January 28, 2019

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VIA EMAIL
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Subject: Noise and Vibration Analysis for the Proposed Queen of the Valley Hospital Specific Plan Project in the City of West Covina, California

Dear Mr. Chang,

This Letter Report presents the results of the noise and vibration analysis for the proposed Queen of the Valley Hospital Specific Plan (QVHSP) Project located at 1135 South Sunset Avenue in the City of West Covina, California (hereinafter referred to as the "Project"). This analysis addresses the potential noise impacts associated with the Project in accordance with the California Environmental Quality Act (CEQA) (*California Public Resources Code* §21000 et seq.) and the State CEQA Guidelines (*California Code of Regulations*, Title 14, §15000 et seq.).

PROJECT SETTING AND DESCRIPTION

The Queen of the Valley Hospital Specific Plan (QVHSP) Project site occupies 28.8 acres and is located at 1135 South Sunset Avenue in the City of West Covina. A "specific plan" is a customized regulatory document established in order to provide a flexible means of implementing a General Plan. It provides more focused guidance and regulations and details the permitted uses of specific areas. The proposed Queen of the Valley Hospital Specific Plan (QVHSP) would govern the future development of the entire hospital campus. The Queen of the Valley Hospital (QVH) currently occupies 1.09 million square feet of buildings, and it is anticipated to expand up to approximately 1.58 million square feet (plus 490,000 square feet) in approximately five phases over at least the next ten years (2019 – 2028+). The Immediate Improvements phase is the most immediate phase planned by the hospital and is referred to in the master plan documents as "make ready". This phase is the demolition of four existing buildings totaling 20,000 square feet: Building A, Building B, and the two Marion Oakwood Rooms. The 3-acre former Sunset Field Park property would be converted to surface parking and provide 500 parking spaces in the northeast corner of the Project site. During Phase 1A, the second floor of the main hospital building, which is currently closed, would be reconstructed (approximately 15,000 square feet) and reutilized for patient rooms. A new Emergency Room/Department would be constructed with 10,000 square feet of space to be demolished but 33,000 square feet of new building area added to accommodate an expansion from 27 to 60 beds. The Intensive Care Unit would also be reconstructed and expanded to add 33,000 square feet of new building area. These improvements would add approximately 77 patient beds to the current total of 325 beds. Phase 1B would focus on the construction of a new Medical Office Building (MOB) and Ambulatory Surgery Center (ASC) with 90,000 square feet northeast of the existing main building. A new multi-story parking structure with 500 spaces would be built northwest of the existing main building. Minor signage and monumentation changes would be installed to address the new building

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and uses. During Phase 2, a new five- to six-story tall Medical Tower with 304 additional patient beds and 132,000 additional square feet would be constructed adjacent to the existing main building. During the Long Range Improvements Phase, a 90,000-square-foot MOB would be constructed, and a 132,000-square-foot hospital building may be constructed. Additionally, a second multi-story parking structure would also be added on the north side of the property adjacent to the City's Orangewood Park.

NOISE ANALYSIS

Relevant elements of the proposed Project related to the analysis of potential noise impacts include: (1) Project construction activities which would be staged in five phases: Immediate Improvements (2019), Phase 1A (2020-2022), Phase 1B (2020-2022), Phase 2 (2022-2026), and Long Range Improvements (2028+); and (2) noise generated during the operations phase of the Project, which would include noise sources such as stationary sources (e.g., mechanical equipment, landscape maintenance equipment) and (3) the vehicle trips generated by the proposed Project. This Letter Report provides discussions of noise and vibration relative to the regulatory and environmental setting, and the anticipated Project impacts.

NOISE AND VIBRATION BASICS AND TERMINOLOGY

Noise

"Sound" is a vibratory disturbance created by a moving or vibrating source and is capable of being detected. "Noise" is defined as sound that is loud, unpleasant, unexpected, or undesired and may therefore be classified as a more specific group of sounds. The effects of noise on people can include general annoyance; interference with speech communication; sleep disturbance; and, in the extreme, hearing impairment (Caltrans 2013).

Sound pressure levels are described in units called the decibel (dB). Decibels are measured on a logarithmic scale. A doubling of the energy of a noise source (such as doubling of traffic volume) would increase the noise level by 3 dB. The human ear is not equally sensitive to all frequencies within the sound spectrum. To accommodate this phenomenon, the A-scale was devised; the A-weighted decibel scale (dBA) approximates the frequency response of the average healthy ear when listening to most ordinary everyday sounds and is used in this analysis.

Human perception of noise has no simple correlation with acoustical energy. Due to subjective thresholds of tolerance, the annoyance of a given noise source is perceived very differently from person to person. The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at 3 feet is approximately 60 dBA, while loud jet engine noises at 1,000 feet equate to 100 dBA, which can cause serious discomfort. Table 1 shows the relationship of various noise levels in dBA to commonly experienced noise events.

TABLE 1
NOISE LEVELS FOR COMMON EVENTS

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	110	Rock Band
Jet fly-over at 300 m (1,000 ft)	100	
Gas lawn mower at 1 m (3 ft)	90	
Diesel truck at 15 m (50 ft) at 80 km/hr (50 mph)	80	Food blender at 1 m (3 ft); garbage disposal at 1 m (3 ft)
Noisy urban area, daytime gas lawn mower at 30 m (100 ft)	70	Vacuum cleaner at 3 m (10 ft)
Commercial area, heavy traffic at 90 m (300 ft)	60	Normal speech at 1 m (3 ft)
Quiet urban daytime	50	Large business office, dishwasher in next room
Quiet urban nighttime	40	Theater, large conference room (background)
Quiet suburban nighttime	30	Library
Quiet rural nighttime	20	Bedroom at night, concert hall (background)
	10	Broadcast/recording studio
Lowest threshold of human hearing	0	Lowest threshold of human hearing
dBA: A-weighted decibels; m: meter; ft: feet; km/hr: kilometers per hour; mph: miles per hour Source: Caltrans 2013.		

Two noise sources do not "sound twice as loud" as one source. As stated above, a doubling of noise sources results in a noise level increase of 3 dBA. It is widely accepted that (1) the average healthy ear can barely perceive changes of a 3 dBA increase or decrease, (2) a change of 5 dBA is readily perceptible, and (3) an increase (decrease) of 10 dBA sounds twice (half) as loud (Caltrans 2013).

From the source to the receiver, noise changes both in the level and frequency spectrum. The most obvious change is the decrease in noise level as the distance from the source increases. Sound from a small localized source (approximating a "point" source) radiates uniformly outward as it travels away from the source in a spherical pattern. For point sources, such as heating, ventilation, and air conditioning (HVAC) units or construction equipment, the sound level attenuates (or drops off) at a rate of 6 dBA for each doubling of distance (i.e., if the noise level is 70 dBA at 25 feet, it is 64 dBA at 50 feet). Vehicle movement on a road makes the source of the sound appear to emanate from a line (line source) rather than a point when viewed over some time interval. The sound level attenuates or drops off at a rate of 3 dBA per doubling of distance for line sources.

A large object in the path between a noise source and a receiver can significantly attenuate noise levels at that receiver location. The amount of attenuation provided by this "shielding" depends on the size of the object and the frequencies of the noise levels. Natural terrain or landform features as well as man-made features (e.g., buildings and walls) can significantly alter noise exposure levels. For a noise barrier to work, it must be high enough and long enough to block the view from the receiver to a road or to the noise source. Effective noise barriers can reduce outdoor noise levels at the receptor by up to 15 dBA.

Several rating scales (or noise "metrics") exist to analyze effects of noise on a community. These scales include the equivalent noise level (L_{eq}), including L_{max} and L_{min}, which are respectively the highest and lowest A-weighted sound levels that occur ding a noise event, and the Community Noise Equivalent Level (CNEL). Average noise levels over a period of minutes or hours are usually expressed as dBA L_{eq}, which is the equivalent noise level for that period of time. The period of time averaging may be specified;

for example, $L_{eq(3)}$ would be a three-hour average. Noise of short duration (i.e., substantially less than the averaging period) is averaged into ambient noise during the period of interest. Thus, a loud noise lasting many seconds or a few minutes may have minimal effect on the measured sound level averaged over a one-hour period.

To evaluate community noise impacts, CNEL was developed to account for human sensitivity to nighttime noise. CNEL represents the 24-hour average sound level with a penalty for noise occurring at night. The CNEL computation divides a 24-hour day into 3 periods: daytime (7:00 AM to 7:00 PM), evening (7:00 PM to 10:00 PM), and nighttime (10:00 PM to 7:00 AM). The evening sound levels are assigned a 5-dBA penalty, and the nighttime sound levels are assigned a 10-dBA penalty prior to averaging with daytime hourly sound levels.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration is normally associated with activities such as railroads or vibration-intensive stationary sources, but can also be associated with construction equipment such as jackhammers, pile drivers, and hydraulic hammers. Vibration displacement is the distance that a point on a surface moves away from its original static position. The instantaneous speed that a point on a surface moves is described as the velocity, and the rate of change of the speed is described as the acceleration. Each of these descriptors can be used to correlate vibration to human response, building damage, and acceptable equipment vibration levels. During construction of a project, the operation of construction equipment can cause groundborne vibration. During the operational phase of a project, receptors may be subject to levels of vibration that can cause annoyance due to noise generated from vibration of a structure or items within a structure. Analysis of this type of vibration is best measured in velocity and acceleration.

The three main wave types of concern in the propagation of groundborne vibrations are surface or Rayleigh waves, compression or P-waves, and shear or S-waves.

- Surface or Rayleigh waves travel along the ground surface. They carry most of their energy along an expanding cylindrical wave front, similar to the ripples produced by throwing a rock into a lake. The particle motion is more or less perpendicular to the direction of propagation (known as retrograde elliptical).
- Compression or P-waves are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal, in a push-pull motion. P-waves are analogous to airborne sound waves.
- Shear or S-waves are also body waves, carrying their energy along an expanding spherical wave front. Unlike P-waves, however, the particle motion is transverse, or perpendicular to the direction of propagation.

The peak particle velocity (ppv) or the root mean square (rms) velocity is usually used to describe vibration amplitudes. The ppv is defined as the maximum instantaneous peak of the vibration signal and the rms is defined as the square root of the average of the squared amplitude of the signal. The ppv is more appropriate for evaluating potential building damage and also used fora evaluating human response.

The units for ppv velocity are normally inches per second (in/sec). Often, vibration is presented and discussed in dB units in order to compress the range of numbers required to describe the vibration. In this study, all ppv velocity levels are in in/sec and all vibration levels are in dB relative to one microinch per second. The threshold of perception is approximately 0.3 ppv. Typically, groundborne vibration generated

by human activities attenuates rapidly with distance from the source of the vibration. Even the more persistent Rayleigh waves decrease relatively quickly as they move away from the source of the vibration. Manmade vibration problems are, therefore, usually confined to short distances (500 feet or less) from the source.

Construction generally includes a wide range of activities that can generate groundborne vibration. In general, blasting and demolition of structures generate the highest vibrations. Heavy trucks can also generate groundborne vibrations, which vary depending on vehicle type, weight, and pavement conditions. Potholes, pavement joints, discontinuities, differential settlement of pavement, and other anomalies all increase the vibration levels from vehicles passing over a road surface. Construction vibration is normally of greater concern than vibration of normal traffic on streets and freeways with smooth pavement conditions. Trains generate substantial quantities of vibration due to their engines, steel wheels, and heavy loads.

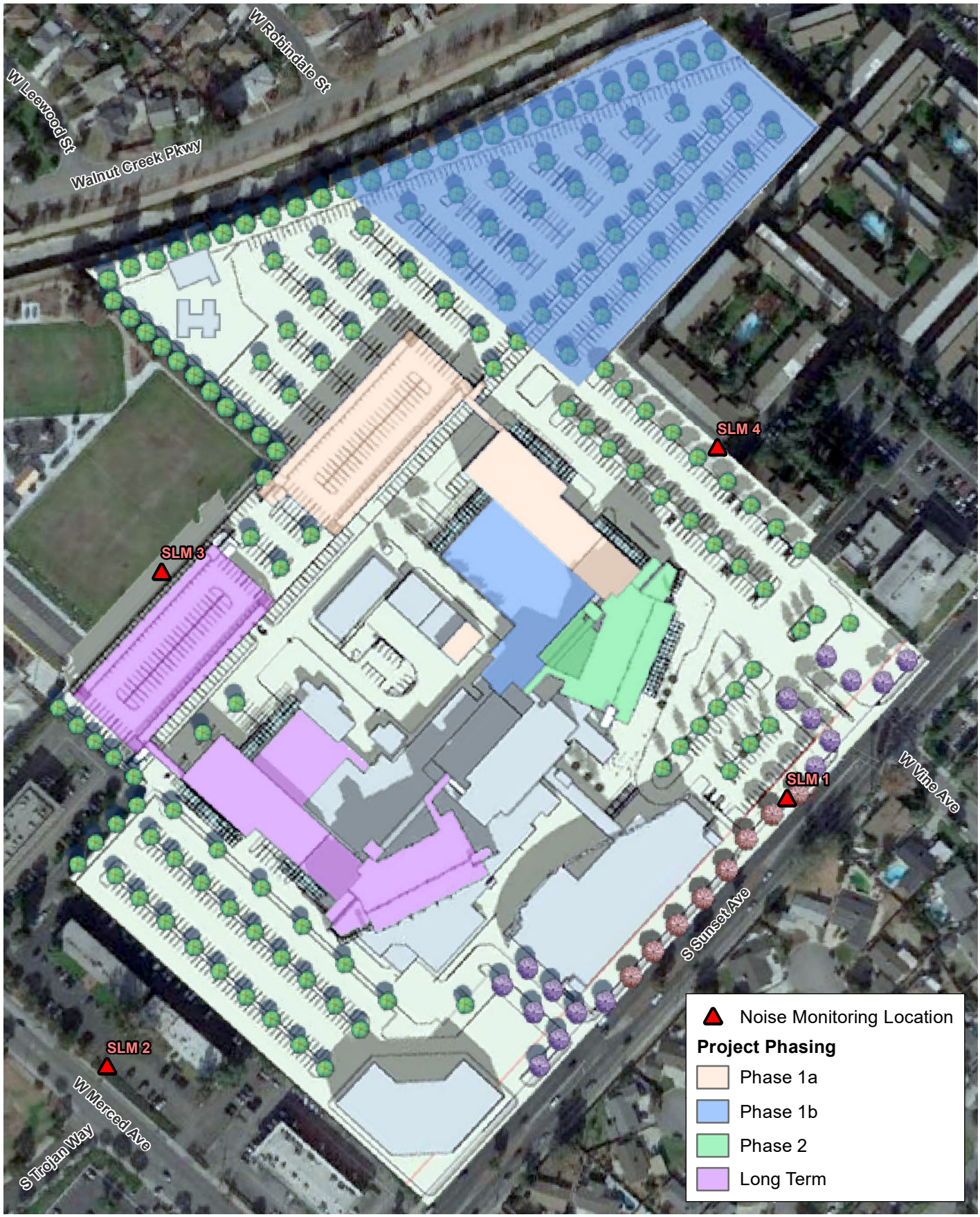
EXISTING CONDITIONS

Noise Sources and Noise Levels. The existing noise environment in the Project area is influenced by traffic noise on nearby roads. The Project site is located at the intersection of South Sunset Avenue and West Merced Avenue. South Sunset Avenue is a roadway that runs northeast/southwest with two lanes in each direction. Current traffic volumes are estimated to be approximately 24,000 trips per day. West Merced Avenue runs northwest/southeast with two lanes in each direction. Current traffic volumes are estimated to be approximately 14,000 trips per day. For the purpose of this noise analysis, the study area includes the Project site; the areas immediately adjacent to the Project site; and the land uses adjacent to the roadway segments where the Project adds vehicular trips to the roadway system.

Psomas conducted ambient noise surveys on December 11 and 12, 2018, for the Project. Noise level measurements were taken using a Larson Davis Laboratories SoundTrack LxT sound level meter (LD LxT) and a Larson Davis Laboratories Model 831 integrating sound level meter (LD 831). These sound level meters were placed at each of the Project's property lines as shown in Exhibit 1. The LD LxT and LD 831 meters were calibrated before and after use with a Larson Davis Model CAL200 acoustical calibrator to ensure that the measurements would be accurate. The sound level meters were programmed to record noise levels in "slow" mode in A-weighted form. Meteorological conditions during all measurement periods were favorable, with clear skies.

The noise level measurements were collected for 24 hours at each location. The energy average (L_{eq}), maximum noise level (L_{max}), and minimum noise level (L_{min}) values taken at each ambient noise measurement location are presented in Figures 1 through 4 for the respective noise monitoring locations.

Noise Monitoring Location 1 recorded noise levels along South Sunset Avenue. Noise levels were measured at this location to characterize traffic noise levels. As shown in Figure 1, average daytime noise levels at Location 1 range from 58 to 71 dBA L_{eq}. The 24-hour weighted noise level at this location is 70 dBA CNEL. The measured noise levels are representative of a busy roadway arterial.



Noise Monitoring Locations

Exhibit 1

Queen of the Valley Hospital Specific Plan EIR

N W E S

200 100 0 200 Feet

PSOMAS

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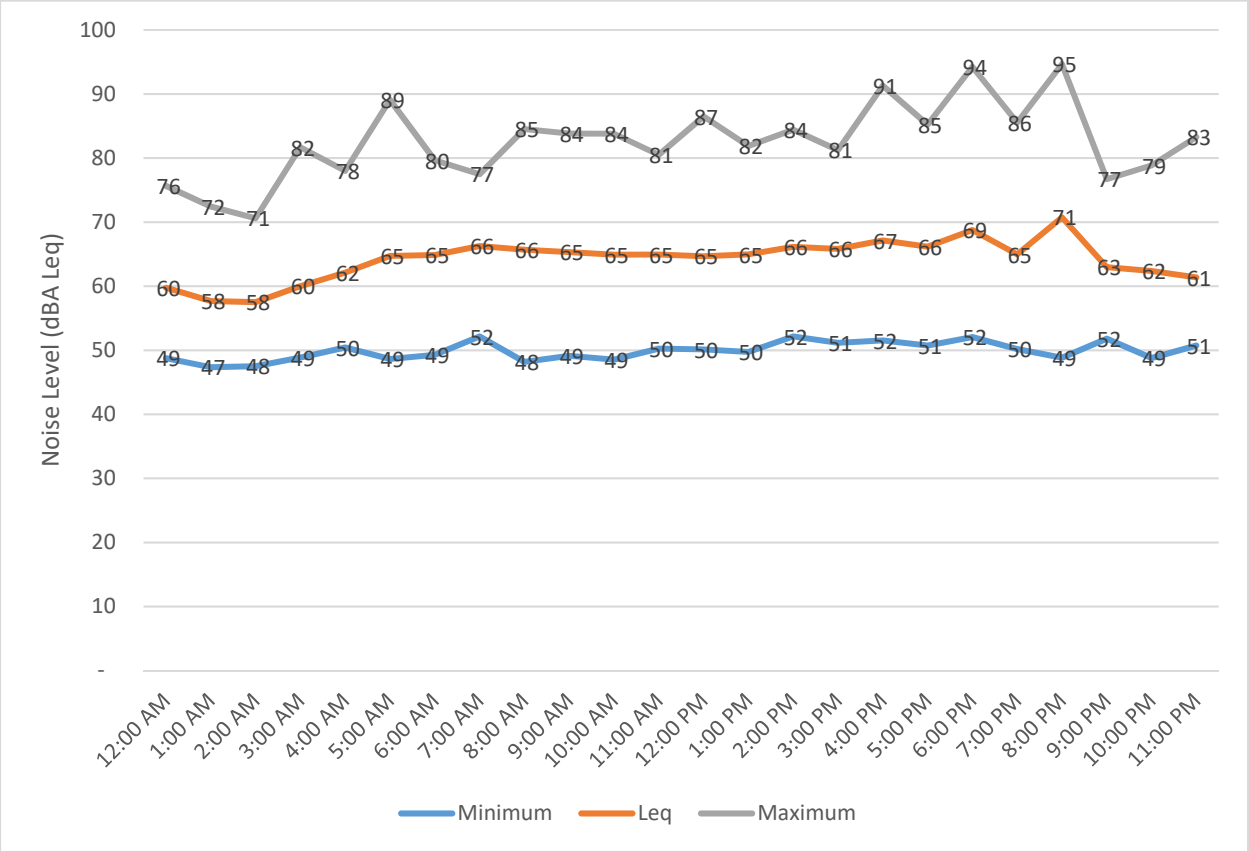
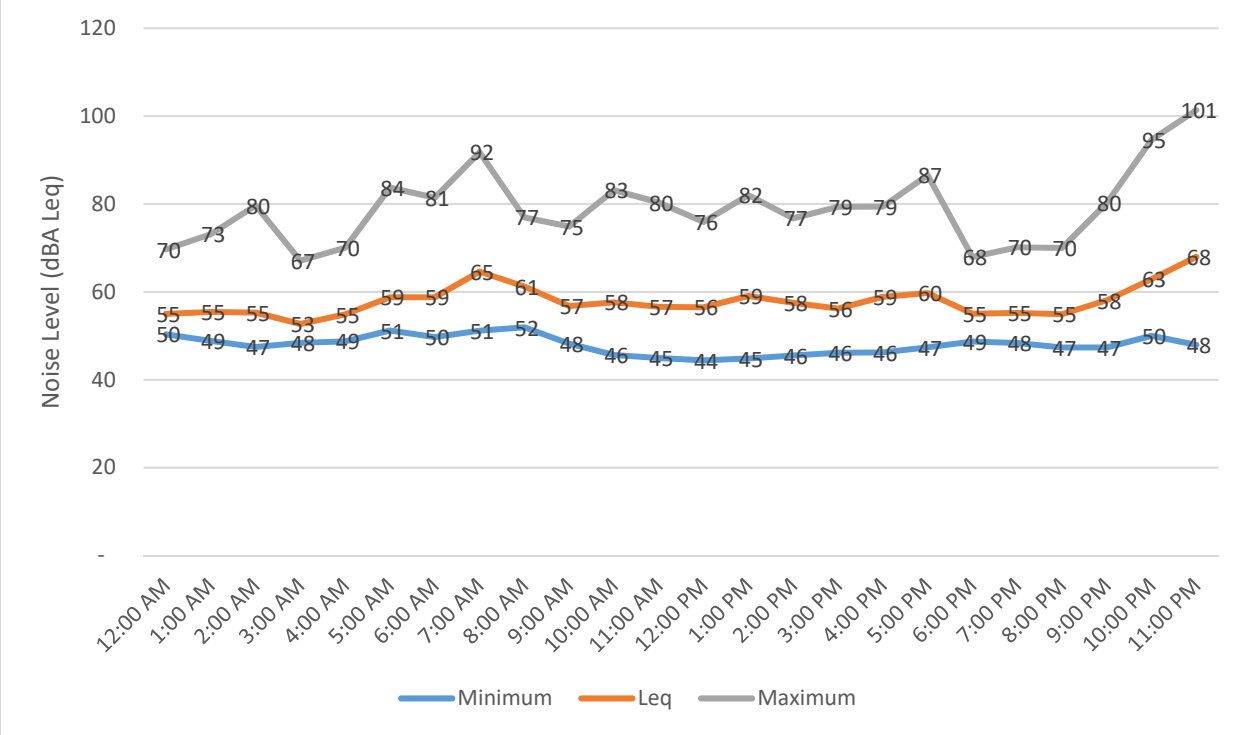
FIGURE 1
HOURLY NOISE LEVELS AT NOISE MONITORING LOCATION 1



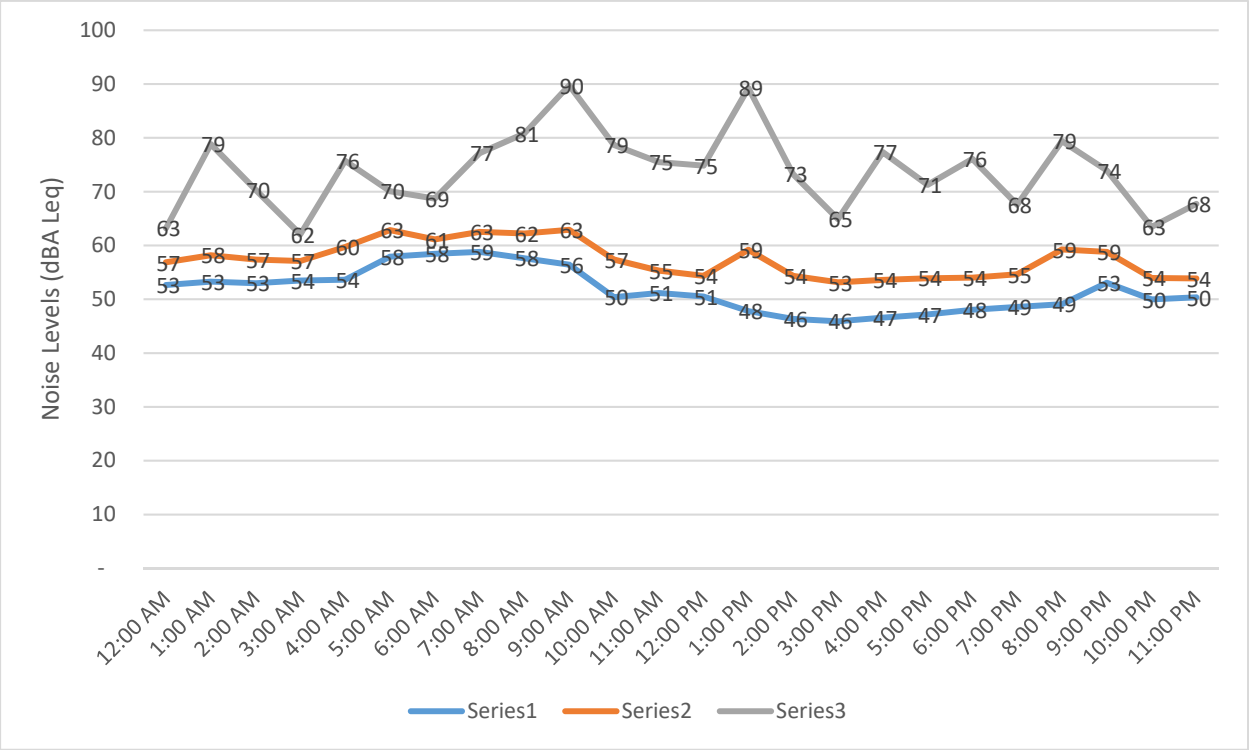
Noise Monitoring Location 2 is proximate to West Merced Avenue. As shown in Figure 2, Hourly Noise Levels at Noise Monitoring Location 2, average daytime noise levels in the study area range from 53 to 68 dBA L_{eq}. The 24-hour weighted noise level at this location is 67 dBA CNEL.

FIGURE 2
HOURLY NOISE LEVELS AT NOISE MONITORING LOCATION 2



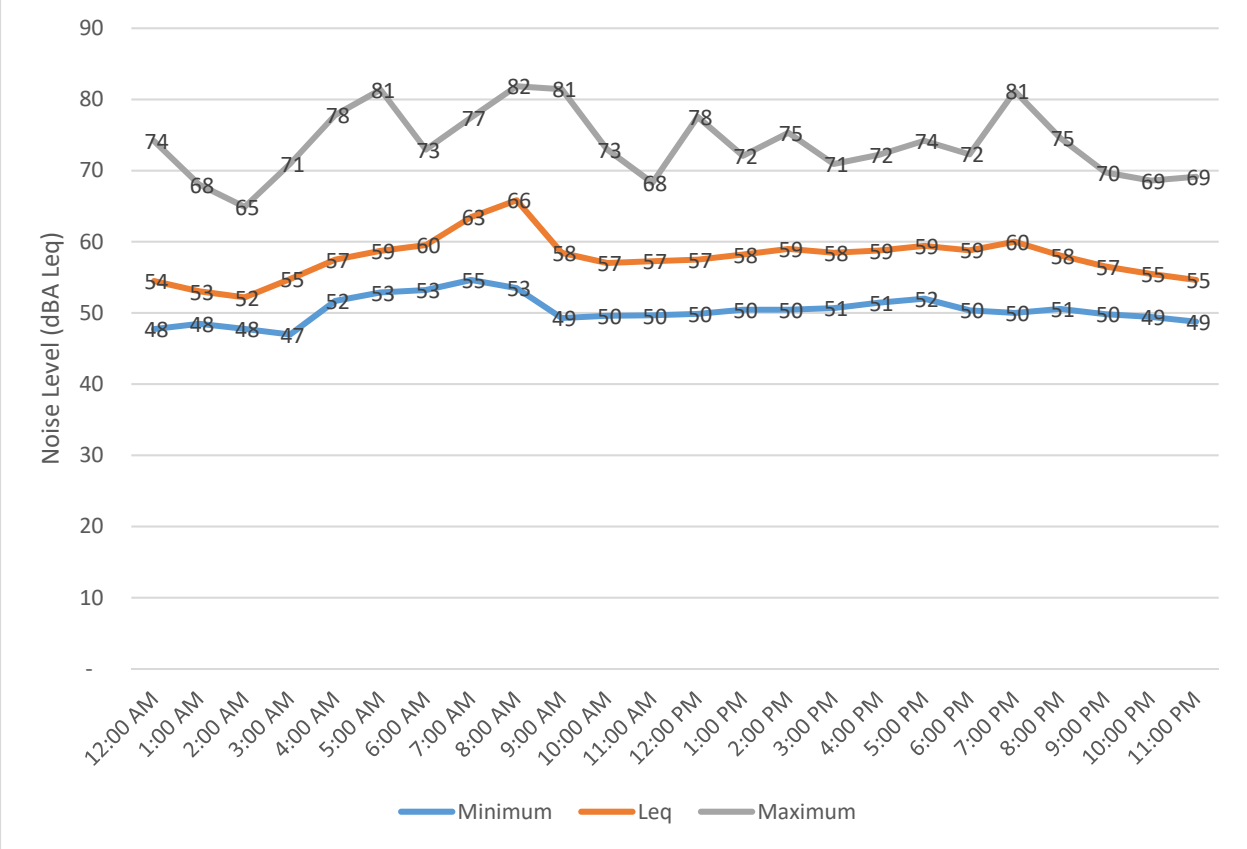
Noise Monitoring Location 3 is located adjacent to Orangewood Park. As shown in Figure 3, Hourly Noise Levels at Noise Monitoring Location 3, average daytime noise levels in the study area range from 53 to 63 dBA L_{eq}. The 24-hour weighted noise level at this location is 65 dBA CNEL.

FIGURE 3
HOURLY NOISE LEVELS AT NOISE MONITORING LOCATION 3



Noise Monitoring Location 4 is located proximate to the adjacent Torrey Pines Apartment Homes. As shown in Figure 4, Hourly Noise Levels at Noise Monitoring Location 4, average daytime noise levels in the study area range from 52 to 66 dBA L_{eq}. The 24-hour weighted noise level at this location is 63.8 dBA CNEL.

FIGURE 4
HOURLY NOISE LEVELS AT NOISE MONITORING LOCATION 4



Sensitive Receptors

The State of California defines noise-sensitive receptors as those land uses that require serenity or are otherwise adversely affected by noise events or conditions. Schools, libraries, churches, hospitals, and residential uses make up the majority of these areas. Noise-sensitive receptors closest to the Project site include multi-family residences surrounding the Project site in addition to the Edgewood High School located to the south of the Project site.

REGULATORY SETTING

Public agencies have established noise guidelines and standards to protect citizens from potential hearing damage and various other adverse physiological and social effects associated with noise.

State of California

Title 24 of the *California Code of Regulations,* also known as the California Building Standards Code, establishes building standards applicable to all occupancies throughout the state. Section 1207.11.2 requires that residential structures other than detached single-family dwellings be designed to prevent the intrusion of exterior noise so that the interior noise attributable to exterior sources shall not exceed 45 dBA CNEL in any habitable room. Section 1207.12 states, "if interior allowable noise levels are met by requiring that windows be unopenable or closed, the design for the structure must also specify a

ventilation or air-conditioning system to provide a habitable interior requirement. The ventilation system must not compromise the dwelling unit or guest room noise reduction".

City of West Covina

The City of West Covina has established guidelines and standards in the General Plan and the Municipal Code.

General Plan Noise Element

The City of West Covina is affected by several different sources of noise, including automobile traffic, commercial activity, and periodic nuisances such as construction, loud parties, and other events. The Noise Element is intended to identify these sources and provide objectives and policies that ensure that noise from these sources does not create an unacceptable noise environment (West Covina 2016). The Noise Element contains guidelines for noise compatible land use for long-term operations as shown in Table 2.

The Noise Element of the General Plan acknowledges that noise from major roadways may affect sensitive receptors and identifies roadways proximate to the Project site such as Colorado Boulevard as a major roadway. The following policy and implementation measures are applicable to the Project:

Policies and Actions

P6.23	Ensure that new development is not exposed to excessive noise.
A6.23a	Require new developments to reduce exterior noise levels for any usable outdoor area to the "normally acceptable" range in the City's land use/noise compatibility matrix, shown in Table 6.4 of this Noise Element.
A6.23b	Require mixed-use structures and areas to be designed to prevent transfer or noise from commercial to residential uses, and to ensure a 45 CNEL level or lower for all interior living spaces.
A6.23c	Require any residential component of all new buildings to comply with the requirements of the residential noise insulations standards of the most recent edition of California's building code.
P6.24	Ensure that new development does not expose surrounding land uses to excessive noise.
A6.24	Through the environmental review process, require applicants for new development proposals to analyze potential noise impacts on nearby noise-sensitive receivers before project approval. As feasible, require appropriate noise mitigation to address any identified significant noise impacts.
P6.25	Minimize noise conflicts between local noise generators and sensitive receivers.
A6.25a	Continue to enforce the City's existing Noise Ordinance.
A6.25b	Track noise complaints to determine areas of potential problems, and work proactively with the noise generators and the affected parties to reduce the impacts of such noise.

TABLE 2
CITY OF WEST COVINA LAND USE/ NOISE COMPATIBILITY MATRIX

Land Use Category	Community Noise Exposure Ldn or CNEL, DBA						
	55	60	65	70	75	80	85
Residential – Low density single family, duplex, mobile homes							
Residential – Multi-family							
Transient Lodging – Motels, Hotels							
Schools, Libraries, Churches, Hospitals, Nursing Homes							
Auditoriums, Concert Halls, Amphitheaters							
Sports Arena, Outdoor Spectator Sports							
Playgrounds, Neighborhood Parks							
Golf Courses, Riding Stables, Water Recreation, Cemeteries							
Office Buildings, Business Commercial and Professional							
Industrial, Manufacturing, Utilities, Agriculture							

Normally Acceptable Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirement.	Normally Acceptable If new construction or development proceeds, an analysis of the noise reduction requirements should be made and needed noise insulation features included in the design.
Conditionally Acceptable New construction or development should be undertaken after an 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.	Clearly Unacceptable New construction or development should generally not be undertaken, unless it can be demonstrated that an interior level of 45 dBA can be achieved.

Source: West Covina 2016.

The Noise Element recognizes that construction activity is also a source of occasional temporary nuisance noise throughout the City. "The Noise Ordinance prohibits any construction activities between the hours of 8pm to 7am (or 6am for unloading and loading activities) that causes the noise level at the property line to exceed the ambient noise level by more than 5dB, unless a permit has been obtained, or in the case of emergency work as defined in the Noise Ordinance."

Municipal Code

The City Municipal Code (Chapter 15, Article IV, Noise Regulations) is the City's Noise Ordinance. It is the City's policy "…in the exercise of its police power, to regulate and control annoying noise levels from all sources. At certain levels noises are detrimental to the health and welfare of the citizenry and in the public interest shall be systematically proscribed." The following sections of the Noise Ordinance are applicable to the proposed Project:

> Sec. 15-85 – Loud, unnecessary noise prohibited generally.
>
> Notwithstanding any other provision of this article, it shall be unlawful for any person within any residential zone of the city to willfully make or continue or cause to be made or continued, any loud, unnecessary or unusual noise which unreasonably disturbs the peace and quiet of any residential neighborhood or which causes discomfort or annoyance to any reasonable person of normal sensitiveness residing in the area. If the noise which is being created is plainly audible at a distance of fifty (50) feet from the property line of any property (or if a condominium or apartment house, within any adjoining unit or apartment), building, structure or vehicle in which it is located, it shall be presumed that the noise being created is in violation of the provisions of this section.
>
> Sec. 15-94. - Radios, television sets, and similar devices.
>
> Between the hours of 10:00 p.m. on one (1) day and 7:00 a.m. of the following day, it shall be unlawful for any person within any residential zone of the city to use or operate any radio receiving set, musical instrument, phonograph, television set, or other machine or device for the producing or reproducing of sound or any device by which voice, music, or any other sound is amplified, in such a manner as to create any noise which causes the noise level at the property line of any property (or if a condominium or apartment house, within any adjoining unit or apartment), building, structure or vehicle to be plainly audible at a distance of fifty (50) feet therefrom.
>
> Sec. 15-95. - Construction and building projects.
>
> (a) Regulation. Between the hours of 8:00 p.m. of one day and 7:00 a.m. of the next day, it shall be unlawful for any person within a residential zone, or within a radius of five hundred (500) feet therefrom, to operate equipment or perform any outside construction or repair work on buildings, structures, or projects or to operate any pile driver, steam shovel, pneumatic hammer, derrick, steam or electric hoist, or other construction type device in such manner as to create any noise which causes the noise level at the property line to exceed the ambient noise level by more than five (5) decibels unless a permit therefor has been duly obtained in accordance with paragraph (b) of this section. No permit shall be required to perform emergency work as defined in section 15-83 of this article.
>
> (b) Permit procedure. A permit may be issued authorizing noises prohibited by this section whenever it is found that the public interest will be served thereby.

Applications for permits shall be in writing, shall be accompanied by an application fee in the amount of five dollars ($5.00), and shall set forth in detail facts showing that the public interest will be served by the issuance of such permit. Applications shall be made to the building director; provided, however, that, with respect to work upon or involving the use of a public street, alley, building, or other public place under the jurisdiction of the engineering department, applications shall be made to the city engineer. Anyone dissatisfied with the denial of a permit may appeal to the council.

(c) Unloading and Loading. Between the hours of 8:00 p.m. of one day and 6:00 a.m. of the next day, it shall be unlawful for any person within the radius of five hundred (500) feet of generally occupied residences to unload, load or otherwise perform duties preparatory to the commencement of construction or repair work on buildings or structures. Generally occupied residences shall include, but not be limited to, areas in which there is a reasonable probability of occupancy within the area.

Noise Impact Analysis

The following questions correspond to the questions in the Noise section of the Initial Study Checklist in Appendix G of the State CEQA Guidelines.

Question NOI-1 Would the Project result in exposure of persons to, or generation of, noise levels in excess of standards established in the local general plan, local noise ordinance, or applicable standards of other agencies?

Noise and Land Use Compatibility

Exterior Noise

Less than Significant Impact. The City of West Covina noise and land use/noise compatibility standards are presented in the General Plan Noise Element. These noise standards provide a basis to control and abate environmental noise and protect citizens from excessive exposure. The Noise Element includes the noise compatibility guidelines from the State General Plan Guidelines, as shown in Table 2 above. These guidelines are used to evaluate the proposed Project's compatibility with the ambient noise level.

As previously described, the existing noise level on the Project site is estimated at 64 to 70 dBA CNEL at all the noise monitoring locations. These locations were taken at the Project site's property lines. Proposed Project structures would be located approximately 300 to 400 feet away from South Sunset Avenue and West Merced Avenue. Noise levels would attenuate to levels below 65 dBA CNEL at Project structures due to noise attenuation due to distance; 65 dBA CNEL would be in the Normally Acceptable range for land use compatibility of hospital and 75 dBA CNEL for office land uses (Table 1). As such, there would be a less than significant impact associated with noise compatibility for the proposed uses and no mitigation is required.

Interior Noise

Less than Significant Impact. Title 24 of the *California Code of Regulations,* also known as the California Building Standards Code, establishes building standards applicable to all occupancies throughout the state. Section 1207.11.2 requires that habitable rooms be designed to prevent the intrusion of exterior noise so that the interior noise attributable to exterior sources shall not exceed 45 dBA CNEL

in any habitable room. Section 1207.12 states, "if interior allowable noise levels are met by requiring that windows be unopenable or closed, the design for the structure must also specify a ventilation or air conditioning system to provide a habitable interior requirement. The ventilation system must not compromise the dwelling unit or guest room noise reduction". The interior noise exposure is the difference between the projected exterior noise exposure at the building facade and the noise reduction of the structure. Exterior noise levels were measured and calculated at 65 dBA CNEL on the western property line. Noise levels are attenuated by a minimum of 24 dBA from exterior to interior conditions with windows closed. A 24-dBA reduction from the 65-dBA CNEL exterior noise levels would result in a maximum of 41-dBA CNEL interior noise level, which is below the California interior noise standard of 45 dBA CNEL. Impacts would be less than significant and no mitigation measures are required.

Question NOI-2 Would the Project result in exposure of persons to, or generation of, excessive groundborne vibration or groundborne noise levels?

Less than Significant Impact. The proposed Project would not generate or expose persons or structures to excessive groundborne vibration from the construction. There are no applicable City standards for vibration-induced annoyance or structural damage from vibration. The California Department of Transportation (Caltrans) vibration damage potential guideline thresholds are shown in Table 3.

TABLE 3
VIBRATION DAMAGE THRESHOLD CRITERIA

Building Class	Continuous Source PPV (in/sec)	Single-Event Source PPV (in/sec)
Class I: buildings in steel or reinforced concrete, such as factories, retaining walls, bridges, steel towers, open channels, underground chambers and tunnels with and without concrete alignment	0.5	1.2
Class II: buildings with foundation walls and floors in concrete, walls in concrete or masonry, stone masonry retaining walls, underground chambers and tunnels with masonry alignments, conduits in loose material	0.3	0.7
Blass III: buildings as mentioned above but with wooden ceilings and walls in masonry	0.2	0.5
Class IV: construction very sensitive to vibrations; objects of historic interest	0.12	0.3
in/sec: inch per second; PPV: peak particle velocity Source: Caltrans 2013.		

The structural damage threshold for "Class I Buildings" of 0.5 peak particle velocity (ppv) inch per second (in/sec) is selected for analysis. This threshold represents the vibration limits for structural damage to adjacent uses to the Project site from continuous sources of vibration.

The Caltrans vibration annoyance potential guideline thresholds are shown in Table 4. Based on the guidance in Table 4, the "strongly perceptible" vibration level of 0.9 ppv in/sec is considered as a threshold for a potentially significant vibration impact for human annoyance.

TABLE 4
VIBRATION ANNOYANCE CRITERIA

Average Human Response	ppv (in/sec)
Severe	2.0
Strongly perceptible	0.9
Distinctly perceptible	0.24
Barely perceptible	0.035
ppv: peak particle velocity; in/sec: inch(es) per second Source: Caltrans 2013.	

Pile driving and blasting are generally the sources of the most severe vibration during construction. Neither pile driving nor blasting would be used during Project construction. Conventional construction equipment would be used for demolition and grading activities. Table 5 summarizes typical vibration levels measured during construction activities for various vibration-inducing pieces of equipment.

TABLE 5
VIBRATION LEVELS FOR CONSTRUCTION EQUIPMENT

Equipment		ppv at 25 ft (in/sec)
Pile driver (impact)	upper range	1.518
	typical	0.644
Pile driver (sonic)	upper range	0.734
	typical	0.170
Vibratory roller		0.210
Large bulldozer		0.089
Caisson drilling		0.089
Loaded trucks		0.076
Jackhammer		0.035
Small bulldozer		0.003
ppv: peak particle velocity; ft: feet; in/sec: inches per second. Source: Caltrans 2013; FTA 2006.		

Demolition, grading, and construction would occur up to the property lines and, as noted above, some land uses are relatively close to the property lines.

Table 6, Phase 1A Vibration Impacts at Sensitive Uses, shows the vibration levels from construction-generated vibration activities proposed at the Project site. Construction of Phase 1A improvements would generally occur on the northern portion of the Project site. Vibration impacts are assessed at the nearest building structures. As shown in Table 6, the ppv relative to uses proximate to the Project site are substantially below both the annoyance and structural damage criteria.

