City of Pasadena

Revised Noise Element

of the General Plan

Existing and Future Conditions

December 2002

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Section 1

Introduction

Noise has become a key factor in considering the quality of our environment. Noise affects both the home and work environment, and enjoyment of recreational activity. Excessive amounts of noise can have adverse affects on physical and psychological stability. Noise may be generally defined as "unwanted sound." It is a byproduct of transportation, industrial, and other activities within the community that permeates the environment and may cause disturbance to some people. The full effect of such noise on the individual and the community varies with its duration, its intensity, and the tolerance level of the individual.

Recognizing the increasing human environmental impact of noise pollution and the impact that land use and circulation plans have on the community's environmental quality, the California legislature, in 1972, mandated that a noise element be included as part of city and county general plans. The Office of Noise Control, State Department of Health prepared guidelines concerning the specific requirements for a noise element.

The purpose of this document is to provide an easily understood discussion of noise, its impacts and guidelines for mitigating its effects. The Noise Element specifically discusses noise characteristics, and documents the existing and potential future noise environment in the community. The Noise Element provides a reference for use in connection with actions on various public and private development projects, as required by law. It is utilized to establish uniformity of policy and direction within the City concerning actions to minimize or eliminate noise pollution and to make decisions regarding proposals that may have an impact on the City's noise environment. It serves as an official guide to City decision-makers and departments, individual citizens, businesses, and private organizations concerned with noise pollution within the City of Pasadena.

Section

2

Noise Evaluation and Measurement

Sound is created when an object vibrates and radiates part of its energy as acoustic pressure or waves through a medium such as air, water or a solid. The ear receives these sound pressure waves and converts them to neurological impulses that are transmitted to the brain for interpretation. The interpretation or perception of sound may be different from the actual sound: loud sounds may seem quiet and quiet sounds may seem loud. Sounds may be perceived as loud, soft, noisy, quiet and high- or low-pitched. These subjective terms are all relative and do not convey technical information about the sound.

The sound we hear is the result of a sound source inducing vibration in the air. The vibration produces alternating bands of relatively dense and sparse particles of air, spreading outward from the source in the same way as ripples do on water after a stone is thrown into it. The result of the movement of the particles is a fluctuation in the normal atmospheric pressure, or sound waves. These waves radiate in all directions from the source and may be reflected and scattered or, like other wave actions, may turn corners. When the source stops vibrating, the sound waves disappear almost instantaneously, and the sound ceases. The ear is extremely sensitive to sound pressure fluctuations, which are convened into auditory sensations.

Sound may be described in terms of three variables:

- Amplitude (perceived as loudness)
- Frequency (perceived as pitch)
- Time pattern

The amplitude of a sound is a measure of the pressure of force that a sound can exert. Although there are other measures of sound amplitude, sound pressure is most used as a measurement descriptor. Subjectively, a sound is considered louder if its amplitude is higher than another sound. The unit of sound pressure is the decibel (dB).

The rate at which a sound source vibrates determines frequency. The units for frequency refer to the number of times that the acoustical pressure (amplitude) peaks for each sound per unit of time. The unit of time is usually one second and the term Hertz (Hz) is used to designate the number of cycles per second. Subjectively, a sound that has more cycles per second is higher pitched. The human ear and those of most animals have a wide range of response. Humans can identify sounds with frequencies from about 20 Hz

to 20,000 Hz. Pure tones are relatively rare in real-life situations and most sounds consist instead of a complex mixture of many frequencies.

The temporal nature of sound may be described in terms of its pattern of time and level: continuity, fluctuation, impulsiveness, and intermittency. Continuous sounds are those produced for relatively long periods at a constant level, such as the noise of a waterfall. Intermittent sounds are those that are produced for short periods, such as the ringing of a telephone or aircraft take-offs and landings. Impulse noises are sounds that are produced in an extremely short span of time, such as a pistol shot or handclap. Fluctuating sounds vary in level over time, such as the loudness of traffic sounds at a busy intersection.

