	55	70	55.9	54.3	5:50 AM	316227.77	65	3162277.66	65.0	3162277.66	389045.14
14:30:00	14:30:00	54.7	69.3	55.5	54.2	5:51 AM	295120.92	64.7	2951209.23	64.7	2951209.23	354813.39
14:31:00	14:31:00	54.7	68.3	55.3	54.2	5:52 AM	295120.92	64.7	2951209.23	64.7	2951209.23	338844.16
14:32:00	14:32:00	54.4	68.6	55.1	54	5:53 AM	275422.87	64.4	2754228.70	64.4	2754228.70	323593.66
14:33:00	14:33:00	54.7	68.7	55.3	54.3	5:54 AM	295120.92	64.7	2951209.23	64.7	2951209.23	338844.16
14:34:00	14:34:00	54.5	68.9	55	54	5:55 AM	281838.29	64.5	2818382.93	64.5	2818382.93	316227.77
14:35:00	14:35:00	54.7	69.3	55.4	54.1	5:56 AM	295120.92	64.7	2951209.23	64.7	2951209.23	346736.85
14:36:00	14:36:00	54.8	70.5	55.6	53.8	5:57 AM	301995.17	64.8	3019951.72	64.8	3019951.72	363078.05
14:37:00	14:37:00	54.8	68.9	55.7	53.7	5:58 AM	301995.17	64.8	3019951.72	64.8	3019951.72	371535.23
14:38:00	14:38:00	54.5	69.5	55.4	53.9	5:59 AM	281838.29	64.5	2818382.93	64.5	2818382.93	346736.85
14:39:00	14:39:00	54.7	68.8	55.3	53.8	6:00 AM	295120.92	64.7	2951209.23	64.7	2951209.23	338844.16
14:40:00	14:40:00	54.8	68.4	55.6	54	6:01 AM	301995.17	64.8	3019951.72	64.8	3019951.72	363078.05
14:41:00	14:41:00	54.9	68.2	55.7	54	6:02 AM	309029.54	64.9	3090295.43	64.9	3090295.43	371535.23
14:42:00	14:42:00	54.7	69.5	55.9	54	6:03 AM	295120.92	64.7	2951209.23	64.7	2951209.23	389045.14
14:43:00	14:43:00	54.4	68.6	55.2	53.8	6:04 AM	275422.87	64.4	2754228.70	64.4	2754228.70	331131.12
14:44:00	14:44:00	55.5	79.9	62.1	53.5	6:05 AM	354813.39	65.5	3548133.89	65.5	3548133.89	1621810.10
14:45:00	14:45:00	53.9	68.2	54.4	53.6	6:06 AM	245470.89	63.9	2454708.92	63.9	2454708.92	275422.87
14:46:00	14:46:00	54	69.1	54.5	53.6	6:07 AM	251188.64	64	2511886.43	64.0	2511886.43	281838.29
14:47:00	14:47:00	54.1	68	54.8	53.6	6:08 AM	257039.58	64.1	2570395.78	64.1	2570395.78	301995.17
14:48:00	14:48:00	54.3	68.5	55	53.8	6:09 AM	269153.48	64.3	2691534.80	64.3	2691534.80	316227.77
14:49:00	14:49:00	54.4	68.5	55.6	53.3	6:10 AM	275422.87	64.4	2754228.70	64.4	2754228.70	363078.05
14:50:00	14:50:00	54.2	68	55	53.6	6:11 AM	263026.80	64.2	2630267.99	64.2	2630267.99	316227.77
14:51:00	14:51:00	54.4	68.5	55	53.9	6:12 AM	275422.87	64.4	2754228.70	64.4	2754228.70	316227.77
14:52:00	14:52:00	54.4	68.5	55	53.9	6:13 AM	275422.87	64.4	2754228.70	64.4	2754228.70	316227.77
14:53:00	14:53:00	54.7	69.2	55.2	54.3	6:14 AM	295120.92	64.7	2951209.23	64.7	2951209.23	331131.12
14:54:00	14:54:00	54.9	68.5	55.5	54.2	6:15 AM	309029.54	64.9	3090295.43	64.9	3090295.43	354813.39
14:55:00	14:55:00	54.2	67.9	55.2	53.6	6:16 AM	263026.80	64.2	2630267.99	64.2	2630267.99	331131.12
14:56:00	14:56:00	54.2	67.8	55.1	53.6	6:17 AM	263026.80	64.2	2630267.99	64.2	2630267.99	323593.66
14:57:00	14:57:00	54.2	68.2	56.4	53.6	6:18 AM	263026.80	64.2	2630267.99	64.2	2630267.99	436515.83
14:58:00	14:58:00	54.6	69.2	57.4	53.7	6:19 AM	288403.15	64.6	2884031.50	64.6	2884031.50	549540.87
14:59:00	14:59:00	54.0	68.6	55.6	53.8	6:20 AM	275422.87	64.4	2754228.70	64.4	2754228.70	363078.05
15:00:00	15:00:00	55.1	70.4	56.5	54	6:21 AM	323593.66	65.1	3235936.57	65.1	3235936.57	446683.59
15:01:00	15:01:00	54.3	69	56	53.7	6:22 AM	269153.48	64.3	2691534.80	64.3	2691534.80	398107.17
15:02:00	15:02:00	54.5	68.1	55.4	53.8	6:23 AM	281838.29	64.5	2818382.93	64.5	2818382.93	346736.85
15:03:00	15:03:00	54.3	68.4	54.8	53.9	6:24 AM	269153.48	64.3	2691534.80	64.3	2691534.80	301995.17
15:04:00	15:04:00	54.3	67.7	55	53.8	6:25 AM	269153.48	64.3	2691534.80	64.3	2691534.80	316227.77
15:05:00	15:05:00	54.2	67.9	55	53.5	6:26 AM	263026.80	64.2	2630267.99	64.2	2630267.99	316227.77
15:06:00	15:06:00	54.7	68.3	55.4	54.1	6:27 AM	295120.92	64.7	2951209.23	64.7	2951209.23	346736.85
15:07:00	15:07:00	54.5	67.9	55.5	53.8	6:28 AM	281838.29	64.5	2818382.93	64.5	2818382.93	354813.39
15:08:00	15:08:00	54.4	68.8	55.6	53.7	6:29 AM	275422.87	64.4	2754228.70	64.4	2754228.70	363078.05
15:09:00	15:09:00	54.3	68.1	55.1	53.8	6:30 AM	269153.48	64.3	2691534.80	64.3	2691534.80	323593.66
15:10:00	15:10:00	54.4	68.3	55.1	53.7	6:31 AM	275422.87	64.4	2754228.70	64.4	2754228.70	323593.66
15:11:00	15:11:00	54.2	68.3	55.3	53.6	6:32 AM	263026.80	64.2	2630267.99	64.2	2630267.99	338844.16
15:12:00	15:12:00	54.2	68.3	55	53.6	6:33 AM	263026.80	64.2	2630267.99	64.2	2630267.99	316227.77
15:13:00	15:13:00	54.5	69.2	55.8	53.8	6:34 AM	281838.29	64.5	2818382.93	64.5	2818382.93	380189.40
15:14:00	15:14:00	54.5	68.8	55.4	54	6:35 AM	281838.29	64.5	2818382.93	64.5	2818382.93	346736.85
15:15:00	15:15:00	54.2	68.1	54.6	53.9	6:36 AM	263026.80	64.2	2630267.99	64.2	2630267.99	288403.15
15:16:00	15:16:00	54.4	68.3</									

15:41:00	15:41:00	53.7	67.3	54.4	53.2	7:02 AM	234422.88	53.7	234422.88	53.7	234422.88	275422.87
15:42:00	15:42:00	54	67.7	54.7	53.4	7:03 AM	251188.64	54	251188.64	54.0	251188.64	295120.92
15:43:00	15:43:00	54.7	80.6	59.5	53.1	7:04 AM	295120.92	54.7	295120.92	54.7	295120.92	891250.94
15:44:00	15:44:00	53.7	67.5	54.4	53.3	7:05 AM	234422.88	53.7	234422.88	53.7	234422.88	275422.87
15:45:00	15:45:00	53.5	68	54.4	53.1	7:06 AM	223872.11	53.5	223872.11	53.5	223872.11	275422.87
15:46:00	15:46:00	53.7	67.5	54.6	53.2	7:07 AM	234422.88	53.7	234422.88	53.7	234422.88	288403.15
15:47:00	15:47:00	53.8	69.7	56.4	52.8	7:08 AM	239883.29	53.8	239883.29	53.8	239883.29	436515.83
15:48:00	15:48:00	54.1	68.7	56.7	53.1	7:09 AM	257039.58	54.1	257039.58	54.1	257039.58	467735.14
15:49:00	15:49:00	53.6	68.2	54.9	53	7:10 AM	229086.77	53.6	229086.77	53.6	229086.77	309029.54
15:50:00	15:50:00	53.5	67	54	53	7:11 AM	223872.11	53.5	223872.11	53.5	223872.11	251188.64
15:51:00	15:51:00	53.4	69.4	54.2	52.8	7:12 AM	218776.16	53.4	218776.16	53.4	218776.16	263026.80
15:52:00	15:52:00	53.4	68.6	54.1	53	7:13 AM	218776.16	53.4	218776.16	53.4	218776.16	257039.58
15:53:00	15:53:00	53.4	68.9	54	53	7:14 AM	218776.16	53.4	218776.16	53.4	218776.16	251188.64
15:54:00	15:54:00	53.8	68.7	55	52.9	7:15 AM	239883.29	53.8	239883.29	53.8	239883.29	316227.77
15:55:00	15:55:00	55.5	72.9	58.8	53.8	7:16 AM	354813.39	55.5	354813.39	55.5	354813.39	758577.58
15:56:00	15:56:00	53.9	69	54.6	53	7:17 AM	245470.89	53.9	245470.89	53.9	245470.89	288403.15
15:57:00	15:57:00	53.6	69.8	54.3	53.1	7:18 AM	229086.77	53.6	229086.77	53.6	229086.77	269153.48
15:58:00	15:58:00	56	71.6	59	53.5	7:19 AM	398107.17	56	398107.17	56.0	398107.17	794328.23
15:59:00	15:59:00	54.1	71	57.1	52.8	7:20 AM	257039.58	54.1	257039.58	54.1	257039.58	512861.38
16:00:00	16:00:00	53.5	67.3	55	52.9	7:21 AM	223872.11	53.5	223872.11	53.5	223872.11	316227.77
16:01:00	16:01:00	53.5	67.1	54.4	52.9	7:22 AM	223872.11	53.5	223872.11	53.5	223872.11	275422.87
16:02:00	16:02:00	53.8	67.9	55.2	53	7:23 AM	239883.29	53.8	239883.29	53.8	239883.29	331131.12
16:03:00	16:03:00	53.5	68.1	54.3	52.9	7:24 AM	223872.11	53.5	223872.11	53.5	223872.11	269153.48
16:04:00	16:04:00	56.2	74.2	60.3	53.1	7:25 AM	416869.38	56.2	416869.38	56.2	416869.38	1071519.31
16:05:00	16:05:00	53.3	66.9	53.9	52.6	7:26 AM	213796.21	53.3	213796.21	53.3	213796.21	245470.89
16:06:00	16:06:00	53.5	67.5	54.1	53	7:27 AM	223872.11	53.5	223872.11	53.5	223872.11	257039.58
16:07:00	16:07:00	53.4	67.1	53.9	52.8	7:28 AM	218776.16	53.4	218776.16	53.4	218776.16	245470.89
16:08:00	16:08:00	54.5	69.8	57.1	53.1	7:29 AM	281838.29	54.5	281838.29	54.5	281838.29	512861.38
16:09:00	16:09:00	56.6	74.7	60.6	53.4	7:30 AM	457088.19	56.6	457088.19	56.6	457088.19	1148153.62
16:10:00	16:10:00	53.4	67.2	54.3	52.9	7:31 AM	218776.16	53.4	218776.16	53.4	218776.16	269153.48
16:11:00	16:11:00	53.5	67.1	54.1	52.7	7:32 AM	223872.11	53.5	223872.11	53.5	223872.11	257039.58
16:12:00	16:12:00	53.6	67	54.7	52.9	7:33 AM	229086.77	53.6	229086.77	53.6	229086.77	295120.92
16:13:00	16:13:00	56.3	73.6	60.3	53.3	7:34 AM	426579.52	56.3	426579.52	56.3	426579.52	1071519.31
16:14:00	16:14:00	55.5	72	60.3	53.8	7:35 AM	354813.39	55.5	354813.39	55.5	354813.39	1071519.31
16:15:00	16:15:00	56.9	73.8	60.3	53.4	7:36 AM	489778.82	56.9	489778.82	56.9	489778.82	1071519.31
16:16:00	16:16:00	55.6	74.4	60.3	52.8	7:37 AM	363078.05	55.6	363078.05	55.6	363078.05	1071519.31
16:17:00	16:17:00	53.9	67.6	55	53.1	7:38 AM	245470.89	53.9	245470.89	53.9	245470.89	316227.77
16:18:00	16:18:00	54.1	69.4	56	53.3	7:39 AM	257039.58	54.1	257039.58	54.1	257039.58	398107.17
16:19:00	16:19:00	56.5	74.3	60.7	53.1	7:40 AM	446683.59	56.5	446683.59	56.5	446683.59	1174897.55
16:20:00	16:20:00	53.4	67.7	54.2	52.9	7:41 AM	218776.16	53.4	218776.16	53.4	218776.16	263026.80
16:21:00	16:21:00	54.5	72.5	57.4	53	7:42 AM	281838.29	54.5	281838.29	54.5	281838.29	549540.87
16:22:00	16:22:00	54	70	55.7	53	7:43 AM	251188.64	54	251188.64	54.0	251188.64	371535.23
16:23:00	16:23:00	54	74.7	55.6	53	7:44 AM	251188.64	54	251188.64	54.0	251188.64	363078.05
16:24:00	16:24:00	56	74.8	60.6	52.9	7:45 AM	398107.17	56	398107.17	56.0	398107.17	1148153.62
16:25:00	16:25:00	56.5	82.2	62.7	52.8	7:46 AM	446683.59	56.5	446683.59	56.5	446683.59	1862087.14
16:26:00	16:26:00	53.3	67.3	54.1	52.7	7:47 AM	213796.21	53.3	213796.21	53.3	213796.21	257039.58
16:27:00	16:27:00	53.1	66.9	53.6	52.8	7:48 AM	204173.79	53.1	204173.79	53.1	204173.79	229086.77
16:28:00	16:28:00	53.4	68.6	55.5	52.7	7:49 AM	218776.16	53.4	218776.16	53.4	218776.16	354813.39
16:29:00	16:29:00	53.4	82.1	62	53	7:50 AM	346736.85	53.4	346736.85	53.4	346736.85	1584893.19
16:30:00	16:30:00	53.7	67.3	54.3	53.1	7:51 AM	234422.88	53.7	234422.88	53.7	234422.88	269153.48
16:31:00	16:31:00	53.6	67.2	54.5	53	7:52 AM	229086.77	53.6	229086.77	53.6	229086.77	281838.29
16:32:00	16:32:00	54.3	68	55.4	53.4	7:53 AM	269153.48	54.3	269153.48	54.3	269153.48	346736.85
16:33:00	16:33:00	54	68.8	55.1	53.2	7:54 AM	251188.64	54	251188.64	54.0	251188.64	323593.66
16:34:00	16:34:00	53.3	67.5	54.4	52.8	7:55 AM	213796.21	53.3	213796.21	53.3	213796.21	275422.87
16:35:00	16:35:00	53.4	68.4	54	52.9	7:56 AM	218776.16	53.4	218776.16	53.4	218776.16	251188.64
16:36:00	16:36:00	53.6	67.2	54.4	53	7:57 AM	229086.77	53.6	229086.77	53.6	229086.77	275422.87
16:37:00	16:37:00	53.5	67.7	54.2	53	7:58 AM	223872.11	53.5	223872.11	53.5	223872.11	263026.80
16:38:00	16:38:00	53.9	68.1	55.3	53	7:59 AM	245470.89	53.9	245470.89	53.9	245470.89	338844.16
16:39:00	16:39:00	56.3	90.7	64.9	53.4	8:00 AM	426579.52	56.3	426579.52	56.3	426579.52	3090295.43
16:40:00	16:40:00	61.3	88.9	71.1	53.3	8:01 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	12882495.52
16:41:00	16:41:00	54.5	78.7	63.8	53	8:02 AM	281838.29	54.5	281838.29	54.5	281838.29	2398832.92
16:42:00	16:42:00	53.5	72.1	54.2	52.8	8:03 AM	223872.11	53.5	223872.11	53.5	223872.11	263026.80
16:43:00	16:43:00	53.6	74.5	56.4	52.9	8:04 AM	229086.77	53.6	229086.77	53.6	229086.77	436515.83
16:44:00	16:44:00	53.6	73.4	55.2	52.8	8:05 AM	229086.77	53.6	229086.77	53.6	229086.77	331131.12
16:45:00	16:45:00	53.8	72.4	55	52.7	8:06 AM	239883.29	53.8	239883.29	53.8	239883.29	316227.77
16:46:00	16:46:00	57.3	77.3	63.1	52.9	8:07 AM	537031.80	57.3	537031.80	57.3	537031.80	2041737.94
16:47:00	16:47:00	54	77.1	58.6	53	8:08 AM	251188.64	54	251188.64	54.0	251188.64	724435.96
16:48:00	16:48:00	54.6	76.9	60	53.1	8:09 AM	288403.15	54.6	288403.15	54.6	288403.15	1000000.00
16:49:00	16:49:00	55.7	73.1	60.3	52.9	8:10 AM	371535.23	55.7	371535.23	55.7	371535.23	1071519.31
16:50:00	16:50:00	54.4	72.7	58.2	53	8:11 AM	275422.87	54.4	275422.87	54.4	275422.87	660693.45
16:51:00	16:51:00	53.9	72.3	55.2	53	8:12 AM	245470.89	53.9	245470.89	53.9	245470.89	331131.12
16:52:00	16:52:00	54.2	68	55.1	53.5	8:13 AM	263026.80	54.2	263026.80	54.2	263026.80	323593.66
16:53:00	16:53:00	57.1	75.4	61.7	53.4	8:14 AM	512861.38	57.1	512861.38	57.1	512861.38	1479108.39
16:54:00	16:54:00	54.8	71.1	59.3	53.4	8:15 AM	301995.17	54.8	301995.17	54.8	301995.17	851138.04
16:55:00	16:55:00	54.6	75	60.5	53.2	8:16 AM	436515.83	54.6	436515.83	54.6	436515.83	1122018.45
16:56:00	16:56:00	53.6	68	54.4	53.1	8:17 AM	229086.77	53.6	229086.77	53.6	229086.77	275422.87
16:57:00	16:57:00	53.7	67.9	55	53	8:18 AM	234422.88	53.7	234422.88	53.7	234422.88	316227.77
16:58:00	16:58:00	61.4	81.2	68.3	53.9	8:19 AM	1380384.26	61.4	1380384.26	61.4	1380384.26	6760829.75
16:59:00	16:59:00	53.8	69.3	55.4	53.1	8:20 AM	239883.29	53.8	239883.29	53.8	239883.29	346736.85
17:00:00	17:00:00	57.4	77.2	61.6	53.7	8:21 AM	549540.87	57.4	549540.87	57.4	549540.87	1445439.77
17:01:00	17:01:00	54.4	69.8	56.5	53.5	8:22 AM	275422.87	54.4	275422.87	54.4	275422.87	446683.59
17:02:00	17:02:00	55.8	72	59	53	8:23 AM	380189.40	5				

17:26:00	17:26:00	64.2	91.9	74.3	53	8:47 AM	2630267.99	64.2	2630267.99	64.2	2630267.99	26915348.04
17:27:00	17:27:00	60.8	83.7	71.2	54.2	8:48 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	13182567.39
17:28:00	17:28:00	54.1	69.5	56.4	53.3	8:49 AM	257039.58	54.1	257039.58	54.1	257039.58	436515.83
17:29:00	17:29:00	54.1	67.8	55.7	53.1	8:50 AM	257039.58	54.1	257039.58	54.1	257039.58	371535.23
17:30:00	17:30:00	53.4	67.7	54.3	52.7	8:51 AM	218776.16	53.4	218776.16	53.4	218776.16	269153.48
17:31:00	17:31:00	53.2	67.8	54.2	52.4	8:52 AM	208929.61	53.2	208929.61	53.2	208929.61	263026.80
17:32:00	17:32:00	53.3	67.1	53.9	52.8	8:53 AM	213796.21	53.3	213796.21	53.3	213796.21	245470.89
17:33:00	17:33:00	53.3	68	54.3	52.7	8:54 AM	213796.21	53.3	213796.21	53.3	213796.21	269153.48
17:34:00	17:34:00	53.2	67.3	54.7	52.3	8:55 AM	208929.61	53.2	208929.61	53.2	208929.61	295120.92
17:35:00	17:35:00	53.3	67.8	54.1	52.5	8:56 AM	213796.21	53.3	213796.21	53.3	213796.21	257039.58
17:36:00	17:36:00	54.4	72.8	60.6	52.7	8:57 AM	275422.87	54.4	275422.87	54.4	275422.87	1148153.62
17:37:00	17:37:00	53.1	69.2	54	52.4	8:58 AM	204173.79	53.1	204173.79	53.1	204173.79	251188.64
17:38:00	17:38:00	53.4	67.2	54.2	52.8	8:59 AM	218776.16	53.4	218776.16	53.4	218776.16	263026.80
17:39:00	17:39:00	53.6	69	56.4	52.6	9:00 AM	229086.77	53.6	229086.77	53.6	229086.77	436515.83
17:40:00	17:40:00	53.5	68.8	55.1	52.7	9:01 AM	223872.11	53.5	223872.11	53.5	223872.11	323593.66
17:41:00	17:41:00	53.4	69.2	54.2	52.6	9:02 AM	218776.16	53.4	218776.16	53.4	218776.16	263026.80
17:42:00	17:42:00	53.7	68.9	54.4	53.1	9:03 AM	234422.88	53.7	234422.88	53.7	234422.88	275422.87
17:43:00	17:43:00	55	79.8	64	52.9	9:04 AM	316227.77	55	316227.77	55.0	316227.77	2511886.43
17:44:00	17:44:00	53.4	68.1	54.3	52.6	9:05 AM	218776.16	53.4	218776.16	53.4	218776.16	269153.48
17:45:00	17:45:00	53.5	67.7	54.7	52.5	9:06 AM	223872.11	53.5	223872.11	53.5	223872.11	295120.92
17:46:00	17:46:00	53.2	67.3	54.5	52.6	9:07 AM	208929.61	53.2	208929.61	53.2	208929.61	281838.29
17:47:00	17:47:00	53.4	69.1	55.4	52.7	9:08 AM	218776.16	53.4	218776.16	53.4	218776.16	346736.85
17:48:00	17:48:00	54.1	72.8	59	52.9	9:09 AM	257039.58	54.1	257039.58	54.1	257039.58	794328.23
17:49:00	17:49:00	67.3	88.6	73.8	56	9:10 AM	5370317.96	67.3	5370317.96	67.3	5370317.96	23988329.19
17:50:00	17:50:00	61.4	84.5	70.3	53.4	9:11 AM	1380384.26	61.4	1380384.26	61.4	1380384.26	10715193.05
17:51:00	17:51:00	62.3	86.9	72.7	53.1	9:12 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	18620871.37
17:52:00	17:52:00	60.6	86.8	68.5	52.8	9:13 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	7079457.84
17:53:00	17:53:00	53.5	68	54.4	52.8	9:14 AM	223872.11	53.5	223872.11	53.5	223872.11	275422.87
17:54:00	17:54:00	53.3	68.7	54.2	52.6	9:15 AM	213796.21	53.3	213796.21	53.3	213796.21	263026.80
17:55:00	17:55:00	55.8	73.9	59.8	52.6	9:16 AM	380189.40	55.8	380189.40	55.8	380189.40	954992.59
17:56:00	17:56:00	53.3	67.2	54.5	52.6	9:17 AM	213796.21	53.3	213796.21	53.3	213796.21	281838.29
17:57:00	17:57:00	53	68.6	53.8	52.5	9:18 AM	199526.23	53	199526.23	53.0	199526.23	239883.29
17:58:00	17:58:00	53.3	67.4	54.3	52.5	9:19 AM	213796.21	53.3	213796.21	53.3	213796.21	269153.48
17:59:00	17:59:00	53.5	67	54.3	53.1	9:20 AM	223872.11	53.5	223872.11	53.5	223872.11	269153.48
18:00:00	18:00:00	56.2	75.8	61.1	52.6	9:21 AM	416869.38	56.2	416869.38	56.2	416869.38	1288249.55
18:01:00	18:01:00	57.7	75.4	60.2	53.3	9:22 AM	371535.23	57.7	371535.23	57.7	371535.23	1047128.55
18:02:00	18:02:00	53.2	67.7	56.1	52.6	9:23 AM	208929.61	53.2	208929.61	53.2	208929.61	407380.28
18:03:00	18:03:00	61.2	89.3	69.5	53.2	9:24 AM	1318256.74	61.2	1318256.74	61.2	1318256.74	8912509.38
18:04:00	18:04:00	54.4	72.6	55.6	53.1	9:25 AM	275422.87	54.4	275422.87	54.4	275422.87	363078.05
18:05:00	18:05:00	55	74	59.5	52.9	9:26 AM	316227.77	55	316227.77	55.0	316227.77	891250.94
18:06:00	18:06:00	55.8	74.5	60	53.4	9:27 AM	380189.40	55.8	380189.40	55.8	380189.40	1000000.00
18:07:00	18:07:00	58.7	83.3	64	52.8	9:28 AM	741310.24	58.7	741310.24	58.7	741310.24	2511886.43
18:08:00	18:08:00	53.3	67	54.8	52.5	9:29 AM	213796.21	53.3	213796.21	53.3	213796.21	301995.17
18:09:00	18:09:00	54.9	73.3	57.4	52.7	9:30 AM	309029.54	54.9	309029.54	54.9	309029.54	549540.87
18:10:00	18:10:00	55.4	74	58	53.2	9:31 AM	346736.85	55.4	346736.85	55.4	346736.85	630957.34
18:11:00	18:11:00	53.7	71.4	55.1	52.7	9:32 AM	234422.88	53.7	234422.88	53.7	234422.88	323593.66
18:12:00	18:12:00	57.9	79.2	63.3	52.4	9:33 AM	616595.00	57.9	616595.00	57.9	616595.00	2137962.09
18:13:00	18:13:00	52.9	66.7	54	52.2	9:34 AM	194984.46	52.9	194984.46	52.9	194984.46	251188.64
18:14:00	18:14:00	53.2	68	55.2	52.4	9:35 AM	208929.61	53.2	208929.61	53.2	208929.61	331131.12
18:15:00	18:15:00	53.8	68.7	55.9	52.9	9:36 AM	239883.29	53.8	239883.29	53.8	239883.29	389045.14
18:16:00	18:16:00	56.8	73.8	60.4	53.5	9:37 AM	478630.09	56.8	478630.09	56.8	478630.09	1096478.20
18:17:00	18:17:00	54.9	73.2	59.1	52.7	9:38 AM	309029.54	54.9	309029.54	54.9	309029.54	812830.52
18:18:00	18:18:00	54.9	73.4	58.5	52.7	9:39 AM	309029.54	54.9	309029.54	54.9	309029.54	707945.78
18:19:00	18:19:00	59.3	84.8	66.1	53	9:40 AM	851138.04	59.3	851138.04	59.3	851138.04	4073802.78
18:20:00	18:20:00	57.1	78.1	62.6	52.8	9:41 AM	512861.38	57.1	512861.38	57.1	512861.38	1819700.86
18:21:00	18:21:00	53.2	67.1	54.2	52.6	9:42 AM	208929.61	53.2	208929.61	53.2	208929.61	263026.80
18:22:00	18:22:00	55.2	73	60.1	52.6	9:43 AM	331131.12	55.2	331131.12	55.2	331131.12	1023292.99
18:23:00	18:23:00	53.7	69.5	56.8	52.6	9:44 AM	234422.88	53.7	234422.88	53.7	234422.88	478630.09
18:24:00	18:24:00	58.1	85.6	65.1	53.1	9:45 AM	645654.23	58.1	645654.23	58.1	645654.23	3235936.57
18:25:00	18:25:00	55.5	74	59.9	53.3	9:46 AM	354813.39	55.5	354813.39	55.5	354813.39	977237.22
18:26:00	18:26:00	55.8	74.2	60.3	52.8	9:47 AM	380189.40	55.8	380189.40	55.8	380189.40	1071519.31
18:27:00	18:27:00	53.6	67.6	55.5	52.9	9:48 AM	229086.77	53.6	229086.77	53.6	229086.77	354813.39
18:28:00	18:28:00	54	67.7	56.1	52.9	9:49 AM	251188.64	54	251188.64	54.0	251188.64	407380.28
18:29:00	18:29:00	56.1	71.8	60	52.8	9:50 AM	407380.28	56.1	407380.28	56.1	407380.28	1000000.00
18:30:00	18:30:00	55.6	71.1	59	53	9:51 AM	363078.05	55.6	363078.05	55.6	363078.05	794328.23
18:31:00	18:31:00	52.9	67.1	53.4	52.5	9:52 AM	194984.46	52.9	194984.46	52.9	194984.46	218776.16
18:32:00	18:32:00	53.1	66.9	54	52.2	9:53 AM	204173.79	53.1	204173.79	53.1	204173.79	251188.64
18:33:00	18:33:00	53.2	67.6	54.5	52.7	9:54 AM	208929.61	53.2	208929.61	53.2	208929.61	281838.29
18:34:00	18:34:00	56.9	76.3	61.4	52.4	9:55 AM	489778.82	56.9	489778.82	56.9	489778.82	1380384.26
18:35:00	18:35:00	52.9	69.6	55.2	52.1	9:56 AM	194984.46	52.9	194984.46	52.9	194984.46	331131.12
18:36:00	18:36:00	56.5	73.5	60.5	52.7	9:57 AM	446683.59	56.5	446683.59	56.5	446683.59	1122018.45
18:37:00	18:37:00	56.2	75.5	63.1	52.8	9:58 AM	416869.38	56.2	416869.38	56.2	416869.38	2041737.94
18:38:00	18:38:00	57.7	76.4	62.1	53.9	9:59 AM	588843.66	57.7	588843.66	57.7	588843.66	1621810.10
18:39:00	18:39:00	57.6	80.6	62.9	53.1	10:00 AM	575439.94	57.6	575439.94	57.6	575439.94	1949844.60
18:40:00	18:40:00	54.1	68.8	56	52.1	10:01 AM	257039.58	54.1	257039.58	54.1	257039.58	398107.17
18:41:00	18:41:00	53.5	67.3	55	52.3	10:02 AM	223872.11	53.5	223872.11	53.5	223872.11	316227.77
18:42:00	18:42:00	56.9	77.3	63.5	52.4	10:03 AM	489778.82	56.9	489778.82	56.9	489778.82	2238721.14
18:43:00	18:43:00	54.9	74	63.5	52.6	10:04 AM	309029.54	54.9	309029.54	54.9	309029.54	2238721.14
18:44:00	18:44:00	55	73.5	60.1	52.2	10:05 AM	316227.77	55	316227.77	55.0	316227.77	1023292.99
18:45:00	18:45:00	53.1	73.6	54.7	52.5	10:06 AM	204173.79	53.1	204173.79	53.1	204173.79	295120.92
18:46:00	18:46:00	53.7	78.7	56.9	52.5	10:07 AM	234422.88	53.7	234422.88	53.7	234422.88	489778.82
18:47												

19:11:00	19:11:00	53.8	73.5	58.4	52.6	10:32 AM	239883.29	53.8	239883.29	53.8	239883.29	691830.97
19:12:00	19:12:00	53.8	70.8	56.6	52.5	10:33 AM	239883.29	53.8	239883.29	53.8	239883.29	457088.19
19:13:00	19:13:00	53.1	68.1	54.2	52.4	10:34 AM	204173.79	53.1	204173.79	53.1	204173.79	263026.80
19:14:00	19:14:00	53.7	72.6	57.3	52.3	10:35 AM	234422.88	53.7	234422.88	53.7	234422.88	537031.80
19:15:00	19:15:00	53.9	68.8	56.4	52.4	10:36 AM	245470.89	53.9	245470.89	53.9	245470.89	436515.83
19:16:00	19:16:00	53.8	67.9	55	52.7	10:37 AM	239883.29	53.8	239883.29	53.8	239883.29	316227.77
19:17:00	19:17:00	54.3	69.6	57	53	10:38 AM	269153.48	54.3	269153.48	54.3	269153.48	501187.23
19:18:00	19:18:00	55.2	70.4	58.5	53.3	10:39 AM	331131.12	55.2	331131.12	55.2	331131.12	707945.78
19:19:00	19:19:00	55.7	73.4	60.5	53.1	10:40 AM	371535.23	55.7	371535.23	55.7	371535.23	1122018.45
19:20:00	19:20:00	56.1	74	61	52.7	10:41 AM	407380.28	56.1	407380.28	56.1	407380.28	1258925.41
19:21:00	19:21:00	58.6	80.8	65	52.5	10:42 AM	724435.96	58.6	724435.96	58.6	724435.96	316227.66
19:22:00	19:22:00	55.7	74	58.9	52.6	10:43 AM	371535.23	55.7	371535.23	55.7	371535.23	776247.12
19:23:00	19:23:00	54.4	70.4	56.8	52.7	10:44 AM	275422.87	54.4	275422.87	54.4	275422.87	478630.09
19:24:00	19:24:00	53.5	67.3	54.6	52.8	10:45 AM	223872.11	53.5	223872.11	53.5	223872.11	288403.15
19:25:00	19:25:00	55.5	70.2	58.4	53.1	10:46 AM	354813.39	55.5	354813.39	55.5	354813.39	691830.97
19:26:00	19:26:00	54.2	72.5	57.7	52.8	10:47 AM	263026.80	54.2	263026.80	54.2	263026.80	588843.66
19:27:00	19:27:00	53.9	68.5	56.4	52.8	10:48 AM	245470.89	53.9	245470.89	53.9	245470.89	436515.83
19:28:00	19:28:00	56.8	74.7	60.9	53.7	10:49 AM	478630.09	56.8	478630.09	56.8	478630.09	1230268.77
19:29:00	19:29:00	60.9	81.6	66.9	52.9	10:50 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	4897788.19
19:30:00	19:30:00	53.3	67.3	54.3	52.5	10:51 AM	213796.21	53.3	213796.21	53.3	213796.21	269153.48
19:31:00	19:31:00	53.5	70	54.5	52.6	10:52 AM	223872.11	53.5	223872.11	53.5	223872.11	281838.29
19:32:00	19:32:00	57.6	77.3	62.9	53	10:53 AM	575439.94	57.6	575439.94	57.6	575439.94	1949844.60
19:33:00	19:33:00	55.3	74.7	59.8	53.4	10:54 AM	338844.16	55.3	338844.16	55.3	338844.16	954992.59
19:34:00	19:34:00	53.3	67.8	55	52.3	10:55 AM	213796.21	53.3	213796.21	53.3	213796.21	316227.77
19:35:00	19:35:00	54.4	73.2	60.2	52.3	10:56 AM	275422.87	54.4	275422.87	54.4	275422.87	1047128.55
19:36:00	19:36:00	62	83.1	68.3	52.9	10:57 AM	1584893.19	62	1584893.19	62.0	1584893.19	6760829.75
19:37:00	19:37:00	54.4	72.5	60.7	52.7	10:58 AM	275422.87	54.4	275422.87	54.4	275422.87	1174897.55
19:38:00	19:38:00	53.3	67.3	54.1	52.7	10:59 AM	213796.21	53.3	213796.21	53.3	213796.21	257039.58
19:39:00	19:39:00	53.3	67.4	54.5	52.4	11:00 AM	213796.21	53.3	213796.21	53.3	213796.21	281838.29
19:40:00	19:40:00	56.1	76.6	61.2	52.7	11:01 AM	407380.28	56.1	407380.28	56.1	407380.28	1318256.74
19:41:00	19:41:00	53.4	67.9	55	52.5	11:02 AM	218776.16	53.4	218776.16	53.4	218776.16	316227.77
19:42:00	19:42:00	60.1	80.2	65.9	52.5	11:03 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	3890451.45
19:43:00	19:43:00	52.9	66.5	53.9	52.3	11:04 AM	194984.46	52.9	194984.46	52.9	194984.46	245470.89
19:44:00	19:44:00	55.3	70.5	57.7	52.9	11:05 AM	338844.16	55.3	338844.16	55.3	338844.16	588843.66
19:45:00	19:45:00	56.5	79.5	63.1	54.4	11:06 AM	446683.59	56.5	446683.59	56.5	446683.59	2041737.94
19:46:00	19:46:00	56.4	75.3	62.3	55.5	11:07 AM	436515.83	56.4	436515.83	56.4	436515.83	1698243.65
19:47:00	19:47:00	58.5	77	63.2	54.9	11:08 AM	707945.78	58.5	707945.78	58.5	707945.78	2089296.13
19:48:00	19:48:00	56.9	75.4	62.5	54.6	11:09 AM	489778.82	56.9	489778.82	56.9	489778.82	1778279.41
19:49:00	19:49:00	60	79.5	65	54.5	11:10 AM	1000000.00	60	1000000.00	60.0	1000000.00	316227.66
19:50:00	19:50:00	55.6	71.6	58	54.6	11:11 AM	363078.05	55.6	363078.05	55.6	363078.05	630957.34
19:51:00	19:51:00	58.2	76	62.7	54.7	11:12 AM	660693.45	58.2	660693.45	58.2	660693.45	1862087.14
19:52:00	19:52:00	55.7	70.5	57.9	54.4	11:13 AM	371535.23	55.7	371535.23	55.7	371535.23	616595.00
19:53:00	19:53:00	58.6	77.8	63.6	56.2	11:14 AM	724435.96	58.6	724435.96	58.6	724435.96	2290867.65
19:54:00	19:54:00	56	71.1	60.8	54.8	11:15 AM	398107.17	56	398107.17	56.0	398107.17	1202264.43
19:55:00	19:55:00	63	85.1	72.1	55.3	11:16 AM	1995262.31	63	1995262.31	63.0	1995262.31	16218100.97
19:56:00	19:56:00	66.3	89.7	75.3	52.6	11:17 AM	4265795.19	66.3	4265795.19	66.3	4265795.19	33884415.61
19:57:00	19:57:00	53	67.6	53.9	52.3	11:18 AM	199526.23	53	199526.23	53.0	199526.23	245470.89
19:58:00	19:58:00	52.9	66.3	53.6	52.3	11:19 AM	194984.46	52.9	194984.46	52.9	194984.46	229086.77
19:59:00	19:59:00	56.9	75.7	61.1	52.8	11:20 AM	416869.38	56.2	416869.38	56.2	416869.38	1288249.55
20:00:00	20:00:00	53	67.4	54.5	52.3	11:21 AM	199526.23	53	199526.23	53.0	199526.23	281838.29
20:01:00	20:01:00	52.7	66.6	53.4	52.1	11:22 AM	186208.71	52.7	186208.71	52.7	186208.71	218776.16
20:02:00	20:02:00	52.9	67.3	53.9	52.3	11:23 AM	194984.46	52.9	194984.46	52.9	194984.46	245470.89
20:03:00	20:03:00	55.1	73.8	59.6	52.5	11:24 AM	323593.66	55.1	323593.66	55.1	323593.66	912010.84
20:04:00	20:04:00	52.8	67.2	53.9	52.1	11:25 AM	190546.07	52.8	190546.07	52.8	190546.07	245470.89
20:05:00	20:05:00	53	75	54.2	52.3	11:26 AM	199526.23	53	199526.23	53.0	199526.23	263026.80
20:06:00	20:06:00	53.4	68.5	55.8	52.2	11:27 AM	218776.16	53.4	218776.16	53.4	218776.16	380189.40
20:07:00	20:07:00	53.7	70.1	57.2	51.8	11:28 AM	234422.88	53.7	234422.88	53.7	234422.88	524807.46
20:08:00	20:08:00	52.8	66.9	53.9	51.7	11:29 AM	190546.07	52.8	190546.07	52.8	190546.07	245470.89
20:09:00	20:09:00	52.8	67.2	53.9	51.8	11:30 AM	190546.07	52.8	190546.07	52.8	190546.07	245470.89
20:10:00	20:10:00	52.7	68.2	53.5	52	11:31 AM	186208.71	52.7	186208.71	52.7	186208.71	223872.11
20:11:00	20:11:00	52.6	67.5	53.4	51.8	11:32 AM	181970.09	52.6	181970.09	52.6	181970.09	218776.16
20:12:00	20:12:00	52.5	66.7	53.7	51.8	11:33 AM	177827.94	52.5	177827.94	52.5	177827.94	234422.88
20:13:00	20:13:00	53.4	67.6	54.3	52.7	11:34 AM	218776.16	53.4	218776.16	53.4	218776.16	269153.48
20:14:00	20:14:00	52.8	67.1	53.6	52.3	11:35 AM	190546.07	52.8	190546.07	52.8	190546.07	229086.77
20:15:00	20:15:00	53.5	67.9	55.2	52.5	11:36 AM	223872.11	53.5	223872.11	53.5	223872.11	331131.12
20:16:00	20:16:00	53.4	68.5	55.1	52.5	11:37 AM	218776.16	53.4	218776.16	53.4	218776.16	323593.66
20:17:00	20:17:00	55.2	72.5	58.7	53.1	11:38 AM	331131.12	55.2	331131.12	55.2	331131.12	741310.24
20:18:00	20:18:00	53.9	70.4	57.3	52.7	11:39 AM	245470.89	53.9	245470.89	53.9	245470.89	537031.80
20:19:00	20:19:00	52.7	66.8	53.3	52.1	11:40 AM	186208.71	52.7	186208.71	52.7	186208.71	213796.21
20:20:00	20:20:00	52.7	70.7	53.8	52.2	11:41 AM	186208.71	52.7	186208.71	52.7	186208.71	239883.29
20:21:00	20:21:00	52.9	68.1	54	52	11:42 AM	194984.46	52.9	194984.46	52.9	194984.46	251188.64
20:22:00	20:22:00	52.6	67.1	53.6	51.8	11:43 AM	181970.09	52.6	181970.09	52.6	181970.09	229086.77
20:23:00	20:23:00	55	71.1	58.2	53.1	11:44 AM	316227.77	55	316227.77	55.0	316227.77	660693.45
20:24:00	20:24:00	54.6	72.8	57	53.1	11:45 AM	288403.15	54.6	288403.15	54.6	288403.15	501187.23
20:25:00	20:25:00	62.9	86.8	71.1	52.8	11:46 AM	1949844.60	62.9	1949844.60	62.9	1949844.60	12882495.52
20:26:00	20:26:00	54.8	76.2	57	52.7	11:47 AM	301995.17	54.8	301995.17	54.8	301995.17	501187.23
20:27:00	20:27:00	53.5	69.7	57.2	52	11:48 AM	223872.11	53.5	223872.11	53.5	223872.11	524807.46
20:28:00	20:28:00	52.7	66.5	53.4	52	11:49 AM	186208.71	52.7	186208.71	52.7	186208.71	218776.16
20:29:00	20:29:00	57.1	84.4	70.7	51.9	11:50 AM	512861.38	57.1	512861.38	57.1	512861.38	11748975.55
20:30:00	20:30:00	59.4	83.9	70.9	52.3	11:51 AM	870963.59	59.4	870963.59	59.4	870963.59	1230268.77
20:31:00	20:31:00	56.5	78.5	64.3	52.2	11:52 AM	446683.59	56.5				

Data

20:56:00	20:56:00	52.6	69.4	53.9	52.1	12:17 PM	181970.09	52.6	181970.09	52.6	181970.09	245470.89
20:57:00	20:57:00	55.6	74	59.5	52.6	12:18 PM	363078.05	55.6	363078.05	55.6	363078.05	891250.94
20:58:00	20:58:00	56.1	75.2	60.2	52.6	12:19 PM	407380.28	56.1	407380.28	56.1	407380.28	1047128.55
20:59:00	20:59:00	53.7	75.3	56.3	52.1	12:20 PM	234422.88	53.7	234422.88	53.7	234422.88	426579.52
21:00:00	21:00:00	52.3	67.9	53.7	51.7	12:21 PM	169824.37	52.3	169824.37	52.3	169824.37	234422.88
21:01:00	21:01:00	52.7	66.9	54.1	51.9	12:22 PM	186208.71	52.7	186208.71	52.7	186208.71	257039.58
21:02:00	21:02:00	52.2	66.3	52.7	51.8	12:23 PM	165958.69	52.2	165958.69	52.2	165958.69	186208.71
21:03:00	21:03:00	52.5	66.1	53	51.9	12:24 PM	177827.94	52.5	177827.94	52.5	177827.94	199526.23
21:04:00	21:04:00	55.2	72.8	59.2	52	12:25 PM	331131.12	55.2	331131.12	55.2	331131.12	831763.77
21:05:00	21:05:00	54.7	74.9	59.6	52.1	12:26 PM	295120.92	54.7	295120.92	54.7	295120.92	912010.84
21:06:00	21:06:00	54.7	72.2	59.3	52.4	12:27 PM	295120.92	54.7	295120.92	54.7	295120.92	851138.04
21:07:00	21:07:00	54.6	72.1	58.7	52.1	12:28 PM	288403.15	54.6	288403.15	54.6	288403.15	741310.24
21:08:00	21:08:00	63.1	86.9	72.3	52.4	12:29 PM	2041737.94	63.1	2041737.94	63.1	2041737.94	16982436.52
21:09:00	21:09:00	55.5	77.4	62.6	52.7	12:30 PM	354813.39	55.5	354813.39	55.5	354813.39	1819700.86
21:10:00	21:10:00	55.1	74.9	59.8	52.2	12:31 PM	323593.66	55.1	323593.66	55.1	323593.66	954992.59
21:11:00	21:11:00	53.1	70.1	54.8	52.2	12:32 PM	204173.79	53.1	204173.79	53.1	204173.79	301995.17
21:12:00	21:12:00	63.3	89.2	71.8	52.6	12:33 PM	2137962.09	63.3	2137962.09	63.3	2137962.09	1513561.28
21:13:00	21:13:00	52.8	67.3	53.8	52.1	12:34 PM	190546.07	52.8	190546.07	52.8	190546.07	239883.29
21:14:00	21:14:00	53.9	73.8	59.1	52.1	12:35 PM	245470.89	53.9	245470.89	53.9	245470.89	812830.52
21:15:00	21:15:00	54.7	76.6	60.5	52.5	12:36 PM	295120.92	54.7	295120.92	54.7	295120.92	1122018.45
21:16:00	21:16:00	53.3	70.5	58.2	52.4	12:37 PM	213796.21	53.3	213796.21	53.3	213796.21	660693.45
21:17:00	21:17:00	55.8	74.6	59.3	52.5	12:38 PM	380189.40	55.8	380189.40	55.8	380189.40	851138.04
21:18:00	21:18:00	55	72.8	58.3	52.6	12:39 PM	316227.77	55	316227.77	55.0	316227.77	676082.98
21:19:00	21:19:00	54.2	75.9	58.9	52.2	12:40 PM	263026.80	54.2	263026.80	54.2	263026.80	776247.12
21:20:00	21:20:00	53	66.9	53.7	52.2	12:41 PM	199526.23	53	199526.23	53.0	199526.23	234422.88
21:21:00	21:21:00	57.5	78.3	65.7	52.6	12:42 PM	562341.33	57.5	562341.33	57.5	562341.33	3715352.29
21:22:00	21:22:00	60	83.1	69.8	52.8	12:43 PM	1000000.00	60	1000000.00	60.0	1000000.00	9549925.86
21:23:00	21:23:00	56.1	74.3	62.4	52.7	12:44 PM	407380.28	56.1	407380.28	56.1	407380.28	1737800.83
21:24:00	21:24:00	52.8	67.1	53.6	52.2	12:45 PM	190546.07	52.8	190546.07	52.8	190546.07	229086.77
21:25:00	21:25:00	58.6	83	68.6	52.4	12:46 PM	724435.96	58.6	724435.96	58.6	724435.96	7244359.60
21:26:00	21:26:00	62.9	83.8	70.2	54.7	12:47 PM	1949844.60	62.9	1949844.60	62.9	1949844.60	10471285.48
21:27:00	21:27:00	61.9	83.7	71	52.7	12:48 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	12589254.12
21:28:00	21:28:00	53.3	75.8	55.1	52.5	12:49 PM	213796.21	53.3	213796.21	53.3	213796.21	323593.66
21:29:00	21:29:00	56.7	78.6	62.4	52.8	12:50 PM	467735.14	56.7	467735.14	56.7	467735.14	1737800.83
21:30:00	21:30:00	53.2	68.7	55.3	52.4	12:51 PM	208929.61	53.2	208929.61	53.2	208929.61	338844.16
21:31:00	21:31:00	53.1	67	53.9	52.3	12:52 PM	204173.79	53.1	204173.79	53.1	204173.79	245470.89
21:32:00	21:32:00	53.6	69.2	57	52.4	12:53 PM	229086.77	53.6	229086.77	53.6	229086.77	501187.23
21:33:00	21:33:00	53.5	69.2	54.7	52.8	12:54 PM	223872.11	53.5	223872.11	53.5	223872.11	295120.92
21:34:00	21:34:00	53.1	67.6	53.9	52.6	12:55 PM	204173.79	53.1	204173.79	53.1	204173.79	245470.89
21:35:00	21:35:00	54.5	71.2	59.2	52.6	12:56 PM	281838.29	54.5	281838.29	54.5	281838.29	831763.77
21:36:00	21:36:00	54.2	75.6	60.2	52.2	12:57 PM	263026.80	54.2	263026.80	54.2	263026.80	1047128.55
21:37:00	21:37:00	55	77	60.6	52.3	12:58 PM	316227.77	55	316227.77	55.0	316227.77	1148153.62
21:38:00	21:38:00	53	68.1	54.3	52.1	12:59 PM	199526.23	53	199526.23	53.0	199526.23	269153.48
21:39:00	21:39:00	53.3	71.8	55.2	52.5	1:00 PM	213796.21	53.3	213796.21	53.3	213796.21	331131.12
21:40:00	21:40:00	54.2	70.6	56.6	52.3	1:01 PM	263026.80	54.2	263026.80	54.2	263026.80	457088.19
21:41:00	21:41:00	54	70.5	57	52.6	1:02 PM	251188.64	54	251188.64	54.0	251188.64	501187.23
21:42:00	21:42:00	68	89.7	75.3	55.6	1:03 PM	6309573.44	68	6309573.44	68.0	6309573.44	33884415.61
21:43:00	21:43:00	53.7	70	58.5	52.5	1:04 PM	234422.88	53.7	234422.88	53.7	234422.88	707945.78
21:44:00	21:44:00	52.5	66.4	53.1	51.9	1:05 PM	177827.94	52.5	177827.94	52.5	177827.94	204173.79
21:45:00	21:45:00	56	79.9	63.4	52.3	1:06 PM	398107.17	56	398107.17	56.0	398107.17	2187761.62
21:46:00	21:46:00	52.3	66.2	53.1	51.7	1:07 PM	169824.37	52.3	169824.37	52.3	169824.37	204173.79
21:47:00	21:47:00	52.8	67.6	55.2	52.1	1:08 PM	190546.07	52.8	190546.07	52.8	190546.07	331131.12
21:48:00	21:48:00	53.1	68.1	54.6	52.2	1:09 PM	204173.79	53.1	204173.79	53.1	204173.79	288403.15
21:49:00	21:49:00	53.1	67.8	54	52.1	1:10 PM	204173.79	53.1	204173.79	53.1	204173.79	251188.64
21:50:00	21:50:00	52.9	67.3	53.7	52.3	1:11 PM	194984.46	52.9	194984.46	52.9	194984.46	234422.88
21:51:00	21:51:00	56.1	75.5	60.9	52.5	1:12 PM	407380.28	56.1	407380.28	56.1	407380.28	1230268.77
21:52:00	21:52:00	54.7	71.9	58	52.1	1:13 PM	295120.92	54.7	295120.92	54.7	295120.92	630957.34
21:53:00	21:53:00	53	66.9	53.8	52.3	1:14 PM	199526.23	53	199526.23	53.0	199526.23	239883.29
21:54:00	21:54:00	52.5	67	53.3	51.9	1:15 PM	177827.94	52.5	177827.94	52.5	177827.94	213796.21
21:55:00	21:55:00	52.6	71.1	53.5	51.6	1:16 PM	181970.09	52.6	181970.09	52.6	181970.09	223872.11
21:56:00	21:56:00	52.5	70.8	53.5	51.7	1:17 PM	177827.94	52.5	177827.94	52.5	177827.94	223872.11
21:57:00	21:57:00	54.9	70.7	57.4	52.7	1:18 PM	309029.54	54.9	309029.54	54.9	309029.54	549540.87
21:58:00	21:58:00	54.4	69.6	56	53.1	1:19 PM	275422.87	54.4	275422.87	54.4	275422.87	398107.17
21:59:00	21:59:00	64.6	88.7	72.6	52.8	1:20 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	18197008.59
22:00:00	22:00:00	53.7	72.4	58.6	52	1:21 PM	234422.88	53.7	234422.88	53.7	234422.88	724435.96
22:01:00	22:01:00	53.8	72.5	57.5	52.4	1:22 PM	239883.29	53.8	239883.29	53.8	239883.29	562341.33
22:02:00	22:02:00	55	73.3	57.7	52.5	1:23 PM	316227.77	55	316227.77	55.0	316227.77	588843.66
22:03:00	22:03:00	57.3	79.4	63	53.3	1:24 PM	537031.80	57.3	537031.80	57.3	537031.80	1995262.31
22:04:00	22:04:00	54.3	77	59.6	52.6	1:25 PM	269153.48	54.3	269153.48	54.3	269153.48	912010.84
22:05:00	22:05:00	52.9	67	54.6	52	1:26 PM	194984.46	52.9	194984.46	52.9	194984.46	288403.15
22:06:00	22:06:00	52.7	67.6	53.5	51.9	1:27 PM	186208.71	52.7	186208.71	52.7	186208.71	223872.11
22:07:00	22:07:00	60.6	80.6	65.9	52	1:28 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	3890451.45
22:08:00	22:08:00	54.7	72.3	59	52.2	1:29 PM	295120.92	54.7	295120.92	54.7	295120.92	794328.23
22:09:00	22:09:00	53.6	69.2	57	52.5	1:30 PM	229086.77	53.6	229086.77	53.6	229086.77	501187.23
22:10:00	22:10:00	55.3	73.7	58.6	52.4	1:31 PM	338844.16	55.3	338844.16	55.3	338844.16	724435.96
22:11:00	22:11:00	52.7	67.9	54.1	52	1:32 PM	186208.71	52.7	186208.71	52.7	186208.71	257039.58
22:12:00	22:12:00	55.3	83.3	63.9	52	1:33 PM	338844.16	55.3	338844.16	55.3	338844.16	2454708.92
22:13:00	22:13:00	53.1	67.9	55.3	52.2	1:34 PM	204173.79	53.1	204173.79	53.1	204173.79	338844.16
22:14:00	22:14:00	54.2	74.8	58.8	52.3	1:35 PM	263026.80	54.2	263026.80	54.2	263026.80	758577.58
22:15:00	22:15:00	52.7	66.9	53.9	51.8	1:36 PM	186208.71	52.7	186208.71	52.7	186208.71	245470.89
22:16:00	22:16:00	62	81.3	68.9	52	1:37 PM	1584893.19	62	1584893.19	62.0		

22:41:00	22:41:00	53.1	71.6	53.9	52.4	2:02 PM	204173.79	53.1	204173.79	53.1	204173.79	245470.89
22:42:00	22:42:00	55.9	79.4	66.2	51.8	2:03 PM	389045.14	55.9	389045.14	55.9	389045.14	4168693.83
22:43:00	22:43:00	61.1	83.8	68.2	53.9	2:04 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	6606934.48
22:44:00	22:44:00	57.8	80.7	64.6	52.5	2:05 PM	602559.59	57.8	602559.59	57.8	602559.59	2884031.50
22:45:00	22:45:00	55.4	76.6	61.7	52.1	2:06 PM	346736.85	55.4	346736.85	55.4	346736.85	1479108.39
22:46:00	22:46:00	52.9	74.6	54.2	52.3	2:07 PM	194984.46	52.9	194984.46	52.9	194984.46	263026.80
22:47:00	22:47:00	57.3	78.8	62.9	52.6	2:08 PM	537031.80	57.3	537031.80	57.3	537031.80	1949844.60
22:48:00	22:48:00	52.5	67.1	53.7	51.9	2:09 PM	177827.94	52.5	177827.94	52.5	177827.94	234422.88
22:49:00	22:49:00	52.4	66.1	53.1	51.8	2:10 PM	173780.08	52.4	173780.08	52.4	173780.08	204173.79
22:50:00	22:50:00	53.1	67.8	54.6	52.5	2:11 PM	204173.79	53.1	204173.79	53.1	204173.79	288403.15
22:51:00	22:51:00	52.7	66.8	53.3	52.2	2:12 PM	186208.71	52.7	186208.71	52.7	186208.71	213796.21
22:52:00	22:52:00	52.7	67.6	53.5	52.1	2:13 PM	186208.71	52.7	186208.71	52.7	186208.71	223872.11
22:53:00	22:53:00	52.4	66.5	53.3	51.7	2:14 PM	173780.08	52.4	173780.08	52.4	173780.08	213796.21
22:54:00	22:54:00	52.7	67.4	53.8	52	2:15 PM	186208.71	52.7	186208.71	52.7	186208.71	239883.29
22:55:00	22:55:00	60.9	83.7	68.4	52.3	2:16 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	6918309.71
22:56:00	22:56:00	55.3	77.3	60.5	52.2	2:17 PM	338844.16	55.3	338844.16	55.3	338844.16	1122018.45
22:57:00	22:57:00	55.8	75.2	60.6	51.9	2:18 PM	380189.40	55.8	380189.40	55.8	380189.40	1148153.62
22:58:00	22:58:00	52.4	68.3	53.7	51.4	2:19 PM	173780.08	52.4	173780.08	52.4	173780.08	234422.88
22:59:00	22:59:00	52.6	66.7	53.7	51.6	2:20 PM	181970.09	52.6	181970.09	52.6	181970.09	234422.88
23:00:00	23:00:00	52.7	67	53.6	52	2:21 PM	186208.71	52.7	186208.71	52.7	186208.71	229086.77
23:01:00	23:01:00	62.3	84.4	69.9	52.7	2:22 PM	1698243.65	62.3	1698243.65	62.3	1698243.65	9772372.21
23:02:00	23:02:00	52.5	65.9	53.1	51.9	2:23 PM	177827.94	52.5	177827.94	52.5	177827.94	204173.79
23:03:00	23:03:00	53.3	70.2	56.2	52.2	2:24 PM	213796.21	53.3	213796.21	53.3	213796.21	416869.38
23:04:00	23:04:00	54.2	70.4	56.8	52.1	2:25 PM	263026.80	54.2	263026.80	54.2	263026.80	478630.09
23:05:00	23:05:00	55.1	74.1	60.8	51.9	2:26 PM	323593.66	55.1	323593.66	55.1	323593.66	1202264.43
23:06:00	23:06:00	54.9	74.1	60.7	52.6	2:27 PM	309029.54	54.9	309029.54	54.9	309029.54	1174897.55
23:07:00	23:07:00	53.6	71.1	58	52.4	2:28 PM	229086.77	53.6	229086.77	53.6	229086.77	630957.34
23:08:00	23:08:00	55.3	75	61.7	52.3	2:29 PM	338844.16	55.3	338844.16	55.3	338844.16	1479108.39
23:09:00	23:09:00	55.3	69.9	57.6	53.3	2:30 PM	338844.16	55.3	338844.16	55.3	338844.16	575439.94
23:10:00	23:10:00	53.4	72.5	55.7	52.5	2:31 PM	218776.16	53.4	218776.16	53.4	218776.16	371535.23
23:11:00	23:11:00	52.8	66.4	53.4	52.4	2:32 PM	190546.07	52.8	190546.07	52.8	190546.07	218776.16
23:12:00	23:12:00	53.2	67.3	54.6	52.5	2:33 PM	208929.61	53.2	208929.61	53.2	208929.61	288403.15
23:13:00	23:13:00	53.2	67.6	54	52.6	2:34 PM	208929.61	53.2	208929.61	53.2	208929.61	251188.64
23:14:00	23:14:00	53.1	68.3	54.4	52.2	2:35 PM	204173.79	53.1	204173.79	53.1	204173.79	275422.87
23:15:00	23:15:00	52.9	67.6	54.2	52.1	2:36 PM	194984.46	52.9	194984.46	52.9	194984.46	263026.80
23:16:00	23:16:00	52.9	67.1	53.4	52.4	2:37 PM	194984.46	52.9	194984.46	52.9	194984.46	218776.16
23:17:00	23:17:00	52.9	70.1	53.9	52.1	2:38 PM	194984.46	52.9	194984.46	52.9	194984.46	245470.89
23:18:00	23:18:00	52.9	68.6	54	52.2	2:39 PM	194984.46	52.9	194984.46	52.9	194984.46	251188.64
23:19:00	23:19:00	61.2	79.6	68.6	52.4	2:40 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	7244359.60
23:20:00	23:20:00	55.9	76.3	61.1	52.3	2:41 PM	389045.14	55.9	389045.14	55.9	389045.14	1288249.55
23:21:00	23:21:00	54.8	83	60	52.5	2:42 PM	301995.17	54.8	301995.17	54.8	301995.17	1000000.00
23:22:00	23:22:00	53.8	80.8	57.5	52.2	2:43 PM	239883.29	53.8	239883.29	53.8	239883.29	562341.33
23:23:00	23:23:00	53.6	75.2	59.4	52.1	2:44 PM	229086.77	53.6	229086.77	53.6	229086.77	870963.59
23:24:00	23:24:00	54.6	80.5	62.2	51.8	2:45 PM	288403.15	54.6	288403.15	54.6	288403.15	1659586.91
23:25:00	23:25:00	53.1	69.8	56.1	52	2:46 PM	204173.79	53.1	204173.79	53.1	204173.79	407380.28
23:26:00	23:26:00	54.8	74.4	60.8	52.8	2:47 PM	301995.17	54.8	301995.17	54.8	301995.17	1202264.43
23:27:00	23:27:00	55	72.6	57	52.5	2:48 PM	316227.77	55	316227.77	55	316227.77	501187.23
23:28:00	23:28:00	52.6	67.5	53.5	52	2:49 PM	181970.09	52.6	181970.09	52.6	181970.09	223872.11
23:29:00	23:29:00	53.2	72.3	54.4	52.3	2:50 PM	208929.61	53.2	208929.61	53.2	208929.61	275422.87
23:30:00	23:30:00	52.9	68.1	54.3	52.2	2:51 PM	194984.46	52.9	194984.46	52.9	194984.46	269153.48
23:31:00	23:31:00	54.6	74.2	60	52.1	2:52 PM	288403.15	54.6	288403.15	54.6	288403.15	1000000.00
23:32:00	23:32:00	59.5	78.3	65.7	52.9	2:53 PM	891250.94	59.5	891250.94	59.5	891250.94	3715352.29
23:33:00	23:33:00	55.3	73.4	59.4	52	2:54 PM	338844.16	55.3	338844.16	55.3	338844.16	870963.59
23:34:00	23:34:00	52.5	66.6	53.1	51.8	2:55 PM	177827.94	52.5	177827.94	52.5	177827.94	204173.79
23:35:00	23:35:00	53.1	67.9	54.4	51.9	2:56 PM	204173.79	53.1	204173.79	53.1	204173.79	275422.87
23:36:00	23:36:00	52.8	66.7	54	52.1	2:57 PM	190546.07	52.8	190546.07	52.8	190546.07	251188.64
23:37:00	23:37:00	52.7	67	53.5	52	2:58 PM	186208.71	52.7	186208.71	52.7	186208.71	223872.11
23:38:00	23:38:00	52.9	67	53.5	52.3	2:59 PM	194984.46	52.9	194984.46	52.9	194984.46	223872.11
23:39:00	23:39:00	52.7	67.2	53.7	52.3	3:00 PM	186208.71	52.7	186208.71	52.7	186208.71	234422.88
23:40:00	23:40:00	52.5	67.1	53.4	51.8	3:01 PM	177827.94	52.5	177827.94	52.5	177827.94	218776.16
23:41:00	23:41:00	54.8	77.5	60.6	52.2	3:02 PM	301995.17	54.8	301995.17	54.8	301995.17	1148153.62
23:42:00	23:42:00	55.5	76.8	60.4	52.8	3:03 PM	354813.39	55.5	354813.39	55.5	354813.39	1096478.20
23:43:00	23:43:00	53.5	69.6	54.7	52.7	3:04 PM	223872.11	53.5	223872.11	53.5	223872.11	295120.92
23:44:00	23:44:00	53.3	80.9	56.1	52.3	3:05 PM	213796.21	53.3	213796.21	53.3	213796.21	407380.28
23:45:00	23:45:00	55.1	74.6	60	52.9	3:06 PM	323593.66	55.1	323593.66	55.1	323593.66	1000000.00
23:46:00	23:46:00	54	73.8	58.6	52.6	3:07 PM	251188.64	54	251188.64	54.0	251188.64	724435.96
23:47:00	23:47:00	57.6	76.5	62.2	54.6	3:08 PM	575439.94	57.6	575439.94	57.6	575439.94	1659586.91
23:48:00	23:48:00	55.8	71.6	59.5	53.3	3:09 PM	380189.40	55.8	380189.40	55.8	380189.40	891250.94
23:49:00	23:49:00	54.4	71.2	57.8	52.6	3:10 PM	275422.87	54.4	275422.87	54.4	275422.87	602559.59
23:50:00	23:50:00	54	69.3	55.9	52.9	3:11 PM	251188.64	54	251188.64	54.0	251188.64	389045.14
23:51:00	23:51:00	53.6	67.9	54.9	52.7	3:12 PM	229086.77	53.6	229086.77	53.6	229086.77	309029.54
23:52:00	23:52:00	53	67	53.8	52.5	3:13 PM	199526.23	53	199526.23	53.0	199526.23	239883.29
23:53:00	23:53:00	53.3	76.8	56.1	52.6	3:14 PM	213796.21	53.3	213796.21	53.3	213796.21	407380.28
23:54:00	23:54:00	54	72.9	55.3	53.1	3:15 PM	251188.64	54	251188.64	54.0	251188.64	338844.16
23:55:00	23:55:00	54.2	79.1	55.3	53.6	3:16 PM	263026.80	54.2	263026.80	54.2	263026.80	338844.16
23:56:00	23:56:00	55	75.3	55.9	54	3:17 PM	316227.77	55	316227.77	55.0	316227.77	389045.14
23:57:00	23:57:00	55	82.1	57.9	54	3:18 PM	316227.77	55	316227.77	55.0	316227.77	616595.00
23:58:00	23:58:00	55.1	73.8	57.4	53.6	3:19 PM	323593.66	55.1	323593.66	55.1	323593.66	549540.87
23:59:00	23:59:00	55.5	79.9	64	53.8	3:20 PM	354813.39	55.5	354813.39	55.5	354813.39	2511886.43
24:00:00	24:00:00	59.7	85.1	67.5	53.8	3:21 PM	933254.30	59.7	933254.30	59.7	933254.30	5623413.25

## Summary

Serial Number BGI040008  
 Start Time 17:43:02 27-Apr-2022  
 Run Length 24:00:00 5529600

UNIT REV R12N

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	114	
Date		17:41:36 27-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	24	24
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	57.4	57.3
Lmax	dB	90.3	90.2
Lmin	dB	42.9	42.8
Lpk	dB	106.7	106.6
TWA	dB	62.1	62.1
PTWA	dB	62.1	62.1
DOSE	%	1.64	1.63
PDOSE	%	1.64	1.63
SEL	dB	106.7	106.7
EXP	p2s	19	18

Measurement	Units	Value
LDN	dB	60.3
CNEL	dB	60
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	66.6
L08	dB	61.3
L25	dB	55.4
L50	dB	50.9

**CUP Site #5 - Measurement #2**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	90.3	66.6	64.9	64	63.3	62.7	62.1	61.7	61.3	60.9
10	60.5	60.1	59.8	59.5	59.2	58.9	58.6	58.2	57.9	57.5
20	57.1	56.7	56.4	56	55.7	55.4	55.2	54.9	54.7	54.5
30	54.2	54	53.8	53.6	53.4	53.2	53	52.9	52.7	52.5
40	52.3	52.2	52	51.8	51.7	51.5	51.4	51.3	51.1	51
50	50.9	50.8	50.7	50.6	50.5	50.4	50.3	50.2	50.1	50
60	49.9	49.8	49.7	49.7	49.6	49.5	49.4	49.3	49.2	49.2
70	49.1	49	48.9	48.9	48.8	48.7	48.6	48.6	48.5	48.4
80	48.3	48.3	48.2	48.1	48	48	47.9	47.8	47.7	47.6
90	47.6	47.5	47.4	47.3	47.2	47	46.9	46.6	46.2	45.2

Raw Stat Table

dB	Count
42.9	57
43	45
43.1	67
43.2	90
43.3	173
43.4	450
43.5	531
43.6	423
43.7	553
43.8	909
43.9	1649
44	1998
44.1	2329
44.2	2116
44.3	3088
44.4	2767
44.5	3090
44.6	3623
44.7	3908
44.8	3974
44.9	4376
45	4747
45.1	4623
45.2	4666
45.3	5430
45.4	5355
45.5	5154
45.6	5127
45.7	5113
45.8	4883
45.9	4578

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
42										0
43	0	0	0	0	0	0	0	0.01	0.01	0.02
44	0.03	0.04	0.03	0.05	0.05	0.05	0.06	0.07	0.07	0.07
45	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.08
46	0.08	0.11	0.13	0.14	0.18	0.23	0.25	0.33	0.43	0.51
47	0.62	0.77	0.56	0.87	0.9	1.02	1.12	1.21	1.2	1.24
48	1.27	1.29	1.32	1.31	1.35	1.33	1.31	1.32	1.35	1.33
49	1.31	1.34	1.32	1.27	1.22	1.19	1.24	1.23	1.25	1.26
50	1.27	1.24	0.79	1.03	1	0.99	1	0.96	0.94	0.87
51	0.83	0.81	0.77	0.76	0.76	0.75	0.7	0.69	0.67	0.65
52	0.64	0.62	0.62	0.58	0.6	0.57	0.56	0.55	0.54	0.55
53	0.57	0.59	0.39	0.53	0.53	0.53	0.5	0.5	0.51	0.49
54	0.47	0.47	0.49	0.46	0.46	0.45	0.45	0.46	0.45	0.42
55	0.4	0.41	0.38	0.37	0.36	0.35	0.35	0.34	0.33	0.33
56	0.34	0.34	0.23	0.3	0.29	0.28	0.28	0.27	0.28	0.27
57	0.27	0.27	0.26	0.26	0.25	0.24	0.24	0.25	0.25	0.25
58	0.25	0.26	0.27	0.27	0.28	0.28	0.29	0.3	0.32	0.31

**CUP Site #5 - Measurement #2**

Summary

59	0.32	0.35	0.27	0.3	0.33	0.34	0.34	0.33	0.34	0.33	46	4881
60	0.32	0.32	0.31	0.29	0.28	0.28	0.26	0.26	0.25	0.25	46.1	6534
61	0.25	0.26	0.24	0.24	0.23	0.23	0.24	0.23	0.23	0.22	46.2	7408
62	0.23	0.24	0.2	0.11	0.19	0.19	0.19	0.18	0.18	0.17	46.3	8029
63	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.13	0.12	0.12	46.4	10265
64	0.12	0.12	0.11	0.11	0.11	0.1	0.1	0.1	0.1	0.1	46.5	12784
65	0.1	0.09	0.1	0.05	0.07	0.07	0.07	0.06	0.06	0.05	46.6	14027
66	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	46.7	18396
67	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	46.8	24096
68	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	46.9	28430
69	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	47	34700
70	0	0	0	0	0	0	0	0	0	0	47.1	43061
71	0	0	0	0	0	0	0	0	0	0	47.2	31158
72	0	0	0	0	0	0	0	0	0	0	47.3	48568
73	0	0	0	0	0	0	0	0	0	0	47.4	49798
74	0	0	0	0	0	0	0	0	0	0	47.5	56711
75	0	0	0	0	0	0	0	0	0	0	47.6	61951
76	0	0	0	0	0	0	0	0	0	0	47.7	67120
77	0	0	0	0	0	0	0	0	0	0	47.8	66494
78	0	0	0	0	0	0	0	0	0	0	47.9	69094
79	0	0	0	0	0	0	0	0	0	0	48	70666
80	0	0	0	0	0	0	0	0	0	0	48.1	71856
81	0	0	0	0	0	0	0	0	0	0	48.2	73273
82	0	0	0	0	0	0	0	0	0	0	48.3	72586
83	0	0	0	0	0	0	0	0	0	0	48.4	74890
84	0	0	0	0	0	0	0	0	0	0	48.5	73559
85	0	0	0	0	0	0	0	0	0	0	48.6	72840
86	0	0	0	0	0	0	0	0	0	0	48.7	73375
87	0	0	0	0	0	0	0	0	0	0	48.8	75044
88	0	0	0	0	0	0	0	0	0	0	48.9	73731
89	0	0	0	0	0	0	0	0	0	0	49	72936
90	0	0	0	0							49.1	74555
											49.2	73236
											49.3	70345
											49.4	67790
											49.5	66277
											49.6	68583
											49.7	68177
											49.8	69129
											49.9	70187
											50	70244
											50.1	68801
											50.2	43759

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		60	86.7	67	48.8
	0:02:00	0:02:00		55.9	78.8	62.9	50
	0:03:00	0:03:00		59	79.9	64.3	51.3
	0:04:00	0:04:00		57.6	94.9	64.7	48
	0:05:00	0:05:00		58.6	79.6	65.2	51.1
	0:06:00	0:06:00		58.4	86.5	65.7	50.8
	0:07:00	0:07:00		68.8	93.2	81	48.5
	0:08:00	0:08:00		59.1	85.2	65.9	48.8
	0:09:00	0:09:00		58.4	85.4	64.3	48
	0:10:00	0:10:00		56.9	79.2	61.6	50.3
	0:11:00	0:11:00		59	83.2	65.9	48.9
	0:12:00	0:12:00		55	79.7	63.9	46.7
	0:13:00	0:13:00		51.5	77.6	59.7	46
	0:14:00	0:14:00		60.4	89.9	68	46.1
	0:15:00	0:15:00		53	77.5	62	45.9
	0:16:00	0:16:00		54.1	78.4	62.8	45.9
	0:17:00	0:17:00		55.5	81.3	63.2	48
	0:18:00	0:18:00		57.1	80.1	65.3	48.3
	0:19:00	0:19:00		55.3	82.5	65.4	46.8
	0:20:00	0:20:00		58.7	84.3	65.9	47
	0:21:00	0:21:00		58.2	82.9	65.5	48.4
	0:22:00	0:22:00		56	89.6	65.7	47.9
	0:23:00	0:23:00		57.5	76.8	63.1	50.2
	0:24:00	0:24:00		59.9	82.1	65	46.3
	0:25:00	0:25:00		51.4	77.1	59.3	46.3
	0:26:00	0:26:00		59.4	85.6	67.7	48.6
	0:27:00	0:27:00		57.4	82	66.3	49.3
	0:28:00	0:28:00		52.1	75.8	60.5	46.7
	0:29:00	0:29:00		55.7	84	63.3	46.7
	0:30:00	0:30:00		58.1	83.4	65.4	48.2
	0:31:00	0:31:00		57.3	83.1	65.4	49.1
	0:32:00	0:32:00		56.1	83.3	64.1	47.8
	0:33:00	0:33:00		52.8	82.5	61.1	47
	0:34:00	0:34:00		59.7	82.1	63.8	50.9
	0:35:00	0:35:00		57.1	90.6	63.9	48.9
	0:36:00	0:36:00		60.5	81.7	67.1	50.2
	0:37:00	0:37:00		57.9	81.7	64.4	48.6
	0:38:00	0:38:00		57.1	84.1	62.8	48.9
	0:39:00	0:39:00		53.8	81.5	62.9	47.7
	0:40:00	0:40:00		56.7	82.5	66.2	48.7
	0:41:00	0:41:00		55.5	84.4	62.5	49.5
	0:42:00	0:42:00		57.5	84.5	64.9	50.7
	0:43:00	0:43:00		55.2	84.5	64.6	49.7
	0:44:00	0:44:00		61.3	87.5	71.1	49.4
	0:45:00	0:45:00		55.8	77.1	65.2	49.1
	0:46:00	0:46:00		57.1	79.7	62.3	51.2
	0:47:00	0:47:00		55.1	79.4	62.6	49.4
	0:48:00	0:48:00		53.9	78.1	62.1	47.8
	0:49:00	0:49:00		60	86.8	66.7	49
	0:50:00	0:50:00		60.8	87.3	67	49.6
	0:51:00	0:51:00		57.3	84.1	64.3	50
	0:52:00	0:52:00		57.2	81	65.2	52.1
	0:53:00	0:53:00		69.2	95.8	78.2	50.4
	0:54:00	0:54:00		58.5	82	64.7	50
	0:55:00	0:55:00		58.9	85.8	68.1	49.2
	0:56:00	0:56:00		57.6	83.3	62.8	49.7
	0:57:00	0:57:00		56.3	82.8	65.8	49.2
	0:58:00	0:58:00		65.7	86.5	71.9	51
	0:59:00	0:59:00		53.9	83.2	64	48.8
	1:00:00	1:00:00		56.9	85.9	65.6	49
	1:01:00	1:01:00		57	83	64.7	47.5
	1:02:00	1:02:00		55.2	82	62.8	48.3
	1:03:00	1:03:00		52.7	81.2	60.1	48.3
	1:04:00	1:04:00		54.5	85.9	61.3	48.5
	1:05:00	1:05:00		55.8	81.4	63.7	49.4
	1:06:00	1:06:00		54.5	77.8	62.5	49.4
	1:07:00	1:07:00		58.9	82.7	67	49.1
	1:08:00	1:08:00		58.3	86.3	65.6	48.8
	1:09:00	1:09:00		58.2	84.4	65.2	48.5
	1:10:00	1:10:00		58.6	82.2	65.5	48
	1:11:00	1:11:00		57.4	85.3	65.7	49
	1:12:00	1:12:00		68.9	94.6	79.9	53.8
	1:13:00	1:13:00		58.4	84.5	65.2	48.9
	1:14:00	1:14:00		53.4	75.2	61.4	48.6
	1:15:00	1:15:00		59.8	88.9	65.8	49
	1:16:00	1:16:00		56.5	81.4	63.5	49.4
	1:17:00	1:17:00		59.3	87.4	69	49.4
	1:18:00	1:18:00		53.3	76.7	60.8	47.8
	1:19:00	1:19:00		54.8	80.8	62.5	48.1
	1:20:00	1:20:00		55.3	81	60.9	48.6
	1:21:00	1:21:00		57.7	82.6	65.8	48.7
	1:22:00	1:22:00		61	84.5	67.4	52.2
	1:23:00	1:23:00		55.3	77.7	61.8	48.3
	1:24:00	1:24:00		57.9	86	65.2	48
	1:25:00	1:25:00		55.6	77.7	62.8	48.9
	1:26:00	1:26:00		57.1	83.5	65.7	48.1
	1:27:00	1:27:00		59.7	88.2	66.1	50
	1:28:00	1:28:00		52.6	76.5	64	48
	1:29:00	1:29:00		55.5	83	64.1	48.7
	1:30:00	1:30:00		59.2	82.9	70.1	48.5
	1:31:00	1:31:00		57.7	81.3	66.5	47.4
	1:32:00	1:32:00		54	81.5	64.2	47.5
	1:33:00	1:33:00		55.6	78.2	60.2	49.6
	1:34:00	1:34:00		49.7	68	53.1	48.2
	1:35:00	1:35:00		52	78.1	59.8	47.7
	1:36:00	1:36:00		56.5	78.9	63.1	47.8
	1:37:00	1:37:00		56.7	78.5	62.7	47.3
	1:38:00	1:38:00		53.4	77.5	61.6	46.9
	1:39:00	1:39:00		57.1	83.9	64.9	47.7
	1:40:00	1:40:00		56.2	79.8	64.9	47.6

	Daytime	Nighttime
L <sub>eq</sub>	59.0	51.2
L <sub>max</sub>	90.3	70.2
CNEL	60.3	
L <sub>dn</sub>	60.0	
L <sub>50</sub>	59.1	54.9
L <sub>25</sub>	61.4	56.1
L <sub>10</sub>	64.6	57.9
L <sub>17</sub>	77.2	60.8
L <sub>max</sub>	90.3	70.2

	L <sub>eq</sub>	L <sub>max</sub>
7:30 a.m. - 9:30 p.m.	58.9	90.3
9:30 p.m. - 7:30 a.m.	52.0	72.4