TABLE 6
PHASE 1A VIBRATION IMPACTS AT SENSITIVE USES

Equipment	Vibration Levels (ppv)			
	Receptors to the Northwest – Orangewood Park	Residents to the Northeast – Multifamily Residential (Torrey Pines)	Receptors to the Southeast – Single Family Residential Uses	Receptors to the Southwest – Edgewood High School
	(ppv @ 460 ft)	(ppv @ 207 ft)	(ppv @ 504 ft)	(ppv @ 980 ft)
Large bulldozer	0.001	0.004	0.001	0.000
Small bulldozer	0.000	0.000	0.000	0.000
Jackhammer	0.000	0.001	0.000	0.000
Loaded trucks	0.001	0.003	0.001	0.000
Annoyance Criteria	**0.9**	**0.9**	**0.9**	**0.9**
Structural Damage Criteria	**0.5**	**0.5**	**0.5**	**0.5**
Exceeds Criteria?	**No**	**No**	**No**	**No**

ppv: peak particle velocity; Max: maximum; avg: average; ft: feet
Source: USEPA 1971 (Calculations can be found in Attachment B).

As shown in Table 6, ppv would not exceed the criteria threshold when construction activities occur under maximum (i.e., closest to the receptor) exposure conditions. These vibration levels represent conditions when construction activities occur closest to receptor locations. Construction-related vibration would be substantially less under average conditions when construction activities are located further away.

Table 7 shows vibration levels associated with the development of Phase 1B of the Project. Areas that would be developed under Phase 1B of the Project are located to the north and also at the center of the Project site. The vibration analysis shown in Table 7 show that vibration levels would be less than the annoyance and structural damage significance thresholds.

TABLE 7
PHASE 1B VIBRATION IMPACTS AT SENSITIVE USES

Equipment	Vibration Levels (ppv)			
	Receptors to the Northwest – Orangewood Park	Residents to the Northeast – Multifamily Residential (Torrey Pines)	Receptors to the Southeast – Single Family Residential Uses	Receptors to the Southwest – Edgewood High School
	(ppv @ 160 ft)	(ppv @ 35 ft)	(ppv @ 510 ft)	(ppv @ 960 ft)
Large bulldozer	0.005	0.054	0.001	0.000
Small bulldozer	0.000	0.002	0.000	0.000
Jackhammer	0.002	0.021	0.000	0.000
Loaded trucks	0.005	0.046	0.001	0.000
Annoyance Criteria	**0.9**	**0.9**	**0.9**	**0.9**
Structural Damage Criteria	**0.5**	**0.5**	**0.5**	**0.5**
Exceeds Criteria?	**No**	**No**	**No**	**No**

ppv: peak particle velocity; Max: maximum; avg: average; ft: feet
Source: USEPA 1971 (Calculations can be found in Attachment B).

Table 8 shows vibration levels associated with the development of Phase 2 of the Project. Phase 2 development areas are located near the eastern portion of the Project site. The vibration analysis shown in Table 8 show that vibration levels would be less than the annoyance and structural damage significance thresholds.

TABLE 8
PHASE 2 VIBRATION IMPACTS AT SENSITIVE USES

	Vibration Levels (ppv)			
Equipment	**Receptors to the Northwest – Orangewood Park (ppv @ 908 ft)**	**Residents to the Northeast – Multifamily Residential (Torrey Pines) (ppv @ 185 ft)**	**Receptors to the Southeast – Single Family Residential Uses (ppv @ 350 ft)**	**Receptors to the Southwest – Edgewood High School (ppv @ 990 ft)**
Large bulldozer	0.000	0.004	0.002	0.000
Small bulldozer	0.000	0.000	0.000	0.000
Jackhammer	0.000	0.002	0.001	0.000
Loaded trucks	0.000	0.004	0.001	0.000
Annoyance Criteria	**0.9**	**0.9**	**0.9**	**0.9**
Structural Damage Criteria	**0.5**	**0.5**	**0.5**	**0.5**
Exceeds Criteria?	**No**	**No**	**No**	**No**

ppv: peak particle velocity; Max: maximum; avg: average; ft: feet
Source: USEPA 1971 (Calculations can be found in Attachment B).

Table 9 shows vibration levels associated with the development of Phase – Long Term of the Project. Phase – Long Term development areas would generally occur to the west and south of the Project site. The vibration analysis shown in Table 9 shows that vibration levels would be less than the annoyance and structural damage significance thresholds.

TABLE 9
PHASE LONG TERM VIBRATION IMPACTS AT SENSITIVE USES

	Vibration Levels (ppv)			
Equipment	**Receptors to the Northwest – Hockey Rink (ppv @ 90 ft)**	**Residents to the Northeast – Multifamily Residential (Torrey Pines) (ppv @ 615 ft)**	**Receptors to the Southeast – Single Family Residential Uses (ppv @ 360 ft)**	**Receptors to the Southwest – Edgewood High School (ppv @ 530 ft)**
Large bulldozer	0.013	0.001	0.002	0.001
Small bulldozer	0.000	0.000	0.000	0.000
Jackhammer	0.005	0.000	0.001	0.000
Loaded trucks	0.011	0.001	0.001	0.001
Annoyance Criteria	**0.9**	**0.9**	**0.9**	**0.9**
Structural Damage Criteria	**0.5**	**0.5**	**0.5**	**0.5**
Exceeds Criteria?	**No**	**No**	**No**	**No**

ppv: peak particle velocity; Max: maximum; avg: average; ft: feet
Source: USEPA 1971 (Calculations can be found in Attachment B).

As shown in Tables 6 through 9, all ppv levels would be below the annoyance and structural damage thresholds at nearby offsite structures. This is due to the distance between Project construction activities and off-site building structures. As such, impacts related to the potential for cosmetic structural damage and annoyance would be less than significant.

Question NOI-3 Would the Project result in a substantial permanent increase in ambient noise levels in the Project vicinity above levels existing without the Project?

The analysis in this section is divided into the following categories: Noise Generated by Project Traffic and Noise Generated by On-Site Sources.

Off-site Noise Generated by Project Traffic

Less than Significant Impact. Operation of the proposed Project would generate traffic along roadways in the Project vicinity. The Project is anticipated to generate an additional 9,587 trips per day with 776 AM peak-hour trips and 924 PM peak-hour trips (Psomas 2018). Table 10, Project-Related Off-site Traffic Noise Increases, shows the corresponding increase in off-site traffic noise would range from 0.0 to 0.5 dBA for the analyzed roadway segments. The west segment of the intersection of Vine Avenue and Sunset Avenue would result in an increase in noise levels of 3.6 dBA CNEL. This roadway segment provides parking lot access to the Project site and is not located proximate to off-site noise sensitive land uses. All other roadways would experience noise level increases that are less than 1 dB and would also not be perceptible or substantial. The impact on traffic noise levels would be less than significant, and no mitigation is required.

TABLE 10
PROJECT-RELATED OFF-SITE TRAFFIC NOISE INCREASES

Intersection	Segment	CNEL at 100 feet from roadway centerline (dBA)			
		No Project	With Project	Project Contribution	Potential Impact?
Francisquito Ave/Sunset Ave	East Segment	70.3	70.3	0.0	No
	West Segment	70.4	70.4	0.0	No
	North Segment	71.4	71.4	0.1	No
	South Segment	71.4	71.5	0.1	No
Durness St/Sunset Ave	East Segment	58.6	58.6	0.0	No
	West Segment	61.5	61.5	0.0	No
	North Segment	71.4	71.5	0.1	No
	South Segment	71.5	71.5	0.1	No
Merced Ave/Sunset Ave	East Segment	69.4	69.6	0.2	No
	West Segment	69.2	69.2	0.1	No
	North Segment	71.8	71.9	0.1	No
	South Segment	71.6	71.6	0.1	No
Vine Ave/Sunset Ave	East Segment	57.6	57.6	0.0	No
	West Segment	60.0	63.5	3.6	No
	North Segment	72.0	72.4	0.4	No
	South Segment	71.7	71.9	0.1	No
Cameron Ave/Sunset Ave	East Segment	69.8	69.9	0.1	No
	West Segment	70.2	70.3	0.2	No
	North Segment	71.1	71.5	0.3	No
	South Segment	71.8	72.3	0.4	No

TABLE 10
PROJECT-RELATED OFF-SITE TRAFFIC NOISE INCREASES

Intersection	Segment	CNEL at 100 feet from roadway centerline (dBA)			
		No Project	With Project	Project Contribution	Potential Impact?
West Covina Pkwy/Sunset Ave	East Segment	68.4	68.4	0.0	No
	West Segment	68.5	68.8	0.4	No
	North Segment	71.2	71.2	0.1	No
	South Segment	71.2	71.5	0.3	No
I-10 EB Ramps/Dalewood St	East Segment	4.8	4.8	0.0	No
	West Segment	64.8	64.9	0.2	No
	North Segment	68.8	69.0	0.2	No
	South Segment	69.8	69.8	0.0	No
Merced Ave/Dalewood St/Garvey Ave	East Segment	67.8	68.1	0.3	No
	West Segment	4.8	4.8	0.0	No
	North Segment	62.4	62.4	0.0	No
	South Segment	68.8	69.0	0.2	No
Merced Ave/Orange Ave	East Segment	68.8	68.9	0.2	No
	West Segment	67.8	68.0	0.2	No
	North Segment	67.5	67.5	0.0	No
	South Segment	67.3	67.3	0.0	No
Merced Ave/California Ave	East Segment	69.0	69.2	0.2	No
	West Segment	69.0	69.2	0.2	No
	North Segment	64.0	64.0	0.0	No
	South Segment	63.8	63.8	0.0	No
Merced Ave/Glendora Ave	East Segment	68.5	68.6	0.1	No
	West Segment	69.0	69.2	0.2	No
	North Segment	71.1	71.1	0.0	No
	South Segment	71.0	71.0	0.1	No
Cameron Ave/Orange Ave	East Segment	70.8	70.8	0.1	No
	West Segment	70.4	70.5	0.0	No
	North Segment	60.9	61.4	0.5	No
	South Segment	68.5	68.5	0.0	No
Cameron Ave/Toluca Ave	East Segment	70.1	70.3	0.2	No
	West Segment	70.8	70.9	0.1	No
	North Segment	63.5	63.8	0.2	No
	South Segment	45.3	45.3	0.0	No
West Covina Pkwy/I-10 WB Ramps	East Segment	69.8	70.1	0.3	No
	West Segment	69.2	69.2	0.0	No
	North Segment	62.6	62.6	0.0	No
	South Segment	66.9	67.2	0.3	No
West Covina Pkwy/I-10 EB Ramps	East Segment	68.8	69.2	0.4	No
	West Segment	69.8	70.1	0.3	No
	North Segment	60.3	60.3	0.0	No
	South Segment	64.6	64.8	0.2	No

TABLE 10
PROJECT-RELATED OFF-SITE TRAFFIC NOISE INCREASES

Intersection	Segment	CNEL at 100 feet from roadway centerline (dBA)			
		No Project	With Project	Project Contribution	Potential Impact?
West Covina Pkwy/Toluca Ave	East Segment	68.2	68.6	0.4	No
	West Segment	68.7	69.1	0.4	No
	North Segment	4.8	4.8	0.0	No
	South Segment	63.9	64.1	0.2	No
Ave: Avenue; Pkwy: Parkway; I-: Interstate; St: Street; WB: westbound; CNEL: community noise equivalency level; dBA: A-weighted decibels.					

Cumulative Traffic Noise Increases

Cumulative traffic noise impacts are measured based on projected long-term future traffic noise level increases over existing conditions. This analysis considers the forecasted traffic volumes for scenarios that include approved and pending (not-approved) projects currently in process within the City of West Covina or adjacent communities that could impact traffic volumes within the study area, which is the 2035 scenario described. Long-term cumulative off-site impacts from traffic noise are measured as follows. First, a substantial cumulative noise increase would occur if future traffic noise levels increase by more than 3 dBA compared to existing conditions.

Table 11 shows that the cumulative noise level increases associated with the Project. With the exception of western segment of the Vine Avenue and Sunset Avenue intersection, there is no substantial cumulative noise increase of more than 3 dBA between 2035 With-Project and the existing conditions. The increase in noise is due to increased Project-related traffic accessing the Project site. Noise level increases associated with travel along roadways at this intersection are not considered to be substantial and would not expose off-site uses to excessive noise level increases. Therefore, the proposed Project would not result in a cumulatively considerable contribution to a significant cumulative impact due to traffic noise.

TABLE 11
CUMULATIVE OFF-SITE TRAFFIC NOISE INCREASES

Intersection	Segment	CNEL at 100 feet from roadway centerline (dBA)			
		No Project	With Project	Project Contribution	Potential Impact?
Francisquito Ave/Sunset Ave	East Segment	69.3	70.3	1.0	No
	West Segment	69.4	70.4	1.0	No
	North Segment	70.3	71.4	1.1	No
	South Segment	70.4	71.5	1.1	No
Durness St/Sunset Ave	East Segment	57.6	58.6	1.0	No
	West Segment	60.5	61.5	1.0	No
	North Segment	70.4	71.5	1.1	No
	South Segment	70.4	71.5	1.1	No

TABLE 11
CUMULATIVE OFF-SITE TRAFFIC NOISE INCREASES

Intersection	Segment	CNEL at 100 feet from roadway centerline (dBA)			
		No Project	With Project	Project Contribution	Potential Impact?
Merced Ave/Sunset Ave	East Segment	68.4	69.6	1.2	No
	West Segment	68.1	69.2	1.1	No
	North Segment	70.7	71.9	1.2	No
	South Segment	70.5	71.6	1.1	No
Vine Ave/Sunset Ave	East Segment	56.5	57.6	1.0	No
	West Segment	59.2	63.5	4.3	No
	North Segment	70.9	72.4	1.4	No
	South Segment	70.7	71.9	1.2	No
Cameron Ave/Sunset Ave	East Segment	68.8	69.9	1.1	No
	West Segment	69.2	70.3	1.2	No
	North Segment	70.1	71.5	1.4	No
	South Segment	70.8	72.3	1.4	No
West Covina Pkwy/Sunset Ave	East Segment	67.3	68.4	1.0	No
	West Segment	67.4	68.8	1.4	No
	North Segment	70.1	71.2	1.1	No
	South Segment	70.1	71.5	1.4	No
I-10 EB Ramps/Dalewood St	East Segment	4.8	4.8	0.0	No
	West Segment	63.8	64.9	1.2	No
	North Segment	67.8	69.0	1.3	No
	South Segment	68.7	69.8	1.1	No
Merced Ave/Dalewood St/Garvey Ave	East Segment	66.8	68.1	1.3	No
	West Segment	4.8	4.8	0.0	No
	North Segment	61.4	62.4	1.0	No
	South Segment	67.8	69.0	1.3	No
Merced Ave/Orange Ave	East Segment	67.7	68.9	1.2	No
	West Segment	66.8	68.0	1.3	No
	North Segment	66.4	67.5	1.0	No
	South Segment	66.2	67.3	1.0	No
Merced Ave/California Ave	East Segment	68.0	69.2	1.2	No
	West Segment	68.0	69.2	1.2	No
	North Segment	63.0	64.0	1.0	No
	South Segment	62.7	63.8	1.0	No
Merced Ave/Glendora Ave	East Segment	67.5	68.6	1.1	No
	West Segment	68.0	69.2	1.2	No
	North Segment	70.1	71.1	1.0	No
	South Segment	69.9	71.0	1.1	No
Cameron Ave/Orange Ave	East Segment	69.7	70.8	1.1	No
	West Segment	69.4	70.5	1.0	No
	North Segment	59.9	61.4	1.5	No
	South Segment	67.5	68.5	1.0	No

TABLE 11
CUMULATIVE OFF-SITE TRAFFIC NOISE INCREASES

Intersection	Segment	CNEL at 100 feet from roadway centerline (dBA)			
		No Project	With Project	Project Contribution	Potential Impact?
Cameron Ave/Toluca Ave	East Segment	69.1	70.3	1.2	No
	West Segment	69.8	70.9	1.1	No
	North Segment	62.5	63.8	1.2	No
	South Segment	44.1	45.3	1.2	No
West Covina Pkwy/I-10 WB Ramps	East Segment	68.8	70.1	1.3	No
	West Segment	68.1	69.2	1.0	No
	North Segment	61.6	62.6	1.0	No
	South Segment	65.9	67.2	1.3	No
West Covina Pkwy/I-10 EB Ramps	East Segment	67.8	69.2	1.4	No
	West Segment	68.8	70.1	1.3	No
	North Segment	59.3	60.3	1.0	No
	South Segment	63.6	64.8	1.2	No
West Covina Pkwy/Toluca Ave	East Segment	67.2	68.6	1.4	No
	West Segment	67.6	69.1	1.5	No
	North Segment	4.8	4.8	0.0	No
	South Segment	62.9	64.1	1.2	No

Ave: Avenue; Pkwy: Parkway; I-: Interstate; St: Street; WB: westbound; CNEL: community noise equivalency level; dBA: A-weighted decibels.

On-Site Sources

Less than Significant Impact. Operational noise sources associated with the proposed Project would include, but are not limited to, mechanical equipment (e.g., HVAC units); landscape maintenance equipment; vehicles on the local internal roadway; and typical residential activities. The City of West Covina's Noise Ordinance is designed to control unnecessary, excessive, and annoying sounds from sources on private property by specifying noise levels that cannot be exceeded. Section 15-85 – Loud, unnecessary noises prohibited generally defines the noise limits at residential uses. HVAC units and other stationary equipment would be selected and installed to comply with the City of West Covina's Noise Ordinance. Because HVAC units are potentially continuous sources that may operate at night, the applicable Noise Ordinance requirement is that noise associated with the HVAC units shall not be plainly audible at a distance of 50 feet from the property line. Compliance with the City's Noise Ordinance would minimize these impacts to less than significant levels.

Noise from landscape maintenance, vehicles, and hospital/medical office activities would be similar to noise currently occurring in existing residential neighborhoods. Noise from landscaping activities are specifically addressed under municipal code section 15-97 – Restrictions on the operation of two- and four-stroke engines. Compliance with the noise limits for landscaping would result in less than significant noise impacts. The Project does not include the development of a helipad. If a helipad is proposed at a future date, potential noise impacts would be addressed per public disclosure requirements under the CEQA. Noise impacts from stationary sources would be less than significant and no mitigation is required.

Question NOI-4 Would the Project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the Project?

Construction Noise

Less than Significant Impact. The development of the proposed Project would entail construction activities which include noise generated from demolition, grading/excavation, and building construction activities. Local residents would be subject to elevated noise levels due to the operation of Project-related construction equipment. Construction activities are carried out in discrete steps, each of which has its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise levels surrounding the construction site as work progresses. Construction noise levels reported in the U.S. Environmental Protection Agency's (USEPA's) *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances* were used to estimate future construction noise levels for the Project (USEPA 1971). Typically, the estimated construction noise levels are governed primarily by equipment that produces the highest noise levels. Construction noise levels for each generalized construction phase (ground-clearing/demolition, excavation, foundation construction, building construction, paving, and site cleanup) are based on a typical construction equipment mix for an industrial project and do not include use of atypical, very loud, and vibration-intensive equipment (e.g., pile drivers).

The degree to which noise-sensitive receptors are affected by construction activities depends heavily on their proximity. Estimated noise levels attributable to the development of the proposed Project are shown in Tables 12 through 15 for each of the Project phases, and calculations are included in Attachment B, Noise Calculations.

TABLE 12
PHASE 1A CONSTRUCTION NOISE IMPACTS AT SENSITIVE USES

Equipment	Construction Noise Levels (dBA L_{eq})							
	Receptors to the Northwest – Orangewood Park		Residents to the Northeast – Multifamily Residential (Torrey Pines)		Receptors to the Southeast – Single Family Residential Uses		Receptors to the Southwest – Edgewood High School	
	Max (25 ft)	Avg (310 ft)	Max (160 ft)	Avg (220 ft)	Max (900 ft)	Avg (1070 ft)	Max (417 ft)	Avg (440 ft)
Ground Clearing/Demolition	90	68	74	71	64	61	59	57
Excavation (Site Preparation)	95	73	79	76	69	66	64	62
Foundation Construction	84	62	68	65	58	55	53	51
Building Construction	93	71	77	74	67	64	62	60
Paving	95	73	79	76	69	66	64	62

ppv: peak particle velocity; Max: maximum; avg: average; ft: feet

Source: USEPA 1971 (Calculations can be found in Attachment B).

TABLE 13
PHASE 1B CONSTRUCTION NOISE IMPACTS AT SENSITIVE USES

Equipment	Construction Noise Levels (dBA L_{eq})							
	Receptors to the Northwest – Orangewood Park		Residents to the Northeast – Multifamily Residential (Torrey Pines)		Receptors to the Southeast – Single Family Residential Uses		Receptors to the Southwest – Edgewood High School	
	Max (170 ft)	Avg (600 ft)	Max (25 ft)	Avg (200 ft)	Max (880 ft)	Avg (1400 ft)	Max (417 ft)	Avg (440 ft)
Ground Clearing/Demolition	90	68	74	71	64	61	59	57
Excavation (Site Preparation)	73	62	90	72	64	60	59	55
Foundation Construction	78	67	95	77	69	65	64	60
Building Construction	67	56	84	66	58	54	53	49
Paving	76	65	93	75	67	63	62	58

ppv: peak particle velocity; Max: maximum; avg: average; ft: feet
Source: USEPA 1971 (Calculations can be found in Attachment B).

TABLE 14
PHASE 2 CONSTRUCTION NOISE IMPACTS AT SENSITIVE USES

Equipment	Construction Noise Levels (dBA L_{eq})							
	Northwest – Orangewood Park		Northeast – Multifamily Residential (Torrey Pines)		Southeast – Single Family Residential Uses Along Sunset Avenue		Southwest – Edgewood High School	
	Max (515 ft)	Avg (580 ft)	Max (175 ft)	Avg (335 ft)	Max (950 ft)	Avg (1045 ft)	Max (417 ft)	Avg (440 ft)
Ground Clearing/Demolition	90	68	74	71	64	61	59	57
Excavation (Site Preparation)	64	63	73	67	67	65	58	58
Foundation Construction	69	68	78	72	72	70	63	63
Building Construction	58	57	67	61	61	59	52	52
Paving	67	66	76	70	70	68	61	61

ppv: peak particle velocity; Max: maximum; avg: average; ft: feet
Source: USEPA 1971 (Calculations can be found in Attachment B).

TABLE 15
PHASE LONG-TERM CONSTRUCTION NOISE LEVELS AT NOISE-SENSITIVE USES

Construction Phase	Noise Levels (L_{eq} dBA)							
	Northwest – Orangewood Park		Northeast – Multifamily Residential (Torrey Pines)		Southeast – Single Family Residential Uses Along Sunset Avenue		Southwest – Edgewood High School	
	Max (25 ft)	Avg (350 ft)	Max (635 ft)	Avg (800 ft)	Max (480 ft)	Avg (600 ft)	Max (417 ft)	Avg (440 ft)
Ground Clearing/Demolition								
Excavation	90	67	62	60	67	61	64	62
Foundation Construction	95	72	67	65	72	66	69	67
Building Construction	84	61	56	54	61	55	58	56
Paving and Site Cleanup	93	70	65	63	70	64	67	65

L_{eq} dBA: Average noise energy level; Max: maximum; avg: average; ft: feet
Note: Noise levels from construction activities do not take into account attenuation provided by intervening structures.
Source: USEPA 1971.

Tables 12 through 15 show both the maximum and average noise levels for construction equipment. Maximum noise levels represent the noise levels from construction equipment occurring nearest to the noise-sensitive use/receptor. Average noise levels represent the noise exposure to sensitive uses based on the distance to the center of the Project site. Because truck trips needed for export of the excavated soils and demolition debris at the Project site would occur over the construction period, it is anticipated that an average of 70 truck trips would be distributed over the course of the day. Noise level increases associated with construction-related truck trips are not anticipated to result in an audible (+5 dBA) change in noise levels due to the relatively small number of truck trips compared to existing traffic volumes. This noise impact would be less than significant due to the limited duration of occurrence and because construction traffic would be limited to the allowed hours of construction activity.

Noise from construction activities on site would intermittently exceed the ambient noise level by more than 5 dBA. The Project shall comply with the requirements established under Municipal Code Section 15-95 – Construction and Building Projects. This would require that Project construction activities be limited to the least noise-sensitive portions of the day and obtain a construction permit. Project construction activities would also affect existing hospital and office uses generally to a greater degree than off-site uses. As such, the Hospital has a vested interest in minimizing noise generation. Consequently, noise associated with Project-related construction would not result in significant impacts, and no mitigation is required.

Question NOI-5 **For a project located within an airport land use plan or, where such plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in exposure of people residing or working in the Project area to excessive noise levels?**

No Impact. The Project site is located approximately 7 miles northwest of the El Monte Municipal Airport. The Project site is also located well outside the existing and projected 65-dBA CNEL noise contour which would occur within 2 miles of an airport. Aircraft overflights do not significantly

contribute to the noise environment at the Project site, and the Project would not expose future Project residents to excessive noise levels. There would be no impact.

Question NOI-6 For a project within the vicinity of a private airstrip, would the Project result in exposure of people residing or working in the Project area to excessive noise levels?

No Impact. The Project site is not located within the vicinity of a private airstrip. Therefore, it would not result in exposure of people residing or working the in the Project area to excessive noise levels. There would be no impact.

MITIGATION MEASURES

No significant noise or vibration impacts would occur related to Project-related construction or operations phase. As such, no mitigation measures are needed.

CONCLUSION

The proposed Project was analyzed for potential noise and vibration impacts from both the construction and operational phases. The proposed Project would result in less than significant impacts in exposure of persons to noise levels as defined in the City of West Covina Noise Ordinance, West Covina's General Plan Noise Element, and the West Covina General Plan Environmental Impact Report. The Project would result in less than significant impacts for groundborne vibration and groundborne noise levels. The Project would not result in a substantial permanent or temporary increase in ambient noise levels in the Project vicinity above levels existing without the Project, and impacts would be less than significant. The Project would also not result in the exposure of people residing or working in the Project area to excessive noise levels from private or public airports. In conclusion, the Project would have no significant impacts for all Project-related noise and vibration impacts.

Thank you for the opportunity to assist on this Project. If you have any questions or comments, please contact me at (626) 351-2000.

Sincerely,

PSOMAS

Tin Cheung
Director of Air Quality, Climate Change and Noise Services

Attachments: A – Noise Measurement Data
B – Noise Calculations

REFERENCES

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ATTACHMENT A

NOISE MEASUREMENT DATA

Sound Level Meter Data at Location 1

Record #	Time	Run Duration	LAeq	LASmin	LASmax	LApeak (max)
35	10:00:00	00:01:00.0	62.1	52.9	70.2	83.5
36	10:01:00	00:01:00.0	65.4	56.2	72.6	86.6
37	10:02:00	00:01:00.0	63.8	52.0	69.9	85.7
38	10:03:00	00:01:00.0	67.4	54.8	78.3	91.3
39	10:04:00	00:01:00.0	61.7	53.9	67.8	80.4
40	10:05:00	00:01:00.0	65.8	57.4	70.9	88.6
41	10:06:00	00:01:00.0	60.2	54.8	65.5	78.8
42	10:07:00	00:01:00.0	62.2	54.9	67.9	82.8
43	10:08:00	00:01:00.0	65.2	54.9	70.5	83.8
44	10:09:00	00:01:00.0	63.9	51.5	73.0	86.8
45	10:10:00	00:01:00.0	62.9	55.4	71.3	84.0
46	10:11:00	00:01:00.0	66.1	58.2	70.6	84.5
47	10:12:00	00:01:00.0	65.3	50.4	71.7	83.9
48	10:13:00	00:01:00.0	65.1	58.2	68.0	82.8
49	10:14:00	00:01:00.0	65.8	55.2	75.4	85.6
50	10:15:00	00:01:00.0	64.8	53.5	69.8	82.0
51	10:16:00	00:01:00.0	65.1	53.1	73.5	85.4
52	10:17:00	00:01:00.0	66.3	54.5	72.5	84.9
53	10:18:00	00:01:00.0	69.6	51.5	81.4	93.2
54	10:19:00	00:01:00.0	62.9	53.0	68.0	82.7
55	10:20:00	00:01:00.0	64.5	52.8	73.7	88.4
56	10:21:00	00:01:00.0	69.6	54.1	83.6	99.9
57	10:22:00	00:01:00.0	63.2	53.7	69.5	81.7
58	10:23:00	00:01:00.0	62.6	49.9	67.9	82.5
59	10:24:00	00:01:00.0	66.4	54.4	75.8	86.6
60	10:25:00	00:01:00.0	60.4	52.1	67.8	82.5
61	10:26:00	00:01:00.0	63.0	50.3	67.8	83.5
62	10:27:00	00:01:00.0	63.4	51.4	67.7	82.2
63	10:28:00	00:01:00.0	64.4	54.8	70.9	84.7
64	10:29:00	00:01:00.0	64.2	48.5	70.1	85.4
65	10:30:00	00:01:00.0	64.6	50.8	73.7	84.2
66	10:31:00	00:01:00.0	64.6	55.9	71.6	83.8
67	10:32:00	00:01:00.0	62.8	52.8	68.2	83.4
68	10:33:00	00:01:00.0	63.2	50.1	69.0	83.0
69	10:34:00	00:01:00.0	62.0	51.0	67.7	79.2
70	10:35:00	00:01:00.0	65.7	57.6	70.5	85.1
71	10:36:00	00:01:00.0	62.9	51.3	67.8	83.2
72	10:37:00	00:01:00.0	64.2	53.3	68.4	83.3
73	10:38:00	00:01:00.0	64.4	54.8	69.2	83.1
74	10:39:00	00:01:00.0	63.0	49.6	68.3	84.3
75	10:40:00	00:01:00.0	61.9	56.3	66.9	82.4
76	10:41:00	00:01:00.0	65.6	54.7	68.8	82.3
77	10:42:00	00:01:00.0	62.2	50.4	66.9	80.6
78	10:43:00	00:01:00.0	63.7	54.1	68.3	85.4

79	10:44:00	00:01:00.0	64.5	55.0	71.4	84.4
80	10:45:00	00:01:00.0	58.0	50.0	64.8	84.2
81	10:46:00	00:01:00.0	62.3	53.8	69.2	84.4
82	10:47:00	00:01:00.0	65.7	59.8	68.5	83.4
83	10:48:00	00:01:00.0	64.6	52.2	71.4	83.4
84	10:49:00	00:01:00.0	64.9	55.4	70.1	86.5
85	10:50:00	00:01:00.0	72.0	59.5	83.8	101.3
86	10:51:00	00:01:00.0	64.9	52.3	69.5	84.6
87	10:52:00	00:01:00.0	63.6	53.3	69.9	82.6
88	10:53:00	00:01:00.0	66.5	58.8	72.2	87.2
89	10:54:00	00:01:00.0	61.7	55.8	66.8	81.3
90	10:55:00	00:01:00.0	61.7	50.6	66.3	80.7
91	10:56:00	00:01:00.0	61.2	50.5	66.8	79.4
92	10:57:00	00:01:00.0	64.4	56.6	67.3	80.8
93	10:58:00	00:01:00.0	63.6	55.9	68.2	83.8
94	10:59:00	00:01:00.0	68.3	52.4	80.9	93.5
95	11:00:00	00:01:00.0	64.9	54.9	80.5	93.5
96	11:01:00	00:01:00.0	66.2	57.8	69.2	85.5
97	11:02:00	00:01:00.0	66.2	58.7	71.9	85.1
98	11:03:00	00:01:00.0	63.3	53.2	70.3	87.4
99	11:04:00	00:01:00.0	60.9	54.0	68.0	81.7
100	11:05:00	00:01:00.0	68.2	54.1	77.9	91.7
101	11:06:00	00:01:00.0	63.8	52.2	71.8	85.3
102	11:07:00	00:01:00.0	63.9	52.3	68.0	81.6
103	11:08:00	00:01:00.0	61.6	53.8	68.0	82.9
104	11:09:00	00:01:00.0	64.6	52.3	74.0	87.3
105	11:10:00	00:01:00.0	65.6	50.3	71.7	84.5
106	11:11:00	00:01:00.0	65.9	52.9	70.5	86.2
107	11:12:00	00:01:00.0	61.2	54.6	65.9	81.7
108	11:13:00	00:01:00.0	68.6	52.5	80.1	89.9
109	11:14:00	00:01:00.0	64.6	57.0	69.2	84.1
110	11:15:00	00:01:00.0	64.6	51.5	73.4	86.0
111	11:16:00	00:01:00.0	64.3	56.3	67.7	84.4
112	11:17:00	00:01:00.0	67.8	57.9	77.3	89.9
113	11:18:00	00:01:00.0	64.5	54.7	72.5	86.9
114	11:19:00	00:01:00.0	64.7	56.4	69.9	84.9
115	11:20:00	00:01:00.0	63.1	50.9	70.9	83.8
116	11:21:00	00:01:00.0	62.8	52.8	69.9	82.4
117	11:22:00	00:01:00.0	60.0	52.7	66.7	79.8
118	11:23:00	00:01:00.0	64.9	59.5	68.1	84.1
119	11:24:00	00:01:00.0	63.5	52.5	73.8	87.5
120	11:25:00	00:01:00.0	63.2	57.4	67.4	81.0
121	11:26:00	00:01:00.0	65.2	55.4	72.7	92.4
122	11:27:00	00:01:00.0	60.6	53.4	68.5	83.0
123	11:28:00	00:01:00.0	64.7	52.6	71.1	87.3
124	11:29:00	00:01:00.0	66.7	56.7	74.9	87.4
125	11:30:00	00:01:00.0	64.9	54.9	72.9	87.1

126	11:31:00	00:01:00.0	64.3	58.4	68.9	85.1
127	11:32:00	00:01:00.0	63.8	54.6	69.1	83.8
128	11:33:00	00:01:00.0	67.0	58.1	71.8	84.8
129	11:34:00	00:01:00.0	61.1	52.0	65.4	82.5
130	11:35:00	00:01:00.0	63.7	54.3	71.8	94.8
131	11:36:00	00:01:00.0	64.2	56.0	69.4	82.1
132	11:37:00	00:01:00.0	62.0	57.8	66.5	82.8
133	11:38:00	00:01:00.0	68.9	55.6	78.6	90.7
134	11:39:00	00:01:00.0	67.1	55.7	74.5	87.7
135	11:40:00	00:01:00.0	63.5	56.0	67.1	81.2
136	11:41:00	00:01:00.0	65.5	55.3	71.3	85.0
137	11:42:00	00:01:00.0	64.1	56.7	70.1	89.0
138	11:43:00	00:01:00.0	65.7	58.2	71.1	84.7
139	11:44:00	00:01:00.0	63.8	53.9	69.3	83.4
140	11:45:00	00:01:00.0	65.0	55.7	74.1	86.7
141	11:46:00	00:01:00.0	68.5	53.5	79.0	92.9
142	11:47:00	00:01:00.0	61.6	53.9	73.1	84.4
143	11:48:00	00:01:00.0	65.2	55.2	69.8	82.4
144	11:49:00	00:01:00.0	66.8	57.2	78.8	92.1
145	11:50:00	00:01:00.0	63.1	56.1	67.2	80.5
146	11:51:00	00:01:00.0	65.3	55.4	68.3	86.3
147	11:52:00	00:01:00.0	62.7	55.8	68.3	80.7
148	11:53:00	00:01:00.0	66.0	56.3	70.9	85.4
149	11:54:00	00:01:00.0	60.5	54.0	65.7	78.9
150	11:55:00	00:01:00.0	60.4	56.3	65.1	77.7
151	11:56:00	00:01:00.0	66.2	54.9	72.7	87.8
152	11:57:00	00:01:00.0	62.7	52.6	67.0	82.7
153	11:58:00	00:01:00.0	60.3	52.5	67.6	81.5
154	11:59:00	00:01:00.0	62.6	55.8	68.5	83.0
155	12:00:00	00:01:00.0	66.2	58.1	71.7	84.8
156	12:01:00	00:01:00.0	64.5	55.6	69.9	85.4
157	12:02:00	00:01:00.0	64.7	58.2	67.7	83.7
158	12:03:00	00:01:00.0	61.6	52.3	67.8	80.1
159	12:04:00	00:01:00.0	66.3	53.5	77.6	87.7
160	12:05:00	00:01:00.0	64.1	51.9	67.4	82.3
161	12:06:00	00:01:00.0	63.9	57.8	68.5	83.3
162	12:07:00	00:01:00.0	65.4	56.6	69.1	83.8
163	12:08:00	00:01:00.0	63.1	54.1	67.8	82.8
164	12:09:00	00:01:00.0	64.3	52.4	74.4	91.2
165	12:10:00	00:01:00.0	63.6	57.9	72.0	90.0
166	12:11:00	00:01:00.0	64.5	55.0	68.8	88.0
167	12:12:00	00:01:00.0	64.8	55.1	70.6	88.0
168	12:13:00	00:01:00.0	60.9	53.6	68.0	81.0
169	12:14:00	00:01:00.0	64.6	52.8	74.7	86.9
170	12:15:00	00:01:00.0	61.8	54.5	66.3	80.6
171	12:16:00	00:01:00.0	62.7	54.4	68.4	80.7
172	12:17:00	00:01:00.0	63.9	52.5	69.2	84.0

173	12:18:00	00:01:00.0	62.3	54.1	65.9	82.8
174	12:19:00	00:01:00.0	58.7	53.3	64.4	76.5
175	12:20:00	00:01:00.0	67.4	54.6	75.2	87.5
176	12:21:00	00:01:00.0	60.3	52.7	67.0	84.1
177	12:22:00	00:01:00.0	66.1	55.0	72.0	84.2
178	12:23:00	00:01:00.0	63.4	53.5	71.0	83.6
179	12:24:00	00:01:00.0	63.1	51.5	68.8	81.9
180	12:25:00	00:01:00.0	62.5	50.1	68.6	82.1
181	12:26:00	00:01:00.0	60.6	53.6	68.1	80.7
182	12:27:00	00:01:00.0	64.4	52.8	69.0	82.3
183	12:28:00	00:01:00.0	64.7	55.2	73.6	86.8
184	12:29:00	00:01:00.0	60.2	51.5	65.8	79.8
185	12:30:00	00:01:00.0	64.4	56.2	69.9	82.1
186	12:31:00	00:01:00.0	65.5	56.7	72.1	84.3
187	12:32:00	00:01:00.0	62.3	53.3	67.3	82.2
188	12:33:00	00:01:00.0	64.6	53.0	70.4	85.7
189	12:34:00	00:01:00.0	63.6	52.0	70.1	85.7
190	12:35:00	00:01:00.0	66.1	51.7	75.9	90.0
191	12:36:00	00:01:00.0	67.0	57.6	75.7	89.5
192	12:37:00	00:01:00.0	62.9	53.9	69.7	81.9
193	12:38:00	00:01:00.0	66.0	56.6	70.6	84.2
194	12:39:00	00:01:00.0	65.6	57.6	71.8	86.2
195	12:40:00	00:01:00.0	64.5	56.1	72.5	93.2
196	12:41:00	00:01:00.0	67.0	55.1	70.2	85.0
197	12:42:00	00:01:00.0	62.9	52.8	70.6	83.4
198	12:43:00	00:01:00.0	65.7	53.6	70.6	83.2
199	12:44:00	00:01:00.0	63.2	55.7	68.1	81.4
200	12:45:00	00:01:00.0	65.6	60.9	68.3	83.6
201	12:46:00	00:01:00.0	63.3	52.8	69.1	81.6
202	12:47:00	00:01:00.0	65.9	53.9	72.4	85.5
203	12:48:00	00:01:00.0	63.9	53.7	68.3	82.8
204	12:49:00	00:01:00.0	64.8	55.1	69.1	84.1
205	12:50:00	00:01:00.0	65.5	55.3	69.6	83.1
206	12:51:00	00:01:00.0	60.9	54.0	66.6	81.6
207	12:52:00	00:01:00.0	63.6	54.0	69.6	83.4
208	12:53:00	00:01:00.0	72.1	53.1	86.5	100.8
209	12:54:00	00:01:00.0	63.4	51.1	69.2	82.4
210	12:55:00	00:01:00.0	64.9	58.4	68.4	84.1
211	12:56:00	00:01:00.0	63.7	52.6	68.8	85.9
212	12:57:00	00:01:00.0	63.6	56.1	68.5	80.9
213	12:58:00	00:01:00.0	63.3	53.3	68.6	82.3
214	12:59:00	00:01:00.0	62.9	54.3	69.1	84.1
215	13:00:00	00:01:00.0	64.2	54.1	73.4	84.3
216	13:01:00	00:01:00.0	66.6	54.2	72.5	85.2
217	13:02:00	00:01:00.0	61.7	50.8	66.7	83.8
218	13:03:00	00:01:00.0	64.0	57.1	68.1	82.1
219	13:04:00	00:01:00.0	63.2	54.7	69.0	84.0

220	13:05:00	00:01:00.0	67.5	61.1	74.9	90.6
221	13:06:00	00:01:00.0	66.4	54.0	75.4	87.5
222	13:07:00	00:01:00.0	60.4	53.4	65.9	79.4
223	13:08:00	00:01:00.0	65.4	55.7	71.9	84.8
224	13:09:00	00:01:00.0	63.6	56.1	67.6	82.0
225	13:10:00	00:01:00.0	61.5	53.9	65.3	84.5
226	13:11:00	00:01:00.0	66.3	58.8	71.2	84.9
227	13:12:00	00:01:00.0	63.8	57.7	71.3	85.3
228	13:13:00	00:01:00.0	66.1	58.6	69.9	82.7
229	13:14:00	00:01:00.0	61.7	51.4	67.4	83.6
230	13:15:00	00:01:00.0	62.6	53.3	70.5	83.0
231	13:16:00	00:01:00.0	65.6	54.1	73.2	90.9
232	13:17:00	00:01:00.0	63.0	51.1	68.4	86.2
233	13:18:00	00:01:00.0	64.3	55.1	68.4	81.7
234	13:19:00	00:01:00.0	64.6	53.2	67.9	85.1
235	13:20:00	00:01:00.0	61.1	51.6	68.6	79.9
236	13:21:00	00:01:00.0	63.5	52.4	69.6	84.5
237	13:22:00	00:01:00.0	64.5	55.0	73.1	84.3
238	13:23:00	00:01:00.0	66.0	53.1	74.7	86.7
239	13:24:00	00:01:00.0	64.2	53.8	68.1	82.9
240	13:25:00	00:01:00.0	62.9	53.3	66.8	81.0
241	13:26:00	00:01:00.0	63.4	56.7	68.3	81.5
242	13:27:00	00:01:00.0	71.2	53.2	81.9	95.1
243	13:28:00	00:01:00.0	64.0	56.9	68.2	84.6
244	13:29:00	00:01:00.0	63.2	54.2	68.8	83.4
245	13:30:00	00:01:00.0	65.5	53.2	69.7	84.2
246	13:31:00	00:01:00.0	66.0	54.6	73.9	86.1
247	13:32:00	00:01:00.0	63.6	54.9	73.6	85.9
248	13:33:00	00:01:00.0	64.4	56.3	67.7	84.6
249	13:34:00	00:01:00.0	60.6	52.9	66.1	80.6
250	13:35:00	00:01:00.0	64.9	49.7	73.6	86.7
251	13:36:00	00:01:00.0	63.4	54.0	73.3	86.5
252	13:37:00	00:01:00.0	67.3	55.0	74.0	85.9
253	13:38:00	00:01:00.0	60.8	52.7	65.8	78.7
254	13:39:00	00:01:00.0	64.3	56.9	68.8	84.8
255	13:40:00	00:01:00.0	61.9	57.4	67.6	83.1
256	13:41:00	00:01:00.0	65.1	54.1	69.1	83.6
257	13:42:00	00:01:00.0	63.5	54.6	68.6	81.4
258	13:43:00	00:01:00.0	65.5	57.7	69.5	84.1
259	13:44:00	00:01:00.0	62.0	54.9	66.9	83.7
260	13:45:00	00:01:00.0	65.2	53.1	72.3	85.1
261	13:46:00	00:01:00.0	70.6	61.3	79.5	98.0
262	13:47:00	00:01:00.0	63.7	53.7	71.0	83.7
263	13:48:00	00:01:00.0	63.0	55.9	67.3	82.1
264	13:49:00	00:01:00.0	67.2	56.0	71.6	84.3
265	13:50:00	00:01:00.0	63.0	55.8	67.6	80.9
266	13:51:00	00:01:00.0	63.5	52.5	69.7	86.3