Definitions of other commonly used terms encountered in community noise assessments and noise control are provided in the Appendix.

2.1 Quantification of Noise

Noise level (or volume) is generally measured in decibels (dB) using the A-weighted sound pressure level (dBA). The A-weighting scale is an adjustment to the actual sound power levels to be consistent with that of human hearing response, which is most sensitive to frequencies around 4,000 Hertz (about the highest note on a piano) and less sensitive to low frequencies below 100 Hertz (such as a low rumble). In addition to the actual instantaneous measurement of sound levels, the duration of sound is important since sounds that occur over a long period of time are more likely to be an annoyance or cause direct physical damage or environmental stress. One of the most frequently used noise metrics that considers both duration and sound power level is the equivalent noise level (Leq). The Leq is defined as the single steady A-weighted level that is equivalent to the same amount of energy as that contained in the actual fluctuating levels over a period of time.

The sound pressure level is measured on a logarithmic scale with the 0 dB level based on the lowest detectable sound pressure level that people can perceive (an audible sound that is not zero sound pressure level). Zero dB is equivalent to a pressure level of $2*10^{-4}$ microbars, or about $4.2*10^{-7}$ pounds per square foot. Note that one microbar is equivalent to 1/1000 millibar and one dyne per centimeter squared. Based on the logarithmic scale, a doubling of sound energy is equivalent to an increase of 3 dB and a sound that is 10 dB less than the ambient sound level has no effect on ambient noise. Because of the nature of the human ear, a sound must be about 10 dB greater than the reference sound to be judged as twice as loud. In general, a 3 dB change in community noise levels is noticeable, while 1-2 dB changes generally are not perceived. Quiet suburban areas typically have noise levels in the range of 40-50 dBA, while areas along arterial streets are in the 50-60+ dBA ranges. Normal conversational levels are in the 60-65 dBA range, and ambient noise levels greater than that can interrupt conversations.

Noise levels typically attenuate (or drop off) at a rate of 6 dBA per doubling of distance from point sources such as industrial machinery. Noise from lightly to moderately traveled roads typically attenuates at a rate of about 4.5 dBA per doubling of distance. Noise from heavily traveled roads typically attenuates at about 3 dBA per doubling of distance.

2.2 Community Equivalent Noise Level and Day-Night Noise Level

A given level of noise may be more or less tolerable depending on the duration of exposure and the time of day during which the noise is experienced. For example, noise that occurs at night tends to be more disturbing than that which occurs during the daytime. To this end, there are several measures of noise exposure that consider both the magnitude of the noise and the time at which it occurs. The two most commonly used indices for measuring community noise levels are the Day-Night Noise Level and the Community Noise Equivalent Level.

The United States Environmental Protection Agency (EPA) and the United States Department of Housing and Urban Development (HUD) use the Day-Night Noise Level (Ldn). This measure is essentially the Leq for a 24-hour period with 10 decibels added to nighttime sounds (10 pm-7 am). The unweighted daytime and evening noise levels are combined with these weighted levels and averaged to obtain an Ldn value.

The Community Noise Equivalent Level (CNEL) is identical to the Ldn except that it also adds 5 dB to sound levels occurring from 7 pm to 10 pm. These two measures of noise exposure, Ldn and CNEL, are basically equivalent; there is generally less than 1 dBA difference between their values.