Time	L <sub>eq</sub> 10 <sup>(K/10)</sup>	CNEL	CNEL 10 <sup>(K/10)</sup>	L <sub>dn</sub>	L <sub>dn</sub> 10 <sup>(K/10)</sup>	L <sub>max</sub> 10 <sup>(K/10)</sup>
5:43 PM						
5:44 PM	1000000.00	60	1000000.00	60.0	1000000.00	5011872.34
5:45 PM	389045.14	55.9	389045.14	55.9	389045.14	1949844.60
5:46 PM	794328.23	59	794328.23	59.0	794328.23	2691534.80
5:47 PM	575439.94	57.6	575439.94	57.6	575439.94	2951209.23
5:48 PM	724435.96	58.6	724435.96	58.6	724435.96	3311311.21
5:49 PM	691830.97	58.4	691830.97	58.4	691830.97	3715352.29
5:50 PM	7585775.75	68.8	7585775.75	68.8	7585775.75	125892541.18
5:51 PM	812830.52	59.1	812830.52	59.1	812830.52	3890451.45
5:52 PM	691830.97	58.4	691830.97	58.4	691830.97	2691534.80
5:53 PM	489778.82	56.9	489778.82	56.9	489778.82	1445439.77
5:54 PM	794328.23	59	794328.23	59.0	794328.23	3890451.45
5:55 PM	316227.77	55	316227.77	55.0	316227.77	2454708.92
5:56 PM	141253.75	51.5	141253.75	51.5	141253.75	933254.30
5:57 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	6309573.44
5:58 PM	199526.23	53	199526.23	53.0	199526.23	1584893.19
5:59 PM	257039.58	54.1	257039.58	54.1	257039.58	1905460.72
6:00 PM	354813.39	55.5	354813.39	55.5	354813.39	2089296.13
6:01 PM	512861.38	57.1	512861.38	57.1	512861.38	3388444.16
6:02 PM	338844.16	55.3	338844.16	55.3	338844.16	3467368.50
6:03 PM	741310.24	58.7	741310.24	58.7	741310.24	3890451.45
6:04 PM	660693.45	58.2	660693.45	58.2	660693.45	3548133.89
6:05 PM	398107.17	56	398107.17	56.0	398107.17	3715352.29
6:06 PM	562341.33	57.5	562341.33	57.5	562341.33	2041737.94
6:07 PM	977237.22	59.9	977237.22	59.9	977237.22	3162277.66
6:08 PM	138038.43	51.4	138038.43	51.4	138038.43	851138.04
6:09 PM	870963.59	59.4	870963.59	59.4	870963.59	5888436.55
6:10 PM	549540.87	57.4	549540.87	57.4	549540.87	4265795.19
6:11 PM	162181.01	52.1	162181.01	52.1	162181.01	1122018.45
6:12 PM	371535.23	55.7	371535.23	55.7	371535.23	2317962.09
6:13 PM	645654.23	58.1	645654.23	58.1	645654.23	3467368.50
6:14 PM	537031.80	57.3	537031.80	57.3	537031.80	3467368.50
6:15 PM	407380.28	56.1	407380.28	56.1	407380.28	2570395.78
6:16 PM	190546.07	52.8	190546.07	52.8	190546.07	1288249.55
6:17 PM	933254.30	59.7	933254.30	59.7	933254.30	2398832.92
6:18 PM	512861.38	57.1	512861.38	57.1	512861.38	2454708.92
6:19 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	5128613.84
6:20 PM	616595.00	57.9	616595.00	57.9	616595.00	2754228.70
6:21 PM	512861.38	57.1	512861.38	57.1	512861.38	1905460.72
6:22 PM	239883.29	53.8	239883.29	53.8	239883.29	1949844.60
6:23 PM	467735.14	56.7	467735.14	56.7	467735.14	4168693.83
6:24 PM	354813.39	55.5	354813.39	55.5	354813.39	1778279.41
6:25 PM	562341.33	57.5	562341.33	57.5	562341.33	3090295.43
6:26 PM	331131.12	55.2	331131.12	55.2	331131.12	2884031.50
6:27 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	12882495.52
6:28 PM	380189.40	55.8	380189.40	55.8	380189.40	3311311.21
6:29 PM	512861.38	57.1	512861.38	57.1	512861.38	

Data

1:41:00	1:41:00	48	64.8	52.1	46.8	7:24 PM	63095.73	53	199526.23	48.0	63095.73	162181.01
1:42:00	1:42:00	58.9	81.3	66.4	50.3	7:25 PM	776247.12	63.9	2454708.92	58.9	776247.12	4365158.32
1:43:00	1:43:00	58.1	82.9	66.6	46.9	7:26 PM	645654.23	63.1	2041737.94	58.1	645654.23	4570881.90
1:44:00	1:44:00	54.1	83.2	62.3	46.6	7:27 PM	257039.58	59.1	812830.52	54.1	257039.58	1698243.65
1:45:00	1:45:00	55.7	82	63.4	47.3	7:28 PM	371535.23	60.7	1174897.55	55.7	371535.23	2187761.62
1:46:00	1:46:00	57.9	81.6	66	48.2	7:29 PM	616595.00	62.9	1949844.60	57.9	616595.00	3981071.71
1:47:00	1:47:00	57.4	82.6	65.8	47.8	7:30 PM	549540.87	62.4	1737800.83	57.4	549540.87	3801893.96
1:48:00	1:48:00	52.6	81	59.3	48.4	7:31 PM	181970.09	57.6	575439.94	52.6	181970.09	851138.04
1:49:00	1:49:00	57	81.7	64	50.4	7:32 PM	501187.23	62	1584893.19	57.0	501187.23	2511886.43
1:50:00	1:50:00	59.3	83.5	68.5	48.9	7:33 PM	851138.04	64.3	2691534.80	59.3	851138.04	7079457.84
1:51:00	1:51:00	56.8	83.4	65.2	48.2	7:34 PM	478630.09	61.8	1513561.25	56.8	478630.09	3311311.21
1:52:00	1:52:00	55.4	87.1	65.6	47.8	7:35 PM	346736.85	60.4	1096478.20	55.4	346736.85	3630780.55
1:53:00	1:53:00	51.7	76.7	61.3	47.4	7:36 PM	147910.84	56.7	467735.14	51.7	147910.84	1348962.88
1:54:00	1:54:00	53.6	82.2	64.6	47	7:37 PM	229086.77	58.6	724435.96	53.6	229086.77	2884031.50
1:55:00	1:55:00	53.3	81.1	61.9	47.3	7:38 PM	213796.21	58.3	676082.98	53.3	213796.21	1548816.62
1:56:00	1:56:00	57	79.8	67.1	47.9	7:39 PM	501187.23	62	1584893.19	57.0	501187.23	5128613.84
1:57:00	1:57:00	59.3	84.6	67.8	48.8	7:40 PM	851138.04	64.3	2691534.80	59.3	851138.04	6025595.86
1:58:00	1:58:00	56.4	79.8	64.1	47.5	7:41 PM	436515.83	61.4	1380384.26	56.4	436515.83	2570395.78
1:59:00	1:59:00	48.9	68	54.2	47.4	7:42 PM	77624.71	53.9	245470.89	48.9	77624.71	263026.80
2:00:00	2:00:00	50.2	76.6	61.1	46.7	7:43 PM	104712.85	55.2	331131.12	50.2	104712.85	1288249.55
2:01:00	2:01:00	55.6	82.1	63.4	47.2	7:44 PM	363078.05	60.6	1148153.62	55.6	363078.05	2187761.62
2:02:00	2:02:00	52.8	83.4	64.1	47.7	7:45 PM	190546.07	57.8	602559.59	52.8	190546.07	2570395.78
2:03:00	2:03:00	57.1	83	66.2	48	7:46 PM	512861.38	62.1	1621810.10	57.1	512861.38	4168693.83
2:04:00	2:04:00	55.6	80.4	63.4	47.9	7:47 PM	363078.05	60.6	1148153.62	55.6	363078.05	2187761.62
2:05:00	2:05:00	57.6	88.4	66.9	47.6	7:48 PM	575439.94	62.6	1819700.86	57.6	575439.94	4897788.19
2:06:00	2:06:00	53.6	79.3	61.5	47.1	7:49 PM	229086.77	58.6	724435.96	53.6	229086.77	1412537.54
2:07:00	2:07:00	55.6	80	63.8	47	7:50 PM	363078.05	60.6	1148153.62	55.6	363078.05	2398832.92
2:08:00	2:08:00	58.4	80.5	63.8	49.7	7:51 PM	691830.97	63.4	2187761.62	58.4	691830.97	2398832.92
2:09:00	2:09:00	56.3	84.7	67.3	47.6	7:52 PM	426579.52	61.3	1348962.88	56.3	426579.52	5370317.96
2:10:00	2:10:00	55.2	83.2	64.3	47	7:53 PM	331131.12	60.2	1047128.55	55.2	331131.12	2691534.80
2:11:00	2:11:00	56.2	83.7	64.5	48.3	7:54 PM	416869.38	61.2	1318256.74	56.2	416869.38	2818382.93
2:12:00	2:12:00	54.7	81.2	62.7	48	7:55 PM	295120.92	59.7	933254.30	54.7	295120.92	1862087.14
2:13:00	2:13:00	57.5	90.8	66.8	48.1	7:56 PM	562341.33	62.5	1778279.41	57.5	562341.33	4786300.92
2:14:00	2:14:00	58.4	82.7	64.9	47.9	7:57 PM	691830.97	63.4	2187761.62	58.4	691830.97	3909295.43
2:15:00	2:15:00	55.6	82.2	64.5	47.6	7:58 PM	363078.05	60.6	1148153.62	55.6	363078.05	2818382.93
2:16:00	2:16:00	53.2	84.8	66.9	47.9	7:59 PM	208929.61	58.2	660693.45	53.2	208929.61	4897788.19
2:17:00	2:17:00	57.7	81.4	66.9	48.4	8:00 PM	588843.66	62.7	1862087.14	57.7	588843.66	4897788.19
2:18:00	2:18:00	53.9	78.3	60.9	48.2	8:01 PM	245470.89	58.9	776247.12	53.9	245470.89	1230268.77
2:19:00	2:19:00	52.9	74.3	60.1	48.8	8:02 PM	194984.46	57.9	616595.00	52.9	194984.46	1023292.99
2:20:00	2:20:00	56	76.3	62.9	47.4	8:03 PM	398107.17	61	1258925.41	56.0	398107.17	1949844.60
2:21:00	2:21:00	57	91	65.3	49.2	8:04 PM	501187.23	62	1584893.19	57.0	501187.23	3388441.56
2:22:00	2:22:00	49.7	68.1	54.7	47.2	8:05 PM	93325.43	54.7	295120.92	49.7	93325.43	295120.92
2:23:00	2:23:00	51.6	72.8	58.6	47.3	8:06 PM	144543.98	56.6	457088.19	51.6	144543.98	724435.96
2:24:00	2:24:00	56.2	84.2	64.6	48	8:07 PM	416869.38	61.2	1318256.74	56.2	416869.38	2884031.50
2:25:00	2:25:00	54.8	78.6	61.8	48.5	8:08 PM	301995.17	59.8	954992.59	54.8	301995.17	1513561.25
2:26:00	2:26:00	57.8	83.5	63.7	49.6	8:09 PM	602559.59	62.8	1905460.72	57.8	602559.59	2344228.82
2:27:00	2:27:00	58.5	81.6	65.7	49.7	8:10 PM	707945.78	63.5	2238721.14	58.5	707945.78	3715352.29
2:28:00	2:28:00	54.7	81.1	62.8	47.4	8:11 PM	295120.92	59.7	933254.30	54.7	295120.92	1905460.72
2:29:00	2:29:00	52.2	74.8	59.9	47.8	8:12 PM	165958.69	57.2	524807.46	52.2	165958.69	977237.22
2:30:00	2:30:00	56.2	75.7	61.8	47.3	8:13 PM	416869.38	61.2	1318256.74	56.2	416869.38	1513561.25
2:31:00	2:31:00	56.4	83.2	67.1	46.8	8:14 PM	436515.83	61.4	1380384.26	56.4	436515.83	5128613.84
2:32:00	2:32:00	57.9	79	64.7	48.6	8:15 PM	616595.00	62.9	1949844.60	57.9	616595.00	2951209.23
2:33:00	2:33:00	56.6	84.2	65.9	46.8	8:16 PM	457088.19	61.6	1445439.77	56.6	457088.19	3890451.45
2:34:00	2:34:00	53.9	82.1	65.5	47.3	8:17 PM	245470.89	58.9	776247.12	53.9	245470.89	3548133.89
2:35:00	2:35:00	57	79	65.2	49.7	8:18 PM	501187.23	62	1584893.19	57.0	501187.23	3311311.21
2:36:00	2:36:00	53.4	77.4	59.6	47.9	8:19 PM	218776.16	58.4	691830.97	53.4	218776.16	912101.84
2:37:00	2:37:00	55.7	82	63.2	47.6	8:20 PM	371535.23	60.7	1174897.55	55.7	371535.23	2089296.13
2:38:00	2:38:00	53.5	81	65.1	47.5	8:21 PM	223872.11	58.5	707945.78	53.5	223872.11	3235936.57
2:39:00	2:39:00	56	82	64.9	48.6	8:22 PM	398107.17	61	1258925.41	56.0	398107.17	3090295.43
2:40:00	2:40:00	57.9	78.1	63	48.7	8:23 PM	616595.00	62.9	1949844.60	57.9	616595.00	1995262.31
2:41:00	2:41:00	57.9	80	64.9	48.8	8:24 PM	616595.00	62.9	1949844.60	57.9	616595.00	3090295.43
2:42:00	2:42:00	50.9	71	58.7	47.5	8:25 PM	123026.88	55.9	389045.14	50.9	123026.88	741310.24
2:43:00	2:43:00	48.8	68.2	56	47	8:26 PM	75857.76	53.8	239883.29	48.8	75857.76	398107.17
2:44:00	2:44:00	57.8	81.8	66.3	48.1	8:27 PM	602559.59	62.8	1905460.72	57.8	602559.59	4265795.19
2:45:00	2:45:00	56.4	83	64.2	47.9	8:28 PM	436515.83	61.4	1380384.26	56.4	436515.83	2630267.99
2:46:00	2:46:00	60.2	85.1	70.6	48.9	8:29 PM	1047128.55	65.2	3311311.21	60.2	1047128.55	11481536.21
2:47:00	2:47:00	56.7	81.1	66.1	48.8	8:30 PM	467735.14	61.7	1479108.39	56.7	467735.14	4073802.78
2:48:00	2:48:00	53.4	79	62.4	47.9	8:31 PM	218776.16	58.4	691830.97	53.4	218776.16	1737800.83
2:49:00	2:49:00	50.1	72.2	58	47.3	8:32 PM	102329.30	55.1	323593.66	50.1	102329.30	630957.34
2:50:00	2:50:00	47.4	62.1	49	46.6	8:33 PM	54954.09	52.4	173780.08	47.4	54954.09	79432.82
2:51:00	2:51:00	57.1	81.7	65.5	48	8:34 PM	512861.38	62.1	1621810.10	57.1	512861.38	3548133.89
2:52:00	2:52:00	49.8	78.8	61.7	46.5	8:35 PM	95499.26	54.8	301995.17	49.8	95499.26	1479108.39
2:53:00	2:53:00	56.3	83	64.9	48.2	8:36 PM	426579.52	61.3	1348962.88	56.3	426579.52	3090295.43
2:54:00	2:54:00	53.8	82.6	62.5	46	8:37 PM	239883.29	58.8	758577.58	53.8	239883.29	1778279.41
2:55:00	2:55:00	47.6	62	48.7	46.3	8:38 PM	57543.99	52.6	181970.09	47.6	57543.99	74131.02
2:56:00	2:56:00	58.2	85.2	68.3	46.9	8:39 PM	660693.45	63.2	2089296.13	58.2	660693.45	6760829.75
2:57:00	2:57:00	53.3	82.6	64.4	46.9	8:40 PM	213796.21	58.3	676082.98	53.3	213796.21	2754228.70
2:58:00	2:58:00	52.3	68.6	59.7	48.6	8:41 PM	169824.37	57.3	537031.80	52.3	169824.37	933254.30
2:59:00	2:59:00	56.1	84.3	65	48.6	8:42 PM	407380.28	61.1	1288249.55	56.1	407380.28	3162277.66
3:00:00	3:00:00	55.4	84.6	66.3	48.1	8:43 PM	346736.85	60.4	1096478.20	55.4	346736.85	4265795.19
3:01:00	3:01:00	56.1	86.3	67.9	48	8:44 PM	407380.28	61.1	1288249.55	56.1	407380.28	6165950.02
3:02:00	3:02:00	58.9	82	68.7	48	8:45 PM	776247.12	63.9	2454708.92	58.9	776247.12	

3:26:00	3:26:00	52.4	77.8	60.8	47.3	9:09 PM	173780.08	57.4	549540.87	52.4	173780.08	1202264.43
3:27:00	3:27:00	53.3	81.1	64.6	46.1	9:10 PM	213796.21	58.3	676082.98	53.3	213796.21	2884031.50
3:28:00	3:28:00	47.2	61.8	48.5	46.6	9:11 PM	52480.75	52.2	165958.69	47.2	52480.75	70794.58
3:29:00	3:29:00	48.4	62.4	50	46.9	9:12 PM	69183.10	53.4	218776.16	48.4	69183.10	100000.00
3:30:00	3:30:00	48.1	65.3	53.2	46.8	9:13 PM	64565.42	53.1	204173.79	48.1	64565.42	208929.61
3:31:00	3:31:00	53	80.1	62.8	46.9	9:14 PM	199526.23	58	630957.34	53.0	199526.23	1905460.72
3:32:00	3:32:00	52.3	77	61.2	47.5	9:15 PM	169824.37	57.3	537031.80	52.3	169824.37	1318256.74
3:33:00	3:33:00	57.5	83.6	63.9	48.6	9:16 PM	562341.33	62.5	1778279.41	57.5	562341.33	2454708.92
3:34:00	3:34:00	51.4	75.6	59.6	46.8	9:17 PM	138038.43	56.4	436515.83	51.4	138038.43	91210.84
3:35:00	3:35:00	48.5	70.4	53	46.8	9:18 PM	70794.58	53.5	223872.11	48.5	70794.58	199526.23
3:36:00	3:36:00	52.7	82.9	62	46.8	9:19 PM	186208.71	57.7	588843.66	52.7	186208.71	1584893.19
3:37:00	3:37:00	51.9	79.8	61.1	46.2	9:20 PM	154881.66	56.9	489778.82	51.9	154881.66	1288249.55
3:38:00	3:38:00	55.2	80.9	62.7	46.5	9:21 PM	331131.12	60.2	1047128.55	55.2	331131.12	1862087.14
3:39:00	3:39:00	48.2	66.3	51.1	47	9:22 PM	66069.34	53.2	208929.61	48.2	66069.34	128824.96
3:40:00	3:40:00	47.7	72	55.2	46.5	9:23 PM	58884.37	52.7	186208.71	47.7	58884.37	331131.12
3:41:00	3:41:00	54.7	82.7	65.4	46	9:24 PM	295120.92	59.7	933254.30	54.7	295120.92	3467368.50
3:42:00	3:42:00	53.6	81.2	65.1	46.1	9:25 PM	229086.77	58.6	724435.96	53.6	229086.77	3235936.57
3:43:00	3:43:00	56.1	83.7	64.1	47.1	9:26 PM	407380.28	61.1	1288249.55	56.1	407380.28	2570395.78
3:44:00	3:44:00	58.7	83.1	66.8	48.1	9:27 PM	741310.24	63.7	2344228.82	58.7	741310.24	4786300.92
3:45:00	3:45:00	54.3	83.4	65.1	47.6	9:28 PM	269153.48	59.3	851138.04	54.3	269153.48	3235936.57
3:46:00	3:46:00	53.7	81.7	64.7	46.9	9:29 PM	234422.88	58.7	741310.24	53.7	234422.88	2951209.23
3:47:00	3:47:00	54.3	79.9	64.4	47.1	9:30 PM	269153.48	59.3	851138.04	54.3	269153.48	2754228.70
3:48:00	3:48:00	48.2	63.2	49.7	47.1	9:31 PM	66069.34	53.2	208929.61	48.2	66069.34	93325.43
3:49:00	3:49:00	52.3	75.8	60.5	47.3	9:32 PM	169824.37	57.3	537031.80	52.3	169824.37	1122018.45
3:50:00	3:50:00	52.6	86.6	62.5	47.1	9:33 PM	181970.09	57.6	575439.94	52.6	181970.09	1778279.41
3:51:00	3:51:00	54.5	84.1	66.5	47.8	9:34 PM	281838.29	59.5	891250.94	54.5	281838.29	4466835.92
3:52:00	3:52:00	55.7	78.8	63.5	48.2	9:35 PM	371535.23	60.7	1174897.55	55.7	371535.23	2238721.14
3:53:00	3:53:00	51.6	70.3	55.8	48.6	9:36 PM	144543.98	56.6	457088.19	51.6	144543.98	380189.40
3:54:00	3:54:00	48.9	63.5	50.7	47.4	9:37 PM	77624.71	53.9	245470.89	48.9	77624.71	117489.76
3:55:00	3:55:00	48.3	62.4	49.4	46.9	9:38 PM	67608.30	53.3	213796.21	48.3	67608.30	87096.36
3:56:00	3:56:00	48.8	62.7	49.9	48.1	9:39 PM	75857.76	53.8	239883.29	48.8	75857.76	97723.72
3:57:00	3:57:00	48.4	63.5	49.4	47.1	9:40 PM	69183.10	53.4	218776.16	48.4	69183.10	87096.36
3:58:00	3:58:00	49	64.1	53.8	47.6	9:41 PM	79432.82	54	251188.64	49.0	79432.82	239883.29
3:59:00	3:59:00	48.5	63	49.9	47.4	9:42 PM	70794.58	53.5	223872.11	48.5	70794.58	97723.72
4:00:00	4:00:00	49.1	64.2	50.5	47.9	9:43 PM	81283.05	54.1	257039.58	49.1	81283.05	112201.85
4:01:00	4:01:00	48.5	63.5	49.8	46.9	9:44 PM	70794.58	53.5	223872.11	48.5	70794.58	95499.26
4:02:00	4:02:00	48.6	62.8	49.8	47	9:45 PM	72443.60	53.6	229086.77	48.6	72443.60	95499.26
4:03:00	4:03:00	47.7	62.4	48.7	47.1	9:46 PM	58884.37	52.7	186208.71	47.7	58884.37	741310.24
4:04:00	4:04:00	54.2	77.3	63.5	47.8	9:47 PM	263026.80	59.2	831763.77	54.2	263026.80	2238721.14
4:05:00	4:05:00	47.8	63.8	49.2	46.7	9:48 PM	60255.96	52.8	190546.07	47.8	60255.96	83176.38
4:06:00	4:06:00	47.9	62.5	49.3	46.8	9:49 PM	61659.50	52.9	194984.46	47.9	61659.50	85113.80
4:07:00	4:07:00	52.4	79.5	60.8	46.5	9:50 PM	173780.08	57.4	549540.87	52.4	173780.08	1202264.43
4:08:00	4:08:00	51.7	69.5	57.4	48	9:51 PM	147910.84	56.7	467735.14	51.7	147910.84	549540.87
4:09:00	4:09:00	49.8	66.5	53.6	47.9	9:52 PM	95499.26	54.8	301995.17	49.8	95499.26	229086.77
4:10:00	4:10:00	55.6	80.4	64.9	47.9	9:53 PM	363078.05	60.6	1148153.62	55.6	363078.05	3090295.43
4:11:00	4:11:00	50.4	66.7	54.7	48.8	9:54 PM	109647.82	55.4	346736.85	50.4	109647.82	295120.92
4:12:00	4:12:00	53.9	76.8	59.8	50.4	9:55 PM	245470.89	58.9	776247.12	53.9	245470.89	954992.59
4:13:00	4:13:00	49.7	65.2	54.5	48.1	9:56 PM	93325.43	54.7	295120.92	49.7	93325.43	281838.29
4:14:00	4:14:00	48.8	63.8	49.9	47.9	9:57 PM	75857.76	53.8	239883.29	48.8	75857.76	97723.72
4:15:00	4:15:00	49.2	63.1	50	47.5	9:58 PM	83176.38	54.2	263026.80	49.2	83176.38	100000.00
4:16:00	4:16:00	52.2	74	59.9	47.5	9:59 PM	165958.69	57.2	524807.46	52.2	165958.69	977237.22
4:17:00	4:17:00	48.6	63.5	49.9	47.3	10:00 PM	72443.60	58.6	724435.96	48.6	724435.96	97723.72
4:18:00	4:18:00	49.9	69	54.5	47.4	10:01 PM	97723.72	59.9	977237.22	49.9	977237.22	281838.29
4:19:00	4:19:00	48.3	64.3	50.1	47.3	10:02 PM	67608.30	58.3	676082.98	48.3	676082.98	102329.30
4:20:00	4:20:00	47.6	64.8	48.4	46.8	10:03 PM	57543.99	57.6	575439.94	47.6	575439.94	69183.10
4:21:00	4:21:00	48.1	62.4	49.4	46.6	10:04 PM	64565.42	58.1	645654.23	48.1	645654.23	87096.36
4:22:00	4:22:00	48.3	63.2	50	46.8	10:05 PM	67608.30	58.3	676082.98	48.3	676082.98	100000.00
4:23:00	4:23:00	54.9	83.4	65.5	45.4	10:06 PM	309029.54	64.9	3090295.43	54.9	3090295.43	3548133.89
4:24:00	4:24:00	48.8	66.3	50	47.7	10:07 PM	75857.76	58.8	758577.58	48.8	758577.58	100000.00
4:25:00	4:25:00	51.7	79.6	60	46.9	10:08 PM	147910.84	61.7	1479108.39	51.7	1479108.39	1000000.00
4:26:00	4:26:00	49.1	65.8	51.6	47.6	10:09 PM	81283.05	59.1	812830.52	49.1	812830.52	144543.98
4:27:00	4:27:00	53.7	89.2	64.1	46.8	10:10 PM	234422.88	63.7	2344228.82	53.7	2344228.82	2570395.78
4:28:00	4:28:00	48.4	63.8	50.3	47.3	10:11 PM	69183.10	58.4	691830.97	48.4	691830.97	107151.93
4:29:00	4:29:00	48.8	66.9	50.7	47.7	10:12 PM	75857.76	58.8	758577.58	48.8	758577.58	117489.76
4:30:00	4:30:00	49	63.8	50.6	48.2	10:13 PM	79432.82	59	794328.23	49.0	794328.23	114815.36
4:31:00	4:31:00	50.4	64.2	51.7	48.9	10:14 PM	109647.82	60.4	1096478.20	50.4	1096478.20	147910.84
4:32:00	4:32:00	50.4	70	54.2	47.8	10:15 PM	109647.82	60.4	1096478.20	50.4	1096478.20	263026.80
4:33:00	4:33:00	48.4	64	50.4	47	10:16 PM	69183.10	58.4	691830.97	48.4	691830.97	109647.82
4:34:00	4:34:00	47.6	62.4	49.9	45.9	10:17 PM	57543.99	57.6	575439.94	47.6	575439.94	97723.72
4:35:00	4:35:00	47.9	61.6	49.3	46	10:18 PM	61659.50	57.9	616595.00	47.9	616595.00	85113.80
4:36:00	4:36:00	52.2	76.7	61.4	47.8	10:19 PM	165958.69	62.2	1659586.91	52.2	1659586.91	1380384.26
4:37:00	4:37:00	53.1	74.1	60.8	48	10:20 PM	204173.79	63.1	2041737.94	53.1	2041737.94	1202264.43
4:38:00	4:38:00	48.2	66	50	46.9	10:21 PM	66069.34	58.2	660693.45	48.2	660693.45	100000.00
4:39:00	4:39:00	49.4	75.8	53.8	47.2	10:22 PM	87096.36	59.4	870963.59	49.4	870963.59	239883.29
4:40:00	4:40:00	48.7	63.7	49.9	47.1	10:23 PM	741310.24	58.7	741310.24	48.7	741310.24	97723.72
4:41:00	4:41:00	48.4	62.5	49.9	46.8	10:24 PM	69183.10	58.4	691830.97	48.4	691830.97	97723.72
4:42:00	4:42:00	53.1	76.1	61.4	47.3	10:25 PM	204173.79	63.1	2041737.94	53.1	2041737.94	1380384.26
4:43:00	4:43:00	48.4	62.3	50.3	46.6	10:26 PM	69183.10	58.4	691830.97	48.4	691830.97	107151.93
4:44:00	4:44:00	48.4	62.7	50.1	47	10:27 PM	69183.10	58.4	691830.97	48.4	691830.97	102329.30
4:45:00	4:45:00	47.5	62	49	46.5	10:28 PM	56234.13	57.5	562341.33	47.5	562341.33	79432.82
4:46:00	4:46:00	48.1	61.9	49.4	46.7	10:29 PM	64565.42	58.1	645654.23	48.1	645654.23	87096.36
4:47:00	4:47:00	47.7	61.7	48.8	46.8	10:30 PM	58884.37	57.7	588843.66	47.7	588843.66	75857.76
4:48:00	4:48:00	47	61.4	48	46.3	10:31 PM	50118.72					

Data

5:11:00	5:11:00	48.4	65.2	53.4	46	10:54 PM	69183.10	58.4	691830.97	58.4	691830.97	218776.16
5:12:00	5:12:00	47.9	63.1	50.2	46.6	10:55 PM	61659.50	57.9	616595.00	57.9	616595.00	104712.85
5:13:00	5:13:00	47.5	62	48.9	46.3	10:56 PM	56234.13	57.5	562341.33	57.5	562341.33	77624.71
5:14:00	5:14:00	48.2	63.7	50.4	46.9	10:57 PM	66069.34	58.2	660693.45	58.2	660693.45	109647.82
5:15:00	5:15:00	47.8	61.8	49.3	47.1	10:58 PM	60255.96	57.8	602559.59	57.8	602559.59	85113.80
5:16:00	5:16:00	54.6	82.5	66.7	46.9	10:59 PM	288403.15	64.6	2884031.50	64.6	2884031.50	4677351.41
5:17:00	5:17:00	50.3	71.7	64.2	46.5	11:00 PM	107151.93	60.3	1071519.31	60.3	1071519.31	2630267.99
5:18:00	5:18:00	56.1	88	67.7	47.7	11:01 PM	407380.28	66.1	4073802.78	66.1	4073802.78	5888436.55
5:19:00	5:19:00	48.4	66.2	52.8	47.3	11:02 PM	69183.10	58.4	691830.97	58.4	691830.97	190546.07
5:20:00	5:20:00	54.5	85.4	65.5	47.7	11:03 PM	281838.29	64.5	2818382.93	64.5	2818382.93	3548133.89
5:21:00	5:21:00	48.4	73.3	53	47	11:04 PM	69183.10	58.4	691830.97	58.4	691830.97	199526.23
5:22:00	5:22:00	48.7	78.5	55.7	47.4	11:05 PM	74131.02	58.7	741310.24	58.7	741310.24	371535.23
5:23:00	5:23:00	48.8	63.7	50.1	47.6	11:06 PM	75857.76	58.8	758577.58	58.8	758577.58	102329.30
5:24:00	5:24:00	48.3	62.4	50.3	47	11:07 PM	67608.30	58.3	676082.98	58.3	676082.98	107151.93
5:25:00	5:25:00	47.4	62.8	48.4	46.3	11:08 PM	54954.09	57.4	549540.87	57.4	549540.87	69183.10
5:26:00	5:26:00	47.9	61.7	48.7	47.4	11:09 PM	61659.50	57.9	616595.00	57.9	616595.00	74131.02
5:27:00	5:27:00	54.8	79.9	63.2	47.4	11:10 PM	301995.17	64.8	3019951.72	64.8	3019951.72	2089296.13
5:28:00	5:28:00	48.8	67.3	53.9	47.2	11:11 PM	75857.76	58.8	758577.58	58.8	758577.58	245470.89
5:29:00	5:29:00	47.5	61.4	48.4	46.3	11:12 PM	56234.13	57.5	562341.33	57.5	562341.33	69183.10
5:30:00	5:30:00	48.6	62.4	49.9	47.7	11:13 PM	72443.60	58.6	724435.96	58.6	724435.96	97723.72
5:31:00	5:31:00	48.5	62.7	50	47.6	11:14 PM	70794.58	58.5	707945.78	58.5	707945.78	100000.00
5:32:00	5:32:00	48.2	63.8	50	47	11:15 PM	66069.34	58.2	660693.45	58.2	660693.45	100000.00
5:33:00	5:33:00	48	64.8	50	46.4	11:16 PM	63095.73	58	630957.34	58.0	630957.34	100000.00
5:34:00	5:34:00	48.6	66.1	53.4	47.1	11:17 PM	72443.60	58.6	724435.96	58.6	724435.96	218776.16
5:35:00	5:35:00	48.4	62.7	49.9	47.1	11:18 PM	69183.10	58.4	691830.97	58.4	691830.97	97723.72
5:36:00	5:36:00	48	65.6	52.1	46.3	11:19 PM	63095.73	58	630957.34	58.0	630957.34	162181.01
5:37:00	5:37:00	52.5	79.6	61.4	47.1	11:20 PM	177827.94	62.5	1778279.41	62.5	1778279.41	1380384.26
5:38:00	5:38:00	48.1	77.6	54.7	46.4	11:21 PM	64565.42	58.1	645654.23	58.1	645654.23	295120.92
5:39:00	5:39:00	50.4	79.1	58.1	47.6	11:22 PM	109647.82	60.4	1096478.20	60.4	1096478.20	645654.23
5:40:00	5:40:00	51.4	76.7	59.7	47.7	11:23 PM	138038.42	61.4	1380384.26	61.4	1380384.26	933254.30
5:41:00	5:41:00	48.8	64.4	50.2	47.8	11:24 PM	75857.76	58.8	758577.58	58.8	758577.58	104712.85
5:42:00	5:42:00	48.7	63.8	50.9	46.9	11:25 PM	74131.02	58.7	741310.24	58.7	741310.24	123026.88
5:43:00	5:43:00	49	64.2	50.3	47.5	11:26 PM	79432.82	59	794328.23	59.0	794328.23	107151.93
5:44:00	5:44:00	49.2	65.4	51.3	47.2	11:27 PM	83176.38	59.2	831763.77	59.2	831763.77	134896.29
5:45:00	5:45:00	47.8	63	48.9	46.7	11:28 PM	60255.96	57.8	602559.59	57.8	602559.59	77624.71
5:46:00	5:46:00	49.2	65.2	52.1	47.2	11:29 PM	83176.38	59.2	831763.77	59.2	831763.77	162181.01
5:47:00	5:47:00	47.8	63.2	49.8	46.6	11:30 PM	60255.96	57.8	602559.59	57.8	602559.59	95499.26
5:48:00	5:48:00	47.3	63.3	48.8	46.4	11:31 PM	53703.18	57.3	537031.80	57.3	537031.80	75857.76
5:49:00	5:49:00	48.7	63.8	51.1	47.3	11:32 PM	74131.02	58.7	741310.24	58.7	741310.24	128824.96
5:50:00	5:50:00	48.9	63.9	50.9	47.7	11:33 PM	77624.71	58.9	776247.12	58.9	776247.12	128824.96
5:51:00	5:51:00	49.4	64.2	51.1	48	11:34 PM	87096.36	59.4	870963.59	59.4	870963.59	128824.96
5:52:00	5:52:00	47.5	62.9	50.6	46	11:35 PM	56234.13	57.5	562341.33	57.5	562341.33	114815.36
5:53:00	5:53:00	49.1	64.8	50.5	47	11:36 PM	81283.05	59.1	812830.52	59.1	812830.52	112201.85
5:54:00	5:54:00	49.2	63.4	50.3	48	11:37 PM	83176.38	59.2	831763.77	59.2	831763.77	107151.93
5:55:00	5:55:00	50.1	65.4	52.5	48.1	11:38 PM	102329.30	60.1	1023292.99	60.1	1023292.99	177827.94
5:56:00	5:56:00	49.4	63.1	50.9	48.3	11:39 PM	87096.36	59.4	870963.59	59.4	870963.59	123026.88
5:57:00	5:57:00	52.5	74.2	58	47.6	11:40 PM	177827.94	62.5	1778279.41	62.5	1778279.41	630957.34
5:58:00	5:58:00	49.3	64.7	52.9	47.5	11:41 PM	85113.80	59.3	851138.04	59.3	851138.04	194984.46
5:59:00	5:59:00	49.7	65	51.8	48.3	11:42 PM	93325.43	59.7	933254.30	59.7	933254.30	151356.12
6:00:00	6:00:00	49.8	64.6	52.1	48.5	11:43 PM	95499.26	59.8	954992.59	59.8	954992.59	162181.01
6:01:00	6:01:00	53.3	76.4	60.6	48.5	11:44 PM	213796.21	63.3	2137962.09	63.3	2137962.09	1148153.62
6:02:00	6:02:00	50.3	68.7	53.2	48.8	11:45 PM	107151.93	60.3	1071519.31	60.3	1071519.31	208929.61
6:03:00	6:03:00	49.5	69.7	53.4	48.4	11:46 PM	89125.09	59.5	891250.94	59.5	891250.94	218776.16
6:04:00	6:04:00	50.7	70.5	53.8	48.1	11:47 PM	117489.76	60.7	1174897.55	60.7	1174897.55	239883.29
6:05:00	6:05:00	49.2	64.9	50.5	47.8	11:48 PM	83176.38	59.2	831763.77	59.2	831763.77	112201.85
6:06:00	6:06:00	49.7	63.8	50.4	48.7	11:49 PM	93325.43	59.7	933254.30	59.7	933254.30	109647.82
6:07:00	6:07:00	49.7	65	50.6	48.7	11:50 PM	93325.43	59.7	933254.30	59.7	933254.30	114815.36
6:08:00	6:08:00	49.7	64.9	50.5	48.7	11:51 PM	93325.43	59.7	933254.30	59.7	933254.30	112201.85
6:09:00	6:09:00	50.3	66.7	51.6	49.4	11:52 PM	107151.93	60.3	1071519.31	60.3	1071519.31	144543.98
6:10:00	6:10:00	49.9	63.8	51.1	48.9	11:53 PM	97723.72	59.9	977237.22	59.9	977237.22	128824.96
6:11:00	6:11:00	51.1	66.9	52.4	49.8	11:54 PM	128824.96	61.1	1288249.55	61.1	1288249.55	13780.08
6:12:00	6:12:00	49.1	64.4	51.4	47.9	11:55 PM	81283.05	59.1	812830.52	59.1	812830.52	138038.42
6:13:00	6:13:00	48.9	62.8	49.8	47.8	11:56 PM	77624.71	58.9	776247.12	58.9	776247.12	95499.26
6:14:00	6:14:00	49.4	64.5	50.7	48.3	11:57 PM	87096.36	59.4	870963.59	59.4	870963.59	117489.76
6:15:00	6:15:00	50.3	64.1	51.3	49	11:58 PM	107151.93	60.3	1071519.31	60.3	1071519.31	134896.29
6:16:00	6:16:00	48.8	64.3	49.9	47.6	11:59 PM	75857.76	58.8	758577.58	58.8	758577.58	97723.72
6:17:00	6:17:00	49.8	63.9	51	48	12:00 AM	95499.26	59.8	954992.59	59.8	954992.59	125892.54
6:18:00	6:18:00	49.9	64.7	51.3	48.7	12:01 AM	97723.72	59.9	977237.22	59.9	977237.22	134896.29
6:19:00	6:19:00	50.2	65	52.3	48.7	12:02 AM	104712.85	60.2	1047128.55	60.2	1047128.55	169824.37
6:20:00	6:20:00	48.7	62.9	49.8	47.7	12:03 AM	74131.02	58.7	741310.24	58.7	741310.24	95499.26
6:21:00	6:21:00	49.8	70.8	54.1	47.3	12:04 AM	95499.26	59.8	954992.59	59.8	954992.59	257039.58
6:22:00	6:22:00	50	65.1	51.9	48.7	12:05 AM	100000.00	60	1000000.00	60.0	1000000.00	154881.66
6:23:00	6:23:00	49.5	64.9	51	48.4	12:06 AM	89125.09	59.5	891250.94	59.5	891250.94	125892.54
6:24:00	6:24:00	48.8	63.4	49.8	48	12:07 AM	75857.76	58.8	758577.58	58.8	758577.58	95499.26
6:25:00	6:25:00	50.3	66.2	53.5	48.9	12:08 AM	107151.93	60.3	1071519.31	60.3	1071519.31	223872.11
6:26:00	6:26:00	50.9	73.3	53.1	48.7	12:09 AM	123026.88	60.9	1230268.77	60.9	1230268.77	204173.79
6:27:00	6:27:00	49.7	64.5	50.9	48.8	12:10 AM	93325.43	59.7	933254.30	59.7	933254.30	123026.88
6:28:00	6:28:00	50.1	67.5	51.6	48.9	12:11 AM	102329.30	60.1	1023292.99	60.1	1023292.99	144543.98
6:29:00	6:29:00	51.1	67.4	53	49.8	12:12 AM	128824.96	61.1	1288249.55	61.1	1288249.55	199526.23
6:30:00	6:30:00	50.1	64.2	51.2	48.9	12:13 AM	102329.30	60.1	1023292.99	60.1	1023292.99	131825.67
6:31:00	6:31:00	50.8	66.8	53	49	12:14 AM	120226.44	60.8	1202264.43	60.8	1202264.43	199526.23
6:32:00	6:32:00	49.6	64.1	51.1	48.2	12:15 AM	91201.08	59.6	912010.84	59.6	912010.84	128824

Data

6:56:00	6:56:00	49.9	64.6	51.8	47.9	12:39 AM	97723.72	59.9	977237.22	59.9	977237.22	151356.12
6:57:00	6:57:00	51	67.5	52	49.7	12:40 AM	125892.54	61	1258925.41	61.0	1258925.41	158489.32
6:58:00	6:58:00	49.5	64.1	51	48.3	12:41 AM	89125.09	59.5	891250.94	59.5	891250.94	125892.54
6:59:00	6:59:00	51	83.2	59.2	48.6	12:42 AM	125892.54	61	1258925.41	61.0	1258925.41	831763.77
7:00:00	7:00:00	56	84.3	67	49	12:43 AM	398107.17	66	3981071.71	66.0	3981071.71	5011872.34
7:01:00	7:01:00	53.6	79.8	63	48.4	12:44 AM	229086.77	63.6	2290867.65	63.6	2290867.65	1995262.31
7:02:00	7:02:00	49.4	63.4	51	47.9	12:45 AM	87096.36	59.4	870963.59	59.4	870963.59	125892.54
7:03:00	7:03:00	51	70.1	53.9	49.3	12:46 AM	125892.54	61	1258925.41	61.0	1258925.41	245470.89
7:04:00	7:04:00	49.9	67.8	55	48.6	12:47 AM	97723.72	59.9	977237.22	59.9	977237.22	316227.77
7:05:00	7:05:00	50.5	66.5	52.2	48.5	12:48 AM	112201.85	60.5	1122018.45	60.5	1122018.45	165958.69
7:06:00	7:06:00	50.5	66.2	52.4	49.3	12:49 AM	112201.85	60.5	1122018.45	60.5	1122018.45	173780.08
7:07:00	7:07:00	49.6	63.9	51	48.8	12:50 AM	91201.08	59.6	912010.84	59.6	912010.84	125892.54
7:08:00	7:08:00	50	64.5	51.2	49.1	12:51 AM	100000.00	60	1000000.00	60.0	1000000.00	131825.67
7:09:00	7:09:00	50.3	66.1	51.7	49.2	12:52 AM	107151.93	60.3	1071519.31	60.3	1071519.31	147910.84
7:10:00	7:10:00	49.9	68.8	51.6	48.4	12:53 AM	97723.72	59.9	977237.22	59.9	977237.22	144543.98
7:11:00	7:11:00	50	65.2	51.7	48.2	12:54 AM	100000.00	60	1000000.00	60.0	1000000.00	147910.84
7:12:00	7:12:00	49.4	65.6	51.3	47.3	12:55 AM	87096.36	59.4	870963.59	59.4	870963.59	134896.29
7:13:00	7:13:00	50	66.5	52.9	48.5	12:56 AM	100000.00	60	1000000.00	60.0	1000000.00	194984.46
7:14:00	7:14:00	49.5	65.8	51.1	48.4	12:57 AM	89125.09	59.5	891250.94	59.5	891250.94	128824.96
7:15:00	7:15:00	50.4	66.5	53.9	48.8	12:58 AM	109647.82	60.4	1096478.20	60.4	1096478.20	245470.89
7:16:00	7:16:00	50.2	70.2	52.2	49.2	12:59 AM	104712.85	60.2	1047128.55	60.2	1047128.55	165958.69
7:17:00	7:17:00	50.2	65	51.6	49.1	1:00 AM	104712.85	60.2	1047128.55	60.2	1047128.55	144543.98
7:18:00	7:18:00	50.3	65.7	52	48.5	1:01 AM	107151.93	60.3	1071519.31	60.3	1071519.31	158489.32
7:19:00	7:19:00	49.6	64.7	51	48.1	1:02 AM	91201.08	59.6	912010.84	59.6	912010.84	125892.54
7:20:00	7:20:00	49.6	66.8	52.6	47.9	1:03 AM	91201.08	59.6	912010.84	59.6	912010.84	181970.09
7:21:00	7:21:00	52.1	75.2	58.7	47.8	1:04 AM	162181.01	62.1	1621810.10	62.1	1621810.10	741310.24
7:22:00	7:22:00	48.8	63.3	49.8	48	1:05 AM	75857.76	58.8	758577.58	58.8	758577.58	95499.26
7:23:00	7:23:00	48.8	64	50.7	47.9	1:06 AM	75857.76	58.8	758577.58	58.8	758577.58	117489.76
7:24:00	7:24:00	48.9	63.3	51.2	47.6	1:07 AM	77624.71	58.9	776247.12	58.9	776247.12	131825.67
7:25:00	7:25:00	48.4	64.6	50.6	47.3	1:08 AM	69183.10	58.4	691830.97	58.4	691830.97	114815.36
7:26:00	7:26:00	48.8	64.8	51.2	48	1:09 AM	75857.76	58.8	758577.58	58.8	758577.58	131825.67
7:27:00	7:27:00	49.1	65	50.4	48.2	1:10 AM	81283.05	59.1	812830.52	59.1	812830.52	109647.82
7:28:00	7:28:00	49.6	70.9	51.4	47.7	1:11 AM	91201.08	59.6	912010.84	59.6	912010.84	138038.43
7:29:00	7:29:00	49.1	69.3	50.3	47.5	1:12 AM	81283.05	59.1	812830.52	59.1	812830.52	107151.93
7:30:00	7:30:00	49.6	64.6	51.4	47.9	1:13 AM	91201.08	59.6	912010.84	59.6	912010.84	138038.43
7:31:00	7:31:00	48.9	63.4	50.3	47.6	1:14 AM	77624.71	58.9	776247.12	58.9	776247.12	107151.93
7:32:00	7:32:00	49	63.8	50.7	47.9	1:15 AM	79432.82	59	794328.23	59.0	794328.23	117489.76
7:33:00	7:33:00	50.3	69.2	55	48.2	1:16 AM	107151.93	60.3	1071519.31	60.3	1071519.31	316227.77
7:34:00	7:34:00	50.6	67.2	55	48.3	1:17 AM	114815.36	60.6	1148153.62	60.6	1148153.62	316227.77
7:35:00	7:35:00	50.4	66.3	52.8	47.5	1:18 AM	109647.82	60.4	1096478.20	60.4	1096478.20	190546.07
7:36:00	7:36:00	48.6	65.2	51.7	47.1	1:19 AM	72443.60	58.6	724435.96	58.6	724435.96	147910.84
7:37:00	7:37:00	48.3	65.9	49.9	47.1	1:20 AM	67608.30	58.3	676082.98	58.3	676082.98	97723.72
7:38:00	7:38:00	48.6	64.8	49.7	47.6	1:21 AM	72443.60	58.6	724435.96	58.6	724435.96	93325.43
7:39:00	7:39:00	49.2	63.2	50.8	47.9	1:22 AM	83176.38	59.2	831763.77	59.2	831763.77	120226.44
7:40:00	7:40:00	49.1	63.8	50.2	47.8	1:23 AM	81283.05	59.1	812830.52	59.1	812830.52	104712.85
7:41:00	7:41:00	51.8	72.8	56.7	48.9	1:24 AM	151356.12	61.8	1513561.25	61.8	1513561.25	467735.14
7:42:00	7:42:00	49.2	64.6	50.5	48.5	1:25 AM	83176.38	59.2	831763.77	59.2	831763.77	112201.85
7:43:00	7:43:00	49.6	63.7	51.2	48.3	1:26 AM	91201.08	59.6	912010.84	59.6	912010.84	131825.67
7:44:00	7:44:00	47.9	63.8	49	47	1:27 AM	61659.50	57.9	616595.00	57.9	616595.00	79432.82
7:45:00	7:45:00	48.9	63.9	50.3	47	1:28 AM	77624.71	58.9	776247.12	58.9	776247.12	107151.93
7:46:00	7:46:00	52	76.1	62.2	48.4	1:29 AM	158489.32	62	1584893.19	62.0	1584893.19	165958.69
7:47:00	7:47:00	49.2	66.5	51.9	47.7	1:30 AM	83176.38	59.2	831763.77	59.2	831763.77	154881.66
7:48:00	7:48:00	48.3	63.3	50	47	1:31 AM	67608.30	58.3	676082.98	58.3	676082.98	100000.00
7:49:00	7:49:00	48.3	68.2	49.3	47.2	1:32 AM	67608.30	58.3	676082.98	58.3	676082.98	85113.80
7:50:00	7:50:00	47.8	65	49.5	46.8	1:33 AM	60255.96	57.8	602559.59	57.8	602559.59	89125.09
7:51:00	7:51:00	48.8	73.1	59.5	47	1:34 AM	75857.76	58.8	758577.58	58.8	758577.58	891250.94
7:52:00	7:52:00	50.5	66.5	58.9	48.2	1:35 AM	112201.85	60.5	1122018.45	60.5	1122018.45	776247.12
7:53:00	7:53:00	48.6	62.8	49.3	47.9	1:36 AM	72443.60	58.6	724435.96	58.6	724435.96	85113.80
7:54:00	7:54:00	48.8	64.3	51	47.8	1:37 AM	75857.76	58.8	758577.58	58.8	758577.58	125892.54
7:55:00	7:55:00	47.9	64.3	50.2	46.7	1:38 AM	61659.50	57.9	616595.00	57.9	616595.00	104712.85
7:56:00	7:56:00	48.6	63.1	50.2	47.2	1:39 AM	72443.60	58.6	724435.96	58.6	724435.96	104712.85
7:57:00	7:57:00	48.2	63.3	50.4	46.8	1:40 AM	66069.34	58.2	660693.45	58.2	660693.45	109647.82
7:58:00	7:58:00	47.4	63.5	48.6	46.4	1:41 AM	54954.07	57.4	549540.87	57.4	549540.87	72443.60
7:59:00	7:59:00	47.8	63.3	49.3	46.3	1:42 AM	60255.96	57.8	602559.59	57.8	602559.59	85113.80
8:00:00	8:00:00	47.2	61.7	48.5	46.3	1:43 AM	52480.75	57.2	524807.46	57.2	524807.46	70794.58
8:01:00	8:01:00	49.2	63.7	51.1	47.2	1:44 AM	83176.38	59.2	831763.77	59.2	831763.77	128824.96
8:02:00	8:02:00	48.7	62.8	50.2	47.2	1:45 AM	74131.02	58.7	741310.24	58.7	741310.24	104712.85
8:03:00	8:03:00	49	63.8	51.9	47.7	1:46 AM	79432.82	59	794328.23	59.0	794328.23	154881.66
8:04:00	8:04:00	49.7	63.9	51.2	48	1:47 AM	93325.43	59.7	933254.30	59.7	933254.30	131825.67
8:05:00	8:05:00	49.2	64.3	50.3	48	1:48 AM	83176.38	59.2	831763.77	59.2	831763.77	107151.93
8:06:00	8:06:00	48.8	67	50.3	47.7	1:49 AM	75857.76	58.8	758577.58	58.8	758577.58	107151.93
8:07:00	8:07:00	48.8	64.2	50.1	47.4	1:50 AM	75857.76	58.8	758577.58	58.8	758577.58	102329.30
8:08:00	8:08:00	48.4	64.8	50	47.4	1:51 AM	69183.10	58.4	691830.97	58.4	691830.97	100000.00
8:09:00	8:09:00	47.9	62.9	49.2	47.1	1:52 AM	61659.50	57.9	616595.00	57.9	616595.00	83176.38
8:10:00	8:10:00	48.9	63.2	50.6	48	1:53 AM	77624.71	58.9	776247.12	58.9	776247.12	114815.36
8:11:00	8:11:00	48.5	62.5	49.5	47.6	1:54 AM	70794.58	58.5	707945.78	58.5	707945.78	89125.09
8:12:00	8:12:00	48.1	61.7	49.3	46.8	1:55 AM	64565.42	58.1	645654.23	58.1	645654.23	85113.80
8:13:00	8:13:00	47.7	62.7	49.2	47	1:56 AM	58884.66	57.7	588843.66	57.7	588843.66	83176.38
8:14:00	8:14:00	48.4	64	51.2	46.9	1:57 AM	69183.10	58.4	691830.97	58.4	691830.97	131825.67
8:15:00	8:15:00	48.2	62.4	48.9	47.5	1:58 AM	66069.34	58.2	660693.45	58.2	660693.45	77624.71
8:16:00	8:16:00	48.3	62.9	49.7	47	1:59 AM	67608.30	58.3	676082.98	58.3	676082.98	93325.43
8:17:00	8:17:00	47.7	61.9	48.4	47	2:00 AM	58884.66	57.7	588843.66	57.7	588843.66	69183.10
8:18:00	8:18:00	47.8	62.2	48.9	47	2:01 AM	60255.96	57.8	602559.59			

8:41:00	8:41:00	47.4	62.4	48.3	46.5	2:24 AM	54954.09	57.4	549540.87	57.4	549540.87	67608.30
8:42:00	8:42:00	48.4	62.5	49.7	47.5	2:25 AM	69183.10	58.4	691830.97	58.4	691830.97	93325.43
8:43:00	8:43:00	48	64.2	52.1	47.1	2:26 AM	63095.73	58	630957.34	58.0	630957.34	162181.01
8:44:00	8:44:00	47.5	61.9	48.6	46.4	2:27 AM	56234.13	57.5	562341.33	57.5	562341.33	72443.60
8:45:00	8:45:00	47.3	64.3	49.5	46.3	2:28 AM	53703.18	57.3	537031.80	57.3	537031.80	89125.09
8:46:00	8:46:00	47.2	61.2	48.1	46.3	2:29 AM	52480.75	57.2	524807.46	57.2	524807.46	64565.42
8:47:00	8:47:00	47.6	61.6	49	46.7	2:30 AM	57543.99	57.6	575439.94	57.6	575439.94	79432.82
8:48:00	8:48:00	47.7	63.4	49.1	46.9	2:31 AM	58884.37	57.7	588843.66	57.7	588843.66	81283.05
8:49:00	8:49:00	48	62.3	49.2	47	2:32 AM	63095.73	58	630957.34	58.0	630957.34	83176.38
8:50:00	8:50:00	47.5	62.6	48.4	46.9	2:33 AM	56234.13	57.5	562341.33	57.5	562341.33	69183.10
8:51:00	8:51:00	48.3	62.3	49.7	47.1	2:34 AM	67608.30	58.3	676082.98	58.3	676082.98	93325.43
8:52:00	8:52:00	48.2	62.1	49.7	46.9	2:35 AM	66069.34	58.2	660693.45	58.2	660693.45	93325.43
8:53:00	8:53:00	48	61.9	49.2	46.8	2:36 AM	63095.73	58	630957.34	58.0	630957.34	83176.38
8:54:00	8:54:00	48	66.1	49.4	47.1	2:37 AM	63095.73	58	630957.34	58.0	630957.34	87096.36
8:55:00	8:55:00	47.9	62.3	48.8	47.2	2:38 AM	61659.50	57.9	616595.00	57.9	616595.00	75857.76
8:56:00	8:56:00	50.7	73.8	58.6	47.5	2:39 AM	117489.76	60.7	1174897.55	60.7	1174897.55	724435.96
8:57:00	8:57:00	48.7	69.1	53.4	46.6	2:40 AM	74131.02	58.7	741310.24	58.7	741310.24	218776.16
8:58:00	8:58:00	54.6	84	66.1	46.7	2:41 AM	288403.15	64.6	2884031.50	64.6	2884031.50	4073802.78
8:59:00	8:59:00	47	60.8	48	45.9	2:42 AM	50118.72	57	501187.23	57.0	501187.23	63095.73
9:00:00	9:00:00	48.1	63.3	50.3	47.1	2:43 AM	64565.42	58.1	645654.23	58.1	645654.23	107151.93
9:01:00	9:01:00	48.5	63	49.5	47.3	2:44 AM	70794.58	58.5	707945.78	58.5	707945.78	89125.09
9:02:00	9:02:00	47.5	61.4	48.7	46.8	2:45 AM	56234.13	57.5	562341.33	57.5	562341.33	74131.02
9:03:00	9:03:00	47.5	61.4	48.6	46.4	2:46 AM	56234.13	57.5	562341.33	57.5	562341.33	72443.60
9:04:00	9:04:00	47.6	61.3	48.6	46.5	2:47 AM	57543.99	57.6	575439.94	57.6	575439.94	72443.60
9:05:00	9:05:00	47.9	62.1	49.6	47	2:48 AM	61659.50	57.9	616595.00	57.9	616595.00	91201.08
9:06:00	9:06:00	48.1	62.2	49.6	46.5	2:49 AM	64565.42	58.1	645654.23	58.1	645654.23	91201.08
9:07:00	9:07:00	52.4	83.7	62.2	46.9	2:50 AM	173780.08	62.4	1737800.83	62.4	1737800.83	1659586.91
9:08:00	9:08:00	53.8	92.3	65.7	46.2	2:51 AM	239883.29	63.8	2398832.92	63.8	2398832.92	3715352.29
9:09:00	9:09:00	47.9	61.4	48.7	47.2	2:52 AM	61659.50	57.9	616595.00	57.9	616595.00	74131.02
9:10:00	9:10:00	47.8	61.7	49.4	46.8	2:53 AM	60255.96	57.8	602559.59	57.8	602559.59	87096.36
9:11:00	9:11:00	47.8	62.5	48.8	46.9	2:54 AM	60255.96	57.8	602559.59	57.8	602559.59	75857.76
9:12:00	9:12:00	47.7	63.5	48.7	46.4	2:55 AM	58884.37	57.7	588843.66	57.7	588843.66	74131.02
9:13:00	9:13:00	48.6	62.9	50.6	47.1	2:56 AM	72443.60	58.6	724435.96	58.6	724435.96	114815.36
9:14:00	9:14:00	48.9	65.1	51.3	47.6	2:57 AM	77624.71	58.9	776247.12	58.9	776247.12	134896.29
9:15:00	9:15:00	49.4	63.2	50.2	48.4	2:58 AM	87096.36	59.4	870963.59	59.4	870963.59	104712.85
9:16:00	9:16:00	49	62.5	50.4	48.2	2:59 AM	79432.82	59	794328.23	59.0	794328.23	109647.82
9:17:00	9:17:00	48.5	63.6	49.8	47.4	3:00 AM	70794.58	58.5	707945.78	58.5	707945.78	95499.26
9:18:00	9:18:00	49.1	63.5	50.7	47.5	3:01 AM	81283.05	59.1	812830.52	59.1	812830.52	117489.76
9:19:00	9:19:00	48.6	64.4	49.8	47.4	3:02 AM	72443.60	58.6	724435.96	58.6	724435.96	95499.26
9:20:00	9:20:00	48.8	62.9	50.4	47.3	3:03 AM	75857.76	58.8	758577.58	58.8	758577.58	109647.82
9:21:00	9:21:00	49.2	64	50.9	47.4	3:04 AM	83176.38	59.2	831763.77	59.2	831763.77	123026.88
9:22:00	9:22:00	49.8	65.1	51.2	48.7	3:05 AM	95499.26	59.8	954992.59	59.8	954992.59	131825.67
9:23:00	9:23:00	49.2	64.5	50.9	47.5	3:06 AM	83176.38	59.2	831763.77	59.2	831763.77	123026.88
9:24:00	9:24:00	49	66	50.9	47.6	3:07 AM	79432.82	59	794328.23	59.0	794328.23	123026.88
9:25:00	9:25:00	49.1	63.6	50.5	48.1	3:08 AM	81283.05	59.1	812830.52	59.1	812830.52	112201.85
9:26:00	9:26:00	49	63.3	50	48	3:09 AM	79432.82	59	794328.23	59.0	794328.23	100000.00
9:27:00	9:27:00	48.8	64	50.4	47.9	3:10 AM	75857.76	58.8	758577.58	58.8	758577.58	109647.82
9:28:00	9:28:00	48.5	64.4	50.5	47.1	3:11 AM	70794.58	58.5	707945.78	58.5	707945.78	112201.85
9:29:00	9:29:00	47.6	61.2	48.9	46.8	3:12 AM	57543.99	57.6	575439.94	57.6	575439.94	77624.71
9:30:00	9:30:00	47.6	61.8	48.7	46.8	3:13 AM	57543.99	57.6	575439.94	57.6	575439.94	74131.02
9:31:00	9:31:00	47.4	63.7	48.6	46.5	3:14 AM	54954.09	57.4	549540.87	57.4	549540.87	72443.60
9:32:00	9:32:00	47.1	61.6	47.9	46.6	3:15 AM	51286.14	57.1	512861.38	57.1	512861.38	61659.50
9:33:00	9:33:00	47.5	62.6	48.6	46.6	3:16 AM	56234.13	57.5	562341.33	57.5	562341.33	72443.60
9:34:00	9:34:00	47.9	61.9	48.5	46.8	3:17 AM	61659.50	57.9	616595.00	57.9	616595.00	70794.58
9:35:00	9:35:00	46.8	60.5	47.6	46	3:18 AM	47863.01	56.8	478630.09	56.8	478630.09	57543.99
9:36:00	9:36:00	47.6	62.5	48.7	46.7	3:19 AM	57543.99	57.6	575439.94	57.6	575439.94	74131.02
9:37:00	9:37:00	48.4	62.7	49.7	47.3	3:20 AM	69183.10	58.4	691830.97	58.4	691830.97	93325.43
9:38:00	9:38:00	47.9	62.2	49.1	46.9	3:21 AM	61659.50	57.9	616595.00	57.9	616595.00	81283.05
9:39:00	9:39:00	48.1	62.2	49.7	47.3	3:22 AM	64565.42	58.1	645654.23	58.1	645654.23	93325.43
9:40:00	9:40:00	49.3	64.4	54.9	47.1	3:23 AM	85113.80	59.3	851138.04	59.3	851138.04	309029.54
9:41:00	9:41:00	47.9	61.7	49	46.9	3:24 AM	61659.50	57.9	616595.00	57.9	616595.00	79432.82
9:42:00	9:42:00	47.8	61.9	48.9	46.9	3:25 AM	60255.96	57.8	602559.59	57.8	602559.59	77624.71
9:43:00	9:43:00	47.4	61.6	48.5	46.4	3:26 AM	54954.09	57.4	549540.87	57.4	549540.87	70794.58
9:44:00	9:44:00	47.1	61	48	46.5	3:27 AM	51286.14	57.1	512861.38	57.1	512861.38	63095.73
9:45:00	9:45:00	47.5	61.2	48.5	46.4	3:28 AM	56234.13	57.5	562341.33	57.5	562341.33	70794.58
9:46:00	9:46:00	47.8	61.6	49	46.8	3:29 AM	60255.96	57.8	602559.59	57.8	602559.59	79432.82
9:47:00	9:47:00	47.5	61.9	48.3	46.8	3:30 AM	56234.13	57.5	562341.33	57.5	562341.33	67608.30
9:48:00	9:48:00	47.4	61.9	48.1	46.6	3:31 AM	54954.09	57.4	549540.87	57.4	549540.87	64565.42
9:49:00	9:49:00	47.2	61.5	48.1	46.4	3:32 AM	52480.75	57.2	524807.46	57.2	524807.46	64565.42
9:50:00	9:50:00	46	60.8	47.4	44	3:33 AM	39810.72	56	398107.17	56.0	398107.17	54954.09
9:51:00	9:51:00	45.3	60.8	46.7	43.9	3:34 AM	33884.42	55.3	338844.16	55.3	338844.16	67735.1
9:52:00	9:52:00	45.8	61.1	47.5	44	3:35 AM	38018.94	55.8	380189.40	55.8	380189.40	56234.13
9:53:00	9:53:00	44.9	65	46.1	43.8	3:36 AM	30902.95	54.9	309029.54	54.9	309029.54	40738.03
9:54:00	9:54:00	51.5	74.8	60.3	43.6	3:37 AM	141253.75	61.5	1412537.54	61.5	1412537.54	1071519.31
9:55:00	9:55:00	44.7	59.4	46	43.8	3:38 AM	29512.09	54.7	295120.92	54.7	295120.92	39810.72
9:56:00	9:56:00	44.9	62	48.2	42.9	3:39 AM	30902.95	54.9	309029.54	54.9	309029.54	66069.34
9:57:00	9:57:00	44.3	58.8	45.6	43.4	3:40 AM	26915.35	54.3	269153.48	54.3	269153.48	36307.81
9:58:00	9:58:00	44.8	59.9	46.1	43.4	3:41 AM	30199.52	54.8	301995.17	54.8	301995.17	40738.03
9:59:00	9:59:00	50.7	85.2	60.3	43.1	3:42 AM	117489.76	60.7	1174897.55	60.7	1174897.55	1071519.31
10:00:00	10:00:00	44.4	59.5	45.4	43.8	3:43 AM	27542.29	54.4	275422.87	54.4	275422.87	34673.69
10:01:00	10:01:00	45.4	59.8	47	44.5	3:44 AM	34673.69	55.4	346736.85	55.4	346736.85	50118.72
10:02:00	10:02:00	46.3	61	48	44.6	3:45 AM	42657.95	56.3	426579.52	56.3	426579.52	63095.73
10:03:00	10:03:00	46.9	67.9	54.1	44.8	3:46 AM	48977.88	56.9	489778.82	56.9	489778.82	257039.58
10:04:00	10:04:00	48.3	69.1	57.4								

10:26:00	10:26:00	51.7	77.1	59.6	44.9	4:09 AM	147910.84	61.7	1479108.39	61.7	1479108.39	912010.84
10:27:00	10:27:00	47.3	62.5	48.7	45.1	4:10 AM	53703.18	57.3	537031.80	57.3	537031.80	74131.02
10:28:00	10:28:00	54.5	80.1	64.3	47.1	4:11 AM	281838.29	64.5	2818382.93	64.5	2818382.93	2691534.80
10:29:00	10:29:00	47	62.2	48.6	45.6	4:12 AM	50118.72	57	501187.23	57.0	501187.23	72443.60
10:30:00	10:30:00	47.2	61.4	48.6	46.3	4:13 AM	52480.75	57.2	524807.46	57.2	524807.46	72443.60
10:31:00	10:31:00	46.8	62.3	48.6	45.5	4:14 AM	47863.01	56.8	478630.09	56.8	478630.09	72443.60
10:32:00	10:32:00	47.9	61.9	49.8	46.2	4:15 AM	61659.50	57.9	616595.00	57.9	616595.00	95499.26
10:33:00	10:33:00	54.1	82.5	63.6	46.8	4:16 AM	257039.58	64.1	2570395.78	64.1	2570395.78	2290867.65
10:34:00	10:34:00	47.8	63.4	50.8	46.6	4:17 AM	60255.96	57.8	602559.59	57.8	602559.59	120226.44
10:35:00	10:35:00	47.6	64.9	48.8	46.7	4:18 AM	57543.99	57.6	575439.94	57.6	575439.94	75857.76
10:36:00	10:36:00	48.7	67.4	51.6	46.3	4:19 AM	74131.02	58.7	741310.24	58.7	741310.24	144543.98
10:37:00	10:37:00	48.9	63.9	50.9	47.7	4:20 AM	77624.71	58.9	776247.12	58.9	776247.12	123026.88
10:38:00	10:38:00	48.6	65.1	49.6	47.4	4:21 AM	72443.60	58.6	724435.96	58.6	724435.96	91201.08
10:39:00	10:39:00	54.8	82.4	64.4	47.2	4:22 AM	301995.17	64.8	3019951.72	64.8	3019951.72	2754228.70
10:40:00	10:40:00	53.3	79.5	61.9	48.3	4:23 AM	213796.21	63.3	2137962.09	63.3	2137962.09	1548816.62
10:41:00	10:41:00	49.8	65.9	52.1	48.3	4:24 AM	95499.26	59.8	954992.59	59.8	954992.59	162181.01
10:42:00	10:42:00	51	66.9	53.7	49.1	4:25 AM	125892.54	61	1258925.41	61.0	1258925.41	234422.88
10:43:00	10:43:00	50.1	66	51.8	49.1	4:26 AM	102329.30	60.1	1023292.99	60.1	1023292.99	151356.12
10:44:00	10:44:00	50.6	65.7	52.5	48.7	4:27 AM	114815.36	60.6	1148153.62	60.6	1148153.62	177827.94
10:45:00	10:45:00	50.6	67.4	55.4	49.2	4:28 AM	114815.36	60.6	1148153.62	60.6	1148153.62	346736.85
10:46:00	10:46:00	50.8	66.1	52.3	49.6	4:29 AM	120226.44	60.8	1202264.43	60.8	1202264.43	169824.37
10:47:00	10:47:00	49.9	63.7	50.9	49.1	4:30 AM	97723.72	59.9	977237.22	59.9	977237.22	123026.88
10:48:00	10:48:00	53.1	74.5	60.5	48.9	4:31 AM	204173.79	63.1	2041737.94	63.1	2041737.94	1122018.45
10:49:00	10:49:00	50.6	65.2	51.5	48.9	4:32 AM	114815.36	60.6	1148153.62	60.6	1148153.62	141253.75
10:50:00	10:50:00	50.4	65.3	52	49.1	4:33 AM	109647.82	60.4	1096478.20	60.4	1096478.20	158489.32
10:51:00	10:51:00	51.1	70.1	53.4	49.8	4:34 AM	128824.96	61.1	1288249.55	61.1	1288249.55	218776.16
10:52:00	10:52:00	49.9	65.1	51.4	49	4:35 AM	97723.72	59.9	977237.22	59.9	977237.22	138038.43
10:53:00	10:53:00	50.1	64.5	50.8	49	4:36 AM	102329.30	60.1	1023292.99	60.1	1023292.99	120226.44
10:54:00	10:54:00	50.5	65	51.7	49	4:37 AM	112201.85	60.5	1122018.45	60.5	1122018.45	147910.84
10:55:00	10:55:00	51.4	66.1	52.7	50.3	4:38 AM	138038.43	61.4	1380384.26	61.4	1380384.26	186208.71
10:56:00	10:56:00	51.9	69	54.9	49.9	4:39 AM	154881.66	61.9	1548816.62	61.9	1548816.62	309029.54
10:57:00	10:57:00	51.5	67.8	54.7	50	4:40 AM	141253.75	61.5	1412537.54	61.5	1412537.54	295120.92
10:58:00	10:58:00	50.7	64.5	51.7	50	4:41 AM	117489.76	60.7	1174897.55	60.7	1174897.55	147910.84
10:59:00	10:59:00	51	66.2	51.8	49.9	4:42 AM	125892.54	61	1258925.41	61.0	1258925.41	151356.12
11:00:00	11:00:00	51.2	66.3	53	50	4:43 AM	131825.67	61.2	1318256.74	61.2	1318256.74	199526.23
11:01:00	11:01:00	52	71.8	55.7	50.3	4:44 AM	158489.32	62	1584893.19	62.0	1584893.19	371535.23
11:02:00	11:02:00	49.9	64.4	51.1	48.9	4:45 AM	97723.72	59.9	977237.22	59.9	977237.22	128824.96
11:03:00	11:03:00	54.8	81.9	65.5	48.7	4:46 AM	301995.17	64.8	3019951.72	64.8	3019951.72	3548133.89
11:04:00	11:04:00	50.4	64.9	51.2	49.5	4:47 AM	109647.82	60.4	1096478.20	60.4	1096478.20	131825.67
11:05:00	11:05:00	49.4	64.1	51.4	47.9	4:48 AM	87096.36	59.4	870963.59	59.4	870963.59	138038.43
11:06:00	11:06:00	50	71.5	54.9	47.9	4:49 AM	100000.00	60	1000000.00	60.0	1000000.00	309029.54
11:07:00	11:07:00	49.2	64.2	50.9	47.9	4:50 AM	83176.38	59.2	831763.77	59.2	831763.77	123026.88
11:08:00	11:08:00	49.6	63.9	51	48.6	4:51 AM	91201.08	59.6	912010.84	59.6	912010.84	125892.54
11:09:00	11:09:00	50.1	65.7	52.1	49	4:52 AM	102329.30	60.1	1023292.99	60.1	1023292.99	162181.01
11:10:00	11:10:00	50	64.5	52.5	48.1	4:53 AM	100000.00	60	1000000.00	60.0	1000000.00	177827.94
11:11:00	11:11:00	50	65	51.1	49.1	4:54 AM	100000.00	60	1000000.00	60.0	1000000.00	128824.96
11:12:00	11:12:00	55.5	82.5	65.5	49.3	4:55 AM	354813.39	65.5	3548133.89	65.5	3548133.89	3548133.89
11:13:00	11:13:00	50.5	66.8	52.1	49.2	4:56 AM	112201.85	60.5	1122018.45	60.5	1122018.45	162181.01
11:14:00	11:14:00	50.8	66.5	52.1	49.2	4:57 AM	120226.44	60.8	1202264.43	60.8	1202264.43	162181.01
11:15:00	11:15:00	50.4	64.9	51.7	49.7	4:58 AM	109647.82	60.4	1096478.20	60.4	1096478.20	147910.84
11:16:00	11:16:00	51.4	66.5	54.2	50.1	4:59 AM	138038.43	61.4	1380384.26	61.4	1380384.26	263026.80
11:17:00	11:17:00	51	64.8	52.2	49.8	5:00 AM	125892.54	61	1258925.41	61.0	1258925.41	165958.69
11:18:00	11:18:00	50.5	66	51.6	49.3	5:01 AM	112201.85	60.5	1122018.45	60.5	1122018.45	144543.98
11:19:00	11:19:00	51.3	65.3	52.8	50.1	5:02 AM	134896.29	61.3	1348962.88	61.3	1348962.88	190546.07
11:20:00	11:20:00	50.8	67.2	52.6	49.6	5:03 AM	120226.44	60.8	1202264.43	60.8	1202264.43	181970.09
11:21:00	11:21:00	54	75.8	60.9	50.5	5:04 AM	251188.64	64	2511886.43	64.0	2511886.43	1230268.77
11:22:00	11:22:00	51.4	67	53.3	49.7	5:05 AM	138038.43	61.4	1380384.26	61.4	1380384.26	213796.21
11:23:00	11:23:00	50.4	65.5	51.8	49.2	5:06 AM	109647.82	60.4	1096478.20	60.4	1096478.20	151356.12
11:24:00	11:24:00	50.5	64.7	52.2	49.5	5:07 AM	112201.85	60.5	1122018.45	60.5	1122018.45	165958.69
11:25:00	11:25:00	50.5	67	52.2	49.7	5:08 AM	112201.85	60.5	1122018.45	60.5	1122018.45	165958.69
11:26:00	11:26:00	56	86.6	67.2	48.3	5:09 AM	398107.17	66	3981071.71	66.0	3981071.71	524807.60
11:27:00	11:27:00	51.2	74.2	57.6	49.4	5:10 AM	131825.67	61.2	1318256.74	61.2	1318256.74	575439.94
11:28:00	11:28:00	50.3	71.2	51.5	49.2	5:11 AM	107151.93	60.3	1071519.31	60.3	1071519.31	141253.75
11:29:00	11:29:00	50.6	64.7	51.6	49.6	5:12 AM	114815.36	60.6	1148153.62	60.6	1148153.62	144543.98
11:30:00	11:30:00	51.3	69.2	53.9	50.2	5:13 AM	134896.29	61.3	1348962.88	61.3	1348962.88	245470.89
11:31:00	11:31:00	51.7	69.6	52.2	50.5	5:14 AM	147910.84	61.7	1479108.39	61.7	1479108.39	331131.12
11:32:00	11:32:00	52.3	66.6	53.5	50.6	5:15 AM	169824.37	62.3	1698243.65	62.3	1698243.65	223872.11
11:33:00	11:33:00	51	67.4	53.1	49.6	5:16 AM	125892.54	61	1258925.41	61.0	1258925.41	204173.79
11:34:00	11:34:00	51.4	66.3	52.9	50.3	5:17 AM	138038.43	61.4	1380384.26	61.4	1380384.26	194984.46
11:35:00	11:35:00	51.1	65.5	52.8	49.6	5:18 AM	128824.96	61.1	1288249.55	61.1	1288249.55	190546.07
11:36:00	11:36:00	51.2	68.3	55.2	49.4	5:19 AM	131825.67	61.2	1318256.74	61.2	1318256.74	331131.12
11:37:00	11:37:00	55.4	78.3	63.3	50.4	5:20 AM	346736.85	65.4	3467368.50	65.4	3467368.50	2137962.09
11:38:00	11:38:00	54.1	85.5	61.8	50	5:21 AM	257039.58	64.1	2570395.78	64.1	2570395.78	151356.12
11:39:00	11:39:00	51.6	66.5	53	50.5	5:22 AM	144543.98	61.6	1445439.77	61.6	1445439.77	199526.23
11:40:00	11:40:00	51.9	66.1	53.6	49.9	5:23 AM	154881.66	61.9	1548816.62	61.9	1548816.62	229086.77
11:41:00	11:41:00	51.2	65.9	52.4	50.3	5:24 AM	131825.67	61.2	1318256.74	61.2	1318256.74	13780.08
11:42:00	11:42:00	55.3	82.4	65.5	50.4	5:25 AM	338844.16	65.3	3388441.56	65.3	3388441.56	3548133.89
11:43:00	11:43:00	51.5	66.8	54.7	49.5	5:26 AM	141253.75	61.5	1412537.54	61.5	1412537.54	295120.92
11:44:00	11:44:00	50.8	65.2	51.6	50	5:27 AM	120226.44	60.8	1202264.43	60.8	1202264.43	144543.98
11:45:00	11:45:00	50.1	64	51.2	49.1	5:28 AM	102329.30	60.1	1023292.99	60.1	1023292.99	131825.67
11:46:00	11:46:00	50	64	51.6	48.7	5:29 AM	100000.00	60	1000000.00	60.0	1000000	