267	13:52:00	00:01:00.0	65.9	52.8	74.5	88.4
268	13:53:00	00:01:00.0	63.7	51.2	74.2	88.5
269	13:54:00	00:01:00.0	67.6	57.8	72.4	85.2
270	13:55:00	00:01:00.0	64.4	59.7	68.3	83.2
271	13:56:00	00:01:00.0	64.2	50.8	70.1	86.8
272	13:57:00	00:01:00.0	61.5	52.3	66.9	81.4
273	13:58:00	00:01:00.0	60.1	52.8	66.0	78.7
274	13:59:00	00:01:00.0	67.1	54.0	76.2	91.1
275	14:00:00	00:01:00.0	65.7	56.5	72.8	85.2
276	14:01:00	00:01:00.0	64.3	54.6	74.2	85.5
277	14:02:00	00:01:00.0	66.8	57.6	76.0	86.6
278	14:03:00	00:01:00.0	63.1	53.7	69.7	83.2
279	14:04:00	00:01:00.0	67.0	61.0	72.3	83.9
280	14:05:00	00:01:00.0	63.9	57.9	67.8	81.6
281	14:06:00	00:01:00.0	66.2	55.3	77.1	88.7
282	14:07:00	00:01:00.0	67.6	56.7	77.1	91.3
283	14:08:00	00:01:00.0	63.5	54.8	69.6	85.2
284	14:09:00	00:01:00.0	64.1	55.3	68.1	81.4
285	14:10:00	00:01:00.0	69.5	57.0	78.9	91.5
286	14:11:00	00:01:00.0	63.8	52.9	68.9	83.1
287	14:12:00	00:01:00.0	64.4	55.5	69.2	83.6
288	14:13:00	00:01:00.0	65.6	56.3	69.6	85.5
289	14:14:00	00:01:00.0	64.9	55.6	69.0	83.1
290	14:15:00	00:01:00.0	61.3	52.5	69.4	82.0
291	14:16:00	00:01:00.0	63.4	53.4	68.6	84.3
292	14:17:00	00:01:00.0	64.8	53.2	70.9	86.4
293	14:18:00	00:01:00.0	59.5	54.4	65.8	77.8
294	14:19:00	00:01:00.0	67.4	56.5	73.0	85.9
295	14:20:00	00:01:00.0	62.7	55.4	68.7	85.1
296	14:21:00	00:01:00.0	64.5	53.8	69.9	83.2
297	14:22:00	00:01:00.0	63.6	53.9	69.2	81.2
298	14:23:00	00:01:00.0	61.5	53.0	67.9	82.4
299	14:24:00	00:01:00.0	67.7	54.6	72.2	85.8
300	14:25:00	00:01:00.0	63.9	56.5	72.6	85.6
301	14:26:00	00:01:00.0	66.9	58.0	72.5	85.8
302	14:27:00	00:01:00.0	67.3	56.2	77.7	90.2
303	14:28:00	00:01:00.0	63.7	55.3	69.7	84.5
304	14:29:00	00:01:00.0	65.1	57.5	67.8	83.2
305	14:30:00	00:01:00.0	65.2	54.5	69.6	87.4
306	14:31:00	00:01:00.0	65.5	58.3	72.8	88.8
307	14:32:00	00:01:00.0	65.2	55.0	74.1	89.6
308	14:33:00	00:01:00.0	69.7	61.9	76.9	89.3
309	14:34:00	00:01:00.0	64.5	54.9	71.5	87.4
310	14:35:00	00:01:00.0	64.3	56.7	69.8	84.8
311	14:36:00	00:01:00.0	64.3	56.5	72.1	85.4
312	14:37:00	00:01:00.0	64.7	55.7	69.2	86.4
313	14:38:00	00:01:00.0	65.5	54.9	75.4	89.1

314	14:39:00	00:01:00.0	66.8	57.5	72.7	87.0
315	14:40:00	00:01:00.0	65.4	55.6	70.2	86.6
316	14:41:00	00:01:00.0	69.7	62.1	78.5	92.3
317	14:42:00	00:01:00.0	68.1	57.8	75.2	88.7
318	14:43:00	00:01:00.0	62.6	55.4	67.0	85.3
319	14:44:00	00:01:00.0	65.2	57.9	69.1	87.9
320	14:45:00	00:01:00.0	66.0	59.1	70.2	86.3
321	14:46:00	00:01:00.0	69.9	57.0	75.6	90.3
322	14:47:00	00:01:00.0	70.1	56.7	79.4	92.5
323	14:48:00	00:01:00.0	65.9	58.5	73.3	87.2
324	14:49:00	00:01:00.0	69.6	64.8	75.9	88.2
325	14:50:00	00:01:00.0	64.0	55.5	67.6	88.1
326	14:51:00	00:01:00.0	67.4	63.6	71.2	86.3
327	14:52:00	00:01:00.0	67.3	55.0	80.4	94.5
328	14:53:00	00:01:00.0	66.7	57.3	69.6	81.7
329	14:54:00	00:01:00.0	67.7	57.0	79.2	90.7
330	14:55:00	00:01:00.0	62.6	53.6	67.0	82.6
331	14:56:00	00:01:00.0	63.7	55.3	67.2	80.4
332	14:57:00	00:01:00.0	68.1	52.3	74.7	86.3
333	14:58:00	00:01:00.0	66.3	54.0	75.5	89.9
334	14:59:00	00:01:00.0	71.4	52.2	84.4	93.8
335	15:00:00	00:01:00.0	64.6	53.7	68.2	83.0
336	15:01:00	00:01:00.0	65.8	56.9	71.6	85.6
337	15:02:00	00:01:00.0	66.0	55.8	70.4	84.8
338	15:03:00	00:01:00.0	63.2	52.6	69.3	84.2
339	15:04:00	00:01:00.0	66.1	54.8	69.3	83.7
340	15:05:00	00:01:00.0	64.8	58.5	67.7	81.8
341	15:06:00	00:01:00.0	65.4	57.7	69.9	85.2
342	15:07:00	00:01:00.0	67.8	52.2	79.9	94.6
343	15:08:00	00:01:00.0	63.8	59.6	68.5	82.6
344	15:09:00	00:01:00.0	65.0	57.6	68.8	83.6
345	15:10:00	00:01:00.0	63.2	59.8	65.9	79.3
346	15:11:00	00:01:00.0	64.2	55.7	70.0	85.8
347	15:12:00	00:01:00.0	64.0	57.9	66.3	81.2
348	15:13:00	00:01:00.0	66.3	55.0	71.1	83.6
349	15:14:00	00:01:00.0	65.3	52.7	73.9	89.2
350	15:15:00	00:01:00.0	69.0	59.2	80.3	94.9
351	15:16:00	00:01:00.0	66.2	55.9	74.5	84.6
352	15:17:00	00:01:00.0	66.7	52.2	78.1	90.0
353	15:18:00	00:01:00.0	67.6	61.1	72.5	87.4
354	15:19:00	00:01:00.0	62.3	55.4	70.3	85.3
355	15:20:00	00:01:00.0	66.6	61.1	69.1	83.5
356	15:21:00	00:01:00.0	60.1	53.1	65.4	80.4
357	15:22:00	00:01:00.0	67.5	63.2	71.3	83.8
358	15:23:00	00:01:00.0	64.8	54.6	70.5	83.7
359	15:24:00	00:01:00.0	65.6	62.2	69.8	82.8
360	15:25:00	00:01:00.0	66.2	55.8	69.5	82.8

361	15:26:00	00:01:00.0	65.6	56.1	70.2	83.1
362	15:27:00	00:01:00.0	70.0	63.2	78.3	90.2
363	15:28:00	00:01:00.0	63.6	56.7	68.0	80.5
364	15:29:00	00:01:00.0	62.8	52.9	67.0	81.4
365	15:30:00	00:01:00.0	65.4	60.4	67.2	81.9
366	15:31:00	00:01:00.0	62.3	55.5	68.0	83.4
367	15:32:00	00:01:00.0	65.9	60.5	68.3	82.9
368	15:33:00	00:01:00.0	63.3	53.5	69.1	82.6
369	15:34:00	00:01:00.0	64.3	57.9	69.4	82.7
370	15:35:00	00:01:00.0	64.3	54.5	72.5	88.9
371	15:36:00	00:01:00.0	67.3	57.4	72.5	86.2
372	15:37:00	00:01:00.0	59.0	51.2	64.8	78.2
373	15:38:00	00:01:00.0	66.4	57.1	71.3	84.3
374	15:39:00	00:01:00.0	63.3	56.0	71.7	81.2
375	15:40:00	00:01:00.0	67.2	56.5	72.4	84.5
376	15:41:00	00:01:00.0	63.0	55.9	67.8	82.4
377	15:42:00	00:01:00.0	67.4	59.6	71.2	85.5
378	15:43:00	00:01:00.0	60.9	54.2	67.9	79.3
379	15:44:00	00:01:00.0	65.6	58.6	69.5	83.4
380	15:45:00	00:01:00.0	61.4	54.5	66.3	81.2
381	15:46:00	00:01:00.0	66.8	61.7	69.3	84.2
382	15:47:00	00:01:00.0	64.7	54.7	70.1	83.3
383	15:48:00	00:01:00.0	70.3	55.2	81.2	99.9
384	15:49:00	00:01:00.0	67.2	58.0	74.8	87.3
385	15:50:00	00:01:00.0	63.6	57.7	68.3	81.0
386	15:51:00	00:01:00.0	68.8	63.6	73.0	85.9
387	15:52:00	00:01:00.0	69.2	57.1	78.3	91.0
388	15:53:00	00:01:00.0	60.7	53.4	65.3	82.5
389	15:54:00	00:01:00.0	66.9	53.2	70.3	83.8
390	15:55:00	00:01:00.0	62.6	57.4	67.4	83.2
391	15:56:00	00:01:00.0	66.0	57.1	69.7	83.0
392	15:57:00	00:01:00.0	65.9	54.4	73.8	89.6
393	15:58:00	00:01:00.0	66.9	57.5	69.8	83.4
394	15:59:00	00:01:00.0	63.4	56.9	68.6	84.5
395	16:00:00	00:01:00.0	66.5	57.9	70.0	84.7
396	16:01:00	00:01:00.0	65.3	55.1	70.1	83.1
397	16:02:00	00:01:00.0	64.4	52.6	71.6	87.9
398	16:03:00	00:01:00.0	63.4	54.1	70.8	83.9
399	16:04:00	00:01:00.0	67.1	62.7	70.4	82.8
400	16:05:00	00:01:00.0	64.1	51.5	68.1	84.3
401	16:06:00	00:01:00.0	65.5	53.6	68.6	85.9
402	16:07:00	00:01:00.0	69.0	55.4	79.9	94.7
403	16:08:00	00:01:00.0	63.6	56.7	68.0	80.4
404	16:09:00	00:01:00.0	66.0	58.2	70.0	84.2
405	16:10:00	00:01:00.0	64.6	56.3	68.8	84.6
406	16:11:00	00:01:00.0	66.7	60.7	68.7	86.8
407	16:12:00	00:01:00.0	62.9	56.4	67.4	83.4

408	16:13:00	00:01:00.0	66.6	56.7	69.8	82.6
409	16:14:00	00:01:00.0	79.0	60.7	91.3	101.3
410	16:15:00	00:01:00.0	64.4	58.1	72.8	84.0
411	16:16:00	00:01:00.0	63.9	55.8	67.0	80.1
412	16:17:00	00:01:00.0	62.6	55.7	68.3	81.4
413	16:18:00	00:01:00.0	67.2	64.0	70.5	83.0
414	16:19:00	00:01:00.0	62.2	56.9	67.2	80.2
415	16:20:00	00:01:00.0	68.0	63.7	70.9	85.6
416	16:21:00	00:01:00.0	67.9	57.2	75.8	89.8
417	16:22:00	00:01:00.0	67.0	58.8	70.7	84.6
418	16:23:00	00:01:00.0	64.5	57.2	68.2	82.0
419	16:24:00	00:01:00.0	66.4	63.5	68.8	84.4
420	16:25:00	00:01:00.0	60.6	54.5	65.0	81.8
421	16:26:00	00:01:00.0	65.5	59.2	69.5	83.6
422	16:27:00	00:01:00.0	65.0	56.2	69.4	84.4
423	16:28:00	00:01:00.0	67.1	62.8	69.2	82.9
424	16:29:00	00:01:00.0	61.2	53.7	65.7	83.4
425	16:30:00	00:01:00.0	68.8	59.3	75.9	88.8
426	16:31:00	00:01:00.0	62.4	57.4	66.9	80.3
427	16:32:00	00:01:00.0	66.8	63.6	69.3	82.5
428	16:33:00	00:01:00.0	62.1	56.1	70.1	83.3
429	16:34:00	00:01:00.0	68.1	63.4	72.4	84.7
430	16:35:00	00:01:00.0	65.5	58.8	70.3	83.5
431	16:36:00	00:01:00.0	65.3	56.6	69.3	81.7
432	16:37:00	00:01:00.0	64.8	57.4	69.3	80.7
433	16:38:00	00:01:00.0	66.4	57.5	69.3	85.3
434	16:39:00	00:01:00.0	63.3	56.3	68.9	81.6
435	16:40:00	00:01:00.0	70.9	61.9	81.5	101.1
436	16:41:00	00:01:00.0	62.9	55.5	67.9	83.1
437	16:42:00	00:01:00.0	66.5	59.9	69.6	84.2
438	16:43:00	00:01:00.0	63.3	53.3	67.9	81.9
439	16:44:00	00:01:00.0	68.6	53.9	77.0	91.0
440	16:45:00	00:01:00.0	64.4	54.6	74.9	91.0
441	16:46:00	00:01:00.0	63.4	54.2	68.0	82.2
442	16:47:00	00:01:00.0	67.5	58.6	72.8	85.6
443	16:48:00	00:01:00.0	61.4	53.9	67.9	79.4
444	16:49:00	00:01:00.0	66.5	55.5	70.0	82.4
445	16:50:00	00:01:00.0	64.7	56.1	69.3	81.5
446	16:51:00	00:01:00.0	68.6	63.3	71.5	85.5
447	16:52:00	00:01:00.0	61.4	52.1	66.7	80.1
448	16:53:00	00:01:00.0	66.3	58.4	70.3	85.1
449	16:54:00	00:01:00.0	64.5	56.5	69.9	84.0
450	16:55:00	00:01:00.0	59.0	52.5	66.2	83.9
451	16:56:00	00:01:00.0	68.1	54.4	73.8	87.5
452	16:57:00	00:01:00.0	66.9	56.2	70.7	84.3
453	16:58:00	00:01:00.0	64.5	55.5	70.9	83.7
454	16:59:00	00:01:00.0	63.0	53.4	68.8	84.1

455	17:00:00	00:01:00.0	67.9	58.8	73.9	87.1
456	17:01:00	00:01:00.0	64.9	55.7	70.4	82.2
457	17:02:00	00:01:00.0	65.3	59.5	69.3	82.3
458	17:03:00	00:01:00.0	63.2	55.6	68.1	82.7
459	17:04:00	00:01:00.0	68.8	63.8	72.8	84.8
460	17:05:00	00:01:00.0	66.2	55.8	71.0	84.8
461	17:06:00	00:01:00.0	66.2	54.8	69.9	83.4
462	17:07:00	00:01:00.0	64.9	54.6	68.7	83.1
463	17:08:00	00:01:00.0	67.8	60.9	74.6	87.7
464	17:09:00	00:01:00.0	66.8	56.8	71.6	85.2
465	17:10:00	00:01:00.0	65.8	58.9	70.5	83.1
466	17:11:00	00:01:00.0	69.3	57.4	78.1	91.3
467	17:12:00	00:01:00.0	64.6	53.5	73.1	85.7
468	17:13:00	00:01:00.0	64.0	54.9	70.0	82.3
469	17:14:00	00:01:00.0	64.7	54.2	71.4	84.6
470	17:15:00	00:01:00.0	60.6	51.9	66.1	79.2
471	17:16:00	00:01:00.0	66.7	62.4	69.2	82.3
472	17:17:00	00:01:00.0	62.7	56.3	70.8	88.3
473	17:18:00	00:01:00.0	66.7	61.1	69.8	83.8
474	17:19:00	00:01:00.0	65.9	56.7	73.3	89.4
475	17:20:00	00:01:00.0	66.2	58.3	69.6	82.2
476	17:21:00	00:01:00.0	63.7	54.6	67.6	81.6
477	17:22:00	00:01:00.0	73.0	54.2	85.2	100.2
478	17:23:00	00:01:00.0	65.2	58.3	69.7	82.6
479	17:24:00	00:01:00.0	66.5	60.8	71.8	86.2
480	17:25:00	00:01:00.0	66.7	58.9	73.2	87.2
481	17:26:00	00:01:00.0	63.4	54.8	69.4	82.8
482	17:27:00	00:01:00.0	69.2	65.8	75.2	87.9
483	17:28:00	00:01:00.0	63.2	53.5	68.1	81.8
484	17:29:00	00:01:00.0	66.2	54.9	72.3	84.5
485	17:30:00	00:01:00.0	63.1	54.6	67.2	81.1
486	17:31:00	00:01:00.0	62.3	51.5	68.2	81.3
487	17:32:00	00:01:00.0	66.5	60.2	70.2	84.5
488	17:33:00	00:01:00.0	63.0	52.2	68.1	82.8
489	17:34:00	00:01:00.0	65.4	57.2	69.4	83.1
490	17:35:00	00:01:00.0	62.8	54.3	66.0	83.0
491	17:36:00	00:01:00.0	65.2	58.7	68.8	82.1
492	17:37:00	00:01:00.0	66.8	56.5	71.2	83.6
493	17:38:00	00:01:00.0	63.9	54.5	67.8	81.7
494	17:39:00	00:01:00.0	67.6	55.4	71.2	84.6
495	17:40:00	00:01:00.0	63.8	55.6	68.8	82.1
496	17:41:00	00:01:00.0	64.3	53.9	70.8	84.1
497	17:42:00	00:01:00.0	65.0	55.8	68.5	81.5
498	17:43:00	00:01:00.0	57.6	52.9	62.4	77.3
499	17:44:00	00:01:00.0	71.6	58.6	81.1	94.9
500	17:45:00	00:01:00.0	63.3	56.6	77.2	92.7
501	17:46:00	00:01:00.0	67.2	56.6	71.4	84.2

502	17:47:00	00:01:00.0	63.1	54.7	67.6	82.5
503	17:48:00	00:01:00.0	66.5	62.0	70.7	83.8
504	17:49:00	00:01:00.0	64.1	52.6	68.5	81.1
505	17:50:00	00:01:00.0	65.2	56.2	67.9	80.8
506	17:51:00	00:01:00.0	64.7	53.8	69.6	83.7
507	17:52:00	00:01:00.0	64.0	53.8	69.0	81.0
508	17:53:00	00:01:00.0	67.9	58.8	72.6	86.4
509	17:54:00	00:01:00.0	65.8	57.9	70.4	82.4
510	17:55:00	00:01:00.0	65.9	58.8	70.3	82.7
511	17:56:00	00:01:00.0	63.6	56.4	67.0	80.2
512	17:57:00	00:01:00.0	64.3	56.5	70.5	87.6
513	17:58:00	00:01:00.0	68.7	62.6	74.5	89.0
514	17:59:00	00:01:00.0	59.0	50.7	63.4	79.9
515	18:00:00	00:01:00.0	67.4	61.6	70.1	83.2
516	18:01:00	00:01:00.0	63.4	55.4	67.6	84.5
517	18:02:00	00:01:00.0	66.3	58.5	69.6	89.1
518	18:03:00	00:01:00.0	63.2	57.5	67.2	89.8
519	18:04:00	00:01:00.0	66.8	63.4	69.4	84.7
520	18:05:00	00:01:00.0	71.3	58.2	82.9	94.9
521	18:06:00	00:01:00.0	66.7	55.9	71.0	83.7
522	18:07:00	00:01:00.0	74.3	55.0	85.6	96.3
523	18:08:00	00:01:00.0	66.3	58.2	72.9	86.9
524	18:09:00	00:01:00.0	67.1	55.1	71.4	85.7
525	18:10:00	00:01:00.0	67.6	52.8	79.5	92.8
526	18:11:00	00:01:00.0	61.7	52.1	67.3	83.2
527	18:12:00	00:01:00.0	66.3	55.5	73.8	89.5
528	18:13:00	00:01:00.0	65.6	53.6	68.9	82.4
529	18:14:00	00:01:00.0	67.0	61.1	75.1	90.8
530	18:15:00	00:01:00.0	66.3	55.0	72.9	85.2
531	18:16:00	00:01:00.0	67.4	58.9	74.1	89.7
532	18:17:00	00:01:00.0	65.6	55.2	68.8	82.7
533	18:18:00	00:01:00.0	63.7	53.7	66.4	83.5
534	18:19:00	00:01:00.0	65.7	53.7	73.4	85.0
535	18:20:00	00:01:00.0	64.2	56.8	68.0	82.2
536	18:21:00	00:01:00.0	66.4	60.5	74.4	86.6
537	18:22:00	00:01:00.0	63.4	53.3	69.4	83.1
538	18:23:00	00:01:00.0	73.2	53.3	89.2	104.7
539	18:24:00	00:01:00.0	73.8	59.8	90.4	105.6
540	18:25:00	00:01:00.0	62.9	57.5	66.9	81.6
541	18:26:00	00:01:00.0	62.7	54.1	66.2	83.6
542	18:27:00	00:01:00.0	63.8	54.3	68.5	80.4
543	18:28:00	00:01:00.0	67.3	62.7	73.5	87.9
544	18:29:00	00:01:00.0	65.2	53.0	68.9	81.6
545	18:30:00	00:01:00.0	67.0	63.2	70.6	83.3
546	18:31:00	00:01:00.0	62.2	56.7	65.8	78.4
547	18:32:00	00:01:00.0	66.7	63.5	69.2	82.4
548	18:33:00	00:01:00.0	62.6	58.0	67.6	80.8

549	18:34:00	00:01:00.0	67.5	57.7	77.7	87.9
550	18:35:00	00:01:00.0	65.3	58.1	74.8	85.3
551	18:36:00	00:01:00.0	66.1	58.0	73.2	84.7
552	18:37:00	00:01:00.0	66.3	56.4	74.3	98.8
553	18:38:00	00:01:00.0	68.3	64.7	75.8	88.0
554	18:39:00	00:01:00.0	59.6	52.7	66.3	82.1
555	18:40:00	00:01:00.0	65.9	57.5	69.1	83.2
556	18:41:00	00:01:00.0	66.9	62.0	69.2	84.9
557	18:42:00	00:01:00.0	61.6	54.3	67.0	85.1
558	18:43:00	00:01:00.0	72.0	56.4	84.1	97.6
559	18:44:00	00:01:00.0	60.6	53.6	67.1	90.0
560	18:45:00	00:01:00.0	66.6	55.0	71.9	86.5
561	18:46:00	00:01:00.0	66.7	54.5	75.3	86.1
562	18:47:00	00:01:00.0	81.2	64.7	94.2	102.8
563	18:48:00	00:01:00.0	65.1	55.4	68.7	82.9
564	18:49:00	00:01:00.0	63.1	53.9	72.5	86.1
565	18:50:00	00:01:00.0	66.0	55.5	69.0	84.3
566	18:51:00	00:01:00.0	64.3	54.7	69.2	81.8
567	18:52:00	00:01:00.0	66.4	55.1	71.6	84.3
568	18:53:00	00:01:00.0	64.9	55.5	71.4	84.2
569	18:54:00	00:01:00.0	68.7	56.3	75.7	88.9
570	18:55:00	00:01:00.0	64.7	53.1	71.9	85.5
571	18:56:00	00:01:00.0	63.8	53.1	67.8	80.9
572	18:57:00	00:01:00.0	64.9	56.2	71.3	86.1
573	18:58:00	00:01:00.0	66.6	56.3	72.8	86.3
574	18:59:00	00:01:00.0	65.0	55.7	71.0	90.0
575	19:00:00	00:01:00.0	65.5	54.0	74.6	85.9
576	19:01:00	00:01:00.0	59.1	53.9	64.4	77.5
577	19:02:00	00:01:00.0	66.9	62.4	69.6	82.4
578	19:03:00	00:01:00.0	61.4	57.1	68.6	81.8
579	19:04:00	00:01:00.0	59.6	52.2	67.2	80.5
580	19:05:00	00:01:00.0	65.7	53.7	72.4	85.5
581	19:06:00	00:01:00.0	64.2	55.2	67.2	85.4
582	19:07:00	00:01:00.0	64.9	56.1	75.7	98.5
583	19:08:00	00:01:00.0	62.9	56.0	67.6	81.8
584	19:09:00	00:01:00.0	63.3	53.7	67.9	83.1
585	19:10:00	00:01:00.0	63.2	58.9	68.6	81.2
586	19:11:00	00:01:00.0	62.8	51.0	67.1	82.3
587	19:12:00	00:01:00.0	64.6	50.2	74.7	87.0
588	19:13:00	00:01:00.0	60.7	54.2	67.7	79.6
589	19:14:00	00:01:00.0	64.7	55.1	71.2	82.8
590	19:15:00	00:01:00.0	63.1	54.6	69.6	83.8
591	19:16:00	00:01:00.0	63.5	54.7	71.7	84.6
592	19:17:00	00:01:00.0	66.0	52.9	72.9	82.7
593	19:18:00	00:01:00.0	64.3	54.4	71.8	89.3
594	19:19:00	00:01:00.0	67.4	54.5	76.5	89.1
595	19:20:00	00:01:00.0	66.3	55.6	74.4	85.3

596	19:21:00	00:01:00.0	63.4	54.0	68.7	82.3
597	19:22:00	00:01:00.0	63.1	52.3	69.4	82.8
598	19:23:00	00:01:00.0	65.6	53.5	69.1	81.7
599	19:24:00	00:01:00.0	67.3	56.5	79.2	94.0
600	19:25:00	00:01:00.0	62.5	54.4	69.6	86.5
601	19:26:00	00:01:00.0	73.0	55.9	85.6	103.2
602	19:27:00	00:01:00.0	59.7	53.7	64.9	76.8
603	19:28:00	00:01:00.0	63.7	53.5	71.3	85.0
604	19:29:00	00:01:00.0	64.8	55.6	71.2	82.1
605	19:30:00	00:01:00.0	66.9	56.9	75.0	87.1
606	19:31:00	00:01:00.0	64.1	51.1	69.0	83.6
607	19:32:00	00:01:00.0	64.5	56.8	69.4	82.4
608	19:33:00	00:01:00.0	63.8	56.0	69.0	81.9
609	19:34:00	00:01:00.0	68.0	56.2	76.3	89.2
610	19:35:00	00:01:00.0	66.4	51.1	78.6	89.2
611	19:36:00	00:01:00.0	67.0	58.1	74.4	88.0
612	19:37:00	00:01:00.0	66.5	58.0	72.2	85.4
613	19:38:00	00:01:00.0	60.0	51.6	66.2	80.0
614	19:39:00	00:01:00.0	63.8	56.4	69.5	82.2
615	19:40:00	00:01:00.0	65.2	54.2	70.5	82.5
616	19:41:00	00:01:00.0	65.9	52.0	75.8	87.2
617	19:42:00	00:01:00.0	59.9	53.4	65.6	79.0
618	19:43:00	00:01:00.0	65.2	56.6	70.1	83.0
619	19:44:00	00:01:00.0	65.9	54.2	71.0	84.2
620	19:45:00	00:01:00.0	60.9	51.4	71.1	85.8
621	19:46:00	00:01:00.0	66.8	53.6	77.1	92.2
622	19:47:00	00:01:00.0	65.0	56.7	72.7	86.1
623	19:48:00	00:01:00.0	56.3	51.7	61.7	76.8
624	19:49:00	00:01:00.0	63.8	52.1	71.4	84.2
625	19:50:00	00:01:00.0	64.1	58.2	70.5	84.4
626	19:51:00	00:01:00.0	62.3	56.0	67.4	80.9
627	19:52:00	00:01:00.0	61.3	55.1	69.0	83.4
628	19:53:00	00:01:00.0	64.9	57.7	70.7	85.7
629	19:54:00	00:01:00.0	63.8	53.2	73.1	83.6
630	19:55:00	00:01:00.0	64.1	52.9	68.5	83.6
631	19:56:00	00:01:00.0	65.2	58.5	68.4	82.4
632	19:57:00	00:01:00.0	60.9	55.1	68.5	80.7
633	19:58:00	00:01:00.0	63.7	54.8	67.3	83.8
634	19:59:00	00:01:00.0	61.2	53.3	66.3	81.3
635	20:00:00	00:01:00.0	65.1	49.8	70.9	84.3
636	20:01:00	00:01:00.0	64.3	50.4	69.0	81.5
637	20:02:00	00:01:00.0	65.0	54.0	74.3	86.1
638	20:03:00	00:01:00.0	63.7	54.2	69.6	84.4
639	20:04:00	00:01:00.0	65.2	53.4	69.9	83.2
640	20:05:00	00:01:00.0	61.6	53.9	66.9	82.8
641	20:06:00	00:01:00.0	61.8	53.1	67.2	87.1
642	20:07:00	00:01:00.0	64.5	58.7	68.6	81.9

643	20:08:00	00:01:00.0	60.9	53.9	66.8	79.0
644	20:09:00	00:01:00.0	68.3	57.3	77.6	91.4
645	20:10:00	00:01:00.0	65.0	54.9	70.8	83.3
646	20:11:00	00:01:00.0	62.7	54.2	67.8	81.0
647	20:12:00	00:01:00.0	60.7	53.1	66.7	84.0
648	20:13:00	00:01:00.0	64.4	55.8	68.7	83.5
649	20:14:00	00:01:00.0	80.9	55.9	92.6	104.9
650	20:15:00	00:01:00.0	65.9	55.8	70.4	84.4
651	20:16:00	00:01:00.0	62.5	53.1	68.0	86.3
652	20:17:00	00:01:00.0	78.8	50.2	91.2	101.2
653	20:18:00	00:01:00.0	70.7	59.4	80.9	95.6
654	20:19:00	00:01:00.0	84.9	61.3	94.7	107.0
655	20:20:00	00:01:00.0	60.6	54.3	64.7	77.3
656	20:21:00	00:01:00.0	63.5	55.4	72.6	86.8
657	20:22:00	00:01:00.0	60.0	50.8	66.8	78.4
658	20:23:00	00:01:00.0	62.9	53.5	67.6	81.0
659	20:24:00	00:01:00.0	63.4	55.0	67.6	82.8
660	20:25:00	00:01:00.0	62.8	52.3	67.5	82.6
661	20:26:00	00:01:00.0	61.9	52.8	70.3	82.4
662	20:27:00	00:01:00.0	65.3	54.6	74.5	86.4
663	20:28:00	00:01:00.0	65.9	53.8	72.4	84.5
664	20:29:00	00:01:00.0	58.8	52.1	65.7	77.9
665	20:30:00	00:01:00.0	62.2	52.7	70.0	82.6
666	20:31:00	00:01:00.0	60.5	48.8	67.3	82.0
667	20:32:00	00:01:00.0	63.8	50.1	69.8	84.4
668	20:33:00	00:01:00.0	69.8	53.4	79.8	89.4
669	20:34:00	00:01:00.0	66.2	50.5	74.3	84.9
670	20:35:00	00:01:00.0	60.7	52.1	66.7	79.4
671	20:36:00	00:01:00.0	66.6	54.0	71.1	84.5
672	20:37:00	00:01:00.0	65.7	54.1	75.7	88.8
673	20:38:00	00:01:00.0	63.7	52.1	68.0	82.7
674	20:39:00	00:01:00.0	63.7	49.9	69.2	83.8
675	20:40:00	00:01:00.0	62.8	50.2	68.7	82.3
676	20:41:00	00:01:00.0	60.6	52.9	68.2	82.3
677	20:42:00	00:01:00.0	63.7	52.3	68.4	81.5
678	20:43:00	00:01:00.0	62.2	54.9	72.4	85.6
679	20:44:00	00:01:00.0	68.7	54.8	82.4	95.3
680	20:45:00	00:01:00.0	70.3	52.4	82.7	95.3
681	20:46:00	00:01:00.0	64.4	53.6	71.2	84.3
682	20:47:00	00:01:00.0	63.2	54.5	70.7	83.3
683	20:48:00	00:01:00.0	62.8	52.9	70.7	83.1
684	20:49:00	00:01:00.0	60.0	51.5	68.4	82.5
685	20:50:00	00:01:00.0	59.1	50.9	65.3	81.0
686	20:51:00	00:01:00.0	60.0	50.8	65.1	80.1
687	20:52:00	00:01:00.0	56.6	51.9	62.3	79.4
688	20:53:00	00:01:00.0	63.9	50.1	75.1	87.8
689	20:54:00	00:01:00.0	63.6	51.9	71.6	86.0

690	20:55:00	00:01:00.0	68.5	53.0	80.4	92.5
691	20:56:00	00:01:00.0	65.0	52.5	74.2	87.4
692	20:57:00	00:01:00.0	62.5	53.8	68.8	81.1
693	20:58:00	00:01:00.0	60.6	51.6	67.2	81.5
694	20:59:00	00:01:00.0	56.4	51.6	63.1	75.0
695	21:00:00	00:01:00.0	59.3	52.3	66.1	81.8
696	21:01:00	00:01:00.0	64.7	55.4	68.9	81.8
697	21:02:00	00:01:00.0	64.9	54.1	69.1	82.9
698	21:03:00	00:01:00.0	60.1	53.3	67.1	82.3
699	21:04:00	00:01:00.0	57.6	53.0	64.0	77.4
700	21:05:00	00:01:00.0	63.6	52.9	70.9	83.7
701	21:06:00	00:01:00.0	66.9	54.8	76.7	87.7
702	21:07:00	00:01:00.0	61.2	53.9	67.2	85.0
703	21:08:00	00:01:00.0	60.4	52.1	67.8	80.5
704	21:09:00	00:01:00.0	64.8	52.4	69.7	85.1
705	21:10:00	00:01:00.0	63.3	53.5	69.7	82.2
706	21:11:00	00:01:00.0	56.4	51.8	64.3	76.6
707	21:12:00	00:01:00.0	63.2	54.9	68.9	83.9
708	21:13:00	00:01:00.0	65.3	56.0	69.8	83.8
709	21:14:00	00:01:00.0	61.4	55.3	68.7	83.8
710	21:15:00	00:01:00.0	64.6	55.1	71.3	83.2
711	21:16:00	00:01:00.0	61.9	54.5	68.2	80.5
712	21:17:00	00:01:00.0	64.5	57.0	70.4	83.0
713	21:18:00	00:01:00.0	59.4	53.7	66.9	81.3
714	21:19:00	00:01:00.0	60.2	54.8	64.6	79.8
715	21:20:00	00:01:00.0	62.5	53.1	66.9	79.3
716	21:21:00	00:01:00.0	59.9	53.1	66.4	80.9
717	21:22:00	00:01:00.0	59.9	53.5	66.2	79.8
718	21:23:00	00:01:00.0	63.5	53.0	69.1	81.6
719	21:24:00	00:01:00.0	60.0	53.4	64.3	78.2
720	21:25:00	00:01:00.0	64.0	54.9	68.1	81.1
721	21:26:00	00:01:00.0	64.5	55.5	69.9	83.7
722	21:27:00	00:01:00.0	62.2	56.0	65.7	78.4
723	21:28:00	00:01:00.0	63.3	52.7	70.5	84.3
724	21:29:00	00:01:00.0	62.1	53.8	67.8	82.3
725	21:30:00	00:01:00.0	63.7	56.9	69.3	81.6
726	21:31:00	00:01:00.0	62.8	55.3	75.2	97.1
727	21:32:00	00:01:00.0	67.2	55.2	76.5	89.3
728	21:33:00	00:01:00.0	64.6	54.2	68.8	83.6
729	21:34:00	00:01:00.0	58.9	53.1	66.8	80.1
730	21:35:00	00:01:00.0	60.8	53.5	67.3	83.9
731	21:36:00	00:01:00.0	62.5	52.9	71.1	84.9
732	21:37:00	00:01:00.0	64.3	55.1	67.9	84.0
733	21:38:00	00:01:00.0	59.0	52.8	65.1	80.6
734	21:39:00	00:01:00.0	64.4	53.5	73.1	96.0
735	21:40:00	00:01:00.0	65.0	54.2	70.6	83.7
736	21:41:00	00:01:00.0	59.9	53.2	66.7	81.2

737	21:42:00	00:01:00.0	65.5	53.6	70.2	83.3
738	21:43:00	00:01:00.0	62.3	53.0	70.8	86.4
739	21:44:00	00:01:00.0	60.9	54.6	67.8	82.9
740	21:45:00	00:01:00.0	64.3	57.4	69.0	85.2
741	21:46:00	00:01:00.0	61.4	54.0	66.0	80.8
742	21:47:00	00:01:00.0	63.2	55.0	69.6	83.0
743	21:48:00	00:01:00.0	62.0	54.9	68.5	81.4
744	21:49:00	00:01:00.0	64.6	54.7	71.4	83.9
745	21:50:00	00:01:00.0	63.3	52.5	68.3	84.8
746	21:51:00	00:01:00.0	60.0	53.3	67.0	82.0
747	21:52:00	00:01:00.0	61.9	55.0	67.6	81.6
748	21:53:00	00:01:00.0	63.8	54.6	69.9	85.2
749	21:54:00	00:01:00.0	59.3	53.7	67.1	83.3
750	21:55:00	00:01:00.0	62.6	54.3	67.7	83.1
751	21:56:00	00:01:00.0	61.6	54.9	67.3	79.9
752	21:57:00	00:01:00.0	58.7	53.7	66.5	80.6
753	21:58:00	00:01:00.0	59.5	53.4	65.5	79.9
754	21:59:00	00:01:00.0	63.6	53.8	68.8	82.9
755	22:00:00	00:01:00.0	61.5	55.3	66.7	81.2
756	22:01:00	00:01:00.0	63.9	54.6	69.7	83.1
757	22:02:00	00:01:00.0	60.6	53.3	65.6	78.3
758	22:03:00	00:01:00.0	63.8	52.9	70.5	84.0
759	22:04:00	00:01:00.0	59.5	52.4	67.1	83.0
760	22:05:00	00:01:00.0	60.4	54.0	66.2	79.5
761	22:06:00	00:01:00.0	63.2	54.1	67.9	81.5
762	22:07:00	00:01:00.0	61.7	53.1	67.5	82.5
763	22:08:00	00:01:00.0	61.2	54.9	65.6	78.2
764	22:09:00	00:01:00.0	60.9	55.4	66.2	79.1
765	22:10:00	00:01:00.0	61.3	56.0	67.4	83.5
766	22:11:00	00:01:00.0	62.3	55.8	67.6	80.3
767	22:12:00	00:01:00.0	62.8	56.7	67.4	81.7
768	22:13:00	00:01:00.0	66.4	58.1	78.9	93.1
769	22:14:00	00:01:00.0	65.5	56.6	71.7	84.9
770	22:15:00	00:01:00.0	62.1	53.3	68.4	80.7
771	22:16:00	00:01:00.0	61.0	53.4	66.4	78.9
772	22:17:00	00:01:00.0	63.2	54.4	67.8	82.0
773	22:18:00	00:01:00.0	64.1	52.5	73.9	88.7
774	22:19:00	00:01:00.0	60.7	52.7	66.0	79.4
775	22:20:00	00:01:00.0	61.5	54.1	68.9	83.8
776	22:21:00	00:01:00.0	63.4	58.4	66.6	80.4
777	22:22:00	00:01:00.0	62.6	55.7	67.2	82.0
778	22:23:00	00:01:00.0	62.3	51.2	68.5	85.0
779	22:24:00	00:01:00.0	58.3	51.2	65.0	78.7
780	22:25:00	00:01:00.0	66.3	50.9	76.3	92.9
781	22:26:00	00:01:00.0	61.7	52.0	67.6	86.8
782	22:27:00	00:01:00.0	60.6	51.8	65.1	81.7
783	22:28:00	00:01:00.0	59.5	48.8	65.5	82.1

784	22:29:00	00:01:00.0	63.1	49.7	70.6	83.6
785	22:30:00	00:01:00.0	61.2	53.4	66.4	81.5
786	22:31:00	00:01:00.0	64.2	57.4	69.9	83.4
787	22:32:00	00:01:00.0	61.8	56.5	66.2	82.5
788	22:33:00	00:01:00.0	65.0	55.0	68.5	84.3
789	22:34:00	00:01:00.0	62.4	51.8	66.8	80.2
790	22:35:00	00:01:00.0	60.2	53.0	64.9	77.5
791	22:36:00	00:01:00.0	61.3	51.6	66.9	83.8
792	22:37:00	00:01:00.0	62.5	54.6	68.6	84.7
793	22:38:00	00:01:00.0	60.8	51.9	66.6	82.3
794	22:39:00	00:01:00.0	64.8	52.2	70.6	83.1
795	22:40:00	00:01:00.0	63.8	53.0	73.0	84.3
796	22:41:00	00:01:00.0	62.0	53.2	67.3	79.3
797	22:42:00	00:01:00.0	59.9	53.1	67.2	82.9
798	22:43:00	00:01:00.0	61.4	53.1	67.5	82.0
799	22:44:00	00:01:00.0	61.9	54.1	68.0	82.1
800	22:45:00	00:01:00.0	64.4	54.0	71.9	85.3
801	22:46:00	00:01:00.0	60.9	52.9	66.0	80.4
802	22:47:00	00:01:00.0	61.4	52.8	68.1	83.2
803	22:48:00	00:01:00.0	59.0	52.0	66.0	80.8
804	22:49:00	00:01:00.0	62.8	54.5	68.0	83.8
805	22:50:00	00:01:00.0	58.4	53.6	63.4	78.4
806	22:51:00	00:01:00.0	62.8	54.2	68.3	80.9
807	22:52:00	00:01:00.0	55.9	51.7	65.3	77.3
808	22:53:00	00:01:00.0	62.8	53.4	68.4	81.5
809	22:54:00	00:01:00.0	59.0	51.7	66.4	78.9
810	22:55:00	00:01:00.0	62.6	52.1	68.6	83.4
811	22:56:00	00:01:00.0	62.5	55.8	67.9	83.2
812	22:57:00	00:01:00.0	60.6	51.5	68.6	80.8
813	22:58:00	00:01:00.0	62.4	52.8	67.6	83.5
814	22:59:00	00:01:00.0	59.9	50.8	68.0	82.1
815	23:00:00	00:01:00.0	62.6	55.4	66.0	81.5
816	23:01:00	00:01:00.0	60.8	51.8	66.0	81.3
817	23:02:00	00:01:00.0	62.1	53.8	68.7	83.8
818	23:03:00	00:01:00.0	59.1	52.7	64.6	77.0
819	23:04:00	00:01:00.0	60.5	54.1	65.9	84.0
820	23:05:00	00:01:00.0	60.1	53.3	67.3	79.5
821	23:06:00	00:01:00.0	60.7	53.2	67.6	79.9
822	23:07:00	00:01:00.0	60.3	53.1	66.7	80.3
823	23:08:00	00:01:00.0	59.9	53.2	65.2	80.0
824	23:09:00	00:01:00.0	59.7	51.9	64.9	80.0
825	23:10:00	00:01:00.0	60.6	52.4	70.2	83.1
826	23:11:00	00:01:00.0	68.9	51.7	83.3	94.6
827	23:12:00	00:01:00.0	61.4	51.3	68.8	81.8
828	23:13:00	00:01:00.0	59.0	51.4	64.6	83.1
829	23:14:00	00:01:00.0	62.7	55.2	67.3	80.3
830	23:15:00	00:01:00.0	63.9	55.6	71.4	81.9