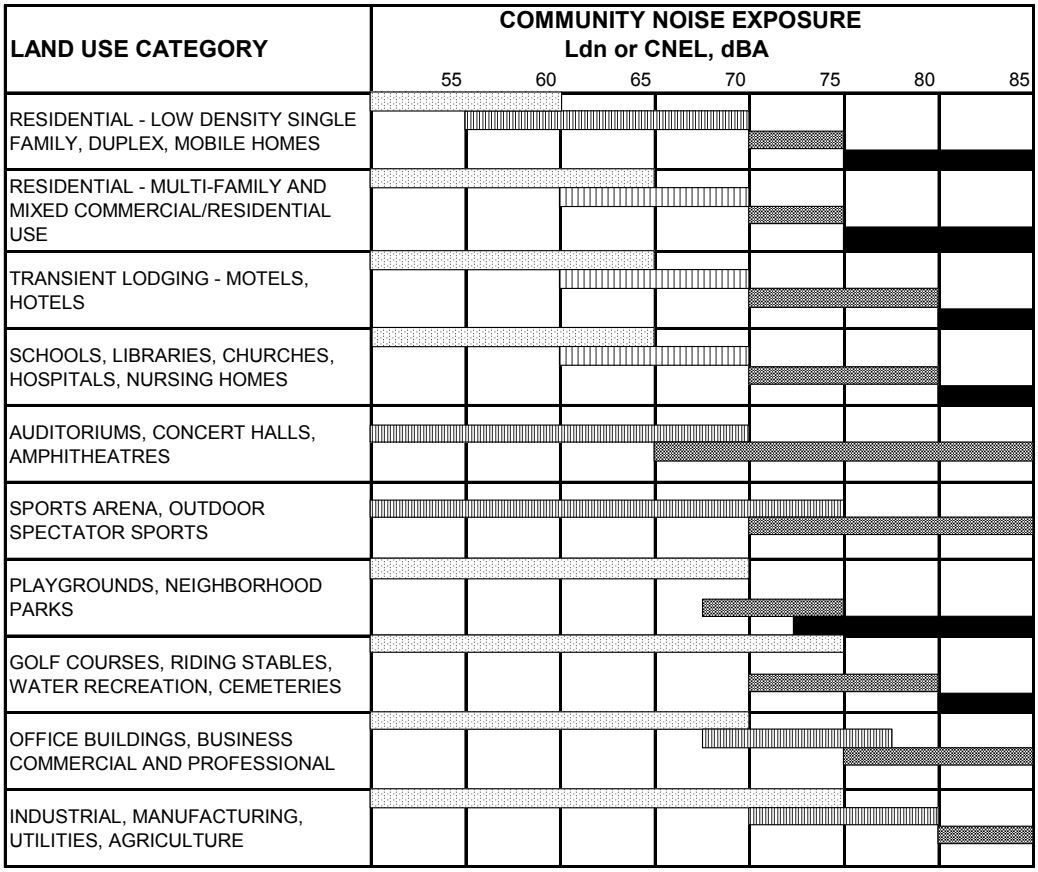
2.3 Acceptable Noise Exposures

The Noise Element is closely related to other elements of the General Plan, particularly Land Use. A key objective of the Noise Element is to provide noise exposure information for use in the Land Use Element. When integrated with the Noise Element, the Land Use Element will show acceptable land uses in relation to existing and projected noise contours.

Guidelines for noise compatible land use, based upon the California Office of Planning and Research's (OPR) Noise Element Guidelines, are presented in Figure 1. The objective of the noise compatibility guidelines is to provide the community with a means of judging the noise environment that it deems to be generally acceptable. Many efforts have been made to account for the variability in perceptions of environmental noise that exist between communities and within a given community.

Denotation of a land use as "clearly acceptable" on Figure 1 implies that the highest noise level in that band is the maximum desirable for existing or

Figure 1 Guidelines for Noise Compatible Land Use*



CLEARLY ACCEPTABLE
Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.

CONDITIONALLY 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.

NORMALLY 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.

NORMALLY 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.

** Please note that these guidelines are general and may not apply to specific sites.*

Source: California General Plan Guidelines, 1998, as modified by the City of Pasadena, 2002.

conventional construction that does not incorporate any special acoustical treatment. In general, evaluation of land use that falls into the "normally acceptable," "conditionally acceptable," or "normally unacceptable" noise environments should include many factors. These include consideration of the type of noise source, the sensitivity of the noise receptor, the noise reduction likely to be provided by structures, and the degree to which the noise source may interfere with speech, sleep, or other activities characteristic of the land use.