Data

12:11:00	12:11:00	54.8	80.9	62.5	50.7	5:54 AM	301995.17	64.8	301995.172	64.8	301995.172	1778279.41
12:12:00	12:12:00	51.7	66.2	52.7	50.9	5:55 AM	147910.84	61.7	1479108.39	61.7	1479108.39	186208.71
12:13:00	12:13:00	56.6	82.1	62.8	50.7	5:56 AM	457088.19	66.6	4570881.90	66.6	4570881.90	1905460.72
12:14:00	12:14:00	54.5	80.7	62.5	51.9	5:57 AM	281838.29	64.5	2818382.93	64.5	2818382.93	1778279.41
12:15:00	12:15:00	54.8	78.5	62.6	50.4	5:58 AM	301995.17	64.8	301995.172	64.8	301995.172	1819700.86
12:16:00	12:16:00	54.2	78.1	59	51.3	5:59 AM	263026.80	64.2	2630267.99	64.2	2630267.99	794328.23
12:17:00	12:17:00	51.8	69.3	52.9	50.7	6:00 AM	151356.12	61.8	1513561.25	61.8	1513561.25	194984.46
12:18:00	12:18:00	56.6	79.8	65	51	6:01 AM	457088.19	66.6	4570881.90	66.6	4570881.90	3162277.66
12:19:00	12:19:00	52.1	66.6	53.3	50.7	6:02 AM	162181.01	62.1	1621810.10	62.1	1621810.10	213796.21
12:20:00	12:20:00	51.4	66.5	52.8	50.2	6:03 AM	138038.43	61.4	1380384.26	61.4	1380384.26	190546.07
12:21:00	12:21:00	55.7	84.2	65.8	50.4	6:04 AM	371535.23	65.7	3715352.29	65.7	3715352.29	3801893.96
12:22:00	12:22:00	56.5	80.7	63.4	51.6	6:05 AM	446683.59	66.5	4466835.92	66.5	4466835.92	2187761.62
12:23:00	12:23:00	54.5	79.3	61.5	50.3	6:06 AM	281838.29	64.5	2818382.93	64.5	2818382.93	1412537.54
12:24:00	12:24:00	55.2	76.4	63.4	51	6:07 AM	331131.12	65.2	3311311.21	65.2	3311311.21	2187761.62
12:25:00	12:25:00	52.5	68.7	54.4	51	6:08 AM	177827.94	62.5	1778279.41	62.5	1778279.41	275422.87
12:26:00	12:26:00	53.1	70.9	55.9	51.3	6:09 AM	204173.79	63.1	2041737.94	63.1	2041737.94	389045.14
12:27:00	12:27:00	51.4	67	52.4	50.7	6:10 AM	138038.43	61.4	1380384.26	61.4	1380384.26	173780.08
12:28:00	12:28:00	52.4	78.1	56.6	51	6:11 AM	173780.08	62.4	1737800.83	62.4	1737800.83	457088.19
12:29:00	12:29:00	55.6	88.5	64	50.8	6:12 AM	363078.05	65.6	3630780.55	65.6	3630780.55	2511886.43
12:30:00	12:30:00	53	73	58.6	50.3	6:13 AM	199526.23	63	1995262.31	63.0	1995262.31	724435.96
12:31:00	12:31:00	53.9	81.6	61.5	50.8	6:14 AM	245470.89	63.9	2454708.92	63.9	2454708.92	1412537.54
12:32:00	12:32:00	55.5	76.2	60.4	51.7	6:15 AM	354813.39	65.5	3548133.89	65.5	3548133.89	1096478.20
12:33:00	12:33:00	52.8	84	58	51	6:16 AM	190546.07	62.8	1905460.72	62.8	1905460.72	630957.34
12:34:00	12:34:00	51.6	65.6	52.8	50.9	6:17 AM	144543.98	61.6	1445439.77	61.6	1445439.77	190546.07
12:35:00	12:35:00	54.9	78.3	63.3	51.8	6:18 AM	309029.54	64.9	3090295.43	64.9	3090295.43	2137962.09
12:36:00	12:36:00	52.6	71.8	54.3	51.4	6:19 AM	181970.08	62.6	1819700.86	62.6	1819700.86	269153.48
12:37:00	12:37:00	54.7	81.2	66.3	51	6:20 AM	295120.92	64.7	2951209.23	64.7	2951209.23	4265795.19
12:38:00	12:38:00	54.1	86.2	65.9	50.2	6:21 AM	257039.58	64.1	2570395.78	64.1	2570395.78	389045.14
12:39:00	12:39:00	51.5	68.7	53.1	50.7	6:22 AM	141253.75	61.5	1412537.54	61.5	1412537.54	204173.79
12:40:00	12:40:00	51.5	68	52.8	50.4	6:23 AM	141253.75	61.5	1412537.54	61.5	1412537.54	190546.07
12:41:00	12:41:00	57.1	85.3	68.4	50	6:24 AM	512861.38	67.1	5128613.84	67.1	5128613.84	6918309.71
12:42:00	12:42:00	55.7	80.4	62	51.8	6:25 AM	371535.23	65.7	3715352.29	65.7	3715352.29	1584893.19
12:43:00	12:43:00	52.7	73.5	58.8	51	6:26 AM	186208.71	62.7	1862087.14	62.7	1862087.14	758577.58
12:44:00	12:44:00	55.9	86.7	64.6	51.8	6:27 AM	389045.14	65.9	3890451.45	65.9	3890451.45	2884031.50
12:45:00	12:45:00	57.9	88.9	66.8	51.5	6:28 AM	616595.00	67.9	6165950.02	67.9	6165950.02	4786300.92
12:46:00	12:46:00	58.2	86.2	67.4	51.1	6:29 AM	660693.45	68.2	6606934.48	68.2	6606934.48	5495408.74
12:47:00	12:47:00	55	77.3	62.4	50.3	6:30 AM	316227.77	65	3162277.66	65.0	3162277.66	1737800.83
12:48:00	12:48:00	52.5	79	59.1	50.6	6:31 AM	177827.94	62.5	1778279.41	62.5	1778279.41	812830.52
12:49:00	12:49:00	55.3	83.3	62.7	51	6:32 AM	338844.16	65.3	3388441.56	65.3	3388441.56	1862087.14
12:50:00	12:50:00	52.7	77	56.1	50.8	6:33 AM	186208.71	62.7	1862087.14	62.7	1862087.14	407380.28
12:51:00	12:51:00	55.8	88.8	63.6	51.7	6:34 AM	380189.40	65.8	3801893.96	65.8	3801893.96	2290867.65
12:52:00	12:52:00	55.6	76.1	62.9	52.3	6:35 AM	363078.05	65.6	3630780.55	65.6	3630780.55	1949844.60
12:53:00	12:53:00	53.8	75.2	58.9	52.1	6:36 AM	239883.29	63.8	2398832.92	63.8	2398832.92	776247.12
12:54:00	12:54:00	53	70.6	54.2	52.3	6:37 AM	199526.23	63	1995262.31	63.0	1995262.31	263026.80
12:55:00	12:55:00	56.5	79.8	63.6	52.3	6:38 AM	446683.59	66.5	4466835.92	66.5	4466835.92	2290867.65
12:56:00	12:56:00	56.5	80.9	62.7	52.9	6:39 AM	446683.59	66.5	4466835.92	66.5	4466835.92	1862087.14
12:57:00	12:57:00	53.2	67.3	54	52.3	6:40 AM	208929.61	63.2	2089296.13	63.2	2089296.13	251188.64
12:58:00	12:58:00	55.9	81.2	62.6	51.8	6:41 AM	389045.14	65.9	3890451.45	65.9	3890451.45	1819700.86
12:59:00	12:59:00	54.7	75.3	59.2	53	6:42 AM	295120.92	64.7	2951209.23	64.7	2951209.23	831763.77
13:00:00	13:00:00	58.1	83.5	67.6	53.2	6:43 AM	645654.23	68.1	6456542.29	68.1	6456542.29	5754399.37
13:01:00	13:01:00	54.9	79.4	60.5	53	6:44 AM	309029.54	64.9	3090295.43	64.9	3090295.43	1122018.45
13:02:00	13:02:00	55.5	84.9	63.5	53.3	6:45 AM	354813.39	65.5	3548133.89	65.5	3548133.89	2238721.14
13:03:00	13:03:00	55.5	75.5	63.1	53.4	6:46 AM	354813.39	65.5	3548133.89	65.5	3548133.89	2041737.94
13:04:00	13:04:00	54.1	80.1	55.5	53.3	6:47 AM	257039.58	64.1	2570395.78	64.1	2570395.78	354813.39
13:05:00	13:05:00	54.5	79.6	57.8	53	6:48 AM	281838.29	64.5	2818382.93	64.5	2818382.93	602559.59
13:06:00	13:06:00	58.4	89	66.8	54.1	6:49 AM	691830.97	68.4	6918309.71	68.4	6918309.71	4786300.92
13:07:00	13:07:00	54.6	74.7	58.9	53	6:50 AM	288403.15	64.6	2884031.50	64.6	2884031.50	776247.12
13:08:00	13:08:00	57.9	84.9	67.7	53.3	6:51 AM	616595.00	67.9	6165950.02	67.9	6165950.02	5888436.55
13:09:00	13:09:00	55.5	74.1	59.3	53.6	6:52 AM	354813.39	65.5	3548133.89	65.5	3548133.89	851138.04
13:10:00	13:10:00	60.8	85.2	69.5	54.1	6:53 AM	1202264.43	70.8	12022644.35	70.8	12022644.35	8912509.38
13:11:00	13:11:00	56.1	78.4	63.4	53.4	6:54 AM	407380.28	66.1	4073802.78	66.1	4073802.78	2187761.62
13:12:00	13:12:00	56.4	78.1	63.5	53.7	6:55 AM	436515.83	66.4	4365158.32	66.4	4365158.32	2238721.14
13:13:00	13:13:00	57.7	83.1	65.9	53.4	6:56 AM	588843.66	67.7	5888436.55	67.7	5888436.55	389045.14
13:14:00	13:14:00	57.9	85.4	68.5	52.4	6:57 AM	616595.00	67.9	6165950.02	67.9	6165950.02	7079457.84
13:15:00	13:15:00	54.7	82.7	62.7	51.1	6:58 AM	295120.92	64.7	2951209.23	64.7	2951209.23	1862087.14
13:16:00	13:16:00	54.2	70.5	55.3	53.2	6:59 AM	263026.80	64.2	2630267.99	64.2	2630267.99	338844.16
13:17:00	13:17:00	54.6	69.5	56	53.7	7:00 AM	288403.15	54.6	288403.15	54.6	288403.15	398107.17
13:18:00	13:18:00	54.5	68.2	55.9	53.7	7:01 AM	281838.29	54.5	281838.29	54.5	281838.29	389045.14
13:19:00	13:19:00	54.2	70.6	56.5	52.8	7:02 AM	263026.80	54.2	263026.80	54.2	263026.80	446683.59
13:20:00	13:20:00	56.2	75.1	61.9	53.3	7:03 AM	416869.38	56.2	416869.38	56.2	416869.38	1548816.62
13:21:00	13:21:00	52.9	68.3	54.4	51.3	7:04 AM	194984.46	52.9	194984.46	52.9	194984.46	275422.87
13:22:00	13:22:00	58.9	82.7	64.3	51.3	7:05 AM	776247.12	58.9	776247.12	58.9	776247.12	2691534.80
13:23:00	13:23:00	54.3	70.9	55.8	53	7:06 AM	269153.48	54.3	269153.48	54.3	269153.48	380189.40
13:24:00	13:24:00	57.4	79	63	54.6	7:07 AM	549540.87	57.4	549540.87	57.4	549540.87	1995262.31
13:25:00	13:25:00	56.5	73.2	58.8	54.5	7:08 AM	446683.59	56.5	446683.59	56.5	446683.59	758577.58
13:26:00	13:26:00	54.8	69.4	56.7	53.1	7:09 AM	301995.17	54.8	301995.17	54.8	301995.17	467735.14
13:27:00	13:27:00	53.7	69	54.3	52.8	7:10 AM	234422.88	53.7	234422.88	53.7	234422.88	269153.48
13:28:00	13:28:00	59.6	82.7	66.1	52.9	7:11 AM	912010.84	59.6	912010.84	59.6	912010.84	407380.28
13:29:00	13:29:00	56.2	78.1	64.4	53.4	7:12 AM	416869.38	56.2	416869.38	56.2	416869.38	2754228.70
13:30:00	13:30:00	56.3	77.7	61.2	53.4	7:13 AM	426579.52	56.3	426579.52	56.3	426579.52	1318256.74
13:31:00	13:											

Data

13:56:00	13:56:00	61.2	85	68.8	53.4	7:39 AM	1318256.74	61.2	1318256.74	61.2	1318256.74	7585775.75
13:57:00	13:57:00	57.1	80.4	65	53.3	7:40 AM	512861.38	57.1	512861.38	57.1	512861.38	3162277.66
13:58:00	13:58:00	63	91.7	70.5	53.9	7:41 AM	1995262.31	63	1995262.31	63.0	1995262.31	11220184.54
13:59:00	13:59:00	60.2	84.1	68.8	52.9	7:42 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	7585775.75
14:00:00	14:00:00	54.1	72.2	56.9	52.2	7:43 AM	257039.58	54.1	257039.58	54.1	257039.58	489778.82
14:01:00	14:01:00	54.5	80.1	58.3	52.6	7:44 AM	281838.29	54.5	281838.29	54.5	281838.29	676082.98
14:02:00	14:02:00	56.3	74.3	60.6	53.1	7:45 AM	426579.52	56.3	426579.52	56.3	426579.52	1148153.62
14:03:00	14:03:00	58.9	84.6	67.7	52.9	7:46 AM	776247.12	58.9	776247.12	58.9	776247.12	5888436.55
14:04:00	14:04:00	57.3	75.1	61.9	54.4	7:47 AM	537031.80	57.3	537031.80	57.3	537031.80	1548816.62
14:05:00	14:05:00	55	75.1	58.7	52.5	7:48 AM	316227.77	55	316227.77	55.0	316227.77	741310.24
14:06:00	14:06:00	55.1	71.5	56.8	53.5	7:49 AM	323593.66	55.1	323593.66	55.1	323593.66	478630.09
14:07:00	14:07:00	57.2	84.8	68.3	52.1	7:50 AM	524807.46	57.2	524807.46	57.2	524807.46	6760829.75
14:08:00	14:08:00	55.9	73.5	64.2	51.9	7:51 AM	389045.14	55.9	389045.14	55.9	389045.14	2630267.99
14:09:00	14:09:00	57.5	77.9	64.1	51.3	7:52 AM	562341.33	57.5	562341.33	57.5	562341.33	2570395.78
14:10:00	14:10:00	56.8	80.4	63.3	52.8	7:53 AM	478630.09	56.8	478630.09	56.8	478630.09	2137962.09
14:11:00	14:11:00	59.2	84.6	67	53.8	7:54 AM	831763.77	59.2	831763.77	59.2	831763.77	5011872.34
14:12:00	14:12:00	55.1	69.3	56.3	54.2	7:55 AM	323593.66	55.1	323593.66	55.1	323593.66	426579.52
14:13:00	14:13:00	56.7	74.1	60.6	54.2	7:56 AM	467735.14	56.7	467735.14	56.7	467735.14	1148153.62
14:14:00	14:14:00	54.9	69.4	56.8	53.8	7:57 AM	309029.54	54.9	309029.54	54.9	309029.54	478630.09
14:15:00	14:15:00	60.9	80.3	65.8	54.2	7:58 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	3801893.96
14:16:00	14:16:00	56	81.6	63.6	53.5	7:59 AM	398107.17	56	398107.17	56.0	398107.17	2290867.65
14:17:00	14:17:00	56.9	76.9	63.4	52.9	8:00 AM	489778.82	56.9	489778.82	56.9	489778.82	2187761.62
14:18:00	14:18:00	54.3	69.8	56	53.4	8:01 AM	269153.48	54.3	269153.48	54.3	269153.48	398107.17
14:19:00	14:19:00	57.8	81.4	61.2	54.7	8:02 AM	602559.59	57.8	602559.59	57.8	602559.59	1318256.74
14:20:00	14:20:00	58.5	80.1	66.1	54.1	8:03 AM	707945.78	58.5	707945.78	58.5	707945.78	4073802.78
14:21:00	14:21:00	56	77.6	59	54	8:04 AM	398107.17	56	398107.17	56.0	398107.17	794328.23
14:22:00	14:22:00	54.8	68.8	55.9	54	8:05 AM	301995.17	54.8	301995.17	54.8	301995.17	389045.14
14:23:00	14:23:00	54.6	71.1	56	53.3	8:06 AM	288403.15	54.6	288403.15	54.6	288403.15	398107.17
14:24:00	14:24:00	56.8	77.4	61.9	54.2	8:07 AM	478630.09	56.8	478630.09	56.8	478630.09	1548816.62
14:25:00	14:25:00	59.1	84.9	64.3	55.3	8:08 AM	812830.52	59.1	812830.52	59.1	812830.52	2691534.80
14:26:00	14:26:00	61.1	88.7	72.5	54.6	8:09 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	17782794.10
14:27:00	14:27:00	63.5	81.7	67.6	55.6	8:10 AM	2238721.14	63.5	2238721.14	63.5	2238721.14	5754399.37
14:28:00	14:28:00	64	86.3	69.5	60.8	8:11 AM	2511886.43	64	2511886.43	64.0	2511886.43	8912509.38
14:29:00	14:29:00	61.8	83	67.1	59.5	8:12 AM	1513561.25	61.8	1513561.25	61.8	1513561.25	5128613.84
14:30:00	14:30:00	59.5	77.1	61.7	58	8:13 AM	891250.94	59.5	891250.94	59.5	891250.94	1479108.39
14:31:00	14:31:00	59.9	80.9	62.6	57.6	8:14 AM	977237.22	59.9	977237.22	59.9	977237.22	1819700.86
14:32:00	14:32:00	61.4	81.4	65.9	59	8:15 AM	1380384.26	61.4	1380384.26	61.4	1380384.26	3890451.45
14:33:00	14:33:00	66.4	84.9	71.6	61.5	8:16 AM	4365158.32	66.4	4365158.32	66.4	4365158.32	14454397.71
14:34:00	14:34:00	67.4	83.2	70.5	62.6	8:17 AM	5495408.74	67.4	5495408.74	67.4	5495408.74	11220184.54
14:35:00	14:35:00	64.6	81.5	67.7	61.9	8:18 AM	2884031.50	64.6	2884031.50	64.6	2884031.50	5888436.55
14:36:00	14:36:00	62.4	83.5	67.3	58.3	8:19 AM	1737800.83	62.4	1737800.83	62.4	1737800.83	5370317.96
14:37:00	14:37:00	60.3	77.1	63.4	56.4	8:20 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	2187761.62
14:38:00	14:38:00	59.4	80.7	64.9	56.4	8:21 AM	870963.59	59.4	870963.59	59.4	870963.59	3090295.43
14:39:00	14:39:00	57.4	77.7	61.2	54.5	8:22 AM	549540.87	57.4	549540.87	57.4	549540.87	1318256.74
14:40:00	14:40:00	62.5	88.3	67.4	56.7	8:23 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	5495408.74
14:41:00	14:41:00	61.2	81.8	66.4	58.9	8:24 AM	1318256.74	61.2	1318256.74	61.2	1318256.74	4365158.32
14:42:00	14:42:00	65.1	83.1	69.7	60	8:25 AM	3235936.57	65.1	3235936.57	65.1	3235936.57	9332543.01
14:43:00	14:43:00	65.1	90.6	68.2	60.2	8:26 AM	3235936.57	65.1	3235936.57	65.1	3235936.57	6606934.48
14:44:00	14:44:00	62.5	77.4	64.8	60.4	8:27 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	3019951.71
14:45:00	14:45:00	61.9	79.9	65.4	58.5	8:28 AM	1548816.62	61.9	1548816.62	61.9	1548816.62	3467368.50
14:46:00	14:46:00	60.4	82.9	63.4	58.6	8:29 AM	1096478.20	60.4	1096478.20	60.4	1096478.20	2187761.62
14:47:00	14:47:00	60.3	77.1	62.5	58.4	8:30 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	1778279.41
14:48:00	14:48:00	59.4	87.3	66.8	54.6	8:31 AM	870963.59	59.4	870963.59	59.4	870963.59	4786300.92
14:49:00	14:49:00	59	82.1	63.8	54.8	8:32 AM	794328.23	59	794328.23	59.0	794328.23	2398832.92
14:50:00	14:50:00	58.5	85.2	63.5	54	8:33 AM	707945.78	58.5	707945.78	58.5	707945.78	2238721.14
14:51:00	14:51:00	60.2	83.7	65	57.7	8:34 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	3162277.66
14:52:00	14:52:00	62.1	83.6	66.3	58.9	8:35 AM	1621810.10	62.1	1621810.10	62.1	1621810.10	4265795.19
14:53:00	14:53:00	56	85.8	63.3	51.6	8:36 AM	398107.17	56	398107.17	56.0	398107.17	2137962.09
14:54:00	14:54:00	61.7	91	70.5	53.4	8:37 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	11220184.54
14:55:00	14:55:00	56.2	72.1	61.5	52.9	8:38 AM	416869.38	56.2	416869.38	56.2	416869.38	1412537.54
14:56:00	14:56:00	53.4	71.2	56.6	52.3	8:39 AM	218776.16	53.4	218776.16	53.4	218776.16	457088.19
14:57:00	14:57:00	56.3	81.8	64	51.8	8:40 AM	426579.52	56.3	426579.52	56.3	426579.52	2511886.43
14:58:00	14:58:00	56.8	78.7	62.6	52	8:41 AM	478630.09	56.8	478630.09	56.8	478630.09	1819700.86
14:59:00	14:59:00	55.3	78.2	63	50.9	8:42 AM	338844.16	55.3	338844.16	55.3	338844.16	1995262.31
15:00:00	15:00:00	56.7	82.7	65.5	52.5	8:43 AM	467735.14	56.7	467735.14	56.7	467735.14	3548133.89
15:01:00	15:01:00	57.5	77.1	64.3	52.6	8:44 AM	562341.33	57.5	562341.33	57.5	562341.33	2691534.80
15:02:00	15:02:00	56.6	82.8	64.1	52.2	8:45 AM	457088.19	56.6	457088.19	56.6	457088.19	2570395.78
15:03:00	15:03:00	54.3	86.6	60.9	53.1	8:46 AM	269153.48	54.3	269153.48	54.3	269153.48	1230268.77
15:04:00	15:04:00	55.6	85	61.3	52.9	8:47 AM	363078.05	55.6	363078.05	55.6	363078.05	1348962.88
15:05:00	15:05:00	55.7	85.3	61.3	53.1	8:48 AM	371535.23	55.7	371535.23	55.7	371535.23	1348962.88
15:06:00	15:06:00	58	87	65.5	53	8:49 AM	630957.34	58	630957.34	58.0	630957.34	3548133.89
15:07:00	15:07:00	57.5	86.9	66.9	53.4	8:50 AM	562341.33	57.5	562341.33	57.5	562341.33	4897788.19
15:08:00	15:08:00	61.3	82.8	67.5	54.2	8:51 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	5623413.25
15:09:00	15:09:00	56.7	83.6	63.5	52.9	8:52 AM	467735.14	56.7	467735.14	56.7	467735.14	2238721.14
15:10:00	15:10:00	56.4	88.3	61.5	53	8:53 AM	436515.83	56.4	436515.83	56.4	436515.83	1412537.54
15:11:00	15:11:00	57.2	84	66.3	52.2	8:54 AM	524807.46	57.2	524807.46	57.2	524807.46	4265795.19
15:12:00	15:12:00	59.4	87.6	66.3	54	8:55 AM	870963.59	59.4	870963.59	59.4	870963.59	4265795.19
15:13:00	15:13:00	56.2	82.2	64.1	52	8:56 AM	416869.38	56.2	416869.38	56.2	416869.38	2570395.78
15:14:00	15:14:00	60.9	83	68.6	54.5	8:57 AM	1230268.77	60.9	1230268.77	60.9	1230268.77	7244359.60
15:15:00	15:15:00	59.8	84.4	68.5	51.9	8:58 AM	954992.59	59.8	954992.59	59.8	954992.59	7079457.84
15:16:00	15:16:00	54.3	82.5	59.7								

Data

15:41:00	15:41:00	59.8	94.9	70.5	51	9:24 AM	954992.59	59.8	954992.59	59.8	954992.59	11220184.54
15:42:00	15:42:00	58.5	83.6	64.4	52	9:25 AM	707945.78	58.5	707945.78	58.5	707945.78	2754228.70
15:43:00	15:43:00	57.8	87.4	67.9	51	9:26 AM	602559.59	57.8	602559.59	57.8	602559.59	6165950.02
15:44:00	15:44:00	55.7	77.1	61.5	52.9	9:27 AM	371535.23	55.7	371535.23	55.7	371535.23	1412537.54
15:45:00	15:45:00	54.4	78.4	58.8	51.1	9:28 AM	275422.87	54.4	275422.87	54.4	275422.87	758577.58
15:46:00	15:46:00	56.4	83.5	61.8	51.6	9:29 AM	436515.83	56.4	436515.83	56.4	436515.83	1513561.25
15:47:00	15:47:00	60	83.1	67	52.8	9:30 AM	1000000.00	60	1000000.00	60.0	1000000.00	5011872.34
15:48:00	15:48:00	55	76.3	61	51.9	9:31 AM	316227.77	55	316227.77	55.0	316227.77	1258925.41
15:49:00	15:49:00	57.6	82.6	65.9	51.4	9:32 AM	575439.94	57.6	575439.94	57.6	575439.94	3890451.45
15:50:00	15:50:00	57.2	79.3	64.3	52.4	9:33 AM	524807.46	57.2	524807.46	57.2	524807.46	2691534.80
15:51:00	15:51:00	54.5	82.5	61	51.2	9:34 AM	281838.29	54.5	281838.29	54.5	281838.29	1258925.41
15:52:00	15:52:00	56.2	82.9	65.4	50.3	9:35 AM	416869.38	56.2	416869.38	56.2	416869.38	3467368.50
15:53:00	15:53:00	55.9	80.1	60.6	51	9:36 AM	389045.14	55.9	389045.14	55.9	389045.14	1148153.62
15:54:00	15:54:00	55.1	76.8	61	51	9:37 AM	323593.66	55.1	323593.66	55.1	323593.66	1258925.41
15:55:00	15:55:00	53.3	75.9	59.8	51.5	9:38 AM	213796.21	53.3	213796.21	53.3	213796.21	954992.59
15:56:00	15:56:00	57.3	81.2	64	51.8	9:39 AM	537031.80	57.3	537031.80	57.3	537031.80	2511886.43
15:57:00	15:57:00	56.2	80.5	62.4	52.8	9:40 AM	416869.38	56.2	416869.38	56.2	416869.38	1737800.83
15:58:00	15:58:00	59.1	90.1	64.8	52.5	9:41 AM	812830.52	59.1	812830.52	59.1	812830.52	3019951.72
15:59:00	15:59:00	61.7	88.1	71.7	51.4	9:42 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	14791083.88
16:00:00	16:00:00	57.9	81.6	65	51.4	9:43 AM	616595.00	57.9	616595.00	57.9	616595.00	3162277.66
16:01:00	16:01:00	59	83.3	66.5	50.8	9:44 AM	794328.23	59	794328.23	59.0	794328.23	4466835.92
16:02:00	16:02:00	57.1	83.1	67.2	51.9	9:45 AM	512861.38	57.1	512861.38	57.1	512861.38	5248074.60
16:03:00	16:03:00	55.9	86	64.3	51.5	9:46 AM	389045.14	55.9	389045.14	55.9	389045.14	2691534.80
16:04:00	16:04:00	56	80.4	64.2	51.4	9:47 AM	398107.17	56	398107.17	56.0	398107.17	2630267.99
16:05:00	16:05:00	56	86.7	63.6	51.1	9:48 AM	398107.17	56	398107.17	56.0	398107.17	2290867.65
16:06:00	16:06:00	62.3	86.9	72.6	50.8	9:49 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	18197008.59
16:07:00	16:07:00	56.7	86.4	64	50.5	9:50 AM	467735.14	56.7	467735.14	56.7	467735.14	2511886.43
16:08:00	16:08:00	53.7	79.7	59.1	50.1	9:51 AM	234422.88	53.7	234422.88	53.7	234422.88	812830.52
16:09:00	16:09:00	57.4	82.5	63.6	51.5	9:52 AM	549540.87	57.4	549540.87	57.4	549540.87	2290867.65
16:10:00	16:10:00	57.2	82.6	66.5	50.2	9:53 AM	524807.46	57.2	524807.46	57.2	524807.46	4466835.92
16:11:00	16:11:00	54.2	80.6	58.6	51.7	9:54 AM	263026.80	54.2	263026.80	54.2	263026.80	724435.96
16:12:00	16:12:00	58.6	87	64.5	51	9:55 AM	724435.96	58.6	724435.96	58.6	724435.96	2818382.93
16:13:00	16:13:00	56	78.6	62.3	50.8	9:56 AM	398107.17	56	398107.17	56.0	398107.17	1698243.65
16:14:00	16:14:00	60.1	85.5	67.4	50.5	9:57 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	5495408.74
16:15:00	16:15:00	57.6	80.1	64.2	51.2	9:58 AM	575439.94	57.6	575439.94	57.6	575439.94	2630267.99
16:16:00	16:16:00	57.6	86.9	66.5	50.3	9:59 AM	575439.94	57.6	575439.94	57.6	575439.94	4466835.92
16:17:00	16:17:00	56.5	85.8	65.7	51	10:00 AM	446683.59	56.5	446683.59	56.5	446683.59	3715352.29
16:18:00	16:18:00	58.8	84.7	65.5	53.1	10:01 AM	758577.58	58.8	758577.58	58.8	758577.58	3548133.89
16:19:00	16:19:00	59.4	79.5	64.3	52.4	10:02 AM	870963.59	59.4	870963.59	59.4	870963.59	2691534.80
16:20:00	16:20:00	59.5	83.1	69	51.7	10:03 AM	891250.94	59.5	891250.94	59.5	891250.94	7943282.35
16:21:00	16:21:00	55.3	77.9	61.6	51.2	10:04 AM	338844.16	55.3	338844.16	55.3	338844.16	1445439.77
16:22:00	16:22:00	55.5	77.7	62.2	50.7	10:05 AM	354813.39	55.5	354813.39	55.5	354813.39	1659586.91
16:23:00	16:23:00	55.3	82.1	62	50.7	10:06 AM	338844.16	55.3	338844.16	55.3	338844.16	1584893.19
16:24:00	16:24:00	56.9	81.4	63.9	49.6	10:07 AM	489778.82	56.9	489778.82	56.9	489778.82	2454708.92
16:25:00	16:25:00	51.6	70.7	58.1	50	10:08 AM	144543.98	51.6	144543.98	51.6	144543.98	645654.23
16:26:00	16:26:00	55.4	77.9	63.6	50.1	10:09 AM	346736.85	55.4	346736.85	55.4	346736.85	2290867.65
16:27:00	16:27:00	56.8	82.6	63.7	51.4	10:10 AM	478630.09	56.8	478630.09	56.8	478630.09	2344228.82
16:28:00	16:28:00	60.2	88.6	70.1	52.6	10:11 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	10232929.92
16:29:00	16:29:00	52.1	68.7	53.3	51.4	10:12 AM	162181.01	52.1	162181.01	52.1	162181.01	213796.21
16:30:00	16:30:00	59.6	84.1	65.7	51	10:13 AM	912010.84	59.6	912010.84	59.6	912010.84	3715352.29
16:31:00	16:31:00	59.5	89.9	68.4	51.1	10:14 AM	891250.94	59.5	891250.94	59.5	891250.94	6918309.71
16:32:00	16:32:00	59.3	82.8	65.2	51	10:15 AM	851138.04	59.3	851138.04	59.3	851138.04	3311311.21
16:33:00	16:33:00	56.7	81	62.4	50.5	10:16 AM	467735.14	56.7	467735.14	56.7	467735.14	1737800.83
16:34:00	16:34:00	60.8	89.8	68.4	52.2	10:17 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	6918309.71
16:35:00	16:35:00	58.1	82.1	66.2	50.2	10:18 AM	645654.23	58.1	645654.23	58.1	645654.23	4168693.83
16:36:00	16:36:00	58.4	82.6	65.7	51.3	10:19 AM	691830.97	58.4	691830.97	58.4	691830.97	3715352.29
16:37:00	16:37:00	60.8	81.5	67.6	51.3	10:20 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	5754399.37
16:38:00	16:38:00	58.5	81.2	65.8	51.5	10:21 AM	707945.78	58.5	707945.78	58.5	707945.78	3801893.96
16:39:00	16:39:00	58.6	81.6	66.3	51.6	10:22 AM	724435.96	58.6	724435.96	58.6	724435.96	4265795.19
16:40:00	16:40:00	60.2	91.3	67.9	50.4	10:23 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	6165950.02
16:41:00	16:41:00	59.7	84.1	67.4	50.8	10:24 AM	933254.30	59.7	933254.30	59.7	933254.30	5495408.74
16:42:00	16:42:00	55.5	82.4	63	49.4	10:25 AM	354813.39	55.5	354813.39	55.5	354813.39	1995262.31
16:43:00	16:43:00	57.9	79.7	65.9	49.2	10:26 AM	616595.00	57.9	616595.00	57.9	616595.00	3890451.45
16:44:00	16:44:00	55	80.3	62.6	50.9	10:27 AM	316227.77	55	316227.77	55.0	316227.77	1819700.86
16:45:00	16:45:00	57.7	83.1	66	50.8	10:28 AM	588843.66	57.7	588843.66	57.7	588843.66	3981071.71
16:46:00	16:46:00	57.7	81.3	65.1	50	10:29 AM	588843.66	57.7	588843.66	57.7	588843.66	3235936.57
16:47:00	16:47:00	58.5	83.7	66.4	51.9	10:30 AM	707945.78	58.5	707945.78	58.5	707945.78	4365158.32
16:48:00	16:48:00	58.2	80.1	63.2	51.7	10:31 AM	660693.45	58.2	660693.45	58.2	660693.45	2089296.13
16:49:00	16:49:00	54.5	77.6	62	50.8	10:32 AM	281838.29	54.5	281838.29	54.5	281838.29	1584893.19
16:50:00	16:50:00	59.4	85.5	64.9	51.6	10:33 AM	870963.59	59.4	870963.59	59.4	870963.59	3090295.43
16:51:00	16:51:00	59.2	81.9	65.7	49.9	10:34 AM	831763.77	59.2	831763.77	59.2	831763.77	3715352.29
16:52:00	16:52:00	54.1	76.6	61.3	49.8	10:35 AM	257039.58	54.1	257039.58	54.1	257039.58	1384962.81
16:53:00	16:53:00	60.8	84.5	66.7	51.1	10:36 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	4677351.41
16:54:00	16:54:00	58.9	88.1	68.5	51.3	10:37 AM	776247.12	58.9	776247.12	58.9	776247.12	7079457.84
16:55:00	16:55:00	58.7	83.8	65.8	52.7	10:38 AM	741310.24	58.7	741310.24	58.7	741310.24	3801893.96
16:56:00	16:56:00	59.1	81.3	65.2	49.2	10:39 AM	812830.52	59.1	812830.52	59.1	812830.52	3311311.21
16:57:00	16:57:00	59.2	83.6	64.9	49.8	10:40 AM	831763.77	59.2	831763.77	59.2	831763.77	3090295.43
16:58:00	16:58:00	55.9	79.4	62	50.3	10:41 AM	389045.14	55.9	389045.14	55.9	389045.14	1584893.19
16:59:00	16:59:00	56.2	80.3	63.9	49.9	10:42 AM	416869.38	56.2	416869.38	56.2	416869.38	2454708.92
17:00:00	17:00:00	58.7	79.2	64.5	50.1	10:43 AM	741310.24	58.7	741310.24	58.7	741310.24	2818382.93
17:01:00	17:01:00	54.5	80.6	61.2								

17:26:00	17:26:00	57.9	82.6	66.4	48.8	11:09 AM	616595.00	57.9	616595.00	57.9	616595.00	4365158.32
17:27:00	17:27:00	59.2	86.8	67.8	48.2	11:10 AM	831763.77	59.2	831763.77	59.2	831763.77	6025595.86
17:28:00	17:28:00	57.3	80.7	64.3	47.1	11:11 AM	537031.80	57.3	537031.80	57.3	537031.80	2691534.80
17:29:00	17:29:00	58.2	94	68	47.9	11:12 AM	660693.45	58.2	660693.45	58.2	660693.45	6309573.44
17:30:00	17:30:00	57.7	85.2	66.2	48.4	11:13 AM	588843.66	57.7	588843.66	57.7	588843.66	4168693.83
17:31:00	17:31:00	59.6	84.3	65.1	47.7	11:14 AM	912010.84	59.6	912010.84	59.6	912010.84	3235936.57
17:32:00	17:32:00	55.4	80.8	62.8	48.6	11:15 AM	346736.85	55.4	346736.85	55.4	346736.85	1905460.72
17:33:00	17:33:00	55.9	83	66.2	49.3	11:16 AM	389045.14	55.9	389045.14	55.9	389045.14	4168693.83
17:34:00	17:34:00	54.8	79.5	63.7	48	11:17 AM	301995.17	54.8	301995.17	54.8	301995.17	2344228.82
17:35:00	17:35:00	60.8	87.4	67.1	47.2	11:18 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	5128613.84
17:36:00	17:36:00	53.7	75.4	60.8	48.4	11:19 AM	234422.88	53.7	234422.88	53.7	234422.88	1202264.43
17:37:00	17:37:00	59.1	82.7	65.4	49.4	11:20 AM	812830.52	59.1	812830.52	59.1	812830.52	3467368.50
17:38:00	17:38:00	63	86	69.2	48.4	11:21 AM	1995262.31	63	1995262.31	63.0	1995262.31	8317637.71
17:39:00	17:39:00	56.1	79.5	63.8	47.8	11:22 AM	407380.28	56.1	407380.28	56.1	407380.28	2398832.92
17:40:00	17:40:00	55.2	76.3	61.6	48	11:23 AM	331131.12	55.2	331131.12	55.2	331131.12	1445439.77
17:41:00	17:41:00	56.6	86.1	63.7	48.7	11:24 AM	457088.19	56.6	457088.19	56.6	457088.19	2344228.82
17:42:00	17:42:00	60.5	87.7	67.8	53	11:25 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	6025595.86
17:43:00	17:43:00	61.5	82.5	68.4	49.3	11:26 AM	1412537.54	61.5	1412537.54	61.5	1412537.54	6918309.71
17:44:00	17:44:00	55.2	79.7	63	47.7	11:27 AM	331131.12	55.2	331131.12	55.2	331131.12	1995262.31
17:45:00	17:45:00	56	82.1	62.7	46.5	11:28 AM	398107.17	56	398107.17	56.0	398107.17	1862087.14
17:46:00	17:46:00	53.8	78.2	62	46.1	11:29 AM	239883.29	53.8	239883.29	53.8	239883.29	1584893.19
17:47:00	17:47:00	57.7	83.8	66	47	11:30 AM	588843.66	57.7	588843.66	57.7	588843.66	3981071.71
17:48:00	17:48:00	56.9	77.2	61.3	49.3	11:31 AM	489778.82	56.9	489778.82	56.9	489778.82	1348962.88
17:49:00	17:49:00	59.5	82.3	66.4	49	11:32 AM	891250.94	59.5	891250.94	59.5	891250.94	4365158.32
17:50:00	17:50:00	53.2	78.8	62.1	47.7	11:33 AM	208929.61	53.2	208929.61	53.2	208929.61	1621810.10
17:51:00	17:51:00	56.3	81.8	61.9	48.9	11:34 AM	426579.52	56.3	426579.52	56.3	426579.52	1548816.62
17:52:00	17:52:00	54.3	79.2	59.2	48.6	11:35 AM	269153.48	54.3	269153.48	54.3	269153.48	831763.77
17:53:00	17:53:00	58.3	79.2	62.8	47.8	11:36 AM	676082.98	58.3	676082.98	58.3	676082.98	1905460.72
17:54:00	17:54:00	54.1	74.9	60.1	48	11:37 AM	257039.58	54.1	257039.58	54.1	257039.58	1023292.99
17:55:00	17:55:00	57.2	84.8	63.2	47.1	11:38 AM	524807.46	57.2	524807.46	57.2	524807.46	2089296.13
17:56:00	17:56:00	60.7	90.8	70	49.3	11:39 AM	1174897.55	60.7	1174897.55	60.7	1174897.55	1000000.00
17:57:00	17:57:00	57.9	81.5	64.3	50.1	11:40 AM	616595.00	57.9	616595.00	57.9	616595.00	2691534.80
17:58:00	17:58:00	56.9	82.2	65.2	48.4	11:41 AM	489778.82	56.9	489778.82	56.9	489778.82	3311311.21
17:59:00	17:59:00	58.5	89.7	68.5	49.1	11:42 AM	707945.78	58.5	707945.78	58.5	707945.78	7079457.84
18:00:00	18:00:00	59.2	81.7	67.9	48.6	11:43 AM	831763.77	59.2	831763.77	59.2	831763.77	6165950.02
18:01:00	18:01:00	58.9	83.1	65.5	49.5	11:44 AM	776247.12	58.9	776247.12	58.9	776247.12	3548133.89
18:02:00	18:02:00	49.4	77.2	52.7	48	11:45 AM	87096.36	49.4	87096.36	49.4	87096.36	186208.71
18:03:00	18:03:00	60.5	87.8	66.8	49.7	11:46 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	4786300.92
18:04:00	18:04:00	59.2	82.3	64.6	50.1	11:47 AM	831763.77	59.2	831763.77	59.2	831763.77	2884031.50
18:05:00	18:05:00	57.6	81.9	67.7	48.2	11:48 AM	575439.94	57.6	575439.94	57.6	575439.94	5888436.55
18:06:00	18:06:00	59.1	82	68.8	49.5	11:49 AM	812830.52	59.1	812830.52	59.1	812830.52	7585775.75
18:07:00	18:07:00	54.8	78.1	62.3	47.1	11:50 AM	301995.17	54.8	301995.17	54.8	301995.17	1698243.65
18:08:00	18:08:00	54.8	81.5	61	49.4	11:51 AM	301995.17	54.8	301995.17	54.8	301995.17	1258925.41
18:09:00	18:09:00	55.8	80.5	62.8	48.3	11:52 AM	380189.40	55.8	380189.40	55.8	380189.40	1905460.72
18:10:00	18:10:00	55.1	78	60.5	48.8	11:53 AM	323593.66	55.1	323593.66	55.1	323593.66	1122018.45
18:11:00	18:11:00	60.2	90.7	72.9	49	11:54 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	19498446.00
18:12:00	18:12:00	60.6	87.6	72.5	49.5	11:55 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	17782794.10
18:13:00	18:13:00	57.8	83.6	66.5	49.3	11:56 AM	602559.59	57.8	602559.59	57.8	602559.59	4466835.92
18:14:00	18:14:00	55	79.9	64	48.2	11:57 AM	316227.77	55	316227.77	55.0	316227.77	2511886.43
18:15:00	18:15:00	59.9	84.5	70.2	48.4	11:58 AM	977237.22	59.9	977237.22	59.9	977237.22	10471285.48
18:16:00	18:16:00	58.4	79.9	64.2	49.1	11:59 AM	691830.97	58.4	691830.97	58.4	691830.97	2630267.99
18:17:00	18:17:00	55.5	81.1	63.5	48.4	12:00 PM	354813.39	55.5	354813.39	55.5	354813.39	2238721.14
18:18:00	18:18:00	60.8	84	67.7	49.1	12:01 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	5888436.55
18:19:00	18:19:00	56.5	80.3	64.1	49.8	12:02 PM	446683.59	56.5	446683.59	56.5	446683.59	2570395.78
18:20:00	18:20:00	58.7	84.7	67.5	48.2	12:03 PM	741310.24	58.7	741310.24	58.7	741310.24	5623413.25
18:21:00	18:21:00	58.3	80.1	64.2	48	12:04 PM	676082.98	58.3	676082.98	58.3	676082.98	2630267.99
18:22:00	18:22:00	65.2	85.4	71.9	52.7	12:05 PM	3311311.21	65.2	3311311.21	65.2	3311311.21	15488166.19
18:23:00	18:23:00	57.3	82.3	64.3	49.3	12:06 PM	537031.80	57.3	537031.80	57.3	537031.80	2691534.80
18:24:00	18:24:00	59.4	84	64.5	49.4	12:07 PM	870963.59	59.4	870963.59	59.4	870963.59	2818382.93
18:25:00	18:25:00	57.1	83.9	64.1	47.4	12:08 PM	512861.38	57.1	512861.38	57.1	512861.38	2570395.78
18:26:00	18:26:00	57.3	91.3	70.2	49	12:09 PM	537031.80	57.3	537031.80	57.3	537031.80	10471285.48
18:27:00	18:27:00	61.2	87.7	65.9	50.1	12:10 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	3890451.45
18:28:00	18:28:00	59.3	79.5	64.7	50.3	12:11 PM	851138.04	59.3	851138.04	59.3	851138.04	2951209.23
18:29:00	18:29:00	50.7	66	53.7	48.9	12:12 PM	117489.76	50.7	117489.76	50.7	117489.76	2344228.82
18:30:00	18:30:00	58.4	87.2	64.7	49	12:13 PM	691830.97	58.4	691830.97	58.4	691830.97	2951209.23
18:31:00	18:31:00	53.1	81.9	61.2	49.3	12:14 PM	204173.79	53.1	204173.79	53.1	204173.79	1318256.74
18:32:00	18:32:00	58	83.3	65.1	50.5	12:15 PM	630957.34	58	630957.34	58.0	630957.34	3235936.57
18:33:00	18:33:00	54.3	77.7	62.4	50.1	12:16 PM	269153.48	54.3	269153.48	54.3	269153.48	1737800.83
18:34:00	18:34:00	58.9	89.2	66	50.7	12:17 PM	776247.12	58.9	776247.12	58.9	776247.12	3981071.71
18:35:00	18:35:00	57.9	82	66.4	48.9	12:18 PM	616595.00	57.9	616595.00	57.9	616595.00	4365158.32
18:36:00	18:36:00	59.2	85.3	67.7	49.5	12:19 PM	831763.77	59.2	831763.77	59.2	831763.77	5888436.55
18:37:00	18:37:00	60.2	84.7	67.1	52.4	12:20 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	5128613.84
18:38:00	18:38:00	54.8	80.4	63.3	49.3	12:21 PM	301995.17	54.8	301995.17	54.8	301995.17	2137962.09
18:39:00	18:39:00	59.2	85.7	67.4	48.6	12:22 PM	831763.77	59.2	831763.77	59.2	831763.77	5495408.74
18:40:00	18:40:00	55	77.6	62.1	48.6	12:23 PM	316227.77	55	316227.77	55.0	316227.77	1621810.10
18:41:00	18:41:00	54.8	80.2	62.2	46.9	12:24 PM	301995.17	54.8	301995.17	54.8	301995.17	1659586.91
18:42:00	18:42:00	66.3	89.2	74.6	48.9	12:25 PM	4265795.19	66.3	4265795.19	66.3	4265795.19	28840315.03
18:43:00	18:43:00	59.7	85.3	65.2	50.9	12:26 PM	933254.30	59.7	933254.30	59.7	933254.30	3311311.21
18:44:00	18:44:00	69.6	94.7	79.9	50.6	12:27 PM	9120108.39	69.6	9120108.39	69.6	9120108.39	97723722.10
18:45:00	18:45:00	57.9	86.2	65.1	49.5	12:28 PM	616595.00	57.9	616595.00	57.9	616595.00	3235936.57
18:46:00	18:4											

Data

19:11:00	19:11:00	57.4	83.1	65.2	50.8	12:54 PM	549540.87	57.4	549540.87	57.4	549540.87	3311311.21
19:12:00	19:12:00	57.3	82.6	65.2	46.8	12:55 PM	537031.80	57.3	537031.80	57.3	537031.80	3311311.21
19:13:00	19:13:00	58.5	82.6	66	47.3	12:56 PM	707945.78	58.5	707945.78	58.5	707945.78	3981071.71
19:14:00	19:14:00	59.5	85.5	67.6	48.4	12:57 PM	891250.94	59.5	891250.94	59.5	891250.94	5754399.37
19:15:00	19:15:00	54.1	82.8	62.1	47.4	12:58 PM	257039.58	54.1	257039.58	54.1	257039.58	1621810.10
19:16:00	19:16:00	58.3	86	66.9	48.4	12:59 PM	676082.98	58.3	676082.98	58.3	676082.98	4897788.19
19:17:00	19:17:00	52.7	79.3	63.1	46.2	1:00 PM	186208.71	52.7	186208.71	52.7	186208.71	2041737.94
19:18:00	19:18:00	55.1	82.5	66	46.8	1:01 PM	323593.66	55.1	323593.66	55.1	323593.66	3981071.71
19:19:00	19:19:00	58.2	82	64.2	49.8	1:02 PM	660693.45	58.2	660693.45	58.2	660693.45	2630267.99
19:20:00	19:20:00	59.5	83.5	66.6	47.9	1:03 PM	891250.94	59.5	891250.94	59.5	891250.94	4570881.90
19:21:00	19:21:00	59.9	88.1	67	47.4	1:04 PM	977237.22	59.9	977237.22	59.9	977237.22	5011872.34
19:22:00	19:22:00	52.1	77.5	59.4	47.5	1:05 PM	162181.01	52.1	162181.01	52.1	162181.01	870963.59
19:23:00	19:23:00	55.9	77.1	62.7	47.4	1:06 PM	389045.14	55.9	389045.14	55.9	389045.14	1862087.14
19:24:00	19:24:00	58.8	80.9	62.8	48.9	1:07 PM	758577.58	58.8	758577.58	58.8	758577.58	1905460.72
19:25:00	19:25:00	52.4	84.5	62.9	47.7	1:08 PM	173780.08	52.4	173780.08	52.4	173780.08	1949844.60
19:26:00	19:26:00	57	83.6	64.9	48.9	1:09 PM	501187.23	57	501187.23	57.0	501187.23	3090295.43
19:27:00	19:27:00	59	84.9	66.5	50.9	1:10 PM	794328.23	59	794328.23	59.0	794328.23	4466835.92
19:28:00	19:28:00	58.3	78.4	64.1	50	1:11 PM	676082.98	58.3	676082.98	58.3	676082.98	2570395.78
19:29:00	19:29:00	67.6	97	76.2	53.5	1:12 PM	5754399.37	67.6	5754399.37	67.6	5754399.37	41686938.35
19:30:00	19:30:00	56.9	82.9	65.4	49	1:13 PM	489778.82	56.9	489778.82	56.9	489778.82	3467368.50
19:31:00	19:31:00	60.7	84.8	69.1	49.8	1:14 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	8128305.16
19:32:00	19:32:00	64.6	86.5	71.4	55.8	1:15 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	13803842.65
19:33:00	19:33:00	59.2	81.8	65.4	49.3	1:16 PM	831763.77	59.2	831763.77	59.2	831763.77	3467368.50
19:34:00	19:34:00	52.7	78.3	60.8	47.7	1:17 PM	186208.71	52.7	186208.71	52.7	186208.71	1202264.43
19:35:00	19:35:00	51.9	77.7	56.8	47.1	1:18 PM	154881.66	51.9	154881.66	51.9	154881.66	478630.09
19:36:00	19:36:00	52.7	78.8	60.9	46.3	1:19 PM	186208.71	52.7	186208.71	52.7	186208.71	1230268.77
19:37:00	19:37:00	59.8	81.2	66.3	47	1:20 PM	954992.59	59.8	954992.59	59.8	954992.59	4265795.19
19:38:00	19:38:00	58.3	85	64.6	48.4	1:21 PM	676082.98	58.3	676082.98	58.3	676082.98	2884031.50
19:39:00	19:39:00	57.5	81	65.7	50.4	1:22 PM	562341.33	57.5	562341.33	57.5	562341.33	3715352.29
19:40:00	19:40:00	55.6	77.9	62.2	48.3	1:23 PM	363078.05	55.6	363078.05	55.6	363078.05	1659586.91
19:41:00	19:41:00	63	84.9	72.7	48.5	1:24 PM	1995262.31	63	1995262.31	63.0	1995262.31	18620871.37
19:42:00	19:42:00	56.8	81.9	62.7	49.6	1:25 PM	478630.09	56.8	478630.09	56.8	478630.09	1862087.14
19:43:00	19:43:00	56.3	83.6	66.7	47.2	1:26 PM	426579.52	56.3	426579.52	56.3	426579.52	4677351.41
19:44:00	19:44:00	58.2	83.3	66.6	47.5	1:27 PM	660693.45	58.2	660693.45	58.2	660693.45	4570881.90
19:45:00	19:45:00	54.6	82.5	65.5	47.8	1:28 PM	288403.15	54.6	288403.15	54.6	288403.15	3548133.89
19:46:00	19:46:00	58.3	85.1	67.1	47.4	1:29 PM	676082.98	58.3	676082.98	58.3	676082.98	5128613.84
19:47:00	19:47:00	58.7	82	66.8	47.4	1:30 PM	741310.24	58.7	741310.24	58.7	741310.24	4786300.92
19:48:00	19:48:00	64	85.6	72	50.7	1:31 PM	2511886.43	64	2511886.43	64.0	2511886.43	15848931.92
19:49:00	19:49:00	54	81	62.4	47.2	1:32 PM	251188.64	54	251188.64	54.0	251188.64	1737800.83
19:50:00	19:50:00	55.6	82.9	63.3	47.4	1:33 PM	363078.05	55.6	363078.05	55.6	363078.05	2137962.09
19:51:00	19:51:00	55.7	81	64.4	47.9	1:34 PM	371535.23	55.7	371535.23	55.7	371535.23	2754228.70
19:52:00	19:52:00	54.8	85	62.9	49	1:35 PM	301995.17	54.8	301995.17	54.8	301995.17	1949844.60
19:53:00	19:53:00	58.6	87.3	68.2	48	1:36 PM	724435.96	58.6	724435.96	58.6	724435.96	6606934.48
19:54:00	19:54:00	61.7	84.3	70.9	48.7	1:37 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	12302687.71
19:55:00	19:55:00	54.4	79.6	61.2	48.3	1:38 PM	275422.87	54.4	275422.87	54.4	275422.87	1318256.74
19:56:00	19:56:00	58.2	81.6	62.9	49.1	1:39 PM	660693.45	58.2	660693.45	58.2	660693.45	1949844.60
19:57:00	19:57:00	56.6	82	62.9	47.5	1:40 PM	457088.19	56.6	457088.19	56.6	457088.19	1949844.60
19:58:00	19:58:00	57.9	83.7	66.1	49	1:41 PM	616595.00	57.9	616595.00	57.9	616595.00	4073802.78
19:59:00	19:59:00	49.5	68.6	54.2	47.2	1:42 PM	89125.09	49.5	89125.09	49.5	89125.09	263026.80
20:00:00	20:00:00	58.7	86.3	67.7	49.6	1:43 PM	741310.24	58.7	741310.24	58.7	741310.24	5888436.55
20:01:00	20:01:00	56.4	81.4	64.9	49.1	1:44 PM	436515.83	56.4	436515.83	56.4	436515.83	3090295.43
20:02:00	20:02:00	62.2	83	67.9	51.5	1:45 PM	1659586.91	62.2	1659586.91	62.2	1659586.91	6165950.02
20:03:00	20:03:00	56.1	81.3	63.3	47.5	1:46 PM	407380.28	56.1	407380.28	56.1	407380.28	2137962.09
20:04:00	20:04:00	57.7	88.1	67.2	47.9	1:47 PM	588843.66	57.7	588843.66	57.7	588843.66	5248074.60
20:05:00	20:05:00	57.8	81.2	65.1	47	1:48 PM	602559.59	57.8	602559.59	57.8	602559.59	3235936.57
20:06:00	20:06:00	47.5	67.6	50.2	46.1	1:49 PM	56234.13	47.5	56234.13	47.5	56234.13	104712.85
20:07:00	20:07:00	59.5	90.7	67.4	46.4	1:50 PM	891250.94	59.5	891250.94	59.5	891250.94	5495408.74
20:08:00	20:08:00	58.3	88.8	63.9	49.7	1:51 PM	676082.98	58.3	676082.98	58.3	676082.98	2454708.92
20:09:00	20:09:00	58.7	81.2	66.1	50.5	1:52 PM	741310.24	58.7	741310.24	58.7	741310.24	4073802.78
20:10:00	20:10:00	72	96.6	84	49.8	1:53 PM	15848931.92	72	15848931.92	72.0	15848931.92	251188643.15
20:11:00	20:11:00	66.2	86.9	71.5	53.6	1:54 PM	4168693.83	66.2	4168693.83	66.2	4168693.83	14125375.45
20:12:00	20:12:00	58.3	84	66.3	47.6	1:55 PM	676082.98	58.3	676082.98	58.3	676082.98	4265795.19
20:13:00	20:13:00	54.5	83	64.4	46.9	1:56 PM	281838.29	54.5	281838.29	54.5	281838.29	2754228.70
20:14:00	20:14:00	54.8	79.2	62	47.5	1:57 PM	301995.17	54.8	301995.17	54.8	301995.17	1584893.19
20:15:00	20:15:00	53.7	79	61.1	47.7	1:58 PM	234422.88	53.7	234422.88	53.7	234422.88	1288249.55
20:16:00	20:16:00	57.1	79.4	63	46.7	1:59 PM	512861.38	57.1	512861.38	57.1	512861.38	1995262.31
20:17:00	20:17:00	57.4	84.1	65.4	46.9	2:00 PM	549540.87	57.4	549540.87	57.4	549540.87	3467368.50
20:18:00	20:18:00	57.5	84.3	63.2	50.7	2:01 PM	562341.33	57.5	562341.33	57.5	562341.33	2089296.13
20:19:00	20:19:00	57.4	88.3	64.4	48.3	2:02 PM	549540.87	57.4	549540.87	57.4	549540.87	2754228.70
20:20:00	20:20:00	63.4	87.3	69.5	51.2	2:03 PM	2187761.62	63.4	2187761.62	63.4	2187761.62	8912509.38
20:21:00	20:21:00	59.2	78	64.1	58	2:04 PM	831763.77	59.2	831763.77	59.2	831763.77	2570395.78
20:22:00	20:22:00	61.2	88.8	66.6	58	2:05 PM	1318256.74	61.2	1318256.74	61.2	1318256.74	4570881.90
20:23:00	20:23:00	62.1	87.5	68.4	58.5	2:06 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	6918309.71
20:24:00	20:24:00	60.6	80.3	64.5	57.9	2:07 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	2818382.93
20:25:00	20:25:00	60.6	81.4	66.8	58	2:08 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	4786300.92
20:26:00	20:26:00	61	85.5	66.2	58.2	2:09 PM	1258925.41	61	1258925.41	61.0	1258925.41	4168693.83
20:27:00	20:27:00	64.4	85.2	72.2	59	2:10 PM	2754228.70	64.4	2754228.70	64.4	2754228.70	16595869.07
20:28:00	20:28:00	61.9	86	67.2	57.9	2:11 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	5248074.60
20:29:00	20:29:00	60	82.2	65	57.5	2:12 PM	1000000.00	60	1000000.00	60.0	1000000.00	3162277.66
20:30:00	20:30:00	60.7	80.6	63.8	58.2	2:13 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	2398832.92
20:31:00	20:31:00	69.7	89.3	77.7	55.9	2:14 PM	9332					

Data

20:56:00	20:56:00	62.4	85	72.5	50.7	2:39 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	17782794.10
20:57:00	20:57:00	58	80	64.8	49.3	2:40 PM	630957.34	58	630957.34	58.0	630957.34	3019951.72
20:58:00	20:58:00	55.3	81.9	62.5	49.7	2:41 PM	338844.16	55.3	338844.16	55.3	338844.16	1778279.41
20:59:00	20:59:00	56.2	76.1	62	49.8	2:42 PM	416869.38	56.2	416869.38	56.2	416869.38	1584893.19
21:00:00	21:00:00	56.1	77.2	63	48.4	2:43 PM	407380.28	56.1	407380.28	56.1	407380.28	1995262.31
21:01:00	21:01:00	57.5	81	63.1	48.9	2:44 PM	562341.33	57.5	562341.33	57.5	562341.33	2041737.94
21:02:00	21:02:00	52.9	78.5	60.6	48.1	2:45 PM	194984.46	52.9	194984.46	52.9	194984.46	1148153.62
21:03:00	21:03:00	55.4	81.6	63.5	47.8	2:46 PM	346736.85	55.4	346736.85	55.4	346736.85	2238721.14
21:04:00	21:04:00	57.1	86	65.9	47.5	2:47 PM	512861.38	57.1	512861.38	57.1	512861.38	3890451.45
21:05:00	21:05:00	57.5	85.5	62.9	48.7	2:48 PM	562341.33	57.5	562341.33	57.5	562341.33	1949844.60
21:06:00	21:06:00	50	67.1	55.2	47.9	2:49 PM	100000.00	50	100000.00	50.0	100000.00	331131.12
21:07:00	21:07:00	59.2	82.1	67.2	49.2	2:50 PM	831763.77	59.2	831763.77	59.2	831763.77	5248074.60
21:08:00	21:08:00	57.4	80.1	65	48.3	2:51 PM	549540.87	57.4	549540.87	57.4	549540.87	3162277.66
21:09:00	21:09:00	52.2	76.7	58.4	47	2:52 PM	165958.69	52.2	165958.69	52.2	165958.69	691830.97
21:10:00	21:10:00	59	81.8	65.8	47.8	2:53 PM	794328.23	59	794328.23	59.0	794328.23	3801893.96
21:11:00	21:11:00	57.6	81.6	64.1	48.7	2:54 PM	575439.94	57.6	575439.94	57.6	575439.94	2570395.78
21:12:00	21:12:00	57.3	82.5	64.8	48.3	2:55 PM	537031.80	57.3	537031.80	57.3	537031.80	3019951.72
21:13:00	21:13:00	55.4	83	62.3	47.6	2:56 PM	346736.85	55.4	346736.85	55.4	346736.85	1698243.65
21:14:00	21:14:00	56.5	81.2	62.9	48	2:57 PM	446683.59	56.5	446683.59	56.5	446683.59	1949844.60
21:15:00	21:15:00	54.5	81.7	61.6	47.6	2:58 PM	281838.29	54.5	281838.29	54.5	281838.29	1445439.77
21:16:00	21:16:00	55.4	78.8	62.3	46.4	2:59 PM	346736.85	55.4	346736.85	55.4	346736.85	1698243.65
21:17:00	21:17:00	56.4	80.6	62.4	46.3	3:00 PM	436515.83	56.4	436515.83	56.4	436515.83	1737800.83
21:18:00	21:18:00	56.4	81.6	66	48.4	3:01 PM	436515.83	56.4	436515.83	56.4	436515.83	3981071.71
21:19:00	21:19:00	58.2	85.3	66.1	47.5	3:02 PM	660693.45	58.2	660693.45	58.2	660693.45	4073802.78
21:20:00	21:20:00	60.6	86.6	68.4	47.3	3:03 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	6918309.71
21:21:00	21:21:00	55.9	79	64.4	48.1	3:04 PM	389045.14	55.9	389045.14	55.9	389045.14	2754228.70
21:22:00	21:22:00	57.3	81.9	64.5	47.5	3:05 PM	537031.80	57.3	537031.80	57.3	537031.80	2818382.93
21:23:00	21:23:00	57.3	81.3	66	49.6	3:06 PM	537031.80	57.3	537031.80	57.3	537031.80	3981071.71
21:24:00	21:24:00	58.4	89.4	67	47.2	3:07 PM	691830.97	58.4	691830.97	58.4	691830.97	5011872.34
21:25:00	21:25:00	61.1	85.2	71.4	47.5	3:08 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	13803842.65
21:26:00	21:26:00	55.7	80.7	61.5	48.9	3:09 PM	371535.23	55.7	371535.23	55.7	371535.23	1412537.54
21:27:00	21:27:00	58.5	82.2	64.1	49	3:10 PM	707945.78	58.5	707945.78	58.5	707945.78	2570395.78
21:28:00	21:28:00	57.5	84.6	67.3	49.8	3:11 PM	562341.33	57.5	562341.33	57.5	562341.33	5370317.96
21:29:00	21:29:00	55.3	83.1	63.8	48	3:12 PM	338844.16	55.3	338844.16	55.3	338844.16	2398832.92
21:30:00	21:30:00	61.3	85.4	69	47.3	3:13 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	7943282.35
21:31:00	21:31:00	54.7	79.4	63.3	46.3	3:14 PM	295120.92	54.7	295120.92	54.7	295120.92	2137962.09
21:32:00	21:32:00	59.4	83.6	68	46.7	3:15 PM	870963.59	59.4	870963.59	59.4	870963.59	6309573.44
21:33:00	21:33:00	58.7	80.9	65	47.1	3:16 PM	741310.24	58.7	741310.24	58.7	741310.24	3162277.66
21:34:00	21:34:00	59.1	82.2	67.2	48.2	3:17 PM	812830.52	59.1	812830.52	59.1	812830.52	5248074.60
21:35:00	21:35:00	59.2	81.9	66	47.7	3:18 PM	831763.77	59.2	831763.77	59.2	831763.77	3981071.71
21:36:00	21:36:00	53.8	83.7	62.4	48.1	3:19 PM	239883.29	53.8	239883.29	53.8	239883.29	1737800.83
21:37:00	21:37:00	52.1	82.5	60	46.9	3:20 PM	162181.01	52.1	162181.01	52.1	162181.01	1000000.00
21:38:00	21:38:00	59.2	82	65	47.1	3:21 PM	831763.77	59.2	831763.77	59.2	831763.77	3162277.66
21:39:00	21:39:00	52.3	76.7	60.9	47.4	3:22 PM	169824.37	52.3	169824.37	52.3	169824.37	1230268.77
21:40:00	21:40:00	59.2	88	66.8	48.1	3:23 PM	831763.77	59.2	831763.77	59.2	831763.77	4786300.92
21:41:00	21:41:00	57.6	85.1	64.2	47.8	3:24 PM	575439.94	57.6	575439.94	57.6	575439.94	2630267.99
21:42:00	21:42:00	57.7	80.9	64	49.4	3:25 PM	588843.66	57.7	588843.66	57.7	588843.66	2511886.43
21:43:00	21:43:00	57.3	85.8	66.3	47.6	3:26 PM	537031.80	57.3	537031.80	57.3	537031.80	4265795.19
21:44:00	21:44:00	57.2	83.7	65.2	48	3:27 PM	524807.46	57.2	524807.46	57.2	524807.46	3311311.21
21:45:00	21:45:00	55.8	83.1	64.5	47.8	3:28 PM	380189.40	55.8	380189.40	55.8	380189.40	2818382.93
21:46:00	21:46:00	54.3	78.2	62.2	47.4	3:29 PM	269153.48	54.3	269153.48	54.3	269153.48	1659586.91
21:47:00	21:47:00	58.3	83.7	65.6	49.9	3:30 PM	676082.98	58.3	676082.98	58.3	676082.98	3630780.55
21:48:00	21:48:00	57.2	83.1	63.6	49.8	3:31 PM	524807.46	57.2	524807.46	57.2	524807.46	2290867.65
21:49:00	21:49:00	56.7	80.8	61.8	50.1	3:32 PM	467735.14	56.7	467735.14	56.7	467735.14	1513561.25
21:50:00	21:50:00	56.7	80.1	62.8	48.2	3:33 PM	467735.14	56.7	467735.14	56.7	467735.14	1905460.72
21:51:00	21:51:00	61.5	83.1	68	49.2	3:34 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	6309573.44
21:52:00	21:52:00	57.5	86.7	68	46.8	3:35 PM	562341.33	57.5	562341.33	57.5	562341.33	6309573.44
21:53:00	21:53:00	58.3	81.8	66.4	46.8	3:36 PM	676082.98	58.3	676082.98	58.3	676082.98	4365158.32
21:54:00	21:54:00	56.4	78.8	63.2	47.8	3:37 PM	436515.83	56.4	436515.83	56.4	436515.83	2089296.13
21:55:00	21:55:00	60.3	81.3	66.5	48.9	3:38 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	4466835.92
21:56:00	21:56:00	54.1	79.3	61	45.6	3:39 PM	257039.58	54.1	257039.58	54.1	257039.58	1258925.41
21:57:00	21:57:00	58.1	86	67.4	46.6	3:40 PM	645654.23	58.1	645654.23	58.1	645654.23	5495408.74
21:58:00	21:58:00	54.3	78.5	63	48	3:41 PM	269153.48	54.3	269153.48	54.3	269153.48	1995262.31
21:59:00	21:59:00	55.7	81.8	63.4	46.4	3:42 PM	371535.23	55.7	371535.23	55.7	371535.23	2187761.62
22:00:00	22:00:00	55.4	82.8	65.9	45.8	3:43 PM	346736.85	55.4	346736.85	55.4	346736.85	3890451.45
22:01:00	22:01:00	58.8	80	63.2	48.1	3:44 PM	758577.58	58.8	758577.58	58.8	758577.58	2089296.13
22:02:00	22:02:00	58.5	84.2	66.2	46.8	3:45 PM	707945.78	58.5	707945.78	58.5	707945.78	4168693.83
22:03:00	22:03:00	57.2	79.6	64.5	48.2	3:46 PM	524807.46	57.2	524807.46	57.2	524807.46	2818382.93
22:04:00	22:04:00	57.1	81.7	66.8	47.5	3:47 PM	512861.38	57.1	512861.38	57.1	512861.38	4786300.92
22:05:00	22:05:00	50.3	67.3	54.8	48.8	3:48 PM	107151.93	50.3	107151.93	50.3	107151.93	3019951.72
22:06:00	22:06:00	54.2	86.4	64.3	47.6	3:49 PM	263026.80	54.2	263026.80	54.2	263026.80	2691534.80
22:07:00	22:07:00	50	70.9	55	47.5	3:50 PM	100000.00	50	100000.00	50.0	100000.00	316227.77
22:08:00	22:08:00	61.3	84.8	67.9	48.2	3:51 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	6165950.02
22:09:00	22:09:00	55.5	79.4	64.5	47	3:52 PM	354813.39	55.5	354813.39	55.5	354813.39	2818382.93
22:10:00	22:10:00	54.8	81.7	64.6	46.9	3:53 PM	301995.17	54.8	301995.17	54.8	301995.17	2884031.50
22:11:00	22:11:00	56.9	79.5	65.4	46.9	3:54 PM	489778.82	56.9	489778.82	56.9	489778.82	3467368.50
22:12:00	22:12:00	58.5	83.6	65.5	49.8	3:55 PM	707945.78	58.5	707945.78	58.5	707945.78	3548133.89
22:13:00	22:13:00	49	74.5	52.5	46.4	3:56 PM	79432.82	49	79432.82	49.0	79432.82	177827.94
22:14:00	22:14:00	57.1	84.9	67	48	3:57 PM	512861.38	57.1	512861.38	57.1	512861.38	5011872.34
22:15:00	22:15:00	59.9	83.9	66.6	48.5	3:58 PM	977237.22	59.9	977237.22	59.9	977237.22	4570881.90
22:16:00	22:16:00	57	85.3	64.4	46.5	3:59 PM	501187.23	57	501187.23	57.0	501	

22:41:00	22:41:00	58.4	82.9	65.9	45.5	4:24 PM	691830.97	58.4	691830.97	58.4	691830.97	3890451.45
22:42:00	22:42:00	59.3	82.7	65.5	46.5	4:25 PM	851138.04	59.3	851138.04	59.3	851138.04	3548133.89
22:43:00	22:43:00	56.3	80.7	64.3	45.7	4:26 PM	426579.52	56.3	426579.52	56.3	426579.52	2691534.80
22:44:00	22:44:00	56.4	82.3	60.4	46.7	4:27 PM	436515.83	56.4	436515.83	56.4	436515.83	1096478.20
22:45:00	22:45:00	55.3	79.8	62.4	46.5	4:28 PM	338844.16	55.3	338844.16	55.3	338844.16	1737800.83
22:46:00	22:46:00	57.6	80.7	65.5	46.8	4:29 PM	575439.94	57.6	575439.94	57.6	575439.94	3548133.89
22:47:00	22:47:00	57.7	79.2	62.2	47.5	4:30 PM	588843.66	57.7	588843.66	57.7	588843.66	1659586.91
22:48:00	22:48:00	53.1	76.4	60.6	47.7	4:31 PM	204173.79	53.1	204173.79	53.1	204173.79	1148153.62
22:49:00	22:49:00	58.4	81.8	63	49	4:32 PM	691830.97	58.4	691830.97	58.4	691830.97	1995262.31
22:50:00	22:50:00	56.5	81	63.4	47	4:33 PM	446683.59	56.5	446683.59	56.5	446683.59	2187761.62
22:51:00	22:51:00	56.7	88.2	63.4	49.6	4:34 PM	467735.14	56.7	467735.14	56.7	467735.14	2187761.62
22:52:00	22:52:00	77.2	106.7	90.3	48.8	4:35 PM	52480746.02	77.2	#####	77.2	52480746.02	1071519305.24
22:53:00	22:53:00	54.5	82.3	65	47.3	4:36 PM	281838.29	54.5	281838.29	54.5	281838.29	3162277.66
22:54:00	22:54:00	55.2	80.3	64	46.6	4:37 PM	331131.12	55.2	331131.12	55.2	331131.12	2511886.43
22:55:00	22:55:00	52	74	58.3	47.9	4:38 PM	158489.32	52	158489.32	52.0	158489.32	676082.98
22:56:00	22:56:00	56.9	82.4	65.4	47.7	4:39 PM	489778.82	56.9	489778.82	56.9	489778.82	3467368.50
22:57:00	22:57:00	57.3	81.5	64.8	48.1	4:40 PM	537031.80	57.3	537031.80	57.3	537031.80	3019951.72
22:58:00	22:58:00	60.6	86.1	69.6	49	4:41 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	9120108.39
22:59:00	22:59:00	54.9	79	61.3	46.6	4:42 PM	309029.54	54.9	309029.54	54.9	309029.54	1348962.88
23:00:00	23:00:00	53.7	82	63.1	46	4:43 PM	234422.88	53.7	234422.88	53.7	234422.88	2041737.94
23:01:00	23:01:00	59.2	82.6	65.6	48.1	4:44 PM	831763.77	59.2	831763.77	59.2	831763.77	3630780.55
23:02:00	23:02:00	47.6	65.4	51.5	45.5	4:45 PM	57543.99	47.6	57543.99	47.6	57543.99	141253.75
23:03:00	23:03:00	59.7	81.3	66.4	47.6	4:46 PM	933254.30	59.7	933254.30	59.7	933254.30	4365158.32
23:04:00	23:04:00	57.4	81.9	63.3	46.7	4:47 PM	549540.87	57.4	549540.87	57.4	549540.87	2137962.09
23:05:00	23:05:00	56.4	84.3	63.7	47.6	4:48 PM	436515.83	56.4	436515.83	56.4	436515.83	2344228.82
23:06:00	23:06:00	55.3	81.3	61.9	46.7	4:49 PM	338844.16	55.3	338844.16	55.3	338844.16	1548816.62
23:07:00	23:07:00	58.7	82.4	64.6	46.2	4:50 PM	741310.24	58.7	741310.24	58.7	741310.24	2884031.50
23:08:00	23:08:00	55.4	80.8	65.1	46.4	4:51 PM	346736.85	55.4	346736.85	55.4	346736.85	3235936.57
23:09:00	23:09:00	55.4	82.6	64.7	47.2	4:52 PM	346736.85	55.4	346736.85	55.4	346736.85	2951209.23
23:10:00	23:10:00	58.1	85.1	67.6	46.4	4:53 PM	645654.23	58.1	645654.23	58.1	645654.23	5754399.37
23:11:00	23:11:00	60.8	82.1	66.8	51.5	4:54 PM	1202264.43	60.8	1202264.43	60.8	1202264.43	4786300.92
23:12:00	23:12:00	55.9	80.5	62	47.8	4:55 PM	389045.14	55.9	389045.14	55.9	389045.14	1584893.19
23:13:00	23:13:00	58.1	80.3	65.6	48.1	4:56 PM	645654.23	58.1	645654.23	58.1	645654.23	3630780.55
23:14:00	23:14:00	54.8	73.3	61.8	50.5	4:57 PM	301995.17	54.8	301995.17	54.8	301995.17	1513561.25
23:15:00	23:15:00	58.4	80.1	64.4	49.1	4:58 PM	691830.97	58.4	691830.97	58.4	691830.97	2754228.70
23:16:00	23:16:00	55.4	80	62.9	48	4:59 PM	346736.85	55.4	346736.85	55.4	346736.85	1949844.60
23:17:00	23:17:00	57.2	82	65.2	49.1	5:00 PM	524807.46	57.2	524807.46	57.2	524807.46	3311311.21
23:18:00	23:18:00	58.7	84.6	64.5	49.4	5:01 PM	741310.24	58.7	741310.24	58.7	741310.24	2818382.93
23:19:00	23:19:00	53.5	76.5	59.5	47.6	5:02 PM	223872.11	53.5	223872.11	53.5	223872.11	891250.94
23:20:00	23:20:00	55	81.3	65.9	47.4	5:03 PM	316227.77	55	316227.77	55.0	316227.77	3890451.45
23:21:00	23:21:00	57.3	84.5	64.5	47.6	5:04 PM	537031.80	57.3	537031.80	57.3	537031.80	2818382.93
23:22:00	23:22:00	57	83.6	66.7	47.6	5:05 PM	501187.23	57	501187.23	57.0	501187.23	4677351.41
23:23:00	23:23:00	54.8	81	63.9	48	5:06 PM	301995.17	54.8	301995.17	54.8	301995.17	2454708.92
23:24:00	23:24:00	57.1	78.5	62.2	47.5	5:07 PM	512861.38	57.1	512861.38	57.1	512861.38	1659586.91
23:25:00	23:25:00	64.6	85.9	74.4	49	5:08 PM	2884031.50	64.6	2884031.50	64.6	2884031.50	27542287.03
23:26:00	23:26:00	54.8	81.6	64.5	46.4	5:09 PM	301995.17	54.8	301995.17	54.8	301995.17	2818382.93
23:27:00	23:27:00	56.1	85.7	65.9	46.8	5:10 PM	407380.28	56.1	407380.28	56.1	407380.28	3890451.45
23:28:00	23:28:00	57.2	83.1	64.7	48.5	5:11 PM	524807.46	57.2	524807.46	57.2	524807.46	2951209.23
23:29:00	23:29:00	59.3	82.8	63.9	52.2	5:12 PM	851138.04	59.3	851138.04	59.3	851138.04	2454708.92
23:30:00	23:30:00	54.2	77.4	62	49.3	5:13 PM	263026.80	54.2	263026.80	54.2	263026.80	1584893.19
23:31:00	23:31:00	54.9	81.9	63.4	48.3	5:14 PM	309029.54	54.9	309029.54	54.9	309029.54	2187761.62
23:32:00	23:32:00	53.7	78.6	62.1	47.2	5:15 PM	234422.88	53.7	234422.88	53.7	234422.88	1621810.10
23:33:00	23:33:00	53.7	76.6	60.9	48.6	5:16 PM	234422.88	53.7	234422.88	53.7	234422.88	1230268.77
23:34:00	23:34:00	57.5	86.6	63.5	48.6	5:17 PM	562341.33	57.5	562341.33	57.5	562341.33	2238721.14
23:35:00	23:35:00	55.5	84	62.9	47	5:18 PM	354813.39	55.5	354813.39	55.5	354813.39	1949844.60
23:36:00	23:36:00	51.9	70.7	57.4	47.6	5:19 PM	154881.66	51.9	154881.66	51.9	154881.66	549540.87
23:37:00	23:37:00	59	81.4	67.4	48.5	5:20 PM	794328.23	59	794328.23	59.0	794328.23	5495408.74
23:38:00	23:38:00	49.3	66	54.8	47.6	5:21 PM	85113.80	49.3	85113.80	49.3	85113.80	301995.17
23:39:00	23:39:00	55.6	78.6	62.4	48.3	5:22 PM	363078.05	55.6	363078.05	55.6	363078.05	1737800.83
23:40:00	23:40:00	49.4	79.7	62.5	46.9	5:23 PM	87096.36	49.4	87096.36	49.4	87096.36	1778279.41
23:41:00	23:41:00	60.5	82.8	66.4	50	5:24 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	4365158.32
23:42:00	23:42:00	58.4	81.1	66.2	49.3	5:25 PM	691830.97	58.4	691830.97	58.4	691830.97	4168693.83
23:43:00	23:43:00	53.5	78.1	62.1	46.5	5:26 PM	223872.11	53.5	223872.11	53.5	223872.11	1621810.10
23:44:00	23:44:00	59.7	83.7	67.9	47.7	5:27 PM	933254.30	59.7	933254.30	59.7	933254.30	6165950.02
23:45:00	23:45:00	55.1	80.6	65.2	47.8	5:28 PM	323593.66	55.1	323593.66	55.1	323593.66	3311311.21
23:46:00	23:46:00	59.4	90.6	69.6	49.3	5:29 PM	870963.59	59.4	870963.59	59.4	870963.59	9120108.39
23:47:00	23:47:00	56.9	82.9	65.9	46.8	5:30 PM	489778.82	56.9	489778.82	56.9	489778.82	3890451.45
23:48:00	23:48:00	52.5	83.1	63.9	46.6	5:31 PM	177827.94	52.5	177827.94	52.5	177827.94	2454708.92
23:49:00	23:49:00	58.4	90.5	66.5	47.3	5:32 PM	691830.97	58.4	691830.97	58.4	691830.97	4466835.92
23:50:00	23:50:00	56.4	80.2	64	49.5	5:33 PM	436515.83	56.4	436515.83	56.4	436515.83	2511886.43
23:51:00	23:51:00	57.4	88.2	67.6	47.8	5:34 PM	549540.87	57.4	549540.87	57.4	549540.87	5754399.37
23:52:00	23:52:00	56.1	81.5	63.6	47.5	5:35 PM	407380.28	56.1	407380.28	56.1	407380.28	2290867.65
23:53:00	23:53:00	53	74.3	57.6	48.8	5:36 PM	199526.23	53	199526.23	53.0	199526.23	575439.94
23:54:00	23:54:00	58.3	85.6	67.3	47.9	5:37 PM	676082.98	58.3	676082.98	58.3	676082.98	5370317.96
23:55:00	23:55:00	57.8	84.5	66.6	48.3	5:38 PM	602559.59	57.8	602559.59	57.8	602559.59	4570881.90
23:56:00	23:56:00	56.2	81.1	64.7	47.3	5:39 PM	416869.38	56.2	416869.38	56.2	416869.38	2951209.23
23:57:00	23:57:00	58.7	83	65.9	50.9	5:40 PM	741310.24	58.7	741310.24	58.7	741310.24	3890451.45
23:58:00	23:58:00	58.4	86.3	65.4	48.3	5:41 PM	691830.97	58.4	691830.97	58.4	691830.97	3467368.50
23:59:00	23:59:00	61.3	86.9	66.9	52.4	5:42 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	4897788.19
24:00:00	24:00:00	51.6	77.2	58.6	47.2	5:43 PM	144543.98	51.6	144543.98	51.6	144543.98	724453.96

## Summary

Serial Number BGI040008  
 Start Time 15:39:41 26-Apr-2022  
 Run Length 24:00:00 5529600

UNIT REV R12N

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	113.9	
Date		15:36:56 26-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	24	24
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	58.2	58.2
Lmax	dB	93.5	93.5
Lmin	dB	44.1	44.1
Lpk	dB	109.7	109.6
TWA	dB	63	63
PTWA	dB	63	63
DOSE	%	2	1.99
PDOSE	%	2	1.99
SEL	dB	107.6	107.6
EXP	p2s	23	23

Measurement	Units	Value
LDN	dB	61.7
CNEL	dB	61
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	66.8
L08	dB	61.1
L25	dB	56.2
L50	dB	52.4