831	23:16:00	00:01:00.0	62.6	54.3	69.9	84.9
832	23:17:00	00:01:00.0	60.8	52.4	68.1	82.7
833	23:18:00	00:01:00.0	60.4	53.3	65.2	81.7
834	23:19:00	00:01:00.0	56.8	52.0	64.8	79.7
835	23:20:00	00:01:00.0	59.6	53.1	65.0	81.2
836	23:21:00	00:01:00.0	59.1	52.2	65.7	78.4
837	23:22:00	00:01:00.0	64.9	55.5	74.4	90.2
838	23:23:00	00:01:00.0	63.1	55.9	70.9	84.2
839	23:24:00	00:01:00.0	63.2	54.4	70.6	84.7
840	23:25:00	00:01:00.0	66.3	53.5	78.7	90.7
841	23:26:00	00:01:00.0	60.8	54.5	67.3	80.5
842	23:27:00	00:01:00.0	56.6	52.6	63.6	77.9
843	23:28:00	00:01:00.0	59.8	54.3	66.3	78.5
844	23:29:00	00:01:00.0	59.2	52.7	68.8	81.8
845	23:30:00	00:01:00.0	58.7	53.6	66.7	80.1
846	23:31:00	00:01:00.0	55.3	52.0	60.6	73.5
847	23:32:00	00:01:00.0	60.3	52.5	64.8	78.4
848	23:33:00	00:01:00.0	54.9	50.7	63.2	78.9
849	23:34:00	00:01:00.0	54.2	50.8	59.7	72.6
850	23:35:00	00:01:00.0	60.1	53.2	68.3	83.8
851	23:36:00	00:01:00.0	59.0	52.6	68.7	81.9
852	23:37:00	00:01:00.0	58.7	53.8	65.0	78.3
853	23:38:00	00:01:00.0	62.5	54.9	67.4	83.9
854	23:39:00	00:01:00.0	60.9	54.5	66.0	81.1
855	23:40:00	00:01:00.0	62.0	53.8	67.9	81.0
856	23:41:00	00:01:00.0	61.3	54.7	65.4	81.6
857	23:42:00	00:01:00.0	57.9	54.2	64.8	77.8
858	23:43:00	00:01:00.0	62.4	52.2	70.0	83.0
859	23:44:00	00:01:00.0	61.2	53.1	67.8	81.2
860	23:45:00	00:01:00.0	64.7	53.9	71.7	85.7
861	23:46:00	00:01:00.0	60.7	52.0	68.2	84.6
862	23:47:00	00:01:00.0	60.7	52.5	66.4	78.9
863	23:48:00	00:01:00.0	55.5	51.6	60.2	72.9
864	23:49:00	00:01:00.0	56.5	52.5	61.2	79.2
865	23:50:00	00:01:00.0	63.9	52.4	73.9	89.1
866	23:51:00	00:01:00.0	57.8	52.6	65.1	78.5
867	23:52:00	00:01:00.0	60.5	53.4	65.3	81.9
868	23:53:00	00:01:00.0	59.5	53.1	68.1	83.6
869	23:54:00	00:01:00.0	59.9	53.3	66.8	82.3
870	23:55:00	00:01:00.0	55.4	53.6	64.5	81.3
871	23:56:00	00:01:00.0	59.1	53.8	64.8	83.2
872	23:57:00	00:01:00.0	59.3	53.8	65.0	78.9
873	23:58:00	00:01:00.0	58.1	53.0	65.9	78.7
874	23:59:00	00:01:00.0	60.0	53.5	66.7	80.6
875	00:00:00	00:01:00.0	61.3	54.6	67.6	81.6
876	00:01:00	00:01:00.0	60.9	54.5	67.4	81.4
877	00:02:00	00:01:00.0	58.4	53.7	66.7	79.9

878	00:03:00	00:01:00.0	60.6	54.4	64.6	78.4
879	00:04:00	00:01:00.0	59.2	52.4	68.3	83.6
880	00:05:00	00:01:00.0	61.1	52.5	68.2	79.8
881	00:06:00	00:01:00.0	58.5	51.6	64.3	82.6
882	00:07:00	00:01:00.0	64.8	52.7	75.4	85.5
883	00:08:00	00:01:00.0	60.4	53.1	65.8	78.5
884	00:09:00	00:01:00.0	62.0	57.1	70.2	81.8
885	00:10:00	00:01:00.0	61.7	51.9	69.3	82.6
886	00:11:00	00:01:00.0	57.6	51.7	64.8	78.4
887	00:12:00	00:01:00.0	59.0	53.6	64.2	77.1
888	00:13:00	00:01:00.0	57.6	52.5	64.6	77.2
889	00:14:00	00:01:00.0	57.7	52.5	64.8	78.1
890	00:15:00	00:01:00.0	60.7	54.1	68.3	81.5
891	00:16:00	00:01:00.0	57.7	53.6	63.3	76.4
892	00:17:00	00:01:00.0	63.2	53.3	69.3	81.8
893	00:18:00	00:01:00.0	57.7	51.8	65.9	78.1
894	00:19:00	00:01:00.0	58.5	52.0	65.1	81.9
895	00:20:00	00:01:00.0	56.8	51.5	65.6	78.7
896	00:21:00	00:01:00.0	61.1	52.6	66.8	83.9
897	00:22:00	00:01:00.0	60.2	53.2	65.8	80.3
898	00:23:00	00:01:00.0	58.1	52.0	65.3	78.7
899	00:24:00	00:01:00.0	63.8	52.5	75.7	91.3
900	00:25:00	00:01:00.0	60.5	52.5	68.1	81.3
901	00:26:00	00:01:00.0	58.8	53.6	63.0	83.2
902	00:27:00	00:01:00.0	60.3	53.6	65.3	85.3
903	00:28:00	00:01:00.0	56.8	52.4	62.4	87.7
904	00:29:00	00:01:00.0	59.5	52.5	67.4	83.2
905	00:30:00	00:01:00.0	59.4	52.0	68.0	85.8
906	00:31:00	00:01:00.0	58.8	49.2	65.7	84.1
907	00:32:00	00:01:00.0	56.6	49.1	67.3	80.8
908	00:33:00	00:01:00.0	59.5	49.5	65.5	78.7
909	00:34:00	00:01:00.0	60.7	51.6	66.8	81.5
910	00:35:00	00:01:00.0	57.6	50.4	66.0	78.3
911	00:36:00	00:01:00.0	56.2	50.8	64.7	78.3
912	00:37:00	00:01:00.0	59.9	51.5	67.4	80.0
913	00:38:00	00:01:00.0	61.1	52.1	68.0	85.0
914	00:39:00	00:01:00.0	59.1	52.2	65.0	78.2
915	00:40:00	00:01:00.0	57.7	50.7	64.5	77.2
916	00:41:00	00:01:00.0	57.4	51.7	63.9	77.7
917	00:42:00	00:01:00.0	58.3	48.8	63.7	78.3
918	00:43:00	00:01:00.0	58.8	49.2	67.3	80.5
919	00:44:00	00:01:00.0	57.4	51.6	64.1	78.1
920	00:45:00	00:01:00.0	54.8	49.9	62.5	76.5
921	00:46:00	00:01:00.0	53.5	50.3	58.3	76.5
922	00:47:00	00:01:00.0	60.1	50.1	66.5	81.4
923	00:48:00	00:01:00.0	58.8	51.9	67.2	81.3
924	00:49:00	00:01:00.0	58.9	51.7	68.1	80.8

925	00:50:00	00:01:00.0	56.6	51.1	61.7	77.6
926	00:51:00	00:01:00.0	58.8	52.5	67.5	81.8
927	00:52:00	00:01:00.0	64.1	53.0	70.0	84.3
928	00:53:00	00:01:00.0	60.3	52.2	67.8	81.1
929	00:54:00	00:01:00.0	57.3	51.8	65.9	78.4
930	00:55:00	00:01:00.0	59.8	50.1	67.4	81.2
931	00:56:00	00:01:00.0	59.0	49.8	66.9	80.1
932	00:57:00	00:01:00.0	60.5	50.8	69.7	84.6
933	00:58:00	00:01:00.0	52.4	49.5	58.8	72.5
934	00:59:00	00:01:00.0	59.9	50.6	66.6	79.1
935	01:00:00	00:01:00.0	54.1	49.5	62.5	75.2
936	01:01:00	00:01:00.0	50.0	48.6	53.5	74.4
937	01:02:00	00:01:00.0	54.1	48.8	62.2	75.7
938	01:03:00	00:01:00.0	54.0	48.5	60.5	73.2
939	01:04:00	00:01:00.0	64.0	51.2	71.1	89.1
940	01:05:00	00:01:00.0	60.8	47.9	70.8	82.9
941	01:06:00	00:01:00.0	58.9	47.5	66.8	80.3
942	01:07:00	00:01:00.0	51.9	47.4	58.8	73.0
943	01:08:00	00:01:00.0	60.8	48.0	72.0	86.2
944	01:09:00	00:01:00.0	55.6	47.9	64.4	77.3
945	01:10:00	00:01:00.0	53.5	48.0	61.6	75.0
946	01:11:00	00:01:00.0	57.3	48.1	67.0	79.3
947	01:12:00	00:01:00.0	58.8	48.1	65.3	78.5
948	01:13:00	00:01:00.0	59.1	48.0	67.0	80.8
949	01:14:00	00:01:00.0	57.6	47.7	69.5	92.3
950	01:15:00	00:01:00.0	53.1	48.1	60.5	77.0
951	01:16:00	00:01:00.0	52.7	47.7	61.6	75.1
952	01:17:00	00:01:00.0	49.8	48.0	54.0	73.4
953	01:18:00	00:01:00.0	55.0	50.1	62.0	74.1
954	01:19:00	00:01:00.0	56.0	49.3	63.7	76.8
955	01:20:00	00:01:00.0	52.1	49.3	58.2	76.6
956	01:21:00	00:01:00.0	59.0	51.0	68.0	81.9
957	01:22:00	00:01:00.0	55.2	48.3	62.9	77.4
958	01:23:00	00:01:00.0	58.2	47.8	66.1	79.9
959	01:24:00	00:01:00.0	48.5	47.4	52.5	76.2
960	01:25:00	00:01:00.0	57.2	47.8	65.8	80.0
961	01:26:00	00:01:00.0	53.5	48.3	59.8	76.3
962	01:27:00	00:01:00.0	54.4	48.9	62.8	76.2
963	01:28:00	00:01:00.0	49.1	48.1	51.2	72.4
964	01:29:00	00:01:00.0	56.1	48.4	63.3	80.3
965	01:30:00	00:01:00.0	54.3	48.1	63.0	82.9
966	01:31:00	00:01:00.0	51.8	47.4	61.1	84.8
967	01:32:00	00:01:00.0	54.6	48.1	61.6	79.5
968	01:33:00	00:01:00.0	53.6	48.1	61.0	75.0
969	01:34:00	00:01:00.0	51.4	48.3	56.7	73.4
970	01:35:00	00:01:00.0	54.5	48.5	62.4	75.3
971	01:36:00	00:01:00.0	56.3	50.3	64.2	80.4

972	01:37:00	00:01:00.0	60.5	49.7	68.4	83.4
973	01:38:00	00:01:00.0	60.1	50.5	67.4	80.2
974	01:39:00	00:01:00.0	61.6	50.1	68.9	82.7
975	01:40:00	00:01:00.0	57.6	49.1	66.3	81.5
976	01:41:00	00:01:00.0	56.8	48.4	64.5	81.9
977	01:42:00	00:01:00.0	66.3	50.8	72.4	86.1
978	01:43:00	00:01:00.0	58.3	49.1	65.2	79.0
979	01:44:00	00:01:00.0	57.4	48.1	65.2	79.2
980	01:45:00	00:01:00.0	55.8	48.2	66.0	82.8
981	01:46:00	00:01:00.0	55.9	48.3	63.4	76.3
982	01:47:00	00:01:00.0	55.4	48.6	62.9	75.8
983	01:48:00	00:01:00.0	59.9	49.5	66.4	79.4
984	01:49:00	00:01:00.0	56.4	48.0	65.1	79.1
985	01:50:00	00:01:00.0	56.7	48.4	66.8	80.3
986	01:51:00	00:01:00.0	56.0	48.5	64.9	79.2
987	01:52:00	00:01:00.0	48.9	47.6	51.2	71.6
988	01:53:00	00:01:00.0	58.5	48.1	64.1	78.8
989	01:54:00	00:01:00.0	61.4	48.4	65.7	80.1
990	01:55:00	00:01:00.0	55.6	48.2	63.5	76.4
991	01:56:00	00:01:00.0	57.1	49.7	64.7	78.4
992	01:57:00	00:01:00.0	56.8	48.5	67.3	81.4
993	01:58:00	00:01:00.0	56.3	49.1	64.3	79.1
994	01:59:00	00:01:00.0	53.6	47.6	63.2	77.1
995	02:00:00	00:01:00.0	57.8	47.9	65.3	78.9
996	02:01:00	00:01:00.0	53.8	48.3	62.0	76.0
997	02:02:00	00:01:00.0	58.8	48.0	66.2	79.3
998	02:03:00	00:01:00.0	56.7	47.8	66.7	80.1
999	02:04:00	00:01:00.0	54.8	47.5	63.1	75.9
1000	02:05:00	00:01:00.0	54.0	48.1	63.0	81.4
1001	02:06:00	00:01:00.0	60.3	50.2	67.7	81.9
1002	02:07:00	00:01:00.0	60.4	49.2	70.1	82.9
1003	02:08:00	00:01:00.0	53.3	49.9	64.3	77.1
1004	02:09:00	00:01:00.0	56.5	49.1	62.8	79.9
1005	02:10:00	00:01:00.0	56.7	47.6	66.1	80.1
1006	02:11:00	00:01:00.0	58.1	49.3	63.3	76.7
1007	02:12:00	00:01:00.0	54.3	49.6	60.4	76.6
1008	02:13:00	00:01:00.0	59.0	49.7	65.0	78.3
1009	02:14:00	00:01:00.0	59.7	49.8	66.9	81.7
1010	02:15:00	00:01:00.0	49.3	47.9	51.8	74.6
1011	02:16:00	00:01:00.0	55.8	48.3	64.9	77.9
1012	02:17:00	00:01:00.0	55.5	50.6	62.7	75.3
1013	02:18:00	00:01:00.0	55.9	50.0	62.1	78.5
1014	02:19:00	00:01:00.0	50.5	49.6	52.0	74.3
1015	02:20:00	00:01:00.0	59.1	51.4	65.0	80.5
1016	02:21:00	00:01:00.0	56.2	49.2	66.4	80.2
1017	02:22:00	00:01:00.0	56.5	50.4	63.5	77.7
1018	02:23:00	00:01:00.0	59.7	51.4	67.9	84.1

1019	02:24:00	00:01:00.0	58.6	51.1	67.5	80.4
1020	02:25:00	00:01:00.0	61.9	51.4	69.3	81.7
1021	02:26:00	00:01:00.0	58.7	49.9	66.8	81.1
1022	02:27:00	00:01:00.0	57.0	49.5	65.5	77.2
1023	02:28:00	00:01:00.0	51.6	49.0	53.8	72.6
1024	02:29:00	00:01:00.0	51.8	49.3	56.9	71.8
1025	02:30:00	00:01:00.0	56.2	51.3	64.4	81.1
1026	02:31:00	00:01:00.0	61.5	53.0	69.6	81.9
1027	02:32:00	00:01:00.0	58.4	52.0	67.0	79.3
1028	02:33:00	00:01:00.0	56.9	51.5	63.7	77.1
1029	02:34:00	00:01:00.0	52.5	51.1	58.0	76.8
1030	02:35:00	00:01:00.0	55.6	50.6	63.9	76.6
1031	02:36:00	00:01:00.0	52.9	50.5	58.1	74.3
1032	02:37:00	00:01:00.0	56.2	49.8	62.7	75.5
1033	02:38:00	00:01:00.0	59.7	51.5	69.3	82.3
1034	02:39:00	00:01:00.0	55.7	49.7	64.4	79.9
1035	02:40:00	00:01:00.0	61.2	50.1	70.6	85.8
1036	02:41:00	00:01:00.0	60.9	47.7	70.1	84.3
1037	02:42:00	00:01:00.0	57.3	49.6	64.3	78.8
1038	02:43:00	00:01:00.0	58.1	50.2	63.2	77.0
1039	02:44:00	00:01:00.0	59.4	52.4	66.2	78.7
1040	02:45:00	00:01:00.0	56.9	51.6	61.3	74.5
1041	02:46:00	00:01:00.0	50.0	48.1	54.5	75.6
1042	02:47:00	00:01:00.0	50.4	48.2	53.6	74.6
1043	02:48:00	00:01:00.0	52.4	50.6	55.6	74.6
1044	02:49:00	00:01:00.0	57.5	50.1	69.3	83.3
1045	02:50:00	00:01:00.0	57.8	50.5	69.8	83.3
1046	02:51:00	00:01:00.0	59.5	51.7	66.4	80.0
1047	02:52:00	00:01:00.0	57.8	51.0	67.5	82.0
1048	02:53:00	00:01:00.0	53.7	49.1	60.9	74.2
1049	02:54:00	00:01:00.0	59.8	50.7	67.3	83.3
1050	02:55:00	00:01:00.0	55.9	49.8	64.0	77.7
1051	02:56:00	00:01:00.0	51.1	49.6	53.1	74.0
1052	02:57:00	00:01:00.0	53.8	51.6	55.9	74.6
1053	02:58:00	00:01:00.0	57.8	52.0	66.9	82.6
1054	02:59:00	00:01:00.0	53.3	49.8	56.1	75.0
1055	03:00:00	00:01:00.0	58.8	52.4	66.5	84.2
1056	03:01:00	00:01:00.0	55.9	49.0	66.4	81.3
1057	03:02:00	00:01:00.0	56.7	51.7	67.2	80.9
1058	03:03:00	00:01:00.0	58.9	48.9	66.6	80.3
1059	03:04:00	00:01:00.0	60.6	51.5	69.7	83.2
1060	03:05:00	00:01:00.0	68.0	52.3	81.7	94.7
1061	03:06:00	00:01:00.0	59.1	52.4	64.6	77.5
1062	03:07:00	00:01:00.0	53.7	49.2	57.6	73.5
1063	03:08:00	00:01:00.0	58.3	49.2	66.3	78.2
1064	03:09:00	00:01:00.0	56.2	50.9	63.6	76.6
1065	03:10:00	00:01:00.0	56.3	52.1	60.4	74.0

1066	03:11:00	00:01:00.0	53.4	50.6	56.0	73.7
1067	03:12:00	00:01:00.0	57.1	51.6	63.0	77.4
1068	03:13:00	00:01:00.0	56.0	51.8	62.5	77.6
1069	03:14:00	00:01:00.0	56.5	51.5	62.9	75.3
1070	03:15:00	00:01:00.0	54.6	50.8	60.5	74.0
1071	03:16:00	00:01:00.0	58.9	52.4	66.7	82.1
1072	03:17:00	00:01:00.0	54.5	52.6	57.5	73.0
1073	03:18:00	00:01:00.0	56.3	52.7	63.1	75.3
1074	03:19:00	00:01:00.0	62.7	53.6	73.5	88.4
1075	03:20:00	00:01:00.0	60.9	54.2	73.1	88.4
1076	03:21:00	00:01:00.0	57.0	53.6	63.0	79.8
1077	03:22:00	00:01:00.0	58.4	55.1	63.3	82.2
1078	03:23:00	00:01:00.0	56.5	54.3	61.7	76.9
1079	03:24:00	00:01:00.0	57.2	54.5	62.7	76.9
1080	03:25:00	00:01:00.0	59.8	53.7	63.9	79.5
1081	03:26:00	00:01:00.0	55.6	50.0	63.2	83.8
1082	03:27:00	00:01:00.0	59.3	50.7	67.1	80.1
1083	03:28:00	00:01:00.0	57.8	51.7	64.3	78.1
1084	03:29:00	00:01:00.0	54.6	51.1	60.8	74.7
1085	03:30:00	00:01:00.0	56.6	51.1	62.8	78.2
1086	03:31:00	00:01:00.0	59.6	51.5	65.3	84.2
1087	03:32:00	00:01:00.0	59.9	53.5	65.0	88.9
1088	03:33:00	00:01:00.0	59.8	54.2	65.4	79.5
1089	03:34:00	00:01:00.0	60.5	53.7	67.5	80.2
1090	03:35:00	00:01:00.0	59.3	53.0	66.1	78.5
1091	03:36:00	00:01:00.0	52.8	51.6	54.1	74.7
1092	03:37:00	00:01:00.0	60.1	51.0	66.9	80.3
1093	03:38:00	00:01:00.0	59.7	50.4	66.3	78.6
1094	03:39:00	00:01:00.0	63.7	52.6	71.6	86.8
1095	03:40:00	00:01:00.0	58.3	51.2	67.8	85.3
1096	03:41:00	00:01:00.0	57.4	52.8	65.0	77.4
1097	03:42:00	00:01:00.0	62.1	53.7	71.6	84.6
1098	03:43:00	00:01:00.0	59.1	53.7	66.4	79.3
1099	03:44:00	00:01:00.0	63.3	55.9	68.5	82.5
1100	03:45:00	00:01:00.0	60.1	55.4	65.4	78.8
1101	03:46:00	00:01:00.0	62.1	54.7	69.8	85.2
1102	03:47:00	00:01:00.0	59.5	55.2	65.0	84.2
1103	03:48:00	00:01:00.0	64.7	57.3	71.7	86.9
1104	03:49:00	00:01:00.0	59.9	54.0	64.5	83.5
1105	03:50:00	00:01:00.0	63.3	53.7	71.7	88.1
1106	03:51:00	00:01:00.0	61.0	53.1	68.0	81.0
1107	03:52:00	00:01:00.0	63.2	55.2	68.4	88.6
1108	03:53:00	00:01:00.0	61.9	53.0	69.6	83.2
1109	03:54:00	00:01:00.0	60.0	51.7	66.5	82.6
1110	03:55:00	00:01:00.0	59.5	51.1	69.1	87.9
1111	03:56:00	00:01:00.0	62.4	51.9	70.9	85.5
1112	03:57:00	00:01:00.0	59.0	52.3	66.2	81.3

1113	03:58:00	00:01:00.0	58.2	52.2	63.3	76.3
1114	03:59:00	00:01:00.0	59.9	51.4	66.1	79.6
1115	04:00:00	00:01:00.0	61.6	52.6	68.4	83.1
1116	04:01:00	00:01:00.0	57.0	51.2	63.9	77.1
1117	04:02:00	00:01:00.0	55.1	51.5	61.1	85.4
1118	04:03:00	00:01:00.0	55.8	51.8	62.0	74.6
1119	04:04:00	00:01:00.0	61.8	52.8	68.6	82.3
1120	04:05:00	00:01:00.0	59.9	51.8	68.6	81.4
1121	04:06:00	00:01:00.0	58.9	52.0	68.6	81.4
1122	04:07:00	00:01:00.0	54.8	51.7	60.6	73.2
1123	04:08:00	00:01:00.0	62.7	53.3	67.2	82.4
1124	04:09:00	00:01:00.0	58.6	51.8	66.2	80.6
1125	04:10:00	00:01:00.0	58.3	51.1	63.7	78.0
1126	04:11:00	00:01:00.0	59.1	53.1	66.2	79.8
1127	04:12:00	00:01:00.0	58.3	52.0	65.2	82.4
1128	04:13:00	00:01:00.0	59.8	53.8	64.6	77.1
1129	04:14:00	00:01:00.0	58.9	53.1	65.9	80.0
1130	04:15:00	00:01:00.0	61.3	54.4	67.4	83.0
1131	04:16:00	00:01:00.0	62.2	54.5	69.2	83.4
1132	04:17:00	00:01:00.0	60.9	53.1	67.3	82.0
1133	04:18:00	00:01:00.0	61.1	54.0	65.9	87.5
1134	04:19:00	00:01:00.0	60.0	52.0	66.6	82.1
1135	04:20:00	00:01:00.0	59.0	52.3	63.4	78.6
1136	04:21:00	00:01:00.0	56.6	52.6	62.7	83.3
1137	04:22:00	00:01:00.0	58.5	54.6	61.4	76.0
1138	04:23:00	00:01:00.0	63.0	55.8	69.4	81.6
1139	04:24:00	00:01:00.0	60.3	54.9	65.3	81.7
1140	04:25:00	00:01:00.0	57.3	52.3	62.3	78.2
1141	04:26:00	00:01:00.0	60.1	54.2	66.6	81.4
1142	04:27:00	00:01:00.0	61.2	54.4	66.2	81.2
1143	04:28:00	00:01:00.0	61.2	52.8	69.1	83.0
1144	04:29:00	00:01:00.0	60.6	52.9	66.7	79.4
1145	04:30:00	00:01:00.0	62.1	54.8	68.5	84.1
1146	04:31:00	00:01:00.0	62.9	55.2	68.5	82.0
1147	04:32:00	00:01:00.0	61.4	52.5	69.2	82.1
1148	04:33:00	00:01:00.0	57.7	53.6	64.7	78.4
1149	04:34:00	00:01:00.0	67.3	56.7	76.6	90.7
1150	04:35:00	00:01:00.0	63.5	56.0	69.6	83.2
1151	04:36:00	00:01:00.0	62.9	55.8	68.3	82.3
1152	04:37:00	00:01:00.0	63.1	53.9	69.1	82.6
1153	04:38:00	00:01:00.0	60.1	53.7	66.2	78.9
1154	04:39:00	00:01:00.0	65.4	52.7	74.7	87.2
1155	04:40:00	00:01:00.0	67.6	53.9	78.0	89.3
1156	04:41:00	00:01:00.0	61.5	54.6	68.5	82.2
1157	04:42:00	00:01:00.0	62.2	53.3	68.6	84.1
1158	04:43:00	00:01:00.0	60.0	53.3	66.1	80.7
1159	04:44:00	00:01:00.0	64.2	53.8	70.3	83.9

1160	04:45:00	00:01:00.0	65.9	56.4	71.4	84.7
1161	04:46:00	00:01:00.0	57.6	53.2	69.4	82.5
1162	04:47:00	00:01:00.0	64.0	55.1	69.7	83.9
1163	04:48:00	00:01:00.0	63.5	55.4	68.6	83.6
1164	04:49:00	00:01:00.0	62.8	54.3	67.4	79.4
1165	04:50:00	00:01:00.0	64.5	53.6	74.8	88.3
1166	04:51:00	00:01:00.0	64.3	55.8	69.9	82.8
1167	04:52:00	00:01:00.0	66.2	56.2	70.6	83.9
1168	04:53:00	00:01:00.0	64.0	54.5	72.0	85.1
1169	04:54:00	00:01:00.0	64.5	56.8	71.2	89.0
1170	04:55:00	00:01:00.0	64.9	54.6	75.6	88.4
1171	04:56:00	00:01:00.0	55.4	51.7	60.8	73.6
1172	04:57:00	00:01:00.0	62.0	50.9	67.7	82.5
1173	04:58:00	00:01:00.0	63.9	52.5	69.8	82.6
1174	04:59:00	00:01:00.0	57.2	50.4	64.4	80.2
1175	05:00:00	00:01:00.0	65.1	53.9	72.5	86.2
1176	05:01:00	00:01:00.0	60.1	53.2	64.7	78.1
1177	05:02:00	00:01:00.0	61.0	50.6	67.4	83.4
1178	05:03:00	00:01:00.0	63.0	49.5	69.5	83.0
1179	05:04:00	00:01:00.0	56.6	48.9	64.4	77.3
1180	05:05:00	00:01:00.0	67.1	52.2	76.2	90.5
1181	05:06:00	00:01:00.0	63.5	51.9	68.6	81.8
1182	05:07:00	00:01:00.0	62.3	50.8	69.2	82.8
1183	05:08:00	00:01:00.0	61.7	51.2	68.9	82.3
1184	05:09:00	00:01:00.0	61.5	53.0	68.7	84.0
1185	05:10:00	00:01:00.0	64.4	55.6	70.9	84.4
1186	05:11:00	00:01:00.0	57.4	49.8	66.5	79.1
1187	05:12:00	00:01:00.0	62.0	51.9	67.1	83.2
1188	05:13:00	00:01:00.0	63.0	51.8	68.9	82.5
1189	05:14:00	00:01:00.0	63.4	54.2	69.7	84.1
1190	05:15:00	00:01:00.0	65.5	50.3	73.4	86.8
1191	05:16:00	00:01:00.0	62.7	50.2	70.3	82.6
1192	05:17:00	00:01:00.0	54.7	48.6	62.3	75.6
1193	05:18:00	00:01:00.0	63.2	49.4	68.2	82.4
1194	05:19:00	00:01:00.0	60.8	50.0	67.0	81.9
1195	05:20:00	00:01:00.0	58.5	50.4	64.5	77.6
1196	05:21:00	00:01:00.0	63.2	53.7	66.7	80.5
1197	05:22:00	00:01:00.0	64.5	52.3	72.2	84.9
1198	05:23:00	00:01:00.0	59.5	50.5	63.7	79.4
1199	05:24:00	00:01:00.0	65.9	52.8	73.9	85.8
1200	05:25:00	00:01:00.0	57.9	48.7	63.2	77.8
1201	05:26:00	00:01:00.0	74.0	52.6	89.0	110.3
1202	05:27:00	00:01:00.0	71.1	53.6	89.1	110.3
1203	05:28:00	00:01:00.0	64.6	52.8	70.8	84.5
1204	05:29:00	00:01:00.0	60.2	52.5	65.9	78.8
1205	05:30:00	00:01:00.0	65.0	54.2	69.7	86.0
1206	05:31:00	00:01:00.0	64.1	54.3	73.5	84.8

1207	05:32:00	00:01:00.0	63.0	57.2	67.9	80.7
1208	05:33:00	00:01:00.0	62.6	55.1	69.9	82.8
1209	05:34:00	00:01:00.0	62.6	53.6	68.8	82.8
1210	05:35:00	00:01:00.0	63.8	56.9	69.0	82.2
1211	05:36:00	00:01:00.0	61.7	53.8	68.1	81.7
1212	05:37:00	00:01:00.0	62.5	53.6	69.7	80.9
1213	05:38:00	00:01:00.0	66.6	56.6	74.1	87.5
1214	05:39:00	00:01:00.0	64.3	54.6	70.2	85.0
1215	05:40:00	00:01:00.0	62.9	55.1	67.5	82.0
1216	05:41:00	00:01:00.0	67.2	55.5	73.6	86.3
1217	05:42:00	00:01:00.0	63.3	54.9	68.7	84.6
1218	05:43:00	00:01:00.0	65.8	56.8	71.4	87.3
1219	05:44:00	00:01:00.0	65.3	58.5	69.7	86.4
1220	05:45:00	00:01:00.0	64.3	52.8	67.8	82.7
1221	05:46:00	00:01:00.0	64.1	56.6	70.6	82.9
1222	05:47:00	00:01:00.0	67.3	56.8	72.5	84.8
1223	05:48:00	00:01:00.0	66.2	58.6	72.5	85.3
1224	05:49:00	00:01:00.0	64.4	55.3	69.2	86.9
1225	05:50:00	00:01:00.0	65.1	53.4	70.4	82.9
1226	05:51:00	00:01:00.0	65.0	55.4	69.2	83.1
1227	05:52:00	00:01:00.0	65.6	54.7	72.2	85.6
1228	05:53:00	00:01:00.0	63.2	53.6	69.5	85.4
1229	05:54:00	00:01:00.0	62.5	52.8	69.6	83.1
1230	05:55:00	00:01:00.0	61.1	53.4	67.5	84.8
1231	05:56:00	00:01:00.0	64.1	49.3	71.0	85.6
1232	05:57:00	00:01:00.0	62.5	52.3	67.8	81.9
1233	05:58:00	00:01:00.0	65.6	52.7	71.3	84.5
1234	05:59:00	00:01:00.0	69.0	52.9	81.2	93.8
1235	06:00:00	00:01:00.0	63.2	52.2	72.5	82.2
1236	06:01:00	00:01:00.0	65.1	51.3	71.2	84.7
1237	06:02:00	00:01:00.0	61.0	53.4	67.6	81.7
1238	06:03:00	00:01:00.0	65.6	50.4	69.5	83.9
1239	06:04:00	00:01:00.0	62.8	50.4	67.9	81.8
1240	06:05:00	00:01:00.0	64.0	52.3	70.9	87.3
1241	06:06:00	00:01:00.0	65.3	54.3	71.8	83.7
1242	06:07:00	00:01:00.0	64.5	55.4	68.1	85.2
1243	06:08:00	00:01:00.0	64.7	56.2	69.6	82.8
1244	06:09:00	00:01:00.0	69.2	56.3	79.7	93.7
1245	06:10:00	00:01:00.0	57.7	49.7	64.0	82.9
1246	06:11:00	00:01:00.0	64.6	50.4	69.3	87.5
1247	06:12:00	00:01:00.0	62.2	50.0	68.7	82.7
1248	06:13:00	00:01:00.0	63.1	51.4	69.2	81.1
1249	06:14:00	00:01:00.0	62.4	50.8	70.0	83.1
1250	06:15:00	00:01:00.0	67.2	50.9	77.5	90.8
1251	06:16:00	00:01:00.0	62.5	51.2	70.3	82.5
1252	06:17:00	00:01:00.0	63.3	49.5	70.0	84.8
1253	06:18:00	00:01:00.0	60.9	51.7	68.1	83.3

1254	06:19:00	00:01:00.0	65.0	51.5	68.9	82.5
1255	06:20:00	00:01:00.0	60.6	52.7	67.0	80.5
1256	06:21:00	00:01:00.0	60.9	50.9	66.4	80.1
1257	06:22:00	00:01:00.0	62.9	49.3	69.5	81.5
1258	06:23:00	00:01:00.0	65.5	53.9	71.7	84.5
1259	06:24:00	00:01:00.0	64.3	50.4	70.4	85.1
1260	06:25:00	00:01:00.0	64.0	49.4	70.2	83.6
1261	06:26:00	00:01:00.0	64.4	53.7	70.8	89.2
1262	06:27:00	00:01:00.0	63.9	56.8	69.9	89.2
1263	06:28:00	00:01:00.0	67.7	53.7	75.3	87.5
1264	06:29:00	00:01:00.0	62.8	55.6	71.1	83.0
1265	06:30:00	00:01:00.0	66.0	52.5	73.8	86.9
1266	06:31:00	00:01:00.0	66.9	60.6	74.9	85.7
1267	06:32:00	00:01:00.0	65.7	56.6	70.9	85.7
1268	06:33:00	00:01:00.0	62.6	56.1	66.4	80.6
1269	06:34:00	00:01:00.0	65.4	55.2	70.1	84.1
1270	06:35:00	00:01:00.0	61.9	53.5	67.7	84.1
1271	06:36:00	00:01:00.0	67.0	54.7	76.5	89.7
1272	06:37:00	00:01:00.0	64.6	54.2	75.0	88.3
1273	06:38:00	00:01:00.0	63.9	56.3	68.8	83.2
1274	06:39:00	00:01:00.0	63.4	53.9	70.0	84.7
1275	06:40:00	00:01:00.0	65.0	52.6	72.7	86.4
1276	06:41:00	00:01:00.0	62.4	52.8	69.5	82.6
1277	06:42:00	00:01:00.0	66.5	52.8	71.1	85.7
1278	06:43:00	00:01:00.0	63.9	52.2	71.4	84.3
1279	06:44:00	00:01:00.0	68.1	61.4	75.4	89.3
1280	06:45:00	00:01:00.0	61.9	51.5	66.6	81.6
1281	06:46:00	00:01:00.0	66.5	58.4	70.4	83.9
1282	06:47:00	00:01:00.0	62.8	57.1	67.1	82.3
1283	06:48:00	00:01:00.0	66.7	57.4	73.1	84.4
1284	06:49:00	00:01:00.0	63.5	57.7	70.0	83.8
1285	06:50:00	00:01:00.0	66.1	57.3	73.9	85.6
1286	06:51:00	00:01:00.0	69.4	65.4	73.7	86.8
1287	06:52:00	00:01:00.0	65.0	57.8	71.4	84.5
1288	06:53:00	00:01:00.0	66.9	56.6	70.7	83.6
1289	06:54:00	00:01:00.0	63.2	54.5	70.1	83.9
1290	06:55:00	00:01:00.0	62.1	55.1	66.7	80.2
1291	06:56:00	00:01:00.0	67.9	62.9	70.8	83.7
1292	06:57:00	00:01:00.0	65.4	55.5	71.4	84.2
1293	06:58:00	00:01:00.0	66.5	56.2	72.1	85.7
1294	06:59:00	00:01:00.0	65.6	56.7	69.9	85.8
1295	07:00:00	00:01:00.0	67.5	56.4	71.0	84.8
1296	07:01:00	00:01:00.0	64.8	56.7	70.6	82.9
1297	07:02:00	00:01:00.0	67.5	62.8	70.3	83.4
1298	07:03:00	00:01:00.0	63.0	58.1	68.7	81.1
1299	07:04:00	00:01:00.0	66.7	62.0	69.0	85.2
1300	07:05:00	00:01:00.0	63.9	56.0	69.4	81.0

1301	07:06:00	00:01:00.0	64.8	55.2	69.9	83.4
1302	07:07:00	00:01:00.0	66.3	56.9	70.1	83.4
1303	07:08:00	00:01:00.0	63.2	55.8	66.9	80.4
1304	07:09:00	00:01:00.0	66.6	55.8	71.6	85.6
1305	07:10:00	00:01:00.0	63.5	55.4	70.2	82.3
1306	07:11:00	00:01:00.0	66.6	57.0	70.2	84.4
1307	07:12:00	00:01:00.0	64.1	57.6	67.5	82.7
1308	07:13:00	00:01:00.0	67.4	62.2	69.5	84.7
1309	07:14:00	00:01:00.0	64.6	59.7	68.0	81.0
1310	07:15:00	00:01:00.0	64.8	56.7	70.5	85.8
1311	07:16:00	00:01:00.0	64.9	57.6	68.9	84.6
1312	07:17:00	00:01:00.0	64.5	55.5	70.2	83.3
1313	07:18:00	00:01:00.0	64.8	58.9	67.9	82.7
1314	07:19:00	00:01:00.0	67.5	56.6	71.3	84.7
1315	07:20:00	00:01:00.0	64.9	56.9	72.9	86.2
1316	07:21:00	00:01:00.0	61.1	55.5	67.3	83.2
1317	07:22:00	00:01:00.0	66.6	56.5	70.8	83.9
1318	07:23:00	00:01:00.0	65.2	57.0	69.7	83.4
1319	07:24:00	00:01:00.0	66.6	60.0	71.5	85.4
1320	07:25:00	00:01:00.0	68.8	59.0	76.0	91.6
1321	07:26:00	00:01:00.0	64.5	56.4	74.4	85.6
1322	07:27:00	00:01:00.0	68.2	60.0	71.5	83.5
1323	07:28:00	00:01:00.0	64.4	56.4	71.2	85.1
1324	07:29:00	00:01:00.0	67.1	57.2	71.7	84.2
1325	07:30:00	00:01:00.0	70.1	59.6	77.2	88.0
1326	07:31:00	00:01:00.0	64.1	57.1	70.3	82.9
1327	07:32:00	00:01:00.0	67.5	58.7	72.0	84.8
1328	07:33:00	00:01:00.0	67.4	59.4	71.3	87.1
1329	07:34:00	00:01:00.0	65.7	57.5	70.1	84.9
1330	07:35:00	00:01:00.0	68.6	57.9	77.5	90.5
1331	07:36:00	00:01:00.0	65.4	58.5	71.1	84.5
1332	07:37:00	00:01:00.0	67.3	60.3	69.5	86.4
1333	07:38:00	00:01:00.0	67.0	58.7	71.6	84.0
1334	07:39:00	00:01:00.0	68.1	63.9	70.3	84.1
1335	07:40:00	00:01:00.0	67.9	64.3	71.9	85.9
1336	07:41:00	00:01:00.0	65.7	57.8	69.1	89.4
1337	07:42:00	00:01:00.0	65.0	55.5	69.4	90.9
1338	07:43:00	00:01:00.0	69.1	62.7	73.0	89.8
1339	07:44:00	00:01:00.0	64.0	55.8	68.6	85.9
1340	07:45:00	00:01:00.0	67.7	59.8	70.5	84.5
1341	07:46:00	00:01:00.0	64.8	54.5	74.8	90.0
1342	07:47:00	00:01:00.0	65.4	52.2	77.1	90.2
1343	07:48:00	00:01:00.0	66.3	61.5	68.1	81.7
1344	07:49:00	00:01:00.0	67.2	62.0	69.6	82.6
1345	07:50:00	00:01:00.0	62.7	56.2	67.4	81.3
1346	07:51:00	00:01:00.0	67.4	56.8	70.3	83.3
1347	07:52:00	00:01:00.0	64.1	53.3	69.2	83.3

1348	07:53:00	00:01:00.0	63.2	53.3	71.9	85.5
1349	07:54:00	00:01:00.0	67.5	54.3	73.1	85.4
1350	07:55:00	00:01:00.0	65.1	55.4	68.6	82.2
1351	07:56:00	00:01:00.0	65.5	58.9	70.6	82.6
1352	07:57:00	00:01:00.0	66.5	58.0	71.1	84.4
1353	07:58:00	00:01:00.0	62.6	54.1	69.3	82.0
1354	07:59:00	00:01:00.0	67.1	55.7	71.3	84.7
1355	08:00:00	00:01:00.0	64.3	58.4	68.4	82.0
1356	08:01:00	00:01:00.0	65.3	53.8	72.9	84.5
1357	08:02:00	00:01:00.0	65.3	56.3	72.9	83.7
1358	08:03:00	00:01:00.0	64.9	58.2	70.6	83.8
1359	08:04:00	00:01:00.0	65.4	59.7	69.3	82.6
1360	08:05:00	00:01:00.0	64.8	54.2	70.8	83.0
1361	08:06:00	00:01:00.0	65.3	53.3	69.0	81.3
1362	08:07:00	00:01:00.0	68.0	60.4	71.1	84.0
1363	08:08:00	00:01:00.0	65.8	54.2	73.8	86.8
1364	08:09:00	00:01:00.0	66.1	58.8	71.6	85.2
1365	08:10:00	00:01:00.0	65.9	56.2	70.5	82.9
1366	08:11:00	00:01:00.0	62.5	55.5	67.4	80.1
1367	08:12:00	00:01:00.0	65.6	58.1	68.9	82.8
1368	08:13:00	00:01:00.0	64.4	53.0	70.5	83.0
1369	08:14:00	00:01:00.0	64.5	54.0	68.1	81.5
1370	08:15:00	00:01:00.0	67.9	64.3	69.8	86.2
1371	08:16:00	00:01:00.0	66.0	56.4	69.5	82.9
1372	08:17:00	00:01:00.0	58.0	54.6	65.3	78.1
1373	08:18:00	00:01:00.0	67.0	60.8	70.0	82.6
1374	08:19:00	00:01:00.0	66.4	58.1	70.3	83.5
1375	08:20:00	00:01:00.0	64.8	55.9	68.3	82.6
1376	08:21:00	00:01:00.0	66.8	56.0	69.8	83.7
1377	08:22:00	00:01:00.0	65.7	61.7	68.9	82.2
1378	08:23:00	00:01:00.0	61.1	54.5	67.0	80.0
1379	08:24:00	00:01:00.0	63.2	57.1	67.1	82.4
1380	08:25:00	00:01:00.0	67.4	54.7	70.5	85.7
1381	08:26:00	00:01:00.0	64.3	55.2	69.6	83.1
1382	08:27:00	00:01:00.0	67.8	54.6	71.9	85.6
1383	08:28:00	00:01:00.0	63.6	56.2	67.9	81.8
1384	08:29:00	00:01:00.0	66.5	55.2	71.9	84.9
1385	08:30:00	00:01:00.0	64.1	52.8	69.3	86.4
1386	08:31:00	00:01:00.0	71.2	53.3	84.5	97.1
1387	08:32:00	00:01:00.0	63.1	52.7	68.5	83.0
1388	08:33:00	00:01:00.0	66.6	53.5	70.9	86.4
1389	08:34:00	00:01:00.0	61.7	52.5	68.1	80.0
1390	08:35:00	00:01:00.0	64.1	52.9	68.9	82.7
1391	08:36:00	00:01:00.0	62.8	51.5	69.1	83.8
1392	08:37:00	00:01:00.0	67.0	60.3	69.3	85.2
1393	08:38:00	00:01:00.0	66.1	56.7	71.8	82.6
1394	08:39:00	00:01:00.0	67.6	57.4	71.2	85.7