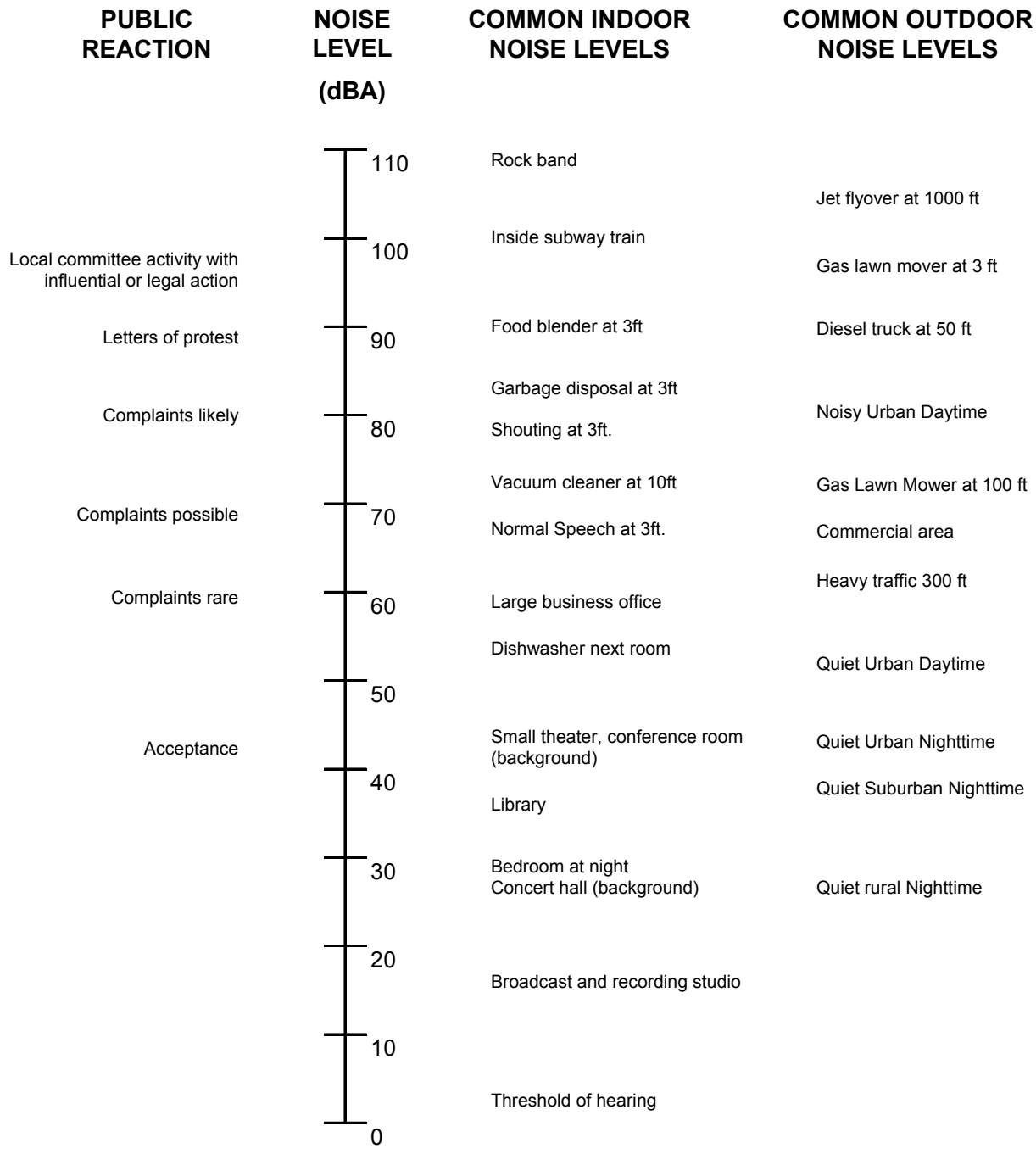
Beyond the basic CNEL or Ldn quantification of noise exposure, one can apply correction factors to the measured or calculated values of these metrics in order to account for some of the factors that may cause the noise to be more or less acceptable than the mean response. Significant among these factors are seasonal variations in noise source levels, existing outdoor ambient levels, general societal attitudes towards the noise source, prior history of the source, and tonal characteristics of the source. When it is possible to evaluate some or all of these factors, the measured or computed noise exposure values may be adjusted in order to more accurately assess local sentiments towards acceptable noise exposure.