**CUP Site #6 - Measurement #1**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	93.5	66.8	65	64	63.3	62.7	62.1	61.6	61.1	60.7
10	60.3	59.9	59.5	59.2	58.9	58.6	58.3	58	57.7	57.5
20	57.2	57	56.8	56.6	56.4	56.2	56	55.9	55.8	55.6
30	55.5	55.3	55.1	55	54.8	54.7	54.5	54.4	54.2	54
40	53.9	53.7	53.6	53.4	53.3	53.1	53	52.8	52.7	52.6
50	52.4	52.3	52.1	51.9	51.8	51.6	51.4	51.2	51.1	50.9
60	50.7	50.6	50.4	50.3	50.1	50	49.8	49.7	49.5	49.3
70	49.2	49	48.9	48.7	48.5	48.3	48.1	47.8	47.6	47.3
80	47.1	47	46.8	46.7	46.6	46.4	46.3	46.3	46.2	46.1
90	46	45.9	45.8	45.7	45.7	45.6	45.5	45.4	45.3	45.1

Raw Stat Table

dB	Count
44.1	44
44.2	147
44.3	316
44.4	596
44.5	1395
44.6	1906
44.7	2818
44.8	4374
44.9	6760
45	10343
45.1	15146
45.2	24627
45.3	33867
45.4	43253
45.5	50042
45.6	58132
45.7	67257
45.8	68145
45.9	69511
46	69226
46.1	66583
46.2	62711
46.3	60397
46.4	59683
46.5	55454
46.6	50704
46.7	47165
46.8	42566
46.9	39597
47	36682
47.1	36551

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
44		0	0	0	0.01	0.02	0.03	0.05	0.07	0.12
45	0.18	0.27	0.44	0.61	0.78	0.9	1.05	1.21	1.23	1.25
46	1.25	1.2	1.13	1.09	1.07	1	0.91	0.85	0.76	0.71
47	0.66	0.66	0.39	0.52	0.5	0.46	0.41	0.4	0.39	0.4
48	0.4	0.42	0.44	0.46	0.48	0.49	0.49	0.53	0.54	0.55
49	0.56	0.57	0.6	0.62	0.65	0.64	0.63	0.65	0.65	0.67
50	0.68	0.73	0.47	0.65	0.65	0.64	0.63	0.62	0.6	0.6
51	0.6	0.6	0.59	0.58	0.61	0.58	0.57	0.58	0.59	0.59
52	0.6	0.6	0.6	0.61	0.63	0.67	0.69	0.69	0.69	0.71
53	0.73	0.77	0.52	0.68	0.66	0.65	0.66	0.65	0.65	0.63
54	0.65	0.64	0.65	0.64	0.64	0.64	0.64	0.64	0.63	0.61
55	0.62	0.61	0.63	0.63	0.65	0.64	0.65	0.66	0.67	0.66
56	0.69	0.69	0.47	0.59	0.56	0.56	0.54	0.52	0.49	0.48
57	0.47	0.46	0.44	0.44	0.42	0.4	0.38	0.39	0.39	0.37
58	0.37	0.35	0.35	0.35	0.35	0.35	0.34	0.33	0.33	0.33
59	0.34	0.34	0.26	0.28	0.28	0.29	0.27	0.26	0.26	0.26
60	0.26	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.23	0.23

**CUP Site #6 - Measurement #1**

Summary

61	0.23	0.22	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.21	47.2	22003
62	0.21	0.22	0.18	0.11	0.19	0.18	0.17	0.17	0.16	0.16	47.3	28787
63	0.16	0.15	0.15	0.15	0.14	0.14	0.13	0.12	0.12	0.13	47.4	27679
64	0.12	0.11	0.11	0.11	0.1	0.1	0.09	0.09	0.09	0.09	47.5	25815
65	0.08	0.08	0.08	0.05	0.07	0.07	0.06	0.06	0.06	0.05	47.6	22681
66	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	47.7	22176
67	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	47.8	22015
68	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	47.9	22647
69	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0	48	22310
70	0	0	0	0	0	0	0	0	0	0	48.1	23434
71	0	0	0	0	0	0	0	0	0	0	48.2	24424
72	0	0	0	0	0	0	0	0	0	0	48.3	25793
73	0	0	0	0	0	0	0	0	0	0	48.4	26875
74	0	0	0	0	0	0	0	0	0	0	48.5	27308
75	0	0	0	0	0	0	0	0	0	0	48.6	27238
76	0	0	0	0	0	0	0	0	0	0	48.7	29739
77	0	0	0	0	0	0	0	0	0	0	48.8	29926
78	0	0	0	0	0	0	0	0	0	0	48.9	30768
79	0	0	0	0	0	0	0	0	0	0	49	31466
80	0	0	0	0	0	0	0	0	0	0	49.1	31719
81	0	0	0	0	0	0	0	0	0	0	49.2	33231
82	0	0	0	0	0	0	0	0	0	0	49.3	34707
83	0	0	0	0	0	0	0	0	0	0	49.4	36314
84	0	0	0	0	0	0	0	0	0	0	49.5	35729
85	0	0	0	0	0	0	0	0	0	0	49.6	35079
86	0	0	0	0	0	0	0	0	0	0	49.7	36417
87	0	0	0	0	0	0	0	0	0	0	49.8	36366
88	0	0	0	0	0	0	0	0	0	0	49.9	37135
89	0	0	0	0	0	0	0	0	0	0	50	38001
90	0	0	0	0	0	0	0	0	0	0	50.1	40910
91	0	0	0	0	0	0	0	0	0	0	50.2	26394
92	0	0	0	0	0	0	0	0	0	0	50.3	36115
93	0	0	0	0	0	0					50.4	36380
											50.5	35419
											50.6	35233
											50.7	34797
											50.8	33333
											50.9	33325
											51	33339
											51.1	33727
											51.2	32880
											51.3	32615
											51.4	33861

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		60.7	82.9	66.9	55.2
	0:02:00	0:02:00		60.1	78.8	66.1	54.6
	0:03:00	0:03:00		60.3	83.6	68.7	54.7
	0:04:00	0:04:00		61.8	78.4	66.2	55.6
	0:05:00	0:05:00		58.5	77.1	64.5	55.2
	0:06:00	0:06:00		59.8	86.2	64.2	53.9
	0:07:00	0:07:00		57.7	76.7	63.6	52.3
	0:08:00	0:08:00		58.3	78.1	64.5	48.2
	0:09:00	0:09:00		58	82.2	65.2	49.9
	0:10:00	0:10:00		58.3	80	64.4	50.6
	0:11:00	0:11:00		60.5	85.9	68.9	51.3
	0:12:00	0:12:00		59.4	82.6	65.7	52.5
	0:13:00	0:13:00		60.4	80.3	67	50.4
	0:14:00	0:14:00		57.7	77.6	64.3	49.9
	0:15:00	0:15:00		61.3	80.8	66.8	53.1
	0:16:00	0:16:00		57	81.3	68	47.5
	0:17:00	0:17:00		61	80.8	68	53.1
	0:18:00	0:18:00		56.5	75	62	51.1
	0:19:00	0:19:00		57.6	75.9	62	50.9
	0:20:00	0:20:00		58.5	83.1	69.7	49.3
	0:21:00	0:21:00		58.5	79.2	66.1	50.8
	0:22:00	0:22:00		59.4	80.3	68.2	52.1
	0:23:00	0:23:00		57.4	79	65.8	50.1
	0:24:00	0:24:00		59	77	64.2	48.9
	0:25:00	0:25:00		59.9	78.5	66	52.7
	0:26:00	0:26:00		65.8	91.2	76.8	51.6
	0:27:00	0:27:00		60.3	87.6	67.8	50.3
	0:28:00	0:28:00		56.4	73.1	60.4	52.3
	0:29:00	0:29:00		59.4	79.1	62.6	55.1
	0:30:00	0:30:00		59.8	82.8	67.7	49
	0:31:00	0:31:00		54	73.7	60.1	48.7
	0:32:00	0:32:00		59.8	79.6	65.8	51.8
	0:33:00	0:33:00		58.9	78.4	64.4	47.6
	0:34:00	0:34:00		59.3	77.5	64.8	50
	0:35:00	0:35:00		60	81.4	70.9	49.8
	0:36:00	0:36:00		61.6	86.1	72.7	48.5
	0:37:00	0:37:00		58.5	88.1	71.1	50.6
	0:38:00	0:38:00		59.3	88.7	69.9	51.1
	0:39:00	0:39:00		63.6	90.2	77.4	49.8
	0:40:00	0:40:00		61.8	80.6	67.6	50.8
	0:41:00	0:41:00		59.2	89.6	69.6	47.3
	0:42:00	0:42:00		57	75.4	63.7	50.4
	0:43:00	0:43:00		54.8	73.5	60.9	47
	0:44:00	0:44:00		57.9	81.8	64.2	49.5
	0:45:00	0:45:00		56.2	74.8	62	51.3
	0:46:00	0:46:00		51.1	71.7	58.4	47.3
	0:47:00	0:47:00		64.4	86.5	75.9	51.8
	0:48:00	0:48:00		72.2	99.6	86.1	51.6
	0:49:00	0:49:00		58.3	79.9	67.4	47.8
	0:50:00	0:50:00		59.2	78.4	65.1	54.2
	0:51:00	0:51:00		56.3	75.2	62.1	49.8
	0:52:00	0:52:00		58.4	79.4	63.1	51.9
	0:53:00	0:53:00		58.5	83.4	68.7	49.5
	0:54:00	0:54:00		63.6	92.1	77.5	50.3
	0:55:00	0:55:00		75.4	108.2	92.3	48.4
	0:56:00	0:56:00		77.8	109.7	93.5	53.6
	0:57:00	0:57:00		58.1	80	65.4	49.4
	0:58:00	0:58:00		59.6	80.4	66.7	54.7
	0:59:00	0:59:00		61.7	90	72.9	50.1
	1:00:00	1:00:00		55.9	77.3	64.7	49
	1:01:00	1:01:00		55.7	75.2	62.2	48.2
	1:02:00	1:02:00		57.3	79	65.3	48.8
	1:03:00	1:03:00		59.8	88.9	70.5	49.9
	1:04:00	1:04:00		65.3	93.7	77.3	47.9
	1:05:00	1:05:00		59.7	82.1	69.2	47.9
	1:06:00	1:06:00		56.4	77.3	62.9	47.7
	1:07:00	1:07:00		57.8	78.5	65.1	47.3
	1:08:00	1:08:00		63.8	84.1	73	51.4
	1:09:00	1:09:00		56.6	76	61.6	49.1
	1:10:00	1:10:00		57.1	76.8	63.8	50.5
	1:11:00	1:11:00		58.6	80.3	67.3	50.6
	1:12:00	1:12:00		59.7	81.1	68.6	48.8
	1:13:00	1:13:00		56.1	76.7	63.6	47.5
	1:14:00	1:14:00		56	73.5	61.6	50.7
	1:15:00	1:15:00		58.7	78.7	64.5	49.3
	1:16:00	1:16:00		58.1	78.2	63.8	49.6
	1:17:00	1:17:00		58.8	77.2	64.9	51.4
	1:18:00	1:18:00		59.3	81.8	69.3	50.7
	1:19:00	1:19:00		55.2	75.4	62.7	48.6
	1:20:00	1:20:00		56.3	75.2	61.8	46.7
	1:21:00	1:21:00		57.4	80.1	67.3	47.8
	1:22:00	1:22:00		52.9	69.8	56.8	46.7
	1:23:00	1:23:00		57.5	78.8	66.5	49.4
	1:24:00	1:24:00		57.2	74.7	61.3	50.6
	1:25:00	1:25:00		59.1	82.6	69.2	49.2
	1:26:00	1:26:00		56.9	80.6	66.9	46.8
	1:27:00	1:27:00		58.1	83.3	70.3	47.1
	1:28:00	1:28:00		60.8	78.2	65.2	50.1
	1:29:00	1:29:00		58.7	76.9	64.2	49.7
	1:30:00	1:30:00		61.9	87.1	72.8	50
	1:31:00	1:31:00		54.1	71.9	59	47.8
	1:32:00	1:32:00		55.5	76.8	64.2	47
	1:33:00	1:33:00		57.2	77.3	64	46.4
	1:34:00	1:34:00		57.5	82.5	65.1	49.8
	1:35:00	1:35:00		58.4	79.8	66.3	47.3
	1:36:00	1:36:00		59.8	79.8	65.8	48.9
	1:37:00	1:37:00		57.7	78.5	65.7	49.2
	1:38:00	1:38:00		58.1	78.5	66.5	50.5
	1:39:00	1:39:00		57.9	78.8	65.9	49.3
	1:40:00	1:40:00		59.6	86.4	64.2	49.1

	Daytime	Nighttime
L <sub>eq</sub>	59.8	52.5
L <sub>max</sub>	93.5	83.0
CNEL	61.7	
L <sub>dn</sub>	61.0	
L <sub>50</sub>	59.4	54.7
L <sub>25</sub>	60.5	56.6
L <sub>10</sub>	65.8	58.2
L <sub>1.7</sub>	77.8	67.6
L <sub>max</sub>	93.5	83.0

	L <sub>eq</sub>	L <sub>max</sub>
7:30 a.m. - 9:30 p.m.	60.0	93.5
9:30 p.m. - 7:30 a.m.	53.2	83.0

Time	L <sub>eq</sub> 10 <sup>(N/10)</sup>	CNEL	CNEL 10 <sup>(N/10)</sup>	L <sub>dn</sub>	L <sub>dn</sub> 10 <sup>(N/10)</sup>	L <sub>max</sub> 10 <sup>(N/10)</sup>
3:39 PM						
3:40 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	4897788.19
3:41 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	4073802.78
3:42 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	7413102.41
3:43 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	4168693.83
3:44 PM	707945.78	58.5	707945.78	58.5	707945.78	2818382.93
3:45 PM	954992.59	59.8	954992.59	59.8	954992.59	2630267.99
3:46 PM	588843.66	57.7	588843.66	57.7	588843.66	2290867.65
3:47 PM	676082.98	58.3	676082.98	58.3	676082.98	2818382.93
3:48 PM	630957.34	58	630957.34	58.0	630957.34	3311311.21
3:49 PM	676082.98	58.3	676082.98	58.3	676082.98	2754228.70
3:50 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	7762471.17
3:51 PM	870963.59	59.4	870963.59	59.4	870963.59	3715352.29
3:52 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	5011872.34
3:53 PM	588843.66	57.7	588843.66	57.7	588843.66	2691534.80
3:54 PM	1348962.88	61.3	1348962.88	61.3	1348962.88	4786300.92
3:55 PM	501187.23	57	501187.23	57.0	501187.23	6309573.44
3:56 PM	1258925.41	61	1258925.41	61.0	1258925.41	6309573.44
3:57 PM	446683.59	56.5	446683.59	56.5	446683.59	1584893.19
3:58 PM	575439.94	57.6	575439.94	57.6	575439.94	1584893.19
3:59 PM	707945.78	58.5	707945.78	58.5	707945.78	9332543.01
4:00 PM	707945.78	58.5	707945.78	58.5	707945.78	4073802.78
4:01 PM	870963.59	59.4	870963.59	59.4	870963.59	6606934.48
4:02 PM	549540.87	57.4	549540.87	57.4	549540.87	3801893.96
4:03 PM	794328.23	59	794328.23	59.0	794328.23	2630267.99
4:04 PM	977237.22	59.9	977237.22	59.9	977237.22	3981071.71
4:05 PM	3801893.96	65.8	3801893.96	65.8	3801893.96	4786300.92
4:06 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	6025595.86
4:07 PM	436515.83	56.4	436515.83	56.4	436515.83	1096478.20
4:08 PM	870963.59	59.4	870963.59	59.4	870963.59	1819700.86
4:09 PM	954992.59	59.8	954992.59	59.8	954992.59	5888436.55
4:10 PM	251188.64	54	251188.64	54.0	251188.64	1023292.99
4:11 PM	954992.59	59.8	954992.59	59.8	954992.59	3801893.96
4:12 PM	776247.12	58.9	776247.12	58.9	776247.12	2754228.70
4:13 PM	851138.04	59.3	851138.04	59.3	851138.04	3019951.72
4:14 PM	1000000.00	60	1000000.00	60.0	1000000.00	12302687.71
4:15 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	18620871.37
4:16 PM	707945.78	58.5	707945.78	58.5	707945.78	12882495.52
4:17 PM	851138.04	59.3	851138.04	59.3	851138.04	9772372.21
4:18 PM	2290867.65	63.6	2290867.65	63.6	2290867.65	54954087.39
4:19 PM	1513561.25	61.8	1513561.25	61.8	1513561.25	5754399.37
4:20 PM	831763.77	59.2	831763.77	59.2	831763.77	9120108.39
4:21 PM	501187.23	57	501187.23	57.0	501187.23	2344228.82
4:22 PM	301995.17	54.8	301995.17	54.8	301995.17	1230268.77
4:23 PM	616595.00	57.9	616595.00	57.9	616595.00	2630267.99
4:24 PM	416869.38	56.2	41686			

1:41:00	1:41:00	57.1	78.9	66.2	47.3	5:20 PM	512861.38	57.1	512861.38	57.1	512861.38	4168693.83
1:42:00	1:42:00	58.9	80.1	66	47.2	5:21 PM	776247.12	58.9	776247.12	58.9	776247.12	3981071.71
1:43:00	1:43:00	59.4	79	67.3	48.9	5:22 PM	870963.59	59.4	870963.59	59.4	870963.59	5370317.96
1:44:00	1:44:00	58.3	77.7	65.3	48.9	5:23 PM	676082.98	58.3	676082.98	58.3	676082.98	3388441.56
1:45:00	1:45:00	60.5	80.4	66	49	5:24 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	3981071.71
1:46:00	1:46:00	57.4	79.9	65.1	50.2	5:25 PM	549540.87	57.4	549540.87	57.4	549540.87	3235936.57
1:47:00	1:47:00	56.7	77.5	64.5	46.3	5:26 PM	467735.14	56.7	467735.14	56.7	467735.14	2818382.93
1:48:00	1:48:00	55.3	73.4	59.6	47.1	5:27 PM	338844.16	55.3	338844.16	55.3	338844.16	912010.84
1:49:00	1:49:00	62.4	87.2	73.4	47.8	5:28 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	21877616.24
1:50:00	1:50:00	58.4	80.6	66.3	48.8	5:29 PM	691830.97	58.4	691830.97	58.4	691830.97	4265795.19
1:51:00	1:51:00	59.1	79.9	65.8	47.4	5:30 PM	812830.52	59.1	812830.52	59.1	812830.52	3801893.96
1:52:00	1:52:00	58.7	82.5	68.2	46.5	5:31 PM	741310.24	58.7	741310.24	58.7	741310.24	6606934.48
1:53:00	1:53:00	56	76.2	63.8	47	5:32 PM	398107.17	56	398107.17	56.0	398107.17	2398832.92
1:54:00	1:54:00	55.7	78.3	64.4	48.1	5:33 PM	371535.23	55.7	371535.23	55.7	371535.23	2754228.70
1:55:00	1:55:00	53	72.6	58.1	47.2	5:34 PM	199526.23	53	199526.23	53.0	199526.23	645654.23
1:56:00	1:56:00	56	79.3	66.8	48	5:35 PM	398107.17	56	398107.17	56.0	398107.17	4786300.92
1:57:00	1:57:00	59.1	80.3	67.7	48.1	5:36 PM	812830.52	59.1	812830.52	59.1	812830.52	5888436.55
1:58:00	1:58:00	61	81.4	67.5	52.4	5:37 PM	1258925.41	61	1258925.41	61.0	1258925.41	5623413.25
1:59:00	1:59:00	58.9	79.4	65.8	49.1	5:38 PM	776247.12	58.9	776247.12	58.9	776247.12	3801893.96
2:00:00	2:00:00	54.5	74.4	61.7	48	5:39 PM	281838.29	54.5	281838.29	54.5	281838.29	1479109.39
2:01:00	2:01:00	58.2	81.8	67.8	48.4	5:40 PM	660693.45	58.2	660693.45	58.2	660693.45	6025595.86
2:02:00	2:02:00	56.5	77.5	65.4	48.5	5:41 PM	446683.59	56.5	446683.59	56.5	446683.59	3467368.50
2:03:00	2:03:00	57.8	77.1	64	51.1	5:42 PM	602559.59	57.8	602559.59	57.8	602559.59	2511886.43
2:04:00	2:04:00	59	79.5	67.1	47.4	5:43 PM	794328.23	59	794328.23	59.0	794328.23	5128613.84
2:05:00	2:05:00	56.9	77.5	64.9	48.2	5:44 PM	489778.82	56.9	489778.82	56.9	489778.82	3090295.43
2:06:00	2:06:00	65.7	94.7	78.6	47.8	5:45 PM	371535.29	65.7	371535.29	65.7	371535.29	72443596.01
2:07:00	2:07:00	60.9	80.7	67.4	54.4	5:46 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	5495408.74
2:08:00	2:08:00	61.7	86.1	71.2	51.9	5:47 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	13182567.39
2:09:00	2:09:00	62.4	87.1	72.7	51.6	5:48 PM	1737800.83	62.4	1737800.83	62.4	1737800.83	18620871.37
2:10:00	2:10:00	56.9	76.2	63.6	51	5:49 PM	489778.82	56.9	489778.82	56.9	489778.82	2290867.65
2:11:00	2:11:00	57	78.4	65.3	50	5:50 PM	501187.23	57	501187.23	57.0	501187.23	3388441.56
2:12:00	2:12:00	57.3	76.3	63.5	46.9	5:51 PM	537031.80	57.3	537031.80	57.3	537031.80	2238721.14
2:13:00	2:13:00	57.5	76.8	62.5	47.5	5:52 PM	562341.33	57.5	562341.33	57.5	562341.33	1778279.41
2:14:00	2:14:00	58.2	79.1	66	46.8	5:53 PM	660693.45	58.2	660693.45	58.2	660693.45	3981071.71
2:15:00	2:15:00	53.1	71	57.9	45.6	5:54 PM	204173.79	53.1	204173.79	53.1	204173.79	616595.00
2:16:00	2:16:00	57.6	76.8	64.3	47.7	5:55 PM	575439.94	57.6	575439.94	57.6	575439.94	2691534.80
2:17:00	2:17:00	56.3	80.1	66.4	47.2	5:56 PM	426579.52	56.3	426579.52	56.3	426579.52	4365158.32
2:18:00	2:18:00	55.9	75.5	63.1	46.6	5:57 PM	389045.14	55.9	389045.14	55.9	389045.14	2041737.94
2:19:00	2:19:00	54	74.9	63	47.5	5:58 PM	251188.64	54	251188.64	54.0	251188.64	1995262.31
2:20:00	2:20:00	59.4	79.3	66.3	49.1	5:59 PM	870963.59	59.4	870963.59	59.4	870963.59	4265795.19
2:21:00	2:21:00	53.2	72	58.4	48.3	6:00 PM	208929.61	53.2	208929.61	53.2	208929.61	691830.97
2:22:00	2:22:00	59.3	83.9	69.5	47	6:01 PM	851138.04	59.3	851138.04	59.3	851138.04	8912509.38
2:23:00	2:23:00	55.3	79.7	64.5	46.9	6:02 PM	338844.16	55.3	338844.16	55.3	338844.16	2818382.93
2:24:00	2:24:00	56	75	61.9	48.3	6:03 PM	398107.17	56	398107.17	56.0	398107.17	1548816.62
2:25:00	2:25:00	59	81.8	68.1	52.7	6:04 PM	794328.23	59	794328.23	59.0	794328.23	6456542.29
2:26:00	2:26:00	58.7	80	65.8	50	6:05 PM	741310.24	58.7	741310.24	58.7	741310.24	3801893.96
2:27:00	2:27:00	58.3	78.3	65.6	49.6	6:06 PM	676082.98	58.3	676082.98	58.3	676082.98	3630780.55
2:28:00	2:28:00	57.7	80	67	46.7	6:07 PM	588843.66	57.7	588843.66	57.7	588843.66	5011872.34
2:29:00	2:29:00	54.7	73.7	60.7	47.6	6:08 PM	295120.92	54.7	295120.92	54.7	295120.92	1174897.55
2:30:00	2:30:00	56.8	76.6	63.9	50	6:09 PM	478630.09	56.8	478630.09	56.8	478630.09	2454708.92
2:31:00	2:31:00	60	80	67.2	51.3	6:10 PM	1000000.00	60	1000000.00	60.0	1000000.00	5248074.60
2:32:00	2:32:00	57.4	76.1	63.2	48.5	6:11 PM	549540.87	57.4	549540.87	57.4	549540.87	2089296.13
2:33:00	2:33:00	54	75.6	58.5	47.6	6:12 PM	251188.64	54	251188.64	54.0	251188.64	707945.78
2:34:00	2:34:00	60.1	79.9	66.9	49.8	6:13 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	4897788.19
2:35:00	2:35:00	56.5	79	65.7	48.6	6:14 PM	446683.59	56.5	446683.59	56.5	446683.59	3715352.29
2:36:00	2:36:00	54.9	74.7	62.2	47.7	6:15 PM	309029.54	54.9	309029.54	54.9	309029.54	1659586.91
2:37:00	2:37:00	57.4	75.8	62.5	47.9	6:16 PM	549540.87	57.4	549540.87	57.4	549540.87	1778279.41
2:38:00	2:38:00	59.8	87.5	70	52.3	6:17 PM	954992.59	59.8	954992.59	59.8	954992.59	10000000.00
2:39:00	2:39:00	60.1	82.7	68.1	49.6	6:18 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	6456542.29
2:40:00	2:40:00	58	78.5	64.9	50	6:19 PM	630957.34	58	630957.34	58.0	630957.34	3090295.43
2:41:00	2:41:00	59.2	78.4	65.9	48	6:20 PM	831763.77	59.2	831763.77	59.2	831763.77	3890451.45
2:42:00	2:42:00	58.3	82.9	65.6	48.6	6:21 PM	676082.98	58.3	676082.98	58.3	676082.98	3630780.55
2:43:00	2:43:00	56.8	79.7	65.1	48.7	6:22 PM	478630.09	56.8	478630.09	56.8	478630.09	3235936.57
2:44:00	2:44:00	61.6	91.3	73.3	48.7	6:23 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	21379620.90
2:45:00	2:45:00	54.4	76.5	61.7	48.4	6:24 PM	275422.87	54.4	275422.87	54.4	275422.87	1479108.39
2:46:00	2:46:00	57.7	77.1	65.4	47.2	6:25 PM	588843.66	57.7	588843.66	57.7	588843.66	3467368.50
2:47:00	2:47:00	57.3	77.9	65.1	48.7	6:26 PM	537031.80	57.3	537031.80	57.3	537031.80	3235936.57
2:48:00	2:48:00	57.9	84.8	69.8	48.3	6:27 PM	616595.00	57.9	616595.00	57.9	616595.00	9549925.86
2:49:00	2:49:00	60.4	84	70.2	49.7	6:28 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	10471285.48
2:50:00	2:50:00	56.5	75.2	63.5	49.7	6:29 PM	446683.59	56.5	446683.59	56.5	446683.59	2238721.14
2:51:00	2:51:00	53.5	74.6	59.5	47	6:30 PM	223872.11	53.5	223872.11	53.5	223872.11	8912509.38
2:52:00	2:52:00	53.3	76.5	63.7	48.3	6:31 PM	213796.21	53.3	213796.21	53.3	213796.21	2344228.82
2:53:00	2:53:00	57.7	85.9	65.8	48.6	6:32 PM	741310.24	57.7	741310.24	57.7	741310.24	3801893.96
2:54:00	2:54:00	57.2	79.8	66.2	48.9	6:33 PM	524807.46	57.2	524807.46	57.2	524807.46	4168693.83
2:55:00	2:55:00	53.9	73	59.8	48.3	6:34 PM	245470.89	53.9	245470.89	53.9	245470.89	954992.59
2:56:00	2:56:00	55.8	72.9	60.7	48	6:35 PM	380189.40	55.8	380189.40	55.8	380189.40	1174897.55
2:57:00	2:57:00	57.3	76.5	62.7	48	6:36 PM	537031.80	57.3	537031.80	57.3	537031.80	1862087.14
2:58:00	2:58:00	52.3	71.8	57.5	47.2	6:37 PM	169824.37	52.3	169824.37	52.3	169824.37	562341.33
2:59:00	2:59:00	56.1	77.1	63.4	47.1	6:38 PM	407380.28	56.1	407380.28	56.1	407380.28	2187761.62
3:00:00	3:00:00	52.9	72.3	58.4	47.3	6:39 PM	194984.46	52.9	194984.46	52.9	194984.46	691830.97
3:01:00	3:01:00	55.2	75.9	62.6	46.9	6:40 PM	331131.12	55.2	331131.12	55.2	331131.12	1819700.86
3:02:00	3:02:00	56.3	75.8	62.6	51.1	6:41 PM	426579.52	56.3	426579.52	56.3	426579.52	1819700.86
3:0												

3:26:00	3:26:00	66.1	96.5	80.2	49.6	7:05 PM	4073802.78	71.1	12882495.52	66.1	4073802.78	104712854.81
3:27:00	3:27:00	53.4	75.9	61.1	46.1	7:06 PM	218776.16	58.4	691830.97	53.4	218776.16	1288249.55
3:28:00	3:28:00	58.3	78.6	64.8	48.1	7:07 PM	676082.98	63.3	2137962.09	58.3	676082.98	3019951.72
3:29:00	3:29:00	56.1	74.1	60.8	47.9	7:08 PM	407380.28	61.1	1288249.55	56.1	407380.28	1202264.43
3:30:00	3:30:00	62.3	97.4	71.2	48.2	7:09 PM	1698243.65	67.3	5370317.96	62.3	1698243.65	13182567.39
3:31:00	3:31:00	54.2	77.8	63.3	47.5	7:10 PM	263026.80	59.2	831763.77	54.2	263026.80	2137962.09
3:32:00	3:32:00	53.6	72.9	58.3	49	7:11 PM	229086.77	58.6	724435.96	53.6	229086.77	676082.98
3:33:00	3:33:00	58.2	80.5	67.4	50	7:12 PM	660693.45	63.2	2089296.13	58.2	660693.45	5495408.74
3:34:00	3:34:00	60.9	81.7	68.4	47.9	7:13 PM	1230268.77	65.9	3890451.45	60.9	1230268.77	6918309.71
3:35:00	3:35:00	66.2	92.8	77.2	49.8	7:14 PM	4168693.83	71.2	13182567.39	66.2	4168693.83	52480746.02
3:36:00	3:36:00	60.6	82.1	69.4	50.4	7:15 PM	1148153.62	65.6	3630780.55	60.6	1148153.62	8709635.90
3:37:00	3:37:00	65.8	89	73.4	47.2	7:16 PM	3801893.96	70.8	12022644.35	65.8	3801893.96	21877616.24
3:38:00	3:38:00	55.4	78.6	65	47.7	7:17 PM	346736.85	60.4	1096478.20	55.4	346736.85	3162277.66
3:39:00	3:39:00	58.2	83.7	71.7	47.7	7:18 PM	660693.45	63.2	2089296.13	58.2	660693.45	14791083.88
3:40:00	3:40:00	56.3	74.3	61.5	48.2	7:19 PM	426579.52	61.3	1348962.88	56.3	426579.52	1412537.54
3:41:00	3:41:00	59.4	78.3	65.9	50.8	7:20 PM	870963.59	64.4	2754228.70	59.4	870963.59	3890451.45
3:42:00	3:42:00	57.6	78.3	64.7	48.4	7:21 PM	575439.94	62.6	1819700.86	57.6	575439.94	2951209.23
3:43:00	3:43:00	54.8	75.4	61.6	48	7:22 PM	301995.17	59.8	954992.59	54.8	301995.17	1445439.77
3:44:00	3:44:00	63.8	90	76.2	48.7	7:23 PM	2398832.92	68.8	7585775.75	63.8	2398832.92	41686938.35
3:45:00	3:45:00	56.7	78.1	65	48.9	7:24 PM	467735.14	61.7	1479108.39	56.7	467735.14	3162277.66
3:46:00	3:46:00	57.4	76.7	63.4	49.3	7:25 PM	549540.87	62.4	1737800.83	57.4	549540.87	2187761.62
3:47:00	3:47:00	69.1	98.7	83	49.7	7:26 PM	8128305.16	74.1	25703957.83	69.1	8128305.16	199526231.50
3:48:00	3:48:00	55.5	75.3	60.5	50.3	7:27 PM	354813.39	60.5	1122018.45	55.5	354813.39	1122018.45
3:49:00	3:49:00	54.2	74.1	61.2	48.3	7:28 PM	263026.80	59.2	831763.77	54.2	263026.80	1318256.74
3:50:00	3:50:00	58.4	80.3	65.7	50.1	7:29 PM	691830.97	63.4	2187761.62	58.4	691830.97	3715352.29
3:51:00	3:51:00	60.5	81.1	66.7	50.6	7:30 PM	1122018.45	65.5	3548133.89	60.5	1122018.45	4677351.41
3:52:00	3:52:00	53.7	73.4	60.4	49.3	7:31 PM	234422.88	58.7	741310.24	53.7	234422.88	1096478.20
3:53:00	3:53:00	54.3	73.8	60	49.1	7:32 PM	269153.48	59.3	851138.04	54.3	269153.48	1000000.00
3:54:00	3:54:00	60.6	84	73.7	51.7	7:33 PM	1148153.62	65.6	3630780.55	60.6	1148153.62	23442288.15
3:55:00	3:55:00	57.9	76.5	63.9	49.1	7:34 PM	616595.00	62.9	1949844.60	57.9	616595.00	2454708.92
3:56:00	3:56:00	58.7	80.4	67.1	49.2	7:35 PM	741310.24	63.7	2344228.82	58.7	741310.24	5128613.84
3:57:00	3:57:00	55.5	76	63.5	47.4	7:36 PM	354813.39	60.5	1122018.45	55.5	354813.39	2238721.14
3:58:00	3:58:00	59.1	80.5	66.1	48.1	7:37 PM	812830.52	64.1	2570395.78	59.1	812830.52	4073802.78
3:59:00	3:59:00	69.1	95.6	81.9	48	7:38 PM	8128305.16	74.1	25703957.83	69.1	8128305.16	154881661.89
4:00:00	4:00:00	54.8	72.5	59.9	48.4	7:39 PM	301995.17	59.8	954992.59	54.8	301995.17	977237.22
4:01:00	4:01:00	54.8	73.5	60.2	48.5	7:40 PM	301995.17	59.8	954992.59	54.8	301995.17	1047128.55
4:02:00	4:02:00	58.7	80.2	64.6	48.7	7:41 PM	741310.24	63.7	2344228.82	58.7	741310.24	2884031.50
4:03:00	4:03:00	57.6	78.2	65.9	49.2	7:42 PM	575439.94	62.6	1819700.86	57.6	575439.94	3890451.45
4:04:00	4:04:00	56.2	78.8	66.1	49.1	7:43 PM	416869.38	61.2	1318256.74	56.2	416869.38	4073802.78
4:05:00	4:05:00	57.4	81.4	68	50.7	7:44 PM	549540.87	62.4	1737800.83	57.4	549540.87	6309573.44
4:06:00	4:06:00	57.3	83.9	68.1	49.9	7:45 PM	537031.80	62.3	1698243.65	57.3	537031.80	6456542.29
4:07:00	4:07:00	55.5	76.6	63.5	48.5	7:46 PM	354813.39	60.5	1122018.45	55.5	354813.39	2238721.14
4:08:00	4:08:00	55.3	74.4	61.4	48.7	7:47 PM	338844.16	60.3	1071519.31	55.3	338844.16	1380384.26
4:09:00	4:09:00	60.5	83.5	70.2	49.8	7:48 PM	1122018.45	65.5	3548133.89	60.5	1122018.45	10471285.48
4:10:00	4:10:00	55.6	76.4	64.2	49.8	7:49 PM	363078.05	60.6	1148153.62	55.6	363078.05	2630267.99
4:11:00	4:11:00	53.4	78.8	60	49.1	7:50 PM	218776.16	58.4	691830.97	53.4	218776.16	1000000.00
4:12:00	4:12:00	60	85.5	70.9	48.9	7:51 PM	1000000.00	65	3162277.66	60	1000000.00	12302687.71
4:13:00	4:13:00	52	71	56.7	49	7:52 PM	158489.32	57	501187.23	52	158489.32	467735.14
4:14:00	4:14:00	58	80.5	66.1	48.7	7:53 PM	630957.34	63	1995262.31	58	630957.34	4073802.78
4:15:00	4:15:00	56.7	77.5	64.3	48.9	7:54 PM	467735.14	61.7	1479108.39	56.7	467735.14	2691534.80
4:16:00	4:16:00	60	79.2	65.7	50.2	7:55 PM	1000000.00	65	3162277.66	60	1000000.00	3715352.29
4:17:00	4:17:00	53.1	72.5	59	49.2	7:56 PM	204173.79	58.1	645654.23	53.1	204173.79	794328.23
4:18:00	4:18:00	58.1	80.5	67.5	51.4	7:57 PM	645654.23	63.1	2041737.94	58.1	645654.23	5623413.25
4:19:00	4:19:00	61.3	87.8	74.2	49.6	7:58 PM	1348962.88	66.3	4265795.19	61.3	1348962.88	26302679.92
4:20:00	4:20:00	57	78.6	62.7	50.3	7:59 PM	501187.23	62	1584893.19	57	501187.23	1862087.14
4:21:00	4:21:00	58.3	78.7	65.5	50.1	8:00 PM	676082.98	63.3	2137962.09	58.3	676082.98	3548133.89
4:22:00	4:22:00	55	73.5	60.9	48.5	8:01 PM	316227.77	60	1000000.00	55	316227.77	1230268.77
4:23:00	4:23:00	57.7	78.1	65.7	49	8:02 PM	588843.66	62.7	1862087.14	57.7	588843.66	3715352.29
4:24:00	4:24:00	56.5	75.1	62.2	50.8	8:03 PM	446683.59	61.5	1412537.54	56.5	446683.59	1659586.91
4:25:00	4:25:00	53.2	69.3	56	50.1	8:04 PM	208929.61	58.2	660693.45	53.2	208929.61	398107.17
4:26:00	4:26:00	53	71.4	57.4	49.5	8:05 PM	199526.23	58	630957.34	53	199526.23	549540.87
4:27:00	4:27:00	54.1	79.4	65.3	48.4	8:06 PM	257039.58	59.1	812830.52	54.1	257039.58	3388441.56
4:28:00	4:28:00	52.6	73	59.2	48	8:07 PM	181970.09	57.6	575439.94	52.6	181970.09	831763.77
4:29:00	4:29:00	55.9	79	65.5	48.3	8:08 PM	389045.14	60.9	1230268.77	55.9	389045.14	3548133.89
4:30:00	4:30:00	53.2	74.7	61	48.8	8:09 PM	208929.61	58.2	660693.45	53.2	208929.61	1258925.41
4:31:00	4:31:00	75.3	102.1	89.3	51.8	8:10 PM	33884415.61	80.3	107151930.52	75.3	33884415.61	851138038.20
4:32:00	4:32:00	57.4	81	63.6	47.3	8:11 PM	549540.87	62.4	1737800.83	57.4	549540.87	2290867.65
4:33:00	4:33:00	52.8	72.7	59.5	48.4	8:12 PM	190546.07	57.8	602559.59	52.8	190546.07	891250.94
4:34:00	4:34:00	54.8	74.4	60.7	48.5	8:13 PM	301995.17	59.8	954992.59	54.8	301995.17	1174897.55
4:35:00	4:35:00	52.5	72.4	59	49.5	8:14 PM	177827.94	57.5	562341.33	52.5	177827.94	794328.23
4:36:00	4:36:00	55.9	77.6	64.5	48.6	8:15 PM	389045.14	60.9	1230268.77	55.9	389045.14	2818382.93
4:37:00	4:37:00	55.6	75.7	61.3	50.7	8:16 PM	363078.05	60.6	1148153.62	55.6	363078.05	1348962.88
4:38:00	4:38:00	53.3	72.4	59	48.2	8:17 PM	213796.21	58.3	676082.98	53.3	213796.21	794328.23
4:39:00	4:39:00	53.2	73.1	60.7	48.4	8:18 PM	208929.61	58.2	660693.45	53.2	208929.61	1174897.55
4:40:00	4:40:00	56.8	77	64.5	48.1	8:19 PM	478630.09	61.8	1513561.25	56.8	478630.09	2818382.93
4:41:00	4:41:00	52.9	74.4	56.8	49.1	8:20 PM	194984.46	57.9	616595.00	52.9	194984.46	4786300.23
4:42:00	4:42:00	59.7	92.3	76.8	49.5	8:21 PM	933254.30	64.7	2951209.23	59.7	933254.30	47863009.29
4:43:00	4:43:00	61.8	82.3	76.6	49.3	8:22 PM	1513561.25	66.8	4786300.92	61.8	1513561.25	45708818.96
4:44:00	4:44:00	56.3	76.2	63.1	49.2	8:23 PM	426579.52	61.3	1348962.88	56.3	426579.52	2041737.94
4:45:00	4:45:00	56.3	77.7	65	49.6	8:24 PM	426579.52	61.3	1348962.88	56.3	426579.52	3162277.66
4:46:00	4:46:00	56.1	72.5	60.3	51.2	8:25 PM	407380.28	61.1	1288249.55	56.1	407380.28	1071519.31
4:47:00	4:47:00	51.8	71.1	57.3	47.3	8:						

5:11:00	5:11:00	55.2	74.8	62.2	49.6	8:50 PM	331131.12	60.2	1047128.55	55.2	331131.12	1659586.91
5:12:00	5:12:00	53.7	73.6	60.9	48.7	8:51 PM	234422.88	58.7	741310.24	53.7	234422.88	1230268.77
5:13:00	5:13:00	55.1	79	66.6	49.3	8:52 PM	323593.66	60.1	1023292.99	55.1	323593.66	4570881.90
5:14:00	5:14:00	54.2	73.4	60.9	49.4	8:53 PM	263026.80	59.2	831763.77	54.2	263026.80	1230268.77
5:15:00	5:15:00	53.3	71.7	58.7	48.2	8:54 PM	213796.21	58.3	676082.98	53.3	213796.21	741310.24
5:16:00	5:16:00	55	77	61.9	50.1	8:55 PM	316227.77	60	1000000.00	55.0	316227.77	1548816.62
5:17:00	5:17:00	50.5	72.5	58.1	48.4	8:56 PM	112201.85	55.5	354813.39	50.5	112201.85	645654.23
5:18:00	5:18:00	59.3	80.1	67.8	48.6	8:57 PM	851138.04	64.3	2691534.80	59.3	851138.04	6025595.86
5:19:00	5:19:00	52.6	71.1	58.2	48.7	8:58 PM	181970.09	57.6	575439.94	52.6	181970.09	606693.45
5:20:00	5:20:00	56.8	79.1	64.5	50.4	8:59 PM	478630.09	61.8	1513561.25	56.8	478630.09	2818382.93
5:21:00	5:21:00	56.1	77.2	63.1	48.4	9:00 PM	407380.28	61.1	1288249.55	56.1	407380.28	2041737.94
5:22:00	5:22:00	52.4	72.3	59	48.2	9:01 PM	173780.08	57.4	549540.87	52.4	173780.08	794328.23
5:23:00	5:23:00	56.9	77.9	63.7	49	9:02 PM	489778.82	61.9	1548816.62	56.9	489778.82	2344228.82
5:24:00	5:24:00	55.6	80.4	65.3	49	9:03 PM	363078.05	60.6	1148153.62	55.6	363078.05	3388441.56
5:25:00	5:25:00	57	78.6	65.4	48	9:04 PM	501187.23	62	1584893.19	57.0	501187.23	3467368.50
5:26:00	5:26:00	55.6	81.7	66.5	48.4	9:05 PM	363078.05	60.6	1148153.62	55.6	363078.05	4466835.92
5:27:00	5:27:00	54.8	75.1	63.6	49	9:06 PM	301995.17	59.8	954992.59	54.8	301995.17	2290867.65
5:28:00	5:28:00	52.5	70.5	56.6	48.8	9:07 PM	177827.94	57.5	562341.33	52.5	177827.94	457088.19
5:29:00	5:29:00	56.9	76.4	64.3	49.1	9:08 PM	489778.82	61.9	1548816.62	56.9	489778.82	2691534.80
5:30:00	5:30:00	53.7	74.9	62.4	48.9	9:09 PM	234422.88	58.7	741310.24	53.7	234422.88	1737800.83
5:31:00	5:31:00	55.1	74.9	62	49.8	9:10 PM	323593.66	60.1	1023292.99	55.1	323593.66	1584893.19
5:32:00	5:32:00	50.5	67.1	54	49.2	9:11 PM	112201.85	55.5	354813.39	50.5	112201.85	251188.64
5:33:00	5:33:00	61	89.8	72.1	49.7	9:12 PM	1258925.41	66	3981071.71	61.0	1258925.41	16218100.97
5:34:00	5:34:00	57.8	76.2	62.6	49.1	9:13 PM	602559.59	62.8	1905460.72	57.8	602559.59	1819700.86
5:35:00	5:35:00	54.4	80.1	64.9	47.8	9:14 PM	275422.87	59.4	870963.59	54.4	275422.87	3090295.43
5:36:00	5:36:00	50.2	67.4	54	47.1	9:15 PM	104712.85	55.2	331131.12	50.2	104712.85	251188.64
5:37:00	5:37:00	50.3	68	54	47.6	9:16 PM	107151.93	55.3	338844.16	50.3	107151.93	251188.64
5:38:00	5:38:00	56.2	76.4	63	48.7	9:17 PM	416869.38	61.2	1318256.74	56.2	416869.38	1995262.31
5:39:00	5:39:00	55.1	77	62.1	48.3	9:18 PM	323593.66	60.1	1023292.99	55.1	323593.66	1621810.10
5:40:00	5:40:00	63.4	91.1	76.8	48.3	9:19 PM	2187761.62	68.4	6918309.71	63.4	2187761.62	47863009.23
5:41:00	5:41:00	53.3	72.1	58.6	48.2	9:20 PM	213796.21	58.3	676082.98	53.3	213796.21	724435.96
5:42:00	5:42:00	51.5	74.2	60.6	47.9	9:21 PM	141253.75	56.5	446683.59	51.5	141253.75	1148153.62
5:43:00	5:43:00	52.6	71.6	57.7	47.1	9:22 PM	181970.09	57.6	575439.94	52.6	181970.09	588843.66
5:44:00	5:44:00	52.1	72.4	58.7	47.5	9:23 PM	162181.01	57.1	512861.38	52.1	162181.01	741310.24
5:45:00	5:45:00	59.8	81.8	68.6	48.6	9:24 PM	954992.59	64.8	3019951.72	59.8	954992.59	7244359.60
5:46:00	5:46:00	66.4	89.8	79.3	48.9	9:25 PM	4365158.32	71.4	13803842.65	66.4	4365158.32	85113803.82
5:47:00	5:47:00	55.6	74.6	61.8	47.9	9:26 PM	363078.05	60.6	1148153.62	55.6	363078.05	1513561.25
5:48:00	5:48:00	65.8	90.4	76.8	48.3	9:27 PM	3801893.96	70.8	12022644.35	65.8	3801893.96	47863009.23
5:49:00	5:49:00	57.4	80	68.8	47.6	9:28 PM	549540.87	62.4	1737800.83	57.4	549540.87	7585775.75
5:50:00	5:50:00	51.3	72.2	57.9	48.3	9:29 PM	134896.29	56.3	426579.52	51.3	134896.29	616595.00
5:51:00	5:51:00	55	80.2	63.7	48	9:30 PM	316227.77	60	1000000.00	55.0	316227.77	2344228.82
5:52:00	5:52:00	54.5	75.8	62.9	47.9	9:31 PM	281838.29	59.5	891250.94	54.5	281838.29	1949844.60
5:53:00	5:53:00	52.7	77.2	63.8	48	9:32 PM	186208.71	57.7	588843.66	52.7	186208.71	2398832.92
5:54:00	5:54:00	53.5	75.8	64.3	47.3	9:33 PM	223872.11	58.5	707945.78	53.5	223872.11	2691534.80
5:55:00	5:55:00	54.3	74.8	61.3	48.2	9:34 PM	269153.48	59.3	851138.04	54.3	269153.48	1348962.88
5:56:00	5:56:00	53.4	76	59	48.8	9:35 PM	218776.16	58.4	691830.97	53.4	218776.16	794328.23
5:57:00	5:57:00	50.6	69.1	55.7	47.6	9:36 PM	114815.36	55.6	363078.05	50.6	114815.36	371535.23
5:58:00	5:58:00	55.5	76.1	63.5	48.9	9:37 PM	354813.39	60.5	1122018.45	55.5	354813.39	2238721.14
5:59:00	5:59:00	52.9	74.2	59.9	47.7	9:38 PM	194984.46	57.9	616595.00	52.9	194984.46	977237.21
6:00:00	6:00:00	54.8	75.3	63	49.4	9:39 PM	301995.17	59.8	954992.59	54.8	301995.17	1995262.31
6:01:00	6:01:00	53.8	75.6	59.3	48.8	9:40 PM	239883.29	58.8	758577.58	53.8	239883.29	851138.04
6:02:00	6:02:00	49.4	66.5	53.8	47.6	9:41 PM	87096.36	54.4	275422.87	49.4	87096.36	239883.29
6:03:00	6:03:00	52.2	72.7	57.4	48.4	9:42 PM	165958.69	57.2	524807.46	52.2	165958.69	549540.87
6:04:00	6:04:00	56.9	77.5	65.1	48.8	9:43 PM	489778.82	61.9	1548816.62	56.9	489778.82	3235936.57
6:05:00	6:05:00	55.5	85.7	62.9	48.9	9:44 PM	354813.39	60.5	1122018.45	55.5	354813.39	1949844.60
6:06:00	6:06:00	56.7	80.2	66.1	50.4	9:45 PM	467735.14	61.7	1479108.39	56.7	467735.14	4073802.78
6:07:00	6:07:00	54.7	76.9	64.8	48.4	9:46 PM	295120.92	59.7	933254.30	54.7	295120.92	3019951.72
6:08:00	6:08:00	55.1	79.3	66.3	48.1	9:47 PM	323593.66	60.1	1023292.99	55.1	323593.66	4265795.19
6:09:00	6:09:00	52.5	71.7	57.8	48.3	9:48 PM	177827.94	57.5	562341.33	52.5	177827.94	602559.59
6:10:00	6:10:00	51.9	73.3	57.1	48.6	9:49 PM	154881.66	56.9	489778.82	51.9	154881.66	512861.38
6:11:00	6:11:00	57.3	78.5	65.7	49	9:50 PM	537031.80	62.3	1698243.65	57.3	537031.80	3715352.29
6:12:00	6:12:00	53.1	72.5	61.6	49.4	9:51 PM	204173.79	58.1	645654.23	53.1	204173.79	1445439.77
6:13:00	6:13:00	52.5	74.3	59.7	48.8	9:52 PM	177827.94	57.5	562341.33	52.5	177827.94	933254.30
6:14:00	6:14:00	59.8	83.3	70.2	48.6	9:53 PM	954992.59	64.8	3019951.72	59.8	954992.59	10471285.48
6:15:00	6:15:00	52.3	69.9	57.9	48.4	9:54 PM	169824.37	57.3	537031.80	52.3	169824.37	616595.00
6:16:00	6:16:00	54.8	79.9	62.1	48.4	9:55 PM	301995.17	59.8	954992.59	54.8	301995.17	1621810.10
6:17:00	6:17:00	53.9	77.9	62.9	49.1	9:56 PM	245470.89	58.9	776247.12	53.9	245470.89	1949844.60
6:18:00	6:18:00	55.3	77.9	65.8	48.4	9:57 PM	338844.16	60.3	1071519.31	55.3	338844.16	3801893.96
6:19:00	6:19:00	50.2	67.7	55.1	47.6	9:58 PM	104712.85	55.2	331131.12	50.2	104712.85	323593.66
6:20:00	6:20:00	49.2	64.6	51.9	47.4	9:59 PM	83176.38	54.2	263026.80	49.2	83176.38	154881.66
6:21:00	6:21:00	50.4	70.1	56.3	48.1	10:00 PM	109647.82	60.4	1096478.20	50.4	1096478.20	426579.52
6:22:00	6:22:00	50.6	69.1	55.7	48	10:01 PM	114815.36	60.6	1148153.62	50.6	1148153.62	371535.23
6:23:00	6:23:00	55.1	75.1	62.3	49.4	10:02 PM	323593.66	65.1	3235936.57	55.1	3235936.57	1698243.65
6:24:00	6:24:00	63.3	93.8	77	47.3	10:03 PM	2137962.09	73.3	21379620.90	63.3	21379620.90	50118723.36
6:25:00	6:25:00	53.3	74.1	60.4	49	10:04 PM	213796.21	63.3	2137962.09	53.3	213796.21	1096478.20
6:26:00	6:26:00	54.8	80.1	65.4	48.9	10:05 PM	301995.17	64.8	3019951.72	54.8	301995.17	3467368.50
6:27:00	6:27:00	58	81.2	68.7	49	10:06 PM	6309573.44	68	6309573.44	58.0	6309573.44	7413102.41
6:28:00	6:28:00	56.3	79.5	64.8	48	10:07 PM	426579.52	66.3	4265795.19	56.3	426579.52	3019951.72
6:29:00	6:29:00	55.8	74.2	62.1	48.3	10:08 PM	380189.40	65.8	3801893.96	55.8	380189.40	1621810.10
6:30:00	6:30:00	54.3	77.2	64	48	10:09 PM	269153.48	64.3	2691534.80	54.3	269153.48	251188.64
6:31:00	6:31:00	53.7	80.4	60.1	49.1	10:10 PM	234422.88	63.7	2344228.82	53.7	234422.88	1023292.99
6:32:00	6:32:00	54.9	74.9	61.3	48.6	10:11 PM	309029.54	64.9	3090295.43			

## Data

6:56:00	6:56:00	50.8	72.5	55.2	48.4	10:35 PM	120226.44	60.8	1202264.43	60.8	1202264.43	331131.12
6:57:00	6:57:00	50.7	70.6	54.3	49.3	10:36 PM	117489.76	60.7	1174897.55	60.7	1174897.55	269153.48
6:58:00	6:58:00	54.9	78.9	64.3	49	10:37 PM	309029.54	64.9	3090295.43	64.9	3090295.43	2691534.80
6:59:00	6:59:00	53.4	72.1	57.2	49.5	10:38 PM	218776.16	63.4	2187761.62	63.4	2187761.62	524807.46
7:00:00	7:00:00	52.7	74.4	60.9	49.7	10:39 PM	186208.71	62.7	1862087.14	62.7	1862087.14	1230268.77
7:01:00	7:01:00	54.5	75.2	61.1	49.8	10:40 PM	281838.29	64.5	2818382.93	64.5	2818382.93	1288249.55
7:02:00	7:02:00	55.5	80	66.1	48.7	10:41 PM	354813.39	65.5	3548133.89	65.5	3548133.89	4073802.78
7:03:00	7:03:00	58.3	79.6	66.2	50.1	10:42 PM	676082.98	68.3	6760829.75	68.3	6760829.75	4168693.83
7:04:00	7:04:00	53.9	74.1	61.2	48.9	10:43 PM	245470.89	63.9	2454708.92	63.9	2454708.92	1318256.74
7:05:00	7:05:00	50.7	66.5	53.9	48.7	10:44 PM	117489.76	60.7	1174897.55	60.7	1174897.55	245470.89
7:06:00	7:06:00	51.9	69.9	56.5	49.5	10:45 PM	154881.66	61.9	1548816.62	61.9	1548816.62	446683.59
7:07:00	7:07:00	50.8	69.7	55.9	49.4	10:46 PM	120226.44	60.8	1202264.43	60.8	1202264.43	389045.14
7:08:00	7:08:00	54.6	72.8	60.1	50.4	10:47 PM	288403.15	64.6	2884031.50	64.6	2884031.50	1023292.99
7:09:00	7:09:00	56.2	79.3	66.4	48.9	10:48 PM	416869.38	66.2	4168693.83	66.2	4168693.83	4365158.32
7:10:00	7:10:00	51.5	72.3	58	49.3	10:49 PM	141253.75	61.5	1412537.54	61.5	1412537.54	630957.34
7:11:00	7:11:00	54.2	73.6	59.4	49.9	10:50 PM	263026.80	64.2	2630267.99	64.2	2630267.99	870963.59
7:12:00	7:12:00	50.7	69.1	55.5	48.6	10:51 PM	117489.76	60.7	1174897.55	60.7	1174897.55	354813.39
7:13:00	7:13:00	52	69.7	56.5	48.7	10:52 PM	158489.32	62	1584893.19	62.0	1584893.19	446683.59
7:14:00	7:14:00	53.1	74.6	61.7	48.1	10:53 PM	204173.79	63.1	2041737.94	63.1	2041737.94	1479108.39
7:15:00	7:15:00	51	72.1	57.8	47.8	10:54 PM	125892.54	61	1258925.41	61.0	1258925.41	602559.59
7:16:00	7:16:00	51	74.1	59.4	48.1	10:55 PM	125892.54	61	1258925.41	61.0	1258925.41	870963.59
7:17:00	7:17:00	53.2	74.3	57	48.2	10:56 PM	208929.61	63.2	2089296.13	63.2	2089296.13	501187.23
7:18:00	7:18:00	51.4	72.2	57.7	47.8	10:57 PM	138038.43	61.4	1380384.26	61.4	1380384.26	588843.66
7:19:00	7:19:00	49.8	72.2	56	46.5	10:58 PM	95499.26	59.8	954992.59	59.8	954992.59	398107.17
7:20:00	7:20:00	51.3	73.8	59.1	45.6	10:59 PM	134896.29	61.3	1348962.88	61.3	1348962.88	812830.52
7:21:00	7:21:00	58.2	85.6	70.2	46.6	11:00 PM	660693.45	68.2	6606934.48	68.2	6606934.48	10471285.48
7:22:00	7:22:00	48.4	68.1	53.9	45.1	11:01 PM	69183.10	58.4	691830.97	58.4	691830.97	245470.89
7:23:00	7:23:00	48.3	70.7	56.7	45.3	11:02 PM	67608.30	58.3	676082.98	58.3	676082.98	467735.14
7:24:00	7:24:00	48.5	74.5	54.8	45.2	11:03 PM	70794.58	58.5	707945.78	58.5	707945.78	301995.17
7:25:00	7:25:00	51.4	74.8	61.2	46.2	11:04 PM	138038.43	61.4	1380384.26	61.4	1380384.26	1318256.74
7:26:00	7:26:00	55.4	81.7	68.2	46.3	11:05 PM	346736.85	65.4	3467368.50	65.4	3467368.50	6606934.48
7:27:00	7:27:00	59.7	82.8	68.5	46.1	11:06 PM	933254.30	69.7	9332543.01	69.7	9332543.01	7079457.84
7:28:00	7:28:00	51.3	72.3	59.8	44.5	11:07 PM	134896.29	61.3	1348962.88	61.3	1348962.88	954992.59
7:29:00	7:29:00	50.1	72.3	57.4	44.9	11:08 PM	102329.30	60.1	1023292.99	60.1	1023292.99	549540.87
7:30:00	7:30:00	53.1	75.3	62.6	45	11:09 PM	204173.79	63.1	2041737.94	63.1	2041737.94	1819700.86
7:31:00	7:31:00	50.4	71.5	59.6	44.5	11:10 PM	109647.82	60.4	1096478.20	60.4	1096478.20	912010.84
7:32:00	7:32:00	51.5	73.5	60.7	44.9	11:11 PM	141253.75	61.5	1412537.54	61.5	1412537.54	1174897.55
7:33:00	7:33:00	52.3	73	59.9	45.8	11:12 PM	169824.37	62.3	1698243.65	62.3	1698243.65	977237.22
7:34:00	7:34:00	49.1	67.9	55.8	45.1	11:13 PM	81283.05	59.1	812830.52	59.1	812830.52	380189.40
7:35:00	7:35:00	56.1	84.1	64.6	44.8	11:14 PM	407380.28	66.1	4073802.78	66.1	4073802.78	2884031.50
7:36:00	7:36:00	55.3	79.2	65.1	45.2	11:15 PM	338844.16	65.3	3388441.56	65.3	3388441.56	3235936.57
7:37:00	7:37:00	55.8	79.7	65.9	44.9	11:16 PM	380189.40	65.8	3801893.96	65.8	3801893.96	3890451.45
7:38:00	7:38:00	48.8	71	56.8	44.8	11:17 PM	75857.76	58.8	758577.58	58.8	758577.58	478630.09
7:39:00	7:39:00	46.7	68.9	54.5	44.7	11:18 PM	46773.51	56.7	467735.14	56.7	467735.14	281838.29
7:40:00	7:40:00	48.4	72.1	55.8	44.9	11:19 PM	69183.10	58.4	691830.97	58.4	691830.97	380189.40
7:41:00	7:41:00	56.1	83.7	69.8	45.1	11:20 PM	407380.28	66.1	4073802.78	66.1	4073802.78	9549925.86
7:42:00	7:42:00	56.1	77.4	63.8	45.1	11:21 PM	407380.28	66.1	4073802.78	66.1	4073802.78	2398832.92
7:43:00	7:43:00	48.7	71.1	56.6	44.8	11:22 PM	74131.02	58.7	741310.24	58.7	741310.24	457088.19
7:44:00	7:44:00	48.1	67.6	54.1	44.8	11:23 PM	64565.42	58.1	645654.23	58.1	645654.23	2570395.78
7:45:00	7:45:00	48.7	72.4	54.3	45	11:24 PM	74131.02	58.7	741310.24	58.7	741310.24	269153.48
7:46:00	7:46:00	49.6	71.9	57.6	44.4	11:25 PM	91201.08	59.6	912010.84	59.6	912010.84	575439.94
7:47:00	7:47:00	49	69.2	56.4	44.8	11:26 PM	79432.82	59	794328.23	59.0	794328.23	436515.83
7:48:00	7:48:00	49.1	73.9	59.6	44.6	11:27 PM	81283.05	59.1	812830.52	59.1	812830.52	912010.84
7:49:00	7:49:00	47.7	70.5	55.7	44.7	11:28 PM	58884.36	57.7	588843.66	57.7	588843.66	371535.23
7:50:00	7:50:00	52.5	77.6	65.4	44.5	11:29 PM	177827.94	62.5	1778279.41	62.5	1778279.41	3467368.50
7:51:00	7:51:00	45.2	60.7	46.1	44.5	11:30 PM	33113.11	55.2	331131.12	55.2	331131.12	40738.03
7:52:00	7:52:00	48.5	68.5	54.6	44.9	11:31 PM	70794.58	58.5	707945.78	58.5	707945.78	288403.15
7:53:00	7:53:00	49.7	72.7	58.5	45.5	11:32 PM	93325.43	59.7	933254.30	59.7	933254.30	707945.78
7:54:00	7:54:00	52	72.3	58.1	45.6	11:33 PM	158489.32	62	1584893.19	62.0	1584893.19	645654.23
7:55:00	7:55:00	54.1	76.9	62.6	45.4	11:34 PM	257039.58	64.1	2570395.78	64.1	2570395.78	1819700.86
7:56:00	7:56:00	53.9	78.3	64.5	45	11:35 PM	245470.89	63.9	2454708.92	63.9	2454708.92	2818382.93
7:57:00	7:57:00	49.6	71.7	57.4	44.8	11:36 PM	91201.08	59.6	912010.84	59.6	912010.84	549540.87
7:58:00	7:58:00	47.4	66	52.8	45.2	11:37 PM	549540.87	57.4	549540.87	57.4	549540.87	190546.07
7:59:00	7:59:00	54.1	76.8	65.1	45.1	11:38 PM	257039.58	64.1	2570395.78	64.1	2570395.78	3235936.57
8:00:00	8:00:00	49.5	72.3	53.8	45.3	11:39 PM	89125.09	59.5	891250.94	59.5	891250.94	239883.29
8:01:00	8:01:00	52.5	72.2	60	45.5	11:40 PM	177827.94	62.5	1778279.41	62.5	1778279.41	1000000.00
8:02:00	8:02:00	49.2	72.5	57.9	45.4	11:41 PM	83176.38	59.2	831763.77	59.2	831763.77	616595.00
8:03:00	8:03:00	48.6	72.2	58.7	45.2	11:42 PM	72443.60	58.6	724435.96	58.6	724435.96	741310.24
8:04:00	8:04:00	48.7	72.3	57.5	45.2	11:43 PM	74131.02	58.7	741310.24	58.7	741310.24	562341.33
8:05:00	8:05:00	49.3	75.5	60.3	44.9	11:44 PM	85113.80	59.3	851138.04	59.3	851138.04	1071519.31
8:06:00	8:06:00	53.3	77	64	45.5	11:45 PM	213796.21	63.3	2137962.09	63.3	2137962.09	2511886.43
8:07:00	8:07:00	48.4	67	59.4	45.1	11:46 PM	69183.10	58.4	691830.97	58.4	691830.97	870963.59
8:08:00	8:08:00	67.6	95	83	45.6	11:47 PM	5754399.37	77.6	57543993.73	77.6	57543993.73	199526231.50
8:09:00	8:09:00	53.8	77.7	63.7	45.1	11:48 PM	239883.29	63.8	2398832.92	63.8	2398832.92	2344228.82
8:10:00	8:10:00	47.1	67.6	53.2	44.7	11:49 PM	512861.38	57.1	512861.38	57.1	512861.38	208929.61
8:11:00	8:11:00	47.5	68	55.1	45	11:50 PM	562341.33	57.5	562341.33	57.5	562341.33	323593.66
8:12:00	8:12:00	46.6	66.3	53.4	44.7	11:51 PM	457088.19	56.6	457088.19	56.6	457088.19	218776.16
8:13:00	8:13:00	47	65.2	52.5	44.2	11:52 PM	501187.23	57	501187.23	57.0	501187.23	177827.94
8:14:00	8:14:00	46.3	63.5	50.8	44.5	11:53 PM	426579.52	56.3	426579.52	56.3	426579.52	120226.44
8:15:00	8:15:00	52	75.7	63.2	45	11:54 PM	158489.32	62	1584893.19	62.0	1584893.19	2089296.13
8:16:00	8:16:00	47.8	67.6	53.8	44.9	11:55 PM	60255.96	57.8	602559.59	57.8	602559.59	239883.29
8:17:00												

Data

8:41:00	8:41:00	47.4	76.9	52.1	45.3	12:20 AM	54954.09	57.4	549540.87	57.4	549540.87	162181.01
8:42:00	8:42:00	52.1	76.6	63.7	45.3	12:21 AM	162181.01	62.1	1621810.10	62.1	1621810.10	2344228.82
8:43:00	8:43:00	52	74.4	63.6	45.4	12:22 AM	158489.32	62	1584893.19	62.0	1584893.19	2290867.65
8:44:00	8:44:00	48.1	68.6	55.2	45.2	12:23 AM	64565.42	58.1	645654.23	58.1	645654.23	331131.12
8:45:00	8:45:00	56.7	87.3	71.5	44.9	12:24 AM	467735.14	66.7	4677351.41	66.7	4677351.41	14125375.45
8:46:00	8:46:00	46.6	66.1	53.6	45	12:25 AM	45708.82	56.6	457088.19	56.6	457088.19	229086.77
8:47:00	8:47:00	47.4	67.7	54.1	45.2	12:26 AM	54954.09	57.4	549540.87	57.4	549540.87	257039.58
8:48:00	8:48:00	46.6	73.5	53.3	45.1	12:27 AM	45708.82	56.6	457088.19	56.6	457088.19	213796.21
8:49:00	8:49:00	47.4	67.2	54	45.7	12:28 AM	54954.09	57.4	549540.87	57.4	549540.87	251188.64
8:50:00	8:50:00	47.9	68.9	55.2	45.8	12:29 AM	61659.50	57.9	616595.00	57.9	616595.00	331131.12
8:51:00	8:51:00	47.9	76.9	52.9	46.2	12:30 AM	61659.50	57.9	616595.00	57.9	616595.00	194984.46
8:52:00	8:52:00	50	75.6	60.6	46.1	12:31 AM	100000.00	60	1000000.00	60.0	1000000.00	1148153.62
8:53:00	8:53:00	48.7	69.4	54.6	46.2	12:32 AM	74131.02	58.7	741310.24	58.7	741310.24	288403.15
8:54:00	8:54:00	53.8	77.4	63.7	45.9	12:33 AM	239883.29	63.8	2398832.92	63.8	2398832.92	2344228.82
8:55:00	8:55:00	51.7	78.5	63.8	45.3	12:34 AM	147910.84	61.7	1479108.39	61.7	1479108.39	2398832.92
8:56:00	8:56:00	54.1	77.3	62.6	45.3	12:35 AM	257039.58	64.1	2570395.78	64.1	2570395.78	1819700.86
8:57:00	8:57:00	46.4	64.8	50.7	44.9	12:36 AM	43651.58	56.4	436515.83	56.4	436515.83	117489.76
8:58:00	8:58:00	47	68.4	53.8	45	12:37 AM	50118.72	57	501187.23	57.0	501187.23	239883.29
8:59:00	8:59:00	54.4	77.6	64.6	44.9	12:38 AM	275422.87	64.4	2754228.70	64.4	2754228.70	2884031.50
9:00:00	9:00:00	46.9	68.8	55.4	45.4	12:39 AM	48977.88	56.9	489778.82	56.9	489778.82	346736.85
9:01:00	9:01:00	51.6	74.3	58.3	45	12:40 AM	144543.98	61.6	1445439.77	61.6	1445439.77	676082.98
9:02:00	9:02:00	47.9	67.8	52.2	45.7	12:41 AM	61659.50	57.9	616595.00	57.9	616595.00	165958.69
9:03:00	9:03:00	57	82.5	68.4	47.1	12:42 AM	501187.23	67	5011872.34	67.0	5011872.34	6918309.71
9:04:00	9:04:00	51.1	72.2	61.3	45.6	12:43 AM	128824.96	61.1	1288249.55	61.1	1288249.55	1348962.88
9:05:00	9:05:00	57	81.2	68.7	46.4	12:44 AM	501187.23	67	5011872.34	67.0	5011872.34	7413102.41
9:06:00	9:06:00	57.1	81.3	69	46	12:45 AM	512861.38	67.1	5128613.84	67.1	5128613.84	7943282.35
9:07:00	9:07:00	48.8	72.3	57.8	46	12:46 AM	75857.76	58.8	758577.58	58.8	758577.58	602559.59
9:08:00	9:08:00	51.7	72.9	59.6	46.3	12:47 AM	147910.84	61.7	1479108.39	61.7	1479108.39	912101.84
9:09:00	9:09:00	47	65.9	52.6	45.8	12:48 AM	50118.72	57	501187.23	57.0	501187.23	1819700.86
9:10:00	9:10:00	46.4	65.3	52.4	45.5	12:49 AM	43651.58	56.4	436515.83	56.4	436515.83	173780.08
9:11:00	9:11:00	46.4	65.2	53	45.2	12:50 AM	43651.58	56.4	436515.83	56.4	436515.83	199526.23
9:12:00	9:12:00	48.3	70.9	56.8	45.4	12:51 AM	67608.30	58.3	676082.98	58.3	676082.98	478630.09
9:13:00	9:13:00	47.7	65.9	52.8	45.4	12:52 AM	58884.37	57.7	588843.66	57.7	588843.66	190546.07
9:14:00	9:14:00	50.1	71.6	58.9	45.4	12:53 AM	102329.30	60.1	1023292.99	60.1	1023292.99	776247.12
9:15:00	9:15:00	45.9	60.3	46.6	45.5	12:54 AM	38904.51	55.9	389045.14	55.9	389045.14	45708.82
9:16:00	9:16:00	46.7	65.5	52.8	45.6	12:55 AM	46773.51	56.7	467735.14	56.7	467735.14	190546.07
9:17:00	9:17:00	49.4	69.4	54.6	45.7	12:56 AM	87096.36	59.4	870963.59	59.4	870963.59	288403.15
9:18:00	9:18:00	46.9	75.5	52.9	45.5	12:57 AM	48977.88	56.9	489778.82	56.9	489778.82	194984.46
9:19:00	9:19:00	47.2	63.9	51.2	45.8	12:58 AM	52480.75	57.2	524807.46	57.2	524807.46	131825.67
9:20:00	9:20:00	47.7	67.2	54.2	45.9	12:59 AM	58884.37	57.7	588843.66	57.7	588843.66	263026.80
9:21:00	9:21:00	47.6	66.1	54.1	45.5	1:00 AM	57543.99	57.6	575439.94	57.6	575439.94	257039.58
9:22:00	9:22:00	47.8	70.9	56.3	45.4	1:01 AM	60255.96	57.8	602559.59	57.8	602559.59	426579.52
9:23:00	9:23:00	48.2	68.4	55.1	45.9	1:02 AM	66069.34	58.2	660693.45	58.2	660693.45	323593.66
9:24:00	9:24:00	46.2	60.5	47.1	45.4	1:03 AM	41686.94	56.2	416869.38	56.2	416869.38	51286.14
9:25:00	9:25:00	49.5	74.4	59.5	45.7	1:04 AM	89125.09	59.5	891250.94	59.5	891250.94	891250.94
9:26:00	9:26:00	46.5	60.2	47.1	46	1:05 AM	44668.36	56.5	446683.59	56.5	446683.59	51286.14
9:27:00	9:27:00	52.5	75.5	62.7	46.1	1:06 AM	177827.94	62.5	1778279.41	62.5	1778279.41	1862087.14
9:28:00	9:28:00	48.8	72.4	53.1	46.7	1:07 AM	75857.76	58.8	758577.58	58.8	758577.58	204173.79
9:29:00	9:29:00	47.3	61.2	47.8	46.5	1:08 AM	53703.18	57.3	537031.80	57.3	537031.80	60255.96
9:30:00	9:30:00	48.3	65.4	52.6	46.9	1:09 AM	67608.30	58.3	676082.98	58.3	676082.98	181970.09
9:31:00	9:31:00	49.2	68	55.2	46.6	1:10 AM	83176.38	59.2	831763.77	59.2	831763.77	331131.12
9:32:00	9:32:00	48.2	66.3	52.7	46.8	1:11 AM	66069.34	58.2	660693.45	58.2	660693.45	186208.71
9:33:00	9:33:00	47.5	63.6	48.3	46.7	1:12 AM	56234.13	57.5	562341.33	57.5	562341.33	67608.30
9:34:00	9:34:00	48.3	70.1	52.9	46.9	1:13 AM	67608.30	58.3	676082.98	58.3	676082.98	194984.46
9:35:00	9:35:00	48	66.2	52.7	46.8	1:14 AM	63095.73	58	630957.34	58.0	630957.34	186208.71
9:36:00	9:36:00	48.8	67.7	54.5	47.1	1:15 AM	75857.76	58.8	758577.58	58.8	758577.58	281838.29
9:37:00	9:37:00	48.9	73.1	56.9	46.9	1:16 AM	77624.71	58.9	776247.12	58.9	776247.12	489778.82
9:38:00	9:38:00	49	75.8	56	46.7	1:17 AM	79432.82	59	794328.23	59.0	794328.23	398107.17
9:39:00	9:39:00	47.4	63.5	49.1	46.6	1:18 AM	54954.09	57.4	549540.87	57.4	549540.87	81283.05
9:40:00	9:40:00	48.7	70.2	55.5	46.9	1:19 AM	74131.02	58.7	741310.24	58.7	741310.24	354813.39
9:41:00	9:41:00	53.9	76.7	64.1	46.6	1:20 AM	245470.89	63.9	2454708.92	63.9	2454708.92	257039.58
9:42:00	9:42:00	50.9	71	58.5	47	1:21 AM	123026.88	60.9	1230268.77	60.9	1230268.77	707945.78
9:43:00	9:43:00	49.5	70.9	56.6	46.6	1:22 AM	89125.09	59.5	891250.94	59.5	891250.94	457088.19
9:44:00	9:44:00	47.8	67.5	53.7	46.4	1:23 AM	60255.96	57.8	602559.59	57.8	602559.59	234422.88
9:45:00	9:45:00	53.1	76.7	64.3	46	1:24 AM	204173.79	63.1	2041737.94	63.1	2041737.94	2691534.80
9:46:00	9:46:00	47.2	63.6	50.6	46.1	1:25 AM	52480.75	57.2	524807.46	57.2	524807.46	114815.36
9:47:00	9:47:00	47.2	62.9	49.7	46.2	1:26 AM	52480.75	57.2	524807.46	57.2	524807.46	93325.43
9:48:00	9:48:00	46.5	61.3	49.1	45.3	1:27 AM	44668.36	56.5	446683.59	56.5	446683.59	81283.05
9:49:00	9:49:00	46.5	64.9	50.5	45.4	1:28 AM	44668.36	56.5	446683.59	56.5	446683.59	112201.85
9:50:00	9:50:00	46.1	63.5	50.5	45.1	1:29 AM	40738.28	56.1	407380.28	56.1	407380.28	112201.85
9:51:00	9:51:00	49.2	72.9	60.8	46	1:30 AM	83176.38	59.2	831763.77	59.2	831763.77	1202264.43
9:52:00	9:52:00	52.8	76.4	65.1	46.2	1:31 AM	190546.07	62.8	1905460.72	62.8	1905460.72	323593.66
9:53:00	9:53:00	48.1	69.8	56	45.7	1:32 AM	64565.42	58.1	645654.23	58.1	645654.23	398107.17
9:54:00	9:54:00	46.1	60	46.8	45.6	1:33 AM	40738.28	56.1	407380.28	56.1	407380.28	47863.01
9:55:00	9:55:00	47.8	83.8	55.4	45.6	1:34 AM	60255.96	57.8	602559.59	57.8	602559.59	346736.85
9:56:00	9:56:00	54.2	78	64.6	46	1:35 AM	263026.80	64.2	2630267.99	64.2	2630267.99	2884031.50
9:57:00	9:57:00	50.5	72.4	58.7	46.6	1:36 AM	112201.85	60.5	1122018.45	60.5	1122018.45	741310.24
9:58:00	9:58:00	46.7	60.1	50.2	46	1:37 AM	46773.51	56.7	467735.14	56.7	467735.14	104712.85
9:59:00	9:59:00	47.2	68.6	54.6	45.3	1:38 AM	52480.75	57.2	524807.46	57.2	524807.46	288403.15
10:00:00	10:00:00	45.9	60.1	46.5	45.2	1:39 AM	38904.51	55.9	389045.14	55.9	389045.14	44668.36
10:01:00	10:01:00	47	67.1	54.4	45.4	1:40 AM	50118.72	57	501187.23	57.0	501187.23	275422.87
10:02:00	10:02:00	47.7	66.4	53.4	45.6	1:41 AM	58884.37	57.7	588843.66	57.7	588843.66	218776.16
10:03:00	10:03:											