1395	08:40:00	00:01:00.0	63.8	56.1	68.2	83.3
1396	08:41:00	00:01:00.0	63.3	51.9	69.6	82.8
1397	08:42:00	00:01:00.0	65.4	53.4	69.7	85.4
1398	08:43:00	00:01:00.0	67.1	53.4	71.4	85.3
1399	08:44:00	00:01:00.0	67.1	53.5	76.8	88.9
1400	08:45:00	00:01:00.0	70.0	54.1	79.6	91.8
1401	08:46:00	00:01:00.0	62.1	51.0	70.0	83.3
1402	08:47:00	00:01:00.0	66.6	57.1	70.3	83.8
1403	08:48:00	00:01:00.0	63.0	52.5	66.8	81.9
1404	08:49:00	00:01:00.0	66.5	57.4	69.8	83.3
1405	08:50:00	00:01:00.0	64.6	56.1	68.5	84.5
1406	08:51:00	00:01:00.0	59.5	52.6	65.7	83.3
1407	08:52:00	00:01:00.0	67.5	60.4	70.9	85.6
1408	08:53:00	00:01:00.0	57.1	48.2	63.1	76.3
1409	08:54:00	00:01:00.0	65.0	60.3	69.2	81.8
1410	08:55:00	00:01:00.0	63.8	51.2	67.9	80.6
1411	08:56:00	00:01:00.0	63.6	57.0	67.9	81.9
1412	08:57:00	00:01:00.0	64.8	54.6	69.8	83.6
1413	08:58:00	00:01:00.0	65.6	54.6	73.4	85.9
1414	08:59:00	00:01:00.0	68.2	53.4	75.3	89.5
1415	09:00:00	00:01:00.0	63.9	56.0	68.0	81.7
1416	09:01:00	00:01:00.0	65.6	58.4	68.4	81.7
1417	09:02:00	00:01:00.0	62.1	51.2	67.9	84.1
1418	09:03:00	00:01:00.0	64.4	57.5	68.9	83.3
1419	09:04:00	00:01:00.0	61.8	51.5	69.9	82.1
1420	09:05:00	00:01:00.0	70.9	50.4	83.8	96.3
1421	09:06:00	00:01:00.0	63.5	53.4	80.0	91.6
1422	09:07:00	00:01:00.0	63.9	52.5	71.8	86.8
1423	09:08:00	00:01:00.0	60.3	50.5	66.6	79.8
1424	09:09:00	00:01:00.0	66.9	60.9	72.1	85.1
1425	09:10:00	00:01:00.0	60.1	52.2	65.0	78.5
1426	09:11:00	00:01:00.0	67.9	57.5	75.2	87.0
1427	09:12:00	00:01:00.0	62.9	57.1	67.0	82.3
1428	09:13:00	00:01:00.0	71.7	55.2	82.0	96.8
1429	09:14:00	00:01:00.0	64.6	59.0	70.4	83.2
1430	09:15:00	00:01:00.0	66.7	58.1	70.9	87.2
1431	09:16:00	00:01:00.0	64.7	53.8	69.6	81.2
1432	09:17:00	00:01:00.0	64.9	52.1	68.6	82.9
1433	09:18:00	00:01:00.0	58.5	49.6	63.8	79.3
1434	09:19:00	00:01:00.0	62.9	52.8	68.2	81.3
1435	09:20:00	00:01:00.0	63.5	54.9	70.1	82.6
1436	09:21:00	00:01:00.0	67.0	56.7	71.1	84.8
1437	09:22:00	00:01:00.0	59.8	54.7	66.5	80.8
1438	09:23:00	00:01:00.0	65.7	49.1	70.7	83.1
1439	09:24:00	00:01:00.0	65.0	50.0	75.3	89.7
1440	09:25:00	00:01:00.0	69.3	59.7	76.1	89.6
1441	09:26:00	00:01:00.0	63.7	55.6	70.5	83.4

1442	09:27:00	00:01:00.0	65.2	56.5	68.8	83.4
1443	09:28:00	00:01:00.0	62.8	52.5	70.7	83.6
1444	09:29:00	00:01:00.0	65.4	51.4	71.1	85.1
1445	09:30:00	00:01:00.0	69.0	58.2	79.6	93.5
1446	09:31:00	00:01:00.0	66.0	52.0	70.3	83.5
1447	09:32:00	00:01:00.0	64.0	52.8	69.2	82.9
1448	09:33:00	00:01:00.0	63.5	50.7	70.8	85.6
1449	09:34:00	00:01:00.0	66.0	59.3	69.2	83.7
1450	09:35:00	00:01:00.0	64.5	53.7	68.7	84.0
1451	09:36:00	00:01:00.0	61.5	49.3	70.2	81.9
1452	09:37:00	00:01:00.0	66.6	52.2	73.7	89.1
1453	09:38:00	00:01:00.0	67.2	54.2	76.1	89.8
1454	09:39:00	00:01:00.0	65.9	54.9	69.9	83.8
1455	09:40:00	00:01:00.0	67.2	55.8	75.2	88.0
1456	09:41:00	00:01:00.0	64.8	53.5	70.0	85.2
1457	09:42:00	00:01:00.0	58.5	50.5	65.4	81.1
1458	09:43:00	00:01:00.0	66.4	58.3	69.5	86.7
1459	09:44:00	00:01:00.0	65.1	53.6	71.9	84.3
1460	09:45:00	00:01:00.0	65.4	52.5	69.8	83.3
1461	09:46:00	00:01:00.0	62.8	53.6	68.1	85.1
1462	09:47:00	00:01:00.0	66.6	52.4	74.0	88.8
1463	09:48:00	00:01:00.0	61.7	51.8	69.0	87.6
1464	09:49:00	00:01:00.0	62.7	52.6	67.7	82.1
1465	09:50:00	00:01:00.0	63.0	52.2	67.9	83.2
1466	09:51:00	00:01:00.0	57.0	51.3	63.6	75.6
1467	09:52:00	00:01:00.0	64.2	51.7	69.7	83.2
1468	09:53:00	00:01:00.0	64.1	51.3	72.6	85.6
1469	09:54:00	00:01:00.0	62.0	51.6	67.3	81.9
1470	09:55:00	00:01:00.0	64.0	55.5	69.9	81.4
1471	09:56:00	00:01:00.0	63.7	54.8	67.3	82.0
1472	09:57:00	00:01:00.0	66.6	60.4	69.6	83.4
1473	09:58:00	00:01:00.0	62.0	54.5	66.2	80.6
1474	09:59:00	00:01:00.0	65.8	53.9	73.5	84.3
1475	10:00:00	00:01:00.0	59.9	49.6	65.8	79.7
1476	10:01:00	00:01:00.0	66.5	54.1	71.7	84.7
1477	10:02:00	00:01:00.0	61.7	53.1	67.5	80.8
1478	10:03:00	00:01:00.0	62.6	55.4	68.5	90.1
1479	10:04:00	00:01:00.0	65.0	55.4	69.4	90.4
1480	10:05:00	00:01:00.0	64.3	50.9	68.3	82.4
1481	10:06:00	00:01:00.0	62.4	52.5	69.6	83.5
1482	10:07:00	00:01:00.0	64.2	51.4	69.1	85.4
1483	10:08:00	00:01:00.0	63.3	52.3	72.6	85.1
1484	10:09:00	00:01:00.0	67.2	56.5	71.2	83.2
1485	10:10:00	00:01:00.0	63.7	55.6	72.1	82.9
1486	10:11:00	00:01:00.0	67.0	54.6	73.5	85.6
1487	10:12:00	00:01:00.0	58.2	51.3	61.9	81.9
1488	10:13:00	00:01:00.0	65.1	54.8	74.7	86.7

1489	10:14:00	00:01:00.0	63.1	54.2	71.0	83.8
1490	10:15:00	00:01:00.0	69.5	53.2	83.6	96.5
1491	10:16:00	00:01:00.0	58.9	52.1	63.7	78.9
1492	10:17:00	00:01:00.0	61.6	51.3	67.0	80.0
1493	10:18:00	00:01:00.0	63.6	55.1	67.7	82.6
1494	10:19:00	00:01:00.0	64.2	53.9	68.8	84.2
1495	10:20:00	00:01:00.0	59.6	50.1	66.9	82.9
1496	10:21:00	00:01:00.0	65.8	52.1	69.2	85.9
1497	10:22:00	00:01:00.0	63.4	53.6	69.5	82.5
1498	10:23:00	00:01:00.0	63.7	49.9	70.3	86.1
1499	10:24:00	00:01:00.0	62.3	55.7	68.4	80.7
1500	10:25:00	00:01:00.0	65.0	53.4	73.0	89.0
1501	10:26:00	00:01:00.0	62.5	55.2	66.7	80.8
1502	10:27:00	00:01:00.0	63.2	54.4	66.8	82.7
1503	10:28:00	00:01:00.0	63.1	55.8	70.4	82.0
1504	10:29:00	00:01:00.0	66.7	53.3	76.9	88.4
1505	10:30:00	00:01:00.0	69.7	54.2	79.0	91.6
1506	10:31:00	00:01:00.0	60.9	53.2	66.7	81.1
1507	10:32:00	00:01:00.0	68.2	54.0	81.4	91.7
1508	10:33:00	00:01:00.0	64.9	54.0	69.4	82.6
1509	10:34:00	00:01:00.0	58.7	51.8	66.0	80.5
1510	10:35:00	00:01:00.0	65.0	53.8	68.8	83.6
1511	10:36:00	00:01:00.0	61.4	51.8	66.7	80.2
1512	10:37:00	00:01:00.0	65.8	56.7	72.3	84.7
1513	10:38:00	00:01:00.0	63.3	54.1	69.4	82.8
1514	10:39:00	00:01:00.0	65.2	52.9	70.9	84.1
1515	10:40:00	00:01:00.0	61.7	54.3	68.0	81.9
1516	10:41:00	00:01:00.0	65.6	53.4	69.3	81.7
1517	10:42:00	00:01:00.0	60.6	53.2	65.3	79.6
1518	10:43:00	00:01:00.0	62.3	51.9	69.8	83.7
1519	10:44:00	00:01:00.0	60.3	53.3	65.7	81.1
1520	10:45:00	00:01:00.0	66.1	58.2	77.7	99.9
1521	10:46:00	00:01:00.0	60.4	52.3	66.8	79.0
1522	10:47:00	00:01:00.0	64.6	55.6	69.0	86.3
1523	10:48:00	00:01:00.0	61.6	54.5	67.8	91.0
1524	10:49:00	00:01:00.0	66.7	58.6	70.0	86.0
1525	10:50:00	00:01:00.0	61.7	55.9	67.1	80.9
1526	10:51:00	00:01:00.0	62.8	52.7	67.3	83.1
1527	10:52:00	00:01:00.0	60.0	50.1	66.8	80.6
1528	10:53:00	00:01:00.0	65.1	53.1	71.1	84.4
1529	10:54:00	00:01:00.0	62.5	55.1	68.1	87.9
1530	10:55:00	00:01:00.0	81.4	56.2	92.8	103.7
1531	10:56:00	00:01:00.0	60.7	53.4	66.6	80.3
1532	10:57:00	00:01:00.0	66.4	52.3	78.1	88.1
1533	10:58:00	00:01:00.0	59.6	50.2	65.7	78.3
1534	10:59:00	00:01:00.0	60.7	51.2	65.8	83.3
1535	11:00:00	00:01:00.0	61.2	51.5	67.2	85.0

1536	11:01:00	00:01:00.0	63.8	54.4	69.5	83.4
1537	11:02:00	00:01:00.0	68.8	59.8	75.2	89.2
1538	11:03:00	00:01:00.0	62.7	52.0	69.6	83.2
1539	11:04:00	00:01:00.0	62.0	52.1	67.2	81.4
1540	11:05:00	00:01:00.0	64.2	55.2	69.4	83.4
1541	11:06:00	00:01:00.0	64.3	51.2	74.6	85.8
1542	11:07:00	00:01:00.0	63.8	52.2	68.2	82.9
1543	11:08:00	00:01:00.0	64.9	51.7	71.9	85.5
1544	11:09:00	00:01:00.0	64.6	53.8	71.8	87.1
1545	11:10:00	00:01:00.0	65.3	52.7	72.1	85.5
1546	11:11:00	00:01:00.0	62.9	52.4	68.3	83.0
1547	11:12:00	00:01:00.0	65.3	58.7	72.7	92.5
1548	11:13:00	00:01:00.0	60.5	53.1	68.1	83.2
1549	11:14:00	00:01:00.0	63.4	51.4	68.2	81.9
1550	11:15:00	00:01:00.0	66.1	51.9	70.8	84.9
1551	11:16:00	00:01:00.0	62.7	52.1	68.9	85.2
1552	11:17:00	00:01:00.0	67.2	54.2	77.4	90.0
1553	11:18:00	00:01:00.0	62.6	51.5	70.2	83.7
1554	11:19:00	00:01:00.0	62.9	52.4	72.4	84.8
1555	11:20:00	00:01:00.0	64.2	57.4	71.0	87.0
1556	11:21:00	00:01:00.0	65.8	58.7	72.4	92.6
1557	11:22:00	00:01:00.0	63.8	50.8	67.5	80.8
1558	11:23:00	00:01:00.0	64.0	55.0	68.8	81.1
1559	11:24:00	00:01:00.0	64.4	54.4	69.4	83.0
1560	11:25:00	00:01:00.0	61.1	52.7	68.9	81.7
1561	11:26:00	00:01:00.0	65.2	53.8	71.2	84.2
1562	11:27:00	00:01:00.0	64.8	54.3	70.0	89.1
1563	11:28:00	00:01:00.0	62.7	52.8	67.6	85.6
1564	11:29:00	00:01:00.0	62.2	55.0	68.0	83.9
1565	11:30:00	00:01:00.0	66.5	55.4	73.8	90.3
1566	11:31:00	00:00:24.7	74.7	62.9	82.6	117.1

Noise Monitoring Data for Location 2

Record #	Time	LASmin	LAeq	LASmax
2	12:00:00	44.4	56.5	75.9
3	13:00:00	44.8	59.1	82.0
4	14:00:00	45.5	57.5	76.7
5	15:00:00	46.2	56.2	79.4
6	16:00:00	46.2	58.9	79.4
7	17:00:00	47.4	59.7	86.6
8	18:00:00	48.7	55.0	67.9
9	19:00:00	48.4	55.2	70.1
10	20:00:00	47.3	54.9	70.0
11	21:00:00	47.4	58.1	80.2
12	22:00:00	50.0	62.9	94.6
13	23:00:00	47.9	68.0	101.3
14	00:00:00	50.3	55.0	69.7
15	01:00:00	48.9	55.5	73.1
16	02:00:00	47.4	55.3	79.7
17	03:00:00	48.4	52.7	67.1
18	04:00:00	48.7	54.9	70.0
19	05:00:00	51.2	58.8	83.7
20	06:00:00	49.7	58.8	81.4
21	07:00:00	51.2	64.6	91.8
22	08:00:00	51.9	61.2	77.0
23	09:00:00	48.2	56.8	74.9
24	10:00:00	45.6	57.6	83.2
25	11:00:00	44.9	56.6	80.3

Record #	Date	Time	LASmin	LAeq	LASmax
3	2018-12-12	14:00:00	46.4	54.4	73.2
4	2018-12-12	15:00:00	45.9	53.2	64.9
5	2018-12-12	16:00:00	46.6	53.6	77.3
6	2018-12-12	17:00:00	47.2	53.9	71.3
7	2018-12-12	18:00:00	48.0	54.0	76.1
8	2018-12-12	19:00:00	48.6	54.6	67.6
9	2018-12-12	20:00:00	49.1	59.2	79.4
10	2018-12-12	21:00:00	53.1	58.8	73.9
11	2018-12-12	22:00:00	50.0	54.0	63.4
12	2018-12-12	23:00:00	50.4	53.9	67.7
13	2018-12-13	00:00:00	52.7	56.9	63.2
14	2018-12-13	01:00:00	53.3	58.2	78.8
15	2018-12-13	02:00:00	53.0	57.4	70.3
16	2018-12-13	03:00:00	53.5	57.1	62.1
17	2018-12-13	04:00:00	53.6	59.7	75.7
18	2018-12-13	05:00:00	57.9	62.8	70.1
19	2018-12-13	06:00:00	58.5	61.1	68.7
20	2018-12-13	07:00:00	58.8	62.5	77.2
21	2018-12-13	08:00:00	57.6	62.2	80.8
22	2018-12-13	09:00:00	56.4	62.9	89.8
23	2018-12-13	10:00:00	50.4	57.4	78.7
24	2018-12-13	11:00:00	51.2	55.3	75.5
25	2018-12-13	12:00:00	50.5	54.4	74.9
26	2018-12-13	13:00:00	47.8	59.2	89.3

Noise Monitoring Data for Location 4

Record #	Date	Time	Run Time	LAeq	LASmin	LASmax
36	2018-12-12	13:00:00	00:01:00.0	57.6	53.7	61.4
37	2018-12-12	13:01:00	00:01:00.0	58.6	54.0	64.0
38	2018-12-12	13:02:00	00:01:00.0	58.7	54.8	64.5
39	2018-12-12	13:03:00	00:01:00.0	60.8	52.0	67.9
40	2018-12-12	13:04:00	00:01:00.0	58.9	53.2	63.4
41	2018-12-12	13:05:00	00:01:00.0	58.6	53.2	63.8
42	2018-12-12	13:06:00	00:01:00.0	59.5	51.6	72.1
43	2018-12-12	13:07:00	00:01:00.0	60.1	53.0	71.3
44	2018-12-12	13:08:00	00:01:00.0	57.0	53.0	62.8
45	2018-12-12	13:09:00	00:01:00.0	59.4	52.7	62.5
46	2018-12-12	13:10:00	00:01:00.0	58.0	52.2	61.6
47	2018-12-12	13:11:00	00:01:00.0	59.5	55.2	62.8
48	2018-12-12	13:12:00	00:01:00.0	57.3	52.1	65.0
49	2018-12-12	13:13:00	00:01:00.0	56.6	52.9	60.5
50	2018-12-12	13:14:00	00:01:00.0	57.1	51.7	61.4
51	2018-12-12	13:15:00	00:01:00.0	56.7	52.8	59.4
52	2018-12-12	13:16:00	00:01:00.0	54.9	50.4	59.2
53	2018-12-12	13:17:00	00:01:00.0	58.7	51.8	61.5
54	2018-12-12	13:18:00	00:01:00.0	56.0	51.2	59.4
55	2018-12-12	13:19:00	00:01:00.0	64.9	55.9	71.5
56	2018-12-12	13:20:00	00:01:00.0	57.4	53.3	60.8
57	2018-12-12	13:21:00	00:01:00.0	57.2	53.7	60.8
58	2018-12-12	13:22:00	00:01:00.0	57.0	50.8	60.4
59	2018-12-12	13:23:00	00:01:00.0	58.5	52.1	67.3
60	2018-12-12	13:24:00	00:01:00.0	58.4	54.3	62.5
61	2018-12-12	13:25:00	00:01:00.0	57.6	51.7	64.9
62	2018-12-12	13:26:00	00:01:00.0	58.0	53.8	62.4
63	2018-12-12	13:27:00	00:01:00.0	57.8	51.2	63.4
64	2018-12-12	13:28:00	00:01:00.0	60.7	56.0	64.5
65	2018-12-12	13:29:00	00:01:00.0	56.5	51.8	62.0
66	2018-12-12	13:30:00	00:01:00.0	57.1	52.4	63.6
67	2018-12-12	13:31:00	00:01:00.0	56.9	52.7	63.7
68	2018-12-12	13:32:00	00:01:00.0	55.7	50.9	61.6
69	2018-12-12	13:33:00	00:01:00.0	55.8	51.0	60.4
70	2018-12-12	13:34:00	00:01:00.0	56.3	52.4	61.2
71	2018-12-12	13:35:00	00:01:00.0	59.2	55.7	62.6
72	2018-12-12	13:36:00	00:01:00.0	58.2	53.2	64.3
73	2018-12-12	13:37:00	00:01:00.0	58.2	53.6	60.9
74	2018-12-12	13:38:00	00:01:00.0	55.0	50.7	58.5
75	2018-12-12	13:39:00	00:01:00.0	58.4	51.3	61.5
76	2018-12-12	13:40:00	00:01:00.0	56.5	51.4	63.1
77	2018-12-12	13:41:00	00:01:00.0	57.6	52.2	61.6
78	2018-12-12	13:42:00	00:01:00.0	55.2	51.8	59.7
79	2018-12-12	13:43:00	00:01:00.0	58.9	53.4	63.2

80	2018-12-12	13:44:00	00:01:00.0	57.4	51.6	64.7
81	2018-12-12	13:45:00	00:01:00.0	58.0	52.0	63.4
82	2018-12-12	13:46:00	00:01:00.0	58.8	55.8	61.6
83	2018-12-12	13:47:00	00:01:00.0	59.6	52.6	69.6
84	2018-12-12	13:48:00	00:01:00.0	56.6	52.1	63.0
85	2018-12-12	13:49:00	00:01:00.0	58.9	53.4	61.7
86	2018-12-12	13:50:00	00:01:00.0	55.6	53.1	61.5
87	2018-12-12	13:51:00	00:01:00.0	56.2	52.0	59.7
88	2018-12-12	13:52:00	00:01:00.0	56.8	52.1	60.8
89	2018-12-12	13:53:00	00:01:00.0	56.8	51.6	60.5
90	2018-12-12	13:54:00	00:01:00.0	58.8	52.3	61.6
91	2018-12-12	13:55:00	00:01:00.0	55.7	51.5	60.3
92	2018-12-12	13:56:00	00:01:00.0	58.6	53.2	64.9
93	2018-12-12	13:57:00	00:01:00.0	56.6	50.9	61.4
94	2018-12-12	13:58:00	00:01:00.0	59.1	53.2	67.0
95	2018-12-12	13:59:00	00:01:00.0	58.5	54.1	65.3
96	2018-12-12	14:00:00	00:01:00.0	57.0	50.7	60.5
97	2018-12-12	14:01:00	00:01:00.0	57.1	50.5	61.7
98	2018-12-12	14:02:00	00:01:00.0	57.1	52.9	60.8
99	2018-12-12	14:03:00	00:01:00.0	56.4	52.4	63.0
100	2018-12-12	14:04:00	00:01:00.0	56.9	52.0	63.9
101	2018-12-12	14:05:00	00:01:00.0	56.1	51.4	58.9
102	2018-12-12	14:06:00	00:01:00.0	57.6	53.3	63.0
103	2018-12-12	14:07:00	00:01:00.0	58.4	53.7	60.9
104	2018-12-12	14:08:00	00:01:00.0	55.7	51.6	59.5
105	2018-12-12	14:09:00	00:01:00.0	57.5	52.2	65.9
106	2018-12-12	14:10:00	00:01:00.0	59.7	52.2	66.8
107	2018-12-12	14:11:00	00:01:00.0	61.5	53.1	71.3
108	2018-12-12	14:12:00	00:01:00.0	61.6	54.1	70.6
109	2018-12-12	14:13:00	00:01:00.0	58.1	51.4	68.0
110	2018-12-12	14:14:00	00:01:00.0	56.6	50.6	68.2
111	2018-12-12	14:15:00	00:01:00.0	63.0	53.3	74.9
112	2018-12-12	14:16:00	00:01:00.0	60.0	51.9	64.4
113	2018-12-12	14:17:00	00:01:00.0	56.6	52.2	62.2
114	2018-12-12	14:18:00	00:01:00.0	56.1	51.4	59.7
115	2018-12-12	14:19:00	00:01:00.0	62.2	50.5	75.3
116	2018-12-12	14:20:00	00:01:00.0	59.6	56.4	73.9
117	2018-12-12	14:21:00	00:01:00.0	56.1	51.0	59.2
118	2018-12-12	14:22:00	00:01:00.0	58.4	53.3	61.2
119	2018-12-12	14:23:00	00:01:00.0	59.7	53.3	65.4
120	2018-12-12	14:24:00	00:01:00.0	59.2	57.3	63.7
121	2018-12-12	14:25:00	00:01:00.0	57.5	53.9	59.4
122	2018-12-12	14:26:00	00:01:00.0	58.4	51.8	65.0
123	2018-12-12	14:27:00	00:01:00.0	57.4	51.7	59.8
124	2018-12-12	14:28:00	00:01:00.0	55.8	51.8	59.2
125	2018-12-12	14:29:00	00:01:00.0	54.6	52.0	57.0
126	2018-12-12	14:30:00	00:01:00.0	56.4	52.1	60.5

127	2018-12-12	14:31:00	00:01:00.0	58.7	53.3	62.0
128	2018-12-12	14:32:00	00:01:00.0	58.6	52.2	64.7
129	2018-12-12	14:33:00	00:01:00.0	60.0	54.0	65.8
130	2018-12-12	14:34:00	00:01:00.0	54.8	52.0	59.2
131	2018-12-12	14:35:00	00:01:00.0	58.9	51.6	61.1
132	2018-12-12	14:36:00	00:01:00.0	55.3	50.9	60.5
133	2018-12-12	14:37:00	00:01:00.0	58.9	54.1	65.5
134	2018-12-12	14:38:00	00:01:00.0	57.6	53.3	59.5
135	2018-12-12	14:39:00	00:01:00.0	59.6	53.6	67.3
136	2018-12-12	14:40:00	00:01:00.0	57.7	52.2	63.0
137	2018-12-12	14:41:00	00:01:00.0	55.5	51.5	59.7
138	2018-12-12	14:42:00	00:01:00.0	57.4	55.6	59.6
139	2018-12-12	14:43:00	00:01:00.0	55.0	51.0	59.7
140	2018-12-12	14:44:00	00:01:00.0	56.0	52.5	60.2
141	2018-12-12	14:45:00	00:01:00.0	60.1	52.3	70.9
142	2018-12-12	14:46:00	00:01:00.0	59.2	51.7	63.0
143	2018-12-12	14:47:00	00:01:00.0	56.3	51.5	59.3
144	2018-12-12	14:48:00	00:01:00.0	58.6	53.8	60.9
145	2018-12-12	14:49:00	00:01:00.0	64.3	59.1	71.4
146	2018-12-12	14:50:00	00:01:00.0	62.6	54.6	69.2
147	2018-12-12	14:51:00	00:01:00.0	62.3	58.9	64.3
148	2018-12-12	14:52:00	00:01:00.0	61.8	56.7	64.9
149	2018-12-12	14:53:00	00:01:00.0	62.7	57.2	70.7
150	2018-12-12	14:54:00	00:01:00.0	58.0	52.9	64.2
151	2018-12-12	14:55:00	00:01:00.0	56.6	53.3	59.1
152	2018-12-12	14:56:00	00:01:00.0	57.3	52.1	63.7
153	2018-12-12	14:57:00	00:01:00.0	61.1	52.8	68.7
154	2018-12-12	14:58:00	00:01:00.0	58.4	55.2	66.3
155	2018-12-12	14:59:00	00:01:00.0	59.4	54.3	63.8
156	2018-12-12	15:00:00	00:01:00.0	57.3	53.7	59.7
157	2018-12-12	15:01:00	00:01:00.0	59.4	54.3	63.7
158	2018-12-12	15:02:00	00:01:00.0	57.8	52.8	61.6
159	2018-12-12	15:03:00	00:01:00.0	59.0	53.3	67.7
160	2018-12-12	15:04:00	00:01:00.0	58.8	51.9	64.1
161	2018-12-12	15:05:00	00:01:00.0	55.3	51.6	61.6
162	2018-12-12	15:06:00	00:01:00.0	56.2	52.4	61.7
163	2018-12-12	15:07:00	00:01:00.0	57.8	53.6	63.6
164	2018-12-12	15:08:00	00:01:00.0	59.5	54.9	67.8
165	2018-12-12	15:09:00	00:01:00.0	57.1	52.2	64.6
166	2018-12-12	15:10:00	00:01:00.0	60.3	55.7	68.7
167	2018-12-12	15:11:00	00:01:00.0	56.7	51.4	60.9
168	2018-12-12	15:12:00	00:01:00.0	58.9	57.0	60.7
169	2018-12-12	15:13:00	00:01:00.0	57.6	50.8	62.2
170	2018-12-12	15:14:00	00:01:00.0	58.6	55.4	62.0
171	2018-12-12	15:15:00	00:01:00.0	56.1	51.4	59.8
172	2018-12-12	15:16:00	00:01:00.0	58.8	54.2	63.6
173	2018-12-12	15:17:00	00:01:00.0	57.3	52.0	62.6

174	2018-12-12	15:18:00	00:01:00.0	59.3	56.3	62.0
175	2018-12-12	15:19:00	00:01:00.0	55.5	51.3	59.2
176	2018-12-12	15:20:00	00:01:00.0	59.4	52.2	69.3
177	2018-12-12	15:21:00	00:01:00.0	55.6	52.0	58.3
178	2018-12-12	15:22:00	00:01:00.0	57.8	51.9	59.7
179	2018-12-12	15:23:00	00:01:00.0	57.2	53.2	60.3
180	2018-12-12	15:24:00	00:01:00.0	57.4	53.4	60.6
181	2018-12-12	15:25:00	00:01:00.0	60.5	54.1	66.8
182	2018-12-12	15:26:00	00:01:00.0	56.7	51.4	61.3
183	2018-12-12	15:27:00	00:01:00.0	59.7	52.0	68.7
184	2018-12-12	15:28:00	00:01:00.0	59.2	51.8	64.0
185	2018-12-12	15:29:00	00:01:00.0	56.6	52.1	60.8
186	2018-12-12	15:30:00	00:01:00.0	59.0	54.4	62.7
187	2018-12-12	15:31:00	00:01:00.0	59.0	53.6	68.4
188	2018-12-12	15:32:00	00:01:00.0	60.7	54.0	68.7
189	2018-12-12	15:33:00	00:01:00.0	56.3	51.6	60.7
190	2018-12-12	15:34:00	00:01:00.0	59.1	53.7	63.6
191	2018-12-12	15:35:00	00:01:00.0	56.5	52.5	61.5
192	2018-12-12	15:36:00	00:01:00.0	59.8	53.5	64.6
193	2018-12-12	15:37:00	00:01:00.0	54.8	51.5	62.4
194	2018-12-12	15:38:00	00:01:00.0	59.6	55.2	63.9
195	2018-12-12	15:39:00	00:01:00.0	54.8	51.2	58.0
196	2018-12-12	15:40:00	00:01:00.0	62.5	57.2	69.3
197	2018-12-12	15:41:00	00:01:00.0	60.2	52.8	67.7
198	2018-12-12	15:42:00	00:01:00.0	59.1	53.9	62.9
199	2018-12-12	15:43:00	00:01:00.0	56.0	52.5	62.8
200	2018-12-12	15:44:00	00:01:00.0	59.3	54.8	62.4
201	2018-12-12	15:45:00	00:01:00.0	58.7	52.3	63.3
202	2018-12-12	15:46:00	00:01:00.0	58.8	53.2	62.0
203	2018-12-12	15:47:00	00:01:00.0	58.8	50.7	70.9
204	2018-12-12	15:48:00	00:01:00.0	58.1	53.0	64.8
205	2018-12-12	15:49:00	00:01:00.0	58.4	52.9	62.3
206	2018-12-12	15:50:00	00:01:00.0	57.1	51.6	61.4
207	2018-12-12	15:51:00	00:01:00.0	57.5	50.9	66.8
208	2018-12-12	15:52:00	00:01:00.0	57.2	54.5	59.1
209	2018-12-12	15:53:00	00:01:00.0	60.3	52.1	65.4
210	2018-12-12	15:54:00	00:01:00.0	59.2	52.6	61.1
211	2018-12-12	15:55:00	00:01:00.0	56.1	52.8	60.3
212	2018-12-12	15:56:00	00:01:00.0	59.1	52.4	62.9
213	2018-12-12	15:57:00	00:01:00.0	54.1	52.1	56.8
214	2018-12-12	15:58:00	00:01:00.0	59.3	56.5	63.2
215	2018-12-12	15:59:00	00:01:00.0	55.0	51.0	62.6
216	2018-12-12	16:00:00	00:01:00.0	58.1	53.2	60.5
217	2018-12-12	16:01:00	00:01:00.0	58.3	53.8	65.1
218	2018-12-12	16:02:00	00:01:00.0	57.7	52.4	65.8
219	2018-12-12	16:03:00	00:01:00.0	62.5	55.6	70.1
220	2018-12-12	16:04:00	00:01:00.0	57.8	53.5	61.3

221	2018-12-12	16:05:00	00:01:00.0	56.2	52.3	60.3
222	2018-12-12	16:06:00	00:01:00.0	58.5	54.6	61.1
223	2018-12-12	16:07:00	00:01:00.0	57.1	52.7	60.5
224	2018-12-12	16:08:00	00:01:00.0	56.9	52.1	60.3
225	2018-12-12	16:09:00	00:01:00.0	61.4	51.9	72.2
226	2018-12-12	16:10:00	00:01:00.0	60.6	56.6	65.2
227	2018-12-12	16:11:00	00:01:00.0	59.4	53.3	66.0
228	2018-12-12	16:12:00	00:01:00.0	60.7	56.7	67.8
229	2018-12-12	16:13:00	00:01:00.0	58.0	53.3	60.8
230	2018-12-12	16:14:00	00:01:00.0	58.1	53.1	61.9
231	2018-12-12	16:15:00	00:01:00.0	58.0	53.0	64.5
232	2018-12-12	16:16:00	00:01:00.0	60.4	55.1	67.7
233	2018-12-12	16:17:00	00:01:00.0	59.7	53.2	65.1
234	2018-12-12	16:18:00	00:01:00.0	58.7	52.5	61.1
235	2018-12-12	16:19:00	00:01:00.0	55.5	52.1	60.3
236	2018-12-12	16:20:00	00:01:00.0	60.2	51.6	68.6
237	2018-12-12	16:21:00	00:01:00.0	57.1	53.8	65.0
238	2018-12-12	16:22:00	00:01:00.0	60.6	57.1	62.2
239	2018-12-12	16:23:00	00:01:00.0	57.0	53.0	61.1
240	2018-12-12	16:24:00	00:01:00.0	59.9	53.9	62.2
241	2018-12-12	16:25:00	00:01:00.0	56.7	53.4	63.3
242	2018-12-12	16:26:00	00:01:00.0	59.3	56.2	64.2
243	2018-12-12	16:27:00	00:01:00.0	58.1	53.6	63.6
244	2018-12-12	16:28:00	00:01:00.0	60.3	53.3	65.4
245	2018-12-12	16:29:00	00:01:00.0	56.5	53.7	63.1
246	2018-12-12	16:30:00	00:01:00.0	58.7	53.9	63.3
247	2018-12-12	16:31:00	00:01:00.0	60.0	54.3	64.1
248	2018-12-12	16:32:00	00:01:00.0	57.6	52.9	61.2
249	2018-12-12	16:33:00	00:01:00.0	55.2	53.6	57.4
250	2018-12-12	16:34:00	00:01:00.0	59.9	53.8	65.2
251	2018-12-12	16:35:00	00:01:00.0	58.5	52.7	63.3
252	2018-12-12	16:36:00	00:01:00.0	58.5	53.1	62.8
253	2018-12-12	16:37:00	00:01:00.0	58.7	57.4	62.2
254	2018-12-12	16:38:00	00:01:00.0	58.7	54.3	68.5
255	2018-12-12	16:39:00	00:01:00.0	59.9	55.1	63.2
256	2018-12-12	16:40:00	00:01:00.0	59.6	53.7	68.3
257	2018-12-12	16:41:00	00:01:00.0	56.6	52.8	60.2
258	2018-12-12	16:42:00	00:01:00.0	59.4	56.8	61.7
259	2018-12-12	16:43:00	00:01:00.0	57.6	52.7	61.4
260	2018-12-12	16:44:00	00:01:00.0	60.0	56.1	64.9
261	2018-12-12	16:45:00	00:01:00.0	56.0	52.5	59.2
262	2018-12-12	16:46:00	00:01:00.0	58.6	53.3	61.2
263	2018-12-12	16:47:00	00:01:00.0	57.3	54.1	60.3
264	2018-12-12	16:48:00	00:01:00.0	57.7	51.9	61.4
265	2018-12-12	16:49:00	00:01:00.0	55.1	51.5	60.3
266	2018-12-12	16:50:00	00:01:00.0	58.5	54.7	61.7
267	2018-12-12	16:51:00	00:01:00.0	60.6	56.0	64.2

268	2018-12-12	16:52:00	00:01:00.0	58.7	53.2	66.7
269	2018-12-12	16:53:00	00:01:00.0	59.2	52.6	63.2
270	2018-12-12	16:54:00	00:01:00.0	56.6	53.3	59.8
271	2018-12-12	16:55:00	00:01:00.0	55.7	52.1	60.2
272	2018-12-12	16:56:00	00:01:00.0	58.9	53.1	61.3
273	2018-12-12	16:57:00	00:01:00.0	55.2	52.3	59.5
274	2018-12-12	16:58:00	00:01:00.0	59.5	52.7	66.4
275	2018-12-12	16:59:00	00:01:00.0	56.1	52.4	60.1
276	2018-12-12	17:00:00	00:01:00.0	58.6	54.7	64.4
277	2018-12-12	17:01:00	00:01:00.0	58.2	54.5	65.9
278	2018-12-12	17:02:00	00:01:00.0	59.2	55.7	66.9
279	2018-12-12	17:03:00	00:01:00.0	56.7	52.9	61.8
280	2018-12-12	17:04:00	00:01:00.0	56.6	52.0	62.0
281	2018-12-12	17:05:00	00:01:00.0	55.3	53.0	58.2
282	2018-12-12	17:06:00	00:01:00.0	60.4	55.1	65.8
283	2018-12-12	17:07:00	00:01:00.0	57.1	55.4	60.4
284	2018-12-12	17:08:00	00:01:00.0	59.6	56.2	64.1
285	2018-12-12	17:09:00	00:01:00.0	59.6	53.9	62.5
286	2018-12-12	17:10:00	00:01:00.0	58.5	53.6	62.8
287	2018-12-12	17:11:00	00:01:00.0	59.1	54.6	61.7
288	2018-12-12	17:12:00	00:01:00.0	58.9	53.3	62.4
289	2018-12-12	17:13:00	00:01:00.0	64.1	56.8	73.8
290	2018-12-12	17:14:00	00:01:00.0	58.5	54.3	72.4
291	2018-12-12	17:15:00	00:01:00.0	56.1	53.4	58.7
292	2018-12-12	17:16:00	00:01:00.0	59.6	58.1	62.4
293	2018-12-12	17:17:00	00:01:00.0	57.8	54.3	63.3
294	2018-12-12	17:18:00	00:01:00.0	59.4	54.3	61.9
295	2018-12-12	17:19:00	00:01:00.0	56.2	52.7	61.7
296	2018-12-12	17:20:00	00:01:00.0	58.4	53.4	60.8
297	2018-12-12	17:21:00	00:01:00.0	57.3	52.6	62.6
298	2018-12-12	17:22:00	00:01:00.0	57.4	52.7	59.9
299	2018-12-12	17:23:00	00:01:00.0	58.4	53.0	65.7
300	2018-12-12	17:24:00	00:01:00.0	57.7	52.8	63.8
301	2018-12-12	17:25:00	00:01:00.0	60.4	53.2	69.0
302	2018-12-12	17:26:00	00:01:00.0	59.0	54.6	63.3
303	2018-12-12	17:27:00	00:01:00.0	57.8	53.2	61.8
304	2018-12-12	17:28:00	00:01:00.0	59.6	53.6	67.1
305	2018-12-12	17:29:00	00:01:00.0	56.7	53.3	60.9
306	2018-12-12	17:30:00	00:01:00.0	59.4	56.4	65.8
307	2018-12-12	17:31:00	00:01:00.0	55.7	53.3	60.2
308	2018-12-12	17:32:00	00:01:00.0	61.7	54.2	73.6
309	2018-12-12	17:33:00	00:01:00.0	58.2	53.4	66.3
310	2018-12-12	17:34:00	00:01:00.0	57.9	53.2	60.8
311	2018-12-12	17:35:00	00:01:00.0	59.2	53.1	64.1
312	2018-12-12	17:36:00	00:01:00.0	60.6	52.9	63.4
313	2018-12-12	17:37:00	00:01:00.0	58.6	53.6	62.3
314	2018-12-12	17:38:00	00:01:00.0	59.0	53.9	60.9

315	2018-12-12	17:39:00	00:01:00.0	57.9	52.2	60.6
316	2018-12-12	17:40:00	00:01:00.0	55.9	52.2	58.9
317	2018-12-12	17:41:00	00:01:00.0	59.4	52.3	66.7
318	2018-12-12	17:42:00	00:01:00.0	60.0	52.7	67.2
319	2018-12-12	17:43:00	00:01:00.0	66.7	58.5	74.2
320	2018-12-12	17:44:00	00:01:00.0	62.0	56.7	66.2
321	2018-12-12	17:45:00	00:01:00.0	56.6	52.3	61.3
322	2018-12-12	17:46:00	00:01:00.0	62.3	56.4	70.9
323	2018-12-12	17:47:00	00:01:00.0	57.8	52.9	61.9
324	2018-12-12	17:48:00	00:01:00.0	58.9	53.2	60.8
325	2018-12-12	17:49:00	00:01:00.0	57.7	52.7	64.9
326	2018-12-12	17:50:00	00:01:00.0	60.5	53.1	66.4
327	2018-12-12	17:51:00	00:01:00.0	59.5	55.8	63.4
328	2018-12-12	17:52:00	00:01:00.0	60.4	54.0	70.0
329	2018-12-12	17:53:00	00:01:00.0	59.1	53.4	67.7
330	2018-12-12	17:54:00	00:01:00.0	59.7	58.0	62.0
331	2018-12-12	17:55:00	00:01:00.0	57.0	52.5	61.2
332	2018-12-12	17:56:00	00:01:00.0	58.8	53.6	64.2
333	2018-12-12	17:57:00	00:01:00.0	55.5	52.2	58.0
334	2018-12-12	17:58:00	00:01:00.0	59.4	54.8	61.4
335	2018-12-12	17:59:00	00:01:00.0	62.7	57.1	70.3
336	2018-12-12	18:00:00	00:01:00.0	59.1	54.1	67.9
337	2018-12-12	18:01:00	00:01:00.0	63.1	52.0	70.5
338	2018-12-12	18:02:00	00:01:00.0	57.6	52.1	61.8
339	2018-12-12	18:03:00	00:01:00.0	58.9	53.3	62.9
340	2018-12-12	18:04:00	00:01:00.0	59.4	53.8	61.6
341	2018-12-12	18:05:00	00:01:00.0	58.5	54.7	61.9
342	2018-12-12	18:06:00	00:01:00.0	60.3	58.1	62.3
343	2018-12-12	18:07:00	00:01:00.0	56.8	53.4	59.9
344	2018-12-12	18:08:00	00:01:00.0	58.7	54.6	62.1
345	2018-12-12	18:09:00	00:01:00.0	55.0	53.0	58.9
346	2018-12-12	18:10:00	00:01:00.0	58.3	55.6	61.0
347	2018-12-12	18:11:00	00:01:00.0	56.9	52.0	60.8
348	2018-12-12	18:12:00	00:01:00.0	58.9	52.5	63.8
349	2018-12-12	18:13:00	00:01:00.0	57.6	52.0	61.2
350	2018-12-12	18:14:00	00:01:00.0	61.6	58.8	65.6
351	2018-12-12	18:15:00	00:01:00.0	57.7	52.2	65.1
352	2018-12-12	18:16:00	00:01:00.0	60.1	56.8	64.7
353	2018-12-12	18:17:00	00:01:00.0	56.5	52.2	59.8
354	2018-12-12	18:18:00	00:01:00.0	59.1	54.0	62.2
355	2018-12-12	18:19:00	00:01:00.0	58.8	50.4	69.7
356	2018-12-12	18:20:00	00:01:00.0	58.7	54.1	63.9
357	2018-12-12	18:21:00	00:01:00.0	59.6	52.2	62.7
358	2018-12-12	18:22:00	00:01:00.0	59.4	52.8	66.2
359	2018-12-12	18:23:00	00:01:00.0	56.1	52.4	61.9
360	2018-12-12	18:24:00	00:01:00.0	59.7	57.8	61.6
361	2018-12-12	18:25:00	00:01:00.0	56.4	52.4	61.6