10:26:00	10:26:00	48.1	71.5	57.1	46.2	2:05 AM	64565.42	58.1	64565.42	58.1	64565.42	512861.38
10:27:00	10:27:00	48.7	68.9	57.2	46.2	2:06 AM	74131.02	58.7	74131.02	58.7	74131.02	524807.46
10:28:00	10:28:00	48	69.3	55.8	45.8	2:07 AM	63095.73	58	63095.73	58.0	63095.73	380189.40
10:29:00	10:29:00	46.6	63.5	50.6	45.9	2:08 AM	45708.82	56.6	45708.82	56.6	45708.82	114815.36
10:30:00	10:30:00	45.8	60.1	46.7	45.1	2:09 AM	38018.94	55.8	38018.94	55.8	38018.94	46773.51
10:31:00	10:31:00	46.5	64	51.8	45	2:10 AM	44668.36	56.5	44668.36	56.5	44668.36	151356.12
10:32:00	10:32:00	46.8	67.7	53.7	45.3	2:11 AM	47863.01	56.8	47863.01	56.8	47863.01	234422.88
10:33:00	10:33:00	46.5	65	51.7	45.4	2:12 AM	44668.36	56.5	44668.36	56.5	44668.36	147910.84
10:34:00	10:34:00	46.1	60.2	46.5	45.5	2:13 AM	40738.03	56.1	40738.03	56.1	40738.03	44668.36
10:35:00	10:35:00	47	66.8	53.3	45.7	2:14 AM	50118.72	57	50118.72	57.0	50118.72	213796.21
10:36:00	10:36:00	45.9	59.8	46.5	45.4	2:15 AM	38904.51	55.9	38904.51	55.9	38904.51	44668.36
10:37:00	10:37:00	49.2	72.1	59	45.8	2:16 AM	83176.38	59.2	83176.38	59.2	83176.38	794328.23
10:38:00	10:38:00	46	63.8	51	45	2:17 AM	39810.72	56	39810.72	56.0	39810.72	125892.54
10:39:00	10:39:00	46.4	68.9	55.8	44.9	2:18 AM	43651.58	56.4	43651.58	56.4	43651.58	380189.40
10:40:00	10:40:00	46.5	69.3	55.9	45	2:19 AM	44668.36	56.5	44668.36	56.5	44668.36	389045.14
10:41:00	10:41:00	47.3	66.3	53.7	45.1	2:20 AM	53703.18	57.3	53703.18	57.3	53703.18	234422.88
10:42:00	10:42:00	48	67.5	54.8	45	2:21 AM	63095.73	58	63095.73	58.0	63095.73	301995.17
10:43:00	10:43:00	47.2	67.2	54.1	44.8	2:22 AM	52480.75	57.2	52480.75	57.2	52480.75	257039.58
10:44:00	10:44:00	47.3	67.9	54.2	44.8	2:23 AM	53703.18	57.3	53703.18	57.3	53703.18	263026.80
10:45:00	10:45:00	46.3	65.1	52.2	45.1	2:24 AM	42657.95	56.3	42657.95	56.3	42657.95	165958.69
10:46:00	10:46:00	45.7	64.8	48.8	44.9	2:25 AM	37153.52	55.7	37153.52	55.7	37153.52	75857.76
10:47:00	10:47:00	47.5	76	55	45.5	2:26 AM	56234.13	57.5	56234.13	57.5	56234.13	316227.77
10:48:00	10:48:00	46.4	63.7	51	45.4	2:27 AM	43651.58	56.4	43651.58	56.4	43651.58	125892.54
10:49:00	10:49:00	46.8	69	55.2	44.7	2:28 AM	47863.01	56.8	47863.01	56.8	47863.01	331131.12
10:50:00	10:50:00	45.6	60.2	46.1	45.1	2:29 AM	36307.81	55.6	36307.81	55.6	36307.81	40738.03
10:51:00	10:51:00	45.5	59.7	46.1	45.1	2:30 AM	35481.34	55.5	35481.34	55.5	35481.34	40738.03
10:52:00	10:52:00	45.4	59.7	45.8	44.9	2:31 AM	34673.69	55.4	34673.69	55.4	34673.69	38018.94
10:53:00	10:53:00	45.2	59.6	45.9	44.5	2:32 AM	33113.11	55.2	33113.11	55.2	33113.11	38904.51
10:54:00	10:54:00	47.9	72.7	58.5	44.4	2:33 AM	61659.00	57.9	61659.00	57.9	61659.00	707945.78
10:55:00	10:55:00	46.9	65.9	52.2	45.1	2:34 AM	48977.88	56.9	48977.88	56.9	48977.88	165958.69
10:56:00	10:56:00	47.6	72.7	55.7	45	2:35 AM	57543.99	57.6	57543.99	57.6	57543.99	371535.23
10:57:00	10:57:00	57.3	80.7	65.4	45.5	2:36 AM	53703.18	67.3	53703.18	67.3	53703.18	3467368.50
10:58:00	10:58:00	46.4	62.8	50.3	45.6	2:37 AM	43651.58	56.4	43651.58	56.4	43651.58	107151.93
10:59:00	10:59:00	46.5	64.8	51.4	45.3	2:38 AM	44668.36	56.5	44668.36	56.5	44668.36	138038.43
11:00:00	11:00:00	47.4	69.8	56.1	45.5	2:39 AM	54954.09	57.4	54954.09	57.4	54954.09	407380.28
11:01:00	11:01:00	46.1	65.2	50.8	45.2	2:40 AM	40738.03	56.1	40738.03	56.1	40738.03	120226.44
11:02:00	11:02:00	45.8	59.7	46.3	45.3	2:41 AM	38018.94	55.8	38018.94	55.8	38018.94	42657.95
11:03:00	11:03:00	47	68.8	52.9	45.2	2:42 AM	50118.72	57	50118.72	57.0	50118.72	194984.46
11:04:00	11:04:00	45.8	59.5	47.4	45.2	2:43 AM	38018.94	55.8	38018.94	55.8	38018.94	54954.09
11:05:00	11:05:00	45.6	60.2	46.3	45	2:44 AM	36307.81	55.6	36307.81	55.6	36307.81	42657.95
11:06:00	11:06:00	46.6	72.8	53.4	45.1	2:45 AM	45708.82	56.6	45708.82	56.6	45708.82	218776.16
11:07:00	11:07:00	46.8	68.3	52.6	45.3	2:46 AM	47863.01	56.8	47863.01	56.8	47863.01	181970.09
11:08:00	11:08:00	59.1	80.7	68	45.9	2:47 AM	812830.52	69.1	812830.52	69.1	812830.52	6309573.44
11:09:00	11:09:00	47.5	70.7	51.7	45.6	2:48 AM	56234.13	57.5	56234.13	57.5	56234.13	147910.84
11:10:00	11:10:00	58.2	77.9	67.6	46.1	2:49 AM	660693.45	68.2	660693.45	68.2	660693.45	5754399.37
11:11:00	11:11:00	46.6	64.1	51.5	45.5	2:50 AM	45708.82	56.6	45708.82	56.6	45708.82	141253.75
11:12:00	11:12:00	45.8	59.7	47.3	45.1	2:51 AM	38018.94	55.8	38018.94	55.8	38018.94	53703.18
11:13:00	11:13:00	45.2	59.2	45.7	44.5	2:52 AM	33113.11	55.2	33113.11	55.2	33113.11	37153.52
11:14:00	11:14:00	48.1	69.7	55.7	44.9	2:53 AM	64565.42	58.1	64565.42	58.1	64565.42	371535.23
11:15:00	11:15:00	45.6	62.1	49.5	44.1	2:54 AM	36307.81	55.6	36307.81	55.6	36307.81	89125.09
11:16:00	11:16:00	51.6	74.3	61.3	44.7	2:55 AM	144543.98	61.6	144543.98	61.6	144543.98	1348962.88
11:17:00	11:17:00	46.9	65.7	54.2	44.1	2:56 AM	48977.88	56.9	48977.88	56.9	48977.88	263026.80
11:18:00	11:18:00	47.3	67.5	53.4	45.1	2:57 AM	53703.18	57.3	53703.18	57.3	53703.18	218776.16
11:19:00	11:19:00	45.4	59.4	46	45	2:58 AM	34673.69	55.4	34673.69	55.4	34673.69	39810.72
11:20:00	11:20:00	57.9	85.9	72.1	44.7	2:59 AM	616595.02	67.9	616595.02	67.9	616595.02	16218100.97
11:21:00	11:21:00	49.8	67.9	64	44.9	3:00 AM	95499.26	59.8	95499.26	59.8	95499.26	2511886.43
11:22:00	11:22:00	47.4	69.1	56	45	3:01 AM	54954.09	57.4	54954.09	57.4	54954.09	398107.17
11:23:00	11:23:00	45.6	60.5	46.3	45.2	3:02 AM	36307.81	55.6	36307.81	55.6	36307.81	42657.95
11:24:00	11:24:00	47.1	68.9	55.6	45.3	3:03 AM	51286.14	57.1	51286.14	57.1	51286.14	363078.05
11:25:00	11:25:00	47.3	67.7	53.9	45.1	3:04 AM	53703.18	57.3	53703.18	57.3	53703.18	245470.89
11:26:00	11:26:00	45.4	59.8	45.9	44.8	3:05 AM	34673.69	55.4	34673.69	55.4	34673.69	38904.51
11:27:00	11:27:00	45.7	59.5	46.1	45.3	3:06 AM	37153.52	55.7	37153.52	55.7	37153.52	40738.03
11:28:00	11:28:00	51.9	76.2	64.7	45.1	3:07 AM	154881.66	61.9	154881.66	61.9	154881.66	2951209.23
11:29:00	11:29:00	49.6	70	62.7	45.3	3:08 AM	91201.08	59.6	91201.08	59.6	91201.08	1862087.14
11:30:00	11:30:00	46.8	69.1	54.9	45.3	3:09 AM	47863.01	56.8	47863.01	56.8	47863.01	309029.54
11:31:00	11:31:00	46.1	63.5	50	45.2	3:10 AM	40738.03	56.1	40738.03	56.1	40738.03	100000.00
11:32:00	11:32:00	52.2	75	61.4	45.1	3:11 AM	165958.69	62.2	165958.69	62.2	165958.69	1380384.26
11:33:00	11:33:00	46.6	72.1	53.4	44.8	3:12 AM	45708.82	56.6	45708.82	56.6	45708.82	218776.16
11:34:00	11:34:00	46.9	67.5	54.1	44.8	3:13 AM	48977.88	56.9	48977.88	56.9	48977.88	257039.58
11:35:00	11:35:00	47.6	69.2	56.1	44.8	3:14 AM	57543.99	57.6	57543.99	57.6	57543.99	407380.28
11:36:00	11:36:00	46.5	67.2	54.3	44.7	3:15 AM	44668.36	56.5	44668.36	56.5	44668.36	269153.48
11:37:00	11:37:00	46.4	67.8	53.8	44.6	3:16 AM	43651.58	56.4	43651.58	56.4	43651.58	239883.29
11:38:00	11:38:00	46.6	65.8	52.9	44.4	3:17 AM	45708.82	56.6	45708.82	56.6	45708.82	194984.46
11:39:00	11:39:00	45.6	59.8	46.8	44.4	3:18 AM	36307.81	55.6	36307.81	55.6	36307.81	47863.01
11:40:00	11:40:00	45.8	60.9	47.6	44.8	3:19 AM	38018.94	55.8	38018.94	55.8	38018.94	57543.99
11:41:00	11:41:00	46.3	61.8	48.2	45.1	3:20 AM	42657.95	56.3	42657.95	56.3	42657.95	66069.34
11:42:00	11:42:00	46.6	67	51.6	45	3:21 AM	45708.82	56.6	45708.82	56.6	45708.82	144543.98
11:43:00	11:43:00	46.5	67.1	51.9	45.1	3:22 AM	44668.36	56.5	44668.36	56.5	44668.36	154881.66
11:44:00	11:44:00	46.2	62.2	49.2	44.9	3:23 AM	41686.94	56.2	41686.94	56.2	41686.94	83176.38
11:45:00	11:45:00	45.9	59.8	46.3	45.3	3:24 AM	38904.51	55.9	38904.51	55.9	38904.51	42657.95
11:46:00	11:46:00	47.7	70.8	55.7	45.7	3:25 AM	58884.37	57.7	58884.37	57.7	58884.37	371535.23
11:47:00	11:47:00	48	70	55.3	45.5	3:26 AM	63095.73	58	63095.73	58.0	63095.73	338844.16
11:48:00	11:48:00	46.7	68.8	54.3	45.4	3:27 AM	46773.51	56.7	46773.51	56.7	46773.51	269153.48
11:49:00												

Data

12:11:00	12:11:00	53.2	76.4	61.6	45.5	3:50 AM	208929.61	63.2	2089296.13	63.2	2089296.13	1445439.77
12:12:00	12:12:00	47.7	74.5	55.6	45.6	3:51 AM	60255.96	57.8	602559.59	57.8	602559.59	363078.05
12:13:00	12:13:00	47.7	67.6	53.2	45.8	3:52 AM	58884.37	57.7	588843.66	57.7	588843.66	208929.61
12:14:00	12:14:00	46.1	59.5	46.6	45.6	3:53 AM	40738.03	56.1	407380.28	56.1	407380.28	45708.82
12:15:00	12:15:00	49.8	72	57.6	45.6	3:54 AM	95499.26	59.8	954992.59	59.8	954992.59	575439.94
12:16:00	12:16:00	48.2	69.6	55.1	45.9	3:55 AM	66069.34	58.2	660693.45	58.2	660693.45	323593.66
12:17:00	12:17:00	46	60.2	46.6	45.6	3:56 AM	39810.72	56	398107.17	56.0	398107.17	45708.82
12:18:00	12:18:00	48.7	69.8	54.5	45.7	3:57 AM	74131.02	58.7	741310.24	58.7	741310.24	281838.29
12:19:00	12:19:00	47	65.4	52.9	45.4	3:58 AM	50118.72	57	501187.23	57.0	501187.23	194984.46
12:20:00	12:20:00	53.8	76.6	62.8	45	3:59 AM	239883.29	63.8	2398832.92	63.8	2398832.92	1905460.72
12:21:00	12:21:00	47.5	71	57.4	45	4:00 AM	56234.13	57.5	562341.33	57.5	562341.33	549540.87
12:22:00	12:22:00	46	60.8	50.5	45.3	4:01 AM	39810.72	56	398107.17	56.0	398107.17	112201.85
12:23:00	12:23:00	52.6	78.3	65.4	44.5	4:02 AM	181970.09	62.6	1819700.86	62.6	1819700.86	3467368.50
12:24:00	12:24:00	46.6	65.3	51.4	44.4	4:03 AM	45708.82	56.6	457088.19	56.6	457088.19	138038.43
12:25:00	12:25:00	47.4	68.7	54.5	44.4	4:04 AM	54954.09	57.4	549540.87	57.4	549540.87	281838.29
12:26:00	12:26:00	45.7	60.4	46.9	45	4:05 AM	37153.52	55.7	371535.23	55.7	371535.23	48977.88
12:27:00	12:27:00	47.2	67.7	53.4	44.9	4:06 AM	52480.75	57.2	524807.46	57.2	524807.46	218776.16
12:28:00	12:28:00	48.1	69.8	55.8	45.2	4:07 AM	64565.42	58.1	645654.23	58.1	645654.23	380189.40
12:29:00	12:29:00	47.4	70	56.4	45.4	4:08 AM	54954.09	57.4	549540.87	57.4	549540.87	436515.83
12:30:00	12:30:00	46.6	65.2	52.1	45.5	4:09 AM	45708.82	56.6	457088.19	56.6	457088.19	162181.01
12:31:00	12:31:00	48.9	68	55.5	45.6	4:10 AM	77624.71	58.9	776247.12	58.9	776247.12	354813.39
12:32:00	12:32:00	47	66	53	45.6	4:11 AM	50118.72	57	501187.23	57.0	501187.23	199526.23
12:33:00	12:33:00	47.3	65.6	52.9	45.5	4:12 AM	53703.18	57.3	537031.80	57.3	537031.80	194984.46
12:34:00	12:34:00	48.6	77.4	55.6	45.7	4:13 AM	72443.60	58.6	724435.96	58.6	724435.96	363078.05
12:35:00	12:35:00	49.2	70.6	55.7	45.8	4:14 AM	83176.38	59.2	831763.77	59.2	831763.77	371535.23
12:36:00	12:36:00	49.2	69.9	57.1	45.8	4:15 AM	83176.38	59.2	831763.77	59.2	831763.77	512861.38
12:37:00	12:37:00	46.5	60.3	52.7	45.6	4:16 AM	44668.36	56.5	446683.59	56.5	446683.59	186208.71
12:38:00	12:38:00	50	74.6	60.1	46.2	4:17 AM	100000.00	60	1000000.00	60.0	1000000.00	1023292.99
12:39:00	12:39:00	47.9	67.9	54.7	46.1	4:18 AM	61659.50	57.9	616595.00	57.9	616595.00	295120.92
12:40:00	12:40:00	49.2	72.2	57.1	46.1	4:19 AM	83176.38	59.2	831763.77	59.2	831763.77	512861.38
12:41:00	12:41:00	48.8	70.9	56.5	45.6	4:20 AM	75857.76	58.8	758577.58	58.8	758577.58	446683.59
12:42:00	12:42:00	48.8	70.3	56.4	45.6	4:21 AM	75857.76	58.8	758577.58	58.8	758577.58	436515.83
12:43:00	12:43:00	47.3	69.3	54.9	45.7	4:22 AM	53703.18	57.3	537031.80	57.3	537031.80	309029.54
12:44:00	12:44:00	48.3	67.2	54.3	46.3	4:23 AM	67608.30	58.3	676082.98	58.3	676082.98	269153.48
12:45:00	12:45:00	50.2	72.5	58.3	45.9	4:24 AM	104712.85	60.2	1047128.55	60.2	1047128.55	676082.98
12:46:00	12:46:00	46.2	60.2	52.7	45.3	4:25 AM	41686.94	56.2	416869.38	56.2	416869.38	52480.75
12:47:00	12:47:00	47.9	67	54	45.8	4:26 AM	61659.50	57.9	616595.00	57.9	616595.00	251188.64
12:48:00	12:48:00	47.3	67.2	53.1	45.6	4:27 AM	53703.18	57.3	537031.80	57.3	537031.80	204173.79
12:49:00	12:49:00	48.1	71.7	55.5	45.5	4:28 AM	64565.42	58.1	645654.23	58.1	645654.23	354813.39
12:50:00	12:50:00	52.3	74.1	60.7	46.1	4:29 AM	169824.37	62.3	1698243.65	62.3	1698243.65	1174897.55
12:51:00	12:51:00	47.4	67.3	52.5	45.8	4:30 AM	54954.09	57.4	549540.87	57.4	549540.87	177827.94
12:52:00	12:52:00	48.6	67	54.1	46.1	4:31 AM	72443.60	58.6	724435.96	58.6	724435.96	257039.58
12:53:00	12:53:00	47.2	63.7	50.9	46.3	4:32 AM	52480.75	57.2	524807.46	57.2	524807.46	132026.88
12:54:00	12:54:00	49.4	71	57.6	46.3	4:33 AM	87096.36	59.4	870963.59	59.4	870963.59	575439.94
12:55:00	12:55:00	48	68	54.7	46	4:34 AM	63095.73	58	630957.34	58.0	630957.34	295120.92
12:56:00	12:56:00	50.4	78.1	59.6	46.5	4:35 AM	109647.82	60.4	1096478.20	60.4	1096478.20	91210.84
12:57:00	12:57:00	48.7	69.7	56.5	46.1	4:36 AM	74131.02	58.7	741310.24	58.7	741310.24	446683.59
12:58:00	12:58:00	49.4	69.4	55.7	45.9	4:37 AM	87096.36	59.4	870963.59	59.4	870963.59	371535.23
12:59:00	12:59:00	49.6	71.1	58	46	4:38 AM	91201.08	59.6	912010.84	59.6	912010.84	630957.34
13:00:00	13:00:00	52.5	75.1	60.2	46.4	4:39 AM	177827.94	62.5	1778279.41	62.5	1778279.41	1047128.55
13:01:00	13:01:00	48	65.9	53.4	46.1	4:40 AM	63095.73	58	630957.34	58.0	630957.34	218776.16
13:02:00	13:02:00	50.4	76.6	59.2	45.8	4:41 AM	109647.82	60.4	1096478.20	60.4	1096478.20	831763.77
13:03:00	13:03:00	49.3	75.3	56.3	45.6	4:42 AM	85113.04	59.3	851138.04	59.3	851138.04	426579.52
13:04:00	13:04:00	47.1	67.4	51.8	45.7	4:43 AM	51286.14	57.1	512861.38	57.1	512861.38	151356.12
13:05:00	13:05:00	49.7	70.6	57.1	45.9	4:44 AM	93325.43	59.7	933254.30	59.7	933254.30	512861.38
13:06:00	13:06:00	49.8	70.3	56.7	46.3	4:45 AM	95499.26	59.8	954992.59	59.8	954992.59	467735.14
13:07:00	13:07:00	55.7	81.3	67.5	46.1	4:46 AM	371535.23	65.7	3715352.29	65.7	3715352.29	5623413.25
13:08:00	13:08:00	49.9	68	64	45.1	4:47 AM	97723.72	59.9	977237.22	59.9	977237.22	2511886.43
13:09:00	13:09:00	47	65.2	53	44.6	4:48 AM	50118.72	57	501187.23	57.0	501187.23	199526.23
13:10:00	13:10:00	54.5	75	61.8	46.3	4:49 AM	281838.29	64.5	2818382.93	64.5	2818382.93	1513561.25
13:11:00	13:11:00	47.4	66.8	53.3	45.2	4:50 AM	54954.09	57.4	549540.87	57.4	549540.87	213796.21
13:12:00	13:12:00	50.4	71.6	57.2	45	4:51 AM	109647.82	60.4	1096478.20	60.4	1096478.20	524807.46
13:13:00	13:13:00	46.6	62.8	53.4	45.1	4:52 AM	45708.82	56.6	457088.19	56.6	457088.19	218776.16
13:14:00	13:14:00	48.2	69	54.6	45.7	4:53 AM	66069.34	58.2	660693.45	58.2	660693.45	288403.15
13:15:00	13:15:00	49.4	75.7	54.2	45.6	4:54 AM	87096.36	59.4	870963.59	59.4	870963.59	263026.80
13:16:00	13:16:00	49.7	70.4	57.3	45.9	4:55 AM	93325.43	59.7	933254.30	59.7	933254.30	537031.80
13:17:00	13:17:00	54.3	75.9	63	46.1	4:56 AM	269153.48	64.3	2691534.80	64.3	2691534.80	1995262.31
13:18:00	13:18:00	48.4	76.3	55.3	45.5	4:57 AM	69183.07	58.4	691830.97	58.4	691830.97	338844.16
13:19:00	13:19:00	49.1	69.3	54.8	45.5	4:58 AM	81283.05	59.1	812830.52	59.1	812830.52	301995.17
13:20:00	13:20:00	51.1	73.1	60.5	45.5	4:59 AM	128824.96	61.1	1288249.55	61.1	1288249.55	1122018.45
13:21:00	13:21:00	57.2	80.1	67.3	45.9	5:00 AM	524807.46	67.2	5248074.60	67.2	5248074.60	5370317.96
13:22:00	13:22:00	52.1	79.7	61.7	46.6	5:01 AM	162181.01	62.1	1621810.10	62.1	1621810.10	1479108.39
13:23:00	13:23:00	48	66.4	53.2	45.6	5:02 AM	63095.73	58	630957.34	58.0	630957.34	208929.61
13:24:00	13:24:00	50	73	56.6	45.3	5:03 AM	100000.00	60	1000000.00	60.0	1000000.00	457088.19
13:25:00	13:25:00	50.4	70.2	57.4	45.6	5:04 AM	109647.82	60.4	1096478.20	60.4	1096478.20	549540.87
13:26:00	13:26:00	48.3	68.4	55.3	45.2	5:05 AM	67608.30	58.3	676082.98	58.3	676082.98	338844.16
13:27:00	13:27:00	48.1	69.2	54.3	45.1	5:06 AM	64565.42	58.1	645654.23	58.1	645654.23	269153.48
13:28:00	13:28:00	46.5	68.4	52.5	45.1	5:07 AM	44668.36	56.5	446683.59	56.5	446683.59	177827.94
13:29:00	13:29:00	49.1	67.4	54	45.1	5:08 AM	81283.05	59.1	812830.52	59.1	812830.52	251188.64
13:30:00	13:30:00	55.1	82.1	65.7	45.5	5:09 AM	323593.66	65.1	3235936.57	65.1	3235936.57	3715352.29
13:31:00	13:31:00	48.6	68.2	54.6	44.4	5:10 AM	72443.60	58.6	724435.96	58.6	724435.96	288403.15
13:32:00	13:32:00	49.2	69	56.2	45	5:11 AM	83176.3					

Data

13:56:00	13:56:00	51.1	75.2	57.5	46.2	5:35 AM	128824.96	61.1	1288249.55	61.1	1288249.55	562341.33
13:57:00	13:57:00	55.4	78.9	66	46.4	5:36 AM	346736.85	65.4	3467368.50	65.4	3467368.50	3981071.71
13:58:00	13:58:00	50.5	70.6	56.3	46.3	5:37 AM	112201.85	60.5	1122018.45	60.5	1122018.45	426579.52
13:59:00	13:59:00	56	79.2	66.4	47.1	5:38 AM	398107.17	66	3981071.71	66.0	3981071.71	4365158.32
14:00:00	14:00:00	53.5	75.8	61.3	46.5	5:39 AM	223872.11	63.5	2238721.14	63.5	2238721.14	1348962.88
14:01:00	14:01:00	53.8	76.8	61.6	46.7	5:40 AM	239883.29	63.8	2398832.92	63.8	2398832.92	1445439.77
14:02:00	14:02:00	54.7	78	61.9	46.4	5:41 AM	295120.92	64.7	2951209.23	64.7	2951209.23	1548816.62
14:03:00	14:03:00	51.6	76.1	57.6	46.7	5:42 AM	144543.98	61.6	1445439.77	61.6	1445439.77	575439.94
14:04:00	14:04:00	56.6	86.3	64.3	46.8	5:43 AM	457088.19	66.6	4570881.90	66.6	4570881.90	2691534.80
14:05:00	14:05:00	51.8	77.2	57.7	46.5	5:44 AM	151356.12	61.8	1513561.25	61.8	1513561.25	588843.66
14:06:00	14:06:00	54.6	76.4	61.7	47.6	5:45 AM	288403.15	64.6	2884031.50	64.6	2884031.50	1479108.39
14:07:00	14:07:00	54.1	79.2	62.5	46.8	5:46 AM	257039.58	64.1	2570395.78	64.1	2570395.78	1778279.41
14:08:00	14:08:00	56.5	77.8	64.9	48.4	5:47 AM	446683.59	66.5	4466835.92	66.5	4466835.92	3090295.43
14:09:00	14:09:00	52.3	69.5	56.7	46.3	5:48 AM	169824.37	62.3	1698243.65	62.3	1698243.65	467735.14
14:10:00	14:10:00	53.9	73.3	60.5	46.9	5:49 AM	245470.89	63.9	2454708.92	63.9	2454708.92	1122018.45
14:11:00	14:11:00	52.4	71.1	58	47	5:50 AM	173780.08	62.4	1737800.83	62.4	1737800.83	630957.34
14:12:00	14:12:00	54.3	79.3	59.2	49.1	5:51 AM	269153.48	64.3	2691534.80	64.3	2691534.80	831763.77
14:13:00	14:13:00	55.2	75.5	61.5	48.9	5:52 AM	331131.12	65.2	3311311.21	65.2	3311311.21	1412537.54
14:14:00	14:14:00	54.1	76.6	58.6	48.6	5:53 AM	257039.58	64.1	2570395.78	64.1	2570395.78	724435.96
14:15:00	14:15:00	52	71.8	56.4	47.9	5:54 AM	158489.32	62	1584893.19	62.0	1584893.19	436515.83
14:16:00	14:16:00	54.9	77	64.2	46.9	5:55 AM	309029.54	64.9	3090295.43	64.9	3090295.43	2630267.99
14:17:00	14:17:00	55.1	76.1	63.3	46.6	5:56 AM	323593.66	65.1	3235936.57	65.1	3235936.57	2137962.09
14:18:00	14:18:00	53	79.3	60.3	46.4	5:57 AM	199526.23	63	1995262.31	63.0	1995262.31	1071519.31
14:19:00	14:19:00	58.5	80.6	68.1	47.1	5:58 AM	707945.78	68.5	7079457.84	68.5	7079457.84	6456542.29
14:20:00	14:20:00	53.5	81.3	61.2	47.1	5:59 AM	223872.11	63.5	2238721.14	63.5	2238721.14	1318256.74
14:21:00	14:21:00	49.4	68.1	56.4	46.1	6:00 AM	87096.36	59.4	870963.59	59.4	870963.59	436515.83
14:22:00	14:22:00	49.8	72.4	59	45.8	6:01 AM	95499.26	59.8	954992.59	59.8	954992.59	794328.23
14:23:00	14:23:00	53.4	74.1	61.6	45.9	6:02 AM	218776.16	63.4	2187761.62	63.4	2187761.62	1445439.77
14:24:00	14:24:00	54.2	75.5	58.2	46.3	6:03 AM	263026.80	64.2	2630267.99	64.2	2630267.99	660693.45
14:25:00	14:25:00	56.3	78	63.3	46.9	6:04 AM	426579.52	66.3	4265795.19	66.3	4265795.19	2137962.09
14:26:00	14:26:00	52.8	71.6	58.6	46.6	6:05 AM	190546.07	62.8	1905460.72	62.8	1905460.72	724435.96
14:27:00	14:27:00	56.2	78.2	64.9	46.3	6:06 AM	416869.38	66.2	4168693.83	66.2	4168693.83	3090295.43
14:28:00	14:28:00	56	78.6	64.9	46.7	6:07 AM	398107.17	66	3981071.71	66.0	3981071.71	3090295.43
14:29:00	14:29:00	53.7	76.5	63.7	45.9	6:08 AM	234422.88	63.7	2344228.82	63.7	2344228.82	2344228.82
14:30:00	14:30:00	53.4	73	58	46.1	6:09 AM	218776.16	63.4	2187761.62	63.4	2187761.62	630957.34
14:31:00	14:31:00	49.6	70.9	57.8	46.5	6:10 AM	91201.08	59.6	912010.84	59.6	912010.84	602559.59
14:32:00	14:32:00	49.6	72	55.7	46.2	6:11 AM	91201.08	59.6	912010.84	59.6	912010.84	371535.23
14:33:00	14:33:00	50	72.4	58.4	45.9	6:12 AM	1000000.00	60	1000000.00	60.0	1000000.00	691830.97
14:34:00	14:34:00	54.2	77.7	63	46.6	6:13 AM	263026.80	64.2	2630267.99	64.2	2630267.99	1995262.31
14:35:00	14:35:00	51.5	70.6	56.3	47.2	6:14 AM	141253.75	61.5	1412537.54	61.5	1412537.54	426579.52
14:36:00	14:36:00	56.8	76.7	64.2	47.2	6:15 AM	478630.09	66.8	4786300.92	66.8	4786300.92	2630267.99
14:37:00	14:37:00	62.8	87.3	75	46.4	6:16 AM	1905460.72	72.8	19054607.18	72.8	19054607.18	31622776.60
14:38:00	14:38:00	49.2	69.3	55.9	46.1	6:17 AM	83176.38	59.2	831763.77	59.2	831763.77	389045.14
14:39:00	14:39:00	49.3	71	56.8	45.2	6:18 AM	85113.80	59.3	851138.04	59.3	851138.04	478630.09
14:40:00	14:40:00	55.5	75.5	62.2	46.6	6:19 AM	354813.39	65.5	3548133.89	65.5	3548133.89	1659586.91
14:41:00	14:41:00	57	79.6	66.9	49.3	6:20 AM	501187.23	67	5011872.34	67.0	5011872.34	4897788.19
14:42:00	14:42:00	53.2	76.4	60.4	45.6	6:21 AM	208929.61	63.2	2089296.13	63.2	2089296.13	1096478.20
14:43:00	14:43:00	56.6	78.2	64.9	49.4	6:22 AM	457088.19	66.6	4570881.90	66.6	4570881.90	3090295.43
14:44:00	14:44:00	54.9	77.1	65.1	46.8	6:23 AM	309029.54	64.9	3090295.43	64.9	3090295.43	3235936.57
14:45:00	14:45:00	53.8	80.6	65.6	46.4	6:24 AM	239883.29	63.8	2398832.92	63.8	2398832.92	3630780.55
14:46:00	14:46:00	57.1	78.8	65.9	46.7	6:25 AM	512861.38	67.1	5128613.84	67.1	5128613.84	3890451.45
14:47:00	14:47:00	51.6	73	60	46.7	6:26 AM	144543.98	61.6	1445439.77	61.6	1445439.77	1000000.00
14:48:00	14:48:00	55	80.5	61.8	46.5	6:27 AM	316227.77	65	3162277.66	65.0	3162277.66	1513561.25
14:49:00	14:49:00	53.2	79.6	60.7	47.9	6:28 AM	208929.61	63.2	2089296.13	63.2	2089296.13	1174897.55
14:50:00	14:50:00	54.6	81.7	61.5	46.9	6:29 AM	288403.15	64.6	2884031.50	64.6	2884031.50	1412537.54
14:51:00	14:51:00	55	78.5	64.4	46.4	6:30 AM	316227.77	65	3162277.66	65.0	3162277.66	2754228.70
14:52:00	14:52:00	51.9	73.5	57.8	46.2	6:31 AM	154881.66	61.9	1548816.62	61.9	1548816.62	602559.59
14:53:00	14:53:00	50.2	71.1	58.2	46.3	6:32 AM	1047128.85	60.2	1047128.85	60.2	1047128.85	660693.45
14:54:00	14:54:00	58.1	89	67.3	46.5	6:33 AM	645654.23	68.1	6456542.29	68.1	6456542.29	5370317.96
14:55:00	14:55:00	51.7	74.5	61.6	46.2	6:34 AM	147910.84	61.7	1479108.39	61.7	1479108.39	1445439.77
14:56:00	14:56:00	54	73.4	57.9	47.7	6:35 AM	251188.64	64	2511886.43	64.0	2511886.43	616950.00
14:57:00	14:57:00	57.8	78.7	65	47	6:36 AM	602559.59	67.8	6025595.86	67.8	6025595.86	3162277.66
14:58:00	14:58:00	53.6	77.3	58.1	46.4	6:37 AM	229086.77	63.6	2290867.65	63.6	2290867.65	645654.23
14:59:00	14:59:00	50.5	72.9	58.2	45.6	6:38 AM	112201.85	60.5	1122018.45	60.5	1122018.45	660693.45
15:00:00	15:00:00	55.3	78.1	63	46.6	6:39 AM	338844.16	65.3	3388441.56	65.3	3388441.56	1995262.31
15:01:00	15:01:00	55.3	76.6	63.3	46.8	6:40 AM	338844.16	65.3	3388441.56	65.3	3388441.56	2137962.09
15:02:00	15:02:00	55.8	78.5	65.2	46.2	6:41 AM	380189.40	65.8	3801893.96	65.8	3801893.96	3311311.21
15:03:00	15:03:00	55.8	79.4	65.9	47.1	6:42 AM	380189.40	65.8	3801893.96	65.8	3801893.96	3890451.45
15:04:00	15:04:00	52.7	71.8	58.7	46.5	6:43 AM	186208.71	62.7	1862087.14	62.7	1862087.14	741310.24
15:05:00	15:05:00	52.4	77.9	58.2	47.7	6:44 AM	173780.08	62.4	1737800.83	62.4	1737800.83	660693.45
15:06:00	15:06:00	54.7	74.7	59.5	48.1	6:45 AM	295120.92	64.7	2951209.23	64.7	2951209.23	891250.94
15:07:00	15:07:00	55.8	76.7	64.2	47.3	6:46 AM	380189.40	65.8	3801893.96	65.8	3801893.96	2630267.99
15:08:00	15:08:00	57.9	78.8	65.7	46.9	6:47 AM	616595.00	67.9	6165950.02	67.9	6165950.02	3715352.29
15:09:00	15:09:00	57.7	77.7	64.2	46.6	6:48 AM	588843.66	67.7	5888436.55	67.7	5888436.55	2630267.99
15:10:00	15:10:00	60.5	82.2	67.8	49.3	6:49 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	6025595.86
15:11:00	15:11:00	53.3	74.1	61.6	47.4	6:50 AM	213796.21	63.3	2137962.09	63.3	2137962.09	1445439.77
15:12:00	15:12:00	55.6	78.5	64.7	46	6:51 AM	363078.05	65.6	3630780.55	65.6	3630780.55	2951209.23
15:13:00	15:13:00	57.2	79	66.3	47.3	6:52 AM	524807.46	67.2	5248074.60	67.2	5248074.60	4265795.19
15:14:00	15:14:00	55.7	77.2	62.9	46.8	6:53 AM	371535.23	65.7	3715352.29	65.7	3715352.29	1949844.60
15:15:00	15:15:00	58.2	79.8	65.7	47.6	6:54 AM	660693.45	68.2	6606934.48	68.2	6606934.48	3715352.29

15:41:00	15:41:00	55.1	75.5	62.4	47.7	7:20 AM	323593.66	55.1	323593.66	55.1	323593.66	1737800.83
15:42:00	15:42:00	54.4	72.5	59.6	47.6	7:21 AM	275422.87	54.4	275422.87	54.4	275422.87	912010.84
15:43:00	15:43:00	58	80	66.9	48.6	7:22 AM	630957.34	58	630957.34	58.0	630957.34	4897788.19
15:44:00	15:44:00	60	82.3	67.8	52	7:23 AM	1000000.00	60	1000000.00	60.0	1000000.00	6025595.86
15:45:00	15:45:00	58.3	81.8	67.6	48	7:24 AM	676082.98	58.3	676082.98	58.3	676082.98	5754399.37
15:46:00	15:46:00	54.3	72.4	59.4	48.3	7:25 AM	269153.48	54.3	269153.48	54.3	269153.48	870963.59
15:47:00	15:47:00	54.6	75.6	62.2	49.6	7:26 AM	288403.15	54.6	288403.15	54.6	288403.15	1659586.91
15:48:00	15:48:00	54.1	72.1	58	48.6	7:27 AM	257039.58	54.1	257039.58	54.1	257039.58	630957.34
15:49:00	15:49:00	54.3	74.1	62	47.9	7:28 AM	269153.48	54.3	269153.48	54.3	269153.48	1584893.19
15:50:00	15:50:00	56	76.2	62.7	48.1	7:29 AM	398107.17	56	398107.17	56.0	398107.17	1862087.14
15:51:00	15:51:00	56.6	76.7	64.4	49.1	7:30 AM	457088.19	56.6	457088.19	56.6	457088.19	2754228.70
15:52:00	15:52:00	57.4	81.2	64.6	48.3	7:31 AM	549540.87	57.4	549540.87	57.4	549540.87	2884031.50
15:53:00	15:53:00	55.4	78.5	65	47.9	7:32 AM	346736.85	55.4	346736.85	55.4	346736.85	3162277.66
15:54:00	15:54:00	58.2	85.3	66.9	48.2	7:33 AM	660693.45	58.2	660693.45	58.2	660693.45	4897788.19
15:55:00	15:55:00	55.7	78.1	64.3	49.9	7:34 AM	371535.23	55.7	371535.23	55.7	371535.23	2691534.80
15:56:00	15:56:00	58.2	77.2	65.5	49.1	7:35 AM	660693.45	58.2	660693.45	58.2	660693.45	3548133.89
15:57:00	15:57:00	60.8	80.3	67.4	52.5	7:36 AM	1202264.43	60.8	1202264.43	60.8	1202264.43	5495408.74
15:58:00	15:58:00	55.3	74	60.7	50.1	7:37 AM	338844.16	55.3	338844.16	55.3	338844.16	1174897.55
15:59:00	15:59:00	59.8	83.5	67.2	50.5	7:38 AM	954992.59	59.8	954992.59	59.8	954992.59	5248074.60
16:00:00	16:00:00	59.2	78.3	65.1	50.4	7:39 AM	831763.77	59.2	831763.77	59.2	831763.77	3235936.57
16:01:00	16:01:00	61.2	86.7	71.3	53.9	7:40 AM	1318256.74	61.2	1318256.74	61.2	1318256.74	13489628.83
16:02:00	16:02:00	71.8	107.1	88.8	50.2	7:41 AM	15135612.48	71.8	15135612.48	71.8	15135612.48	758577575.03
16:03:00	16:03:00	59.8	79.7	66.3	51.9	7:42 AM	954992.59	59.8	954992.59	59.8	954992.59	4265795.19
16:04:00	16:04:00	57.2	76.2	63	49.9	7:43 AM	524807.46	57.2	524807.46	57.2	524807.46	1995262.31
16:05:00	16:05:00	56.8	78.8	65.8	49.4	7:44 AM	478630.09	56.8	478630.09	56.8	478630.09	3801893.96
16:06:00	16:06:00	59.9	79.5	67.5	50.3	7:45 AM	977237.22	59.9	977237.22	59.9	977237.22	5623413.25
16:07:00	16:07:00	59	81.6	68.8	50.6	7:46 AM	794328.23	59	794328.23	59.0	794328.23	7585775.75
16:08:00	16:08:00	56.9	76.1	62.3	50.3	7:47 AM	489778.82	56.9	489778.82	56.9	489778.82	1698243.65
16:09:00	16:09:00	59	80.7	66.9	49.5	7:48 AM	794328.23	59	794328.23	59.0	794328.23	4897788.19
16:10:00	16:10:00	61.1	80.2	67	52.9	7:49 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	5011872.34
16:11:00	16:11:00	56.6	75.6	62.5	51.7	7:50 AM	457088.19	56.6	457088.19	56.6	457088.19	1778279.41
16:12:00	16:12:00	57.4	76.4	63.7	48.5	7:51 AM	549540.87	57.4	549540.87	57.4	549540.87	2344228.82
16:13:00	16:13:00	59.9	86.4	71.2	49.7	7:52 AM	977237.22	59.9	977237.22	59.9	977237.22	13182567.39
16:14:00	16:14:00	62.2	92	72.7	52.4	7:53 AM	1659586.91	62.2	1659586.91	62.2	1659586.91	18620871.37
16:15:00	16:15:00	58.3	76.7	64.5	49.4	7:54 AM	676082.98	58.3	676082.98	58.3	676082.98	2818382.93
16:16:00	16:16:00	59.3	80.2	66.5	51.9	7:55 AM	851138.04	59.3	851138.04	59.3	851138.04	4466835.92
16:17:00	16:17:00	57.9	77.3	64.9	49.8	7:56 AM	616595.00	57.9	616595.00	57.9	616595.00	3090295.43
16:18:00	16:18:00	60.1	79	66.1	50.1	7:57 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	4073802.78
16:19:00	16:19:00	59.7	77.1	64.2	51.5	7:58 AM	933254.30	59.7	933254.30	59.7	933254.30	2630267.99
16:20:00	16:20:00	59.2	79.1	65.6	51	7:59 AM	831763.77	59.2	831763.77	59.2	831763.77	3630780.55
16:21:00	16:21:00	60.6	88.9	67.7	51.3	8:00 AM	1148153.62	60.6	1148153.62	60.6	1148153.62	5888436.55
16:22:00	16:22:00	57.3	75.3	62.5	48.8	8:01 AM	537031.80	57.3	537031.80	57.3	537031.80	1778279.41
16:23:00	16:23:00	58.6	80.8	67.5	51.7	8:02 AM	724435.96	58.6	724435.96	58.6	724435.96	5623413.25
16:24:00	16:24:00	56.6	77.4	62.8	50.4	8:03 AM	457088.19	56.6	457088.19	56.6	457088.19	1905460.72
16:25:00	16:25:00	59	78.1	66.1	48.4	8:04 AM	794328.23	59	794328.23	59.0	794328.23	4073802.78
16:26:00	16:26:00	58.1	78.7	66.5	50.5	8:05 AM	645654.23	58.1	645654.23	58.1	645654.23	4466835.92
16:27:00	16:27:00	57.5	81.7	67.4	48.6	8:06 AM	562341.33	57.5	562341.33	57.5	562341.33	5495408.74
16:28:00	16:28:00	61.5	82.8	69.4	48.5	8:07 AM	1412537.54	61.5	1412537.54	61.5	1412537.54	8709635.90
16:29:00	16:29:00	61.4	86.2	73.7	48.1	8:08 AM	1380384.26	61.4	1380384.26	61.4	1380384.26	23442288.15
16:30:00	16:30:00	64.5	92.5	76.7	50.7	8:09 AM	2818382.93	64.5	2818382.93	64.5	2818382.93	46773514.13
16:31:00	16:31:00	54.3	73.4	60	49.1	8:10 AM	269153.48	54.3	269153.48	54.3	269153.48	1000000.00
16:32:00	16:32:00	53.3	74	59.5	47.2	8:11 AM	213796.21	53.3	213796.21	53.3	213796.21	891250.94
16:33:00	16:33:00	56.3	86.7	63.5	48.7	8:12 AM	426579.52	56.3	426579.52	56.3	426579.52	2238721.14
16:34:00	16:34:00	57.9	82.5	68.6	47.5	8:13 AM	616595.00	57.9	616595.00	57.9	616595.00	7244359.60
16:35:00	16:35:00	58.5	85.6	70.4	47.5	8:14 AM	707945.78	58.5	707945.78	58.5	707945.78	10964781.96
16:36:00	16:36:00	59	80.9	69.7	47.9	8:15 AM	794328.23	59	794328.23	59.0	794328.23	9332543.01
16:37:00	16:37:00	57	75.3	63.2	49.6	8:16 AM	501187.23	57	501187.23	57.0	501187.23	2089296.13
16:38:00	16:38:00	60.1	81.2	68.3	50	8:17 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	6760829.75
16:39:00	16:39:00	58.8	81.4	67.5	47.3	8:18 AM	758577.58	58.8	758577.58	58.8	758577.58	5623413.25
16:40:00	16:40:00	59.6	78.6	64.5	49.3	8:19 AM	912010.84	59.6	912010.84	59.6	912010.84	2818382.93
16:41:00	16:41:00	59.7	82.7	68.6	50.2	8:20 AM	933254.30	59.7	933254.30	59.7	933254.30	7244359.60
16:42:00	16:42:00	58.2	81.1	67.9	48.3	8:21 AM	660693.45	58.2	660693.45	58.2	660693.45	6165950.02
16:43:00	16:43:00	59.1	80.1	67.4	47.4	8:22 AM	812830.52	59.1	812830.52	59.1	812830.52	5495408.74
16:44:00	16:44:00	57.5	77.2	62	52.9	8:23 AM	562341.33	57.5	562341.33	57.5	562341.33	1584893.19
16:45:00	16:45:00	58.6	77.8	64.3	50.5	8:24 AM	724435.96	58.6	724435.96	58.6	724435.96	2691534.80
16:46:00	16:46:00	57.6	76.3	63.4	50	8:25 AM	575439.94	57.6	575439.94	57.6	575439.94	2187761.62
16:47:00	16:47:00	57.1	76.5	63.1	50.5	8:26 AM	512861.38	57.1	512861.38	57.1	512861.38	2041737.94
16:48:00	16:48:00	57.5	78.3	64.6	48.4	8:27 AM	562341.33	57.5	562341.33	57.5	562341.33	2884031.50
16:49:00	16:49:00	59.3	86	65.7	50.8	8:28 AM	851138.04	59.3	851138.04	59.3	851138.04	3715352.29
16:50:00	16:50:00	61.9	83.2	69.3	49.2	8:29 AM	1548816.62	61.9	1548816.62	61.9	1548816.62	8511380.38
16:51:00	16:51:00	58.6	81.8	68.7	48.1	8:30 AM	724435.96	58.6	724435.96	58.6	724435.96	7413102.41
16:52:00	16:52:00	58.2	78.3	63.6	48.4	8:31 AM	660693.45	58.2	660693.45	58.2	660693.45	2290867.65
16:53:00	16:53:00	58	76.8	63.7	51.6	8:32 AM	630957.34	58	630957.34	58.0	630957.34	2344228.82
16:54:00	16:54:00	56.2	76.5	63.7	48.2	8:33 AM	416869.38	56.2	416869.38	56.2	416869.38	2344228.82
16:55:00	16:55:00	59	76.8	64.1	50.6	8:34 AM	794328.23	59	794328.23	59.0	794328.23	2570395.78
16:56:00	16:56:00	54.9	73.9	61.9	48.6	8:35 AM	309029.54	54.9	309029.54	54.9	309029.54	1548816.62
16:57:00	16:57:00	58	80.4	67.4	50.1	8:36 AM	630957.34	58	630957.34	58.0	630957.34	5495408.74
16:58:00	16:58:00	57.5	78.4	64.7	47.8	8:37 AM	562341.33	57.5	562341.33	57.5	562341.33	2951209.23
16:59:00	16:59:00	58.1	76.9	63.9	50.4	8:38 AM	645654.23	58.1	645654.23	58.1	645654.23	2454708.92
17:00:00	17:00:00	55.3	74.6	61.6	46.7	8:39 AM	338844.16	55.3	338844.16	55.3	338844.16	1445439.77
17:01:00	17:01:00	61.3	81	68	55.4	8:40 AM	1348962.88	61.3	134896			

17:26:00	17:26:00	62.5	89.8	75.1	47.9	9:05 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	32359365.69
17:27:00	17:27:00	61.1	80.3	67.6	51.7	9:06 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	5754399.37
17:28:00	17:28:00	58.3	85.1	66.1	48.3	9:07 AM	676082.98	58.3	676082.98	58.3	676082.98	4073802.78
17:29:00	17:29:00	59.1	78	66	47.5	9:08 AM	812830.52	59.1	812830.52	59.1	812830.52	3981071.71
17:30:00	17:30:00	62.5	82.8	71.4	50.7	9:09 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	13803842.65
17:31:00	17:31:00	60.5	81.9	69.4	50.1	9:10 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	8709635.90
17:32:00	17:32:00	58.3	81.1	65.1	50.3	9:11 AM	676082.98	58.3	676082.98	58.3	676082.98	3235936.57
17:33:00	17:33:00	67	90.3	78.4	49.4	9:12 AM	5011872.34	67	5011872.34	67.0	5011872.34	69183097.09
17:34:00	17:34:00	59.2	77.8	64.9	50.7	9:13 AM	831763.77	59.2	831763.77	59.2	831763.77	3090295.43
17:35:00	17:35:00	57.3	78.3	65.2	49.5	9:14 AM	537031.80	57.3	537031.80	57.3	537031.80	3311311.21
17:36:00	17:36:00	55.7	73.9	61.7	48.7	9:15 AM	371535.23	55.7	371535.23	55.7	371535.23	1479108.39
17:37:00	17:37:00	56.4	77.8	64.9	47	9:16 AM	436515.83	56.4	436515.83	56.4	436515.83	3090295.43
17:38:00	17:38:00	56.9	76.7	63.8	46.6	9:17 AM	489778.82	56.9	489778.82	56.9	489778.82	2398832.92
17:39:00	17:39:00	57.7	82.7	66.4	47.9	9:18 AM	588843.66	57.7	588843.66	57.7	588843.66	4365158.32
17:40:00	17:40:00	56.1	75.9	62.8	51	9:19 AM	407380.28	56.1	407380.28	56.1	407380.28	1905460.72
17:41:00	17:41:00	57.8	79	65.1	47	9:20 AM	602559.59	57.8	602559.59	57.8	602559.59	3235936.57
17:42:00	17:42:00	55.5	78.2	64.7	47.2	9:21 AM	354813.39	55.5	354813.39	55.5	354813.39	2951209.23
17:43:00	17:43:00	54.1	71.8	59.1	47.5	9:22 AM	257039.58	54.1	257039.58	54.1	257039.58	812830.52
17:44:00	17:44:00	58	79.7	66.6	48.2	9:23 AM	630957.34	58	630957.34	58.0	630957.34	4570881.90
17:45:00	17:45:00	57.3	76.9	63.4	48.3	9:24 AM	537031.80	57.3	537031.80	57.3	537031.80	2187761.62
17:46:00	17:46:00	56.4	76.2	64	48.6	9:25 AM	436515.83	56.4	436515.83	56.4	436515.83	2511886.43
17:47:00	17:47:00	58.1	79.3	65.7	50.1	9:26 AM	645654.23	58.1	645654.23	58.1	645654.23	3715352.29
17:48:00	17:48:00	56.6	78.7	63.3	50.4	9:27 AM	457088.19	56.6	457088.19	56.6	457088.19	2137962.09
17:49:00	17:49:00	53.7	73.8	60.1	46.7	9:28 AM	234422.88	53.7	234422.88	53.7	234422.88	1023292.99
17:50:00	17:50:00	53.6	74.6	57.5	49.7	9:29 AM	229086.77	53.6	229086.77	53.6	229086.77	562341.33
17:51:00	17:51:00	62.3	80.4	67.3	49.6	9:30 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	5370317.96
17:52:00	17:52:00	54.2	74.1	64	46.7	9:31 AM	263026.80	54.2	263026.80	54.2	263026.80	2511886.43
17:53:00	17:53:00	54.5	72.1	58.5	46.9	9:32 AM	281838.29	54.5	281838.29	54.5	281838.29	707945.78
17:54:00	17:54:00	61.1	83.1	69.2	49.1	9:33 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	8317637.71
17:55:00	17:55:00	57.7	80.5	67.1	49	9:34 AM	588843.66	57.7	588843.66	57.7	588843.66	5128613.84
17:56:00	17:56:00	58.7	81.1	67.7	48.3	9:35 AM	741310.24	58.7	741310.24	58.7	741310.24	5888436.55
17:57:00	17:57:00	54.2	74.5	61.4	47.1	9:36 AM	263026.80	54.2	263026.80	54.2	263026.80	1380384.26
17:58:00	17:58:00	58.1	83.9	68.7	48.8	9:37 AM	645654.23	58.1	645654.23	58.1	645654.23	7413102.41
17:59:00	17:59:00	55.6	76.9	63.2	46.7	9:38 AM	363078.05	55.6	363078.05	55.6	363078.05	2089296.13
18:00:00	18:00:00	55.4	76.4	63.5	48.2	9:39 AM	346736.85	55.4	346736.85	55.4	346736.85	2238721.14
18:01:00	18:01:00	55	76.1	62.7	48.2	9:40 AM	316227.77	55	316227.77	55.0	316227.77	1862087.14
18:02:00	18:02:00	57.4	79.7	66.6	50.9	9:41 AM	549540.87	57.4	549540.87	57.4	549540.87	4570881.90
18:03:00	18:03:00	58.5	80.1	66.6	47.5	9:42 AM	707945.78	58.5	707945.78	58.5	707945.78	4570881.90
18:04:00	18:04:00	59.3	78.6	65	49	9:43 AM	851138.04	59.3	851138.04	59.3	851138.04	3162277.66
18:05:00	18:05:00	53.3	76.5	61	47.7	9:44 AM	213796.21	53.3	213796.21	53.3	213796.21	1258925.41
18:06:00	18:06:00	56.9	77.9	64.4	47.3	9:45 AM	489778.82	56.9	489778.82	56.9	489778.82	2754228.70
18:07:00	18:07:00	53.9	77.2	62.4	47	9:46 AM	245470.89	53.9	245470.89	53.9	245470.89	1737800.83
18:08:00	18:08:00	57.4	79.2	64.9	49	9:47 AM	549540.87	57.4	549540.87	57.4	549540.87	3090295.43
18:09:00	18:09:00	57.4	76.3	63	50.4	9:48 AM	549540.87	57.4	549540.87	57.4	549540.87	1995262.31
18:10:00	18:10:00	58.5	78.1	64.4	49.5	9:49 AM	707945.78	58.5	707945.78	58.5	707945.78	2754228.70
18:11:00	18:11:00	54.7	73.4	60.1	46.7	9:50 AM	295120.92	54.7	295120.92	54.7	295120.92	1023292.99
18:12:00	18:12:00	54	72.8	60.4	46.9	9:51 AM	251188.64	54	251188.64	54.0	251188.64	1096478.20
18:13:00	18:13:00	58.2	82.7	68.7	48.5	9:52 AM	660693.45	58.2	660693.45	58.2	660693.45	7413102.41
18:14:00	18:14:00	55.9	74.8	62.1	49	9:53 AM	389045.14	55.9	389045.14	55.9	389045.14	1621810.10
18:15:00	18:15:00	57	78.1	63.5	48.2	9:54 AM	501187.23	57	501187.23	57.0	501187.23	2238721.14
18:16:00	18:16:00	54.8	72.8	60.1	48.5	9:55 AM	301995.17	54.8	301995.17	54.8	301995.17	1023292.99
18:17:00	18:17:00	57	81.6	65.6	49.7	9:56 AM	501187.23	57	501187.23	57.0	501187.23	3630780.55
18:18:00	18:18:00	64	83.1	68.6	52.3	9:57 AM	2511886.43	64	2511886.43	64.0	2511886.43	7244359.60
18:19:00	18:19:00	60.1	88.6	72.6	49.3	9:58 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	18197008.59
18:20:00	18:20:00	55.4	80.9	64.2	47.3	9:59 AM	346736.85	55.4	346736.85	55.4	346736.85	2630267.99
18:21:00	18:21:00	56.7	80.9	66.1	48.1	10:00 AM	467735.14	56.7	467735.14	56.7	467735.14	4073802.78
18:22:00	18:22:00	53.6	72.7	58.4	48.3	10:01 AM	229086.77	53.6	229086.77	53.6	229086.77	691830.97
18:23:00	18:23:00	59.5	80.7	66.9	49.1	10:02 AM	891250.94	59.5	891250.94	59.5	891250.94	4897788.19
18:24:00	18:24:00	55.7	77.4	64.2	49.4	10:03 AM	371535.23	55.7	371535.23	55.7	371535.23	2630267.99
18:25:00	18:25:00	57	77.6	63.7	51.8	10:04 AM	501187.23	57	501187.23	57.0	501187.23	2344228.82
18:26:00	18:26:00	55.5	78.4	63.4	48.2	10:05 AM	354813.39	55.5	354813.39	55.5	354813.39	2187761.62
18:27:00	18:27:00	54.9	74.4	61.3	46.4	10:06 AM	309029.54	54.9	309029.54	54.9	309029.54	1348962.88
18:28:00	18:28:00	61.3	84.1	70.2	46.7	10:07 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	10471285.48
18:29:00	18:29:00	52.6	70.7	58.2	47.6	10:08 AM	181970.09	52.6	181970.09	52.6	181970.09	660693.45
18:30:00	18:30:00	56	77.7	63.5	48.4	10:09 AM	398107.17	56	398107.17	56.0	398107.17	2238721.14
18:31:00	18:31:00	56.7	75.8	63.4	48.8	10:10 AM	467735.14	56.7	467735.14	56.7	467735.14	2187761.62
18:32:00	18:32:00	56	76.7	64.1	47.8	10:11 AM	398107.17	56	398107.17	56.0	398107.17	2570395.78
18:33:00	18:33:00	60.1	84.3	68.2	50	10:12 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	6606934.48
18:34:00	18:34:00	57	77.6	65.1	48.2	10:13 AM	501187.23	57	501187.23	57.0	501187.23	3235936.57
18:35:00	18:35:00	61.1	82.1	68.5	48	10:14 AM	1288249.55	61.1	1288249.55	61.1	1288249.55	7079457.84
18:36:00	18:36:00	58.2	79.4	66.5	49.5	10:15 AM	660693.45	58.2	660693.45	58.2	660693.45	4466835.92
18:37:00	18:37:00	60.7	88.9	68.4	51.4	10:16 AM	1174897.55	60.7	1174897.55	60.7	1174897.55	6918309.71
18:38:00	18:38:00	55.5	79.4	64.6	48.5	10:17 AM	354813.39	55.5	354813.39	55.5	354813.39	2884031.50
18:39:00	18:39:00	53	73.6	60.9	47.8	10:18 AM	199526.23	53	199526.23	53.0	199526.23	1230268.77
18:40:00	18:40:00	57.2	82	67	51.3	10:19 AM	524807.46	57.2	524807.46	57.2	524807.46	5011872.34
18:41:00	18:41:00	53.6	72.3	58.5	48.3	10:20 AM	229086.77	53.6	229086.77	53.6	229086.77	707945.78
18:42:00	18:42:00	56.3	77.9	65.9	48.6	10:21 AM	426579.52	56.3	426579.52	56.3	426579.52	3890451.45
18:43:00	18:43:00	63.7	91.3	75.8	49.5	10:22 AM	2344228.82	63.7	2344228.82	63.7	2344228.82	38018939.63
18:44:00	18:44:00	56.5	76.6	61.5	48.6	10:23 AM	446683.59	56.5	446683.59	56.5	446683.59	1412537.54
18:45:00	18:45:00	57	79.1	65.8	49.3	10:24 AM	501187.23	57	501187.23	57.0	501187.23	3801893.96
18:46:00	18:46:00	55.8	78.8	63.7	49.6	10:25 AM	380189.40	55.				

Data

19:11:00	19:11:00	53.5	73.7	59.5	47.5	10:50 AM	223872.11	53.5	223872.11	53.5	223872.11	891250.94
19:12:00	19:12:00	58.1	89	65.6	50.4	10:51 AM	645654.23	58.1	645654.23	58.1	645654.23	3630780.55
19:13:00	19:13:00	59.5	80.5	66.5	50.7	10:52 AM	891250.94	59.5	891250.94	59.5	891250.94	4466835.92
19:14:00	19:14:00	52.3	72.1	56.4	48.6	10:53 AM	169824.37	52.3	169824.37	52.3	169824.37	436515.83
19:15:00	19:15:00	56.3	78	66.1	49.4	10:54 AM	426579.52	56.3	426579.52	56.3	426579.52	4073802.78
19:16:00	19:16:00	55.6	78.9	65.5	46.8	10:55 AM	363078.05	55.6	363078.05	55.6	363078.05	3548133.89
19:17:00	19:17:00	57.1	77.5	64.4	49.2	10:56 AM	512861.38	57.1	512861.38	57.1	512861.38	2754228.70
19:18:00	19:18:00	56.4	75.9	61.5	51.3	10:57 AM	436515.83	56.4	436515.83	56.4	436515.83	1412537.54
19:19:00	19:19:00	53.8	74.8	59.9	49.2	10:58 AM	239883.29	53.8	239883.29	53.8	239883.29	977237.22
19:20:00	19:20:00	57.2	88.2	65.9	50.3	10:59 AM	524807.46	57.2	524807.46	57.2	524807.46	3890451.45
19:21:00	19:21:00	56.8	77.7	63.7	48.9	11:00 AM	478630.09	56.8	478630.09	56.8	478630.09	2344228.82
19:22:00	19:22:00	57.8	82	68.3	48.1	11:01 AM	602559.59	57.8	602559.59	57.8	602559.59	6760829.75
19:23:00	19:23:00	55.6	75.9	60.7	48.2	11:02 AM	363078.05	55.6	363078.05	55.6	363078.05	1174897.55
19:24:00	19:24:00	67	96.5	81.9	47.4	11:03 AM	5011872.34	67	5011872.34	67.0	5011872.34	154881661.89
19:25:00	19:25:00	55	72.1	58.8	50.5	11:04 AM	316227.77	55	316227.77	55.0	316227.77	758577.58
19:26:00	19:26:00	54.9	77.7	63.9	48.7	11:05 AM	309029.54	54.9	309029.54	54.9	309029.54	2454708.92
19:27:00	19:27:00	61.3	81.9	68	50.2	11:06 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	6309573.44
19:28:00	19:28:00	56.6	77.3	64.3	48.3	11:07 AM	457088.19	56.6	457088.19	56.6	457088.19	2691534.80
19:29:00	19:29:00	58.3	80.7	67.4	49.3	11:08 AM	676082.98	58.3	676082.98	58.3	676082.98	5495408.74
19:30:00	19:30:00	58.1	80.8	65	48.6	11:09 AM	645654.23	58.1	645654.23	58.1	645654.23	3162277.66
19:31:00	19:31:00	55.6	72.8	59.6	50.7	11:10 AM	363078.05	55.6	363078.05	55.6	363078.05	912010.84
19:32:00	19:32:00	56.6	77.7	61.7	50.5	11:11 AM	457088.19	56.6	457088.19	56.6	457088.19	1479108.39
19:33:00	19:33:00	56.8	80.5	63	51.3	11:12 AM	478630.09	56.8	478630.09	56.8	478630.09	1995262.31
19:34:00	19:34:00	55.7	76	62.4	49.1	11:13 AM	371535.23	55.7	371535.23	55.7	371535.23	1737800.83
19:35:00	19:35:00	54.5	73.5	59.7	48.7	11:14 AM	281838.29	54.5	281838.29	54.5	281838.29	933254.30
19:36:00	19:36:00	57.3	80.2	66.3	47.7	11:15 AM	537031.80	57.3	537031.80	57.3	537031.80	4265795.19
19:37:00	19:37:00	59.5	81.1	68.2	49.2	11:16 AM	891250.94	59.5	891250.94	59.5	891250.94	6606934.48
19:38:00	19:38:00	62.4	84.8	70.2	52.7	11:17 AM	1737800.83	62.4	1737800.83	62.4	1737800.83	10471285.48
19:39:00	19:39:00	56.8	78.2	64.3	47.4	11:18 AM	478630.09	56.8	478630.09	56.8	478630.09	2691534.80
19:40:00	19:40:00	55	73.5	60.5	50	11:19 AM	316227.77	55	316227.77	55.0	316227.77	1122018.45
19:41:00	19:41:00	54.1	78.8	62	48.5	11:20 AM	257039.58	54.1	257039.58	54.1	257039.58	1584893.19
19:42:00	19:42:00	59.1	82.9	69.8	47.7	11:21 AM	812830.52	59.1	812830.52	59.1	812830.52	9549925.86
19:43:00	19:43:00	60.3	85.5	69.6	48.6	11:22 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	9120108.39
19:44:00	19:44:00	56.3	74.3	61.1	50	11:23 AM	426579.52	56.3	426579.52	56.3	426579.52	1288249.55
19:45:00	19:45:00	53.9	82.4	60.3	47	11:24 AM	245470.89	53.9	245470.89	53.9	245470.89	1071519.31
19:46:00	19:46:00	55.7	75	62.3	47.2	11:25 AM	371535.23	55.7	371535.23	55.7	371535.23	1698243.65
19:47:00	19:47:00	62.3	83.2	70.4	50	11:26 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	10964781.96
19:48:00	19:48:00	58.8	79.7	66.1	49.4	11:27 AM	758577.58	58.8	758577.58	58.8	758577.58	4073802.78
19:49:00	19:49:00	54.7	80.3	62.3	49.2	11:28 AM	295120.92	54.7	295120.92	54.7	295120.92	1698243.65
19:50:00	19:50:00	54.8	74.4	60.2	47.8	11:29 AM	301995.17	54.8	301995.17	54.8	301995.17	1047128.55
19:51:00	19:51:00	59.1	83.3	68.3	49.9	11:30 AM	812830.52	59.1	812830.52	59.1	812830.52	6760829.75
19:52:00	19:52:00	57.8	78.2	65.2	48.5	11:31 AM	602559.59	57.8	602559.59	57.8	602559.59	3311311.21
19:53:00	19:53:00	53.5	72.5	59.2	49.1	11:32 AM	223872.11	53.5	223872.11	53.5	223872.11	831763.77
19:54:00	19:54:00	58.6	76.4	63.6	51.4	11:33 AM	724435.96	58.6	724435.96	58.6	724435.96	2290867.65
19:55:00	19:55:00	58.7	82.3	67.8	49.7	11:34 AM	741310.24	58.7	741310.24	58.7	741310.24	6025595.86
19:56:00	19:56:00	56.5	75.7	63	48.5	11:35 AM	446683.59	56.5	446683.59	56.5	446683.59	1995262.31
19:57:00	19:57:00	58.1	80	67	48.9	11:36 AM	645654.23	58.1	645654.23	58.1	645654.23	5011872.34
19:58:00	19:58:00	58.9	81.3	67.6	51	11:37 AM	776247.12	58.9	776247.12	58.9	776247.12	5754399.37
19:59:00	19:59:00	53.6	73.5	57.3	50.6	11:38 AM	229086.77	53.6	229086.77	53.6	229086.77	537031.80
20:00:00	20:00:00	57.7	88.4	64.5	50.5	11:39 AM	588843.66	57.7	588843.66	57.7	588843.66	2818382.93
20:01:00	20:01:00	56.4	76.4	63.3	47.3	11:40 AM	436515.83	56.4	436515.83	56.4	436515.83	2137962.09
20:02:00	20:02:00	54.7	76.1	64.5	48	11:41 AM	295120.92	54.7	295120.92	54.7	295120.92	2818382.93
20:03:00	20:03:00	55.8	76.4	63.6	48.7	11:42 AM	380189.40	55.8	380189.40	55.8	380189.40	2290867.65
20:04:00	20:04:00	56.7	76.7	63.7	48.9	11:43 AM	467735.14	56.7	467735.14	56.7	467735.14	2344228.82
20:05:00	20:05:00	58.4	80.5	68.4	48.9	11:44 AM	691830.97	58.4	691830.97	58.4	691830.97	6918309.71
20:06:00	20:06:00	56.3	78.6	64.7	48.5	11:45 AM	426579.52	56.3	426579.52	56.3	426579.52	2951209.23
20:07:00	20:07:00	59.7	80.6	67.8	50	11:46 AM	933254.30	59.7	933254.30	59.7	933254.30	6025595.86
20:08:00	20:08:00	61	89.3	72.5	50.6	11:47 AM	1258925.41	61	1258925.41	61.0	1258925.41	17782794.10
20:09:00	20:09:00	55.9	74.7	63.7	50	11:48 AM	389045.14	55.9	389045.14	55.9	389045.14	2344228.82
20:10:00	20:10:00	56.8	75.6	62.5	50.3	11:49 AM	478630.09	56.8	478630.09	56.8	478630.09	1778279.41
20:11:00	20:11:00	59.9	89.6	71.1	50.7	11:50 AM	977237.22	59.9	977237.22	59.9	977237.22	12882495.52
20:12:00	20:12:00	58.4	81	67.1	48.5	11:51 AM	691830.97	58.4	691830.97	58.4	691830.97	5128613.84
20:13:00	20:13:00	53.7	74	60.2	49.5	11:52 AM	234422.88	53.7	234422.88	53.7	234422.88	1047128.55
20:14:00	20:14:00	60.5	78.4	64.9	51.8	11:53 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	3090295.43
20:15:00	20:15:00	59.8	80.2	66.3	51.9	11:54 AM	954992.59	59.8	954992.59	59.8	954992.59	4265795.19
20:16:00	20:16:00	53.7	71.6	58.3	47.8	11:55 AM	234422.88	53.7	234422.88	53.7	234422.88	676082.98
20:17:00	20:17:00	56	77.4	62.4	50.3	11:56 AM	398107.17	56	398107.17	56.0	398107.17	1737800.83
20:18:00	20:18:00	57	78.3	64.4	50.4	11:57 AM	501187.23	57	501187.23	57.0	501187.23	2754228.70
20:19:00	20:19:00	58.3	86.4	68.4	49	11:58 AM	676082.98	58.3	676082.98	58.3	676082.98	6918309.71
20:20:00	20:20:00	54.2	75.4	57.6	49.3	11:59 AM	263026.80	54.2	263026.80	54.2	263026.80	5754399.4
20:21:00	20:21:00	53.8	78.1	60.5	50	12:00 PM	239883.29	53.8	239883.29	53.8	239883.29	1122018.45
20:22:00	20:22:00	55.7	78.8	63.9	49.5	12:01 PM	371535.23	55.7	371535.23	55.7	371535.23	2454708.92
20:23:00	20:23:00	57.6	78.4	64.2	51	12:02 PM	575439.94	57.6	575439.94	57.6	575439.94	2630267.99
20:24:00	20:24:00	58.2	78.3	65.1	50.4	12:03 PM	660693.45	58.2	660693.45	58.2	660693.45	3235936.57
20:25:00	20:25:00	58.5	79.9	66.7	48.4	12:04 PM	707945.78	58.5	707945.78	58.5	707945.78	4677351.41
20:26:00	20:26:00	58.4	79.5	66.9	49.3	12:05 PM	691830.97	58.4	691830.97	58.4	691830.97	4897788.19
20:27:00	20:27:00	56.6	78.1	61.8	50.6	12:06 PM	457088.19	56.6	457088.19	56.6	457088.19	1513561.25
20:28:00	20:28:00	58.1	81.4	67.8	49.5	12:07 PM	645654.23	58.1	645654.23	58.1	645654.23	6025595.86
20:29:00	20:29:00	55.8	76.6	62.7	48.1	12:08 PM	380189.40	55.8	380189.40	55.8	380189.40	1862087.14
20:30:00	20:30:00	58.4	76.2	63	48.5	12:09 PM	691830.97	58.4	691830.97	58.4	691830.97	1995262.31
20:31:00	20:31											

Data

20:56:00	20:56:00	56.1	77.1	61	50.1	12:35 PM	407380.28	56.1	407380.28	56.1	407380.28	1258925.41
20:57:00	20:57:00	58.4	82.5	66.3	47.8	12:36 PM	691830.97	58.4	691830.97	58.4	691830.97	4265795.19
20:58:00	20:58:00	54.8	72.4	58.3	50.7	12:37 PM	301995.17	54.8	301995.17	54.8	301995.17	676082.98
20:59:00	20:59:00	58.3	87.1	67.1	50.3	12:38 PM	676082.98	58.3	676082.98	58.3	676082.98	5128613.84
21:00:00	21:00:00	58.4	81	69.9	52.1	12:39 PM	691830.97	58.4	691830.97	58.4	691830.97	9772372.10
21:01:00	21:01:00	65.6	93.4	79.9	49.7	12:40 PM	3630780.55	65.6	3630780.55	65.6	3630780.55	97723722.10
21:02:00	21:02:00	56.6	77.1	64.2	49.7	12:41 PM	457088.19	56.6	457088.19	56.6	457088.19	2630267.99
21:03:00	21:03:00	58.8	82.7	69.8	50.8	12:42 PM	758577.58	58.8	758577.58	58.8	758577.58	9549925.86
21:04:00	21:04:00	58	79.8	66.2	50.6	12:43 PM	630957.34	58	630957.34	58.0	630957.34	4168693.83
21:05:00	21:05:00	61.1	77.6	64.5	55.4	12:44 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	2818382.93
21:06:00	21:06:00	60	75.6	62.7	52.7	12:45 PM	1000000.00	60	1000000.00	60.0	1000000.00	1862087.14
21:07:00	21:07:00	59.3	78.1	64.5	52.3	12:46 PM	851138.04	59.3	851138.04	59.3	851138.04	2818382.93
21:08:00	21:08:00	58.6	78.6	63.1	52.4	12:47 PM	724435.96	58.6	724435.96	58.6	724435.96	2041737.94
21:09:00	21:09:00	56.5	74.4	61	52.2	12:48 PM	446683.59	56.5	446683.59	56.5	446683.59	1258925.41
21:10:00	21:10:00	57.3	77.3	63.9	51.7	12:49 PM	537031.80	57.3	537031.80	57.3	537031.80	2454708.92
21:11:00	21:11:00	53.8	72.9	60.7	50.3	12:50 PM	239883.29	53.8	239883.29	53.8	239883.29	1174897.55
21:12:00	21:12:00	55.3	76.4	63.7	48.9	12:51 PM	338844.16	55.3	338844.16	55.3	338844.16	2344228.82
21:13:00	21:13:00	58.3	80.3	67.7	50.3	12:52 PM	676082.98	58.3	676082.98	58.3	676082.98	5888436.55
21:14:00	21:14:00	59.4	80.8	66.1	50.6	12:53 PM	870963.59	59.4	870963.59	59.4	870963.59	4073802.78
21:15:00	21:15:00	55.5	80.5	62.2	50.7	12:54 PM	354813.39	55.5	354813.39	55.5	354813.39	1659586.91
21:16:00	21:16:00	54.8	77.4	60.1	49.2	12:55 PM	301995.17	54.8	301995.17	54.8	301995.17	1023292.99
21:17:00	21:17:00	59.5	81.7	65.5	52.2	12:56 PM	891250.94	59.5	891250.94	59.5	891250.94	3548133.89
21:18:00	21:18:00	64	87	74.7	52	12:57 PM	2511886.43	64	2511886.43	64.0	2511886.43	29512092.27
21:19:00	21:19:00	57.4	76.1	62.4	52.6	12:58 PM	549540.87	57.4	549540.87	57.4	549540.87	1737800.83
21:20:00	21:20:00	59.5	77.7	64.8	53.3	12:59 PM	891250.94	59.5	891250.94	59.5	891250.94	3019951.72
21:21:00	21:21:00	56.6	77.6	65.2	51.7	1:00 PM	457088.19	56.6	457088.19	56.6	457088.19	3311311.21
21:22:00	21:22:00	59.6	81.3	68	53.1	1:01 PM	912010.84	59.6	912010.84	59.6	912010.84	6309573.44
21:23:00	21:23:00	56.9	75.8	63.4	52.5	1:02 PM	489778.82	56.9	489778.82	56.9	489778.82	2187761.62
21:24:00	21:24:00	57.4	76.4	63.6	51.4	1:03 PM	549540.87	57.4	549540.87	57.4	549540.87	2290867.65
21:25:00	21:25:00	58.2	78.2	65	53.8	1:04 PM	660693.45	58.2	660693.45	58.2	660693.45	3162277.66
21:26:00	21:26:00	58.9	83	69.2	50.8	1:05 PM	776247.12	58.9	776247.12	58.9	776247.12	8317637.71
21:27:00	21:27:00	58.8	90.3	66.4	50.5	1:06 PM	758577.58	58.8	758577.58	58.8	758577.58	4365158.32
21:28:00	21:28:00	58.2	80.7	67.5	51.4	1:07 PM	660693.45	58.2	660693.45	58.2	660693.45	5623413.25
21:29:00	21:29:00	57.1	81.9	66.7	50.7	1:08 PM	512861.38	57.1	512861.38	57.1	512861.38	4677351.41
21:30:00	21:30:00	58.3	78.8	65.8	52.2	1:09 PM	676082.98	58.3	676082.98	58.3	676082.98	3801893.96
21:31:00	21:31:00	58.4	78.5	64.2	52.4	1:10 PM	691830.97	58.4	691830.97	58.4	691830.97	2630267.99
21:32:00	21:32:00	53.8	75.7	59.1	50.4	1:11 PM	239883.29	53.8	239883.29	53.8	239883.29	812830.52
21:33:00	21:33:00	59.8	81.2	69.9	50.8	1:12 PM	954992.59	59.8	954992.59	59.8	954992.59	9772372.10
21:34:00	21:34:00	58.5	78.8	65.4	51	1:13 PM	707945.78	58.5	707945.78	58.5	707945.78	3467368.50
21:35:00	21:35:00	59.6	79.1	63.3	53.8	1:14 PM	912010.84	59.6	912010.84	59.6	912010.84	2137962.09
21:36:00	21:36:00	60.3	88.4	69.6	54	1:15 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	9120108.39
21:37:00	21:37:00	60.1	79.2	66	48.5	1:16 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	3981071.71
21:38:00	21:38:00	59.5	81.6	68.7	48.4	1:17 PM	891250.94	59.5	891250.94	59.5	891250.94	7413102.41
21:39:00	21:39:00	56.9	86.5	64.2	47.4	1:18 PM	489778.82	56.9	489778.82	56.9	489778.82	2630267.99
21:40:00	21:40:00	57.5	79.3	66.2	48.9	1:19 PM	562341.33	57.5	562341.33	57.5	562341.33	4168693.83
21:41:00	21:41:00	56.2	80.1	64.6	47.3	1:20 PM	416869.38	56.2	416869.38	56.2	416869.38	2884031.50
21:42:00	21:42:00	57.9	80.2	65.6	49.8	1:21 PM	616595.00	57.9	616595.00	57.9	616595.00	3630780.55
21:43:00	21:43:00	58.3	84.8	66.9	50.2	1:22 PM	676082.98	58.3	676082.98	58.3	676082.98	4897788.19
21:44:00	21:44:00	55.2	74.1	61.5	49.4	1:23 PM	331131.12	55.2	331131.12	55.2	331131.12	1412537.54
21:45:00	21:45:00	59.9	81.9	67.7	50.8	1:24 PM	977237.22	59.9	977237.22	59.9	977237.22	5888436.55
21:46:00	21:46:00	56.7	78.6	66.4	47.8	1:25 PM	467735.14	56.7	467735.14	56.7	467735.14	4365158.32
21:47:00	21:47:00	59.3	82.2	69.4	51	1:26 PM	851138.04	59.3	851138.04	59.3	851138.04	8709635.90
21:48:00	21:48:00	58.6	81	67.1	51.1	1:27 PM	724435.96	58.6	724435.96	58.6	724435.96	5128613.84
21:49:00	21:49:00	57.8	78.3	65.3	50.7	1:28 PM	602559.59	57.8	602559.59	57.8	602559.59	3388441.56
21:50:00	21:50:00	53.9	75.3	58.2	48.4	1:29 PM	245470.89	53.9	245470.89	53.9	245470.89	660693.45
21:51:00	21:51:00	58.8	81.3	66.9	52.3	1:30 PM	758577.58	58.8	758577.58	58.8	758577.58	4897788.19
21:52:00	21:52:00	54.8	75.6	62.5	48.6	1:31 PM	301995.17	54.8	301995.17	54.8	301995.17	1778279.41
21:53:00	21:53:00	58	74.9	62.4	49.5	1:32 PM	630957.34	58	630957.34	58.0	630957.34	1737800.83
21:54:00	21:54:00	53.9	73	60.5	48.4	1:33 PM	245470.89	53.9	245470.89	53.9	245470.89	1122018.45
21:55:00	21:55:00	58.2	79.9	66.5	48.3	1:34 PM	660693.45	58.2	660693.45	58.2	660693.45	4466835.92
21:56:00	21:56:00	55.9	76.1	61.8	49.3	1:35 PM	389045.14	55.9	389045.14	55.9	389045.14	1513561.25
21:57:00	21:57:00	56.6	77.8	64.2	48.6	1:36 PM	457088.19	56.6	457088.19	56.6	457088.19	2630267.99
21:58:00	21:58:00	60	83.4	67.5	52.9	1:37 PM	1000000.00	60	1000000.00	60.0	1000000.00	5623413.25
21:59:00	21:59:00	56	75.9	63.4	49.6	1:38 PM	398107.17	56	398107.17	56.0	398107.17	2187761.62
22:00:00	22:00:00	58.2	86.3	66.7	49.7	1:39 PM	660693.45	58.2	660693.45	58.2	660693.45	4677351.41
22:01:00	22:01:00	56.9	81.8	64	47.5	1:40 PM	489778.82	56.9	489778.82	56.9	489778.82	2511886.43
22:02:00	22:02:00	54.3	78.4	64	48	1:41 PM	269153.48	54.3	269153.48	54.3	269153.48	2511886.43
22:03:00	22:03:00	56.1	75.9	62	50.4	1:42 PM	407380.28	56.1	407380.28	56.1	407380.28	1584893.19
22:04:00	22:04:00	56	74.4	61.5	50.4	1:43 PM	398107.17	56	398107.17	56.0	398107.17	1412537.54
22:05:00	22:05:00	60.1	83	68.9	52.9	1:44 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	7762471.17
22:06:00	22:06:00	54.7	73.1	59.7	51.1	1:45 PM	295120.92	54.7	295120.92	54.7	295120.92	93254.30
22:07:00	22:07:00	57.8	79	65.4	47.8	1:46 PM	602559.59	57.8	602559.59	57.8	602559.59	3467368.50
22:08:00	22:08:00	57.1	78.9	65.4	51.6	1:47 PM	512861.38	57.1	512861.38	57.1	512861.38	3467368.50
22:09:00	22:09:00	67.7	92.2	79.9	52.4	1:48 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	97723722.10
22:10:00	22:10:00	58.7	82	67.3	49.7	1:49 PM	741310.24	58.7	741310.24	58.7	741310.24	5370317.96
22:11:00	22:11:00	56.2	78.2	63.4	48.5	1:50 PM	416869.38	56.2	416869.38	56.2	416869.38	2187761.62
22:12:00	22:12:00	56.3	77.6	64	48.8	1:51 PM	426579.52	56.3	426579.52	56.3	426579.52	2511886.43
22:13:00	22:13:00	60.2	82.4	69.7	51.8	1:52 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	9332543.01
22:14:00	22:14:00	60.1	81.8	70.6	48.8	1:53 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	11481536.21
22:15:00	22:15:00	56.5	76.2	60.8	51.6	1:54 PM	446683.59	56.5	446683.59	56.5	446683.59	1202264.43
22:16:00	22:16:00	59.8	88.4	72.8	5							