362	2018-12-12	18:26:00	00:01:00.0	61.1	53.1	65.9
363	2018-12-12	18:27:00	00:01:00.0	59.1	55.8	61.5
364	2018-12-12	18:28:00	00:01:00.0	57.0	52.3	61.5
365	2018-12-12	18:29:00	00:01:00.0	58.9	52.4	64.7
366	2018-12-12	18:30:00	00:01:00.0	58.1	52.2	63.2
367	2018-12-12	18:31:00	00:01:00.0	59.8	53.9	69.8
368	2018-12-12	18:32:00	00:01:00.0	59.9	53.6	66.9
369	2018-12-12	18:33:00	00:01:00.0	57.7	52.0	65.2
370	2018-12-12	18:34:00	00:01:00.0	58.9	54.7	61.4
371	2018-12-12	18:35:00	00:01:00.0	58.1	52.5	61.5
372	2018-12-12	18:36:00	00:01:00.0	59.6	52.0	64.9
373	2018-12-12	18:37:00	00:01:00.0	59.2	52.2	64.8
374	2018-12-12	18:38:00	00:01:00.0	56.4	52.0	61.0
375	2018-12-12	18:39:00	00:01:00.0	60.0	53.6	70.3
376	2018-12-12	18:40:00	00:01:00.0	59.4	53.6	71.5
377	2018-12-12	18:41:00	00:01:00.0	59.5	53.5	63.3
378	2018-12-12	18:42:00	00:01:00.0	56.9	52.1	61.5
379	2018-12-12	18:43:00	00:01:00.0	56.4	50.8	62.5
380	2018-12-12	18:44:00	00:01:00.0	60.9	55.3	68.8
381	2018-12-12	18:45:00	00:01:00.0	58.2	52.4	64.6
382	2018-12-12	18:46:00	00:01:00.0	59.6	56.7	64.2
383	2018-12-12	18:47:00	00:01:00.0	55.5	51.1	59.2
384	2018-12-12	18:48:00	00:01:00.0	59.0	53.2	64.7
385	2018-12-12	18:49:00	00:01:00.0	57.3	51.7	61.7
386	2018-12-12	18:50:00	00:01:00.0	57.7	53.6	59.6
387	2018-12-12	18:51:00	00:01:00.0	57.0	51.7	62.0
388	2018-12-12	18:52:00	00:01:00.0	60.0	55.4	65.5
389	2018-12-12	18:53:00	00:01:00.0	56.0	51.4	61.8
390	2018-12-12	18:54:00	00:01:00.0	58.6	54.9	62.8
391	2018-12-12	18:55:00	00:01:00.0	58.3	53.2	61.5
392	2018-12-12	18:56:00	00:01:00.0	60.5	56.6	63.1
393	2018-12-12	18:57:00	00:01:00.0	63.4	53.1	72.3
394	2018-12-12	18:58:00	00:01:00.0	56.7	53.0	61.0
395	2018-12-12	18:59:00	00:01:00.0	59.3	55.2	62.3
396	2018-12-12	19:00:00	00:01:00.0	59.6	51.7	69.3
397	2018-12-12	19:01:00	00:01:00.0	56.7	51.6	61.1
398	2018-12-12	19:02:00	00:01:00.0	56.0	51.9	59.5
399	2018-12-12	19:03:00	00:01:00.0	56.0	51.3	60.3
400	2018-12-12	19:04:00	00:01:00.0	59.7	54.8	61.8
401	2018-12-12	19:05:00	00:01:00.0	58.7	53.2	61.1
402	2018-12-12	19:06:00	00:01:00.0	59.0	54.8	61.9
403	2018-12-12	19:07:00	00:01:00.0	56.7	52.6	59.8
404	2018-12-12	19:08:00	00:01:00.0	58.8	50.4	64.4
405	2018-12-12	19:09:00	00:01:00.0	69.8	52.3	80.0
406	2018-12-12	19:10:00	00:01:00.0	57.5	53.7	61.7
407	2018-12-12	19:11:00	00:01:00.0	58.1	53.8	65.3
408	2018-12-12	19:12:00	00:01:00.0	58.4	56.4	61.7

409	2018-12-12	19:13:00	00:01:00.0	58.0	52.4	67.6
410	2018-12-12	19:14:00	00:01:00.0	56.4	53.5	64.9
411	2018-12-12	19:15:00	00:01:00.0	53.6	50.3	58.9
412	2018-12-12	19:16:00	00:01:00.0	58.5	52.6	63.1
413	2018-12-12	19:17:00	00:01:00.0	55.7	52.1	58.9
414	2018-12-12	19:18:00	00:01:00.0	58.7	51.9	65.7
415	2018-12-12	19:19:00	00:01:00.0	58.1	52.8	65.8
416	2018-12-12	19:20:00	00:01:00.0	57.2	52.6	60.0
417	2018-12-12	19:21:00	00:01:00.0	58.2	52.7	61.9
418	2018-12-12	19:22:00	00:01:00.0	58.0	52.3	65.0
419	2018-12-12	19:23:00	00:01:00.0	58.3	53.8	62.9
420	2018-12-12	19:24:00	00:01:00.0	54.5	50.0	59.0
421	2018-12-12	19:25:00	00:01:00.0	58.9	54.1	66.2
422	2018-12-12	19:26:00	00:01:00.0	56.9	52.8	61.9
423	2018-12-12	19:27:00	00:01:00.0	58.1	54.2	61.8
424	2018-12-12	19:28:00	00:01:00.0	61.2	53.4	70.2
425	2018-12-12	19:29:00	00:01:00.0	58.5	52.4	65.8
426	2018-12-12	19:30:00	00:01:00.0	56.5	52.1	63.0
427	2018-12-12	19:31:00	00:01:00.0	57.4	51.3	61.0
428	2018-12-12	19:32:00	00:01:00.0	56.9	52.3	60.0
429	2018-12-12	19:33:00	00:01:00.0	57.5	53.5	60.4
430	2018-12-12	19:34:00	00:01:00.0	54.9	52.9	58.8
431	2018-12-12	19:35:00	00:01:00.0	54.8	52.0	59.8
432	2018-12-12	19:36:00	00:01:00.0	59.7	52.8	68.5
433	2018-12-12	19:37:00	00:01:00.0	56.9	53.4	61.0
434	2018-12-12	19:38:00	00:01:00.0	55.1	52.5	57.4
435	2018-12-12	19:39:00	00:01:00.0	57.4	53.4	60.7
436	2018-12-12	19:40:00	00:01:00.0	57.9	53.7	64.0
437	2018-12-12	19:41:00	00:01:00.0	59.6	53.2	66.8
438	2018-12-12	19:42:00	00:01:00.0	71.2	55.2	81.2
439	2018-12-12	19:43:00	00:01:00.0	59.7	54.0	63.8
440	2018-12-12	19:44:00	00:01:00.0	55.5	52.2	60.4
441	2018-12-12	19:45:00	00:01:00.0	59.5	54.0	63.9
442	2018-12-12	19:46:00	00:01:00.0	60.1	53.6	70.2
443	2018-12-12	19:47:00	00:01:00.0	56.1	53.1	59.5
444	2018-12-12	19:48:00	00:01:00.0	58.6	52.1	63.3
445	2018-12-12	19:49:00	00:01:00.0	57.4	53.4	60.5
446	2018-12-12	19:50:00	00:01:00.0	57.3	51.2	64.8
447	2018-12-12	19:51:00	00:01:00.0	58.0	51.1	65.0
448	2018-12-12	19:52:00	00:01:00.0	57.5	52.9	65.3
449	2018-12-12	19:53:00	00:01:00.0	55.8	52.7	60.4
450	2018-12-12	19:54:00	00:01:00.0	56.8	53.5	60.7
451	2018-12-12	19:55:00	00:01:00.0	59.3	52.2	65.2
452	2018-12-12	19:56:00	00:01:00.0	58.7	52.7	63.0
453	2018-12-12	19:57:00	00:01:00.0	56.1	50.7	61.1
454	2018-12-12	19:58:00	00:01:00.0	55.3	52.2	60.3
455	2018-12-12	19:59:00	00:01:00.0	58.7	53.9	63.8

456	2018-12-12	20:00:00	00:01:00.0	57.2	53.3	61.6
457	2018-12-12	20:01:00	00:01:00.0	59.7	52.3	64.8
458	2018-12-12	20:02:00	00:01:00.0	57.8	52.1	63.2
459	2018-12-12	20:03:00	00:01:00.0	57.7	53.1	61.8
460	2018-12-12	20:04:00	00:01:00.0	56.6	52.1	60.7
461	2018-12-12	20:05:00	00:01:00.0	56.9	53.6	60.8
462	2018-12-12	20:06:00	00:01:00.0	59.8	54.3	69.0
463	2018-12-12	20:07:00	00:01:00.0	56.3	53.7	60.1
464	2018-12-12	20:08:00	00:01:00.0	57.4	51.6	62.2
465	2018-12-12	20:09:00	00:01:00.0	58.0	53.0	65.9
466	2018-12-12	20:10:00	00:01:00.0	58.2	52.0	61.4
467	2018-12-12	20:11:00	00:01:00.0	57.0	52.8	60.6
468	2018-12-12	20:12:00	00:01:00.0	55.2	53.6	57.1
469	2018-12-12	20:13:00	00:01:00.0	57.0	54.9	60.2
470	2018-12-12	20:14:00	00:01:00.0	58.4	54.9	62.1
471	2018-12-12	20:15:00	00:01:00.0	57.9	53.6	64.6
472	2018-12-12	20:16:00	00:01:00.0	57.8	53.7	61.7
473	2018-12-12	20:17:00	00:01:00.0	57.4	53.3	60.8
474	2018-12-12	20:18:00	00:01:00.0	56.4	54.0	58.9
475	2018-12-12	20:19:00	00:01:00.0	55.4	53.2	58.3
476	2018-12-12	20:20:00	00:01:00.0	57.7	53.6	61.4
477	2018-12-12	20:21:00	00:01:00.0	59.3	54.9	62.3
478	2018-12-12	20:22:00	00:01:00.0	59.1	54.4	63.3
479	2018-12-12	20:23:00	00:01:00.0	55.2	53.6	57.0
480	2018-12-12	20:24:00	00:01:00.0	58.0	53.4	61.0
481	2018-12-12	20:25:00	00:01:00.0	57.6	54.9	61.2
482	2018-12-12	20:26:00	00:01:00.0	57.3	55.3	59.9
483	2018-12-12	20:27:00	00:01:00.0	57.8	54.3	61.8
484	2018-12-12	20:28:00	00:01:00.0	57.2	53.4	63.3
485	2018-12-12	20:29:00	00:01:00.0	58.4	50.6	64.4
486	2018-12-12	20:30:00	00:01:00.0	56.3	52.3	60.2
487	2018-12-12	20:31:00	00:01:00.0	57.1	53.3	59.7
488	2018-12-12	20:32:00	00:01:00.0	57.3	52.7	61.4
489	2018-12-12	20:33:00	00:01:00.0	57.7	52.7	62.0
490	2018-12-12	20:34:00	00:01:00.0	58.7	53.8	70.2
491	2018-12-12	20:35:00	00:01:00.0	57.9	54.0	60.4
492	2018-12-12	20:36:00	00:01:00.0	56.6	53.8	60.0
493	2018-12-12	20:37:00	00:01:00.0	56.9	54.0	60.0
494	2018-12-12	20:38:00	00:01:00.0	57.9	53.8	61.1
495	2018-12-12	20:39:00	00:01:00.0	57.5	53.5	60.8
496	2018-12-12	20:40:00	00:01:00.0	61.6	52.6	73.8
497	2018-12-12	20:41:00	00:01:00.0	55.1	51.7	58.6
498	2018-12-12	20:42:00	00:01:00.0	56.0	52.0	59.3
499	2018-12-12	20:43:00	00:01:00.0	57.9	52.6	60.9
500	2018-12-12	20:44:00	00:01:00.0	56.5	53.2	61.8
501	2018-12-12	20:45:00	00:01:00.0	58.0	53.6	62.9
502	2018-12-12	20:46:00	00:01:00.0	56.8	52.7	61.4

503	2018-12-12	20:47:00	00:01:00.0	57.4	54.0	61.0
504	2018-12-12	20:48:00	00:01:00.0	58.0	55.0	61.1
505	2018-12-12	20:49:00	00:01:00.0	57.9	53.8	65.1
506	2018-12-12	20:50:00	00:01:00.0	56.6	52.5	60.6
507	2018-12-12	20:51:00	00:01:00.0	59.9	53.5	66.1
508	2018-12-12	20:52:00	00:01:00.0	64.9	55.1	74.6
509	2018-12-12	20:53:00	00:01:00.0	60.2	55.1	65.0
510	2018-12-12	20:54:00	00:01:00.0	56.9	53.4	60.9
511	2018-12-12	20:55:00	00:01:00.0	54.8	52.5	57.5
512	2018-12-12	20:56:00	00:01:00.0	60.7	52.4	71.9
513	2018-12-12	20:57:00	00:01:00.0	55.8	51.8	59.1
514	2018-12-12	20:58:00	00:01:00.0	57.4	52.4	64.4
515	2018-12-12	20:59:00	00:01:00.0	57.5	53.8	63.7
516	2018-12-12	21:00:00	00:01:00.0	57.9	54.1	61.7
517	2018-12-12	21:01:00	00:01:00.0	57.1	53.4	61.0
518	2018-12-12	21:02:00	00:01:00.0	58.1	54.7	61.7
519	2018-12-12	21:03:00	00:01:00.0	56.5	53.7	59.9
520	2018-12-12	21:04:00	00:01:00.0	58.1	55.1	60.7
521	2018-12-12	21:05:00	00:01:00.0	58.8	54.5	61.2
522	2018-12-12	21:06:00	00:01:00.0	57.3	53.4	60.6
523	2018-12-12	21:07:00	00:01:00.0	56.7	54.0	62.3
524	2018-12-12	21:08:00	00:01:00.0	57.2	54.0	61.0
525	2018-12-12	21:09:00	00:01:00.0	55.1	52.4	59.0
526	2018-12-12	21:10:00	00:01:00.0	57.1	53.1	61.3
527	2018-12-12	21:11:00	00:01:00.0	57.9	53.4	62.1
528	2018-12-12	21:12:00	00:01:00.0	57.3	53.6	60.6
529	2018-12-12	21:13:00	00:01:00.0	56.4	54.0	59.8
530	2018-12-12	21:14:00	00:01:00.0	57.2	52.5	61.1
531	2018-12-12	21:15:00	00:01:00.0	58.7	53.3	62.0
532	2018-12-12	21:16:00	00:01:00.0	56.9	51.9	61.8
533	2018-12-12	21:17:00	00:01:00.0	55.4	52.0	60.0
534	2018-12-12	21:18:00	00:01:00.0	59.4	51.9	69.7
535	2018-12-12	21:19:00	00:01:00.0	58.1	52.5	62.8
536	2018-12-12	21:20:00	00:01:00.0	55.7	51.5	60.1
537	2018-12-12	21:21:00	00:01:00.0	58.1	52.2	63.8
538	2018-12-12	21:22:00	00:01:00.0	54.1	51.4	58.8
539	2018-12-12	21:23:00	00:01:00.0	56.9	51.5	60.7
540	2018-12-12	21:24:00	00:01:00.0	56.2	51.7	61.2
541	2018-12-12	21:25:00	00:01:00.0	61.3	51.6	66.3
542	2018-12-12	21:26:00	00:01:00.0	54.8	51.4	59.5
543	2018-12-12	21:27:00	00:01:00.0	56.4	51.4	60.8
544	2018-12-12	21:28:00	00:01:00.0	52.7	50.0	57.5
545	2018-12-12	21:29:00	00:01:00.0	54.7	50.4	58.1
546	2018-12-12	21:30:00	00:01:00.0	53.1	49.8	56.6
547	2018-12-12	21:31:00	00:01:00.0	55.8	50.6	60.7
548	2018-12-12	21:32:00	00:01:00.0	53.8	50.7	58.7
549	2018-12-12	21:33:00	00:01:00.0	56.9	52.1	61.3

550	2018-12-12	21:34:00	00:01:00.0	53.7	51.3	58.0
551	2018-12-12	21:35:00	00:01:00.0	55.5	50.2	59.1
552	2018-12-12	21:36:00	00:01:00.0	56.7	50.4	60.8
553	2018-12-12	21:37:00	00:01:00.0	56.1	51.5	60.3
554	2018-12-12	21:38:00	00:01:00.0	54.9	50.3	61.6
555	2018-12-12	21:39:00	00:01:00.0	55.2	50.4	59.1
556	2018-12-12	21:40:00	00:01:00.0	55.7	50.8	59.5
557	2018-12-12	21:41:00	00:01:00.0	52.3	50.6	56.2
558	2018-12-12	21:42:00	00:01:00.0	55.7	50.8	59.7
559	2018-12-12	21:43:00	00:01:00.0	55.8	51.5	60.3
560	2018-12-12	21:44:00	00:01:00.0	56.6	53.3	59.4
561	2018-12-12	21:45:00	00:01:00.0	54.6	52.0	58.2
562	2018-12-12	21:46:00	00:01:00.0	55.4	51.0	60.3
563	2018-12-12	21:47:00	00:01:00.0	54.5	50.3	59.4
564	2018-12-12	21:48:00	00:01:00.0	55.4	51.9	61.5
565	2018-12-12	21:49:00	00:01:00.0	55.1	51.3	59.0
566	2018-12-12	21:50:00	00:01:00.0	56.0	51.3	59.8
567	2018-12-12	21:51:00	00:01:00.0	56.8	51.9	61.1
568	2018-12-12	21:52:00	00:01:00.0	56.8	51.1	61.5
569	2018-12-12	21:53:00	00:01:00.0	54.5	50.9	59.2
570	2018-12-12	21:54:00	00:01:00.0	55.2	51.0	59.8
571	2018-12-12	21:55:00	00:01:00.0	55.1	52.6	59.4
572	2018-12-12	21:56:00	00:01:00.0	56.1	51.4	60.4
573	2018-12-12	21:57:00	00:01:00.0	53.4	50.4	57.1
574	2018-12-12	21:58:00	00:01:00.0	54.0	50.7	57.5
575	2018-12-12	21:59:00	00:01:00.0	53.7	51.1	59.7
576	2018-12-12	22:00:00	00:01:00.0	53.4	50.9	59.5
577	2018-12-12	22:01:00	00:01:00.0	58.4	52.8	65.1
578	2018-12-12	22:02:00	00:01:00.0	54.0	51.6	57.8
579	2018-12-12	22:03:00	00:01:00.0	56.0	51.4	61.1
580	2018-12-12	22:04:00	00:01:00.0	58.3	52.1	66.0
581	2018-12-12	22:05:00	00:01:00.0	54.2	52.1	56.8
582	2018-12-12	22:06:00	00:01:00.0	56.4	52.6	59.9
583	2018-12-12	22:07:00	00:01:00.0	53.8	51.4	58.0
584	2018-12-12	22:08:00	00:01:00.0	54.3	51.2	57.7
585	2018-12-12	22:09:00	00:01:00.0	54.5	52.1	57.8
586	2018-12-12	22:10:00	00:01:00.0	56.4	53.3	59.3
587	2018-12-12	22:11:00	00:01:00.0	55.4	52.9	60.0
588	2018-12-12	22:12:00	00:01:00.0	55.3	51.3	59.9
589	2018-12-12	22:13:00	00:01:00.0	55.1	51.9	59.6
590	2018-12-12	22:14:00	00:01:00.0	55.8	53.2	59.0
591	2018-12-12	22:15:00	00:01:00.0	56.1	50.4	64.2
592	2018-12-12	22:16:00	00:01:00.0	53.3	49.9	58.6
593	2018-12-12	22:17:00	00:01:00.0	55.3	51.4	57.9
594	2018-12-12	22:18:00	00:01:00.0	54.5	50.7	61.0
595	2018-12-12	22:19:00	00:01:00.0	54.7	50.3	61.3
596	2018-12-12	22:20:00	00:01:00.0	56.8	50.4	60.8

597	2018-12-12	22:21:00	00:01:00.0	54.8	50.5	59.4
598	2018-12-12	22:22:00	00:01:00.0	54.9	51.1	60.1
599	2018-12-12	22:23:00	00:01:00.0	52.2	50.5	55.0
600	2018-12-12	22:24:00	00:01:00.0	54.1	50.6	58.7
601	2018-12-12	22:25:00	00:01:00.0	55.9	52.8	58.6
602	2018-12-12	22:26:00	00:01:00.0	55.8	49.9	62.0
603	2018-12-12	22:27:00	00:01:00.0	53.8	49.9	56.8
604	2018-12-12	22:28:00	00:01:00.0	59.4	51.7	68.6
605	2018-12-12	22:29:00	00:01:00.0	53.9	50.3	58.7
606	2018-12-12	22:30:00	00:01:00.0	56.5	52.8	60.5
607	2018-12-12	22:31:00	00:01:00.0	55.8	52.1	59.7
608	2018-12-12	22:32:00	00:01:00.0	56.3	51.8	60.9
609	2018-12-12	22:33:00	00:01:00.0	55.4	50.1	60.9
610	2018-12-12	22:34:00	00:01:00.0	54.3	50.7	59.7
611	2018-12-12	22:35:00	00:01:00.0	58.3	52.8	67.1
612	2018-12-12	22:36:00	00:01:00.0	56.8	52.6	61.6
613	2018-12-12	22:37:00	00:01:00.0	55.3	52.1	59.2
614	2018-12-12	22:38:00	00:01:00.0	54.5	50.7	60.0
615	2018-12-12	22:39:00	00:01:00.0	57.9	50.8	66.5
616	2018-12-12	22:40:00	00:01:00.0	55.0	51.0	60.4
617	2018-12-12	22:41:00	00:01:00.0	56.4	51.7	62.5
618	2018-12-12	22:42:00	00:01:00.0	55.3	51.2	61.6
619	2018-12-12	22:43:00	00:01:00.0	54.2	51.9	57.6
620	2018-12-12	22:44:00	00:01:00.0	54.7	50.5	58.8
621	2018-12-12	22:45:00	00:01:00.0	54.8	50.0	59.7
622	2018-12-12	22:46:00	00:01:00.0	55.2	50.0	60.1
623	2018-12-12	22:47:00	00:01:00.0	53.4	49.5	59.3
624	2018-12-12	22:48:00	00:01:00.0	54.3	49.8	60.2
625	2018-12-12	22:49:00	00:01:00.0	55.3	50.2	59.3
626	2018-12-12	22:50:00	00:01:00.0	53.8	49.9	59.3
627	2018-12-12	22:51:00	00:01:00.0	54.1	50.2	58.2
628	2018-12-12	22:52:00	00:01:00.0	52.7	49.8	58.7
629	2018-12-12	22:53:00	00:01:00.0	55.1	51.2	57.4
630	2018-12-12	22:54:00	00:01:00.0	55.4	52.5	59.9
631	2018-12-12	22:55:00	00:01:00.0	54.8	51.9	57.5
632	2018-12-12	22:56:00	00:01:00.0	54.9	51.5	58.5
633	2018-12-12	22:57:00	00:01:00.0	54.1	51.6	59.9
634	2018-12-12	22:58:00	00:01:00.0	56.2	51.5	59.0
635	2018-12-12	22:59:00	00:01:00.0	55.5	51.8	58.9
636	2018-12-12	23:00:00	00:01:00.0	56.4	51.9	60.6
637	2018-12-12	23:01:00	00:01:00.0	52.7	50.8	57.0
638	2018-12-12	23:02:00	00:01:00.0	54.1	51.6	57.9
639	2018-12-12	23:03:00	00:01:00.0	54.0	50.7	57.5
640	2018-12-12	23:04:00	00:01:00.0	53.2	51.6	57.1
641	2018-12-12	23:05:00	00:01:00.0	58.8	52.8	69.1
642	2018-12-12	23:06:00	00:01:00.0	56.1	55.2	57.4
643	2018-12-12	23:07:00	00:01:00.0	57.2	55.5	59.0

644	2018-12-12	23:08:00	00:01:00.0	56.2	54.4	58.2
645	2018-12-12	23:09:00	00:01:00.0	56.2	53.1	60.1
646	2018-12-12	23:10:00	00:01:00.0	53.5	51.9	55.8
647	2018-12-12	23:11:00	00:01:00.0	53.2	49.6	58.1
648	2018-12-12	23:12:00	00:01:00.0	55.9	50.3	65.7
649	2018-12-12	23:13:00	00:01:00.0	52.5	50.0	55.6
650	2018-12-12	23:14:00	00:01:00.0	54.7	50.5	59.9
651	2018-12-12	23:15:00	00:01:00.0	54.9	51.9	59.3
652	2018-12-12	23:16:00	00:01:00.0	54.9	52.9	57.9
653	2018-12-12	23:17:00	00:01:00.0	55.1	52.3	58.7
654	2018-12-12	23:18:00	00:01:00.0	53.5	50.6	57.0
655	2018-12-12	23:19:00	00:01:00.0	52.9	49.8	56.9
656	2018-12-12	23:20:00	00:01:00.0	51.3	49.8	52.9
657	2018-12-12	23:21:00	00:01:00.0	52.9	49.9	56.3
658	2018-12-12	23:22:00	00:01:00.0	54.4	51.6	58.0
659	2018-12-12	23:23:00	00:01:00.0	53.8	50.2	57.0
660	2018-12-12	23:24:00	00:01:00.0	51.6	50.2	55.9
661	2018-12-12	23:25:00	00:01:00.0	50.6	49.6	52.9
662	2018-12-12	23:26:00	00:01:00.0	53.7	49.6	59.2
663	2018-12-12	23:27:00	00:01:00.0	50.3	48.8	52.8
664	2018-12-12	23:28:00	00:01:00.0	54.0	49.5	58.7
665	2018-12-12	23:29:00	00:01:00.0	52.9	50.0	57.1
666	2018-12-12	23:30:00	00:01:00.0	52.8	50.1	58.4
667	2018-12-12	23:31:00	00:01:00.0	54.5	51.0	60.2
668	2018-12-12	23:32:00	00:01:00.0	52.2	50.5	56.0
669	2018-12-12	23:33:00	00:01:00.0	56.0	51.4	62.1
670	2018-12-12	23:34:00	00:01:00.0	56.2	52.7	63.8
671	2018-12-12	23:35:00	00:01:00.0	54.7	52.7	57.1
672	2018-12-12	23:36:00	00:01:00.0	58.2	51.7	66.2
673	2018-12-12	23:37:00	00:01:00.0	53.2	50.6	57.8
674	2018-12-12	23:38:00	00:01:00.0	54.5	51.2	57.6
675	2018-12-12	23:39:00	00:01:00.0	55.2	51.8	59.6
676	2018-12-12	23:40:00	00:01:00.0	53.6	51.9	56.1
677	2018-12-12	23:41:00	00:01:00.0	53.2	52.0	56.1
678	2018-12-12	23:42:00	00:01:00.0	55.8	52.6	59.5
679	2018-12-12	23:43:00	00:01:00.0	56.1	53.4	60.3
680	2018-12-12	23:44:00	00:01:00.0	54.6	52.5	59.5
681	2018-12-12	23:45:00	00:01:00.0	55.7	53.7	59.1
682	2018-12-12	23:46:00	00:01:00.0	55.3	53.6	58.5
683	2018-12-12	23:47:00	00:01:00.0	56.1	52.9	59.2
684	2018-12-12	23:48:00	00:01:00.0	54.5	52.0	57.9
685	2018-12-12	23:49:00	00:01:00.0	52.9	51.5	56.0
686	2018-12-12	23:50:00	00:01:00.0	53.5	51.9	57.8
687	2018-12-12	23:51:00	00:01:00.0	53.4	51.8	58.2
688	2018-12-12	23:52:00	00:01:00.0	55.6	52.3	59.3
689	2018-12-12	23:53:00	00:01:00.0	53.1	51.3	55.8
690	2018-12-12	23:54:00	00:01:00.0	54.1	52.5	56.7

691	2018-12-12	23:55:00	00:01:00.0	52.7	50.9	55.3
692	2018-12-12	23:56:00	00:01:00.0	53.5	50.2	57.8
693	2018-12-12	23:57:00	00:01:00.0	54.3	50.4	58.3
694	2018-12-12	23:58:00	00:01:00.0	52.6	50.5	56.4
695	2018-12-12	23:59:00	00:01:00.0	52.6	50.6	55.9
696	2018-12-13	00:00:00	00:01:00.0	53.7	50.6	59.6
697	2018-12-13	00:01:00	00:01:00.0	55.1	51.3	59.1
698	2018-12-13	00:02:00	00:01:00.0	54.2	51.7	57.7
699	2018-12-13	00:03:00	00:01:00.0	53.0	51.0	56.4
700	2018-12-13	00:04:00	00:01:00.0	54.6	51.7	59.4
701	2018-12-13	00:05:00	00:01:00.0	53.1	51.7	56.4
702	2018-12-13	00:06:00	00:01:00.0	53.3	51.2	57.3
703	2018-12-13	00:07:00	00:01:00.0	53.0	50.7	58.4
704	2018-12-13	00:08:00	00:01:00.0	52.4	50.6	57.5
705	2018-12-13	00:09:00	00:01:00.0	52.8	50.3	57.8
706	2018-12-13	00:10:00	00:01:00.0	54.0	51.2	57.9
707	2018-12-13	00:11:00	00:01:00.0	57.1	51.6	64.8
708	2018-12-13	00:12:00	00:01:00.0	55.4	52.1	58.2
709	2018-12-13	00:13:00	00:01:00.0	51.8	49.6	57.0
710	2018-12-13	00:14:00	00:01:00.0	54.9	51.4	58.6
711	2018-12-13	00:15:00	00:01:00.0	53.8	51.1	57.9
712	2018-12-13	00:16:00	00:01:00.0	51.9	49.4	57.8
713	2018-12-13	00:17:00	00:01:00.0	50.6	48.7	56.5
714	2018-12-13	00:18:00	00:01:00.0	52.8	49.2	59.0
715	2018-12-13	00:19:00	00:01:00.0	48.8	47.7	50.1
716	2018-12-13	00:20:00	00:01:00.0	49.3	47.7	51.7
717	2018-12-13	00:21:00	00:01:00.0	53.8	47.8	62.0
718	2018-12-13	00:22:00	00:01:00.0	51.2	48.0	55.4
719	2018-12-13	00:23:00	00:01:00.0	52.2	49.1	58.7
720	2018-12-13	00:24:00	00:01:00.0	51.0	49.6	53.9
721	2018-12-13	00:25:00	00:01:00.0	52.7	49.8	57.5
722	2018-12-13	00:26:00	00:01:00.0	52.4	50.6	56.0
723	2018-12-13	00:27:00	00:01:00.0	51.9	50.6	55.0
724	2018-12-13	00:28:00	00:01:00.0	53.3	51.0	59.3
725	2018-12-13	00:29:00	00:01:00.0	55.0	51.8	60.5
726	2018-12-13	00:30:00	00:01:00.0	53.5	51.6	57.0
727	2018-12-13	00:31:00	00:01:00.0	54.0	51.6	58.2
728	2018-12-13	00:32:00	00:01:00.0	54.4	52.5	57.3
729	2018-12-13	00:33:00	00:01:00.0	52.5	51.6	54.0
730	2018-12-13	00:34:00	00:01:00.0	53.9	52.0	58.1
731	2018-12-13	00:35:00	00:01:00.0	54.9	51.3	61.7
732	2018-12-13	00:36:00	00:01:00.0	54.0	51.7	57.0
733	2018-12-13	00:37:00	00:01:00.0	54.3	52.2	57.4
734	2018-12-13	00:38:00	00:01:00.0	55.3	52.5	59.2
735	2018-12-13	00:39:00	00:01:00.0	54.0	51.6	57.5
736	2018-12-13	00:40:00	00:01:00.0	54.7	52.8	58.2
737	2018-12-13	00:41:00	00:01:00.0	53.9	51.7	57.2

738	2018-12-13	00:42:00	00:01:00.0	54.8	51.1	59.5
739	2018-12-13	00:43:00	00:01:00.0	54.5	51.7	58.4
740	2018-12-13	00:44:00	00:01:00.0	53.2	51.1	56.2
741	2018-12-13	00:45:00	00:01:00.0	53.7	52.1	58.0
742	2018-12-13	00:46:00	00:01:00.0	52.4	50.8	56.2
743	2018-12-13	00:47:00	00:01:00.0	53.2	51.3	57.7
744	2018-12-13	00:48:00	00:01:00.0	54.0	50.3	58.5
745	2018-12-13	00:49:00	00:01:00.0	65.3	52.0	74.2
746	2018-12-13	00:50:00	00:01:00.0	53.7	49.2	59.6
747	2018-12-13	00:51:00	00:01:00.0	50.2	48.7	52.0
748	2018-12-13	00:52:00	00:01:00.0	51.6	49.0	56.0
749	2018-12-13	00:53:00	00:01:00.0	52.1	49.8	56.3
750	2018-12-13	00:54:00	00:01:00.0	52.2	48.9	56.5
751	2018-12-13	00:55:00	00:01:00.0	51.8	50.1	53.4
752	2018-12-13	00:56:00	00:01:00.0	52.4	50.9	54.2
753	2018-12-13	00:57:00	00:01:00.0	53.5	51.1	56.2
754	2018-12-13	00:58:00	00:01:00.0	54.2	50.0	59.2
755	2018-12-13	00:59:00	00:01:00.0	53.3	51.5	57.5
756	2018-12-13	01:00:00	00:01:00.0	52.8	50.8	57.5
757	2018-12-13	01:01:00	00:01:00.0	53.3	51.2	61.5
758	2018-12-13	01:02:00	00:01:00.0	53.1	50.5	55.8
759	2018-12-13	01:03:00	00:01:00.0	52.9	51.1	55.2
760	2018-12-13	01:04:00	00:01:00.0	51.9	50.5	55.9
761	2018-12-13	01:05:00	00:01:00.0	51.1	49.3	54.5
762	2018-12-13	01:06:00	00:01:00.0	50.6	49.6	53.3
763	2018-12-13	01:07:00	00:01:00.0	52.3	49.5	56.3
764	2018-12-13	01:08:00	00:01:00.0	52.3	49.1	58.6
765	2018-12-13	01:09:00	00:01:00.0	54.7	50.2	61.4
766	2018-12-13	01:10:00	00:01:00.0	51.4	49.5	53.5
767	2018-12-13	01:11:00	00:01:00.0	52.3	49.3	56.8
768	2018-12-13	01:12:00	00:01:00.0	53.2	50.5	59.3
769	2018-12-13	01:13:00	00:01:00.0	53.2	50.3	57.7
770	2018-12-13	01:14:00	00:01:00.0	52.5	50.2	57.3
771	2018-12-13	01:15:00	00:01:00.0	53.3	49.4	58.3
772	2018-12-13	01:16:00	00:01:00.0	51.7	49.6	56.0
773	2018-12-13	01:17:00	00:01:00.0	54.1	50.3	59.9
774	2018-12-13	01:18:00	00:01:00.0	53.9	50.3	59.8
775	2018-12-13	01:19:00	00:01:00.0	55.7	49.8	61.1
776	2018-12-13	01:20:00	00:01:00.0	50.7	49.0	53.1
777	2018-12-13	01:21:00	00:01:00.0	52.7	50.6	56.4
778	2018-12-13	01:22:00	00:01:00.0	51.0	49.3	53.4
779	2018-12-13	01:23:00	00:01:00.0	53.7	49.9	59.2
780	2018-12-13	01:24:00	00:01:00.0	51.5	49.6	55.9
781	2018-12-13	01:25:00	00:01:00.0	53.8	50.3	58.7
782	2018-12-13	01:26:00	00:01:00.0	51.9	49.5	56.8
783	2018-12-13	01:27:00	00:01:00.0	52.4	49.7	56.0
784	2018-12-13	01:28:00	00:01:00.0	51.1	49.1	55.1

785	2018-12-13	01:29:00	00:01:00.0	52.1	49.3	58.0
786	2018-12-13	01:30:00	00:01:00.0	50.9	48.5	56.2
787	2018-12-13	01:31:00	00:01:00.0	52.7	50.5	57.0
788	2018-12-13	01:32:00	00:01:00.0	51.0	50.2	52.1
789	2018-12-13	01:33:00	00:01:00.0	51.6	50.5	53.5
790	2018-12-13	01:34:00	00:01:00.0	52.9	50.1	57.2
791	2018-12-13	01:35:00	00:01:00.0	56.3	50.3	66.6
792	2018-12-13	01:36:00	00:01:00.0	53.0	50.3	57.6
793	2018-12-13	01:37:00	00:01:00.0	54.3	52.0	57.8
794	2018-12-13	01:38:00	00:01:00.0	53.1	50.9	56.3
795	2018-12-13	01:39:00	00:01:00.0	53.4	49.7	60.3
796	2018-12-13	01:40:00	00:01:00.0	52.9	49.9	57.6
797	2018-12-13	01:41:00	00:01:00.0	54.3	50.7	58.2
798	2018-12-13	01:42:00	00:01:00.0	52.5	49.7	56.6
799	2018-12-13	01:43:00	00:01:00.0	51.9	49.8	54.2
800	2018-12-13	01:44:00	00:01:00.0	54.1	51.2	57.1
801	2018-12-13	01:45:00	00:01:00.0	54.9	51.4	59.4
802	2018-12-13	01:46:00	00:01:00.0	53.9	49.8	59.0
803	2018-12-13	01:47:00	00:01:00.0	56.3	50.6	68.0
804	2018-12-13	01:48:00	00:01:00.0	51.8	49.8	56.5
805	2018-12-13	01:49:00	00:01:00.0	52.8	49.8	56.0
806	2018-12-13	01:50:00	00:01:00.0	53.1	49.6	57.6
807	2018-12-13	01:51:00	00:01:00.0	52.0	50.4	55.6
808	2018-12-13	01:52:00	00:01:00.0	52.2	50.0	54.6
809	2018-12-13	01:53:00	00:01:00.0	53.0	51.1	56.9
810	2018-12-13	01:54:00	00:01:00.0	53.4	51.7	58.3
811	2018-12-13	01:55:00	00:01:00.0	52.9	50.4	57.0
812	2018-12-13	01:56:00	00:01:00.0	51.6	50.3	52.5
813	2018-12-13	01:57:00	00:01:00.0	53.2	50.3	58.3
814	2018-12-13	01:58:00	00:01:00.0	53.2	51.0	58.6
815	2018-12-13	01:59:00	00:01:00.0	51.9	50.5	53.3
816	2018-12-13	02:00:00	00:01:00.0	53.2	50.8	60.2
817	2018-12-13	02:01:00	00:01:00.0	52.7	49.8	57.2
818	2018-12-13	02:02:00	00:01:00.0	53.2	50.3	58.8
819	2018-12-13	02:03:00	00:01:00.0	52.3	49.0	55.8
820	2018-12-13	02:04:00	00:01:00.0	57.2	49.4	64.9
821	2018-12-13	02:05:00	00:01:00.0	53.0	49.7	58.0
822	2018-12-13	02:06:00	00:01:00.0	50.1	48.7	54.2
823	2018-12-13	02:07:00	00:01:00.0	50.6	48.3	55.0
824	2018-12-13	02:08:00	00:01:00.0	52.1	50.6	56.2
825	2018-12-13	02:09:00	00:01:00.0	52.7	49.0	59.1
826	2018-12-13	02:10:00	00:01:00.0	53.4	50.7	58.8
827	2018-12-13	02:11:00	00:01:00.0	52.5	49.7	57.3
828	2018-12-13	02:12:00	00:01:00.0	52.0	48.9	57.3
829	2018-12-13	02:13:00	00:01:00.0	51.3	48.8	55.9
830	2018-12-13	02:14:00	00:01:00.0	53.0	48.3	61.5
831	2018-12-13	02:15:00	00:01:00.0	49.7	48.6	55.1

832	2018-12-13	02:16:00	00:01:00.0	52.3	49.7	56.9
833	2018-12-13	02:17:00	00:01:00.0	51.5	49.0	56.1
834	2018-12-13	02:18:00	00:01:00.0	52.0	48.9	57.2
835	2018-12-13	02:19:00	00:01:00.0	52.1	49.0	58.1
836	2018-12-13	02:20:00	00:01:00.0	50.0	48.9	52.4
837	2018-12-13	02:21:00	00:01:00.0	50.5	49.1	53.9
838	2018-12-13	02:22:00	00:01:00.0	50.2	49.3	52.0
839	2018-12-13	02:23:00	00:01:00.0	51.8	47.9	56.6
840	2018-12-13	02:24:00	00:01:00.0	50.6	47.8	56.0
841	2018-12-13	02:25:00	00:01:00.0	52.4	48.4	59.9
842	2018-12-13	02:26:00	00:01:00.0	52.2	49.7	56.9
843	2018-12-13	02:27:00	00:01:00.0	52.8	48.8	57.6
844	2018-12-13	02:28:00	00:01:00.0	51.6	48.5	55.3
845	2018-12-13	02:29:00	00:01:00.0	50.0	48.7	51.5
846	2018-12-13	02:30:00	00:01:00.0	51.8	48.6	57.3
847	2018-12-13	02:31:00	00:01:00.0	52.7	49.1	57.8
848	2018-12-13	02:32:00	00:01:00.0	50.9	48.4	54.3
849	2018-12-13	02:33:00	00:01:00.0	51.2	47.9	57.5
850	2018-12-13	02:34:00	00:01:00.0	49.9	47.8	53.7
851	2018-12-13	02:35:00	00:01:00.0	49.0	47.9	51.8
852	2018-12-13	02:36:00	00:01:00.0	51.7	48.3	56.9
853	2018-12-13	02:37:00	00:01:00.0	51.0	48.4	55.9
854	2018-12-13	02:38:00	00:01:00.0	52.2	49.2	57.4
855	2018-12-13	02:39:00	00:01:00.0	50.9	49.7	52.7
856	2018-12-13	02:40:00	00:01:00.0	52.3	50.0	55.5
857	2018-12-13	02:41:00	00:01:00.0	54.2	52.3	56.5
858	2018-12-13	02:42:00	00:01:00.0	54.1	52.5	57.1
859	2018-12-13	02:43:00	00:01:00.0	54.2	51.9	56.7
860	2018-12-13	02:44:00	00:01:00.0	54.1	50.8	58.7
861	2018-12-13	02:45:00	00:01:00.0	51.4	49.7	54.3
862	2018-12-13	02:46:00	00:01:00.0	53.7	49.6	58.4
863	2018-12-13	02:47:00	00:01:00.0	52.2	50.2	54.2
864	2018-12-13	02:48:00	00:01:00.0	52.8	51.2	54.6
865	2018-12-13	02:49:00	00:01:00.0	51.0	49.5	53.7
866	2018-12-13	02:50:00	00:01:00.0	53.4	49.8	61.3
867	2018-12-13	02:51:00	00:01:00.0	50.7	48.9	55.0
868	2018-12-13	02:52:00	00:01:00.0	49.0	48.2	50.4
869	2018-12-13	02:53:00	00:01:00.0	50.1	48.7	51.8
870	2018-12-13	02:54:00	00:01:00.0	50.6	49.6	52.2
871	2018-12-13	02:55:00	00:01:00.0	53.3	50.0	58.9
872	2018-12-13	02:56:00	00:01:00.0	50.8	49.9	54.2
873	2018-12-13	02:57:00	00:01:00.0	50.2	48.9	54.4
874	2018-12-13	02:58:00	00:01:00.0	48.7	48.0	49.6
875	2018-12-13	02:59:00	00:01:00.0	48.4	47.9	49.3
876	2018-12-13	03:00:00	00:01:00.0	49.6	47.8	51.2
877	2018-12-13	03:01:00	00:01:00.0	51.6	48.1	56.5
878	2018-12-13	03:02:00	00:01:00.0	48.4	47.0	51.7