Data

22:41:00	22:41:00	53.1	75.1	59.6	47.4	2:20 PM	204173.79	53.1	204173.79	53.1	204173.79	912010.84
22:42:00	22:42:00	59.6	80.4	66.4	48.1	2:21 PM	912010.84	59.6	912010.84	59.6	912010.84	4365158.32
22:43:00	22:43:00	57.6	81.4	67.4	51.2	2:22 PM	575439.94	57.6	575439.94	57.6	575439.94	5495408.74
22:44:00	22:44:00	62	91.3	73	49.1	2:23 PM	1584893.19	62	1584893.19	62.0	1584893.19	19952623.15
22:45:00	22:45:00	56.6	78.3	65.4	47.9	2:24 PM	457088.19	56.6	457088.19	56.6	457088.19	3467368.50
22:46:00	22:46:00	57.7	78	64.4	48	2:25 PM	588843.66	57.7	588843.66	57.7	588843.66	2754228.70
22:47:00	22:47:00	57.2	79.3	66.3	53	2:26 PM	524807.46	57.2	524807.46	57.2	524807.46	4265795.19
22:48:00	22:48:00	59.5	80.4	66.2	54.5	2:27 PM	891250.94	59.5	891250.94	59.5	891250.94	4168693.83
22:49:00	22:49:00	57.8	78.2	65	47.8	2:28 PM	602559.59	57.8	602559.59	57.8	602559.59	3162277.66
22:50:00	22:50:00	61.5	82.8	70.9	48.5	2:29 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	12302687.71
22:51:00	22:51:00	62.7	81.6	70.3	49	2:30 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	10715193.05
22:52:00	22:52:00	58.5	77.9	65.4	49.3	2:31 PM	707945.78	58.5	707945.78	58.5	707945.78	3467368.50
22:53:00	22:53:00	56.1	76.1	61.9	49.1	2:32 PM	407380.28	56.1	407380.28	56.1	407380.28	1548816.62
22:54:00	22:54:00	58.2	83.5	65.8	49.5	2:33 PM	660693.45	58.2	660693.45	58.2	660693.45	3801893.96
22:55:00	22:55:00	60	80.6	68.2	51.8	2:34 PM	1000000.00	60	1000000.00	60.0	1000000.00	6606934.48
22:56:00	22:56:00	59.2	91.6	67.3	48.2	2:35 PM	831763.77	59.2	831763.77	59.2	831763.77	5370317.96
22:57:00	22:57:00	62.2	92.8	70.5	50.3	2:36 PM	1659586.91	62.2	1659586.91	62.2	1659586.91	11220184.54
22:58:00	22:58:00	57.9	79.4	66.5	51.3	2:37 PM	616595.00	57.9	616595.00	57.9	616595.00	4466835.92
22:59:00	22:59:00	53.8	74.6	61.1	48.7	2:38 PM	239883.29	53.8	239883.29	53.8	239883.29	1288249.55
23:00:00	23:00:00	61.7	81.5	67.9	49.8	2:39 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	6165950.02
23:01:00	23:01:00	52.4	72.2	61	48	2:40 PM	173780.08	52.4	173780.08	52.4	173780.08	1258925.41
23:02:00	23:02:00	61.6	87.5	72.8	49.7	2:41 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	19054607.18
23:03:00	23:03:00	57.7	79.7	66.1	51.9	2:42 PM	588843.66	57.7	588843.66	57.7	588843.66	4073802.78
23:04:00	23:04:00	60.2	87.8	71.9	50	2:43 PM	1047128.55	60.2	1047128.55	60.2	1047128.55	15488166.19
23:05:00	23:05:00	55.3	77.2	62.5	48.3	2:44 PM	338844.16	55.3	338844.16	55.3	338844.16	1778279.41
23:06:00	23:06:00	56.3	77.2	62.1	47.6	2:45 PM	426579.52	56.3	426579.52	56.3	426579.52	1621810.10
23:07:00	23:07:00	57.5	78.7	61.9	50.8	2:46 PM	562341.33	57.5	562341.33	57.5	562341.33	1548816.62
23:08:00	23:08:00	57.5	88.3	73.4	49.2	2:47 PM	562341.33	57.5	562341.33	57.5	562341.33	21877616.24
23:09:00	23:09:00	61.7	88.6	74.2	49.8	2:48 PM	1479108.39	61.7	1479108.39	61.7	1479108.39	26302679.92
23:10:00	23:10:00	60.7	80	65.8	55	2:49 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	3801893.96
23:11:00	23:11:00	56.3	76.2	63.9	49.5	2:50 PM	426579.52	56.3	426579.52	56.3	426579.52	2454708.92
23:12:00	23:12:00	59	80.8	66.8	50.5	2:51 PM	794328.23	59	794328.23	59.0	794328.23	4786300.92
23:13:00	23:13:00	53.6	72.5	59.4	48.6	2:52 PM	229086.77	53.6	229086.77	53.6	229086.77	870963.59
23:14:00	23:14:00	59.2	78.3	65.1	49.3	2:53 PM	831763.77	59.2	831763.77	59.2	831763.77	3235936.57
23:15:00	23:15:00	61.5	80.7	67.6	53	2:54 PM	1412537.54	61.5	1412537.54	61.5	1412537.54	5754399.37
23:16:00	23:16:00	56.9	81	65.1	49.2	2:55 PM	489778.82	56.9	489778.82	56.9	489778.82	3235936.57
23:17:00	23:17:00	56.2	76.7	62.8	48.5	2:56 PM	416869.38	56.2	416869.38	56.2	416869.38	1905460.72
23:18:00	23:18:00	58.7	79	65.7	50.3	2:57 PM	741310.24	58.7	741310.24	58.7	741310.24	3715352.29
23:19:00	23:19:00	53.6	74.7	59.9	48	2:58 PM	229086.77	53.6	229086.77	53.6	229086.77	977237.22
23:20:00	23:20:00	56.9	77.8	64.6	49.4	2:59 PM	489778.82	56.9	489778.82	56.9	489778.82	2884031.50
23:21:00	23:21:00	58.3	81.4	67.6	49.9	3:00 PM	676082.98	58.3	676082.98	58.3	676082.98	5754399.37
23:22:00	23:22:00	67.7	93.9	81.6	48	3:01 PM	5888436.55	67.7	5888436.55	67.7	5888436.55	144543977.07
23:23:00	23:23:00	59.7	78.6	64.6	51	3:02 PM	933254.30	59.7	933254.30	59.7	933254.30	2884031.50
23:24:00	23:24:00	55.2	76.7	62.9	48.9	3:03 PM	331131.12	55.2	331131.12	55.2	331131.12	1949844.60
23:25:00	23:25:00	53.8	72.7	59.1	48.1	3:04 PM	239883.29	53.8	239883.29	53.8	239883.29	812830.52
23:26:00	23:26:00	58.5	87	66.6	50.4	3:05 PM	707945.78	58.5	707945.78	58.5	707945.78	4570881.90
23:27:00	23:27:00	59.5	80.4	67.2	50.6	3:06 PM	891250.94	59.5	891250.94	59.5	891250.94	5248074.60
23:28:00	23:28:00	55.6	76.8	63.2	49.7	3:07 PM	363078.05	55.6	363078.05	55.6	363078.05	2089296.13
23:29:00	23:29:00	57.9	83.1	67.1	49.6	3:08 PM	616595.00	57.9	616595.00	57.9	616595.00	5128613.84
23:30:00	23:30:00	60.7	87.2	73.1	49.9	3:09 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	20417379.45
23:31:00	23:31:00	59.5	80.5	67.7	50.8	3:10 PM	891250.94	59.5	891250.94	59.5	891250.94	5888436.55
23:32:00	23:32:00	58.9	99.6	68	47.9	3:11 PM	776247.12	58.9	776247.12	58.9	776247.12	6309573.44
23:33:00	23:33:00	55.8	75.4	62.6	47.6	3:12 PM	380189.40	55.8	380189.40	55.8	380189.40	1819700.86
23:34:00	23:34:00	59.7	79.5	67	50.2	3:13 PM	933254.30	59.7	933254.30	59.7	933254.30	5011872.34
23:35:00	23:35:00	62.7	87.7	74	53.4	3:14 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	25118864.32
23:36:00	23:36:00	57.8	77.3	63.8	49	3:15 PM	602559.59	57.8	602559.59	57.8	602559.59	2398832.92
23:37:00	23:37:00	60.6	84.9	72	48.8	3:16 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	15848931.92
23:38:00	23:38:00	57.7	77.5	64.1	50.1	3:17 PM	588843.66	57.7	588843.66	57.7	588843.66	2570395.78
23:39:00	23:39:00	58.6	77.8	63.6	51.5	3:18 PM	724435.96	58.6	724435.96	58.6	724435.96	2290867.65
23:40:00	23:40:00	59.1	80	65.6	50	3:19 PM	812830.52	59.1	812830.52	59.1	812830.52	3630780.55
23:41:00	23:41:00	61.9	84.5	70.4	50.9	3:20 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	10964781.96
23:42:00	23:42:00	59.8	79.6	65.2	49.7	3:21 PM	954992.59	59.8	954992.59	59.8	954992.59	3311311.21
23:43:00	23:43:00	58.4	78.6	66.3	49	3:22 PM	691830.97	58.4	691830.97	58.4	691830.97	4265795.19
23:44:00	23:44:00	52.3	73	57.9	48.1	3:23 PM	169824.37	52.3	169824.37	52.3	169824.37	616595.00
23:45:00	23:45:00	60.1	82.1	67.7	53.4	3:24 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	5888436.55
23:46:00	23:46:00	57.4	76.1	63.8	49.9	3:25 PM	549540.87	57.4	549540.87	57.4	549540.87	2398832.92
23:47:00	23:47:00	58.2	79.1	65.4	50.1	3:26 PM	660693.45	58.2	660693.45	58.2	660693.45	3467368.50
23:48:00	23:48:00	60.3	88.6	70.5	50.6	3:27 PM	1071519.31	60.3	1071519.31	60.3	1071519.31	11220184.54
23:49:00	23:49:00	59.7	82.3	68.8	51.3	3:28 PM	933254.30	59.7	933254.30	59.7	933254.30	7585775.75
23:50:00	23:50:00	61.1	82.3	71.2	51.2	3:29 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	13182567.39
23:51:00	23:51:00	59.7	77.7	64	48.3	3:30 PM	933254.30	59.7	933254.30	59.7	933254.30	2511886.43
23:52:00	23:52:00	60	84.3	67.4	51.5	3:31 PM	1000000.00	60	1000000.00	60.0	1000000.00	5495408.74
23:53:00	23:53:00	60.5	85.7	66.5	52.5	3:32 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	4466835.92
23:54:00	23:54:00	77.7	108	87.5	65.2	3:33 PM	58884365.54	77.7	58884365.54	77.7	58884365.54	562341325.19
23:55:00	23:55:00	70.6	90.6	76.5	57.8	3:34 PM	11481536.21	70.6	11481536.21	70.6	11481536.21	44668359.22
23:56:00	23:56:00	55.5	73.2	60.2	47.5	3:35 PM	354813.39	55.5	354813.39	55.5	354813.39	1047128.55
23:57:00	23:57:00	56.5	76.3	62.4	49.2	3:36 PM	446683.59	56.5	446683.59	56.5	446683.59	1737800.83
23:58:00	23:58:00	55.8	73.9	62	51.4	3:37 PM	380189.40	55.8	380189.40	55.8	380189.40	1584893.19
23:59:00	23:59:00	57	77	63.3	49	3:38 PM	501187.23	57	501187.23	57.0	501187.23	2137962.09
24:00:00	24:00:00	60.6	80.6	66.8	50.2	3:39 PM	1148153.62	60.6	1148153.62	60.6	1148153.62	4786300.92

## Summary

Serial Number           BIJ090010  
 Start Time               15:52:32 26-Apr-2022  
 Run Length              24:00:00 5529600

UNIT REV                R13B

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description	Units	Value	
Pre-Cal Level	dB	114	
Date		15:51:36 26-Apr-2022	
Post-Cal Level	dB		
Date			
ReCert Date		Unavailable	

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	57.5	57.4
Lmax	dB	92.7	92.7
Lmin	dB	48.1	48.1
Lpk	dB	105.1	105.1
TWA	dB	62.2	62.2
PTWA	dB	48.4	48.4
DOSE	%	1.67	1.65
PDOSE	%	0.07	0.07
SEL	dB	106.8	106.8
EXP	p2s	19	19

Measurement	Units	Value
LDN	dB	63.5
CNEL	dB	63.4
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	66.2
L08	dB	59.3
L25	dB	54.8
L50	dB	52.8

**CUP Site #7 - Measurement #1**

Summary

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	92.7	66.2	63.4	62.6	62.3	61.9	61	60	59.3	58.9
10	58.5	58	57.6	57.1	56.7	56.4	56.1	55.9	55.7	55.6
20	55.4	55.3	55.2	55	54.9	54.8	54.7	54.6	54.5	54.4
30	54.3	54.2	54.1	54	54	53.9	53.8	53.7	53.6	53.5
40	53.5	53.4	53.3	53.2	53.2	53.1	53	53	52.9	52.8
50	52.8	52.7	52.7	52.6	52.6	52.5	52.5	52.4	52.4	52.3
60	52.3	52.2	52.2	52.1	52.1	52	52	51.9	51.9	51.8
70	51.8	51.7	51.7	51.6	51.6	51.5	51.5	51.5	51.4	51.4
80	51.3	51.2	51.2	51.1	51.1	51	50.9	50.9	50.8	50.7
90	50.6	50.5	50.4	50.3	50.2	50.1	49.9	49.8	49.6	49.4

Raw Stat Table

dB	Count
48.1	3
48.2	15
48.3	12
48.4	34
48.5	137
48.6	252
48.7	427
48.8	1080
48.9	2100
49	3438
49.1	5243
49.2	8120
49.3	11050
49.4	14564
49.5	18714
49.6	22578
49.7	26823
49.8	30912
49.9	35022
50	40745
50.1	46551
50.2	32234
50.3	46716
50.4	50740
50.5	53766
50.6	57208
50.7	60147
50.8	64509
50.9	70709
51	77976
51.1	84178

Statistics Table

	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
48	0	0	0	0	0	0	0	0	0.01	0.03
49	0.06	0.09	0.14	0.19	0.26	0.33	0.4	0.48	0.55	0.63
50	0.73	0.84	0.58	0.84	0.91	0.97	1.03	1.08	1.16	1.27
51	1.41	1.52	1.64	1.77	1.91	1.99	2.06	2.13	2.14	2.15
52	2.16	2.11	2.05	2.04	1.98	1.92	1.9	1.83	1.81	1.78
53	1.75	1.74	1.12	1.41	1.36	1.33	1.28	1.24	1.22	1.19
54	1.17	1.17	1.13	1.09	1.06	1.05	1	0.97	0.95	0.92
55	0.87	0.82	0.79	0.75	0.73	0.71	0.68	0.65	0.62	0.6
56	0.57	0.55	0.35	0.42	0.39	0.36	0.32	0.3	0.27	0.24
57	0.22	0.21	0.19	0.2	0.2	0.19	0.19	0.19	0.2	0.21
58	0.23	0.22	0.23	0.22	0.21	0.23	0.24	0.25	0.25	0.25
59	0.26	0.28	0.2	0.21	0.21	0.18	0.16	0.14	0.12	0.11
60	0.11	0.09	0.09	0.1	0.1	0.09	0.09	0.09	0.09	0.09
61	0.09	0.08	0.07	0.07	0.07	0.07	0.08	0.08	0.12	0.19
62	0.26	0.34	0.33	0.21	0.36	0.31	0.27	0.23	0.18	0.15
63	0.13	0.11	0.09	0.07	0.06	0.05	0.05	0.05	0.04	0.04
64	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.03

**CUP Site #7 - Measurement #1**

Summary

65	0.03	0.03	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.02	51.2	90777
66	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.02	0.02	0.02	51.3	98140
67	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	51.4	105822
68	0.01	0.01	0.01	0	0.01	0.01	0	0.01	0.01	0	51.5	110478
69	0.01	0	0	0	0	0	0	0	0	0	51.6	114360
70	0	0	0	0	0	0	0	0	0	0.01	51.7	118197
71	0	0.01	0.01	0	0	0	0	0	0	0	51.8	118517
72	0	0	0	0	0	0	0	0	0	0	51.9	119111
73	0	0	0	0	0	0	0	0	0	0	52	119939
74	0	0	0	0	0	0	0	0	0	0	52.1	117108
75	0	0	0	0	0	0	0	0	0	0	52.2	113411
76	0	0	0	0	0	0	0	0	0	0	52.3	113214
77	0	0	0	0	0	0	0	0	0	0	52.4	109626
78	0	0	0	0	0	0	0	0	0	0	52.5	106646
79	0	0	0	0	0	0	0	0	0	0	52.6	105152
80	0	0	0	0	0	0	0	0	0	0	52.7	101531
81	0	0	0	0	0	0	0	0	0	0	52.8	100140
82	0	0	0	0	0	0	0	0	0	0	52.9	98722
83	0	0	0	0	0	0	0	0	0	0	53	96853
84	0	0	0	0	0	0	0	0	0	0	53.1	96759
85	0	0	0	0	0	0	0	0	0	0	53.2	62400
86	0	0	0	0	0	0	0	0	0	0	53.3	78222
87	0	0	0	0	0	0	0	0	0	0	53.4	75643
88	0	0	0	0	0	0	0	0	0	0	53.5	73869
89	0	0	0	0	0	0	0	0	0	0	53.6	70874
90	0	0	0	0	0	0	0	0	0	0	53.7	68617
91	0	0	0	0	0	0	0	0	0	0	53.8	67905
92	0	0	0	0	0	0	0	0	0	0	53.9	65840
											54	65074
											54.1	64979
											54.2	62731
											54.3	60649
											54.4	59106
											54.5	58259
											54.6	55718
											54.7	54036
											54.8	52670
											54.9	51157
											55	48433
											55.1	45639
											55.2	44180
											55.3	41838
											55.4	40543

Study	Study Time	Session Time	OL Status	L <sub>avg</sub> Meter1	L <sub>pk</sub> Meter1	L <sub>max</sub> Meter1	L <sub>min</sub> Meter1
Study 1	0:01:00	0:01:00		61.9	86.8	72.7	51.6
	0:02:00	0:02:00		58.1	83.3	67.1	51.7
	0:03:00	0:03:00		58.3	81.2	65.2	52.1
	0:04:00	0:04:00		56	86.4	61.2	52.7
	0:05:00	0:05:00		54.3	76.5	57.7	51.6
	0:06:00	0:06:00		52.8	69.6	56.1	50.4
	0:07:00	0:07:00		52.9	70.5	54.8	51.1
	0:08:00	0:08:00		52.5	77.5	55.1	50.5
	0:09:00	0:09:00		53.1	71.4	55.8	50.8
	0:10:00	0:10:00		55	77.4	63.6	51.1
	0:11:00	0:11:00		52.8	68.8	56.1	50.3
	0:12:00	0:12:00		52.5	67.2	55.2	50.4
	0:13:00	0:13:00		58	77.6	64.6	51.9
	0:14:00	0:14:00		53.3	73.1	60	50.6
	0:15:00	0:15:00		60.5	94.2	67.5	51.4
	0:16:00	0:16:00		59	78.6	65.5	50.7
	0:17:00	0:17:00		53.8	71.1	57	51.1
	0:18:00	0:18:00		52.1	70.5	55	50.4
	0:19:00	0:19:00		63.2	96	79.9	50.7
	0:20:00	0:20:00		52.4	73.1	54.8	50.1
	0:21:00	0:21:00		58.9	76.4	65.6	51.5
	0:22:00	0:22:00		55.4	78.7	63	50.5
	0:23:00	0:23:00		54.5	72.1	58.6	51.7
	0:24:00	0:24:00		60.5	88.4	72.4	51.7
	0:25:00	0:25:00		53.5	73.2	56.6	50.6
	0:26:00	0:26:00		53.8	73.7	58.4	51.3
	0:27:00	0:27:00		53.5	71.4	56	50.8
	0:28:00	0:28:00		53.4	72.3	58.5	50.1
	0:29:00	0:29:00		53.1	74.8	55.5	50.6
	0:30:00	0:30:00		53.1	71.9	56.3	51.5
	0:31:00	0:31:00		63.4	85.8	73.6	50.7
	0:32:00	0:32:00		52.5	68.3	55.5	50.2
	0:33:00	0:33:00		52.3	67.1	54.8	50.7
	0:34:00	0:34:00		51.9	68.9	55.7	49.8
	0:35:00	0:35:00		53.3	70.5	55.1	51.2
	0:36:00	0:36:00		52.8	69.6	57	50.4
	0:37:00	0:37:00		53.6	69.8	56.4	51.5
	0:38:00	0:38:00		53.2	68.9	55.8	51.3
	0:39:00	0:39:00		69.4	90.7	75.4	52.2
	0:40:00	0:40:00		70.4	94.5	80.3	52
	0:41:00	0:41:00		53.1	76.8	55.3	51.3
	0:42:00	0:42:00		61.6	85.5	72.9	50.7
	0:43:00	0:43:00		62.1	84.2	71.7	54.4
	0:44:00	0:44:00		55.6	75.7	59.2	53.2
	0:45:00	0:45:00		58.8	84.6	68.5	54.5
	0:46:00	0:46:00		57	76.4	60.5	54.1
	0:47:00	0:47:00		55.4	76.1	58.4	53.7
	0:48:00	0:48:00		55.3	77	59.4	53.4
	0:49:00	0:49:00		56.1	78	62.8	53.3
	0:50:00	0:50:00		54.7	76.8	58.6	53
	0:51:00	0:51:00		55.1	76.8	59.2	52.9
	0:52:00	0:52:00		54.6	75.1	57.8	53.4
	0:53:00	0:53:00		55.1	76.1	59.1	53.7
	0:54:00	0:54:00		56.1	75	62	54.3
	0:55:00	0:55:00		56.3	78	62	53.9
	0:56:00	0:56:00		57.7	87.4	62.2	54.3
	0:57:00	0:57:00		57.1	84.7	62.1	54.1
	0:58:00	0:58:00		54.9	77.8	59	53.3
	0:59:00	0:59:00		54.9	73.8	57.4	53.8
	1:00:00	1:00:00		54.5	75.5	57.9	52.4
	1:01:00	1:01:00		54.2	71.8	55.7	52.9
	1:02:00	1:02:00		54.5	72.8	57.1	52.9
	1:03:00	1:03:00		57	79.7	65.5	53.1
	1:04:00	1:04:00		54.1	74.7	57	52.5
	1:05:00	1:05:00		54.6	73.3	57	52.7
	1:06:00	1:06:00		54.3	76.4	57.3	52.6
	1:07:00	1:07:00		52.6	71.1	55.4	49.8
	1:08:00	1:08:00		52.7	74.3	55.6	50.3
	1:09:00	1:09:00		54.9	79.1	66.7	50.7
	1:10:00	1:10:00		61.6	85	71.1	51.7
	1:11:00	1:11:00		55.5	74.6	58.9	51.9
	1:12:00	1:12:00		53.6	72.6	56.4	51.9
	1:13:00	1:13:00		53.9	72.7	59.1	51.7
	1:14:00	1:14:00		54.5	77.1	61.4	50.7
	1:15:00	1:15:00		52.5	72	54.6	50.4
	1:16:00	1:16:00		53	73.2	55.1	50.9
	1:17:00	1:17:00		55.2	79.8	64.1	51.1
	1:18:00	1:18:00		51.9	68.9	57.4	49.9
	1:19:00	1:19:00		51.9	69.4	54.2	50.3
	1:20:00	1:20:00		51.1	70.8	53.2	49.6
	1:21:00	1:21:00		51.4	66.7	53.4	49.8
	1:22:00	1:22:00		51.5	67.3	54	49.6
	1:23:00	1:23:00		50.8	66.2	52.6	49.6
	1:24:00	1:24:00		51.2	68.8	54.5	49.3
	1:25:00	1:25:00		50.9	69.3	53	48.8
	1:26:00	1:26:00		53	73.6	61.9	49.5
	1:27:00	1:27:00		54.6	84.8	62	50
	1:28:00	1:28:00		55.1	84	66.2	50.7
	1:29:00	1:29:00		54.7	84.6	63.5	50.2
	1:30:00	1:30:00		54.9	79	62.4	49.8
	1:31:00	1:31:00		62.8	76.7	63.9	59.9
	1:32:00	1:32:00		60.3	85.6	69.3	51
	1:33:00	1:33:00		54	84.9	60.2	50.2
	1:34:00	1:34:00		54.9	84.7	61.2	51.3
	1:35:00	1:35:00		51.9	76.1	57.6	49.6
	1:36:00	1:36:00		51.2	71.2	53	49.5
	1:37:00	1:37:00		51.5	73	53.1	49.6
	1:38:00	1:38:00		51.2	69.9	53.4	49.2
	1:39:00	1:39:00		52.3	70	56.7	50
	1:40:00	1:40:00		54.7	76.8	63.8	49.5

	Daytime	Nighttime
L <sub>eq</sub>	57.8	56.8
L <sub>max</sub>	92.7	86.1
CN <sub>EL</sub>	63.5	
L <sub>dn</sub>	63.4	
L <sub>50</sub>	62.3	59.3
L <sub>25</sub>	62.7	61.4
L <sub>10</sub>	65.6	64.0
L <sub>1.7</sub>	78.2	78.1
L <sub>max</sub>	92.7	86.1

7:30 a.m. - 9:30 p.m.  
9:30 p.m. - 7:30 a.m.

L <sub>eq</sub>	L <sub>max</sub>
58.0	92.7
56.5	86.1

Time	L <sub>eq</sub> 10 <sup>(N/10)</sup>	CN <sub>EL</sub>	CN <sub>EL</sub> 10 <sup>(N/10)</sup>	L <sub>dn</sub>	L <sub>dn</sub> 10 <sup>(N/10)</sup>	L <sub>max</sub> 10 <sup>(N/10)</sup>
3:52 PM						
3:53 PM	1548816.62	61.9	1548816.62	61.9	1548816.62	18620871.37
3:54 PM	645654.23	58.1	645654.23	58.1	645654.23	5128613.84
3:55 PM	676082.98	58.3	676082.98	58.3	676082.98	3311311.21
3:56 PM	398107.17	56	398107.17	56.0	398107.17	1318256.74
3:57 PM	269153.48	54.3	269153.48	54.3	269153.48	588843.66
3:58 PM	190546.07	52.8	190546.07	52.8	190546.07	407380.28
3:59 PM	194984.46	52.9	194984.46	52.9	194984.46	301995.17
4:00 PM	177827.94	52.5	177827.94	52.5	177827.94	323593.66
4:01 PM	204173.79	53.1	204173.79	53.1	204173.79	380189.40
4:02 PM	316227.77	55	316227.77	55.0	316227.77	2290867.65
4:03 PM	190546.07	52.8	190546.07	52.8	190546.07	407380.28
4:04 PM	177827.94	52.5	177827.94	52.5	177827.94	331131.12
4:05 PM	630957.34	58	630957.34	58.0	630957.34	2884031.50
4:06 PM	213796.21	53.3	213796.21	53.3	213796.21	1000000.00
4:07 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	5623413.25
4:08 PM	794328.23	59	794328.23	59.0	794328.23	3548133.89
4:09 PM	239883.29	53.8	239883.29	53.8	239883.29	501187.23
4:10 PM	162181.01	52.1	162181.01	52.1	162181.01	316227.77
4:11 PM	2089296.13	63.2	2089296.13	63.2	2089296.13	97723722.10
4:12 PM	173780.08	52.4	173780.08	52.4	173780.08	301995.17
4:13 PM	776247.12	58.9	776247.12	58.9	776247.12	3630780.55
4:14 PM	346736.85	55.4	346736.85	55.4	346736.85	1995262.31
4:15 PM	281838.29	54.5	281838.29	54.5	281838.29	724435.96
4:16 PM	1122018.45	60.5	1122018.45	60.5	1122018.45	17378008.29
4:17 PM	223872.11	53.5	223872.11	53.5	223872.11	457088.19
4:18 PM	239883.29	53.8	239883.29	53.8	239883.29	691830.97
4:19 PM	223872.11	53.5	223872.11	53.5	223872.11	398107.17
4:20 PM	218776.16	53.4	218776.16	53.4	218776.16	707945.78
4:21 PM	204173.79	53.1	204173.79	53.1	204173.79	354813.39
4:22 PM	204173.79	53.1	204173.79	53.1	204173.79	426579.52
4:23 PM	218776.16	63.4	218776.16	63.4	218776.16	22908676.53
4:24 PM	177827.94	52.5	177827.94	52.5	177827.94	354813.39
4:25 PM	169824.37	52.3	169824.37	52.3	169824.37	301995.17
4:26 PM	154881.66	51.9	154881.66	51.9	154881.66	371535.23
4:27 PM	213796.21	53.3	213796.21	53.3	213796.21	323593.66
4:28 PM	190546.07	52.8	190546.07	52.8	190546.07	501187.23
4:29 PM	229086.77	53.6	229086.77	53.6	229086.77	436515.83
4:30 PM	208929.61	53.2	208929.61	53.2	208929.61	380189.40
4:31 PM	8709635.90	69.4	8709635.90	69.4	8709635.90	34673685.05
4:32 PM	10964781.96	70.4	10964781.96	70.4	10964781.96	107151930.52
4:33 PM	204173.79	53.1	204173.79	53.1	204173.79	338844.16
4:34 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	19498446.00
4:35 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	14791083.88
4:36 PM	363078.05	55.6	363078.05	55.6	363078.05	831763.77
4:37 PM	758577.58	58.8	758577.58			

## Data

1:41:00	1:41:00	51.5	68.1	54.3	49.4	5:33 PM	141253.75	51.5	141253.75	51.5	141253.75	269153.48
1:42:00	1:42:00	51	67.9	53.3	49.1	5:34 PM	125892.54	51	125892.54	51.0	125892.54	213796.21
1:43:00	1:43:00	54.1	75.3	62.5	49.6	5:35 PM	257039.58	54.1	257039.58	54.1	257039.58	1778279.41
1:44:00	1:44:00	51.3	67.2	54.1	49.5	5:36 PM	134896.29	51.3	134896.29	51.3	134896.29	257039.58
1:45:00	1:45:00	53.2	71.7	57.2	50.9	5:37 PM	208929.61	53.2	208929.61	53.2	208929.61	524807.46
1:46:00	1:46:00	51.9	66.9	54.4	50	5:38 PM	154881.66	51.9	154881.66	51.9	154881.66	275422.87
1:47:00	1:47:00	52.2	69.8	55.5	49.9	5:39 PM	165958.69	52.2	165958.69	52.2	165958.69	354813.39
1:48:00	1:48:00	51	70.2	53	49.3	5:40 PM	125892.54	51	125892.54	51.0	125892.54	199526.23
1:49:00	1:49:00	51.8	73.4	54.3	49.9	5:41 PM	151356.12	51.8	151356.12	51.8	151356.12	269153.48
1:50:00	1:50:00	51.1	71.2	53.4	49.5	5:42 PM	128824.96	51.1	128824.96	51.1	128824.96	218776.16
1:51:00	1:51:00	51.7	70	56.7	49	5:43 PM	147910.84	51.7	147910.84	51.7	147910.84	467735.14
1:52:00	1:52:00	51.8	76	62.3	48.7	5:44 PM	151356.12	51.8	151356.12	51.8	151356.12	1698243.65
1:53:00	1:53:00	55.4	78.3	64.6	50.1	5:45 PM	346736.85	55.4	346736.85	55.4	346736.85	2884031.50
1:54:00	1:54:00	53.3	72.4	59.4	49.9	5:46 PM	213796.21	53.3	213796.21	53.3	213796.21	870963.59
1:55:00	1:55:00	59.4	80.4	66	50.1	5:47 PM	870963.59	59.4	870963.59	59.4	870963.59	3981071.71
1:56:00	1:56:00	55.6	79.5	66.6	49.8	5:48 PM	363078.05	55.6	363078.05	55.6	363078.05	4570881.90
1:57:00	1:57:00	52.2	71.8	57.8	49.7	5:49 PM	165958.69	52.2	165958.69	52.2	165958.69	602559.59
1:58:00	1:58:00	55.3	78	62.2	49.2	5:50 PM	338844.16	55.3	338844.16	55.3	338844.16	1659586.91
1:59:00	1:59:00	51.6	69.1	55.2	49.8	5:51 PM	144543.98	51.6	144543.98	51.6	144543.98	331131.12
2:00:00	2:00:00	50.6	69.5	53	48.5	5:52 PM	114815.36	50.6	114815.36	50.6	114815.36	199526.23
2:01:00	2:01:00	50.6	69.2	52.3	48.6	5:53 PM	114815.36	50.6	114815.36	50.6	114815.36	169824.37
2:02:00	2:02:00	50.9	69.8	52.5	48.6	5:54 PM	123026.88	50.9	123026.88	50.9	123026.88	177827.94
2:03:00	2:03:00	52.8	69.9	56.6	49.8	5:55 PM	190546.07	52.8	190546.07	52.8	190546.07	457088.19
2:04:00	2:04:00	52.1	72.3	58.3	49.1	5:56 PM	162181.01	52.1	162181.01	52.1	162181.01	676082.98
2:05:00	2:05:00	53.9	76.5	61.9	49.1	5:57 PM	245470.89	53.9	245470.89	53.9	245470.89	1548816.62
2:06:00	2:06:00	50.5	68.6	52.5	48.2	5:58 PM	112201.85	50.5	112201.85	50.5	112201.85	177827.94
2:07:00	2:07:00	51.2	67	53	49.5	5:59 PM	131825.67	51.2	131825.67	51.2	131825.67	199526.23
2:08:00	2:08:00	51.6	70.8	53.8	49.2	6:00 PM	144543.98	51.6	144543.98	51.6	144543.98	239883.29
2:09:00	2:09:00	50.8	68.8	52.5	49.1	6:01 PM	120226.44	50.8	120226.44	50.8	120226.44	177827.94
2:10:00	2:10:00	50.6	70.5	55.4	48.4	6:02 PM	114815.36	50.6	114815.36	50.6	114815.36	346736.85
2:11:00	2:11:00	50.9	67.4	52.6	49.2	6:03 PM	123026.88	50.9	123026.88	50.9	123026.88	181970.09
2:12:00	2:12:00	54.7	78.4	64	49.5	6:04 PM	295120.92	54.7	295120.92	54.7	295120.92	2511886.43
2:13:00	2:13:00	53.3	71	58.3	49.8	6:05 PM	213796.21	53.3	213796.21	53.3	213796.21	676082.98
2:14:00	2:14:00	51.9	72.4	54.7	49.5	6:06 PM	154881.66	51.9	154881.66	51.9	154881.66	295120.92
2:15:00	2:15:00	51.1	69.8	53.4	49.1	6:07 PM	128824.96	51.1	128824.96	51.1	128824.96	218776.16
2:16:00	2:16:00	51.1	71.7	52.9	49.3	6:08 PM	128824.96	51.1	128824.96	51.1	128824.96	194984.46
2:17:00	2:17:00	52	72	54.6	49.6	6:09 PM	158489.32	52	158489.32	52.0	158489.32	288403.15
2:18:00	2:18:00	52.3	74.5	55	50.7	6:10 PM	169824.37	52.3	169824.37	52.3	169824.37	316227.77
2:19:00	2:19:00	52.6	71.5	56.3	50.9	6:11 PM	181970.09	52.6	181970.09	52.6	181970.09	426579.52
2:20:00	2:20:00	52.3	71.3	54.3	50.5	6:12 PM	169824.37	52.3	169824.37	52.3	169824.37	269153.48
2:21:00	2:21:00	54.5	71.2	57.8	50.9	6:13 PM	281838.29	54.5	281838.29	54.5	281838.29	602559.59
2:22:00	2:22:00	51.5	69.8	53.9	49.4	6:14 PM	141253.75	51.5	141253.75	51.5	141253.75	245470.89
2:23:00	2:23:00	54.3	76.6	62.7	50.3	6:15 PM	269153.48	54.3	269153.48	54.3	269153.48	1862087.14
2:24:00	2:24:00	57.5	82.8	68.6	50.6	6:16 PM	562341.33	57.5	562341.33	57.5	562341.33	7244359.60
2:25:00	2:25:00	53.3	70.4	57.7	50.4	6:17 PM	213796.21	53.3	213796.21	53.3	213796.21	588843.66
2:26:00	2:26:00	52.7	68.7	55	50.3	6:18 PM	186208.71	52.7	186208.71	52.7	186208.71	316227.77
2:27:00	2:27:00	52.3	71	55.1	50	6:19 PM	169824.37	52.3	169824.37	52.3	169824.37	323593.66
2:28:00	2:28:00	53.2	72.7	58.1	49.7	6:20 PM	208929.61	53.2	208929.61	53.2	208929.61	645654.23
2:29:00	2:29:00	52.1	74.6	54.7	49.9	6:21 PM	162181.01	52.1	162181.01	52.1	162181.01	295120.92
2:30:00	2:30:00	52.7	67.7	54.5	50.8	6:22 PM	186208.71	52.7	186208.71	52.7	186208.71	281838.29
2:31:00	2:31:00	53.4	69.7	57.1	50.6	6:23 PM	218776.16	53.4	218776.16	53.4	218776.16	512861.38
2:32:00	2:32:00	53.9	72.6	58	50.5	6:24 PM	245470.89	53.9	245470.89	53.9	245470.89	630957.84
2:33:00	2:33:00	51.7	67.3	54.2	49.6	6:25 PM	147910.84	51.7	147910.84	51.7	147910.84	263026.80
2:34:00	2:34:00	52.5	69.7	55.7	50.7	6:26 PM	177827.94	52.5	177827.94	52.5	177827.94	371535.23
2:35:00	2:35:00	52.8	69.6	55.3	50.3	6:27 PM	190546.07	52.8	190546.07	52.8	190546.07	338844.16
2:36:00	2:36:00	52.4	71.2	55	50	6:28 PM	173780.08	52.4	173780.08	52.4	173780.08	316227.77
2:37:00	2:37:00	53.7	71.5	56.9	51.1	6:29 PM	234422.88	53.7	234422.88	53.7	234422.88	489778.82
2:38:00	2:38:00	52.5	71.9	54.4	50.2	6:30 PM	177827.94	52.5	177827.94	52.5	177827.94	275422.87
2:39:00	2:39:00	52	70.4	54.7	49.9	6:31 PM	158489.32	52	158489.32	52.0	158489.32	295120.92
2:40:00	2:40:00	52.4	74.6	55.3	50.2	6:32 PM	173780.08	52.4	173780.08	52.4	173780.08	338844.16
2:41:00	2:41:00	53.3	71	56.8	50.4	6:33 PM	213796.21	53.3	213796.21	53.3	213796.21	478630.09
2:42:00	2:42:00	53	72.9	56.5	49.6	6:34 PM	199526.23	53	199526.23	53.0	199526.23	446683.59
2:43:00	2:43:00	51.6	70.9	54	49.9	6:35 PM	144543.98	51.6	144543.98	51.6	144543.98	251188.64
2:44:00	2:44:00	52.6	74.9	56.2	50.4	6:36 PM	181970.09	52.6	181970.09	52.6	181970.09	416869.38
2:45:00	2:45:00	52.1	72.3	55	49.7	6:37 PM	162181.01	52.1	162181.01	52.1	162181.01	316227.77
2:46:00	2:46:00	51.9	69.8	54.7	49.7	6:38 PM	154881.66	51.9	154881.66	51.9	154881.66	295120.92
2:47:00	2:47:00	51.7	69.2	54.2	49.9	6:39 PM	147910.84	51.7	147910.84	51.7	147910.84	263026.80
2:48:00	2:48:00	54.9	77.6	64.4	49.4	6:40 PM	309029.54	54.9	309029.54	54.9	309029.54	2754228.70
2:49:00	2:49:00	55.1	71.2	56.7	54.2	6:41 PM	323593.66	55.1	323593.66	55.1	323593.66	467735.14
2:50:00	2:50:00	56.3	73.8	58.5	54.9	6:42 PM	426579.52	56.3	426579.52	56.3	426579.52	707945.78
2:51:00	2:51:00	54.6	70.8	56.4	53.1	6:43 PM	288403.15	54.6	288403.15	54.6	288403.15	436515.83
2:52:00	2:52:00	55.7	75.7	63.6	53.4	6:44 PM	371535.23	55.7	371535.23	55.7	371535.23	2290867.65
2:53:00	2:53:00	55	75.8	56.8	53.5	6:45 PM	316227.77	55	316227.77	55.0	316227.77	478630.09
2:54:00	2:54:00	54.9	72.9	56.9	53.6	6:46 PM	309029.54	54.9	309029.54	54.9	309029.54	489778.82
2:55:00	2:55:00	66	89.9	75.4	54.3	6:47 PM	3981071.71	66	3981071.71	66.0	3981071.71	34673685.05
2:56:00	2:56:00	57.6	79.1	69	50.4	6:48 PM	575439.94	57.6	575439.94	57.6	575439.94	7943282.35
2:57:00	2:57:00	52.1	68.9	55.6	49.9	6:49 PM	162181.01	52.1	162181.01	52.1	162181.01	363078.05
2:58:00	2:58:00	52.8	71.2	57.2	49.7	6:50 PM	190546.07	52.8	190546.07	52.8	190546.07	524807.46
2:59:00	2:59:00	52.4	71.3	55.3	49.8	6:51 PM	173780.08	52.4	173780.08	52.4	173780.08	338844.16
3:00:00	3:00:00	54.2	77.4	61.2	49.8	6:52 PM	263026.80	54.2	263026.80	54.2	263026.80	1318256.74
3:01:00	3:01:00	52.7	70	55	50.6	6:53 PM	186208.71	52.7	186208.71	52.7	186208.71	316227.77
3:02:00	3:02:00	52.7	71.3	55.8	50	6:54 PM	186208.71	52.7	186208.71	52.7	186208.71	380189.40
3:03:00	3:03:00	63.2	86.9									

3:26:00	3:26:00	53.3	73.2	56.6	50.3	7:18 PM	213796.21	58.3	676082.98	53.3	213796.21	457088.19
3:27:00	3:27:00	52.6	71.8	55.5	50.8	7:19 PM	181970.09	57.6	575439.94	52.6	181970.09	354813.39
3:28:00	3:28:00	53.1	73.6	56.4	50.5	7:20 PM	204173.79	58.1	645654.23	53.1	204173.79	436515.83
3:29:00	3:29:00	53.4	71.2	55.9	51.5	7:21 PM	218776.16	58.4	691830.97	53.4	218776.16	389045.14
3:30:00	3:30:00	52.7	72.5	56.5	50	7:22 PM	186208.71	57.7	588843.66	52.7	186208.71	446683.59
3:31:00	3:31:00	52.7	70.4	56.2	50.7	7:23 PM	186208.71	57.7	588843.66	52.7	186208.71	416869.38
3:32:00	3:32:00	52.7	69.9	57.2	50.3	7:24 PM	186208.71	57.7	588843.66	52.7	186208.71	524807.46
3:33:00	3:33:00	52.3	70.3	55.6	50.1	7:25 PM	169824.37	57.3	537031.80	52.3	169824.37	363078.05
3:34:00	3:34:00	52.3	72.6	55.2	50.3	7:26 PM	169824.37	57.3	537031.80	52.3	169824.37	331131.12
3:35:00	3:35:00	53.7	77.3	63.3	50.4	7:27 PM	234422.88	58.7	741310.24	53.7	234422.88	2137962.09
3:36:00	3:36:00	53	70.7	56.7	50.3	7:28 PM	199526.23	58	630957.34	53.0	199526.23	467735.14
3:37:00	3:37:00	52.4	69.8	56	50.4	7:29 PM	173780.08	57.4	549540.87	52.4	173780.08	398107.17
3:38:00	3:38:00	53.7	73.3	59.1	50.1	7:30 PM	234422.88	58.7	741310.24	53.7	234422.88	812830.52
3:39:00	3:39:00	52.9	69.7	56.5	50.8	7:31 PM	194984.46	57.9	616595.00	52.9	194984.46	446683.59
3:40:00	3:40:00	53.1	72.1	58.2	50.3	7:32 PM	204173.79	58.1	645654.23	53.1	204173.79	660693.45
3:41:00	3:41:00	52.3	68.4	55.6	50	7:33 PM	169824.37	57.3	537031.80	52.3	169824.37	363078.05
3:42:00	3:42:00	53.2	71.7	58.2	50.1	7:34 PM	208929.61	58.2	660693.45	53.2	208929.61	660693.45
3:43:00	3:43:00	52.7	70.4	56.3	49.9	7:35 PM	186208.71	57.7	588843.66	52.7	186208.71	426579.52
3:44:00	3:44:00	53.4	70.8	57.9	50.7	7:36 PM	218776.16	58.4	691830.97	53.4	218776.16	616595.00
3:45:00	3:45:00	51.8	69.6	54.8	49.4	7:37 PM	151356.12	56.8	478630.09	51.8	151356.12	301995.17
3:46:00	3:46:00	52	72.2	55.5	49.1	7:38 PM	158489.32	57	501187.23	52.0	158489.32	354813.39
3:47:00	3:47:00	52.9	73.4	57.1	49.9	7:39 PM	194984.46	57.9	616595.00	52.9	194984.46	512861.38
3:48:00	3:48:00	52	72.3	54.8	49.7	7:40 PM	158489.32	57	501187.23	52.0	158489.32	301995.17
3:49:00	3:49:00	52.1	71.5	55.9	49.6	7:41 PM	162181.01	57.1	512861.38	52.1	162181.01	389045.14
3:50:00	3:50:00	52.1	73.6	55.6	49.7	7:42 PM	162181.01	57.1	512861.38	52.1	162181.01	363078.05
3:51:00	3:51:00	52.4	71.8	55.6	49.8	7:43 PM	173780.08	57.4	549540.87	52.4	173780.08	363078.05
3:52:00	3:52:00	52.5	69.9	55.8	49.6	7:44 PM	177827.94	57.5	562341.33	52.5	177827.94	380189.40
3:53:00	3:53:00	52.7	72.3	55.8	50.4	7:45 PM	186208.71	57.7	588843.66	52.7	186208.71	380189.40
3:54:00	3:54:00	51.9	72.9	55.3	49.5	7:46 PM	154881.66	56.9	489778.82	51.9	154881.66	338844.16
3:55:00	3:55:00	51.9	70.3	55.4	49.5	7:47 PM	154881.66	56.9	489778.82	51.9	154881.66	346736.85
3:56:00	3:56:00	53	72.8	56.6	49.8	7:48 PM	199526.23	58	630957.34	53.0	199526.23	457088.19
3:57:00	3:57:00	56.5	80.3	67	50.8	7:49 PM	446683.59	61.5	1412537.54	56.5	446683.59	5011872.34
3:58:00	3:58:00	52	71.2	54.6	49.8	7:50 PM	158489.32	57	501187.23	52.0	158489.32	288403.15
3:59:00	3:59:00	51.7	68	54.8	49.4	7:51 PM	147910.84	56.7	467735.14	51.7	147910.84	301995.17
4:00:00	4:00:00	52.1	75.2	59.4	49.6	7:52 PM	162181.01	57.1	512861.38	52.1	162181.01	870963.59
4:01:00	4:01:00	51.4	68.9	53.8	48.8	7:53 PM	138038.43	56.4	436515.83	51.4	138038.43	239883.29
4:02:00	4:02:00	51.9	70.2	54.9	49.9	7:54 PM	154881.66	56.9	489778.82	51.9	154881.66	309029.54
4:03:00	4:03:00	51.3	70	54.2	49.8	7:55 PM	134896.29	56.3	426579.52	51.3	134896.29	263026.80
4:04:00	4:04:00	52	70.6	54.3	49.9	7:56 PM	158489.32	57	501187.23	52.0	158489.32	269153.48
4:05:00	4:05:00	51.6	70.6	56.6	49.4	7:57 PM	144543.98	56.6	457088.19	51.6	144543.98	457088.19
4:06:00	4:06:00	51.9	69.3	55.6	49.8	7:58 PM	154881.66	56.9	489778.82	51.9	154881.66	363078.05
4:07:00	4:07:00	51.6	68.2	55.7	48.7	7:59 PM	144543.98	56.6	457088.19	51.6	144543.98	371535.23
4:08:00	4:08:00	51.8	69.6	55.1	49.4	8:00 PM	151356.12	56.8	478630.09	51.8	151356.12	323593.66
4:09:00	4:09:00	57.5	81.8	68.7	49.7	8:01 PM	562341.33	62.5	1778279.41	57.5	562341.33	7413102.41
4:10:00	4:10:00	52.2	71.2	55.2	49.9	8:02 PM	165958.69	57.2	524807.46	52.2	165958.69	331131.12
4:11:00	4:11:00	53.3	73.1	56.3	50	8:03 PM	213796.21	58.3	676082.98	53.3	213796.21	426579.52
4:12:00	4:12:00	53.8	75	57.2	50.7	8:04 PM	239883.29	58.8	758577.58	53.8	239883.29	524807.46
4:13:00	4:13:00	52.7	77.1	56.9	49.6	8:05 PM	186208.71	57.7	588843.66	52.7	186208.71	489778.82
4:14:00	4:14:00	52.1	76.6	57.4	49.7	8:06 PM	162181.01	57.1	512861.38	52.1	162181.01	549540.87
4:15:00	4:15:00	52.3	71	55.7	49.5	8:07 PM	169824.37	57.3	537031.80	52.3	169824.37	371535.23
4:16:00	4:16:00	53.5	75.6	61	49.7	8:08 PM	223872.11	58.5	707945.78	53.5	223872.11	1258925.41
4:17:00	4:17:00	51.7	76.5	55.4	49.1	8:09 PM	147910.84	56.7	467735.14	51.7	147910.84	346736.85
4:18:00	4:18:00	52.7	70.9	56.8	49.6	8:10 PM	186208.71	57.7	588843.66	52.7	186208.71	478630.09
4:19:00	4:19:00	52.7	68.8	56.4	50.3	8:11 PM	186208.71	57.7	588843.66	52.7	186208.71	436515.83
4:20:00	4:20:00	51.3	67.4	53.9	49.4	8:12 PM	134896.29	56.3	426579.52	51.3	134896.29	245470.89
4:21:00	4:21:00	52	68.8	55.2	49.4	8:13 PM	158489.32	57	501187.23	52.0	158489.32	331131.12
4:22:00	4:22:00	51.8	69.4	54.8	49.6	8:14 PM	151356.12	56.8	478630.09	51.8	151356.12	301995.17
4:23:00	4:23:00	51.7	69.7	55	49.7	8:15 PM	147910.84	56.7	467735.14	51.7	147910.84	316227.77
4:24:00	4:24:00	52.2	68.1	54.7	49.8	8:16 PM	165958.69	57.2	524807.46	52.2	165958.69	295120.92
4:25:00	4:25:00	51.9	68.7	55.2	49.5	8:17 PM	154881.66	56.9	489778.82	51.9	154881.66	331131.12
4:26:00	4:26:00	51.5	68.8	54.5	49.5	8:18 PM	141253.75	56.5	446683.59	51.5	141253.75	281838.29
4:27:00	4:27:00	51.4	73.1	54.7	49.8	8:19 PM	138038.43	56.4	436515.83	51.4	138038.43	295120.92
4:28:00	4:28:00	51.4	69	54.1	49	8:20 PM	138038.43	56.4	436515.83	51.4	138038.43	257039.58
4:29:00	4:29:00	53	70.5	56.9	50.9	8:21 PM	199526.23	58	630957.34	53.0	199526.23	489778.82
4:30:00	4:30:00	53.4	73.7	60.7	50.7	8:22 PM	218776.16	58.4	691830.97	53.4	218776.16	1174897.55
4:31:00	4:31:00	53.5	74.4	60.3	50	8:23 PM	223872.11	58.5	707945.78	53.5	223872.11	1071519.31
4:32:00	4:32:00	51.6	71	53.9	49.6	8:24 PM	144543.98	56.6	457088.19	51.6	144543.98	245470.89
4:33:00	4:33:00	52.3	74	56.2	49.8	8:25 PM	169824.37	57.3	537031.80	52.3	169824.37	416869.38
4:34:00	4:34:00	53.1	71.8	56.2	50.6	8:26 PM	204173.79	58.1	645654.23	53.1	204173.79	416869.38
4:35:00	4:35:00	51.4	69.3	54.4	49.5	8:27 PM	138038.43	56.4	436515.83	51.4	138038.43	275422.87
4:36:00	4:36:00	51.6	72.1	54.2	49.1	8:28 PM	144543.98	56.6	457088.19	51.6	144543.98	263026.80
4:37:00	4:37:00	53.8	73.8	61	50.3	8:29 PM	239883.29	58.8	758577.58	53.8	239883.29	1258925.41
4:38:00	4:38:00	53.1	73.7	58.9	49.2	8:30 PM	204173.79	58.1	645654.23	53.1	204173.79	776247.12
4:39:00	4:39:00	52	74.9	55.6	49.4	8:31 PM	158489.32	57	501187.23	52.0	158489.32	363078.05
4:40:00	4:40:00	51.4	73.9	54.9	49.2	8:32 PM	138038.43	56.4	436515.83	51.4	138038.43	309029.54
4:41:00	4:41:00	51.9	71.9	55.3	49.7	8:33 PM	154881.66	56.9	489778.82	51.9	154881.66	338844.16
4:42:00	4:42:00	51.8	68.9	55	49.5	8:34 PM	151356.12	56.8	478630.09	51.8	151356.12	316227.77
4:43:00	4:43:00	51.9	72.1	55.4	49.3	8:35 PM	154881.66	56.9	489778.82	51.9	154881.66	346736.85
4:44:00	4:44:00	52.1	70.6	55.7	49.5	8:36 PM	162181.01	57.1	512861.38	52.1	162181.01	371535.23
4:45:00	4:45:00	52.7	69.7	56.7	49.7	8:37 PM	186208.71	57.7	588843.66	52.7	186208.71	467735.14
4:46:00	4:46:00	51.6	68.6	55.5	49.3	8:38 PM	144543.98	56.6	457088.19	51.6	144543.98	354813.39
4:47:00	4:47:00	55	75.7	63.4	49.2	8:39 PM	316227.77	60	1000000.00	55.0	316227.77	2187761.62
4:48:00	4:48:00	51.3	71.1	54.4	49.1	8:40 PM	13					

Data

5:11:00	5:11:00	52.3	70.9	54.4	50.3	9:03 PM	169824.37	57.3	537031.80	52.3	169824.37	275422.87
5:12:00	5:12:00	52	71	54.8	49.8	9:04 PM	158489.32	57	501187.23	52.0	158489.32	301995.17
5:13:00	5:13:00	51.7	68.1	54.7	49.7	9:05 PM	147910.84	56.7	467735.14	51.7	147910.84	295120.92
5:14:00	5:14:00	52.1	69.9	54.8	49.5	9:06 PM	162181.01	57.1	512861.38	52.1	162181.01	301995.17
5:15:00	5:15:00	51.7	69.5	56.3	49.7	9:07 PM	147910.84	56.7	467735.14	51.7	147910.84	426579.52
5:16:00	5:16:00	51.8	70.3	54.6	49.5	9:08 PM	151356.12	56.8	478630.09	51.8	151356.12	288403.15
5:17:00	5:17:00	54.2	80.4	61.7	50	9:09 PM	263026.80	59.2	831763.77	54.2	263026.80	1479108.39
5:18:00	5:18:00	52.2	70.6	55.3	50.1	9:10 PM	165958.69	57.2	524807.46	52.2	165958.69	338844.16
5:19:00	5:19:00	52.9	72	56	50.3	9:11 PM	194984.46	57.9	616595.00	52.9	194984.46	398107.17
5:20:00	5:20:00	52.1	71.8	54.5	50.3	9:12 PM	162181.01	57.1	512861.38	52.1	162181.01	281838.29
5:21:00	5:21:00	54	73.4	59.6	50.6	9:13 PM	251188.64	59	794328.23	54.0	251188.64	912010.84
5:22:00	5:22:00	52	73.2	55.5	49.7	9:14 PM	158489.32	57	501187.23	52.0	158489.32	354813.39
5:23:00	5:23:00	51.9	71.2	54.1	49.8	9:15 PM	154881.66	56.9	489778.82	51.9	154881.66	257039.58
5:24:00	5:24:00	51.4	72.4	54.5	49.3	9:16 PM	138038.43	56.4	436515.83	51.4	138038.43	281838.29
5:25:00	5:25:00	52	72.2	54.5	49.9	9:17 PM	158489.32	57	501187.23	52.0	158489.32	281838.29
5:26:00	5:26:00	52	70.8	55.6	49.8	9:18 PM	158489.32	57	501187.23	52.0	158489.32	363078.05
5:27:00	5:27:00	52	69.3	54	50.1	9:19 PM	158489.32	57	501187.23	52.0	158489.32	251188.64
5:28:00	5:28:00	52.6	73.9	61.9	49.5	9:20 PM	181970.09	57.6	575439.94	52.6	181970.09	1548816.62
5:29:00	5:29:00	51.4	69.5	54.2	49.5	9:21 PM	138038.43	56.4	436515.83	51.4	138038.43	263026.80
5:30:00	5:30:00	51.5	76.5	53.7	49.3	9:22 PM	141253.75	56.5	446683.59	51.5	141253.75	234422.88
5:31:00	5:31:00	51.1	66.7	53.3	49.1	9:23 PM	128824.96	56.1	407380.28	51.1	128824.96	213796.21
5:32:00	5:32:00	51.7	67.7	53.9	49.1	9:24 PM	147910.84	56.7	467735.14	51.7	147910.84	245470.89
5:33:00	5:33:00	51.7	68.2	54.7	49.7	9:25 PM	147910.84	56.7	467735.14	51.7	147910.84	295120.92
5:34:00	5:34:00	52.6	68.3	54.7	50.1	9:26 PM	181970.09	57.6	575439.94	52.6	181970.09	295120.92
5:35:00	5:35:00	53.2	73.1	62.3	49.9	9:27 PM	208929.61	58.2	660693.45	53.2	208929.61	1698243.65
5:36:00	5:36:00	54.6	74.7	62.6	49.4	9:28 PM	288403.15	59.6	912010.84	54.6	288403.15	1819700.86
5:37:00	5:37:00	51.7	67.8	54.5	49.7	9:29 PM	147910.84	56.7	467735.14	51.7	147910.84	281838.29
5:38:00	5:38:00	53	75.6	57.1	50.4	9:30 PM	199526.23	58	630957.34	53.0	199526.23	512861.38
5:39:00	5:39:00	52.1	70	54.4	49.6	9:31 PM	162181.01	57.1	512861.38	52.1	162181.01	275422.87
5:40:00	5:40:00	51.8	69.5	54.1	49.9	9:32 PM	151356.12	56.8	478630.09	51.8	151356.12	257039.58
5:41:00	5:41:00	51.8	72.8	56.1	49.7	9:33 PM	151356.12	56.8	478630.09	51.8	151356.12	407380.28
5:42:00	5:42:00	52.3	74	54.9	50	9:34 PM	169824.37	57.3	537031.80	52.3	169824.37	309029.54
5:43:00	5:43:00	51.8	74.3	54.8	49.5	9:35 PM	151356.12	56.8	478630.09	51.8	151356.12	301995.17
5:44:00	5:44:00	52.1	73.1	55.1	49.8	9:36 PM	162181.01	57.1	512861.38	52.1	162181.01	323593.66
5:45:00	5:45:00	52	73.6	55.4	49.8	9:37 PM	158489.32	57	501187.23	52.0	158489.32	346736.85
5:46:00	5:46:00	51.8	70.4	54.1	49.8	9:38 PM	151356.12	56.8	478630.09	51.8	151356.12	257039.58
5:47:00	5:47:00	52.2	76.4	55.9	49.6	9:39 PM	165958.69	57.2	524807.46	52.2	165958.69	389045.14
5:48:00	5:48:00	52.3	77.7	55.1	50.2	9:40 PM	169824.37	57.3	537031.80	52.3	169824.37	323593.66
5:49:00	5:49:00	54	74	60.9	50.5	9:41 PM	251188.64	59	794328.23	54.0	251188.64	1230268.77
5:50:00	5:50:00	52	69.5	54.3	49.9	9:42 PM	158489.32	57	501187.23	52.0	158489.32	269153.48
5:51:00	5:51:00	52.6	72.4	59.5	49.9	9:43 PM	181970.09	57.6	575439.94	52.6	181970.09	891250.94
5:52:00	5:52:00	52.3	68.7	54.3	50.2	9:44 PM	169824.37	57.3	537031.80	52.3	169824.37	269153.48
5:53:00	5:53:00	52	68	54.6	49.7	9:45 PM	158489.32	57	501187.23	52.0	158489.32	288403.15
5:54:00	5:54:00	52.6	70.6	54.7	50.6	9:46 PM	181970.09	57.6	575439.94	52.6	181970.09	295120.92
5:55:00	5:55:00	52.2	70	55.6	50.1	9:47 PM	165958.69	57.2	524807.46	52.2	165958.69	363078.05
5:56:00	5:56:00	51.8	67.5	53.7	49.7	9:48 PM	151356.12	56.8	478630.09	51.8	151356.12	234422.88
5:57:00	5:57:00	52	68.1	54.9	50	9:49 PM	158489.32	57	501187.23	52.0	158489.32	309029.54
5:58:00	5:58:00	52.3	68.7	55	50	9:50 PM	169824.37	57.3	537031.80	52.3	169824.37	316227.77
5:59:00	5:59:00	52.9	75.2	60.3	49.9	9:51 PM	194984.46	57.9	616595.00	52.9	194984.46	1071519.31
6:00:00	6:00:00	52.2	69.2	55.4	50.2	9:52 PM	165958.69	57.2	524807.46	52.2	165958.69	346736.85
6:01:00	6:01:00	51.8	68.1	54.4	50.3	9:53 PM	151356.12	56.8	478630.09	51.8	151356.12	275422.87
6:02:00	6:02:00	52.5	70.6	54.9	50.3	9:54 PM	177827.94	57.5	562341.33	52.5	177827.94	309029.54
6:03:00	6:03:00	53.3	72.7	57.1	50.1	9:55 PM	213796.21	58.3	676082.98	53.3	213796.21	512861.38
6:04:00	6:04:00	53.6	74.6	56.8	50.7	9:56 PM	229086.77	58.6	724435.96	53.6	229086.77	478630.09
6:05:00	6:05:00	52.6	72.4	55.7	50.4	9:57 PM	181970.09	57.6	575439.94	52.6	181970.09	371535.23
6:06:00	6:06:00	52.8	74.8	56.3	49.9	9:58 PM	190546.07	57.8	602559.59	52.8	190546.07	426579.52
6:07:00	6:07:00	52	72	54.9	49.6	9:59 PM	158489.32	57	501187.23	52.0	158489.32	309029.54
6:08:00	6:08:00	51.8	72.2	54.6	49.7	10:00 PM	151356.12	56.8	478630.09	51.8	151356.12	288403.15
6:09:00	6:09:00	52.8	73.3	57.6	49.3	10:01 PM	190546.07	62.8	1905460.72	62.8	1905460.72	575439.94
6:10:00	6:10:00	52.2	75.1	54.8	49.8	10:02 PM	165958.69	62.2	1659586.91	62.2	1659586.91	301995.17
6:11:00	6:11:00	52.8	73.9	59.4	49.5	10:03 PM	190546.07	62.8	1905460.72	62.8	1905460.72	870963.59
6:12:00	6:12:00	52.1	72.2	54.9	49.7	10:04 PM	162181.01	62.1	1621810.10	62.1	1621810.10	309029.54
6:13:00	6:13:00	52	70.3	54.6	49.7	10:05 PM	158489.32	62	1584893.19	62.0	1584893.19	288403.15
6:14:00	6:14:00	52.2	74	55.8	50	10:06 PM	165958.69	62.2	1659586.91	62.2	1659586.91	380189.40
6:15:00	6:15:00	52	72.9	55.1	49.8	10:07 PM	158489.32	62	1584893.19	62.0	1584893.19	323593.66
6:16:00	6:16:00	51.6	71	54.8	49.5	10:08 PM	144543.98	61.6	1445439.77	61.6	1445439.77	301995.17
6:17:00	6:17:00	52	70.6	55.5	49.9	10:09 PM	158489.32	62	1584893.19	62.0	1584893.19	354813.39
6:18:00	6:18:00	51.7	67.8	54.5	49.7	10:10 PM	147910.84	61.7	1479108.39	61.7	1479108.39	281838.29
6:19:00	6:19:00	53.7	73.5	60.1	49.7	10:11 PM	234422.88	63.7	2344228.82	63.7	2344228.82	1023292.99
6:20:00	6:20:00	52	73.2	55.9	49.5	10:12 PM	158489.32	62	1584893.19	62.0	1584893.19	389045.14
6:21:00	6:21:00	52.9	72.1	57.4	50	10:13 PM	194984.46	62.9	1949844.60	62.9	1949844.60	549540.87
6:22:00	6:22:00	52	68.3	55.4	50	10:14 PM	158489.32	62	1584893.19	62.0	1584893.19	346736.85
6:23:00	6:23:00	51.7	68.3	54.2	50	10:15 PM	147910.84	61.7	1479108.39	61.7	1479108.39	263026.80
6:24:00	6:24:00	52.1	70.5	55.5	50.1	10:16 PM	162181.01	62.1	1621810.10	62.1	1621810.10	354813.39
6:25:00	6:25:00	52.4	71.6	55.6	50.3	10:17 PM	173780.08	62.4	1737800.83	62.4	1737800.83	363078.05
6:26:00	6:26:00	53.5	74.4	56.8	50.8	10:18 PM	223872.11	63.5	2238721.14	63.5	2238721.14	478630.09
6:27:00	6:27:00	53.3	77.3	59.9	50.4	10:19 PM	213796.21	63.3	2137962.09	63.3	2137962.09	977237.22
6:28:00	6:28:00	55.6	79.2	63.7	50.5	10:20 PM	363078.05	65.6	3630780.55	65.6	3630780.55	2344228.82
6:29:00	6:29:00	53.4	73.6	57.1	50.7	10:21 PM	218776.16	63.4	2187761.62	63.4	2187761.62	512861.38
6:30:00	6:30:00	52.7	74	57	49.5	10:22 PM	186208.71	62.7	1862087.14	62.7	1862087.14	501187.23
6:31:00	6:31:00	52.4	74.3	56.3	50.4	10:23 PM	173780.08	62.4	1737800.83	62.4	1737800.83	426579.52
6:32:00	6:32:00	53.2	72.5	56.2	51.1	10:24 PM	208929.61	63.2	2089296.13	63.2	2089296.13	416869.38
6:33:00	6:33:0											

Data

6:56:00	6:56:00	53.2	72	55.6	51.3	10:48 PM	208929.61	63.2	2089296.13	63.2	2089296.13	363078.05
6:57:00	6:57:00	53.1	75	57.4	50.6	10:49 PM	204173.79	63.1	2041737.94	63.1	2041737.94	549540.87
6:58:00	6:58:00	53.5	72.8	57.9	50.8	10:50 PM	223872.11	63.5	2238721.14	63.5	2238721.14	616595.00
6:59:00	6:59:00	53.2	71.8	56.7	50.8	10:51 PM	208929.61	63.2	2089296.13	63.2	2089296.13	467735.14
7:00:00	7:00:00	53.4	81.3	58.8	50.4	10:52 PM	218776.16	63.4	2187761.62	63.4	2187761.62	758577.58
7:01:00	7:01:00	53.1	70.1	57.3	50.4	10:53 PM	204173.79	63.1	2041737.94	63.1	2041737.94	537031.80
7:02:00	7:02:00	53.1	80.3	56.3	50.2	10:54 PM	204173.79	63.1	2041737.94	63.1	2041737.94	426579.52
7:03:00	7:03:00	52.3	69.8	54.9	50.4	10:55 PM	169824.37	62.3	1698243.65	62.3	1698243.65	309029.54
7:04:00	7:04:00	52.7	80	55.5	50.8	10:56 PM	186208.71	62.7	1862087.14	62.7	1862087.14	354813.39
7:05:00	7:05:00	53.7	78.8	56.3	50	10:57 PM	234422.88	63.7	2344228.82	63.7	2344228.82	426579.52
7:06:00	7:06:00	52.2	70.5	55	49.9	10:58 PM	165958.69	62.2	1659586.91	62.2	1659586.91	316227.77
7:07:00	7:07:00	52.2	68.9	54.8	49.6	10:59 PM	165958.69	62.2	1659586.91	62.2	1659586.91	301995.17
7:08:00	7:08:00	53.1	73.1	59.2	49.6	11:00 PM	204173.79	63.1	2041737.94	63.1	2041737.94	831763.77
7:09:00	7:09:00	52.1	68.4	55.4	49.3	11:01 PM	162181.01	62.1	1621810.10	62.1	1621810.10	346736.85
7:10:00	7:10:00	51.9	69	55.1	49.3	11:02 PM	154881.66	61.9	1548816.62	61.9	1548816.62	323593.66
7:11:00	7:11:00	52.2	70.1	55.4	49.6	11:03 PM	165958.69	62.2	1659586.91	62.2	1659586.91	346736.85
7:12:00	7:12:00	52.2	69.3	55	49.5	11:04 PM	165958.69	62.2	1659586.91	62.2	1659586.91	316227.77
7:13:00	7:13:00	52.4	71.8	56.3	49.9	11:05 PM	173780.08	62.4	1737800.83	62.4	1737800.83	426579.52
7:14:00	7:14:00	52.3	72.6	56.3	50.3	11:06 PM	169824.37	62.3	1698243.65	62.3	1698243.65	426579.52
7:15:00	7:15:00	52.3	74.8	55.3	49.7	11:07 PM	169824.37	62.3	1698243.65	62.3	1698243.65	338844.16
7:16:00	7:16:00	52.3	75.2	55.5	49.9	11:08 PM	169824.37	62.3	1698243.65	62.3	1698243.65	354813.39
7:17:00	7:17:00	52.5	70	56	49.8	11:09 PM	177827.94	62.5	1778279.41	62.5	1778279.41	398107.17
7:18:00	7:18:00	52.5	73.6	55.3	49.9	11:10 PM	177827.94	62.5	1778279.41	62.5	1778279.41	338844.16
7:19:00	7:19:00	52.7	75	55.9	50.1	11:11 PM	186208.71	62.7	1862087.14	62.7	1862087.14	389045.14
7:20:00	7:20:00	52.3	74.8	55.3	49.9	11:12 PM	169824.37	62.3	1698243.65	62.3	1698243.65	338844.16
7:21:00	7:21:00	52.3	74.7	55.2	49.9	11:13 PM	169824.37	62.3	1698243.65	62.3	1698243.65	331131.12
7:22:00	7:22:00	52.4	70.5	55.6	49.8	11:14 PM	173780.08	62.4	1737800.83	62.4	1737800.83	363078.05
7:23:00	7:23:00	51.9	68	54.6	49.5	11:15 PM	154881.66	61.9	1548816.62	61.9	1548816.62	288403.15
7:24:00	7:24:00	52.1	67.8	55	49.2	11:16 PM	162181.01	62.1	1621810.10	62.1	1621810.10	316227.77
7:25:00	7:25:00	52.2	68.5	55.2	49.5	11:17 PM	165958.69	62.2	1659586.91	62.2	1659586.91	331131.12
7:26:00	7:26:00	52.1	68.7	56	49.1	11:18 PM	162181.01	62.1	1621810.10	62.1	1621810.10	398107.17
7:27:00	7:27:00	52.2	68.5	56	49	11:19 PM	165958.69	62.2	1659586.91	62.2	1659586.91	398107.17
7:28:00	7:28:00	52	69	55.6	49.1	11:20 PM	158489.32	62	1584893.19	62.0	1584893.19	363078.05
7:29:00	7:29:00	52.2	70.3	55.3	49.3	11:21 PM	165958.69	62.2	1659586.91	62.2	1659586.91	338844.16
7:30:00	7:30:00	52	67.6	54.8	49.6	11:22 PM	158489.32	62	1584893.19	62.0	1584893.19	301995.17
7:31:00	7:31:00	51.9	68.4	54.8	49.4	11:23 PM	154881.66	61.9	1548816.62	61.9	1548816.62	301995.17
7:32:00	7:32:00	52.1	68.3	55	49.5	11:24 PM	162181.01	62.1	1621810.10	62.1	1621810.10	316227.77
7:33:00	7:33:00	52.2	70.5	55	49.6	11:25 PM	165958.69	62.2	1659586.91	62.2	1659586.91	316227.77
7:34:00	7:34:00	52.9	73.3	58.6	49.5	11:26 PM	194984.46	62.9	1949844.60	62.9	1949844.60	724435.96
7:35:00	7:35:00	52.1	71.2	56.3	49.3	11:27 PM	162181.01	62.1	1621810.10	62.1	1621810.10	426579.52
7:36:00	7:36:00	52.1	69.9	54.8	49.5	11:28 PM	162181.01	62.1	1621810.10	62.1	1621810.10	301995.17
7:37:00	7:37:00	52.3	73.8	55	49.1	11:29 PM	169824.37	62.3	1698243.65	62.3	1698243.65	316227.77
7:38:00	7:38:00	53.9	85.8	65.8	49.6	11:30 PM	245470.89	63.9	2454708.92	63.9	2454708.92	380189.96
7:39:00	7:39:00	52.3	74.2	55.8	49.4	11:31 PM	169824.37	62.3	1698243.65	62.3	1698243.65	380189.40
7:40:00	7:40:00	52.3	72.7	55.1	49.6	11:32 PM	169824.37	62.3	1698243.65	62.3	1698243.65	323593.66
7:41:00	7:41:00	52.6	73.7	55.6	49.8	11:33 PM	181970.09	62.6	1819700.86	62.6	1819700.86	363078.05
7:42:00	7:42:00	52.5	75.4	56.4	49.8	11:34 PM	177827.94	62.5	1778279.41	62.5	1778279.41	436515.83
7:43:00	7:43:00	52.6	74.2	55.9	49.5	11:35 PM	181970.09	62.6	1819700.86	62.6	1819700.86	389045.14
7:44:00	7:44:00	52.2	75	55.3	49.8	11:36 PM	165958.69	62.2	1659586.91	62.2	1659586.91	338844.16
7:45:00	7:45:00	52.1	70.8	55.3	49.5	11:37 PM	162181.01	62.1	1621810.10	62.1	1621810.10	338844.16
7:46:00	7:46:00	52.2	68.2	55.3	49.2	11:38 PM	165958.69	62.2	1659586.91	62.2	1659586.91	338844.16
7:47:00	7:47:00	52.1	68.2	55.3	49.4	11:39 PM	162181.01	62.1	1621810.10	62.1	1621810.10	338844.16
7:48:00	7:48:00	53.2	72.1	56.5	49.7	11:40 PM	208929.61	63.2	2089296.13	63.2	2089296.13	446683.59
7:49:00	7:49:00	51.7	68.5	54.8	49.2	11:41 PM	147910.84	61.7	1479108.39	61.7	1479108.39	301995.17
7:50:00	7:50:00	51.7	69.2	54.9	49.5	11:42 PM	147910.84	61.7	1479108.39	61.7	1479108.39	309029.54
7:51:00	7:51:00	51.8	69.3	55	49.5	11:43 PM	151356.12	61.8	1513561.25	61.8	1513561.25	316227.77
7:52:00	7:52:00	52.1	68.3	54.7	49.3	11:44 PM	162181.01	62.1	1621810.10	62.1	1621810.10	295120.92
7:53:00	7:53:00	51.9	68.4	55.2	49.4	11:45 PM	154881.66	61.9	1548816.62	61.9	1548816.62	331131.12
7:54:00	7:54:00	51.8	68.3	55.2	49.2	11:46 PM	151356.12	61.8	1513561.25	61.8	1513561.25	331131.12
7:55:00	7:55:00	52	67.6	54.7	49.4	11:47 PM	158489.32	62	1584893.19	62.0	1584893.19	295120.92
7:56:00	7:56:00	52.6	70.6	57.3	49.6	11:48 PM	181970.09	62.6	1819700.86	62.6	1819700.86	537031.80
7:57:00	7:57:00	52.2	69.5	55.5	49.3	11:49 PM	165958.69	62.2	1659586.91	62.2	1659586.91	354813.39
7:58:00	7:58:00	52.1	70.8	55.5	49.2	11:50 PM	162181.01	62.1	1621810.10	62.1	1621810.10	354813.39
7:59:00	7:59:00	52	73.6	55.2	49.5	11:51 PM	158489.32	62	1584893.19	62.0	1584893.19	331131.12
8:00:00	8:00:00	52	71.6	54.7	49.4	11:52 PM	158489.32	62	1584893.19	62.0	1584893.19	295120.92
8:01:00	8:01:00	52.2	72.7	55.3	49.2	11:53 PM	165958.69	62.2	1659586.91	62.2	1659586.91	338844.16
8:02:00	8:02:00	52.4	73.3	55.5	49.2	11:54 PM	173780.08	62.4	1737800.83	62.4	1737800.83	354813.39
8:03:00	8:03:00	52.4	76.3	56.5	49.3	11:55 PM	173780.08	62.4	1737800.83	62.4	1737800.83	446683.59
8:04:00	8:04:00	52.4	73.4	55.4	49.4	11:56 PM	173780.08	62.4	1737800.83	62.4	1737800.83	346736.85
8:05:00	8:05:00	52	75.5	55.2	48.9	11:57 PM	158489.32	62	1584893.19	62.0	1584893.19	331131.12
8:06:00	8:06:00	53.2	92.5	64.5	49.6	11:58 PM	208929.61	63.2	2089296.13	63.2	2089296.13	281832.93
8:07:00	8:07:00	52	74	55.4	49.7	11:59 PM	158489.32	62	1584893.19	62.0	1584893.19	346736.85
8:08:00	8:08:00	51.9	69.2	54.6	49	12:00 AM	154881.66	61.9	1548816.62	61.9	1548816.62	288403.15
8:09:00	8:09:00	52.1	70.1	54.7	49.2	12:01 AM	162181.01	62.1	1621810.10	62.1	1621810.10	295120.92
8:10:00	8:10:00	52.7	71.7	57.9	49.6	12:02 AM	186208.71	62.7	1862087.14	62.7	1862087.14	616595.00
8:11:00	8:11:00	52.1	68.9	55.6	49	12:03 AM	162181.01	62.1	1621810.10	62.1	1621810.10	363078.05
8:12:00	8:12:00	52.2	72.8	55.8	49.4	12:04 AM	165958.69	62.2	1659586.91	62.2	1659586.91	380189.40
8:13:00	8:13:00	52.3	69.4	55.7	49.5	12:05 AM	169824.37	62.3	1698243.65	62.3	1698243.65	371535.23
8:14:00	8:14:00	52.8	72	57.6	49.1	12:06 AM	190546.07	62.8	1905460.72	62.8	1905460.72	575439.94
8:15:00	8:15:00	52.5	69.3	56.7	49.8	12:07 AM	177827.94	62.5	1778279.41	62.5	1778279.41	467735.14
8:16:00	8:16:00	52.3	68.9	55.8	49.7	12:08 AM	169824.37	62.3	1698243.65	62.3		