879	2018-12-13	03:03:00	00:01:00.0	57.2	49.9	63.9
880	2018-12-13	03:04:00	00:01:00.0	53.5	49.8	58.2
881	2018-12-13	03:05:00	00:01:00.0	52.8	47.9	58.9
882	2018-12-13	03:06:00	00:01:00.0	51.9	47.9	56.4
883	2018-12-13	03:07:00	00:01:00.0	53.1	48.0	58.8
884	2018-12-13	03:08:00	00:01:00.0	51.7	49.9	55.5
885	2018-12-13	03:09:00	00:01:00.0	54.6	50.3	59.8
886	2018-12-13	03:10:00	00:01:00.0	52.5	50.2	55.1
887	2018-12-13	03:11:00	00:01:00.0	52.9	49.0	57.7
888	2018-12-13	03:12:00	00:01:00.0	51.9	48.8	54.5
889	2018-12-13	03:13:00	00:01:00.0	53.0	49.6	58.6
890	2018-12-13	03:14:00	00:01:00.0	52.7	49.2	57.9
891	2018-12-13	03:15:00	00:01:00.0	56.1	50.0	63.4
892	2018-12-13	03:16:00	00:01:00.0	64.6	52.3	70.9
893	2018-12-13	03:17:00	00:01:00.0	52.0	49.6	56.1
894	2018-12-13	03:18:00	00:01:00.0	52.4	50.7	57.1
895	2018-12-13	03:19:00	00:01:00.0	52.9	50.1	58.1
896	2018-12-13	03:20:00	00:01:00.0	52.4	48.2	59.7
897	2018-12-13	03:21:00	00:01:00.0	52.0	49.7	56.6
898	2018-12-13	03:22:00	00:01:00.0	52.5	49.1	56.2
899	2018-12-13	03:23:00	00:01:00.0	52.7	49.7	58.3
900	2018-12-13	03:24:00	00:01:00.0	49.9	47.9	53.4
901	2018-12-13	03:25:00	00:01:00.0	53.3	49.1	57.9
902	2018-12-13	03:26:00	00:01:00.0	54.1	49.5	58.0
903	2018-12-13	03:27:00	00:01:00.0	54.5	50.8	60.0
904	2018-12-13	03:28:00	00:01:00.0	54.5	52.4	57.1
905	2018-12-13	03:29:00	00:01:00.0	54.4	50.7	58.6
906	2018-12-13	03:30:00	00:01:00.0	54.0	49.7	58.7
907	2018-12-13	03:31:00	00:01:00.0	54.0	49.7	58.4
908	2018-12-13	03:32:00	00:01:00.0	53.2	50.4	56.8
909	2018-12-13	03:33:00	00:01:00.0	52.8	50.9	54.2
910	2018-12-13	03:34:00	00:01:00.0	52.5	49.2	58.6
911	2018-12-13	03:35:00	00:01:00.0	55.7	50.7	60.2
912	2018-12-13	03:36:00	00:01:00.0	54.1	50.4	58.9
913	2018-12-13	03:37:00	00:01:00.0	56.3	52.0	60.1
914	2018-12-13	03:38:00	00:01:00.0	52.4	50.4	54.4
915	2018-12-13	03:39:00	00:01:00.0	57.0	54.0	60.1
916	2018-12-13	03:40:00	00:01:00.0	55.9	52.6	60.4
917	2018-12-13	03:41:00	00:01:00.0	55.8	51.3	62.1
918	2018-12-13	03:42:00	00:01:00.0	53.4	50.5	58.6
919	2018-12-13	03:43:00	00:01:00.0	55.3	52.9	58.0
920	2018-12-13	03:44:00	00:01:00.0	56.1	52.1	59.8
921	2018-12-13	03:45:00	00:01:00.0	52.2	49.9	57.2
922	2018-12-13	03:46:00	00:01:00.0	54.1	51.3	60.2
923	2018-12-13	03:47:00	00:01:00.0	56.3	53.0	60.3
924	2018-12-13	03:48:00	00:01:00.0	55.8	51.4	60.2
925	2018-12-13	03:49:00	00:01:00.0	54.3	50.7	59.7

926	2018-12-13	03:50:00	00:01:00.0	55.5	49.5	60.6
927	2018-12-13	03:51:00	00:01:00.0	53.1	49.5	60.0
928	2018-12-13	03:52:00	00:01:00.0	55.5	51.4	59.9
929	2018-12-13	03:53:00	00:01:00.0	54.3	52.7	56.8
930	2018-12-13	03:54:00	00:01:00.0	54.9	51.9	58.4
931	2018-12-13	03:55:00	00:01:00.0	55.6	51.7	59.9
932	2018-12-13	03:56:00	00:01:00.0	57.3	53.3	63.1
933	2018-12-13	03:57:00	00:01:00.0	56.6	54.4	59.7
934	2018-12-13	03:58:00	00:01:00.0	56.0	52.1	59.3
935	2018-12-13	03:59:00	00:01:00.0	54.1	51.1	58.1
936	2018-12-13	04:00:00	00:01:00.0	54.3	51.7	57.1
937	2018-12-13	04:01:00	00:01:00.0	56.2	51.9	61.4
938	2018-12-13	04:02:00	00:01:00.0	55.8	52.1	59.0
939	2018-12-13	04:03:00	00:01:00.0	55.5	52.8	57.6
940	2018-12-13	04:04:00	00:01:00.0	55.3	52.1	58.4
941	2018-12-13	04:05:00	00:01:00.0	54.6	52.7	57.6
942	2018-12-13	04:06:00	00:01:00.0	55.8	52.8	60.2
943	2018-12-13	04:07:00	00:01:00.0	53.6	52.2	55.8
944	2018-12-13	04:08:00	00:01:00.0	55.2	52.6	58.4
945	2018-12-13	04:09:00	00:01:00.0	54.9	52.8	57.0
946	2018-12-13	04:10:00	00:01:00.0	57.0	53.0	61.8
947	2018-12-13	04:11:00	00:01:00.0	56.6	53.2	59.7
948	2018-12-13	04:12:00	00:01:00.0	55.5	53.9	59.2
949	2018-12-13	04:13:00	00:01:00.0	55.7	52.6	59.1
950	2018-12-13	04:14:00	00:01:00.0	56.1	52.7	59.5
951	2018-12-13	04:15:00	00:01:00.0	54.1	52.3	56.7
952	2018-12-13	04:16:00	00:01:00.0	55.3	52.9	58.9
953	2018-12-13	04:17:00	00:01:00.0	56.5	54.2	59.1
954	2018-12-13	04:18:00	00:01:00.0	56.7	54.4	59.2
955	2018-12-13	04:19:00	00:01:00.0	56.1	53.7	60.9
956	2018-12-13	04:20:00	00:01:00.0	55.9	53.6	60.2
957	2018-12-13	04:21:00	00:01:00.0	55.1	53.5	57.4
958	2018-12-13	04:22:00	00:01:00.0	55.2	54.2	57.6
959	2018-12-13	04:23:00	00:01:00.0	55.5	54.0	58.2
960	2018-12-13	04:24:00	00:01:00.0	54.8	53.4	56.7
961	2018-12-13	04:25:00	00:01:00.0	57.1	53.8	59.6
962	2018-12-13	04:26:00	00:01:00.0	57.2	53.7	60.6
963	2018-12-13	04:27:00	00:01:00.0	56.4	54.5	60.2
964	2018-12-13	04:28:00	00:01:00.0	56.1	54.7	58.0
965	2018-12-13	04:29:00	00:01:00.0	58.1	54.6	63.8
966	2018-12-13	04:30:00	00:01:00.0	55.9	53.5	59.4
967	2018-12-13	04:31:00	00:01:00.0	55.5	52.0	62.3
968	2018-12-13	04:32:00	00:01:00.0	55.9	53.9	59.1
969	2018-12-13	04:33:00	00:01:00.0	57.1	54.1	61.3
970	2018-12-13	04:34:00	00:01:00.0	56.9	55.0	59.6
971	2018-12-13	04:35:00	00:01:00.0	57.1	53.5	60.9
972	2018-12-13	04:36:00	00:01:00.0	56.1	53.7	59.3

973	2018-12-13	04:37:00	00:01:00.0	58.4	54.4	61.9
974	2018-12-13	04:38:00	00:01:00.0	66.3	54.9	77.8
975	2018-12-13	04:39:00	00:01:00.0	62.3	57.4	73.6
976	2018-12-13	04:40:00	00:01:00.0	59.4	54.5	64.1
977	2018-12-13	04:41:00	00:01:00.0	58.1	54.9	63.0
978	2018-12-13	04:42:00	00:01:00.0	55.9	52.0	61.5
979	2018-12-13	04:43:00	00:01:00.0	57.5	52.9	63.1
980	2018-12-13	04:44:00	00:01:00.0	57.0	52.7	63.7
981	2018-12-13	04:45:00	00:01:00.0	56.8	53.7	60.0
982	2018-12-13	04:46:00	00:01:00.0	57.4	53.6	61.6
983	2018-12-13	04:47:00	00:01:00.0	59.5	53.8	63.3
984	2018-12-13	04:48:00	00:01:00.0	57.5	54.1	62.1
985	2018-12-13	04:49:00	00:01:00.0	60.8	55.3	68.2
986	2018-12-13	04:50:00	00:01:00.0	57.9	55.1	63.7
987	2018-12-13	04:51:00	00:01:00.0	58.0	54.6	62.6
988	2018-12-13	04:52:00	00:01:00.0	55.2	53.7	58.3
989	2018-12-13	04:53:00	00:01:00.0	59.0	53.9	63.4
990	2018-12-13	04:54:00	00:01:00.0	57.9	55.1	62.6
991	2018-12-13	04:55:00	00:01:00.0	57.9	55.2	61.5
992	2018-12-13	04:56:00	00:01:00.0	59.2	54.9	63.8
993	2018-12-13	04:57:00	00:01:00.0	56.9	56.1	58.5
994	2018-12-13	04:58:00	00:01:00.0	59.7	56.9	62.2
995	2018-12-13	04:59:00	00:01:00.0	57.4	55.7	59.6
996	2018-12-13	05:00:00	00:01:00.0	57.4	55.7	60.0
997	2018-12-13	05:01:00	00:01:00.0	57.5	55.5	60.8
998	2018-12-13	05:02:00	00:01:00.0	58.0	54.6	61.5
999	2018-12-13	05:03:00	00:01:00.0	56.0	54.9	58.9
1000	2018-12-13	05:04:00	00:01:00.0	57.7	54.6	61.4
1001	2018-12-13	05:05:00	00:01:00.0	57.3	54.6	60.5
1002	2018-12-13	05:06:00	00:01:00.0	59.1	54.7	65.6
1003	2018-12-13	05:07:00	00:01:00.0	56.0	54.9	57.8
1004	2018-12-13	05:08:00	00:01:00.0	59.1	56.1	61.7
1005	2018-12-13	05:09:00	00:01:00.0	57.2	54.6	62.1
1006	2018-12-13	05:10:00	00:01:00.0	58.3	54.9	63.0
1007	2018-12-13	05:11:00	00:01:00.0	58.0	54.8	62.0
1008	2018-12-13	05:12:00	00:01:00.0	57.3	53.3	63.6
1009	2018-12-13	05:13:00	00:01:00.0	56.9	54.8	60.0
1010	2018-12-13	05:14:00	00:01:00.0	56.9	54.3	61.3
1011	2018-12-13	05:15:00	00:01:00.0	58.6	55.6	61.9
1012	2018-12-13	05:16:00	00:01:00.0	58.1	55.4	63.2
1013	2018-12-13	05:17:00	00:01:00.0	57.1	54.3	59.6
1014	2018-12-13	05:18:00	00:01:00.0	54.4	52.9	59.2
1015	2018-12-13	05:19:00	00:01:00.0	68.6	55.1	81.4
1016	2018-12-13	05:20:00	00:01:00.0	62.2	57.2	77.3
1017	2018-12-13	05:21:00	00:01:00.0	56.6	53.7	60.6
1018	2018-12-13	05:22:00	00:01:00.0	57.2	53.7	60.4
1019	2018-12-13	05:23:00	00:01:00.0	57.1	53.2	62.0

1020	2018-12-13	05:24:00	00:01:00.0	57.4	53.7	61.6
1021	2018-12-13	05:25:00	00:01:00.0	57.3	53.7	61.9
1022	2018-12-13	05:26:00	00:01:00.0	56.7	53.6	59.6
1023	2018-12-13	05:27:00	00:01:00.0	60.8	54.5	67.7
1024	2018-12-13	05:28:00	00:01:00.0	56.9	54.2	60.7
1025	2018-12-13	05:29:00	00:01:00.0	58.8	55.3	64.6
1026	2018-12-13	05:30:00	00:01:00.0	56.8	53.7	60.7
1027	2018-12-13	05:31:00	00:01:00.0	56.9	53.2	61.8
1028	2018-12-13	05:32:00	00:01:00.0	57.8	53.1	63.5
1029	2018-12-13	05:33:00	00:01:00.0	58.8	55.0	62.6
1030	2018-12-13	05:34:00	00:01:00.0	56.5	53.1	61.3
1031	2018-12-13	05:35:00	00:01:00.0	57.3	53.9	62.1
1032	2018-12-13	05:36:00	00:01:00.0	56.0	53.4	60.1
1033	2018-12-13	05:37:00	00:01:00.0	60.0	55.8	66.1
1034	2018-12-13	05:38:00	00:01:00.0	58.1	53.1	62.1
1035	2018-12-13	05:39:00	00:01:00.0	57.4	54.1	61.3
1036	2018-12-13	05:40:00	00:01:00.0	57.3	54.1	60.1
1037	2018-12-13	05:41:00	00:01:00.0	56.6	53.2	59.9
1038	2018-12-13	05:42:00	00:01:00.0	57.5	54.7	60.0
1039	2018-12-13	05:43:00	00:01:00.0	57.2	54.1	62.2
1040	2018-12-13	05:44:00	00:01:00.0	59.5	55.0	65.2
1041	2018-12-13	05:45:00	00:01:00.0	56.1	53.6	59.5
1042	2018-12-13	05:46:00	00:01:00.0	59.1	54.5	62.4
1043	2018-12-13	05:47:00	00:01:00.0	58.4	53.3	62.2
1044	2018-12-13	05:48:00	00:01:00.0	59.0	53.1	63.2
1045	2018-12-13	05:49:00	00:01:00.0	57.7	53.9	62.2
1046	2018-12-13	05:50:00	00:01:00.0	59.0	54.4	64.1
1047	2018-12-13	05:51:00	00:01:00.0	58.4	55.3	62.7
1048	2018-12-13	05:52:00	00:01:00.0	58.2	55.0	63.1
1049	2018-12-13	05:53:00	00:01:00.0	58.6	54.4	62.2
1050	2018-12-13	05:54:00	00:01:00.0	58.9	55.9	61.8
1051	2018-12-13	05:55:00	00:01:00.0	57.2	54.7	59.9
1052	2018-12-13	05:56:00	00:01:00.0	58.9	55.2	61.2
1053	2018-12-13	05:57:00	00:01:00.0	57.1	53.7	64.0
1054	2018-12-13	05:58:00	00:01:00.0	61.2	58.2	65.3
1055	2018-12-13	05:59:00	00:01:00.0	58.0	54.7	64.9
1056	2018-12-13	06:00:00	00:01:00.0	59.0	55.0	63.3
1057	2018-12-13	06:01:00	00:01:00.0	59.2	56.2	62.0
1058	2018-12-13	06:02:00	00:01:00.0	58.7	55.5	61.7
1059	2018-12-13	06:03:00	00:01:00.0	59.2	56.5	64.0
1060	2018-12-13	06:04:00	00:01:00.0	57.4	55.4	59.8
1061	2018-12-13	06:05:00	00:01:00.0	58.0	55.0	61.5
1062	2018-12-13	06:06:00	00:01:00.0	58.1	55.0	60.7
1063	2018-12-13	06:07:00	00:01:00.0	58.2	55.0	63.1
1064	2018-12-13	06:08:00	00:01:00.0	60.2	56.4	64.0
1065	2018-12-13	06:09:00	00:01:00.0	58.2	54.6	64.6
1066	2018-12-13	06:10:00	00:01:00.0	57.5	53.9	62.7

1067	2018-12-13	06:11:00	00:01:00.0	57.0	53.3	61.0
1068	2018-12-13	06:12:00	00:01:00.0	57.4	53.2	62.4
1069	2018-12-13	06:13:00	00:01:00.0	58.5	53.8	65.1
1070	2018-12-13	06:14:00	00:01:00.0	59.3	55.1	63.9
1071	2018-12-13	06:15:00	00:01:00.0	57.3	54.8	63.4
1072	2018-12-13	06:16:00	00:01:00.0	56.8	54.1	59.3
1073	2018-12-13	06:17:00	00:01:00.0	58.8	55.9	61.7
1074	2018-12-13	06:18:00	00:01:00.0	57.8	54.8	60.3
1075	2018-12-13	06:19:00	00:01:00.0	58.2	55.3	61.2
1076	2018-12-13	06:20:00	00:01:00.0	58.9	55.6	63.0
1077	2018-12-13	06:21:00	00:01:00.0	58.3	55.1	62.6
1078	2018-12-13	06:22:00	00:01:00.0	56.2	54.4	60.1
1079	2018-12-13	06:23:00	00:01:00.0	60.4	56.3	62.5
1080	2018-12-13	06:24:00	00:01:00.0	62.2	55.5	70.8
1081	2018-12-13	06:25:00	00:01:00.0	58.7	54.4	63.9
1082	2018-12-13	06:26:00	00:01:00.0	58.0	54.5	61.8
1083	2018-12-13	06:27:00	00:01:00.0	57.6	54.4	61.9
1084	2018-12-13	06:28:00	00:01:00.0	56.8	54.4	60.3
1085	2018-12-13	06:29:00	00:01:00.0	56.2	54.2	59.9
1086	2018-12-13	06:30:00	00:01:00.0	59.0	54.9	63.3
1087	2018-12-13	06:31:00	00:01:00.0	58.9	55.8	63.0
1088	2018-12-13	06:32:00	00:01:00.0	67.0	59.6	72.9
1089	2018-12-13	06:33:00	00:01:00.0	57.8	55.9	60.6
1090	2018-12-13	06:34:00	00:01:00.0	62.2	59.0	64.1
1091	2018-12-13	06:35:00	00:01:00.0	63.0	59.3	66.6
1092	2018-12-13	06:36:00	00:01:00.0	60.3	57.5	65.5
1093	2018-12-13	06:37:00	00:01:00.0	59.1	55.5	64.0
1094	2018-12-13	06:38:00	00:01:00.0	59.7	55.3	63.1
1095	2018-12-13	06:39:00	00:01:00.0	60.0	56.5	63.2
1096	2018-12-13	06:40:00	00:01:00.0	59.1	55.9	61.3
1097	2018-12-13	06:41:00	00:01:00.0	59.3	55.7	63.0
1098	2018-12-13	06:42:00	00:01:00.0	60.4	56.5	64.4
1099	2018-12-13	06:43:00	00:01:00.0	61.1	55.7	64.3
1100	2018-12-13	06:44:00	00:01:00.0	60.2	53.7	69.8
1101	2018-12-13	06:45:00	00:01:00.0	58.7	53.6	64.6
1102	2018-12-13	06:46:00	00:01:00.0	60.4	57.0	64.4
1103	2018-12-13	06:47:00	00:01:00.0	58.8	54.8	63.7
1104	2018-12-13	06:48:00	00:01:00.0	57.6	55.0	62.0
1105	2018-12-13	06:49:00	00:01:00.0	59.8	55.8	63.7
1106	2018-12-13	06:50:00	00:01:00.0	58.5	54.6	62.3
1107	2018-12-13	06:51:00	00:01:00.0	59.0	55.2	62.5
1108	2018-12-13	06:52:00	00:01:00.0	59.0	53.9	62.1
1109	2018-12-13	06:53:00	00:01:00.0	59.5	55.2	62.7
1110	2018-12-13	06:54:00	00:01:00.0	61.3	56.9	63.6
1111	2018-12-13	06:55:00	00:01:00.0	58.4	55.6	61.5
1112	2018-12-13	06:56:00	00:01:00.0	59.5	55.2	63.5
1113	2018-12-13	06:57:00	00:01:00.0	59.4	56.0	63.7

1114	2018-12-13	06:58:00	00:01:00.0	60.1	55.2	64.6
1115	2018-12-13	06:59:00	00:01:00.0	59.7	54.6	64.7
1116	2018-12-13	07:00:00	00:01:00.0	60.7	58.9	62.8
1117	2018-12-13	07:01:00	00:01:00.0	58.7	55.8	62.0
1118	2018-12-13	07:02:00	00:01:00.0	61.1	56.0	69.4
1119	2018-12-13	07:03:00	00:01:00.0	58.5	54.6	69.0
1120	2018-12-13	07:04:00	00:01:00.0	61.1	56.8	69.1
1121	2018-12-13	07:05:00	00:01:00.0	73.0	60.2	84.5
1122	2018-12-13	07:06:00	00:01:00.0	59.5	55.0	65.4
1123	2018-12-13	07:07:00	00:01:00.0	59.8	55.6	62.6
1124	2018-12-13	07:08:00	00:01:00.0	58.3	55.0	61.3
1125	2018-12-13	07:09:00	00:01:00.0	59.6	56.1	62.4
1126	2018-12-13	07:10:00	00:01:00.0	60.5	56.3	65.4
1127	2018-12-13	07:11:00	00:01:00.0	60.1	56.2	63.6
1128	2018-12-13	07:12:00	00:01:00.0	59.2	56.7	61.4
1129	2018-12-13	07:13:00	00:01:00.0	60.6	56.7	63.9
1130	2018-12-13	07:14:00	00:01:00.0	59.0	56.5	61.2
1131	2018-12-13	07:15:00	00:01:00.0	60.1	56.6	62.5
1132	2018-12-13	07:16:00	00:01:00.0	58.5	55.4	61.9
1133	2018-12-13	07:17:00	00:01:00.0	58.8	55.8	61.8
1134	2018-12-13	07:18:00	00:01:00.0	58.2	55.6	63.1
1135	2018-12-13	07:19:00	00:01:00.0	61.7	58.0	64.2
1136	2018-12-13	07:20:00	00:01:00.0	57.4	54.8	61.3
1137	2018-12-13	07:21:00	00:01:00.0	58.1	55.9	60.6
1138	2018-12-13	07:22:00	00:01:00.0	60.8	55.8	67.6
1139	2018-12-13	07:23:00	00:01:00.0	58.4	56.4	61.4
1140	2018-12-13	07:24:00	00:01:00.0	60.0	57.8	62.8
1141	2018-12-13	07:25:00	00:01:00.0	61.6	57.8	64.4
1142	2018-12-13	07:26:00	00:01:00.0	59.6	56.6	67.3
1143	2018-12-13	07:27:00	00:01:00.0	60.7	56.4	63.7
1144	2018-12-13	07:28:00	00:01:00.0	63.6	60.1	70.9
1145	2018-12-13	07:29:00	00:01:00.0	66.9	62.2	72.2
1146	2018-12-13	07:30:00	00:01:00.0	62.5	60.8	65.6
1147	2018-12-13	07:31:00	00:01:00.0	65.4	63.6	67.2
1148	2018-12-13	07:32:00	00:01:00.0	71.0	65.4	74.4
1149	2018-12-13	07:33:00	00:01:00.0	63.5	59.8	69.8
1150	2018-12-13	07:34:00	00:01:00.0	62.7	59.7	65.0
1151	2018-12-13	07:35:00	00:01:00.0	60.8	58.2	64.6
1152	2018-12-13	07:36:00	00:01:00.0	63.0	59.6	66.1
1153	2018-12-13	07:37:00	00:01:00.0	59.3	57.0	64.0
1154	2018-12-13	07:38:00	00:01:00.0	62.4	59.9	65.7
1155	2018-12-13	07:39:00	00:01:00.0	64.5	59.8	71.9
1156	2018-12-13	07:40:00	00:01:00.0	60.1	57.0	64.9
1157	2018-12-13	07:41:00	00:01:00.0	63.2	58.7	68.6
1158	2018-12-13	07:42:00	00:01:00.0	63.3	60.1	65.2
1159	2018-12-13	07:43:00	00:01:00.0	69.2	62.9	73.4
1160	2018-12-13	07:44:00	00:01:00.0	64.0	60.2	67.8

1161	2018-12-13	07:45:00	00:01:00.0	68.5	59.9	73.9
1162	2018-12-13	07:46:00	00:01:00.0	67.3	61.9	73.4
1163	2018-12-13	07:47:00	00:01:00.0	68.3	61.0	72.4
1164	2018-12-13	07:48:00	00:01:00.0	69.2	64.4	72.4
1165	2018-12-13	07:49:00	00:01:00.0	64.4	61.4	67.9
1166	2018-12-13	07:50:00	00:01:00.0	62.6	59.0	66.0
1167	2018-12-13	07:51:00	00:01:00.0	63.6	60.6	67.7
1168	2018-12-13	07:52:00	00:01:00.0	69.0	58.9	79.0
1169	2018-12-13	07:53:00	00:01:00.0	79.2	72.2	85.2
1170	2018-12-13	07:54:00	00:01:00.0	81.1	73.6	85.5
1171	2018-12-13	07:55:00	00:01:00.0	82.2	75.0	89.5
1172	2018-12-13	07:56:00	00:01:00.0	82.6	57.5	90.6
1173	2018-12-13	07:57:00	00:01:00.0	62.2	58.6	72.8
1174	2018-12-13	07:58:00	00:01:00.0	62.3	57.1	70.3
1175	2018-12-13	07:59:00	00:01:00.0	69.3	61.1	77.4
1176	2018-12-13	08:00:00	00:01:00.0	71.6	57.8	81.8
1177	2018-12-13	08:01:00	00:01:00.0	64.4	58.5	78.5
1178	2018-12-13	08:02:00	00:01:00.0	78.1	57.3	83.3
1179	2018-12-13	08:03:00	00:01:00.0	93.0	57.7	110.0
1180	2018-12-13	08:04:00	00:01:00.0	65.9	58.9	72.7
1181	2018-12-13	08:05:00	00:01:00.0	74.1	58.1	81.7
1182	2018-12-13	08:06:00	00:01:00.0	71.0	66.5	74.9
1183	2018-12-13	08:07:00	00:01:00.0	84.7	70.3	93.3
1184	2018-12-13	08:08:00	00:01:00.0	78.0	71.8	83.7
1185	2018-12-13	08:09:00	00:01:00.0	77.9	62.3	85.4
1186	2018-12-13	08:10:00	00:01:00.0	71.1	63.6	75.8
1187	2018-12-13	08:11:00	00:01:00.0	81.5	64.2	89.1
1188	2018-12-13	08:12:00	00:01:00.0	86.1	73.2	93.3
1189	2018-12-13	08:13:00	00:01:00.0	85.1	77.1	92.7
1190	2018-12-13	08:14:00	00:01:00.0	83.3	73.3	88.8
1191	2018-12-13	08:15:00	00:01:00.0	75.4	67.5	86.7
1192	2018-12-13	08:16:00	00:01:00.0	70.0	58.4	74.8
1193	2018-12-13	08:17:00	00:01:00.0	66.5	62.2	70.1
1194	2018-12-13	08:18:00	00:01:00.0	73.2	62.1	78.2
1195	2018-12-13	08:19:00	00:01:00.0	67.5	57.0	72.6
1196	2018-12-13	08:20:00	00:01:00.0	62.5	59.3	64.9
1197	2018-12-13	08:21:00	00:01:00.0	60.7	55.3	65.9
1198	2018-12-13	08:22:00	00:01:00.0	79.2	62.7	86.9
1199	2018-12-13	08:23:00	00:01:00.0	85.2	60.9	95.5
1200	2018-12-13	08:24:00	00:01:00.0	64.9	57.4	70.2
1201	2018-12-13	08:25:00	00:01:00.0	62.1	57.6	68.6
1202	2018-12-13	08:26:00	00:01:00.0	67.1	55.4	78.0
1203	2018-12-13	08:27:00	00:01:00.0	58.7	53.9	62.1
1204	2018-12-13	08:28:00	00:01:00.0	58.7	54.1	62.1
1205	2018-12-13	08:29:00	00:01:00.0	65.1	56.9	71.5
1206	2018-12-13	08:30:00	00:01:00.0	59.2	56.7	62.3
1207	2018-12-13	08:31:00	00:01:00.0	60.0	56.3	62.9

1208	2018-12-13	08:32:00	00:01:00.0	58.3	55.7	60.9
1209	2018-12-13	08:33:00	00:01:00.0	59.7	55.5	62.7
1210	2018-12-13	08:34:00	00:01:00.0	58.7	55.8	62.1
1211	2018-12-13	08:35:00	00:01:00.0	59.3	56.1	63.7
1212	2018-12-13	08:36:00	00:01:00.0	57.9	55.1	60.4
1213	2018-12-13	08:37:00	00:01:00.0	56.1	54.2	59.7
1214	2018-12-13	08:38:00	00:01:00.0	60.0	57.2	62.2
1215	2018-12-13	08:39:00	00:01:00.0	59.6	57.3	61.7
1216	2018-12-13	08:40:00	00:01:00.0	63.9	58.0	74.4
1217	2018-12-13	08:41:00	00:01:00.0	60.0	57.5	63.1
1218	2018-12-13	08:42:00	00:01:00.0	63.2	56.5	68.9
1219	2018-12-13	08:43:00	00:01:00.0	78.3	60.7	86.7
1220	2018-12-13	08:44:00	00:01:00.0	78.9	63.0	90.1
1221	2018-12-13	08:45:00	00:01:00.0	72.5	55.6	78.0
1222	2018-12-13	08:46:00	00:01:00.0	57.8	55.6	61.1
1223	2018-12-13	08:47:00	00:01:00.0	58.1	54.7	60.8
1224	2018-12-13	08:48:00	00:01:00.0	58.7	54.7	62.4
1225	2018-12-13	08:49:00	00:01:00.0	60.0	54.7	66.3
1226	2018-12-13	08:50:00	00:01:00.0	60.3	56.0	66.5
1227	2018-12-13	08:51:00	00:01:00.0	59.9	53.8	64.3
1228	2018-12-13	08:52:00	00:01:00.0	58.2	54.3	61.6
1229	2018-12-13	08:53:00	00:01:00.0	58.9	53.5	62.8
1230	2018-12-13	08:54:00	00:01:00.0	60.2	54.8	65.2
1231	2018-12-13	08:55:00	00:01:00.0	59.9	55.7	63.6
1232	2018-12-13	08:56:00	00:01:00.0	60.0	54.6	69.4
1233	2018-12-13	08:57:00	00:01:00.0	59.2	54.1	67.1
1234	2018-12-13	08:58:00	00:01:00.0	59.7	56.4	61.8
1235	2018-12-13	08:59:00	00:01:00.0	59.2	54.7	63.4
1236	2018-12-13	09:00:00	00:01:00.0	58.6	54.4	62.2
1237	2018-12-13	09:01:00	00:01:00.0	57.0	53.1	62.3
1238	2018-12-13	09:02:00	00:01:00.0	58.1	53.8	61.1
1239	2018-12-13	09:03:00	00:01:00.0	60.5	54.6	66.0
1240	2018-12-13	09:04:00	00:01:00.0	57.6	53.6	64.3
1241	2018-12-13	09:05:00	00:01:00.0	63.1	54.2	72.6
1242	2018-12-13	09:06:00	00:01:00.0	57.1	54.5	60.7
1243	2018-12-13	09:07:00	00:01:00.0	59.4	54.9	62.6
1244	2018-12-13	09:08:00	00:01:00.0	57.2	52.3	61.0
1245	2018-12-13	09:09:00	00:01:00.0	57.4	52.6	62.4
1246	2018-12-13	09:10:00	00:01:00.0	58.1	52.5	63.1
1247	2018-12-13	09:11:00	00:01:00.0	60.6	52.5	73.2
1248	2018-12-13	09:12:00	00:01:00.0	56.7	53.7	59.9
1249	2018-12-13	09:13:00	00:01:00.0	61.8	55.5	66.9
1250	2018-12-13	09:14:00	00:01:00.0	58.6	53.6	66.8
1251	2018-12-13	09:15:00	00:01:00.0	58.4	52.2	64.2
1252	2018-12-13	09:16:00	00:01:00.0	59.1	53.5	67.3
1253	2018-12-13	09:17:00	00:01:00.0	60.7	51.1	74.3
1254	2018-12-13	09:18:00	00:01:00.0	60.4	54.4	65.8

1255	2018-12-13	09:19:00	00:01:00.0	58.2	51.4	61.8
1256	2018-12-13	09:20:00	00:01:00.0	56.1	51.3	60.6
1257	2018-12-13	09:21:00	00:01:00.0	59.0	51.8	63.8
1258	2018-12-13	09:22:00	00:01:00.0	58.2	52.5	64.0
1259	2018-12-13	09:23:00	00:01:00.0	58.9	54.3	67.2
1260	2018-12-13	09:24:00	00:01:00.0	57.7	52.3	62.8
1261	2018-12-13	09:25:00	00:01:00.0	58.5	52.8	66.2
1262	2018-12-13	09:26:00	00:01:00.0	55.8	52.3	60.1
1263	2018-12-13	09:27:00	00:01:00.0	57.7	51.0	62.9
1264	2018-12-13	09:28:00	00:01:00.0	57.0	50.7	63.3
1265	2018-12-13	09:29:00	00:01:00.0	57.5	52.1	63.4
1266	2018-12-13	09:30:00	00:01:00.0	61.5	52.0	70.9
1267	2018-12-13	09:31:00	00:01:00.0	59.3	54.0	66.1
1268	2018-12-13	09:32:00	00:01:00.0	57.5	52.3	65.9
1269	2018-12-13	09:33:00	00:01:00.0	58.1	52.9	62.7
1270	2018-12-13	09:34:00	00:01:00.0	54.7	52.2	59.2
1271	2018-12-13	09:35:00	00:01:00.0	57.6	51.3	61.1
1272	2018-12-13	09:36:00	00:01:00.0	56.8	53.2	60.0
1273	2018-12-13	09:37:00	00:01:00.0	56.0	52.2	60.3
1274	2018-12-13	09:38:00	00:01:00.0	57.5	51.1	63.0
1275	2018-12-13	09:39:00	00:01:00.0	57.3	51.0	63.5
1276	2018-12-13	09:40:00	00:01:00.0	54.2	50.1	57.7
1277	2018-12-13	09:41:00	00:01:00.0	58.2	53.8	63.2
1278	2018-12-13	09:42:00	00:01:00.0	58.6	52.3	65.0
1279	2018-12-13	09:43:00	00:01:00.0	58.6	54.4	65.8
1280	2018-12-13	09:44:00	00:01:00.0	57.0	52.2	62.4
1281	2018-12-13	09:45:00	00:01:00.0	57.7	51.6	62.8
1282	2018-12-13	09:46:00	00:01:00.0	57.0	51.1	62.8
1283	2018-12-13	09:47:00	00:01:00.0	56.6	51.8	63.4
1284	2018-12-13	09:48:00	00:01:00.0	57.1	52.4	62.0
1285	2018-12-13	09:49:00	00:01:00.0	61.5	53.2	70.0
1286	2018-12-13	09:50:00	00:01:00.0	55.1	50.2	59.7
1287	2018-12-13	09:51:00	00:01:00.0	57.6	50.8	65.5
1288	2018-12-13	09:52:00	00:01:00.0	59.0	50.3	69.9
1289	2018-12-13	09:53:00	00:01:00.0	57.7	54.1	61.9
1290	2018-12-13	09:54:00	00:01:00.0	57.3	52.9	61.0
1291	2018-12-13	09:55:00	00:01:00.0	58.1	53.8	63.5
1292	2018-12-13	09:56:00	00:01:00.0	70.1	54.4	81.4
1293	2018-12-13	09:57:00	00:01:00.0	56.8	53.0	62.3
1294	2018-12-13	09:58:00	00:01:00.0	53.2	49.3	57.0
1295	2018-12-13	09:59:00	00:01:00.0	55.6	50.9	58.6
1296	2018-12-13	10:00:00	00:01:00.0	53.2	49.6	55.5
1297	2018-12-13	10:01:00	00:01:00.0	56.5	52.5	62.1
1298	2018-12-13	10:02:00	00:01:00.0	58.7	52.5	67.2
1299	2018-12-13	10:03:00	00:01:00.0	58.7	53.2	61.7
1300	2018-12-13	10:04:00	00:01:00.0	58.5	51.8	65.3
1301	2018-12-13	10:05:00	00:01:00.0	57.4	52.8	64.2

1302	2018-12-13	10:06:00	00:01:00.0	57.4	49.8	65.7
1303	2018-12-13	10:07:00	00:01:00.0	55.6	50.9	58.8
1304	2018-12-13	10:08:00	00:01:00.0	54.2	50.9	60.3
1305	2018-12-13	10:09:00	00:01:00.0	56.0	50.6	59.9
1306	2018-12-13	10:10:00	00:01:00.0	60.2	50.9	73.0
1307	2018-12-13	10:11:00	00:01:00.0	57.4	51.5	60.8
1308	2018-12-13	10:12:00	00:01:00.0	56.6	52.1	60.5
1309	2018-12-13	10:13:00	00:01:00.0	58.4	50.8	66.1
1310	2018-12-13	10:14:00	00:01:00.0	59.0	50.9	67.3
1311	2018-12-13	10:15:00	00:01:00.0	56.5	52.1	59.8
1312	2018-12-13	10:16:00	00:01:00.0	56.5	50.2	60.6
1313	2018-12-13	10:17:00	00:01:00.0	55.7	50.8	59.1
1314	2018-12-13	10:18:00	00:01:00.0	55.3	51.1	61.3
1315	2018-12-13	10:19:00	00:01:00.0	56.9	52.2	60.6
1316	2018-12-13	10:20:00	00:01:00.0	55.9	51.8	58.6
1317	2018-12-13	10:21:00	00:01:00.0	60.8	51.5	71.2
1318	2018-12-13	10:22:00	00:01:00.0	55.6	51.6	59.6
1319	2018-12-13	10:23:00	00:01:00.0	58.2	51.5	68.7
1320	2018-12-13	10:24:00	00:01:00.0	56.1	52.7	61.4
1321	2018-12-13	10:25:00	00:01:00.0	55.9	51.2	58.9
1322	2018-12-13	10:26:00	00:01:00.0	55.3	51.0	66.2
1323	2018-12-13	10:27:00	00:01:00.0	56.0	51.7	59.7
1324	2018-12-13	10:28:00	00:01:00.0	53.0	50.7	55.9
1325	2018-12-13	10:29:00	00:01:00.0	59.8	52.5	69.3
1326	2018-12-13	10:30:00	00:01:00.0	55.3	52.5	59.9
1327	2018-12-13	10:31:00	00:01:00.0	55.8	51.2	59.7
1328	2018-12-13	10:32:00	00:01:00.0	55.8	50.5	61.2
1329	2018-12-13	10:33:00	00:01:00.0	57.2	51.5	62.9
1330	2018-12-13	10:34:00	00:01:00.0	55.2	51.1	58.8
1331	2018-12-13	10:35:00	00:01:00.0	55.8	51.8	59.0
1332	2018-12-13	10:36:00	00:01:00.0	54.9	50.5	59.3
1333	2018-12-13	10:37:00	00:01:00.0	60.0	53.4	67.6
1334	2018-12-13	10:38:00	00:01:00.0	57.2	51.6	63.1
1335	2018-12-13	10:39:00	00:01:00.0	55.7	50.8	61.0
1336	2018-12-13	10:40:00	00:01:00.0	57.6	52.3	64.1
1337	2018-12-13	10:41:00	00:01:00.0	57.5	53.3	64.8
1338	2018-12-13	10:42:00	00:01:00.0	56.1	50.9	61.3
1339	2018-12-13	10:43:00	00:01:00.0	56.7	52.2	61.4
1340	2018-12-13	10:44:00	00:01:00.0	57.5	50.6	63.0
1341	2018-12-13	10:45:00	00:01:00.0	56.9	53.7	59.6
1342	2018-12-13	10:46:00	00:01:00.0	57.8	53.8	62.1
1343	2018-12-13	10:47:00	00:01:00.0	57.7	53.8	62.2
1344	2018-12-13	10:48:00	00:01:00.0	56.9	52.0	62.5
1345	2018-12-13	10:49:00	00:01:00.0	57.2	52.5	62.3
1346	2018-12-13	10:50:00	00:01:00.0	54.2	51.1	58.1
1347	2018-12-13	10:51:00	00:01:00.0	54.4	49.6	58.4
1348	2018-12-13	10:52:00	00:01:00.0	56.6	50.5	59.6

1349	2018-12-13	10:53:00	00:01:00.0	55.1	51.1	58.9
1350	2018-12-13	10:54:00	00:01:00.0	57.8	52.3	64.5
1351	2018-12-13	10:55:00	00:01:00.0	55.8	51.4	62.4
1352	2018-12-13	10:56:00	00:01:00.0	55.5	51.5	59.3
1353	2018-12-13	10:57:00	00:01:00.0	60.9	52.3	68.8
1354	2018-12-13	10:58:00	00:01:00.0	56.6	50.7	63.1
1355	2018-12-13	10:59:00	00:01:00.0	59.2	52.1	63.6
1356	2018-12-13	11:00:00	00:01:00.0	54.9	50.4	59.6
1357	2018-12-13	11:01:00	00:01:00.0	57.2	52.9	64.4
1358	2018-12-13	11:02:00	00:01:00.0	56.3	50.9	61.3
1359	2018-12-13	11:03:00	00:01:00.0	55.1	50.5	58.7
1360	2018-12-13	11:04:00	00:01:00.0	55.7	50.2	60.7
1361	2018-12-13	11:05:00	00:01:00.0	56.3	51.6	60.9
1362	2018-12-13	11:06:00	00:01:00.0	56.4	50.6	59.5
1363	2018-12-13	11:07:00	00:01:00.0	58.6	50.5	68.3
1364	2018-12-13	11:08:00	00:01:00.0	59.7	53.1	68.1
1365	2018-12-13	11:09:00	00:01:00.0	59.4	52.5	64.1
1366	2018-12-13	11:10:00	00:01:00.0	55.4	51.2	59.8
1367	2018-12-13	11:11:00	00:01:00.0	56.7	52.3	61.3
1368	2018-12-13	11:12:00	00:01:00.0	57.8	51.9	61.3
1369	2018-12-13	11:13:00	00:01:00.0	60.7	54.7	66.3
1370	2018-12-13	11:14:00	00:01:00.0	57.9	53.1	64.1
1371	2018-12-13	11:15:00	00:01:00.0	58.0	51.3	63.2
1372	2018-12-13	11:16:00	00:01:00.0	58.5	52.1	62.5
1373	2018-12-13	11:17:00	00:01:00.0	54.6	50.2	59.9
1374	2018-12-13	11:18:00	00:01:00.0	59.3	53.5	62.9
1375	2018-12-13	11:19:00	00:01:00.0	58.8	51.2	64.9
1376	2018-12-13	11:20:00	00:01:00.0	58.6	52.6	62.9
1377	2018-12-13	11:21:00	00:01:00.0	57.7	52.1	61.9
1378	2018-12-13	11:22:00	00:01:00.0	57.5	51.7	60.3
1379	2018-12-13	11:23:00	00:01:00.0	59.5	53.3	65.0
1380	2018-12-13	11:24:00	00:01:00.0	57.9	53.9	61.9
1381	2018-12-13	11:25:00	00:01:00.0	57.4	51.9	61.0
1382	2018-12-13	11:26:00	00:01:00.0	56.8	52.4	61.5
1383	2018-12-13	11:27:00	00:01:00.0	56.5	50.1	62.2
1384	2018-12-13	11:28:00	00:01:00.0	57.8	51.7	62.3
1385	2018-12-13	11:29:00	00:01:00.0	56.4	52.3	62.7
1386	2018-12-13	11:30:00	00:01:00.0	58.3	49.7	64.2
1387	2018-12-13	11:31:00	00:01:00.0	57.8	49.7	62.1
1388	2018-12-13	11:32:00	00:01:00.0	55.7	51.6	59.6
1389	2018-12-13	11:33:00	00:01:00.0	55.7	50.6	61.3
1390	2018-12-13	11:34:00	00:01:00.0	57.2	51.6	61.4
1391	2018-12-13	11:35:00	00:01:00.0	56.6	50.4	63.3
1392	2018-12-13	11:36:00	00:01:00.0	57.4	50.8	60.6
1393	2018-12-13	11:37:00	00:01:00.0	56.2	50.3	59.6
1394	2018-12-13	11:38:00	00:01:00.0	57.5	51.1	63.3
1395	2018-12-13	11:39:00	00:01:00.0	57.3	52.4	63.0