Data

8:41:00	8:41:00	52	71.7	56	49.1	12:33 AM	158489.32	62	1584893.19	62.0	1584893.19	398107.17
8:42:00	8:42:00	52.6	74.1	56.5	49.3	12:34 AM	181970.09	62.6	1819700.86	62.6	1819700.86	446683.59
8:43:00	8:43:00	53.1	72	59.6	49	12:35 AM	204173.79	63.1	2041737.94	63.1	2041737.94	912010.84
8:44:00	8:44:00	52.6	69.8	57.1	49.4	12:36 AM	181970.09	62.6	1819700.86	62.6	1819700.86	512861.38
8:45:00	8:45:00	52.9	71.8	56.9	49.1	12:37 AM	194984.46	62.9	1949844.60	62.9	1949844.60	489778.82
8:46:00	8:46:00	52.7	71.7	56.4	49.5	12:38 AM	186208.71	62.7	1862087.14	62.7	1862087.14	436515.83
8:47:00	8:47:00	52.9	71.5	56.6	49.4	12:39 AM	194984.46	62.9	1949844.60	62.9	1949844.60	457088.19
8:48:00	8:48:00	52.8	73.8	56.5	49.5	12:40 AM	190546.07	62.8	1905460.72	62.8	1905460.72	446683.59
8:49:00	8:49:00	52.8	71.9	56.4	49.4	12:41 AM	190546.07	62.8	1905460.72	62.8	1905460.72	436515.83
8:50:00	8:50:00	53.8	73.2	57.2	49.5	12:42 AM	239883.29	63.8	2398832.92	63.8	2398832.92	524807.46
8:51:00	8:51:00	53.2	75.2	57	49.8	12:43 AM	208929.61	63.2	2089296.13	63.2	2089296.13	501187.23
8:52:00	8:52:00	54	74.7	56.9	51.3	12:44 AM	251188.64	64	2511886.43	64.0	2511886.43	489778.82
8:53:00	8:53:00	53.9	75.4	60.6	50.9	12:45 AM	245470.89	63.9	2454708.92	63.9	2454708.92	1148153.62
8:54:00	8:54:00	52.5	72.6	56.1	49.2	12:46 AM	177827.94	62.5	1778279.41	62.5	1778279.41	407380.28
8:55:00	8:55:00	52.1	69.3	55.3	49.1	12:47 AM	162181.01	62.1	1621810.10	62.1	1621810.10	338844.16
8:56:00	8:56:00	52.1	69.6	55.5	49.2	12:48 AM	162181.01	62.1	1621810.10	62.1	1621810.10	354813.39
8:57:00	8:57:00	52.4	68.9	56.4	49.4	12:49 AM	173780.08	62.4	1737800.83	62.4	1737800.83	436515.83
8:58:00	8:58:00	52.9	70.6	57.9	49.5	12:50 AM	194984.46	62.9	1949844.60	62.9	1949844.60	616595.00
8:59:00	8:59:00	52.5	69.1	56.4	49.3	12:51 AM	177827.94	62.5	1778279.41	62.5	1778279.41	436515.83
9:00:00	9:00:00	52.3	71.6	56.3	49.4	12:52 AM	169824.37	62.3	1698243.65	62.3	1698243.65	426579.52
9:01:00	9:01:00	52.3	68.4	55.5	49.4	12:53 AM	169824.37	62.3	1698243.65	62.3	1698243.65	354813.39
9:02:00	9:02:00	51.9	68.1	55.5	49.1	12:54 AM	154881.66	61.9	1548816.62	61.9	1548816.62	354813.39
9:03:00	9:03:00	52.1	68.5	55.6	49.1	12:55 AM	162181.01	62.1	1621810.10	62.1	1621810.10	363078.05
9:04:00	9:04:00	52.3	68.5	55.6	49.6	12:56 AM	169824.37	62.3	1698243.65	62.3	1698243.65	363078.05
9:05:00	9:05:00	52.8	71	56.8	49.7	12:57 AM	190546.07	62.8	1905460.72	62.8	1905460.72	478630.00
9:06:00	9:06:00	52.4	70.1	56.3	49.2	12:58 AM	173780.08	62.4	1737800.83	62.4	1737800.83	426579.52
9:07:00	9:07:00	52.1	71.3	55.5	49.4	12:59 AM	162181.01	62.1	1621810.10	62.1	1621810.10	354813.39
9:08:00	9:08:00	52.6	72.6	56.1	49.3	1:00 AM	181970.09	62.6	1819700.86	62.6	1819700.86	407380.28
9:09:00	9:09:00	52.5	71.2	56	49.3	1:01 AM	177827.94	62.5	1778279.41	62.5	1778279.41	398107.17
9:10:00	9:10:00	52.9	73.8	56.7	49.7	1:02 AM	194984.46	62.9	1949844.60	62.9	1949844.60	467735.14
9:11:00	9:11:00	52.7	72.9	56.7	49.5	1:03 AM	186208.71	62.7	1862087.14	62.7	1862087.14	467735.14
9:12:00	9:12:00	52.8	70.7	57.4	50	1:04 AM	190546.07	62.8	1905460.72	62.8	1905460.72	549540.87
9:13:00	9:13:00	53.4	75.9	58.4	50	1:05 AM	218776.16	63.4	2187761.62	63.4	2187761.62	691830.97
9:14:00	9:14:00	52.7	73.9	57.3	49.5	1:06 AM	186208.71	62.7	1862087.14	62.7	1862087.14	537031.80
9:15:00	9:15:00	52.8	75.3	56.8	49.9	1:07 AM	190546.07	62.8	1905460.72	62.8	1905460.72	478630.00
9:16:00	9:16:00	52.5	69.6	55.5	49.7	1:08 AM	177827.94	62.5	1778279.41	62.5	1778279.41	354813.39
9:17:00	9:17:00	52.7	72.9	55.8	49.3	1:09 AM	186208.71	62.7	1862087.14	62.7	1862087.14	380189.40
9:18:00	9:18:00	52.4	71.8	56	49.7	1:10 AM	173780.08	62.4	1737800.83	62.4	1737800.83	398107.17
9:19:00	9:19:00	52.2	68.3	55.5	49.7	1:11 AM	165958.69	62.2	1659586.91	62.2	1659586.91	354813.39
9:20:00	9:20:00	52.5	71.8	56.7	49.7	1:12 AM	177827.94	62.5	1778279.41	62.5	1778279.41	467735.14
9:21:00	9:21:00	52.6	70.3	57.1	49.6	1:13 AM	181970.09	62.6	1819700.86	62.6	1819700.86	512861.38
9:22:00	9:22:00	52.3	70.8	56.4	49.2	1:14 AM	169824.37	62.3	1698243.65	62.3	1698243.65	436515.83
9:23:00	9:23:00	52.6	69	57.2	49.9	1:15 AM	181970.09	62.6	1819700.86	62.6	1819700.86	524807.46
9:24:00	9:24:00	52.8	69.5	57.3	49.9	1:16 AM	190546.07	62.8	1905460.72	62.8	1905460.72	537031.80
9:25:00	9:25:00	52.3	68.8	56.9	49.6	1:17 AM	169824.37	62.3	1698243.65	62.3	1698243.65	489778.82
9:26:00	9:26:00	52.3	68.8	56.1	49.7	1:18 AM	169824.37	62.3	1698243.65	62.3	1698243.65	407380.28
9:27:00	9:27:00	52.3	69.2	56.3	49.5	1:19 AM	169824.37	62.3	1698243.65	62.3	1698243.65	426579.52
9:28:00	9:28:00	52.1	69.5	57.7	49.5	1:20 AM	162181.01	62.1	1621810.10	62.1	1621810.10	588843.66
9:29:00	9:29:00	52.6	71.6	56.5	49.3	1:21 AM	181970.09	62.6	1819700.86	62.6	1819700.86	446683.59
9:30:00	9:30:00	52.7	72.9	56.7	49.3	1:22 AM	186208.71	62.7	1862087.14	62.7	1862087.14	467735.14
9:31:00	9:31:00	53.7	71.9	59	49.8	1:23 AM	234422.88	63.7	2344228.82	63.7	2344228.82	794328.23
9:32:00	9:32:00	52.9	73.5	59.3	49.5	1:24 AM	194984.46	62.9	1949844.60	62.9	1949844.60	851138.04
9:33:00	9:33:00	52.4	71	55.9	49.4	1:25 AM	173780.08	62.4	1737800.83	62.4	1737800.83	389045.14
9:34:00	9:34:00	52.6	71.2	56	49.3	1:26 AM	181970.09	62.6	1819700.86	62.6	1819700.86	398107.17
9:35:00	9:35:00	52.1	73.2	55.4	49.2	1:27 AM	162181.01	62.1	1621810.10	62.1	1621810.10	346736.85
9:36:00	9:36:00	52.5	72.7	56.7	49.1	1:28 AM	177827.94	62.5	1778279.41	62.5	1778279.41	467735.14
9:37:00	9:37:00	52.1	71.1	55.7	49	1:29 AM	162181.01	62.1	1621810.10	62.1	1621810.10	371535.23
9:38:00	9:38:00	52.5	72.8	56.9	49	1:30 AM	177827.94	62.5	1778279.41	62.5	1778279.41	489778.82
9:39:00	9:39:00	52.3	69.4	56.1	49.3	1:31 AM	169824.37	62.3	1698243.65	62.3	1698243.65	407380.28
9:40:00	9:40:00	52.1	71.1	54.9	48.9	1:32 AM	162181.01	62.1	1621810.10	62.1	1621810.10	309029.54
9:41:00	9:41:00	53.7	75.1	57.7	49.2	1:33 AM	234422.88	63.7	2344228.82	63.7	2344228.82	588843.66
9:42:00	9:42:00	52.1	70	55.2	48.9	1:34 AM	162181.01	62.1	1621810.10	62.1	1621810.10	331131.12
9:43:00	9:43:00	52.1	70	55.9	48.8	1:35 AM	162181.01	62.1	1621810.10	62.1	1621810.10	389045.14
9:44:00	9:44:00	52.1	67.9	55.2	49.1	1:36 AM	162181.01	62.1	1621810.10	62.1	1621810.10	331131.12
9:45:00	9:45:00	52.2	67.9	55.5	48.9	1:37 AM	165958.69	62.2	1659586.91	62.2	1659586.91	354813.39
9:46:00	9:46:00	51.9	67.8	55.3	49	1:38 AM	154881.66	61.9	1548816.62	61.9	1548816.62	338844.16
9:47:00	9:47:00	52	68	55	48.9	1:39 AM	158489.32	62	1584893.19	62.0	1584893.19	316227.77
9:48:00	9:48:00	51.7	68.7	55	48.9	1:40 AM	147910.84	61.7	1479108.39	61.7	1479108.39	316227.77
9:49:00	9:49:00	51.9	68.5	55	49	1:41 AM	154881.66	61.9	1548816.62	61.9	1548816.62	316227.77
9:50:00	9:50:00	51.7	67.7	55.2	49	1:42 AM	147910.84	61.7	1479108.39	61.7	1479108.39	331131.12
9:51:00	9:51:00	51.8	68.6	55.4	49.1	1:43 AM	151356.12	61.8	1513561.25	61.8	1513561.25	346736.85
9:52:00	9:52:00	52.3	71.2	56.4	49.1	1:44 AM	169824.37	62.3	1698243.65	62.3	1698243.65	436515.83
9:53:00	9:53:00	52.6	70.2	57.1	49.2	1:45 AM	181970.09	62.6	1819700.86	62.6	1819700.86	512861.38
9:54:00	9:54:00	52.2	69.8	55.5	49.4	1:46 AM	165958.69	62.2	1659586.91	62.2	1659586.91	354813.39
9:55:00	9:55:00	52.5	72.3	56.2	49.3	1:47 AM	177827.94	62.5	1778279.41	62.5	1778279.41	416869.38
9:56:00	9:56:00	52.4	71.2	56.1	49.6	1:48 AM	173780.08	62.4	1737800.83	62.4	1737800.83	407380.28
9:57:00	9:57:00	52.4	73.1	55.6	49.1	1:49 AM	173780.08	62.4	1737800.83	62.4	1737800.83	363078.05
9:58:00	9:58:00	51.9	72.1	54.9	48.9	1:50 AM	154881.66	61.9	1548816.62	61.9	1548816.62	309029.54
9:59:00	9:59:00	52.2	75	56.2	49.2	1:51 AM	165958.69	62.2	1659586.91	62.2	1659586.91	416869.38
10:00:00	10:00:00	52.5	72.4	56.2	49	1:52 AM	177827.94	62.5	1778279.41	62.5	1778279.41	416869.38
10:01:00	10:01:00	52.6	72.5	56.8	49.3	1:53 AM	181970.09	62.6	1819700.86	62.6	1819700.86	478630.00

Data

10:26:00	10:26:00	52.5	74.5	56.3	48.9	2:18 AM	177827.94	62.5	177827.94	62.5	177827.94	426579.52
10:27:00	10:27:00	52.5	72.2	56.3	48.6	2:19 AM	177827.94	62.5	177827.94	62.5	177827.94	426579.52
10:28:00	10:28:00	52.6	70.5	56.5	48.9	2:20 AM	181970.09	62.6	181970.09	62.6	181970.09	446683.59
10:29:00	10:29:00	52.4	68.9	56.5	48.9	2:21 AM	173780.08	62.4	173780.08	62.4	173780.08	446683.59
10:30:00	10:30:00	52.2	70.7	55.8	48.7	2:22 AM	165958.69	62.2	165958.69	62.2	165958.69	380189.40
10:31:00	10:31:00	52.2	69	55.7	48.9	2:23 AM	165958.69	62.2	165958.69	62.2	165958.69	371535.23
10:32:00	10:32:00	52.5	68.2	56.2	48.9	2:24 AM	177827.94	62.5	177827.94	62.5	177827.94	416869.38
10:33:00	10:33:00	52.5	68.3	55.9	49.1	2:25 AM	177827.94	62.5	177827.94	62.5	177827.94	389045.14
10:34:00	10:34:00	52.5	68.7	56.5	48.7	2:26 AM	177827.94	62.5	177827.94	62.5	177827.94	446683.59
10:35:00	10:35:00	52.7	70.9	57.4	48.6	2:27 AM	186208.71	62.7	186208.71	62.7	186208.71	549540.87
10:36:00	10:36:00	52.6	69.1	56.1	48.9	2:28 AM	181970.09	62.6	181970.09	62.6	181970.09	407380.28
10:37:00	10:37:00	52.5	68.6	55.9	48.9	2:29 AM	177827.94	62.5	177827.94	62.5	177827.94	389045.14
10:38:00	10:38:00	52.3	71.6	56	48.8	2:30 AM	169824.37	62.3	169824.37	62.3	169824.37	398107.17
10:39:00	10:39:00	52.7	70.6	56.3	48.6	2:31 AM	186208.71	62.7	186208.71	62.7	186208.71	426579.52
10:40:00	10:40:00	52.3	72.1	56.1	48.6	2:32 AM	169824.37	62.3	169824.37	62.3	169824.37	407380.28
10:41:00	10:41:00	52.4	72.1	55.9	48.8	2:33 AM	173780.08	62.4	173780.08	62.4	173780.08	389045.14
10:42:00	10:42:00	52.6	75.3	56.8	48.7	2:34 AM	181970.09	62.6	181970.09	62.6	181970.09	478630.09
10:43:00	10:43:00	52.6	74.2	56.5	49.6	2:35 AM	181970.09	62.6	181970.09	62.6	181970.09	446683.59
10:44:00	10:44:00	52.6	71.1	55.5	49.5	2:36 AM	181970.09	62.6	181970.09	62.6	181970.09	354813.39
10:45:00	10:45:00	52.4	74.8	55.8	48.9	2:37 AM	173780.08	62.4	173780.08	62.4	173780.08	380189.40
10:46:00	10:46:00	52.6	73.4	55.9	49.4	2:38 AM	181970.09	62.6	181970.09	62.6	181970.09	389045.14
10:47:00	10:47:00	52.6	69.5	55.9	49.2	2:39 AM	181970.09	62.6	181970.09	62.6	181970.09	389045.14
10:48:00	10:48:00	52.4	68.2	55.9	49.2	2:40 AM	173780.08	62.4	173780.08	62.4	173780.08	389045.14
10:49:00	10:49:00	52.4	67.9	56	48.8	2:41 AM	173780.08	62.4	173780.08	62.4	173780.08	398107.17
10:50:00	10:50:00	52.5	68.8	56.3	49.2	2:42 AM	177827.94	62.5	177827.94	62.5	177827.94	426579.52
10:51:00	10:51:00	52.8	77.5	59.6	49.2	2:43 AM	190546.07	62.8	190546.07	62.8	190546.07	912010.84
10:52:00	10:52:00	52.1	67.8	55.1	49.2	2:44 AM	162181.01	62.1	162181.01	62.1	162181.01	323593.66
10:53:00	10:53:00	52.3	68.8	55.2	49.5	2:45 AM	169824.37	62.3	169824.37	62.3	169824.37	331131.12
10:54:00	10:54:00	52.1	67.5	55.1	49.2	2:46 AM	162181.01	62.1	162181.01	62.1	162181.01	323593.66
10:55:00	10:55:00	52.1	67.3	55.1	49	2:47 AM	162181.01	62.1	162181.01	62.1	162181.01	323593.66
10:56:00	10:56:00	52.8	71.9	56.7	49	2:48 AM	190546.07	62.8	190546.07	62.8	190546.07	467735.14
10:57:00	10:57:00	52.4	69	56.1	49.2	2:49 AM	173780.08	62.4	173780.08	62.4	173780.08	407380.28
10:58:00	10:58:00	52.7	69.4	56.2	49.3	2:50 AM	186208.71	62.7	186208.71	62.7	186208.71	416869.38
10:59:00	10:59:00	52.4	69.4	56.2	48.9	2:51 AM	173780.08	62.4	173780.08	62.4	173780.08	416869.38
11:00:00	11:00:00	52.7	69.4	56.4	48.7	2:52 AM	186208.71	62.7	186208.71	62.7	186208.71	436515.83
11:01:00	11:01:00	52.9	73.1	56.5	49.2	2:53 AM	194984.46	62.9	194984.46	62.9	194984.46	446683.59
11:02:00	11:02:00	52.9	70.3	56.6	49.3	2:54 AM	194984.46	62.9	194984.46	62.9	194984.46	457088.19
11:03:00	11:03:00	53	73.4	56.6	49.2	2:55 AM	199526.23	63	199526.23	63	199526.23	457088.19
11:04:00	11:04:00	53	71.8	56.5	49.4	2:56 AM	199526.23	63	199526.23	63	199526.23	446683.59
11:05:00	11:05:00	53.3	72.5	56.7	49.3	2:57 AM	213796.21	63.3	213796.21	63.3	213796.21	467735.14
11:06:00	11:06:00	53	74.4	56.4	49.5	2:58 AM	199526.23	63	199526.23	63	199526.23	436515.83
11:07:00	11:07:00	53.3	76.3	56.7	49.7	2:59 AM	213796.21	63.3	213796.21	63.3	213796.21	467735.14
11:08:00	11:08:00	53.6	71.5	56.6	50.4	3:00 AM	229086.77	63.6	229086.77	63.6	229086.77	457088.19
11:09:00	11:09:00	53.3	71.9	56.3	50.3	3:01 AM	213796.21	63.3	213796.21	63.3	213796.21	426579.52
11:10:00	11:10:00	52.6	71.7	56.5	49	3:02 AM	181970.09	62.6	181970.09	62.6	181970.09	446683.59
11:11:00	11:11:00	52.3	69.2	56.2	48.6	3:03 AM	169824.37	62.3	169824.37	62.3	169824.37	416869.38
11:12:00	11:12:00	52.6	68.7	56.6	48.8	3:04 AM	181970.09	62.6	181970.09	62.6	181970.09	457088.19
11:13:00	11:13:00	52.3	70	56.1	48.4	3:05 AM	169824.37	62.3	169824.37	62.3	169824.37	407380.28
11:14:00	11:14:00	52.3	68.7	55.7	48.7	3:06 AM	169824.37	62.3	169824.37	62.3	169824.37	371535.23
11:15:00	11:15:00	52.5	69.3	55.9	49	3:07 AM	177827.94	62.5	177827.94	62.5	177827.94	389045.14
11:16:00	11:16:00	52.5	70.5	55.8	48.8	3:08 AM	177827.94	62.5	177827.94	62.5	177827.94	380189.40
11:17:00	11:17:00	52.3	67.9	55.6	48.5	3:09 AM	169824.37	62.3	169824.37	62.3	169824.37	363078.05
11:18:00	11:18:00	52.4	68.8	56.3	48.7	3:10 AM	173780.08	62.4	173780.08	62.4	173780.08	426579.52
11:19:00	11:19:00	52.7	70.1	56.5	48.8	3:11 AM	186208.71	62.7	186208.71	62.7	186208.71	446683.59
11:20:00	11:20:00	52.4	70	56.2	48.8	3:12 AM	173780.08	62.4	173780.08	62.4	173780.08	416869.38
11:21:00	11:21:00	52.3	69.5	55.8	49	3:13 AM	169824.37	62.3	169824.37	62.3	169824.37	380189.40
11:22:00	11:22:00	52.6	71.6	56.3	48.8	3:14 AM	181970.09	62.6	181970.09	62.6	181970.09	426579.52
11:23:00	11:23:00	52.4	70.7	56	48.7	3:15 AM	173780.08	62.4	173780.08	62.4	173780.08	398107.17
11:24:00	11:24:00	52.5	71.5	55.9	48.8	3:16 AM	177827.94	62.5	177827.94	62.5	177827.94	389045.14
11:25:00	11:25:00	52.6	71.2	56.4	49	3:17 AM	181970.09	62.6	181970.09	62.6	181970.09	436515.83
11:26:00	11:26:00	52.8	75.8	56.7	48.9	3:18 AM	190546.07	62.8	190546.07	62.8	190546.07	467735.14
11:27:00	11:27:00	52.7	73.1	56.3	48.7	3:19 AM	186208.71	62.7	186208.71	62.7	186208.71	426579.52
11:28:00	11:28:00	52.8	74.8	56.4	49.2	3:20 AM	190546.07	62.8	190546.07	62.8	190546.07	436515.83
11:29:00	11:29:00	52.8	73.5	56.3	49.1	3:21 AM	190546.07	62.8	190546.07	62.8	190546.07	426579.52
11:30:00	11:30:00	52.6	70.8	55.8	49.4	3:22 AM	181970.09	62.6	181970.09	62.6	181970.09	380189.40
11:31:00	11:31:00	52.9	72	55.9	49.4	3:23 AM	194984.46	62.9	194984.46	62.9	194984.46	389045.14
11:32:00	11:32:00	52.6	71.3	56.2	48.4	3:24 AM	181970.09	62.6	181970.09	62.6	181970.09	416869.38
11:33:00	11:33:00	52.8	71.9	56.6	48.8	3:25 AM	190546.07	62.8	190546.07	62.8	190546.07	457088.19
11:34:00	11:34:00	52.7	72.3	56.8	48.8	3:26 AM	186208.71	62.7	186208.71	62.7	186208.71	478630.09
11:35:00	11:35:00	52.7	70.6	56.5	48.8	3:27 AM	186208.71	62.7	186208.71	62.7	186208.71	446683.59
11:36:00	11:36:00	52.3	68.6	55.8	48.7	3:28 AM	169824.37	62.3	169824.37	62.3	169824.37	380189.40
11:37:00	11:37:00	52	67.7	54.9	48.9	3:29 AM	158489.32	62	158489.32	62	158489.32	309029.54
11:38:00	11:38:00	52.3	69.7	55.5	48.9	3:30 AM	169824.37	62.3	169824.37	62.3	169824.37	354813.39
11:39:00	11:39:00	52.5	68.4	56.2	48.8	3:31 AM	177827.94	62.5	177827.94	62.5	177827.94	416869.38
11:40:00	11:40:00	52.6	69.2	56.7	48.7	3:32 AM	181970.09	62.6	181970.09	62.6	181970.09	467735.14
11:41:00	11:41:00	52.5	68.6	56.2	48.9	3:33 AM	177827.94	62.5	177827.94	62.5	177827.94	416869.38
11:42:00	11:42:00	52.7	69.2	56.5	48.1	3:34 AM	186208.71	62.7	186208.71	62.7	186208.71	446683.59
11:43:00	11:43:00	52.7	69	56.4	48.9	3:35 AM	186208.71	62.7	186208.71	62.7	186208.71	436515.83
11:44:00	11:44:00	52.8	69.2	56.9	48.9	3:36 AM	190546.07	62.8	190546.07	62.8	190546.07	489778.82
11:45:00	11:45:00	52.7	68	56.1	48.8	3:37 AM	186208.71	62.7	186208.71	62.7	186208.71	407380.28
11:46:00	11:46:00	52.7	70.5	56.3	49	3:38 AM	186208.71	62.7	186208.71	62.7	186208.71	426579.52
11:47:00	11:47:00											

## Data

12:11:00	12:11:00	53.1	70.8	57	48.8	4:03 AM	204173.79	63.1	2041737.94	63.1	2041737.94	501187.23
12:12:00	12:12:00	53.1	72.9	57.4	48.7	4:04 AM	204173.79	63.1	2041737.94	63.1	2041737.94	549540.87
12:13:00	12:13:00	53	70	56.8	48.4	4:05 AM	199526.23	63	1995262.31	63.0	1995262.31	478630.09
12:14:00	12:14:00	52.6	70.8	56.4	48.7	4:06 AM	181970.09	62.6	1819700.86	62.6	1819700.86	436515.83
12:15:00	12:15:00	52.9	73.4	56.6	48.8	4:07 AM	194984.46	62.9	1949844.60	62.9	1949844.60	457088.19
12:16:00	12:16:00	52.7	72.7	56	48.9	4:08 AM	186208.71	62.7	1862087.14	62.7	1862087.14	398107.17
12:17:00	12:17:00	52.6	74.5	55.9	49.1	4:09 AM	181970.09	62.6	1819700.86	62.6	1819700.86	389045.14
12:18:00	12:18:00	52.6	71.4	56	49.1	4:10 AM	181970.09	62.6	1819700.86	62.6	1819700.86	398107.17
12:19:00	12:19:00	52.7	69.9	56.4	49.1	4:11 AM	186208.71	62.7	1862087.14	62.7	1862087.14	436515.83
12:20:00	12:20:00	52.6	70.5	56.3	48.9	4:12 AM	181970.09	62.6	1819700.86	62.6	1819700.86	426579.52
12:21:00	12:21:00	52.7	71	56.6	48.9	4:13 AM	186208.71	62.7	1862087.14	62.7	1862087.14	457088.19
12:22:00	12:22:00	52.9	69.3	56.5	48.9	4:14 AM	194984.46	62.9	1949844.60	62.9	1949844.60	446683.59
12:23:00	12:23:00	52.9	68.9	57	48.8	4:15 AM	194984.46	62.9	1949844.60	62.9	1949844.60	501187.23
12:24:00	12:24:00	52.9	68.9	57.1	48.9	4:16 AM	194984.46	62.9	1949844.60	62.9	1949844.60	512861.38
12:25:00	12:25:00	53	68.9	57.4	49	4:17 AM	199526.23	63	1995262.31	63.0	1995262.31	549540.87
12:26:00	12:26:00	52.6	71.4	56.3	48.7	4:18 AM	181970.09	62.6	1819700.86	62.6	1819700.86	426579.52
12:27:00	12:27:00	54.6	74.2	60.9	49	4:19 AM	288403.15	64.6	2884031.50	64.6	2884031.50	1230268.77
12:28:00	12:28:00	52.5	69.9	56.2	48.9	4:20 AM	177827.94	62.5	1778279.41	62.5	1778279.41	416869.38
12:29:00	12:29:00	52.5	70.5	56.4	48.7	4:21 AM	177827.94	62.5	1778279.41	62.5	1778279.41	436515.83
12:30:00	12:30:00	53.3	69.8	57.8	49	4:22 AM	213796.21	63.3	2137962.09	63.3	2137962.09	602559.59
12:31:00	12:31:00	53.2	69.9	57.4	48.8	4:23 AM	208929.61	63.2	2089296.13	63.2	2089296.13	549540.87
12:32:00	12:32:00	52.9	73.1	56.6	49	4:24 AM	194984.46	62.9	1949844.60	62.9	1949844.60	457088.19
12:33:00	12:33:00	52.8	72.9	57.4	49.2	4:25 AM	190546.07	62.8	1905460.72	62.8	1905460.72	549540.87
12:34:00	12:34:00	53.3	71.7	56.8	49.5	4:26 AM	213796.21	63.3	2137962.09	63.3	2137962.09	478630.09
12:35:00	12:35:00	52.9	72.2	56.7	49	4:27 AM	194984.46	62.9	1949844.60	62.9	1949844.60	467735.14
12:36:00	12:36:00	53.4	72	57.9	49.2	4:28 AM	218776.16	63.4	2187761.62	63.4	2187761.62	616595.00
12:37:00	12:37:00	53	76	57.3	49.2	4:29 AM	199526.23	63	1995262.31	63.0	1995262.31	537031.80
12:38:00	12:38:00	53.1	71.9	57	49.4	4:30 AM	204173.79	63.1	2041737.94	63.1	2041737.94	501187.23
12:39:00	12:39:00	53.2	73	57.4	49.2	4:31 AM	208929.61	63.2	2089296.13	63.2	2089296.13	549540.87
12:40:00	12:40:00	52.9	71.4	56.6	49.4	4:32 AM	194984.46	62.9	1949844.60	62.9	1949844.60	457088.19
12:41:00	12:41:00	52.7	69.2	57	49.4	4:33 AM	186208.71	62.7	1862087.14	62.7	1862087.14	501187.23
12:42:00	12:42:00	52.9	69.3	57.3	49	4:34 AM	194984.46	62.9	1949844.60	62.9	1949844.60	537031.80
12:43:00	12:43:00	52.9	69.2	56.9	49	4:35 AM	194984.46	62.9	1949844.60	62.9	1949844.60	489778.82
12:44:00	12:44:00	53.2	70.8	57.2	48.9	4:36 AM	208929.61	63.2	2089296.13	63.2	2089296.13	524807.46
12:45:00	12:45:00	52.8	68.7	56.9	49	4:37 AM	190546.07	62.8	1905460.72	62.8	1905460.72	489778.82
12:46:00	12:46:00	53.2	69.3	57.7	48.9	4:38 AM	208929.61	63.2	2089296.13	63.2	2089296.13	588843.66
12:47:00	12:47:00	53.2	69.4	57.7	49.1	4:39 AM	208929.61	63.2	2089296.13	63.2	2089296.13	588843.66
12:48:00	12:48:00	54.9	75.3	61.6	49.1	4:40 AM	309029.54	64.9	3090295.43	64.9	3090295.43	1445439.77
12:49:00	12:49:00	52.6	69	56.2	49.2	4:41 AM	181970.09	62.6	1819700.86	62.6	1819700.86	416869.38
12:50:00	12:50:00	52.9	70.4	56.7	49	4:42 AM	194984.46	62.9	1949844.60	62.9	1949844.60	467735.14
12:51:00	12:51:00	53.1	69.4	57	48.8	4:43 AM	204173.79	63.1	2041737.94	63.1	2041737.94	501187.23
12:52:00	12:52:00	53	72.6	57.4	49	4:44 AM	199526.23	63	1995262.31	63.0	1995262.31	549540.87
12:53:00	12:53:00	52.8	68.6	56.9	48.7	4:45 AM	190546.07	62.8	1905460.72	62.8	1905460.72	489778.82
12:54:00	12:54:00	54.3	76.2	61.3	48.6	4:46 AM	269153.48	64.3	2691534.80	64.3	2691534.80	1348962.88
12:55:00	12:55:00	53.7	73.7	57	49.3	4:47 AM	234422.88	63.7	2344228.82	63.7	2344228.82	501187.23
12:56:00	12:56:00	52.9	74.3	57.2	49.1	4:48 AM	194984.46	62.9	1949844.60	62.9	1949844.60	524807.46
12:57:00	12:57:00	53.1	71.7	56.7	49.4	4:49 AM	204173.79	63.1	2041737.94	63.1	2041737.94	467735.14
12:58:00	12:58:00	53.1	72.8	56.8	48.8	4:50 AM	204173.79	63.1	2041737.94	63.1	2041737.94	478630.09
12:59:00	12:59:00	53	73	56.9	49.2	4:51 AM	199526.23	63	1995262.31	63.0	1995262.31	489778.82
13:00:00	13:00:00	53.3	72.8	56.6	48.9	4:52 AM	213796.21	63.3	2137962.09	63.3	2137962.09	457088.19
13:01:00	13:01:00	52.6	75.4	57.1	48.8	4:53 AM	181970.09	62.6	1819700.86	62.6	1819700.86	512861.38
13:02:00	13:02:00	52.6	73.7	56.3	48.8	4:54 AM	181970.09	62.6	1819700.86	62.6	1819700.86	426579.52
13:03:00	13:03:00	54.7	76	62.1	49.5	4:55 AM	295120.92	64.7	2951209.23	64.7	2951209.23	1621810.10
13:04:00	13:04:00	53.4	72.2	57.8	49.5	4:56 AM	218776.16	63.4	2187761.62	63.4	2187761.62	602559.59
13:05:00	13:05:00	55.9	89.9	62.7	50.4	4:57 AM	389045.14	65.9	3890451.45	65.9	3890451.45	1862087.14
13:06:00	13:06:00	53.8	76.1	58.2	49.8	4:58 AM	239883.29	63.8	2398832.92	63.8	2398832.92	660693.45
13:07:00	13:07:00	52.8	70.3	56.5	49.3	4:59 AM	190546.07	62.8	1905460.72	62.8	1905460.72	446683.59
13:08:00	13:08:00	52.5	67.9	55.9	49.3	5:00 AM	177827.94	62.5	1778279.41	62.5	1778279.41	389045.14
13:09:00	13:09:00	52.4	68.7	56	49.2	5:01 AM	173780.08	62.4	1737800.83	62.4	1737800.83	398107.17
13:10:00	13:10:00	58	84.1	67.7	49.5	5:02 AM	630957.34	68	6309573.44	68.0	6309573.44	588843.66
13:11:00	13:11:00	53.8	73.3	60	49.1	5:03 AM	239883.29	63.8	2398832.92	63.8	2398832.92	1000000.00
13:12:00	13:12:00	52.4	69.1	55.9	49.4	5:04 AM	173780.08	62.4	1737800.83	62.4	1737800.83	389045.14
13:13:00	13:13:00	52.5	73.4	56.2	49	5:05 AM	177827.94	62.5	1778279.41	62.5	1778279.41	416869.38
13:14:00	13:14:00	52.6	69.8	56.4	49.1	5:06 AM	181970.09	62.6	1819700.86	62.6	1819700.86	436515.83
13:15:00	13:15:00	52.2	69.1	56.4	48.9	5:07 AM	165958.69	62.2	1659586.91	62.2	1659586.91	436515.83
13:16:00	13:16:00	52.8	71.7	57.1	48.9	5:08 AM	190546.07	62.8	1905460.72	62.8	1905460.72	512861.38
13:17:00	13:17:00	54.1	88.9	61.1	49	5:09 AM	257039.58	64.1	2570395.78	64.1	2570395.78	1288249.55
13:18:00	13:18:00	55.1	83.8	60.2	50.3	5:10 AM	323593.66	65.1	3235936.57	65.1	3235936.57	1047128.55
13:19:00	13:19:00	52.7	71.9	56.3	49.4	5:11 AM	186208.71	62.7	1862087.14	62.7	1862087.14	426579.52
13:20:00	13:20:00	52.9	73.3	56.6	49.5	5:12 AM	194984.46	62.9	1949844.60	62.9	1949844.60	457088.19
13:21:00	13:21:00	53.3	75.2	57.3	49.5	5:13 AM	213796.21	63.3	2137962.09	63.3	2137962.09	537031.80
13:22:00	13:22:00	52.6	73.4	56.1	49.3	5:14 AM	181970.09	62.6	1819700.86	62.6	1819700.86	407380.28
13:23:00	13:23:00	52.6	72.8	55.3	49.7	5:15 AM	181970.09	62.6	1819700.86	62.6	1819700.86	338844.16
13:24:00	13:24:00	54.5	74.3	60.6	50.1	5:16 AM	281838.29	64.5	2818382.93	64.5	2818382.93	1148153.62
13:25:00	13:25:00	52.3	70.7	55.7	49.3	5:17 AM	169824.37	62.3	1698243.65	62.3	1698243.65	371535.23
13:26:00	13:26:00	52.7	73.1	56	49.6	5:18 AM	186208.71	62.7	1862087.14	62.7	1862087.14	398107.17
13:27:00	13:27:00	52.5	72.3	55.9	49.4	5:19 AM	177827.94	62.5	1778279.41	62.5	1778279.41	389045.14
13:28:00	13:28:00	52.7	72.7	56.4	49.5	5:20 AM	186208.71	62.7	1862087.14	62.7	1862087.14	436515.83
13:29:00	13:29:00	52.9	72.5	58.2	49.4	5:21 AM	194984.46	62.9	1949844.60	62.9	1949844.60	660693.45
13:30:00	13:30:00	52.6	71.8	55.8	49.6	5:22 AM	181970.09	62.6	1819700.86	62.6	1819700.86	380189.40
13:31:00	13:31:00	52.9										

13:56:00	13:56:00	52.7	69.7	56.6	48.8	5:48 AM	186208.71	62.7	1862087.14	62.7	1862087.14	457088.19
13:57:00	13:57:00	52.7	68.8	56.7	49.1	5:49 AM	186208.71	62.7	1862087.14	62.7	1862087.14	467735.14
13:58:00	13:58:00	53.6	83.1	61.3	48.9	5:50 AM	229086.77	63.6	2290867.65	63.6	2290867.65	1348962.88
13:59:00	13:59:00	57.9	87.5	63.3	49	5:51 AM	616595.00	67.9	6165950.02	67.9	6165950.02	2137962.09
14:00:00	14:00:00	58.3	86.3	62.3	56.7	5:52 AM	676082.98	68.3	6760829.75	68.3	6760829.75	1698243.65
14:01:00	14:01:00	58	77.6	60.4	56.9	5:53 AM	630957.34	68	6309573.44	68.0	6309573.44	1096478.20
14:02:00	14:02:00	58	72.4	59.3	57.1	5:54 AM	630957.34	68	6309573.44	68.0	6309573.44	851138.04
14:03:00	14:03:00	58	74.2	59.3	57.2	5:55 AM	630957.34	68	6309573.44	68.0	6309573.44	851138.04
14:04:00	14:04:00	58.3	75.3	59.6	57.5	5:56 AM	676082.98	68.3	6760829.75	68.3	6760829.75	91210.84
14:05:00	14:05:00	58.2	74.7	59.4	57.4	5:57 AM	660693.48	68.2	6606934.48	68.2	6606934.48	870963.59
14:06:00	14:06:00	58.6	87	63.6	57.6	5:58 AM	724435.96	68.6	7244359.60	68.6	7244359.60	2290867.65
14:07:00	14:07:00	58.4	74.8	59.7	57.5	5:59 AM	691830.97	68.4	6918309.71	68.4	6918309.71	933254.30
14:08:00	14:08:00	58.4	76.7	60.1	57.5	6:00 AM	691830.97	68.4	6918309.71	68.4	6918309.71	1023292.99
14:09:00	14:09:00	58.4	73.5	59.5	57.5	6:01 AM	691830.97	68.4	6918309.71	68.4	6918309.71	891250.94
14:10:00	14:10:00	58.4	72.8	59.7	57.5	6:02 AM	691830.97	68.4	6918309.71	68.4	6918309.71	933254.30
14:11:00	14:11:00	58.6	84.6	63.3	57.4	6:03 AM	724435.96	68.6	7244359.60	68.6	7244359.60	2137962.09
14:12:00	14:12:00	58.5	73.4	60.1	57.6	6:04 AM	707945.78	68.5	7079457.84	68.5	7079457.84	1023292.99
14:13:00	14:13:00	58.4	74.1	59.9	57.6	6:05 AM	691830.97	68.4	6918309.71	68.4	6918309.71	977237.22
14:14:00	14:14:00	58.6	74	60.1	57.8	6:06 AM	724435.96	68.6	7244359.60	68.6	7244359.60	1023292.99
14:15:00	14:15:00	58.6	73.2	59.8	57.6	6:07 AM	724435.96	68.6	7244359.60	68.6	7244359.60	954992.59
14:16:00	14:16:00	59.5	88.9	64.5	57.8	6:08 AM	891250.94	69.5	8912509.38	69.5	8912509.38	2818382.93
14:17:00	14:17:00	58.7	74.2	60	58	6:09 AM	741310.24	68.7	7413102.41	68.7	7413102.41	1000000.00
14:18:00	14:18:00	58.7	73.5	60.1	57.9	6:10 AM	741310.24	68.7	7413102.41	68.7	7413102.41	1023292.99
14:19:00	14:19:00	58.6	73.1	59.6	57.8	6:11 AM	724435.96	68.6	7244359.60	68.6	7244359.60	91210.84
14:20:00	14:20:00	58.7	72.9	60.1	57.9	6:12 AM	741310.24	68.7	7413102.41	68.7	7413102.41	1023292.99
14:21:00	14:21:00	59.1	73.8	60.2	58.4	6:13 AM	812830.52	69.1	8128305.16	69.1	8128305.16	1047128.55
14:22:00	14:22:00	59.3	86.6	63.8	58.1	6:14 AM	851138.04	69.3	8511380.38	69.3	8511380.38	2398832.92
14:23:00	14:23:00	58.9	74.3	60.6	58.1	6:15 AM	776247.12	68.9	7762471.17	68.9	7762471.17	1148153.62
14:24:00	14:24:00	59.5	75.2	63.4	58.2	6:16 AM	891250.94	69.5	8912509.38	69.5	8912509.38	2187761.62
14:25:00	14:25:00	58.9	74	60.2	58.1	6:17 AM	776247.12	68.9	7762471.17	68.9	7762471.17	1047128.55
14:26:00	14:26:00	59.2	74.8	60.6	58.5	6:18 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1148153.62
14:27:00	14:27:00	59.5	87.7	64.5	58.5	6:19 AM	891250.94	69.5	8912509.38	69.5	8912509.38	2818382.93
14:28:00	14:28:00	59.2	74.4	60.5	58.4	6:20 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1122018.45
14:29:00	14:29:00	59.2	75.6	60.6	58.4	6:21 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1148153.62
14:30:00	14:30:00	59.4	74.9	61	58.5	6:22 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1258925.41
14:31:00	14:31:00	59.3	73.8	61	58.5	6:23 AM	851138.04	69.3	8511380.38	69.3	8511380.38	1258925.41
14:32:00	14:32:00	59.8	75.6	61.4	58.9	6:24 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1380384.26
14:33:00	14:33:00	61.4	88.4	67.5	59	6:25 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	5623413.25
14:34:00	14:34:00	59.7	79.5	61.9	58.9	6:26 AM	933254.30	69.7	9332543.01	69.7	9332543.01	1548816.62
14:35:00	14:35:00	59.8	77.1	64	58.6	6:27 AM	954992.59	69.8	9549925.86	69.8	9549925.86	2511886.43
14:36:00	14:36:00	60.1	78.2	65.7	58.6	6:28 AM	1023292.99	70.1	10232929.92	70.1	10232929.92	3715352.29
14:37:00	14:37:00	59.2	75.6	60	58.5	6:29 AM	831763.77	69.2	8317637.71	69.2	8317637.71	1000000.00
14:38:00	14:38:00	59.4	74.3	61.2	58.6	6:30 AM	870963.59	69.4	8709635.90	69.4	8709635.90	1318256.74
14:39:00	14:39:00	59.5	74.5	60.4	58.8	6:31 AM	891250.94	69.5	8912509.38	69.5	8912509.38	1096478.20
14:40:00	14:40:00	60.5	86.3	64.3	58.7	6:32 AM	1122018.45	70.5	11220184.54	70.5	11220184.54	2691534.80
14:41:00	14:41:00	60.8	79.8	62.4	60.1	6:33 AM	1202264.35	70.8	12022644.35	70.8	12022644.35	1737800.83
14:42:00	14:42:00	65.1	85.2	71.5	60.2	6:34 AM	3235936.57	75.1	32359365.69	75.1	32359365.69	14125375.45
14:43:00	14:43:00	63	80.1	67	62.1	6:35 AM	1995262.31	73	19952623.15	73.0	19952623.15	5011872.34
14:44:00	14:44:00	62.6	77.6	63.4	62.2	6:36 AM	1819700.86	72.6	18197008.59	72.6	18197008.59	2187761.62
14:45:00	14:45:00	63	77.1	64	62.4	6:37 AM	1995262.31	73	19952623.15	73.0	19952623.15	2511886.43
14:46:00	14:46:00	63.2	86.5	65.2	62.8	6:38 AM	2089296.13	73.2	20892961.31	73.2	20892961.31	3311311.21
14:47:00	14:47:00	64	87.4	68.8	61	6:39 AM	2511886.43	74	25118864.32	74.0	25118864.32	7585775.75
14:48:00	14:48:00	61.9	82.6	65.6	60.4	6:40 AM	15488166.19	71.9	15488166.19	71.9	15488166.19	3630780.55
14:49:00	14:49:00	62.3	87.2	66.3	59.5	6:41 AM	1698243.65	72.3	16982436.52	72.3	16982436.52	4265795.19
14:50:00	14:50:00	61.5	85	63.7	60.5	6:42 AM	1412537.54	71.5	14125375.45	71.5	14125375.45	2344228.82
14:51:00	14:51:00	76	102	84.2	61.2	6:43 AM	39810717.06	86	398107170.55	86.0	398107170.55	26302679.19
14:52:00	14:52:00	59.8	78.1	61.6	58.9	6:44 AM	954992.59	69.8	9549925.86	69.8	9549925.86	1445439.77
14:53:00	14:53:00	61.4	77.2	64	58.7	6:45 AM	1380384.26	71.4	13803842.65	71.4	13803842.65	2511886.43
14:54:00	14:54:00	64	88.8	69.3	61.5	6:46 AM	2511886.43	74	25118864.32	74.0	25118864.32	8511380.38
14:55:00	14:55:00	78.1	103.3	86.1	66.9	6:47 AM	645654229.03	88.1	645654229.03	88.1	645654229.03	407380277.80
14:56:00	14:56:00	62.4	83.9	71.6	48.9	6:48 AM	1737800.83	72.4	17378008.29	72.4	17378008.29	14454397.71
14:57:00	14:57:00	53.1	70.9	56.6	48.8	6:49 AM	2041737.94	63.1	2041737.94	63.1	2041737.94	457088.19
14:58:00	14:58:00	57.7	95.9	65.7	52.1	6:50 AM	5888436.66	67.7	58884365.55	67.7	58884365.55	3715352.29
14:59:00	14:59:00	59.5	89	69.5	50.3	6:51 AM	891250.94	69.5	8912509.38	69.5	8912509.38	8912509.38
15:00:00	15:00:00	54.5	80.1	65.1	49.3	6:52 AM	281838.29	64.5	2818382.93	64.5	2818382.93	3235936.57
15:01:00	15:01:00	51.5	68.2	54.2	48.5	6:53 AM	1412537.54	61.5	1412537.54	61.5	1412537.54	263026.80
15:02:00	15:02:00	51.7	69.9	54.3	49.1	6:54 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	269153.48
15:03:00	15:03:00	53.3	76.3	59.3	49.1	6:55 AM	213796.21	63.3	2137962.09	63.3	2137962.09	851138.04
15:04:00	15:04:00	54.2	72	58.9	50.4	6:56 AM	263026.80	64.2	2630267.99	64.2	2630267.99	776247.12
15:05:00	15:05:00	52.3	70.8	55.6	49.4	6:57 AM	169824.37	62.3	1698243.65	62.3	1698243.65	363078.05
15:06:00	15:06:00	52	69.4	55.2	48.8	6:58 AM	158489.32	62	1584893.19	62.0	1584893.19	331131.12
15:07:00	15:07:00	51.7	69.2	54.7	49.3	6:59 AM	1479108.39	61.7	1479108.39	61.7	1479108.39	295120.92
15:08:00	15:08:00	52.3	69.6	57.8	49.8	7:00 AM	169824.37	52.3	169824.37	52.3	169824.37	602559.59
15:09:00	15:09:00	52.3	70.1	55.1	49.9	7:01 AM	169824.37	52.3	169824.37	52.3	169824.37	323593.66
15:10:00	15:10:00	52.7	79.9	59.5	49.7	7:02 AM	186208.71	52.7	186208.71	52.7	186208.71	891250.94
15:11:00	15:11:00	52.5	70.3	55.6	50.4	7:03 AM	177827.94	52.5	177827.94	52.5	177827.94	363078.05
15:12:00	15:12:00	53.5	73.1	59.2	50.7	7:04 AM	223872.11	53.5	223872.11	53.5	223872.11	831763.77
15:13:00	15:13:00	53.1	73	57.5	50.1	7:05 AM	204173.79	53.1	204173.79	53.1	204173.79	562341.33
15:14:00	15:14:00	54.3	76.3	63.1	49.5	7:06 AM	269153.48	54.3	269153.48	54.3	269153.48	2041737.94
15:15:00	15:15:00	51.9	70.2	54.8	49.7	7:07 AM	154881.66	51.9	154881			

Data

15:41:00	15:41:00	52.7	73.7	55.9	50.3	7:33 AM	186208.71	52.7	186208.71	52.7	186208.71	389045.14
15:42:00	15:42:00	58.2	79.7	64.8	51.8	7:34 AM	660693.45	58.2	660693.45	58.2	660693.45	301995.72
15:43:00	15:43:00	57	72.7	58.7	55.9	7:35 AM	501187.23	57	501187.23	57.0	501187.23	741310.24
15:44:00	15:44:00	56.6	73.4	58.3	55.4	7:36 AM	457088.19	56.6	457088.19	56.6	457088.19	676082.98
15:45:00	15:45:00	56.6	72.2	58.7	54.9	7:37 AM	457088.19	56.6	457088.19	56.6	457088.19	741310.24
15:46:00	15:46:00	56.4	73	58	55.3	7:38 AM	436515.83	56.4	436515.83	56.4	436515.83	630957.34
15:47:00	15:47:00	55.9	77.8	58.5	53	7:39 AM	389045.14	55.9	389045.14	55.9	389045.14	707945.78
15:48:00	15:48:00	54.9	72.7	57.8	53.3	7:40 AM	309029.54	54.9	309029.54	54.9	309029.54	602559.59
15:49:00	15:49:00	54.8	70.1	56.5	53	7:41 AM	301995.17	54.8	301995.17	54.8	301995.17	446683.59
15:50:00	15:50:00	54.7	71.1	57.2	53	7:42 AM	295120.92	54.7	295120.92	54.7	295120.92	524807.46
15:51:00	15:51:00	54.9	71.2	56.5	53.5	7:43 AM	309029.54	54.9	309029.54	54.9	309029.54	446683.59
15:52:00	15:52:00	54.7	70.6	56.7	53.4	7:44 AM	295120.92	54.7	295120.92	54.7	295120.92	467735.14
15:53:00	15:53:00	56.2	78.1	61	54	7:45 AM	416869.38	56.2	416869.38	56.2	416869.38	1258925.41
15:54:00	15:54:00	60	83.8	68.5	54.6	7:46 AM	1000000.00	60	1000000.00	60.0	1000000.00	707945.78
15:55:00	15:55:00	55	72.3	59.5	53	7:47 AM	316227.77	55	316227.77	55.0	316227.77	891250.94
15:56:00	15:56:00	55.1	70.8	57.2	53.5	7:48 AM	323593.66	55.1	323593.66	55.1	323593.66	524807.46
15:57:00	15:57:00	54.4	69.7	56.8	53	7:49 AM	275422.87	54.4	275422.87	54.4	275422.87	478630.09
15:58:00	15:58:00	56.7	77.4	64.6	53.3	7:50 AM	467735.14	56.7	467735.14	56.7	467735.14	2884031.50
15:59:00	15:59:00	54.7	72.5	57.1	52.8	7:51 AM	295120.92	54.7	295120.92	54.7	295120.92	512861.38
16:00:00	16:00:00	55	74.6	57.8	53.7	7:52 AM	316227.77	55	316227.77	55.0	316227.77	602559.59
16:01:00	16:01:00	55.7	80.4	57.6	54.3	7:53 AM	371535.23	55.7	371535.23	55.7	371535.23	575439.94
16:02:00	16:02:00	55.3	72.4	57.4	53.4	7:54 AM	338844.16	55.3	338844.16	55.3	338844.16	549540.87
16:03:00	16:03:00	54.8	72.3	57.8	52.9	7:55 AM	301995.17	54.8	301995.17	54.8	301995.17	602559.59
16:04:00	16:04:00	55.3	73	58	53.5	7:56 AM	338844.16	55.3	338844.16	55.3	338844.16	630957.34
16:05:00	16:05:00	56.5	75.1	60.8	50.6	7:57 AM	446683.59	56.5	446683.59	56.5	446683.59	1202264.43
16:06:00	16:06:00	53.4	72.6	56.9	51	7:58 AM	218776.16	53.4	218776.16	53.4	218776.16	489778.82
16:07:00	16:07:00	54.6	72.8	59.4	51.6	7:59 AM	288403.15	54.6	288403.15	54.6	288403.15	870963.59
16:08:00	16:08:00	53.2	70.6	56.8	49.6	8:00 AM	208929.61	53.2	208929.61	53.2	208929.61	478630.09
16:09:00	16:09:00	52.3	69	55.8	49.5	8:01 AM	169824.37	52.3	169824.37	52.3	169824.37	380189.40
16:10:00	16:10:00	52.9	69.3	56.5	50	8:02 AM	194984.46	52.9	194984.46	52.9	194984.46	446683.59
16:11:00	16:11:00	64.5	94.9	77.7	50.3	8:03 AM	2818382.93	64.5	2818382.93	64.5	2818382.93	58884365.54
16:12:00	16:12:00	62.1	76.9	64	61.6	8:04 AM	1621810.10	62.1	1621810.10	62.1	1621810.10	2511886.43
16:13:00	16:13:00	62.4	78.1	65.7	61.6	8:05 AM	1737800.83	62.4	1737800.83	62.4	1737800.83	3715352.29
16:14:00	16:14:00	62	77.2	62.7	61.7	8:06 AM	1584893.19	62	1584893.19	62.0	1584893.19	1862087.14
16:15:00	16:15:00	62.1	77.1	62.8	61.8	8:07 AM	1621810.10	62.1	1621810.10	62.1	1621810.10	1905460.72
16:16:00	16:16:00	62	77.4	62.6	61.6	8:08 AM	1584893.19	62	1584893.19	62.0	1584893.19	1819700.86
16:17:00	16:17:00	62.1	77.4	62.7	61.7	8:09 AM	1621810.10	62.1	1621810.10	62.1	1621810.10	1862087.14
16:18:00	16:18:00	62.3	85	63.5	61.4	8:10 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	2238721.14
16:19:00	16:19:00	64.4	83.6	68.2	62	8:11 AM	2754228.70	64.4	2754228.70	64.4	2754228.70	6066934.48
16:20:00	16:20:00	62.5	78.1	63.3	62	8:12 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	2137962.09
16:21:00	16:21:00	62.4	76.4	63	62	8:13 AM	1737800.83	62.4	1737800.83	62.4	1737800.83	1995262.31
16:22:00	16:22:00	64.6	89.1	73.1	62	8:14 AM	2884031.50	64.6	2884031.50	64.6	2884031.50	20417379.45
16:23:00	16:23:00	63.2	84.6	70.5	62	8:15 AM	2089296.13	63.2	2089296.13	63.2	2089296.13	11220184.54
16:24:00	16:24:00	62.5	76.6	63.2	61.5	8:16 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	2089296.13
16:25:00	16:25:00	62.7	77.2	64	62	8:17 AM	1862087.14	62.7	1862087.14	62.7	1862087.14	2511886.43
16:26:00	16:26:00	62.4	79.5	62.9	61.9	8:18 AM	1737800.83	62.4	1737800.83	62.4	1737800.83	1949844.60
16:27:00	16:27:00	62.3	76.9	62.9	61.9	8:19 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	1949844.60
16:28:00	16:28:00	62.3	83	64.3	61.8	8:20 AM	1698243.65	62.3	1698243.65	62.3	1698243.65	2691534.80
16:29:00	16:29:00	62.2	76.8	62.9	61.8	8:21 AM	1659586.91	62.2	1659586.91	62.2	1659586.91	1949844.60
16:30:00	16:30:00	62.6	79.7	64.4	61.1	8:22 AM	1819700.86	62.6	1819700.86	62.6	1819700.86	2754228.70
16:31:00	16:31:00	62.9	81	66	62	8:23 AM	1949844.60	62.9	1949844.60	62.9	1949844.60	3981071.71
16:32:00	16:32:00	62.5	76.7	63.1	62	8:24 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	2041737.94
16:33:00	16:33:00	62.6	76.9	63.4	61.9	8:25 AM	1819700.86	62.6	1819700.86	62.6	1819700.86	2187761.62
16:34:00	16:34:00	62.5	77	63.1	61.9	8:26 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	2041737.94
16:35:00	16:35:00	62.5	79.6	63	61.8	8:27 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	1995262.31
16:36:00	16:36:00	62.5	79.4	63.3	62	8:28 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	2137962.09
16:37:00	16:37:00	63	83.5	66.7	61.8	8:29 AM	1995262.31	63	1995262.31	63.0	1995262.31	4677351.41
16:38:00	16:38:00	62.4	76.9	66.6	61.3	8:30 AM	1737800.83	62.4	1737800.83	62.4	1737800.83	4570881.90
16:39:00	16:39:00	65.8	85.2	67.1	61.2	8:31 AM	3801893.96	65.8	3801893.96	65.8	3801893.96	5128613.84
16:40:00	16:40:00	66.3	80	67	65.7	8:32 AM	4265795.19	66.3	4265795.19	66.3	4265795.19	5011872.34
16:41:00	16:41:00	65.6	84	67.5	61.8	8:33 AM	3630780.55	65.6	3630780.55	65.6	3630780.55	5623413.25
16:42:00	16:42:00	62.2	82.5	64.1	61.6	8:34 AM	1659586.91	62.2	1659586.91	62.2	1659586.91	2570395.78
16:43:00	16:43:00	62.5	78.3	64.2	61.8	8:35 AM	1778279.41	62.5	1778279.41	62.5	1778279.41	2630267.99
16:44:00	16:44:00	63.7	83.2	68	61.8	8:36 AM	2344228.82	63.7	2344228.82	63.7	2344228.82	6309573.44
16:45:00	16:45:00	64.3	85.1	71	62.1	8:37 AM	2691534.80	64.3	2691534.80	64.3	2691534.80	12589254.12
16:46:00	16:46:00	63.6	80.9	68.4	61.9	8:38 AM	2290867.65	63.6	2290867.65	63.6	2290867.65	6918309.71
16:47:00	16:47:00	65.7	90.9	73	64.4	8:39 AM	3715352.29	65.7	3715352.29	65.7	3715352.29	19952623.15
16:48:00	16:48:00	68.2	91.3	78.5	51.7	8:40 AM	6606934.48	68.2	6606934.48	68.2	6606934.48	70794578.44
16:49:00	16:49:00	52.8	70.1	55.9	50.5	8:41 AM	190546.07	52.8	190546.07	52.8	190546.07	389045.14
16:50:00	16:50:00	53.1	71.9	55.9	50.2	8:42 AM	204173.79	53.1	204173.79	53.1	204173.79	389045.14
16:51:00	16:51:00	53.1	73.2	56	51	8:43 AM	204173.79	53.1	204173.79	53.1	204173.79	398107.17
16:52:00	16:52:00	56.1	72.6	61.6	50.4	8:44 AM	407380.28	56.1	407380.28	56.1	407380.28	1445439.77
16:53:00	16:53:00	61	85.5	71.5	50.6	8:45 AM	1258925.41	61	1258925.41	61.0	1258925.41	14125375.45
16:54:00	16:54:00	52.5	68.4	55.6	50.1	8:46 AM	177827.94	52.5	177827.94	52.5	177827.94	3630780.05
16:55:00	16:55:00	55.7	77.4	64.3	50.1	8:47 AM	371535.23	55.7	371535.23	55.7	371535.23	2691534.80
16:56:00	16:56:00	52.4	80.2	55	49.9	8:48 AM	173780.08	52.4	173780.08	52.4	173780.08	316227.77
16:57:00	16:57:00	52.1	68.1	55.7	49.8	8:49 AM	162181.01	52.1	162181.01	52.1	162181.01	371535.23
16:58:00	16:58:00	52.4	68	55.5	50.1	8:50 AM	173780.08	52.4	173780.08	52.4	173780.08	354813.39
16:59:00	16:59:00	52.5	69.6	55.8	49.9	8:51 AM	177827.94	52.5	177827.94	52.5	177827.94	380189.40
17:00:00	17:00:00	54.8	75.4	61.9	51	8:52 AM	301995.17	54.8	301995.17	54.8	301995.17	1548816.62
17:01:00	17:01:00	54.7	73.3	59.4	50.7	8:						

17:26:00	17:26:00	52.4	73.4	56.1	49.7	9:18 AM	173780.08	52.4	173780.08	52.4	173780.08	407380.28
17:27:00	17:27:00	52.2	72.1	54.9	49.7	9:19 AM	165958.69	52.2	165958.69	52.2	165958.69	309029.54
17:28:00	17:28:00	52.5	72.7	55.5	49.7	9:20 AM	177827.94	52.5	177827.94	52.5	177827.94	354813.39
17:29:00	17:29:00	52.5	71.1	56.1	50.1	9:21 AM	177827.94	52.5	177827.94	52.5	177827.94	407380.28
17:30:00	17:30:00	53.2	72.1	56.4	50.7	9:22 AM	208929.61	53.2	208929.61	53.2	208929.61	436515.83
17:31:00	17:31:00	53.3	71.7	57	50.3	9:23 AM	213796.21	53.3	213796.21	53.3	213796.21	501187.23
17:32:00	17:32:00	55.9	75.9	62.3	51.1	9:24 AM	389045.14	55.9	389045.14	55.9	389045.14	1698243.65
17:33:00	17:33:00	53.8	75	57.1	50.8	9:25 AM	239883.29	53.8	239883.29	53.8	239883.29	512861.38
17:34:00	17:34:00	53.7	77.6	60	50.3	9:26 AM	234422.88	53.7	234422.88	53.7	234422.88	1000000.00
17:35:00	17:35:00	53.3	71.4	56.2	50.4	9:27 AM	213796.21	53.3	213796.21	53.3	213796.21	416869.38
17:36:00	17:36:00	53.8	71.6	58.7	49.5	9:28 AM	239883.29	53.8	239883.29	53.8	239883.29	741310.24
17:37:00	17:37:00	52.6	69.1	56.5	50.3	9:29 AM	181970.09	52.6	181970.09	52.6	181970.09	446683.59
17:38:00	17:38:00	53.7	74.1	60	50.1	9:30 AM	234422.88	53.7	234422.88	53.7	234422.88	1000000.00
17:39:00	17:39:00	52.7	71	55.4	50.8	9:31 AM	186208.71	52.7	186208.71	52.7	186208.71	346736.85
17:40:00	17:40:00	53.8	74.6	58.3	50.4	9:32 AM	239883.29	53.8	239883.29	53.8	239883.29	676082.98
17:41:00	17:41:00	55.2	76.3	59.7	52.3	9:33 AM	331131.12	55.2	331131.12	55.2	331131.12	933254.30
17:42:00	17:42:00	54.7	73.9	57.3	51.5	9:34 AM	295120.92	54.7	295120.92	54.7	295120.92	537031.80
17:43:00	17:43:00	60.3	90.4	70.6	51.6	9:35 AM	1071519.31	60.3	1071519.31	60.3	1071519.31	11481536.21
17:44:00	17:44:00	55.1	81.5	59.7	50.5	9:36 AM	323593.66	55.1	323593.66	55.1	323593.66	933254.30
17:45:00	17:45:00	52.5	72	55.8	49.9	9:37 AM	177827.94	52.5	177827.94	52.5	177827.94	380189.40
17:46:00	17:46:00	52.8	70.1	55.7	50.5	9:38 AM	190546.07	52.8	190546.07	52.8	190546.07	371535.23
17:47:00	17:47:00	54.3	79.2	61.1	50.4	9:39 AM	269153.48	54.3	269153.48	54.3	269153.48	1288249.55
17:48:00	17:48:00	55.3	83.4	64.4	51.7	9:40 AM	338844.16	55.3	338844.16	55.3	338844.16	2754228.70
17:49:00	17:49:00	54.5	70.9	57.7	52.2	9:41 AM	281838.29	54.5	281838.29	54.5	281838.29	588843.66
17:50:00	17:50:00	59.9	100.5	71.3	50.7	9:42 AM	977237.22	59.9	977237.22	59.9	977237.22	13489628.83
17:51:00	17:51:00	66.8	88.1	75.3	50.8	9:43 AM	4786300.92	66.8	4786300.92	66.8	4786300.92	33884415.61
17:52:00	17:52:00	62.7	82.4	66.1	55.3	9:44 AM	1862087.14	62.7	1862087.14	62.7	1862087.14	4073802.78
17:53:00	17:53:00	66.4	90.4	77	55.1	9:45 AM	4365158.32	66.4	4365158.32	66.4	4365158.32	50118723.36
17:54:00	17:54:00	59.5	83.2	67.3	55.9	9:46 AM	891250.94	59.5	891250.94	59.5	891250.94	5370317.96
17:55:00	17:55:00	59.3	82.5	65.1	55.1	9:47 AM	851138.04	59.3	851138.04	59.3	851138.04	3235936.57
17:56:00	17:56:00	62.4	87.4	69.6	55.4	9:48 AM	1737800.83	62.4	1737800.83	62.4	1737800.83	912108.39
17:57:00	17:57:00	53.6	78.8	57.3	51.3	9:49 AM	229086.77	53.6	229086.77	53.6	229086.77	537031.80
17:58:00	17:58:00	54.3	82.2	58.6	50.9	9:50 AM	269153.48	54.3	269153.48	54.3	269153.48	724435.96
17:59:00	17:59:00	54	80.9	57.1	51.9	9:51 AM	251188.64	54	251188.64	54.0	251188.64	512861.38
18:00:00	18:00:00	54	85.9	59.2	50.8	9:52 AM	251188.64	54	251188.64	54.0	251188.64	831763.77
18:01:00	18:01:00	53.8	82.7	56.7	51.4	9:53 AM	239883.29	53.8	239883.29	53.8	239883.29	467735.14
18:02:00	18:02:00	54.2	70.9	57.7	50.8	9:54 AM	263026.80	54.2	263026.80	54.2	263026.80	588843.66
18:03:00	18:03:00	59.5	85.4	63.8	52.1	9:55 AM	891250.94	59.5	891250.94	59.5	891250.94	2398832.92
18:04:00	18:04:00	60.2	88.6	66.7	52.8	9:56 AM	1047128.55	60.2	1047128.55	60.2	1047128.55	4677351.41
18:05:00	18:05:00	61.5	87.4	67.5	52.2	9:57 AM	1412537.54	61.5	1412537.54	61.5	1412537.54	5623413.25
18:06:00	18:06:00	57.2	80.5	64.8	51.1	9:58 AM	524807.46	57.2	524807.46	57.2	524807.46	3019951.72
18:07:00	18:07:00	54.6	72.5	59.4	50.8	9:59 AM	288403.15	54.6	288403.15	54.6	288403.15	870963.59
18:08:00	18:08:00	53.8	73.9	60.4	50.2	10:00 AM	239883.29	53.8	239883.29	53.8	239883.29	1096478.20
18:09:00	18:09:00	57.1	83.3	67	50.1	10:01 AM	512861.38	57.1	512861.38	57.1	512861.38	5011872.34
18:10:00	18:10:00	53.7	77.5	58.6	50.4	10:02 AM	234422.88	53.7	234422.88	53.7	234422.88	724435.96
18:11:00	18:11:00	57.8	87.2	63.1	52.1	10:03 AM	602559.59	57.8	602559.59	57.8	602559.59	2041737.94
18:12:00	18:12:00	55.1	79.4	60.3	52.1	10:04 AM	323593.66	55.1	323593.66	55.1	323593.66	1071519.31
18:13:00	18:13:00	55.4	75.3	61.3	50.2	10:05 AM	346736.85	55.4	346736.85	55.4	346736.85	1348962.88
18:14:00	18:14:00	53	79.2	56.5	50.9	10:06 AM	199526.23	53	199526.23	53.0	199526.23	446683.59
18:15:00	18:15:00	54.2	77.4	58.3	49.8	10:07 AM	263026.80	54.2	263026.80	54.2	263026.80	676082.98
18:16:00	18:16:00	53.3	73.1	58.1	50.5	10:08 AM	213796.21	53.3	213796.21	53.3	213796.21	645654.23
18:17:00	18:17:00	53.6	75	58.3	50.1	10:09 AM	229086.77	53.6	229086.77	53.6	229086.77	676082.98
18:18:00	18:18:00	53.3	76.7	58.6	49.5	10:10 AM	213796.21	53.3	213796.21	53.3	213796.21	724435.96
18:19:00	18:19:00	54.9	77	62	50.6	10:11 AM	309029.54	54.9	309029.54	54.9	309029.54	1584893.19
18:20:00	18:20:00	53.7	71.7	58.1	50.6	10:12 AM	234422.88	53.7	234422.88	53.7	234422.88	645654.23
18:21:00	18:21:00	52.7	72	56.5	50.3	10:13 AM	186208.71	52.7	186208.71	52.7	186208.71	446683.59
18:22:00	18:22:00	53.9	71.9	58.3	50.2	10:14 AM	245470.89	53.9	245470.89	53.9	245470.89	676082.98
18:23:00	18:23:00	53.9	70.1	57.6	51.2	10:15 AM	245470.89	53.9	245470.89	53.9	245470.89	575439.94
18:24:00	18:24:00	57.6	82.9	66.2	52.2	10:16 AM	575439.94	57.6	575439.94	57.6	575439.94	4168693.83
18:25:00	18:25:00	58.9	86.3	66.4	50.7	10:17 AM	776247.12	58.9	776247.12	58.9	776247.12	4365158.32
18:26:00	18:26:00	53.7	70.6	59	50.5	10:18 AM	234422.88	53.7	234422.88	53.7	234422.88	794328.23
18:27:00	18:27:00	55.5	82.5	65	51.2	10:19 AM	354813.39	55.5	354813.39	55.5	354813.39	3162277.66
18:28:00	18:28:00	53.1	71.2	56.3	50.3	10:20 AM	204173.79	53.1	204173.79	53.1	204173.79	426579.52
18:29:00	18:29:00	54.8	75.4	60	50.6	10:21 AM	301995.17	54.8	301995.17	54.8	301995.17	1000000.00
18:30:00	18:30:00	53.7	73.9	57.8	51.2	10:22 AM	234422.88	53.7	234422.88	53.7	234422.88	602559.59
18:31:00	18:31:00	52.8	72.9	57.5	49.9	10:23 AM	190546.07	52.8	190546.07	52.8	190546.07	562341.33
18:32:00	18:32:00	55.6	78.2	64.3	50.3	10:24 AM	363078.05	55.6	363078.05	55.6	363078.05	2691534.80
18:33:00	18:33:00	54	71.2	58.4	51.1	10:25 AM	251188.64	54	251188.64	54.0	251188.64	691830.97
18:34:00	18:34:00	54	75.8	58.2	51.2	10:26 AM	251188.64	54	251188.64	54.0	251188.64	660693.45
18:35:00	18:35:00	54.8	76.4	59.1	51.1	10:27 AM	301995.17	54.8	301995.17	54.8	301995.17	812830.52
18:36:00	18:36:00	54	74.6	57.9	51.4	10:28 AM	251188.64	54	251188.64	54.0	251188.64	616595.00
18:37:00	18:37:00	54.5	73.5	58	51.1	10:29 AM	281838.29	54.5	281838.29	54.5	281838.29	630957.34
18:38:00	18:38:00	54.2	75.2	57.4	51.8	10:30 AM	263026.80	54.2	263026.80	54.2	263026.80	549540.87
18:39:00	18:39:00	55.1	74.7	60.3	52.1	10:31 AM	323593.66	55.1	323593.66	55.1	323593.66	1071519.31
18:40:00	18:40:00	58.4	85.9	65.4	54.3	10:32 AM	691830.97	58.4	691830.97	58.4	691830.97	3467368.50
18:41:00	18:41:00	61.3	82.6	68.6	54.5	10:33 AM	1348962.88	61.3	1348962.88	61.3	1348962.88	7244359.60
18:42:00	18:42:00	56.2	77.1	61.7	53.5	10:34 AM	416869.38	56.2	416869.38	56.2	416869.38	1479108.39
18:43:00	18:43:00	55.8	77.2	58.7	53	10:35 AM	380189.40	55.8	380189.40	55.8	380189.40	741310.24
18:44:00	18:44:00	55.4	77.6	59.3	51.1	10:36 AM	346736.85	55.4	346736.85	55.4	346736.85	851138.04
18:45:00	18:45:00	54.7	78.5	60.3	50.9	10:37 AM	295120.92	54.7	295120.92	54.7	295120.92	1071519.31
18:46:00	18:46:00	53.8	70.3	57.8	50.4	10:38 AM	239883.29	53.8	239883.2			

		Data										
19:11:00	19:11:00	54.5	79.8	59.7	50.7	11:03 AM	281838.29	54.5	281838.29	54.5	281838.29	933254.30
19:12:00	19:12:00	54.4	80.2	61.3	50.8	11:04 AM	275422.87	54.4	275422.87	54.4	275422.87	1348962.88
19:13:00	19:13:00	53.4	74.7	56.8	50.4	11:05 AM	218776.16	53.4	218776.16	53.4	218776.16	478630.09
19:14:00	19:14:00	56.1	76.4	63.6	51.1	11:06 AM	407380.28	56.1	407380.28	56.1	407380.28	2290867.65
19:15:00	19:15:00	56.9	87	64.5	51.2	11:07 AM	489778.82	56.9	489778.82	56.9	489778.82	2818382.93
19:16:00	19:16:00	57.2	77.5	63.6	50.4	11:08 AM	524807.46	57.2	524807.46	57.2	524807.46	2290867.65
19:17:00	19:17:00	53.7	79.1	56.9	50.4	11:09 AM	234422.88	53.7	234422.88	53.7	234422.88	489778.82
19:18:00	19:18:00	53.9	78.6	57.1	51.1	11:10 AM	245470.89	53.9	245470.89	53.9	245470.89	512861.38
19:19:00	19:19:00	55.3	76.9	60.1	51.1	11:11 AM	338844.16	55.3	338844.16	55.3	338844.16	1023292.99
19:20:00	19:20:00	54.2	73.1	57.4	51.4	11:12 AM	263026.80	54.2	263026.80	54.2	263026.80	549540.87
19:21:00	19:21:00	53.9	75.3	59.1	50.4	11:13 AM	245470.89	53.9	245470.89	53.9	245470.89	812830.52
19:22:00	19:22:00	54.6	78.1	59.7	50.7	11:14 AM	288403.15	54.6	288403.15	54.6	288403.15	933254.30
19:23:00	19:23:00	52.9	74.4	56.3	49.8	11:15 AM	194984.46	52.9	194984.46	52.9	194984.46	426579.52
19:24:00	19:24:00	56.9	77.5	64.4	51.3	11:16 AM	489778.82	56.9	489778.82	56.9	489778.82	2754228.70
19:25:00	19:25:00	61.6	89.7	70.4	50.4	11:17 AM	1445439.77	61.6	1445439.77	61.6	1445439.77	10964781.96
19:26:00	19:26:00	57	77	66.7	51.1	11:18 AM	501187.23	57	501187.23	57.0	501187.23	4677351.41
19:27:00	19:27:00	52.8	77	56.6	50	11:19 AM	190546.07	52.8	190546.07	52.8	190546.07	457088.19
19:28:00	19:28:00	52.5	70.6	56.2	49.7	11:20 AM	177827.94	52.5	177827.94	52.5	177827.94	416869.38
19:29:00	19:29:00	52.6	69.2	56.5	50.3	11:21 AM	181970.09	52.6	181970.09	52.6	181970.09	446683.59
19:30:00	19:30:00	56	75.5	62.1	50.1	11:22 AM	398107.17	56	398107.17	56.0	398107.17	1621810.10
19:31:00	19:31:00	55	77.2	63.5	50.7	11:23 AM	316227.77	55	316227.77	55.0	316227.77	2238721.14
19:32:00	19:32:00	52.5	75.1	57.2	49.9	11:24 AM	177827.94	52.5	177827.94	52.5	177827.94	524807.46
19:33:00	19:33:00	53.7	80.3	61.7	49.7	11:25 AM	234422.88	53.7	234422.88	53.7	234422.88	1479108.39
19:34:00	19:34:00	60.5	82.1	67.7	51.9	11:26 AM	1122018.45	60.5	1122018.45	60.5	1122018.45	5888436.55
19:35:00	19:35:00	53.7	70.8	58.5	51.1	11:27 AM	234422.88	53.7	234422.88	53.7	234422.88	707945.78
19:36:00	19:36:00	53.7	75.4	58.3	50	11:28 AM	234422.88	53.7	234422.88	53.7	234422.88	676082.98
19:37:00	19:37:00	53	73.2	57.1	50.7	11:29 AM	199526.23	53	199526.23	53.0	199526.23	512861.38
19:38:00	19:38:00	53.6	76.6	57.4	50.4	11:30 AM	229086.77	53.6	229086.77	53.6	229086.77	549540.87
19:39:00	19:39:00	53.2	78.8	55.9	50.6	11:31 AM	208929.61	53.2	208929.61	53.2	208929.61	389045.14
19:40:00	19:40:00	54	74.6	57.4	50.5	11:32 AM	251188.64	54	251188.64	54.0	251188.64	549540.87
19:41:00	19:41:00	54.5	74.1	58	51.1	11:33 AM	281838.29	54.5	281838.29	54.5	281838.29	630957.34
19:42:00	19:42:00	53.8	71.8	57.5	51.2	11:34 AM	239883.29	53.8	239883.29	53.8	239883.29	562341.33
19:43:00	19:43:00	54.2	73.4	59.8	50.8	11:35 AM	263026.80	54.2	263026.80	54.2	263026.80	954992.59
19:44:00	19:44:00	55	74.1	58.6	52.4	11:36 AM	316227.77	55	316227.77	55.0	316227.77	724435.96
19:45:00	19:45:00	54.5	79	59.5	50.8	11:37 AM	281838.29	54.5	281838.29	54.5	281838.29	891250.94
19:46:00	19:46:00	54	73.2	57.2	50.8	11:38 AM	251188.64	54	251188.64	54.0	251188.64	524807.46
19:47:00	19:47:00	55.4	79.8	63.8	51.4	11:39 AM	346736.85	55.4	346736.85	55.4	346736.85	2398832.92
19:48:00	19:48:00	54.3	77.2	57.9	51.4	11:40 AM	269153.48	54.3	269153.48	54.3	269153.48	616595.00
19:49:00	19:49:00	53.5	77.3	58.3	50.1	11:41 AM	223872.11	53.5	223872.11	53.5	223872.11	676082.98
19:50:00	19:50:00	52.6	71.9	56.3	50.1	11:42 AM	181970.09	52.6	181970.09	52.6	181970.09	426579.52
19:51:00	19:51:00	54.8	77.2	60.6	50.5	11:43 AM	301995.17	54.8	301995.17	54.8	301995.17	1148153.62
19:52:00	19:52:00	54.6	75	60.7	50.6	11:44 AM	288403.15	54.6	288403.15	54.6	288403.15	1174897.55
19:53:00	19:53:00	53.6	77.8	56.9	50.6	11:45 AM	229086.77	53.6	229086.77	53.6	229086.77	489778.82
19:54:00	19:54:00	53.1	71.1	57.2	50	11:46 AM	204173.79	53.1	204173.79	53.1	204173.79	524807.46
19:55:00	19:55:00	52.6	68.9	57	50.2	11:47 AM	181970.09	52.6	181970.09	52.6	181970.09	501187.23
19:56:00	19:56:00	55.2	76	60.4	50.4	11:48 AM	331131.12	55.2	331131.12	55.2	331131.12	1096478.20
19:57:00	19:57:00	54.3	78.4	62.5	51.5	11:49 AM	269153.48	54.3	269153.48	54.3	269153.48	1778279.41
19:58:00	19:58:00	54.7	75.3	62.5	50.4	11:50 AM	295120.92	54.7	295120.92	54.7	295120.92	1778279.41
19:59:00	19:59:00	53.2	74.3	57.3	50.4	11:51 AM	208929.61	53.2	208929.61	53.2	208929.61	537031.80
20:00:00	20:00:00	53.4	71.8	58.3	50.5	11:52 AM	218776.16	53.4	218776.16	53.4	218776.16	676082.98
20:01:00	20:01:00	60.1	81.9	69.1	52.5	11:53 AM	1023292.99	60.1	1023292.99	60.1	1023292.99	8128305.16
20:02:00	20:02:00	55.1	71.9	58.6	51.1	11:54 AM	323593.66	55.1	323593.66	55.1	323593.66	724435.96
20:03:00	20:03:00	53.8	73.5	59	50.5	11:55 AM	239883.29	53.8	239883.29	53.8	239883.29	794328.23
20:04:00	20:04:00	53.1	74.4	56.7	50.6	11:56 AM	204173.79	53.1	204173.79	53.1	204173.79	467735.14
20:05:00	20:05:00	53.2	70.9	56.7	50.2	11:57 AM	208929.61	53.2	208929.61	53.2	208929.61	467735.14
20:06:00	20:06:00	53.1	71.4	57	50	11:58 AM	204173.79	53.1	204173.79	53.1	204173.79	501187.23
20:07:00	20:07:00	53.3	73.2	57.1	50.3	11:59 AM	213796.21	53.3	213796.21	53.3	213796.21	512861.38
20:08:00	20:08:00	53.2	74.8	55.7	50.5	12:00 PM	208929.61	53.2	208929.61	53.2	208929.61	371535.23
20:09:00	20:09:00	54	76.5	58.3	50.6	12:01 PM	251188.64	54	251188.64	54.0	251188.64	676082.98
20:10:00	20:10:00	53.6	75	56.9	51.3	12:02 PM	229086.77	53.6	229086.77	53.6	229086.77	489778.82
20:11:00	20:11:00	53.5	74.7	57.2	50.5	12:03 PM	223872.11	53.5	223872.11	53.5	223872.11	524807.46
20:12:00	20:12:00	54.5	71.6	58.5	51.2	12:04 PM	281838.29	54.5	281838.29	54.5	281838.29	707945.78
20:13:00	20:13:00	53.5	69.6	58	50.4	12:05 PM	223872.11	53.5	223872.11	53.5	223872.11	630957.34
20:14:00	20:14:00	53.9	70.8	58.2	50.9	12:06 PM	245470.89	53.9	245470.89	53.9	245470.89	660693.45
20:15:00	20:15:00	54.5	76.5	59.3	50.6	12:07 PM	281838.29	54.5	281838.29	54.5	281838.29	851138.04
20:16:00	20:16:00	54.5	73.8	59.6	50.7	12:08 PM	281838.29	54.5	281838.29	54.5	281838.29	912101.84
20:17:00	20:17:00	53.5	76.3	58.2	51.1	12:09 PM	223872.11	53.5	223872.11	53.5	223872.11	660693.45
20:18:00	20:18:00	55.2	73	58.8	52.5	12:10 PM	331131.12	55.2	331131.12	55.2	331131.12	758577.58
20:19:00	20:19:00	55.9	72.9	60.7	52.2	12:11 PM	389045.14	55.9	389045.14	55.9	389045.14	1174897.55
20:20:00	20:20:00	57.1	80.4	67.1	51.3	12:12 PM	512861.38	57.1	512861.38	57.1	512861.38	512861.38
20:21:00	20:21:00	53.5	70.7	56.3	51.1	12:13 PM	223872.11	53.5	223872.11	53.5	223872.11	426579.52
20:22:00	20:22:00	55.1	80.6	62.9	51.8	12:14 PM	323593.66	55.1	323593.66	55.1	323593.66	1949844.60
20:23:00	20:23:00	52.5	68.8	55.2	50.2	12:15 PM	177827.94	52.5	177827.94	52.5	177827.94	331131.12
20:24:00	20:24:00	54.6	77.6	62.6	50.4	12:16 PM	288403.15	54.6	288403.15	54.6	288403.15	1819700.86
20:25:00	20:25:00	53.8	74.2	58.3	50.6	12:17 PM	239883.29	53.8	239883.29	53.8	239883.29	676082.98
20:26:00	20:26:00	54.8	78.4	61.7	51.2	12:18 PM	301995.17	54.8	301995.17	54.8	301995.17	1479108.39
20:27:00	20:27:00	54.4	78.3	59.8	51.1	12:19 PM	275422.87	54.4	275422.87	54.4	275422.87	954992.59
20:28:00	20:28:00	53.2	73.4	57	51	12:20 PM	208929.61	53.2	208929.61	53.2	208929.61	501187.23
20:29:00	20:29:00	54.3	74	59.7	51.2	12:21 PM	269153.48	54.3	269153.48	54.3	269153.48	933254.30
20:30:00	20:30:00	55	80.6	64	50.9	12:22 PM	316227.77	55	316227.77	55.0	316227.77	2511886.43
20:31:00	20:31:00	61.3	90.1	69.6	51.6	12:23 PM						

Data

20:56:00	20:56:00	55	72.9	59.4	51.3	12:48 PM	316227.77	55	316227.77	55.0	316227.77	870963.59
20:57:00	20:57:00	54.9	75	61.4	51.5	12:49 PM	309029.54	54.9	309029.54	54.9	309029.54	1380384.26
20:58:00	20:58:00	57.5	79.5	65.8	51.1	12:50 PM	562341.33	57.5	562341.33	57.5	562341.33	3801893.96
20:59:00	20:59:00	66.3	93.1	74.3	54.5	12:51 PM	4265795.19	66.3	4265795.19	66.3	4265795.19	26915348.04
21:00:00	21:00:00	59.5	86	67.3	54.8	12:52 PM	891250.94	59.5	891250.94	59.5	891250.94	5370317.96
21:01:00	21:01:00	59.3	85.5	63.7	51.4	12:53 PM	851138.04	59.3	851138.04	59.3	851138.04	2344228.82
21:02:00	21:02:00	55.7	82.9	64.5	52.1	12:54 PM	371535.23	55.7	371535.23	55.7	371535.23	2818382.93
21:03:00	21:03:00	54.9	78.3	60.4	51.1	12:55 PM	309029.54	54.9	309029.54	54.9	309029.54	1096478.20
21:04:00	21:04:00	55.4	79.2	61.2	52.1	12:56 PM	346736.85	55.4	346736.85	55.4	346736.85	1318256.74
21:05:00	21:05:00	55.9	78.3	62.5	52.1	12:57 PM	389045.14	55.9	389045.14	55.9	389045.14	1778279.41
21:06:00	21:06:00	56.1	77.4	59.7	52.9	12:58 PM	407380.28	56.1	407380.28	56.1	407380.28	933254.30
21:07:00	21:07:00	54.3	77.9	58.1	51.5	12:59 PM	269153.48	54.3	269153.48	54.3	269153.48	645654.23
21:08:00	21:08:00	55.5	79.6	59.9	51.8	1:00 PM	354813.39	55.5	354813.39	55.5	354813.39	977327.22
21:09:00	21:09:00	53.6	78.9	57.7	51.5	1:01 PM	229086.77	53.6	229086.77	53.6	229086.77	588843.66
21:10:00	21:10:00	60.1	91.1	67	54	1:02 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	5011872.34
21:11:00	21:11:00	56.4	87.1	65.5	51.2	1:03 PM	436515.83	56.4	436515.83	56.4	436515.83	3548133.89
21:12:00	21:12:00	62.2	91.6	71.8	50.9	1:04 PM	1659586.91	62.2	1659586.91	62.2	1659586.91	15135612.48
21:13:00	21:13:00	62.5	77.3	63.3	61.9	1:05 PM	1778279.41	62.5	1778279.41	62.5	1778279.41	2137962.09
21:14:00	21:14:00	62.2	83.1	68.7	61.1	1:06 PM	1659586.91	62.2	1659586.91	62.2	1659586.91	7413102.41
21:15:00	21:15:00	68.4	90.1	74.3	51.4	1:07 PM	6918309.71	68.4	6918309.71	68.4	6918309.71	26915348.04
21:16:00	21:16:00	55	83.6	62.2	50.4	1:08 PM	316227.77	55	316227.77	55.0	316227.77	1659586.91
21:17:00	21:17:00	52.3	78.2	56.1	50.2	1:09 PM	169824.37	52.3	169824.37	52.3	169824.37	407380.28
21:18:00	21:18:00	53	71.6	56.6	49.9	1:10 PM	199526.23	53	199526.23	53.0	199526.23	457088.19
21:19:00	21:19:00	52.6	72.2	56.9	49.5	1:11 PM	181970.09	52.6	181970.09	52.6	181970.09	489778.82
21:20:00	21:20:00	51.8	68.9	56.1	49.6	1:12 PM	151356.12	51.8	151356.12	51.8	151356.12	407380.28
21:21:00	21:21:00	54.8	78.4	64	49.8	1:13 PM	301995.17	54.8	301995.17	54.8	301995.17	2511886.43
21:22:00	21:22:00	59.2	81.1	68.4	51.2	1:14 PM	831763.77	59.2	831763.77	59.2	831763.77	6918309.71
21:23:00	21:23:00	60.4	83.5	69.5	51.3	1:15 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	8912509.38
21:24:00	21:24:00	54.5	77.5	59.4	50.3	1:16 PM	281838.29	54.5	281838.29	54.5	281838.29	870963.59
21:25:00	21:25:00	53.8	76.7	61.2	50.6	1:17 PM	239883.29	53.8	239883.29	53.8	239883.29	1318256.74
21:26:00	21:26:00	52.3	67.4	55.9	49.4	1:18 PM	169824.37	52.3	169824.37	52.3	169824.37	389045.14
21:27:00	21:27:00	52.1	74.4	55.4	50	1:19 PM	162181.01	52.1	162181.01	52.1	162181.01	346736.85
21:28:00	21:28:00	52.8	79.7	59	49.9	1:20 PM	190546.07	52.8	190546.07	52.8	190546.07	794328.23
21:29:00	21:29:00	52.5	74.5	58.2	49.3	1:21 PM	177827.94	52.5	177827.94	52.5	177827.94	660693.45
21:30:00	21:30:00	56.9	79.8	63.5	51.2	1:22 PM	489778.82	56.9	489778.82	56.9	489778.82	2238721.14
21:31:00	21:31:00	53.1	75.5	56.6	49.7	1:23 PM	204173.79	53.1	204173.79	53.1	204173.79	457088.19
21:32:00	21:32:00	66.9	90.4	77.1	51.7	1:24 PM	4897788.19	66.9	4897788.19	66.9	4897788.19	51286138.40
21:33:00	21:33:00	59.7	86.9	64	52.1	1:25 PM	933254.30	59.7	933254.30	59.7	933254.30	2511886.43
21:34:00	21:34:00	57.1	79.9	62.4	50.2	1:26 PM	512861.38	57.1	512861.38	57.1	512861.38	1737800.83
21:35:00	21:35:00	61.1	81.5	68.5	51.7	1:27 PM	1288249.55	61.1	1288249.55	61.1	1288249.55	7079457.84
21:36:00	21:36:00	56.1	77.8	63.7	51.9	1:28 PM	407380.28	56.1	407380.28	56.1	407380.28	2344228.82
21:37:00	21:37:00	53.7	77.5	56.9	50.7	1:29 PM	234422.88	53.7	234422.88	53.7	234422.88	489778.82
21:38:00	21:38:00	53.7	72.2	58.6	50.3	1:30 PM	234422.88	53.7	234422.88	53.7	234422.88	724435.96
21:39:00	21:39:00	52.9	74.1	58.3	50.3	1:31 PM	194984.46	52.9	194984.46	52.9	194984.46	676082.98
21:40:00	21:40:00	54.1	80.5	60	50.4	1:32 PM	257039.58	54.1	257039.58	54.1	257039.58	1000000.00
21:41:00	21:41:00	52.7	73.6	56.3	49.8	1:33 PM	186208.71	52.7	186208.71	52.7	186208.71	426579.52
21:42:00	21:42:00	55.2	79.1	59.7	51	1:34 PM	331131.12	55.2	331131.12	55.2	331131.12	933254.30
21:43:00	21:43:00	57	79.5	66.3	51.6	1:35 PM	501187.23	57	501187.23	57.0	501187.23	4265795.19
21:44:00	21:44:00	53.1	77.5	59.7	50.5	1:36 PM	204173.79	53.1	204173.79	53.1	204173.79	933254.30
21:45:00	21:45:00	53	75.7	56.1	50.2	1:37 PM	199526.23	53	199526.23	53.0	199526.23	407380.28
21:46:00	21:46:00	53.2	71.5	57.3	50.5	1:38 PM	208929.61	53.2	208929.61	53.2	208929.61	537031.80
21:47:00	21:47:00	56.1	78.7	65.2	50.8	1:39 PM	407380.28	56.1	407380.28	56.1	407380.28	3311311.21
21:48:00	21:48:00	53.4	80.7	56.7	51	1:40 PM	218776.16	53.4	218776.16	53.4	218776.16	467735.14
21:49:00	21:49:00	55.3	79.4	61.6	52.2	1:41 PM	338844.16	55.3	338844.16	55.3	338844.16	1445439.77
21:50:00	21:50:00	55.1	78.7	61.3	51.4	1:42 PM	323593.66	55.1	323593.66	55.1	323593.66	1348962.88
21:51:00	21:51:00	53.8	76.4	59.1	50.5	1:43 PM	239883.29	53.8	239883.29	53.8	239883.29	812830.52
21:52:00	21:52:00	53.4	73.3	57.3	50.5	1:44 PM	218776.16	53.4	218776.16	53.4	218776.16	537031.80
21:53:00	21:53:00	54.1	76.7	57.7	51.5	1:45 PM	257039.58	54.1	257039.58	54.1	257039.58	588843.66
21:54:00	21:54:00	52.7	71.1	56.2	50	1:46 PM	186208.71	52.7	186208.71	52.7	186208.71	416869.38
21:55:00	21:55:00	55.1	78.7	62.9	51.8	1:47 PM	323593.66	55.1	323593.66	55.1	323593.66	194984.46
21:56:00	21:56:00	57.5	76.7	63.3	53.4	1:48 PM	562341.33	57.5	562341.33	57.5	562341.33	2137962.09
21:57:00	21:57:00	60.1	86.8	66.2	55.1	1:49 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	4168693.83
21:58:00	21:58:00	57.3	81.7	64.2	53.4	1:50 PM	537031.80	57.3	537031.80	57.3	537031.80	2630267.99
21:59:00	21:59:00	56.3	76.5	61	54	1:51 PM	426579.52	56.3	426579.52	56.3	426579.52	1258925.41
22:00:00	22:00:00	57.1	78.1	60.8	54.7	1:52 PM	512861.38	57.1	512861.38	57.1	512861.38	1202264.43
22:01:00	22:01:00	55.4	83.1	59.5	52	1:53 PM	346736.85	55.4	346736.85	55.4	346736.85	891250.94
22:02:00	22:02:00	67.9	100.9	82.1	51.7	1:54 PM	6165950.02	67.9	6165950.02	67.9	6165950.02	162181009.74
22:03:00	22:03:00	53.8	77.6	58.8	50.6	1:55 PM	239883.29	53.8	239883.29	53.8	239883.29	758577.58
22:04:00	22:04:00	54.2	77.1	58.3	50.8	1:56 PM	263026.80	54.2	263026.80	54.2	263026.80	676082.98
22:05:00	22:05:00	60.4	86.1	67	51.6	1:57 PM	1096478.20	60.4	1096478.20	60.4	1096478.20	5011872.34
22:06:00	22:06:00	68.5	90.8	76.1	51.8	1:58 PM	7079457.84	68.5	7079457.84	68.5	7079457.84	40738027.78
22:07:00	22:07:00	62.1	84.4	73.6	51.8	1:59 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	22908676.53
22:08:00	22:08:00	52.7	69	56.8	50.1	2:00 PM	186208.71	52.7	186208.71	52.7	186208.71	478630.09
22:09:00	22:09:00	53.3	79.8	56.5	49.9	2:01 PM	213796.21	53.3	213796.21	53.3	213796.21	446683.59
22:10:00	22:10:00	55.5	79.5	64.4	50.7	2:02 PM	354813.39	55.5	354813.39	55.5	354813.39	2754228.70
22:11:00	22:11:00	52.3	69.4	56.5	50.3	2:03 PM	169824.37	52.3	169824.37	52.3	169824.37	446683.59
22:12:00	22:12:00	53.4	71.9	57.8	50	2:04 PM	218776.16	53.4	218776.16	53.4	218776.16	602559.59
22:13:00	22:13:00	52.5	75	56.8	50.3	2:05 PM	177827.94	52.5	177827.94	52.5	177827.94	478630.09
22:14:00	22:14:00	52.8	70.6	56.7	49.9	2:06 PM	190546.07	52.8	190546.07	52.8	190546.07	467735.14
22:15:00	22:15:00	54.4	74.6	60.1	51.8	2:07 PM	275422.87	54.4	275422.87	54.4	275422.87	1023292.99
22:16:00	22:16:00	53	74.3	57.1	50.4	2:08 PM	19					

22:41:00	22:41:00	52.9	73.3	55.9	50.5	2:33 PM	194984.46	52.9	194984.46	52.9	194984.46	389045.14
22:42:00	22:42:00	52.9	76.6	56.1	49.9	2:34 PM	194984.46	52.9	194984.46	52.9	194984.46	407380.28
22:43:00	22:43:00	53.5	72	59.1	50.3	2:35 PM	223872.11	53.5	223872.11	53.5	223872.11	812830.52
22:44:00	22:44:00	62.1	94	70	51.4	2:36 PM	1621810.10	62.1	1621810.10	62.1	1621810.10	10000000.00
22:45:00	22:45:00	52.8	74.9	56.9	50.2	2:37 PM	190546.07	52.8	190546.07	52.8	190546.07	489778.82
22:46:00	22:46:00	55.2	80.9	64.3	49.7	2:38 PM	331131.12	55.2	331131.12	55.2	331131.12	2691534.80
22:47:00	22:47:00	53.1	72.1	56.2	49.9	2:39 PM	204173.79	53.1	204173.79	53.1	204173.79	416869.38
22:48:00	22:48:00	54.9	80.1	64.6	50.6	2:40 PM	309029.54	54.9	309029.54	54.9	309029.54	2884031.50
22:49:00	22:49:00	56.4	78.9	65.2	51.4	2:41 PM	436515.83	56.4	436515.83	56.4	436515.83	3311311.21
22:50:00	22:50:00	59.1	85.9	66.3	55.5	2:42 PM	812830.52	59.1	812830.52	59.1	812830.52	4265795.19
22:51:00	22:51:00	71.6	94.8	84.2	54	2:43 PM	14454397.71	71.6	14454397.71	71.6	14454397.71	263026799.19
22:52:00	22:52:00	78.2	103.4	92.7	56.3	2:44 PM	66069344.80	78.2	66069344.80	78.2	66069344.80	1862087136.66
22:53:00	22:53:00	54.7	78.3	63.3	50.3	2:45 PM	295120.92	54.7	295120.92	54.7	295120.92	2137962.09
22:54:00	22:54:00	54.8	79.9	62.5	50.2	2:46 PM	301995.17	54.8	301995.17	54.8	301995.17	1778279.41
22:55:00	22:55:00	53.9	81.5	62.4	51.3	2:47 PM	245470.89	53.9	245470.89	53.9	245470.89	1737800.83
22:56:00	22:56:00	53.5	73.8	60.3	50.1	2:48 PM	223872.11	53.5	223872.11	53.5	223872.11	1071519.31
22:57:00	22:57:00	54	70.7	59.7	51.9	2:49 PM	251188.64	54	251188.64	54.0	251188.64	933254.30
22:58:00	22:58:00	54.5	83.2	60.8	50.5	2:50 PM	281838.29	54.5	281838.29	54.5	281838.29	1202264.43
22:59:00	22:59:00	52.5	71.6	56.4	49.9	2:51 PM	177827.94	52.5	177827.94	52.5	177827.94	436515.83
23:00:00	23:00:00	53	74.9	57.1	49.9	2:52 PM	199526.23	53	199526.23	53.0	199526.23	512861.38
23:01:00	23:01:00	59.4	80.6	65.3	50.4	2:53 PM	870963.59	59.4	870963.59	59.4	870963.59	3388441.56
23:02:00	23:02:00	61	92.1	72.2	54.3	2:54 PM	1258925.41	61	1258925.41	61.0	1258925.41	16595869.07
23:03:00	23:03:00	55.3	74.7	59.5	53.4	2:55 PM	338844.16	55.3	338844.16	55.3	338844.16	891250.94
23:04:00	23:04:00	54.8	74.6	57.5	53.3	2:56 PM	301995.17	54.8	301995.17	54.8	301995.17	562341.33
23:05:00	23:05:00	57.1	80.2	66	53.3	2:57 PM	512861.38	57.1	512861.38	57.1	512861.38	3981071.71
23:06:00	23:06:00	55.6	73.6	58.3	53.5	2:58 PM	363078.05	55.6	363078.05	55.6	363078.05	676082.98
23:07:00	23:07:00	55.8	72.9	58.9	54.5	2:59 PM	380189.40	55.8	380189.40	55.8	380189.40	776247.12
23:08:00	23:08:00	59	81.7	68	54.8	3:00 PM	794328.23	59	794328.23	59.0	794328.23	6309573.44
23:09:00	23:09:00	56.2	78.8	58.5	54.8	3:01 PM	416869.38	56.2	416869.38	56.2	416869.38	707945.78
23:10:00	23:10:00	58.6	80.9	63.8	55.3	3:02 PM	724435.96	58.6	724435.96	58.6	724435.96	2398832.92
23:11:00	23:11:00	57.5	75.6	62.8	55.1	3:03 PM	562341.33	57.5	562341.33	57.5	562341.33	1905460.72
23:12:00	23:12:00	56.1	72.6	58.6	54.7	3:04 PM	407380.28	56.1	407380.28	56.1	407380.28	724435.96
23:13:00	23:13:00	56.1	77.5	58.9	53.3	3:05 PM	407380.28	56.1	407380.28	56.1	407380.28	776247.12
23:14:00	23:14:00	57.2	83.6	65.4	53	3:06 PM	524807.46	57.2	524807.46	57.2	524807.46	3467368.50
23:15:00	23:15:00	54.8	70.1	56.9	53.3	3:07 PM	301995.17	54.8	301995.17	54.8	301995.17	489778.82
23:16:00	23:16:00	60.1	88	70.2	51.4	3:08 PM	1023292.99	60.1	1023292.99	60.1	1023292.99	10471285.48
23:17:00	23:17:00	63.5	90.4	72.1	61.2	3:09 PM	2238721.14	63.5	2238721.14	63.5	2238721.14	16218100.97
23:18:00	23:18:00	62.8	81.2	68.2	61.7	3:10 PM	1905460.72	62.8	1905460.72	62.8	1905460.72	6606934.48
23:19:00	23:19:00	58.4	80.4	68.6	51.1	3:11 PM	691830.97	58.4	691830.97	58.4	691830.97	7244359.60
23:20:00	23:20:00	58.8	88.5	69.5	50.5	3:12 PM	758577.58	58.8	758577.58	58.8	758577.58	8912509.38
23:21:00	23:21:00	55.3	75.4	62.3	51.3	3:13 PM	338844.16	55.3	338844.16	55.3	338844.16	1698243.65
23:22:00	23:22:00	55.3	84.5	58.4	51.9	3:14 PM	338844.16	55.3	338844.16	55.3	338844.16	691830.97
23:23:00	23:23:00	61.6	87.2	67.4	54.8	3:15 PM	1445439.77	61.6	1445439.77	61.6	1445439.77	5495408.74
23:24:00	23:24:00	59.1	80.6	62.8	52.6	3:16 PM	812830.52	59.1	812830.52	59.1	812830.52	1905460.72
23:25:00	23:25:00	54.6	79.5	58.3	51.2	3:17 PM	288403.15	54.6	288403.15	54.6	288403.15	676082.98
23:26:00	23:26:00	57.3	86.8	67.5	52.4	3:18 PM	537031.80	57.3	537031.80	57.3	537031.80	5623413.25
23:27:00	23:27:00	58	80.5	62.4	53.3	3:19 PM	630957.34	58	630957.34	58.0	630957.34	1737800.83
23:28:00	23:28:00	56.2	79.2	64.5	51.7	3:20 PM	416869.38	56.2	416869.38	56.2	416869.38	2818382.92
23:29:00	23:29:00	59.6	80	65.2	53.9	3:21 PM	912010.84	59.6	912010.84	59.6	912010.84	3311311.21
23:30:00	23:30:00	53.5	72.8	58.1	50.6	3:22 PM	223872.11	53.5	223872.11	53.5	223872.11	645654.23
23:31:00	23:31:00	54.9	75.5	61	50.2	3:23 PM	309029.54	54.9	309029.54	54.9	309029.54	1258925.41
23:32:00	23:32:00	57.4	82	67.3	50.1	3:24 PM	549540.87	57.4	549540.87	57.4	549540.87	5370317.96
23:33:00	23:33:00	55.2	78.3	64	50.5	3:25 PM	331131.12	55.2	331131.12	55.2	331131.12	2511886.43
23:34:00	23:34:00	53.6	77	58.4	50.8	3:26 PM	229086.77	53.6	229086.77	53.6	229086.77	691830.97
23:35:00	23:35:00	53.9	73.4	59.7	50.4	3:27 PM	245470.89	53.9	245470.89	53.9	245470.89	933254.30
23:36:00	23:36:00	60.7	88.4	71.1	50.7	3:28 PM	1174897.55	60.7	1174897.55	60.7	1174897.55	12882495.52
23:37:00	23:37:00	56.4	78.1	59.4	53.4	3:29 PM	436515.83	56.4	436515.83	56.4	436515.83	870963.59
23:38:00	23:38:00	57.4	82.1	63.5	54.3	3:30 PM	549540.87	57.4	549540.87	57.4	549540.87	2238721.14
23:39:00	23:39:00	60.9	91.4	74.2	53.4	3:31 PM	1230268.77	60.9	1230268.77	60.9	1230268.77	26302679.92
23:40:00	23:40:00	62.7	92.3	70.2	56.1	3:32 PM	1862087.14	62.7	1862087.14	62.7	1862087.14	10471285.48
23:41:00	23:41:00	56.4	75.5	61.8	53.8	3:33 PM	436515.83	56.4	436515.83	56.4	436515.83	1513561.25
23:42:00	23:42:00	55.5	74.9	60.4	53.1	3:34 PM	354813.39	55.5	354813.39	55.5	354813.39	1096478.20
23:43:00	23:43:00	56	73	61.1	53.8	3:35 PM	398107.17	56	398107.17	56.0	398107.17	1288249.55
23:44:00	23:44:00	56.1	77.6	62.8	53.7	3:36 PM	407380.28	56.1	407380.28	56.1	407380.28	1905460.72
23:45:00	23:45:00	56.3	77.6	63.7	54	3:37 PM	426579.52	56.3	426579.52	56.3	426579.52	2344228.82
23:46:00	23:46:00	55.5	74.7	58	53.9	3:38 PM	354813.39	55.5	354813.39	55.5	354813.39	630957.34
23:47:00	23:47:00	55.9	75.2	59.1	53.4	3:39 PM	389045.14	55.9	389045.14	55.9	389045.14	812830.52
23:48:00	23:48:00	56.4	75.3	60.7	53.3	3:40 PM	436515.83	56.4	436515.83	56.4	436515.83	1174897.55
23:49:00	23:49:00	55.9	75.6	59.1	52.4	3:41 PM	389045.14	55.9	389045.14	55.9	389045.14	812830.52
23:50:00	23:50:00	54.8	75.7	62.7	51.5	3:42 PM	301995.17	54.8	301995.17	54.8	301995.17	1862087.14
23:51:00	23:51:00	56.1	80.1	65.6	50.6	3:43 PM	407380.28	56.1	407380.28	56.1	407380.28	3630780.55
23:52:00	23:52:00	55.1	76.7	61.1	51.3	3:44 PM	323593.66	55.1	323593.66	55.1	323593.66	1288249.55
23:53:00	23:53:00	53.6	75.5	57.3	50.4	3:45 PM	229086.77	53.6	229086.77	53.6	229086.77	537031.80
23:54:00	23:54:00	53.2	75.4	57.6	50.5	3:46 PM	208929.61	53.2	208929.61	53.2	208929.61	575439.94
23:55:00	23:55:00	54.1	74.9	60.2	50.8	3:47 PM	257039.58	54.1	257039.58	54.1	257039.58	1047128.55
23:56:00	23:56:00	55.2	77.7	63.3	50.1	3:48 PM	331131.12	55.2	331131.12	55.2	331131.12	2137962.09
23:57:00	23:57:00	52.9	70.1	57.1	50.1	3:49 PM	194984.46	52.9	194984.46	52.9	194984.46	512861.38
23:58:00	23:58:00	52.5	68.6	56.5	49.8	3:50 PM	177827.94	52.5	177827.94	52.5	177827.94	446683.59
23:59:00	23:59:00	53.2	73.5	57.6	50.3	3:51 PM	208929.61	53.2	208929.61	53.2	208929.61	575439.94
24:00:00	24:00:00	52.8	74.5	58.1	49.9	3:52 PM	190546.07	52.8	190546.07	52.8	190546.07	645654.23

## **APPENDIX D**

# **Project Noise Levels & Significance Determinations**

Gas Plant Modifications (CUP Site #2) - Reference Noise Levels (Construction)					
Equipment	L <sub>max</sub> @ 50-feet	Arithmetic SPL (10 <sup>(L<sub>max</sub>/10)</sup> )	Acoustical Use Factor (%)	L <sub>eq</sub> @ 50-feet	Arithmetic SPL (10 <sup>(L<sub>eq</sub>/10)</sup> )
Backhoe	80	100000000.0	40%	76	40000000.0
Concrete Saw	90	1000000000.0	20%	83	200000000.0
Crane	85	316227766.0	16%	77	50596442.6
Drum Mixer	80	100000000.0	50%	77	50000000.0
Welder / Torch	73	19952623.1	40%	69	7981049.3
Total Equipment L <sub>max</sub> @ 50-feet:		<b>91.9</b>		Total Equipment L <sub>eq</sub> @ 50-feet:	<b>85.4</b>

Gas Plant Modifications (CUP Site #2) - Reference Noise Levels (Operations)					
Equipment	L <sub>max</sub> @ 50-feet	Arithmetic SPL (10 <sup>(L<sub>max</sub>/10)</sup> )	Acoustical Use Factor (%)	L <sub>eq</sub> @ 50-feet	Arithmetic SPL (10 <sup>(L<sub>eq</sub>/10)</sup> )
Compressor (air)	80	100000000.0	40%	76	40000000.0
Generator	82	158489319.2	50%	79	79244659.6
Pumps	77	50118723.4	50%	74	25059361.7
Ventilation Fan	85	316227766.0	100%	75	31622776.6
Total Equipment L <sub>max</sub> @ 50-feet:		<b>88.0</b>		Total Equipment L <sub>eq</sub> @ 50-feet:	<b>82.5</b>

Drilling/Redrilling Operations - Reference Noise Levels										
Measurement Distance (feet)	Average (L <sub>eq</sub> )	Maximum (L <sub>max</sub> )	Minimum (L <sub>min</sub> )	Reference Distance (feet)	Average (L <sub>eq</sub> ) @ 50-feet	10 <sup>(L<sub>eq</sub>/10)</sup>	Maximum (L <sub>max</sub> ) @ 50-feet	10 <sup>(L<sub>max</sub>/10)</sup>	Minimum (L <sub>min</sub> ) @ 50-feet	10 <sup>(L<sub>min</sub>/10)</sup>
120	65	75	60	50	72.6	18214719.32	82.6	182147193.23	67.6	5760000.00
120	62	70	58	50	69.6	9128984.79	77.6	57600000.00	65.6	3634314.30
80	65	76	60	50	69.1	8095430.81	80.1	101915435.66	64.1	2560000.00
60	68	86	62	50	69.6	9085785.76	87.6	573274325.60	63.6	2282246.20
80	76	78	74	50	80.1	101915435.66	82.1	161525080.19	78.1	64304292.65
120	76	81	75	50	83.6	229309730.24	88.6	725141037.19	82.6	182147193.23
120	75	78	74	50	82.6	182147193.23	85.6	363431430.42	81.6	144684658.45
80	73	82	70	50	77.1	51078715.26	86.1	405732657.27	74.1	25600000.00
60	73	77	71	50	74.6	28731777.34	78.6	72170961.64	72.6	18128525.93
80	69	79	62	50	73.1	20334802.81	83.1	203348028.09	66.1	4057326.57
Average (L <sub>eq</sub> ) @ 50-feet:						78.2	Maximum (L <sub>max</sub> ) @ 50-feet:	84.5	Minimum (L <sub>min</sub> ) @ 50-feet:	76.6

Gas Plant Modifications (Temporary Construction) - Equipment Noise Levels @ Receptors								
CUP Site	Receptor	Receiver Type	Distance - Source to Receptor (feet)	Equipment Noise Levels @ Receptors (dBA)		Barrier Reduction (dBA)	Total Noise Levels @ Receptors (dBA)	
				Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>		Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>
CUP Site #2	R5	Commercial	445	66.4	72.9	-3	63.4	69.9
	R6	Commercial	745	62.0	68.4	0	62.0	68.4
	R7	Industrial	365	68.2	74.6	-8	60.2	66.6

Gas Plant Modifications (Permanent Operations) - Equipment Noise Levels @ Receptors								
CUP Site	Receptor	Receiver Type	Distance - Source to Receptor (feet)	Equipment Noise Levels @ Receptors (dBA)		Barrier Reduction (dBA)	Total Noise Levels @ Receptors (dBA)	
				Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>		Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>
CUP Site #2	R5	Commercial	445	63.5	69.0	-3	60.5	66.0
	R6	Commercial	745	59.0	64.5	0	59.0	64.5
	R7	Industrial	365	65.2	70.7	-8	57.2	62.7

Gas Plant Modifications (Temporary Construction) - Equipment Noise Levels @ Property Boundary							
CUP Site	Property Boundary	Distance - Source to Property Boundary (feet)	Equipment Noise Levels @ Receptors (dBA)		Barrier Reduction (dBA)	Total Noise Levels @ Receptors (dBA)	
			Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>		Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>
CUP Site #2	North	165	75.1	81.5	-8	67.1	73.5
	South	375	67.9	74.4	-3	64.9	71.4
	East	425	66.8	73.3	0	66.8	73.3
	West	105	79.0	85.4	-5	74.0	80.4

Gas Plant Modifications (Permanent Operations) - Equipment Noise Levels @ Property Boundary							
CUP Site	Property Boundary	Distance - Source to Property Boundary (feet)	Equipment Noise Levels @ Receptors (dBA)		Barrier Reduction (dBA)	Total Noise Levels @ Receptors (dBA)	
			Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>		Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>
CUP Site #2	North	165	72.1	77.6	-8	64.1	69.6
	South	375	65.0	70.5	-3	62.0	67.5
	East	425	63.9	69.4	0	63.9	69.4
	West	105	76.0	81.5	-5	71.0	76.5

Drilling/Redrilling - Equipment Noise Levels @ Receptors													
CUP Site	Receptor	Receiver Type	Distance - Source to Receptor (feet)			Uncontrolled Equipment Noise Levels @ Receptors (dBA)			Acoustical Blankets - Noise Reduction (dBA)	Barrier - Noise Reductions (dBA)	Controlled Equipment Noise Levels @ Receptors (dBA)		
			Receptor - CUP Boundary	Additional CUP Boundary Setbacks <sup>A</sup>	Total Distance	Minimum - L <sub>min</sub>	Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>			Minimum - L <sub>min</sub>	Average - L <sub>eq</sub>	Maximum - L <sub>max</sub>
CUP Site #1	R1	Residence	860	100	960	50.9	52.5	58.9	-9	-3	38.9	40.5	46.9
	R2	Commercial	80	100	180	65.4	67.1	73.4	-9	-3	53.4	55.1	61.4
	R3	Commercial	55	100	155	66.7	68.4	74.7	-9	-3	54.7	56.4	62.7
	R4	Commercial	80	100	180	65.4	67.1	73.4	-9	-3	53.4	55.1	61.4
CUP Site #2	R5	Commercial	350	50	400	58.5	60.1	66.5	-9	-3	46.5	48.1	54.5
	R6	Commercial	335	50	385	58.8	60.5	66.8	-9	0	49.8	51.5	57.8
	R7	Industrial	310	75	385	58.8	60.5	66.8	-9	-3	46.8	48.5	54.8
CUP Site #3	R8	Residence	655	50	705	53.6	55.2	61.6	-9	0	44.6	46.2	52.6
	R9	Commercial	960	50	1,010	50.5	52.1	58.4	-9	0	41.5	43.1	49.4
	R10	Commercial	445	50	495	56.6	58.3	64.6	-9	0	47.6	49.3	55.6
	R11	Commercial	250	50	300	61.0	62.6	69.0	-9	0	52.0	53.6	60.0
CUP Site #4	R12	Industrial	165	50	215	63.9	65.5	71.9	-9	0	54.9	56.5	62.9
	R13	Residence	500	50	550	55.7	57.4	63.7	-9	0	46.7	48.4	54.7
	R14	Commercial	30	100	130	68.3	69.9	76.2	-9	0	59.3	60.9	67.2
CUP Site #5	R15	Commercial	75	100	175	65.7	67.3	73.7	-9	0	56.7	58.3	64.7
	R16	Residence	95	75	170	65.9	67.6	73.9	-9	0	56.9	58.6	64.9
	R17	Residence	25	100	125	68.6	70.2	76.6	-9	-9	50.6	52.2	58.6
CUP Site #6	R18	Residence	475	50	525	56.1	57.8	64.1	-9	0	47.1	48.8	55.1
	R19	Residence	92	75	167	66.1	67.7	74.1	-9	0	57.1	58.7	65.1
	R20	Residence	285	75	360	59.4	61.0	67.4	-9	-3	47.4	49.0	55.4
CUP Site #7	R21	Commercial	35	100	135	67.9	69.6	75.9	-9	0	58.9	60.6	66.9
	R22	Commercial	82	50	132	68.1	69.8	76.1	-9	-3	56.1	57.8	64.1

**Footnotes:**

A - To accommodate the size the drill rig footprint, no drilling/redrilling would feasibly occur within 50-feet of any existing CUP boundary. Additionally, per Section 16.16.030 (Setbacks and Minimum Drill Site Dimensions) of the City of Signal Hill - Municipal Code, the following setbacks would apply to drilling/redrilling activities:

- 1) 50-feet to any adjacent interior property line not part of an oil and gas surface leasehold; 2) 100-feet from a non-oil-related building for human occupancy; and, 3) 75-feet from any public right-of-way shown on the city's official plan lines map, general plan, or any specific plan.

**Project Noise Levels Impact Determination**  
Proposed Natural Gas System Modifications - CUP Site #2

Gas System Modification - CNEL							
Project Activity / Noise Source	Receptor	Receptor Type	CNEL Exterior Noise Levels (dBA)				Significant?
			Baseline	Equipment	Total Project	Increase due to Project (dBA)	
Gas System Construction (temporary)	R5	Commercial	73.0	60.0	73.2	0.2	No
	R6	Commercial	73.0	58.6	73.2	0.2	No
	R7	Industrial	73.0	56.8	73.1	0.1	No
Gas System Operations (permanent)	R5	Commercial	73.0	67.1	74.0	1.0	No
	R6	Commercial	73.0	65.7	73.7	0.7	No
	R7	Industrial	73.0	63.9	73.5	0.5	No

Gas System Modification - Daytime & Nighttime (L <sub>eq</sub> )							
Project Activity / Noise Source	Receptor	Receptor Type	Baseline	Equipment	Total Project	Increase due to Project (dBA)	Significant?
Gas System Construction (temporary)			<b>Daytime (7:00 a.m. - 10:00 p.m.) Exterior L<sub>eq</sub> Noise Levels (dBA)</b>				
	R5	Commercial	66.7	63.4	68.4	1.7	No
	R6	Commercial	66.7	62.0	68.0	1.3	No
	R7	Industrial	66.7	60.2	67.6	0.9	No
			<b>Nighttime (10:00 p.m. - 7:00 a.m.) Exterior L<sub>eq</sub> Noise Levels (dBA)</b>				
	R5	Commercial	66.3	0.0	66.3	0.0	No
	R6	Commercial	66.3	0.0	66.3	0.0	No
	R7	Industrial	66.3	0.0	66.3	0.0	No
			<b>24-Hour Exterior L<sub>eq</sub> Noise Levels (dBA)</b>				
	R5	Commercial	66.5	63.4	68.3	1.7	No
	R6	Commercial	66.5	62.0	67.8	1.3	No
	R7	Industrial	66.5	60.2	67.4	0.9	No
Gas System Operations (permanent)			<b>Daytime (7:00 a.m. - 10:00 p.m.) Exterior L<sub>eq</sub> Noise Levels (dBA)</b>				
	R5	Commercial	66.7	60.5	67.6	0.9	No
	R6	Commercial	66.7	59.0	67.4	0.7	No
	R7	Industrial	66.7	57.2	67.2	0.5	No
			<b>Nighttime (10:00 p.m. - 7:00 a.m.) Exterior L<sub>eq</sub> Noise Levels (dBA)</b>				
	R5	Commercial	66.3	60.5	67.3	1.0	No
	R6	Commercial	66.3	59.0	67.0	0.7	No
	R7	Industrial	66.3	57.2	66.8	0.5	No
			<b>24-Hour Exterior L<sub>eq</sub> Noise Levels (dBA)</b>				
	R5	Commercial	66.5	60.5	67.5	1.0	No
	R6	Commercial	66.5	59.0	67.3	0.7	No
	R7	Industrial	66.5	57.2	67.0	0.5	No

## CNEL Noise Level Estimates

<b>Gas Plant Modifications (CUP Site #2) - Construction</b>	
Operating Hours	7:00 a.m. - 6:00 p.m.
Max Hours/Day	11 hours

<b>Construction Noise Level - Hourly (<math>L_{eq}</math>) Noise Level @ Receptors</b>			
Receptor	R5	R6	R7
Noise Level ( $L_{eq}$ ) @ Receptor	63.4	62.0	60.2

<b>CNEL Noise Level @ Receptors</b>						
Time/Hour	R5		R6		R7	
	Hourly $L_{eq}$ (dBA)	$L_{eq} 10^{(Leq/10)}$	Hourly $L_{eq}$ (dBA)	$L_{eq} 10^{(Leq/10)}$	Hourly $L_{eq}$ (dBA)	$L_{eq} 10^{(Leq/10)}$
12:00 AM	0.0	1.0	0.0	1.0	0.0	1.0
1:00 AM	0.0	1.0	0.0	1.0	0.0	1.0
2:00 AM	0.0	1.0	0.0	1.0	0.0	1.0
3:00 AM	0.0	1.0	0.0	1.0	0.0	1.0
4:00 AM	0.0	1.0	0.0	1.0	0.0	1.0
5:00 AM	0.0	1.0	0.0	1.0	0.0	1.0
6:00 AM	0.0	1.0	0.0	1.0	0.0	1.0
7:00 AM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
8:00 AM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
9:00 AM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
10:00 AM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
11:00 AM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
12:00 PM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
1:00 PM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
2:00 PM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
3:00 PM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
4:00 PM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
5:00 PM	63.4	2205562.3	62.0	1570098.2	60.2	1036701.2
6:00 PM	0.0	1.0	0.0	1.0	0.0	1.0
7:00 PM	0.0	1.0	0.0	1.0	0.0	1.0
8:00 PM	0.0	1.0	0.0	1.0	0.0	1.0
9:00 PM	0.0	1.0	0.0	1.0	0.0	1.0
10:00 PM	0.0	1.0	0.0	1.0	0.0	1.0
11:00 PM	0.0	1.0	0.0	1.0	0.0	1.0
<b>CNEL Noise Level:</b>	<b>60.0</b>		<b>58.6</b>		<b>56.8</b>	

## CNEL Noise Level Estimates

Gas Plant Modifications (CUP Site #2) - Operations	
Operating Hours	N/A
Max Hours/Day	24 hours

Operations Noise Level - Hourly (L <sub>eq</sub> ) Noise Level @ Receptors			
Receptor	R5	R6	R7
Noise Level (L <sub>eq</sub> ) @ Receptor	60.5	59.0	57.2

CNEL Noise Level @ Receptors						
Time/Hour	R5		R6		R7	
	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>
12:00 AM	70.5	11131456.3	69.0	7924273.6	67.2	5232223.4
1:00 AM	70.5	11131456.3	69.0	7924273.6	67.2	5232223.4
2:00 AM	70.5	11131456.3	69.0	7924273.6	67.2	5232223.4
3:00 AM	70.5	11131456.3	69.0	7924273.6	67.2	5232223.4
4:00 AM	70.5	11131456.3	69.0	7924273.6	67.2	5232223.4
5:00 AM	70.5	11131456.3	69.0	7924273.6	67.2	5232223.4
6:00 AM	70.5	11131456.3	69.0	7924273.6	67.2	5232223.4
7:00 AM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
8:00 AM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
9:00 AM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
10:00 AM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
11:00 AM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
12:00 PM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
1:00 PM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
2:00 PM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
3:00 PM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
4:00 PM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
5:00 PM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
6:00 PM	60.5	1113145.6	59.0	792427.4	57.2	523222.3
7:00 PM	65.5	3520075.6	64.0	2505875.3	62.2	1654574.3
8:00 PM	65.5	3520075.6	64.0	2505875.3	62.2	1654574.3
9:00 PM	65.5	3520075.6	64.0	2505875.3	62.2	1654574.3
10:00 PM	70.5	11131456.3	69.0	7924273.6	67.2	5232223.4
11:00 PM	70.5	11131456.3	69.0	7924273.6	67.2	5232223.4
<b>CNEL Noise Level:</b>	<b>67.1</b>		<b>65.7</b>		<b>63.9</b>	

## Project Noise Levels Impact Determination

Ongoing Drilling/Redrilling - CUP Sites #1 - #7

Drilling/Redrilling - CNEL								
Project Activity / Noise Source	CUP Site	Receptor	Receptor Type	CNEL Exterior Noise Levels (dBA)				Significant?
				Baseline	Equipment	Total Project	Increase due to Project (dBA)	
Drilling / Redrilling	CUP Site #1	R1	Residence	73.7	47.2	73.7	0.0	No
		R2	Commercial	73.7	61.7	74.0	0.3	No
		R3	Commercial	73.7	63.0	74.1	0.4	No
		R4	Commercial	73.7	61.7	74.0	0.3	No
	CUP Site #2	R5	Commercial	73.0	54.8	73.1	0.1	No
		R6	Commercial	73.0	58.1	73.1	0.1	No
		R7	Industrial	73.0	55.1	73.1	0.1	No
	CUP Site #3	R8	Residence	63.7	52.9	64.1	0.3	No
		R9	Commercial	63.7	49.7	63.9	0.2	No
		R10	Commercial	63.7	55.9	64.4	0.7	No
		R11	Commercial	63.7	60.3	65.4	1.6	No
	CUP Site #4	R12	Industrial	63.7	63.2	66.5	2.7	No
		R13	Residence	69.5	55.0	69.6	0.2	No
		R14	Commercial	69.5	67.6	71.6	2.2	No
	CUP Site #5	R15	Commercial	69.5	65.0	70.8	1.3	No
		R16	Residence	62.3	65.2	67.0	4.7	Yes
		R17	Residence	62.3	58.9	63.9	1.6	No
	CUP Site #6	R18	Residence	62.3	55.4	63.1	0.8	No
		R19	Residence	61.7	65.4	66.9	5.2	Yes
		R20	Residence	61.7	55.7	62.7	1.0	No
	CUP Site #7	R21	Commercial	61.7	67.2	68.3	6.6	Yes
		R22	Commercial	63.5	64.4	67.0	3.5	Yes

## Project Noise Levels Impact Determination

Ongoing Drilling/Redrilling - CUP Sites #1 - #7

Drilling/Redrilling - Daytime (L <sub>eq</sub> )								
Project Activity / Noise Source	CUP Site	Receptor	Receptor Type	Daytime (7:00 a.m. - 10:00 p.m.) Exterior L <sub>eq</sub> Noise Levels (dBA)				Significant?
				Baseline	Equipment	Total Project	Increase due to Project (dBA)	
Drilling / Redrilling	CUP Site #1	R1	Residence	74.4	40.5	74.4	0.0	No
		R2	Commercial	74.4	55.1	74.4	0.1	No
		R3	Commercial	74.4	56.4	74.4	0.1	No
		R4	Commercial	74.4	55.1	74.4	0.1	No
	CUP Site #2	R5	Commercial	66.7	48.1	66.8	0.1	No
		R6	Commercial	66.7	51.5	66.9	0.1	No
		R7	Industrial	66.7	48.5	66.8	0.1	No
	CUP Site #3	R8	Residence	58.5	46.2	58.7	0.2	No
		R9	Commercial	58.5	43.1	58.6	0.1	No
		R10	Commercial	58.5	49.3	59.0	0.5	No
		R11	Commercial	58.5	53.6	59.7	1.2	No
	CUP Site #4	R12	Industrial	58.5	56.5	60.6	2.1	No
		R13	Residence	69.3	48.4	69.3	0.0	No
		R14	Commercial	69.3	60.9	69.9	0.6	No
	CUP Site #5	R15	Commercial	69.3	58.3	69.6	0.3	No
		R16	Residence	57.8	58.6	61.2	3.4	Yes
		R17	Residence	57.8	52.2	58.9	1.1	No
	CUP Site #6	R18	Residence	57.8	48.8	58.4	0.5	No
		R19	Residence	59.8	58.7	62.3	2.5	No
		R20	Residence	59.8	49.0	60.2	0.3	No
		R21	Commercial	59.8	60.6	63.2	3.4	Yes
	CUP Site #7	R22	Commercial	57.8	57.8	60.8	3.0	Yes

## Project Noise Levels Impact Determination

Ongoing Drilling/Redrilling - CUP Sites #1 - #7

Drilling/Redrilling - Nighttime (L <sub>eq</sub> )								
Project Activity / Noise Source	CUP Site	Receptor	Receptor Type	Nighttime (10:00 p.m. - 7:00 a.m.) Exterior L <sub>eq</sub> Noise Levels (dBA)				Significant?
				Baseline	Equipment	Total Project	Increase due to Project (dBA)	
Drilling / Redrilling	CUP Site #1	R1	Residence	61.9	40.5	62.0	0.0	No
		R2	Commercial	61.9	55.1	62.7	0.8	No
		R3	Commercial	61.9	56.4	63.0	1.1	No
		R4	Commercial	61.9	55.1	62.7	0.8	No
	CUP Site #2	R5	Commercial	66.3	48.1	66.4	0.1	No
		R6	Commercial	66.3	51.5	66.4	0.1	No
		R7	Industrial	66.3	48.5	66.4	0.1	No
	CUP Site #3	R8	Residence	56.8	46.2	57.1	0.4	No
		R9	Commercial	56.8	43.1	56.9	0.2	No
		R10	Commercial	56.8	49.3	57.5	0.7	No
		R11	Commercial	56.8	53.6	58.5	1.7	No
	CUP Site #4	R12	Industrial	56.8	56.5	59.6	2.9	No
		R13	Residence	59.5	48.4	59.8	0.3	No
		R14	Commercial	59.5	60.9	63.3	3.8	No
	CUP Site #5	R15	Commercial	59.5	58.3	62.0	2.5	No
		R16	Residence	55.1	58.6	60.2	5.1	Yes
		R17	Residence	55.1	52.2	56.9	1.8	No
	CUP Site #6	R18	Residence	55.1	48.8	56.0	0.9	No
		R19	Residence	52.5	58.7	59.6	7.2	Yes
		R20	Residence	52.5	49.0	54.1	1.6	No
		R21	Commercial	52.5	60.6	61.2	8.7	Yes
	CUP Site #7	R22	Commercial	56.8	57.8	60.3	3.5	Yes

## Project Noise Levels Impact Determination

Ongoing Drilling/Redrilling - CUP Sites #1 - #7

Drilling/Redrilling - 24-Hours ( $L_{eq}$ )								
Project Activity / Noise Source	CUP Site	Receptor	Receptor Type	24-Hour Exterior $L_{eq}$ Noise Levels (dBA)				Significant?
				Baseline	Equipment	Total Project	Increase due to Project (dBA)	
Drilling / Redrilling	CUP Site #1	R1	Residence	72.4	40.5	72.4	0.0	No
		R2	Commercial	72.4	55.1	72.5	0.1	No
		R3	Commercial	72.4	56.4	72.5	0.1	No
		R4	Commercial	72.4	55.1	72.5	0.1	No
	CUP Site #2	R5	Commercial	66.5	48.1	66.6	0.1	No
		R6	Commercial	66.5	51.5	66.7	0.1	No
		R7	Industrial	66.5	48.5	66.6	0.1	No
	CUP Site #3	R8	Residence	57.9	46.2	58.2	0.3	No
		R9	Commercial	57.9	43.1	58.0	0.1	No
		R10	Commercial	57.9	49.3	58.5	0.6	No
		R11	Commercial	57.9	53.6	59.3	1.4	No
	CUP Site #4	R12	Industrial	57.9	56.5	60.3	2.4	No
		R13	Residence	67.5	48.4	67.6	0.1	No
		R14	Commercial	67.5	60.9	68.4	0.9	No
	CUP Site #5	R15	Commercial	67.5	58.3	68.0	0.5	No
		R16	Residence	57.0	58.6	60.9	<b>3.8</b>	<b>Yes</b>
		R17	Residence	57.0	52.2	58.3	1.2	No
		R18	Residence	57.0	48.8	57.6	0.6	No
	CUP Site #6	R19	Residence	58.2	58.7	61.5	<b>3.3</b>	<b>Yes</b>
		R20	Residence	58.2	49.0	58.7	0.5	No
		R21	Commercial	58.2	60.6	62.5	<b>4.3</b>	<b>Yes</b>
	CUP Site #7	R22	Commercial	57.5	57.8	60.6	<b>3.1</b>	<b>Yes</b>

## Mitigation - Required Setbacks

Required Distance Attenuation @ Affected Receptors

Affected Receptor	Current Setback (feet)	Minimum Required Noise Reduction (dBA)
R16	170	1.7
R19	125	4.2
R21	135	5.7
R22	132	0.5

Setback/Distance Reductions - Receptor R16			
Distance (feet)	Equipment Noise (dBA)	Reduction (dBA)	Sufficient?
170	58.6	0.0	No
180	58.1	-0.5	No
190	57.6	-1.0	No
200	57.1	-1.4	No
210	56.7	-1.8	Yes
220	56.3	-2.2	Yes
230	55.9	-2.6	Yes

Setback/Distance Reductions - Receptor R21			
Distance (feet)	Equipment Noise (dBA)	Reduction (dBA)	Sufficient?
135	60.6	0.0	No
145	59.9	-0.6	No
155	59.4	-1.2	No
165	58.8	-1.7	No
175	58.3	-2.3	No
185	57.8	-2.7	No
195	57.4	-3.2	No
205	56.9	-3.6	No
215	56.5	-4.0	No
225	56.1	-4.4	No
235	55.7	-4.8	No
245	55.4	-5.2	No
255	55.0	-5.5	No
265	54.7	-5.9	Yes
275	54.4	-6.2	Yes
285	54.1	-6.5	Yes

Setback/Distance Reductions - Receptor R19			
Distance (feet)	Equipment Noise (dBA)	Reduction (dBA)	Sufficient?
125	52.2	0.0	No
135	51.6	-0.7	No
145	50.9	-1.3	No
155	50.4	-1.9	No
165	49.8	-2.4	No
175	49.3	-2.9	No
185	48.8	-3.4	No
195	48.4	-3.9	No
205	47.9	-4.3	Yes
215	47.5	-4.7	Yes
225	47.1	-5.1	Yes

Setback/Distance Reductions - Receptor R22			
Distance (feet)	Equipment Noise (dBA)	Reduction (dBA)	Sufficient?
132	57.8	0.0	No
142	57.1	-0.6	Yes
152	56.5	-1.2	Yes
162	56.0	-1.8	Yes

**Drilling / Redrilling Operations**

CNEL Noise Level Estimates

Drilling / Redrilling Operations Parameters	
Operating Hours	N/A
Max Hours/Day	24 hours

Drilling /Redrilling Noise Level - Hourly (L <sub>eq</sub> ) Noise Level @ Receptors																		
Receptor	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17	R18
Noise Level (L <sub>eq</sub> ) @ Receptor	40.5	55.1	56.4	55.1	48.1	51.5	48.5	46.2	43.1	49.3	53.6	56.5	48.4	60.9	58.3	58.6	52.2	48.8

CNEL Noise Level @ Receptors																		
Time/Hour	R1		R2		R3		R4		R5		R6		R7		R8		R9	
	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>
12:00 AM	50.5	112629.3	65.1	3203679.0	66.4	4320466.1	65.1	3203679.0	58.1	648745.0	61.5	1397244.9	58.5	700281.3	56.2	416692.6	53.1	203025.8
1:00 AM	50.5	112629.3	65.1	3203679.0	66.4	4320466.1	65.1	3203679.0	58.1	648745.0	61.5	1397244.9	58.5	700281.3	56.2	416692.6	53.1	203025.8
2:00 AM	50.5	112629.3	65.1	3203679.0	66.4	4320466.1	65.1	3203679.0	58.1	648745.0	61.5	1397244.9	58.5	700281.3	56.2	416692.6	53.1	203025.8
3:00 AM	50.5	112629.3	65.1	3203679.0	66.4	4320466.1	65.1	3203679.0	58.1	648745.0	61.5	1397244.9	58.5	700281.3	56.2	416692.6	53.1	203025.8
4:00 AM	50.5	112629.3	65.1	3203679.0	66.4	4320466.1	65.1	3203679.0	58.1	648745.0	61.5	1397244.9	58.5	700281.3	56.2	416692.6	53.1	203025.8
5:00 AM	50.5	112629.3	65.1	3203679.0	66.4	4320466.1	65.1	3203679.0	58.1	648745.0	61.5	1397244.9	58.5	700281.3	56.2	416692.6	53.1	203025.8
6:00 AM	50.5	112629.3	65.1	3203679.0	66.4	4320466.1	65.1	3203679.0	58.1	648745.0	61.5	1397244.9	58.5	700281.3	56.2	416692.6	53.1	203025.8
7:00 AM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
8:00 AM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
9:00 AM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
10:00 AM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
11:00 AM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
12:00 PM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
1:00 PM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
2:00 PM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
3:00 PM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
4:00 PM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
5:00 PM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
6:00 PM	40.5	11262.9	55.1	320367.9	56.4	432046.6	55.1	320367.9	48.1	64874.5	51.5	139724.5	48.5	70028.1	46.2	41669.3	43.1	20302.6
7:00 PM	45.5	35616.5	60.1	1013092.2	61.4	1366251.4	60.1	1013092.2	53.1	205151.2	56.5	441847.6	53.5	221448.4	51.2	131769.8	48.1	64202.4
8:00 PM	45.5	35616.5	60.1	1013092.2	61.4	1366251.4	60.1	1013092.2	53.1	205151.2	56.5	441847.6	53.5	221448.4	51.2	131769.8	48.1	64202.4
9:00 PM	45.5	35616.5	60.1	1013092.2	61.4	1366251.4	60.1	1013092.2	53.1	205151.2	56.5	441847.6	53.5	221448.4	51.2	131769.8	48.1	64202.4
10:00 PM	50.5	112629.3	65.1	3203679.0	66.4	4320466.1	65.1	3203679.0	58.1	648745.0	61.5	1397244.9	58.5	700281.3	56.2	416692.6	53.1	203025.8
11:00 PM	50.5	112629.3	65.1	3203679.0	66.4	4320466.1	65.1	3203679.0	58.1	648745.0	61.5	1397244.9	58.5	700281.3	56.2	416692.6	53.1	203025.8
<b>CNEL Noise Level:</b>	<b>47.2</b>		<b>61.7</b>		<b>63.0</b>		<b>61.7</b>		<b>54.8</b>		<b>58.1</b>		<b>55.1</b>		<b>52.9</b>		<b>49.7</b>	

R19	R20	R21	R22
58.7	49.0	60.6	57.8

R10		R11		R12		R13		R14		R15		R16		R17		R18		R19	
Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>	Hourly L <sub>eq</sub> (dBA)	L <sub>eq</sub> 10 <sup>(Leq/10)</sup>
59.3	845246.9	63.6	2301184.8	66.5	4480403.0	58.4	684650.0	70.9	12254830.2	68.3	6762665.5	68.6	7166319.4	62.2	1668683.5	58.8	751407.3	68.7	7426104.6
59.3	845246.9	63.6	2301184.8	66.5	4480403.0	58.4	684650.0	70.9	12254830.2	68.3	6762665.5	68.6	7166319.4	62.2	1668683.5	58.8	751407.3	68.7	7426104.6
59.3	845246.9	63.6	2301184.8	66.5	4480403.0	58.4	684650.0	70.9	12254830.2	68.3	6762665.5	68.6	7166319.4	62.2	1668683.5	58.8	751407.3	68.7	7426104.6
59.3	845246.9	63.6	2301184.8	66.5	4480403.0	58.4	684650.0	70.9	12254830.2	68.3	6762665.5	68.6	7166319.4	62.2	1668683.5	58.8	751407.3	68.7	7426104.6
59.3	845246.9	63.6	2301184.8	66.5	4480403.0	58.4	684650.0	70.9	12254830.2	68.3	6762665.5	68.6	7166319.4	62.2	1668683.5	58.8	751407.3	68.7	7426104.6
59.3	845246.9	63.6	2301184.8	66.5	4480403.0	58.4	684650.0	70.9	12254830.2	68.3	6762665.5	68.6	7166319.4	62.2	1668683.5	58.8	751407.3	68.7	7426104.6
59.3	845246.9	63.6	2301184.8	66.5	4480403.0	58.4	684650.0	70.9	12254830.2	68.3	6762665.5	68.6	7166319.4	62.2	1668683.5	58.8	751407.3	68.7	7426104.6
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
49.3	84524.7	53.6	230118.5	56.5	448040.3	48.4	68465.0	60.9	1225483.0	58.3	676266.5	58.6	716631.9	52.2	166868.4	48.8	75140.7	58.7	742610.5
54.3	267290.5	58.6	727698.5	61.5	1416827.8	53.4	216505.3	65.9	3875317.6	63.3	2138542.6	63.6	2266189.2	57.2	527684.1	53.8	237615.8	63.7	2348340.5
54.3	267290.5	58.6	727698.5	61.5	1416827.8	53.4	216505.3	65.9	3875317.6	63.3	2138542.6	63.6	2266189.2	57.2	527684.1	53.8	237615.8	63.7	2348340.5
54.3	267290.5	58.6	727698.5	61.5	1416827.8	53.4	216505.3	65.9	3875317.6	63.3	2138542.6	63.6	2266189.2	57.2	527684.1	53.8	237615.8	63.7	2348340.5
59.3	845246.9	63.6	2301184.8	66.5	4480403.0	58.4	684650.0	70.9	12254830.2	68.3	6762665.5	68.6	7166319.4	62.2	1668683.5	58.8	751407.3	68.7	7426104.6
59.3	845246.9	63.6	2301184.8	66.5	4480403.0	58.4	684650.0	70.9	12254830.2	68.3	6762665.5	68.6	7166319.4	62.2	1668683.5	58.8	751407.3	68.7	7426104.6
<b>55.9</b>		<b>60.3</b>		<b>63.2</b>		<b>55.0</b>		<b>67.6</b>		<b>65.0</b>		<b>65.2</b>		<b>58.9</b>		<b>55.4</b>		<b>65.4</b>	

R20		R21		R22	
Hourly $L_{eq}$ (dBA)	$L_{eq} 10^{(Leq/10)}$	Hourly $L_{eq}$ (dBA)	$L_{eq} 10^{(Leq/10)}$	Hourly $L_{eq}$ (dBA)	$L_{eq} 10^{(Leq/10)}$
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
49.0	80092.0	60.6	1136387.5	57.8	595725.4
54.0	253273.1	65.6	3593572.9	62.8	1883849.2
54.0	253273.1	65.6	3593572.9	62.8	1883849.2
54.0	253273.1	65.6	3593572.9	62.8	1883849.2
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
59.0	800919.7	70.6	11363875.4	67.8	5957254.3
<b>55.7</b>		<b>67.2</b>		<b>64.4</b>	

## **APPENDIX E**

# **Project Vibration Levels & Significance Determinations**

Equipment Reference Vibration Source		
Equipment	Reference Distance (feet)	PPV (in/sec)
Large Bulldozer	25	0.089
Caisson Drilling	25	0.089

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA, 2018) / *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020)

Note: A "large Bulldozer" and/or "Caisson Drilling" represents the largest, most powerful vibration sources operating onsite (per FTA/Caltrans guidance).

Therefore these are used to calculate worst-case vibration levels to nearby receptors.

Human Responses to Transient Vibration (Caltrans)	
PPV (in/sec)	Human Response
2	Severe
0.9	Strongly Perceptible
0.24	Distinctly Perceptible
0.035	Barely Perceptible

Source: *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020)

Project Vibration Levels @ Receptors							
CUP Site	Receptor	Receiver Type	Distance (feet) <sup>B</sup>	Predicted Vibration PPV @ Receiver (in/sec) <sup>A</sup>	Applicable Caltrans PPV Threshold (in/sec)	Significant?	Predicted Human Response @ Receptor
CUP Site #1	R1	Residence	960	0.002	> 0.035	No	Barely Perceptible
	R2	Commercial	180	0.010	> 0.035	No	Barely Perceptible
	R3	Commercial	155	0.012	> 0.035	No	Barely Perceptible
	R4	Commercial	180	0.010	> 0.035	No	Barely Perceptible
CUP Site #2	R5	Commercial	400	0.004	> 0.035	No	Barely Perceptible
	R6	Commercial	385	0.004	> 0.035	No	Barely Perceptible
	R7	Industrial	385	0.004	> 0.035	No	Barely Perceptible
CUP Site #3	R8	Residence	705	0.002	> 0.035	No	Barely Perceptible
	R9	Commercial	1,010	0.002	> 0.035	No	Barely Perceptible
	R10	Commercial	495	0.003	> 0.035	No	Barely Perceptible
	R11	Commercial	300	0.006	> 0.035	No	Barely Perceptible
CUP Site #4	R12	Industrial	215	0.008	> 0.035	No	Barely Perceptible
	R13	Residence	550	0.003	> 0.035	No	Barely Perceptible
	R14	Commercial	130	0.015	> 0.035	No	Barely Perceptible
CUP Site #5	R15	Commercial	175	0.010	> 0.035	No	Barely Perceptible
	R16	Residence	170	0.011	> 0.035	No	Barely Perceptible
	R17	Residence	125	0.015	> 0.035	No	Barely Perceptible
CUP Site #6	R18	Residence	525	0.003	> 0.035	No	Barely Perceptible
	R19	Residence	167	0.011	> 0.035	No	Barely Perceptible
	R20	Residence	360	0.005	> 0.035	No	Barely Perceptible
CUP Site #6	R21	Commercial	135	0.014	> 0.035	No	Barely Perceptible
	R22	Commercial	132	0.014	> 0.035	No	Barely Perceptible

Footnotes:

A -  $PPV_{equipment} = PPV_{ref} (25/D)^n$ ,  $PPV_{ref}$  = reference PPV @ 25-feet. D = distance from equipment to the receiver in feet. n = 1.1 (the value related to the attenuation rate through ground).

Source is the Caltrans *Transportation and Construction Vibration Guidance Manual* (2020).

B - Distances estimated using Google Earth™. Represents closest distance between active equipment operations/drilling and the receptor. See the figures in Appendix A for additional detail.

Per Section 16.16.030 (Setbacks and Minimum Drill Site Dimensions) of the City of Signal Hill - Municipal Code, the following setbacks would apply to drilling/redrilling activities:

- 1) 50-feet to any adjacent interior property line not part of an oil and gas surface leasehold; 2) 100-feet from a non-oil-related building for human occupancy; and,
- 3) 75-feet from any public right-of-way shown on the city's official plan lines map, general plan, or any specific plan.

## **APPENDIX F**

### **Noise Control References**

Gas Well Drilling Noise Study - Measured Effectiveness of Acoustical Panels (Behrens & Associates, Inc. - 2006)													
Measurement Distance from Drilling Rig (feet)	Drilling Sound Level - Without Acoustical Panels (dBA)						Drilling Sound Level - With Acoustical Panels (dBA)						
	Measured Low	Normalized to 50 feet	$L_{eq} 10^{(Leq/10)}$	High	Normalized to 50-feet	$L_{eq} 10^{(Leq/10)}$	Low	Normalized to 50-feet	$L_{eq} 10^{(Leq/10)}$	High	Normalized to 50-feet	$L_{eq} 10^{(Leq/10)}$	
100	76	82.0	159242868.2	80	86.0	400000000.0	68	74.0	25238293.8	71	77.0	50357016.5	
200	72	84.0	253582910.8	77	89.0	801899573.8	64	76.0	40190182.9	68	80.0	100953175.1	
300	67	82.6	180427404.1	73	88.6	718294433.4	59	74.6	28595816.5	62	77.6	57056154.9	
400	64	82.1	160760731.6	70	88.1	640000000.0	55	73.1	20238577.0	59	77.1	50837007.0	
500	61	81.0	125892541.2	66	86.0	398107170.6	53	73.0	19952623.1	56	76.0	39810717.1	
Average Measured Noise Levels @ 50-Feet:			<b>82.5</b>	dBA		<b>87.7</b>	dBA		<b>74.3</b>	dBA		<b>77.8</b>	dBA

Measurement Metric	Without Acoustic Barrier	With Acoustic Barrier	Reduction (dBA)
Low	82.5	74.3	8.2
High	87.7	77.8	10.0
Average Reduction (dBA):			9.1

Sounds Transmission Loss (dB)		
% Octave Band Center Frequency	STC 25 Transmission Loss	
	Decibel (dB)	$10^{(Leq/10)}$
63 Hz	8	6.3
80 Hz	10	10.0
100 Hz	11	12.6
125 Hz	10	10.0
160 Hz	7	5.0
200 Hz	7	5.0
250 Hz	11	12.6
315 Hz	17	50.1
400 Hz	23	199.5
500 Hz	28	631.0
630 Hz	33	1995.3
800 Hz	36	3981.1
1000 Hz	39	7943.3
1250 Hz	41	12589.3
1600 Hz	41	12589.3
2000 Hz	40	10000.0
2500 Hz	41	12589.3
3150 Hz	44	25118.9
4000 Hz	46	39810.7
5000 Hz	50	100000.0
Average Transmission Loss:		<b>40.6</b>
Estimate Decibel Reduction (dBA):		<b>20.3</b>



## 4.0 DRILLING NOISE MITIGATION

### 4.1 Draw Works Brake Noise Mitigation

The mechanical brakes of the draw works on some drilling rigs produce an intermittent, high level "screech" noise when in operation, especially when the rig is in the drilling mode. The brake noise narrow frequency band or "pure tone" is typically identified as the most problematic noise source generated by a drilling rig due to the clear audibility of the noise up to 1,000 feet from the rig. The brake noise is especially problematic during the nighttime, when other background noise levels become lower. The brake noise can produce undesirable noise impacts similar to that of vehicle back-up alarm systems.

The control and mitigation of mechanical brake noise on typical drilling rigs can be accomplished with the installation of a three-part noise control system. To control sound build-up within the drum housing of the draw works, a sound absorbing anechoic liner should be installed. The sound absorbing liner should have a minimum sound absorption rating of NR .85 and should be installed on a minimum of 50% of the surface area within the drum enclosure. To reduce and/or eliminate sound transmission from the metal drum housing, an acoustical damping shroud constructed of a composite sound barrier and absorbing system should be installed. The shroud should be designed to cover as much of the drum enclosure as possible, including the open cable travel area. To block line-of-sight sound transmission from the cable travel opening, a removable acoustical barrier panel with a minimum height of 18 inches is required. The barrier is recommended to be fabricated of a clear acoustical vinyl with a sound transmission loss rating of an STC-26.

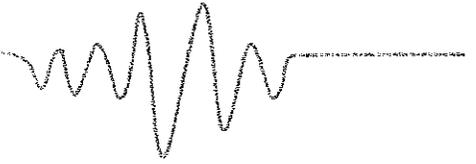
A brake noise control system constructed with the above specifications was fabricated and tested on the Pioneer 55 drilling rig while drilling on the Dale Operating Company Duckhead well site. Photographs of the brake sound control system are shown in Attachment H. Peak brake sound levels before and after the installation of the brake noise control system were measured during typical drilling operations. The results of the measured sound levels were as follows:

<u>Measurement</u> <u>Distance in Feet</u> <u>(From the Draw Works)</u>	<u>Peak Brake Sound</u> <u>Level in dBA</u> <u>Before Mitigation</u>	<u>Peak Brake Sound</u> <u>Level in dBA</u> <u>After Mitigation</u>
10	102-105	88-92
100	76-80	70-74
200	72-77	65-70
300	67-73	61-65
400	64-70	56-60
500	61-66	53-56

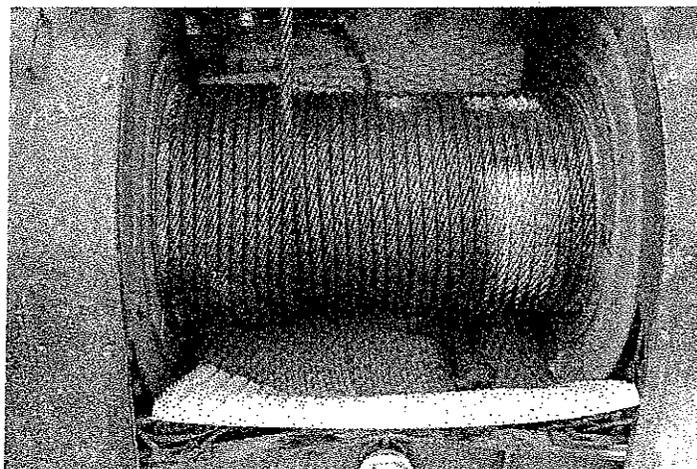
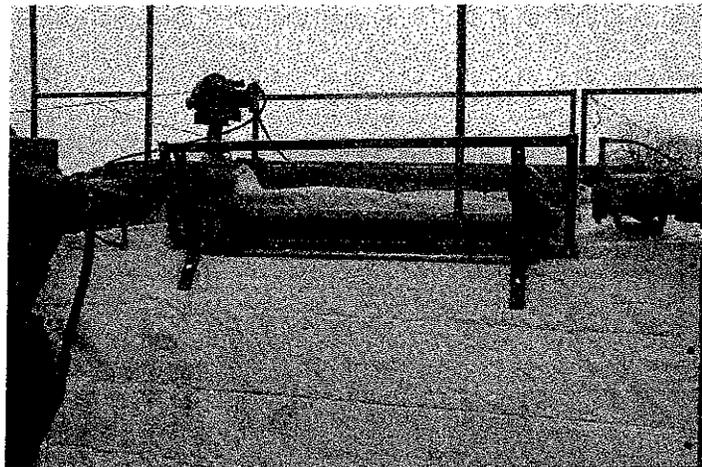
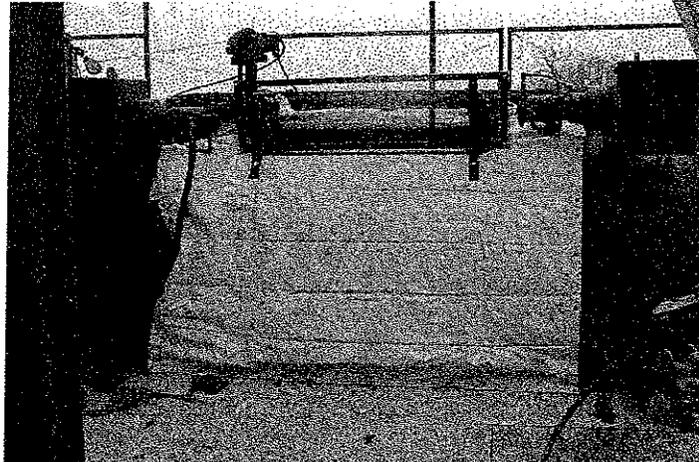
In summary, the installation of a draw works brake sound control system can reduce the peak brake noise levels 13 to 17 dBA at the rig floor and 7 dBA at 200 feet. The brake noise becomes inaudible at 300 feet.

# **Behrens and Associates, Inc.**

*Acoustics, Noise and Vibration Consultants*



## **Pioneer Rig 55 Draw Works Brake Sound Mitigation System**



**ATTACHMENT H**



# ENVIRONMENTAL NOISE CONTROL

## ACOUSTICAL K-RAIL / JERSEY BARRIER MOUNTED SOUND WALL

ENC's K-Rail/Jersey barrier mounted sound walls allow for **quick** and **easy** positioning and movement throughout the site to provide a flexible noise control solution for mobile equipment or operations. The K-Rail/Jersey mounted barrier panels can be **customized** to meet your needs, with heights from 8-16 feet. This product line is an effective solution if the site does not allow earth boring.



### BARRIER BLANKET SPECIFICATIONS

- Sound Transmission Class rated STC-25, 32 in accordance with ASTM E-413
- Engineered to meet IBC Wind Load requirements
- Flame Retardant to California Fire Marshall F-419.01 Specifications  
Length of Char: 3.5, After Flame: 2 Seconds
- Working Temperature: -40 °F to +200 °F
- Oil resistant, UV resistant, Fiber-Free, Anti-Fungal, Self-Drying Poly-Vinyl Chloride Outer Shell with specially developed inner core septum barrier

**FREESTANDING ACOUSTICAL PANELS ARE NOT INTENDED FOR USE IN HIGH WIND CONDITIONS WITHOUT A SUPPORTING STRUCTURAL ANALYSIS**

### TEMPORARY ACOUSTICAL NOISE BARRIER SYSTEMS

Designed to provide optimum sound control in blocking and absorbing unwanted noise.

#### ENVIRONMENTAL



#### ENTERTAINMENT



#### CONSTRUCTION



#### INDUSTRIAL



#### OIL & GAS



Learn more about commercial noise control at  
[www.environmental-noise-control.com](http://www.environmental-noise-control.com) or call us at 1-800-679-8633

# TEMPORARY NOISE BARRIER PANEL SYSTEM

At the heart of our temporary sound wall is our Environmental Noise Control (ENC) acoustical noise barrier panel system, which is manufactured using state-of-the-art acoustical composite materials. Our sound panels are fabricated with a polyvinyl-chloride coated outer shell, multiple layers of noise absorbing and blocking material and feature a specially developed septum barrier inner core. The ENC temporary sound wall system is available from 6 to 40 ft. high.

## Temporary Sound Panel Systems



**FREE STANDING**

**AUGERED STRUCTURE**

### Sound Transmission Loss (dB)

% Octave Band Center Frequency	STC 25 Transmission Loss	STC 32 Transmission Loss
63 Hz	8 dB	16 dB
80 Hz	10 dB	20 dB
100 Hz	11 dB	18 dB
125 Hz	10 dB	16 dB
160 Hz	7 dB	16 dB
200 Hz	7 dB	17 dB
250 Hz	11 dB	19 dB
315 Hz	17 dB	23 dB
400 Hz	23 dB	26 dB
500 Hz	28 dB	32 dB
630 Hz	33 dB	34 dB
800 Hz	36 dB	35 dB
1000 Hz	39 dB	35 dB
1250 Hz	41 dB	36 dB
1600 Hz	41 dB	36 dB
2000 Hz	40 dB	36 dB
2500 Hz	41 dB	37 dB
3150 Hz	44 dB	39 dB
4000 Hz	46 dB	40 dB
5000 Hz	50 dB	43 dB

**The modular design of ENC's temporary sound panel systems meets or exceeds code requirements.**

An independent acoustical laboratory has conducted tests in accordance with ASTM E-90 and ASTM E-413 requirements, to measure sound transmission loss and validating the Sound Transmission Class rating of STC-25, STC-32 and STC-43. The ENC composite barrier/absorber blankets, which are laboratory tested and certified, meet or exceed the specifications in the Sound Transmission Loss Data Table.

**1 (800) 679 8633 | International +1 310 679 8633 | [www.environmental-noise-control.com](http://www.environmental-noise-control.com)**

**CORPORATE OFFICE**  
Hawthorne, CA

**REGIONAL OFFICES & FIELD OPERATIONS**  
Aledo, TX; Carson, CA; Firestone, CO  
Napa, CA; Shreveport, LA; Washington, PA  
Calgary, Alberta

For more information on our quality products or possible applications, please see our website or call to speak with one of our ENC representatives. Rapid engineering and deployment response is available worldwide.

**Behrens & Associates, Inc.**  
*Environmental Noise Control*



**ENVIRONMENTAL NOISE CONTROL**



1



2



3



4

Photo Date(s): 04/13/2022

**EXISTING PERIMETER BARRIERS**

- View 1: View from within CUP Site #1, showing existing perimeter block wall (approximately 8-feet high) which surrounds the site on all sides.
- View 2: View from E. Spring Street looking northwest toward CUP Site #2, showing the existing perimeter block wall (approximately 6-feet high) which surrounds the site on the west and south sides.
- View 3: View from within CUP Site #3, showing existing perimeter block wall (approximately 5- to 6-feet high) which surrounds the site on all sides.
- View 4: View from within CUP Site #4, showing existing perimeter block wall (approximately 5-feet high) which surrounds the site on all sides. CUP Site #4 is behind the large Home Depot center.



FIGURE	CUP SITES - EXISTING PERIMETER		
	Signal Hill Petroleum, Inc. 2633 Cherry Avenue Signal Hill, California 90755		
PROJECT #:	210509.0416	DATE:	5/20/22
SCALE:	See Above	DRAWN BY:	GPS



1



2



3



4

Photo Date(s): 04/13/2022

**EXISTING PERIMETER BARRIERS**

- View 1: View from within CUP Site #5, showing existing composite panel wall (approximately 15- to 17-feet high) which extends along the eastern perimeter of CUP Site #5.
- View 2: Photo of an example temporary acoustical barrier currently deployed at CUP Site #5, similar to the barrier's SHP would use during drilling/redrilling operations.
- View 3: View from 20th Street looking southwest toward CUP Site #6, showing the existing perimeter block wall (approximately 6- to 8-feet high) which surrounds the site on all sides.
- View 4: View from E. Grant Street looking south toward CUP Site #7, showing the existing perimeter block wall (approximately 6- to 8-feet high) which surrounds the site on all sides.



FIGURE	CUP SITES - EXISTING PERIMETER		
	Signal Hill Petroleum, Inc. 2633 Cherry Avenue Signal Hill, California 90755		
PROJECT #:	210509.0416	DATE:	5/20/22
SCALE:	See Above	DRAWN BY:	GPS



1



2



3



4

**EXISTING NATURAL GAS PROCESSING PLANT & POWER TURBINE BUILDING**

View 1: View from within CUP Site #2, showing existing low temperature separation unit ("LTS")/membrane unit. The redundant system would be the same dimensions/height.  
 View 2: Second view from within CUP Site #2, showing existing low temperature separation unit ("LTS")/membrane unit. The redundant system would be the same dimensions/height.  
 View 3: View from within CUP Site #2, where the modified gas system would be installed, looking south toward the three-story field office/power turbine building.  
 View 4: View from E. Spring Street looking northwest toward CUP Site #2, showing the existing perimeter block wall (approximately 6-feet high) which surrounds the site on the west and south sides.

Photo Date(s): 04/13/2022



FIGURE	CUP SITE #2 - EXISTING PHYSICAL		
	Signal Hill Petroleum, Inc. 2633 Cherry Avenue Signal Hill, California 90755		
PROJECT #:	210509.0416	DATE:	5/20/22
SCALE:	See Above	DRAWN BY:	GPS