1396	2018-12-13	11:40:00	00:01:00.0	55.2	49.8	59.2
1397	2018-12-13	11:41:00	00:01:00.0	56.9	52.3	61.1
1398	2018-12-13	11:42:00	00:01:00.0	56.1	51.4	62.3
1399	2018-12-13	11:43:00	00:01:00.0	56.2	51.3	61.1
1400	2018-12-13	11:44:00	00:01:00.0	56.5	50.5	65.3
1401	2018-12-13	11:45:00	00:01:00.0	53.4	50.1	58.7
1402	2018-12-13	11:46:00	00:01:00.0	56.1	52.1	61.3
1403	2018-12-13	11:47:00	00:01:00.0	56.2	52.0	61.5
1404	2018-12-13	11:48:00	00:01:00.0	56.1	51.2	62.7
1405	2018-12-13	11:49:00	00:01:00.0	57.7	51.6	61.5
1406	2018-12-13	11:50:00	00:01:00.0	56.8	52.7	62.5
1407	2018-12-13	11:51:00	00:01:00.0	57.7	54.0	62.4
1408	2018-12-13	11:52:00	00:01:00.0	53.9	51.2	57.7
1409	2018-12-13	11:53:00	00:01:00.0	59.1	51.7	65.2
1410	2018-12-13	11:54:00	00:01:00.0	55.9	51.7	58.5
1411	2018-12-13	11:55:00	00:01:00.0	55.0	51.9	56.9
1412	2018-12-13	11:56:00	00:01:00.0	57.3	52.6	63.7
1413	2018-12-13	11:57:00	00:01:00.0	54.7	51.0	58.1
1414	2018-12-13	11:58:00	00:01:00.0	57.6	52.3	61.6
1415	2018-12-13	11:59:00	00:01:00.0	56.6	51.0	64.2
1416	2018-12-13	12:00:00	00:01:00.0	57.3	52.7	62.9
1417	2018-12-13	12:01:00	00:01:00.0	56.7	51.3	64.1
1418	2018-12-13	12:02:00	00:01:00.0	56.0	51.6	66.2
1419	2018-12-13	12:03:00	00:01:00.0	58.1	51.6	64.7
1420	2018-12-13	12:04:00	00:01:00.0	56.3	51.8	60.3
1421	2018-12-13	12:05:00	00:01:00.0	57.2	52.9	60.1
1422	2018-12-13	12:06:00	00:01:00.0	57.7	51.3	63.6
1423	2018-12-13	12:07:00	00:01:00.0	57.6	51.0	65.9
1424	2018-12-13	12:08:00	00:01:00.0	56.6	52.4	61.0
1425	2018-12-13	12:09:00	00:01:00.0	56.9	51.9	62.0
1426	2018-12-13	12:10:00	00:01:00.0	56.9	51.6	66.5
1427	2018-12-13	12:11:00	00:01:00.0	56.8	51.8	60.8
1428	2018-12-13	12:12:00	00:01:00.0	56.1	52.8	59.9
1429	2018-12-13	12:13:00	00:01:00.0	55.7	50.9	59.3
1430	2018-12-13	12:14:00	00:01:00.0	60.9	52.6	68.8
1431	2018-12-13	12:15:00	00:01:00.0	61.1	53.3	68.9
1432	2018-12-13	12:16:00	00:01:00.0	57.3	52.7	63.3
1433	2018-12-13	12:17:00	00:01:00.0	59.0	52.1	72.2
1434	2018-12-13	12:18:00	00:01:00.0	55.3	52.1	58.0
1435	2018-12-13	12:19:00	00:01:00.0	56.4	53.4	59.4
1436	2018-12-13	12:20:00	00:01:00.0	57.9	54.2	63.4
1437	2018-12-13	12:21:00	00:01:00.0	55.2	52.4	58.9
1438	2018-12-13	12:22:00	00:01:00.0	63.0	52.5	77.5
1439	2018-12-13	12:23:00	00:01:00.0	56.3	50.7	65.2
1440	2018-12-13	12:24:00	00:01:00.0	56.8	54.7	58.3
1441	2018-12-13	12:25:00	00:01:00.0	55.7	51.5	59.3
1442	2018-12-13	12:26:00	00:01:00.0	58.7	52.3	64.3

1443	2018-12-13	12:27:00	00:01:00.0	54.2	50.6	58.4
1444	2018-12-13	12:28:00	00:01:00.0	57.6	51.9	62.3
1445	2018-12-13	12:29:00	00:01:00.0	56.6	51.4	63.7
1446	2018-12-13	12:30:00	00:01:00.0	57.4	51.6	62.9
1447	2018-12-13	12:31:00	00:01:00.0	57.4	51.5	60.7
1448	2018-12-13	12:32:00	00:01:00.0	56.9	51.2	65.0
1449	2018-12-13	12:33:00	00:01:00.0	55.4	50.0	59.9
1450	2018-12-13	12:34:00	00:01:00.0	58.9	51.2	65.7
1451	2018-12-13	12:35:00	00:01:00.0	55.3	51.0	60.2
1452	2018-12-13	12:36:00	00:01:00.0	58.6	51.4	65.2
1453	2018-12-13	12:37:00	00:01:00.0	56.8	50.1	60.9
1454	2018-12-13	12:38:00	00:01:00.0	53.3	51.1	58.0
1455	2018-12-13	12:39:00	00:01:00.0	59.3	49.9	66.2
1456	2018-12-13	12:40:00	00:01:00.0	57.4	52.0	62.3
1457	2018-12-13	12:41:00	00:01:00.0	57.3	51.1	60.5
1458	2018-12-13	12:42:00	00:01:00.0	56.4	52.2	61.0
1459	2018-12-13	12:43:00	00:01:00.0	56.6	51.6	61.3
1460	2018-12-13	12:44:00	00:01:00.0	56.3	51.5	59.5
1461	2018-12-13	12:45:00	00:01:00.0	57.1	52.1	60.0
1462	2018-12-13	12:46:00	00:01:00.0	57.5	51.6	65.7
1463	2018-12-13	12:47:00	00:01:00.0	57.8	51.0	63.0
1464	2018-12-13	12:48:00	00:01:00.0	56.1	52.7	59.5
1465	2018-12-13	12:49:00	00:01:00.0	58.7	52.6	64.3
1466	2018-12-13	12:50:00	00:01:00.0	56.7	54.2	59.2
1467	2018-12-13	12:51:00	00:01:00.0	58.8	55.1	62.1
1468	2018-12-13	12:52:00	00:01:00.0	57.3	50.8	65.0
1469	2018-12-13	12:53:00	00:01:00.0	53.7	50.3	57.7
1470	2018-12-13	12:54:00	00:01:00.0	57.9	50.9	67.7
1471	2018-12-13	12:55:00	00:01:00.0	61.2	53.0	73.4
1472	2018-12-13	12:56:00	00:01:00.0	57.4	53.8	60.8
1473	2018-12-13	12:57:00	00:01:00.0	55.0	51.7	58.9
1474	2018-12-13	12:58:00	00:01:00.0	56.8	51.7	58.9
1475	2018-12-13	12:59:00	00:01:00.0	57.7	53.0	61.4

ATTACHMENT B

NOISE CALCULATIONS

Construction Generated Noise - Construction Phase 1A

Building Type	Office, Hotel, Hospital, School, Public Works		**Distance (ft)**
Construction Noise at 50 Feet (dBA Leq)			50
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	84	84	
Excavation	89	79	
Foundation Construction	78	78	
Building Construction	87	75	
Finishing and Site Cleanup	89	75	

Northwest - Orangewood Park			
Maximum Construction Noise (dBA Leq)			25
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	90	90	
Excavation (Site Preparation)	95	85	
Foundation Construction	84	84	
Building Construction	93	81	
Paving	95	81	
Average Construction Noise (dBA Leq)			310
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	68	68	
Excavation (Site Preparation)	73	63	
Foundation Construction	62	62	
Building Construction	71	59	
Paving	73	59	

Northeast - Multifamily Residential (Torrey Pines)			
Maximum Construction Noise (dBA Leq)			160
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	s
Ground Clearing/Demolition	74	74	
Excavation (Site Preparation)	79	69	
Foundation Construction	68	68	
Building Construction	77	65	
Paving	79	65	
Average Construction Noise (dBA Leq)			220
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	71	71	
Excavation (Site Preparation)	76	66	
Foundation Construction	65	65	
Building Construction	74	62	
Paving	76	62	

Southeast - Single Family Residential Uses Along Sunset Avenue			
Maximum Construction Noise (dBA Leq)			485
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	64	64	
Excavation (Site Preparation)	69	59	
Foundation Construction	58	58	
Building Construction	67	55	
Paving	69	55	
Average Construction Noise (dBA Leq)			700
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	61	61	
Excavation (Site Preparation)	66	56	
Foundation Construction	55	55	
Building Construction	64	52	
Paving	66	52	

Southwest - Edgewood High School			
Maximum Construction Noise (dBA Leq)			900
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	59	59	
Excavation (Site Preparation)	64	54	
Foundation Construction	53	53	
Building Construction	62	50	
Paving	64	50	
Average Construction Noise (dBA Leq)			1,070
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	57	57	
Excavation (Site Preparation)	62	52	
Foundation Construction	51	51	
Building Construction	60	48	
Paving	62	48	

Source: Bolt, Beranek and Newman, "Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances," prepared for the USEPA, December 31, 1971. Based on analysis for Office Building, Hotel, Hospital, School, and Public Works.

Construction Generated Noise - Construction Phase 1B

Building Type	Office, Hotel, Hospital, School, Public Works		**Distance (ft)**
Construction Noise at 50 Feet (dBA Leq)			50
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	84	84	
Excavation	89	79	
Foundation Construction	78	78	
Building Construction	87	75	
Finishing and Site Cleanup	89	75	

Northwest - Orangewood Park

Maximum Construction Noise (dBA Leq)			170
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	73	73	
Excavation (Site Preparation)	78	68	
Foundation Construction	67	67	
Building Construction	76	64	
Paving	78	64	
Average Construction Noise (dBA Leq)			600
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	62	62	
Excavation (Site Preparation)	67	57	
Foundation Construction	56	56	
Building Construction	65	53	
Paving	67	53	

Northeast - Multifamily Residential (Torrey Pines)

Maximum Construction Noise (dBA Leq)			25
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	90	90	
Excavation (Site Preparation)	95	85	
Foundation Construction	84	84	
Building Construction	93	81	
Paving	95	81	
Average Construction Noise (dBA Leq)			200
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	72	72	
Excavation (Site Preparation)	77	67	
Foundation Construction	66	66	
Building Construction	75	63	
Paving	77	63	

Southeast - Single Family Residential Uses Along Sunset Avenue

Maximum Construction Noise (dBA Leq)			490
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	64	64	
Excavation (Site Preparation)	69	59	
Foundation Construction	58	58	
Building Construction	67	55	
Paving	69	55	
Average Construction Noise (dBA Leq)			780
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	60	60	
Excavation (Site Preparation)	65	55	
Foundation Construction	54	54	
Building Construction	63	51	
Paving	65	51	

Southwest - Edgewood High School

Maximum Construction Noise (dBA Leq)			880
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	59	59	
Excavation (Site Preparation)	64	54	
Foundation Construction	53	53	
Building Construction	62	50	
Paving	64	50	
Average Construction Noise (dBA Leq)			1,400
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	55	55	
Excavation (Site Preparation)	60	50	
Foundation Construction	49	49	
Building Construction	58	46	
Paving	60	46	

Source: Bolt, Beranek and Newman, "Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances," prepared for the USEPA, December 31, 1971. Based on analysis for Office Building, Hotel, Hospital, School, and Public Works.

Construction Generated Noise - Construction Phase 2

Building Type	Office, Hotel, Hospital, School, Public Works		**Distance (ft)**
Construction Noise at 50 Feet (dBA Leq)			50
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	84	84	
Excavation	89	79	
Foundation Construction	78	78	
Building Construction	87	75	
Finishing and Site Cleanup	89	75	

Northwest - Orangewood Park

Maximum Construction Noise (dBA Leq)			515
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	64	64	
Excavation (Site Preparation)	69	59	
Foundation Construction	58	58	
Building Construction	67	55	
Paving	69	55	
Average Construction Noise (dBA Leq)			580
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	63	63	
Excavation (Site Preparation)	68	58	
Foundation Construction	57	57	
Building Construction	66	54	
Paving	68	54	

Northeast - Multifamily Residential (Torrey Pines)

Maximum Construction Noise (dBA Leq)			175
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	73	73	
Excavation (Site Preparation)	78	68	
Foundation Construction	67	67	
Building Construction	76	64	
Paving	78	64	
Average Construction Noise (dBA Leq)			335
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	67	67	
Excavation (Site Preparation)	72	62	
Foundation Construction	61	61	
Building Construction	70	58	
Paving	72	58	

Southeast - Single Family Residential Uses Along Sunset Avenue

Maximum Construction Noise (dBA Leq)			345
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	67	67	
Excavation (Site Preparation)	72	62	
Foundation Construction	61	61	
Building Construction	70	58	
Paving	72	58	
Average Construction Noise (dBA Leq)			440
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	65	65	
Excavation (Site Preparation)	70	60	
Foundation Construction	59	59	
Building Construction	68	56	
Paving	70	56	

Southwest - Edgewood High School

Maximum Construction Noise (dBA Leq)			950
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	58	58	
Excavation (Site Preparation)	63	53	
Foundation Construction	52	52	
Building Construction	61	49	
Paving	63	49	
Average Construction Noise (dBA Leq)			1,045
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	58	58	
Excavation (Site Preparation)	63	53	
Foundation Construction	52	52	
Building Construction	61	49	
Paving	63	49	

Source: Bolt, Beranek and Newman, "Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances," prepared for the USEPA, December 31, 1971. Based on analysis for Office Building, Hotel, Hospital, School, and Public Works.

Construction Generated Noise - Construction Phase Long Term

Building Type	Office, Hotel, Hospital, School, Public Works		**Distance (ft)**
Construction Noise at 50 Feet (dBA Leq)			50
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	84	84	
Excavation	89	79	
Foundation Construction	78	78	
Building Construction	87	75	
Finishing and Site Cleanup	89	75	

Northwest - Orangewood Park

Maximum Construction Noise (dBA Leq)			25
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	90	90	
Excavation (Site Preparation)	95	85	
Foundation Construction	84	84	
Building Construction	93	81	
Paving	95	81	
Average Construction Noise (dBA Leq)			350
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	67	67	
Excavation (Site Preparation)	72	62	
Foundation Construction	61	61	
Building Construction	70	58	
Paving	72	58	

Northeast - Multifamily Residential (Torrey Pines)

Maximum Construction Noise (dBA Leq)			635
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	62	62	
Excavation (Site Preparation)	67	57	
Foundation Construction	56	56	
Building Construction	65	53	
Paving	67	53	
Average Construction Noise (dBA Leq)			800
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	60	60	
Excavation (Site Preparation)	65	55	
Foundation Construction	54	54	
Building Construction	63	51	
Paving	65	51	

Southeast - Single Family Residential Uses Along Sunset Avenue

Maximum Construction Noise (dBA Leq)			350
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	67	67	
Excavation (Site Preparation)	72	62	
Foundation Construction	61	61	
Building Construction	70	58	
Paving	72	58	
Average Construction Noise (dBA Leq)			700
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	61	61	
Excavation (Site Preparation)	66	56	
Foundation Construction	55	55	
Building Construction	64	52	
Paving	66	52	

Southwest - Edgewood High School

Maximum Construction Noise (dBA Leq)			480
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	64	64	
Excavation (Site Preparation)	69	59	
Foundation Construction	58	58	
Building Construction	67	55	
Paving	69	55	
Average Construction Noise (dBA Leq)			600
Construction Phase	**All Applicable Equipment in Use**[1]	**Minimum Required Equipment in Use**[1]	
Ground Clearing/Demolition	62	62	
Excavation (Site Preparation)	67	57	
Foundation Construction	56	56	
Building Construction	65	53	
Paving	67	53	

Source: Bolt, Beranek and Newman, "Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances," prepared for the USEPA, December 31, 1971. Based on analysis for Office Building, Hotel, Hospital, School, and Public Works.

Construction Generated Vibration - Phase 1A

Vibration Annoyance Criteria

Northwest - Orangewood Park

Maximum Vibration Levels		Closest Distance (feet):	**460**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	62	
Small bulldozer	58	33	
Jackhammer	79	54	
Loaded trucks	86	61	
	Criteria	78	

Northeast - Multifamily Residential (Torrey Pines)

Maximum Vibration Levels		Closest Distance (feet):	**207**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	69	
Small bulldozer	58	40	
Jackhammer	79	61	
Loaded trucks	86	68	
	Criteria	78	

Southeast - Single Family Residential Uses Along Sunset Avenue

Maximum Vibration Levels		Closest Distance (feet):	**504**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	61	
Small bulldozer	58	32	
Jackhammer	79	53	
Loaded trucks	86	60	
	Criteria	78	

Southwest - Edgewood High School

Maximum Vibration Levels		Closest Distance (feet):	**980**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	55	
Small bulldozer	58	26	
Jackhammer	79	47	
Loaded trucks	86	54	
	Criteria	78	

Construction Generated Vibration - Phase 1A
Structural Damage Criteria

Northwest - Orangewood Park		Closest Distance (feet):	460
Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.001	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.001	
	Criteria	0.200	
Northeast - Multifamily Residential (Torrey Pines)		Closest Distance (feet):	207
Equipment	**Approximate RMS a** Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.004	
Small bulldozer	0.003	0.000126	
Jackhammer	0.035	0.001	
Loaded trucks	0.076	0.003	
	Criteria	0.200	
Southeast - Single Family Residential Uses Along Sunset Avenue		Closest Distance (feet):	504
Equipment	**Approximate RMS a** Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.001	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.001	
	Criteria	0.200	
Southwest - Edgewood High School		Closest Distance (feet):	980
Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	Criteria	0.200	

Based on distance to nearest structure

[1] Determined based on use of jackhammers or pneumatic hammers that may be used for pavement demolition at a distance of 25 feet

Notes: RMS velocity calculated from vibration level (VdB) using the reference of one microinch/second.

Source: Based on methodology from the United States Department of Transportation Federal Transit Administration, *Transit Noise and Vibration Impact Assessment* (2006).

Construction Generated Vibration - Phase 1B

Vibration Annoyance Criteria

Northwest - Orangewood Park			
Maximum Vibration Levels		Closest Distance (feet):	**160**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	71	
Small bulldozer	58	42	
Jackhammer	79	63	
Loaded trucks	86	70	
	Criteria	78	
Northeast - Multifamily Residential (Torrey Pines)			
Maximum Vibration Levels		Closest Distance (feet):	**35**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	84	
Small bulldozer	58	55	
Jackhammer	79	76	
Loaded trucks	86	83	
	Criteria	78	
Southeast - Single Family Residential Uses Along Sunset Avenue			
Maximum Vibration Levels		Closest Distance (feet):	**510**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	61	
Small bulldozer	58	32	
Jackhammer	79	53	
Loaded trucks	86	60	
	Criteria	78	
Southwest - Edgewood High School			
Maximum Vibration Levels		Closest Distance (feet):	**960**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	55	
Small bulldozer	58	26	
Jackhammer	79	47	
Loaded trucks	86	54	
	Criteria	78	

Structural Damage Criteria

Northwest - Orangewood Park		Closest Distance (feet):	160
Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.005	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.002	
Loaded trucks	0.076	0.005	
	Criteria	0.200	
Northeast - Multifamily Residential (Torrey Pines)		Closest Distance (feet):	35
Equipment	**Approximate RMS a** Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.054	
Small bulldozer	0.003	0.001811	
Jackhammer	0.035	0.021	
Loaded trucks	0.076	0.046	
	Criteria	0.200	
Southeast - Single Family Residential Uses Along Sunset Avenue		Closest Distance (feet):	510
Equipment	**Approximate RMS a** Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.001	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.001	
	Criteria	0.200	
Southwest - Edgewood High School		Closest Distance (feet):	960
Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	Criteria	0.200	

Based on distance to nearest structure

[1.] Determined based on use of jackhammers or pneumatic hammers that may be used for pavement demolition at a distance of 25 feet

Notes: RMS velocity calculated from vibration level (VdB) using the reference of one microinch/second.

Source: Based on methodology from the United States Department of Transportation Federal Transit Administration, *Transit Noise and Vibration Impact Assessment* (2006).

Construction Generated Vibration - Phase 2

Vibration Annoyance Criteria

Northwest - Orangewood Park			
Maximum Vibration Levels		Closest Distance (feet):	**908**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	56	
Small bulldozer	58	27	
Jackhammer	79	48	
Loaded trucks	86	55	
	Criteria	78	
Northeast - Multifamily Residential (Torrey Pines)			
Maximum Vibration Levels		Closest Distance (feet):	**185**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	70	
Small bulldozer	58	41	
Jackhammer	79	62	
Loaded trucks	86	69	
	Criteria	78	
Southeast - Single Family Residential Uses Along Sunset Avenue			
Maximum Vibration Levels		Closest Distance (feet):	**350**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	64	
Small bulldozer	58	35	
Jackhammer	79	56	
Loaded trucks	86	63	
	Criteria	78	
Southwest - Edgewood High School			
Maximum Vibration Levels		Closest Distance (feet):	**990**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	55	
Small bulldozer	58	26	
Jackhammer	79	47	
Loaded trucks	86	54	
	Criteria	78	

Structural Damage Criteria

Northwest - Orangewood Park		Closest Distance (feet):	908
Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	Criteria	0.200	
Northeast - Multifamily Residential (Torrey Pines)		Closest Distance (feet):	185
Equipment	**Approximate RMS a** Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.004	
Small bulldozer	0.003	0.000149	
Jackhammer	0.035	0.002	
Loaded trucks	0.076	0.004	
	Criteria	0.200	
Southeast - Single Family Residential Uses Along Sunset Avenue		Closest Distance (feet):	350
Equipment	**Approximate RMS a** Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.002	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.001	
Loaded trucks	0.076	0.001	
	Criteria	0.200	
Southwest - Edgewood High School		Closest Distance (feet):	990
Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	Criteria	0.200	

Based on distance to nearest structure

[1.] Determined based on use of jackhammers or pneumatic hammers that may be used for pavement demolition at a distance of 25 feet

Notes: RMS velocity calculated from vibration level (VdB) using the reference of one microinch/second.

Source: Based on methodology from the United States Department of Transportation Federal Transit Administration, *Transit Noise and Vibration Impact Assessment* (2006).

Construction Generated Vibration - Long Term

Vibration Annoyance Criteria

Northwest - Hockey Rink			
Maximum Vibration Levels		Closest Distance (feet):	**90**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	76	
Small bulldozer	58	47	
Jackhammer	79	68	
Loaded trucks	86	75	
	Criteria	78	
Northeast - Multifamily Residential (Torrey Pines)			
Maximum Vibration Levels		Closest Distance (feet):	**615**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	59	
Small bulldozer	58	30	
Jackhammer	79	51	
Loaded trucks	86	58	
	Criteria	78	
Southeast - Single Family Residential Uses Along Sunset Avenue			
Maximum Vibration Levels		Closest Distance (feet):	**360**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	64	
Small bulldozer	58	35	
Jackhammer	79	56	
Loaded trucks	86	63	
	Criteria	78	
Southwest - Edgewood High School			
Maximum Vibration Levels		Closest Distance (feet):	**530**
	Approximate Velocity	Approximate Velocity	
Equipment	Level at 25 ft, VdB	Level, VdB	
Large bulldozer	87	60	
Small bulldozer	58	31	
Jackhammer	79	52	
Loaded trucks	86	59	
	Criteria	78	

Structural Damage Criteria

Northwest - Hockey Rink		Closest Distance (feet):	90
Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.013	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.005	
Loaded trucks	0.076	0.011	
	Criteria	0.200	
Northeast - Multifamily Residential (Torrey Pines)		Closest Distance (feet):	615
Equipment	**Approximate RMS a** Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.001	
Small bulldozer	0.003	0.000025	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.001	
	Criteria	0.200	
Southeast - Single Family Residential Uses Along Sunset Avenue		Closest Distance (feet):	360
Equipment	**Approximate RMS a** Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.002	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.001	
Loaded trucks	0.076	0.001	
	Criteria	0.200	
Southwest - Edgewood High School		Closest Distance (feet):	530
Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second	
Large bulldozer	0.089	0.001	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.001	
	Criteria	0.200	

Based on distance to nearest structure

[1.] Determined based on use of jackhammers or pneumatic hammers that may be used for pavement demolition at a distance of 25 feet

Notes: RMS velocity calculated from vibration level (VdB) using the reference of one microinch/second.

Source: Based on methodology from the United States Department of Transportation Federal Transit Administration, *Transit Noise and Vibration Impact Assessment* (2006).

Queen of the Valley

Roadway Segment		Speed	24-hour Traffic Volume			Distance to CNEL from Roadway Centerline												Noise Level (CNEL or Ldn) at Distance from Roadway Centerline											
						Existing				Future No Project				Future With Project				Change	Change	Existing			Future No Proj			Future Plus Proj			Change	Change
			Existing	Future Without Project	Future With Project	100.0 Feet	60 CNEL	65 CNEL	70 CNEL	100.0 Feet	60 CNEL	65 CNEL	70 CNEL	100.0 Feet	60 CNEL	65 CNEL	70 CNEL	From Existing	due to Project	100 feet	100 feet	100 feet	100 feet	100 feet	100 feet	100 feet	100 feet	100 feet	From Existing	due to Project
Francisquito Ave/Sunset Ave	East Segment	40.0	17838.9	22594.4	22594.4	69.3	415	192	89	70.3	485	225	105	70.3	485	225	105	1.0	0.0	69.3	69.3	69.3	70.3	70.3	70.3	70.3	70.3	70.3	+1.0	---
0.0	West Segment	40.0	18455.6	23383.3	23383.3	69.4	424	197	91	70.4	497	230	107	70.4	497	230	107	1.0	0.0	69.4	69.4	69.4	70.4	70.4	70.4	70.4	70.4	70.4	+1.0	---
0.0	North Segment	40.0	22855.6	28944.4	29472.2	70.3	489	227	105	71.4	572	266	123	71.4	579	269	125	1.1	0.1	70.3	70.3	70.3	71.4	71.4	71.4	71.4	71.4	71.4	+1.1	+0.1
0.0	South Segment	40.0	23222.2	29422.2	29950.0	70.4	494	229	106	71.4	579	269	125	71.5	586	272	126	1.1	0.1	70.4	70.4	70.4	71.4	71.4	71.4	71.5	71.5	71.5	+1.1	+0.1
Durness St/Sunset Ave	East Segment	25.0	1983.3	2516.7	2516.7	57.6	69	32	15	58.6	81	38	17	58.6	81	38	17	1.0	0.0	57.6	57.6	57.6	58.6	58.6	58.6	58.6	58.6	58.6	+1.0	---
0.0	West Segment	25.0	3855.6	4883.3	4883.3	60.5	108	50	23	61.5	126	59	27	61.5	126	59	27	1.0	0.0	60.5	60.5	60.5	61.5	61.5	61.5	61.5	61.5	61.5	+1.0	---
0.0	North Segment	40.0	23250.0	29450.0	29977.8	70.4	495	230	107	71.4	579	269	125	71.5	586	272	126	1.1	0.1	70.4	70.4	70.4	71.4	71.4	71.4	71.5	71.5	71.5	+1.1	+0.1
0.0	South Segment	40.0	23333.3	29550.0	30077.8	70.4	496	230	107	71.5	580	269	125	71.5	587	273	127	1.1	0.1	70.4	70.4	70.4	71.5	71.5	71.5	71.5	71.5	71.5	+1.1	+0.1
Merced Ave/Sunset Ave	East Segment	40.0	14650.0	18561.1	19355.6	68.4	364	169	78	69.4	426	198	92	69.6	438	203	94	1.2	0.2	68.4	68.4	68.4	69.4	69.4	69.4	69.6	69.6	69.6	+1.2	+0.2
0.0	West Segment	40.0	13761.1	17422.2	17688.9	68.1	349	162	75	69.2	408	189	88	69.2	412	191	89	1.1	0.1	68.1	68.1	68.1	69.2	69.2	69.2	69.2	69.2	69.2	+1.1	+0.1
0.0	North Segment	40.0	25000.0	31655.6	32716.7	70.7	519	241	112	71.8	608	282	131	71.9	621	288	134	1.2	0.1	70.7	70.7	70.7	71.8	71.8	71.8	71.9	71.9	71.9	+1.2	+0.1
0.0	South Segment	40.0	23850.0	30211.1	30744.4	70.5	503	234	108	71.6	589	273	127	71.6	596	277	128	1.1	0.1	70.5	70.5	70.5	71.6	71.6	71.6	71.6	71.6	71.6	+1.1	+0.1
Vine Ave/Sunset Ave	East Segment	25.0	1544.4	1961.1	1961.1	56.5	59	27	13	57.6	69	32	15	57.6	69	32	15	1.0	0.0	56.5	56.5	56.5	57.6	57.6	57.6	57.6	57.6	57.6	+1.0	---
0.0	West Segment	25.0	2858.8	3433.3	7783.3	59.2	88	41	19	60.0	100	46	22	63.5	172	80	37	4.3	3.6	59.2	59.2	59.2	60.0	60.0	60.0	63.5	63.5	63.5	+4.3	+3.6
0.0	North Segment	40.0	26138.9	33122.2	36411.1	70.9	535	248	115	72.0	626	291	135	72.4	667	310	144	1.4	0.4	70.9	70.9	70.9	72.0	72.0	72.0	72.4	72.4	72.4	+1.4	+0.4
0.0	South Segment	40.0	24938.9	31594.4	32655.6	70.7	518	241	112	71.7	607	282	131	71.9	620	288	134	1.2	0.1	70.7	70.7	70.7	71.7	71.7	71.7	71.9	71.9	71.9	+1.2	+0.1
Cameron Ave/Sunset Ave	East Segment	40.0	16083.3	20377.8	20644.4	68.8	387	180	83	69.8	453	210	98	69.9	457	212	98	1.1	0.1	68.8	68.8	68.8	69.8	69.8	69.8	69.9	69.9	69.9	+1.1	+0.1
0.0	West Segment	40.0	17394.4	22038.9	22877.8	69.2	408	189	88	70.2	477	222	103	70.3	489	227	105	1.2	0.2	69.2	69.2	69.2	70.2	70.2	70.2	70.3	70.3	70.3	+1.2	+0.2
0.0	North Segment	40.0	21622.2	27388.9	29572.2	70.1	471	219	102	71.1	552	256	119	71.5	581	270	125	1.4	0.3	70.1	70.1	70.1	71.1	71.1	71.1	71.5	71.5	71.5	+1.4	+0.3
0.0	South Segment	40.0	25461.1	32261.1	35550.0	70.8	526	244	113	71.8	615	286	133	72.3	656	305	141	1.4	0.4	70.8	70.8	70.8	71.8	71.8	71.8	72.3	72.3	72.3	+1.4	+0.4
West Covina Pkwy/Sunset Ave	East Segment	35.0	14355.6	18183.3	18183.3	67.3	308	143	66	68.4	361	168	78	68.4	361	168	78	1.0	0.0	67.3	67.3	67.3	68.4	68.4	68.4	68.4	68.4	68.4	+1.0	---
0.0	West Segment	35.0	14683.3	18594.4	20250.0	67.4	313	145	67	68.5	366	170	79	68.8	388	180	84	1.4	0.4	67.4	67.4	67.4	68.5	68.5	68.5	68.8	68.8	68.8	+1.4	+0.4
0.0	North Segment	40.0	21772.2	27566.7	28094.4	70.1	473	220	102	71.2	554	257	119	71.2	561	260	121	1.1	0.1	70.1	70.1	70.1	71.2	71.2	71.2	71.2	71.2	71.2	+1.1	+0.1
0.0	South Segment	40.0	21816.7	27627.8	29811.1	70.1	474	220	102	71.2	555	258	120	71.5	584	271	126	1.4	0.3	70.1	70.1	70.1	71.2	71.2	71.2	71.5	71.5	71.5	+1.4	+0.3
I-10 EB Ramps/Dalewood St	East Segment	20.0	0.0	0.0	0.0	4.8	0	0	0	4.8	0	0	0	4.8	0	0	0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
0.0	West Segment	20.0	10777.8	13650.0	14177.8	63.8	178	83	38	64.8	208	97	45	64.9	214	99	46	1.2	0.2	63.8	63.8	63.8	64.8	64.8	64.8	64.9	64.9	64.9	+1.2	+0.2
0.0	North Segment	45.0	10227.8	12955.6	13644.4	67.8	330	153	71	68.8	386	179	83	69.0	400	185	86	1.3	0.2	67.8	67.8	67.8	68.8	68.8	68.8	69.0	69.0	69.0	+1.3	+0.2
0.0	South Segment	45.0	12805.6	16227.8	16388.9	68.7	383	178	83	69.8	448	208	97	69.8	451	210	97	1.1	0.0	68.7	68.7	68.7	69.8	69.8	69.8	69.8	69.8	69.8	+1.1	+0.0
Merced Ave/Dalewood St/Garvey Ave	East Segment	45.0	8094.4	10261.1	10950.0	66.8	282	131	61	67.8	330	153	71	68.1	345	160	74	1.3	0.3	66.8	66.8	66.8	67.8	67.8	67.8	68.1	68.1	68.1	+1.3	+0.3
0.0	West Segment	45.0	0.0	0.0	0.0	4.8	0	0	0	4.8	0	0	0	4.8	0	0	0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
0.0	North Segment	45.0	2361.1	2994.4	2994.4	61.4	124	58	27	62.4	145	67	31	62.4	145	67	31	1.0	0.0	61.4	61.4	61.4	62.4	62.4	62.4	62.4	62.4	62.4	+1.0	---
0.0	South Segment	45.0	10233.3	12966.7	13655.6	67.8	330	153	71	68.8	386	179	83	69.0	400	186	86	1.3	0.2	67.8	67.8	67.8	68.8	68.8	68.8	69.0	69.0	69.0	+1.3	+0.2
Merced Ave/Orange Ave	East Segment	40.0	12544.4	15888.9	16577.8	67.7	328	152	71	68.8	384	178	83	68.9	395	183	85	1.2	0.2	67.7	67.7	67.7	68.8	68.8	68.8	68.9	68.9	68.9	+1.2	+0.2
0.0	West Segment	40.0	10011.1	12688.9	13377.8	66.8	282	131	61	67.8	330	153	71	68.0	342	159	74	1.3	0.2	66.8	66.8	66.8	67.8	67.8	67.8	68.0	68.0	68.0	+1.3	+0.2
0.0	North Segment	35.0	11661.1	14772.2	14772.2	66.4	268	125	58	67.5	314	146	68	67.5	314	146	68	1.0	0.0	66.4	66.4	66.4	67.5	67.5	67.5	67.5	67.5	67.5	+1.0	---
0.0	South Segment	35.0	11116.7	14083.3	14083.3	66.2	260	121	56	67.3	304	141	66	67.3	304	141	66	1.0	0.0	66.2	66.2	66.2	67.3	67.3	67.3	67.3	67.3	67.3	+1.0	---
Merced Ave/California Ave	East Segment	40.0	13377.8	16944.4	17738.9	68.0	342	159	74	69.0	401	186	86	69.2	413	192	89	1.2	0.2	68.0	68.0	68.0	69.0	69.0	69.0	69.2	69.2	69.2	+1.2	+0.2
0.0	West Segment	40.0	13333.3	16888.9	17683.3	68.0	341	158	74	69.0	400	186	86	69.2	412	191	89	1.2	0.2	68.0	68.0	68.0	69.0	69.0	69.0	69.2	69.2	69.2	+1.2	+0.2
0.0	North Segment	25.0	6811.1	8622.2	8622.2	63.0	158	73	34	64.0	184	86	40	64.0	184	86	40	1.0	0.0	63.0	63.0	63.0	64.0	64.0	64.0	64.0	64.0	64.0	+1.0	---
0.0	South Segment	25.0	6455.6	8166.7	8166.7	62.7	152	71	33	63.8	178	83	38	63.8	178	83	38	1.0	0.0	62.7	62.7	62.7	63.8	63.8	63.8	63.8	63.8	63.8	+1.0	---
Merced Ave/Glendora Ave	East Segment	40.0	11794.4	14944.4	15211.1	67.5	315	146	68	68.5	368	171	79	68.6	373	173	80	1.1	0.1	67.5	67.5	67.5	68.5	68.5	68.5	68.6	68.6	68.6	+1.1	+0.1
0.0	West Segment	40.0	13405.6	16977.8	17772.2	68.0	343	159	74	69.0	401	186	86	69.2	414	192	89	1.2	0.2	68.0	68.0	68.0	69.0	69.0	69.0	69.2	69.2	69.2	+1.2	+0.2
0.0	North Segment	40.0	21388.9	27094.4	27094.4	70.1	468	217	101	71.1	548	254	118	71.1	548	254	118	1.0	0.0	70.1	70.1	70.1	71.1	71.1	71.1	71.1	71.1	71.1	+1.0	---
0.0	South Segment	40.0	20783.3	26333.3	26861.1	69.9	459	213	99	71.0	537	249	116	71.0	545	253	117	1.1	0.1	69.9	69.9	69.9	71.0	71.0	71.0	71.0	71.0	71.0	+1.1	+0.1
Cameron Ave/Orange Ave	East Segment	40.0	19922.2	25233.3	25683.3	69.7	446	207	96	70.8	522	242	113	70.8	529	245	114	1.1	0.1	69.7	69.7	69.7	70.8	70.8	70.8	70.8	70.8	70.8	+1.1	+0.1
0.0	West Segment	40.0	18472.2	23394.4	23450.0	69.4	424	197	91	70.4	497	231	107	70.5	497	231	107	1.0	0.0	69.4	69.4	69.4	70.4	70.4	70.4	70.5	70.5	70.5	+1.0	+0.0
0.0	North Segment	35.0	2588.9	3277.8	3672.2	59.9	98	46	21	60.9	115	53	25	61.4	124	58	27	1.5	0.5	59.9	59.9	59.9	60.9	60.9	60.9	61.4	61.4	61.4	+1.5	+0.5
0.0	South Segment	35.0	14916.7	18894.4	18894.4	67.5	316	147	68	68.5	370	172	80	68.5	370	172	80	1.0	0.0	67.5	67.5	67.5	68.5	68.5	68.5	68.5	68.5	68.5	+1.0	---
Cameron Ave/Toluca Ave	East Segment	40.0	17033.3	21577.8	22416.7	69.1	402	187	87	70.1	471	218	101	70.3	483	224	104	1.2	0.2	69.1	69.1	69.1	70.1	70.1	70.1	70.3	70.3	70.3	+1.2	+0.2
0.0	West Segment	40.0	20277.8	25688.9	26133.3	69.8	452	210	97	70.8	529	245	114	70.9	535	248	115	1.1	0.1	69.8	69.8	69.8	70.8	70.8	70.8	70.9	70.9	70.9	+1.1	+0.1
0.0	North Segment	25.0	6138.9	7772.2	8166.7	62.5	147	68	32	63.5	172	80	37	63.8	178	83	38	1.2	0.2	62.5	62.5	62.5	63.5	63.5	63.5	63.8	63.8	63.8	+1.2	+0.2
0.0	South Segment	25.0	88.9	116.7	116.7	44.1	9	4	2	45.3	10	5	2	45.3	10	5	2	1.2	0.0	44.1	44.1	44.1	45.3	45.3	45.3	45.3	45.3	45.3	+1.2	---
West Covina Pkwy/I-10 WB Ramps	East Segment	35.0	20000.0	25333.3	26855.6	68.8	385	179	83	69.8	450	209	97	70.1	468	217	101	1.3	0.3	68.8	68.8	68.8	69.8	69.8	69.8	70.1	70.1	70.1	+1.3	+0.3
0.0	West Segment	35.0	17272.2	21877.8	21933.3	68.1	349	162	75	69.2	408	190	88	69.2	409	190	88	1.0	0.0	68.1	68.1	68.1	69.2	69.2	69.2	69.2	69.2	69.2	+1.0	+0.0
0.0	North Segment	20.0	6600.0	8350.0	8350.0	61.6	128	60	28	62.6	150	70	32	62.6	150	70	32	1.0	0.0	61.6	61.6	61.6	62.6	62.6	62.6	62.6	62.6	62.6	+1.0	---
0.0	South Segment	20.0	17633.3	22333.3	23800.0	65.9	247	115	53	66.9	289	134	62	67.2	302	140	65	1.3	0.3	65.9	65.9	65.9	66.9	66.9	66.9	67.2	67.2	67.2	+1.3	+0.3
West Covina Pkwy/I-10 EB Ramps	East Segment	35.0	15900.0	20138.9	22194.4	67.8	330	153	71	68.8	386	179	83	69.2	412	191	89	1.4	0.4	67.8	67.8	67.8	68.8	68.8	68.8	69.2	69.2	69.2	+1.4	+0.4
0.0	West Segment	35.0	20122.2	25483.3	27000.0	68.8	386	179	83	69.8	452	210	97	70.1	470	218	101	1.3	0.3	68.8	68.8	68.8	69.8	69.8	69.8	70.1	70.1	70.1	+1.3	+0.3
0.0	North Segment	20.0	3877.8	4905.6	4905.6	59.3	90	42	19	60.3	105	49	23	60.3	105	49	23	1.0	0.0	59.3	59.3	59.3	60.3	60.3	60.3	60.3	60.3	60.3	+1.0	---
0.0	South Segment	20.0	10294.4	13038.9	13577.8	63.6	173	80	37	64.6	202	94	44	64.8	208	96	45	1.2	0.2	63.6	63.6	63.6	64.6	64.6	64.6	64.8	64.8	64.8	+1.2	+0.2
West Covina Pkwy/Toluca Ave	East Segment	35.0	13966.7	17694.4	19350.0	67.2	303	141	65	68.2	354	165	76	68.6	376	175	81	1.4	0.4	67.2	67.2	67.2	68.2	68.2	68.2	68.6	68.6	68.6	+1.4	+0.4
0.0	West Segment	35.0	15355.6	19450.0	21500.0	67.6	322	150	69	68.7	378	175	81	69.1	404	187	87	1.5	0.4	67.6	67.6	67.6	68.7	68.7	68.7	69.1	69.1	69.1	+1.5	+0.4
0.0	North Segment	25.0	0.0	0.0	0.0	4.8	0	0	0	4.8	0	0	0	4.8	0	0	0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	---	---
0.0	South Segment	25.0	6744.4	8544.4	8938.9	62.9	157	73	34	63.9	183	85	40	64.1	189	88	41	1.2	0.2	62.9	62.9	62.9	63.9	63.9	63.9	64.1	64.1	64.1	+1.2	+0.2
Assumptions:																		4.3	3.6										

Fleet Mix

92%	Autos
3%	Medium Trucks
5%	Heavy Trucks

Simplified to 2 lanes 6.1 meters= 20.0
future 6.1 meters= 20.0
Noise path decay parameter for hard site

feet from centerline
feet from centerline

Time of Day:

70%	Day
15%	Evening
15%	Night

Calculations using methods of Federal Highway Administration *Highway Traffic Noise Prediction Model*, December, 1978. Baseline California vehicle noise levels from Caltrans, TAN 95-03, 1995