In developing these acceptability recommendations, efforts were made to maintain consistency with the goals defined in the Federal EPA "Levels Document" and the State Sound Transmission Control Standards for multi-family housing. In both of these documents, an interior noise exposure of 45 dB CNEL (or Ldn) is recommended to permit normal residential activity. If one considers the typical range of noise reduction provided by residential dwellings (12 to 18 dB with windows partially open), the 60 dB outdoor value identified as "clearly acceptable" for residential land use would provide the recommended interior environment.

2.4 Noise Effects

Noise has a significant impact on the quality of life. Figure 2 displays common noise levels and the resulting typical public reaction. When the noise level of an activity rises above 70 dBA, the chance of receiving a complaint is possible, and as the noise level rises, dissatisfaction among the public steadily increases. However, an individual's reaction to a particular noise depends on many factors such as the source of the sound, its loudness relative to the background noise, and the time of day. The reaction to noise can also be highly subjective; the perceived effect of a particular noise can vary widely among individuals in a community. Although reaction to noise may vary, it is clear that noise is a significant component of the environment, and excessively noisy conditions can affect an individual's health and well-being. The effects of noise are often only transitory, but adverse effects can be cumulative with prolonged or repeated exposure. The effects of noise on the community can be organized into six broad categories (Suter, 1991):

Figure 2 Common Noise Levels and Public Reaction



Source: Caltrans Noise Manual, California State Department of Transportation, 1980.

- Noise-Induced Hearing Loss
- Interference with Communication
- Effects of Noise on Sleep
- Effects on Performance and Behavior
- Extra-Auditory Health Effects
- Annoyance

Although it often causes discomfort and sometimes pain, noise-induced hearing loss usually takes years to develop. Noise-induced hearing loss can impair the quality of life through a reduction in the ability to hear important sounds and to communicate with family and friends. Hearing loss is one of the most obvious and easily quantified effects of excessive exposure to noise. The progression of the loss is more difficult to trace, as the impairment can reach the handicapping stage before an individual is aware of what has happened. While the losses may be temporary at first, they become permanent after continued exposure. When combined with hearing loss associated with aging, the amount of hearing loss directly caused by the environment is difficult to quantify. Although the major cause of noise-induced hearing loss is occupational, substantial damage can be caused by non-occupational sources. According to the U.S. Public Health Service (PHS, 1991), nearly 10 million of the estimated 21 million Americans with hearing impairments owe their losses to noise exposure.

Noise can mask important sounds and disrupt communication between individual in a variety of settings. This process can cause anything from a slight irritation to a serious safety hazard, depending on the circumstance. Noise can disrupt face-to-face communication and telephone communication, and the enjoyment of music and television in the home. It can also disrupt effective communication between teachers and pupils in schools, and can cause fatigue and vocal strain in those who need to communicate in spite of the noise. Interference with communication has proved to be one of the most important components of noise-related annoyance (EPA, 1974).

Noise-induced sleep interference is one of the critical components of community annoyance. Sound level, frequency distribution, duration, repetition, and variability can make it difficult to fall asleep and may cause momentary shifts in the natural sleep pattern, or level of sleep. It can produce short-term adverse effects on mood changes and job performance, with the possibility of more serious effects on health if it continues over long periods.

Noise can cause adverse effects on task performance and behavior at work, and non-occupational and social settings. These effects are the subject of some controversy, since the presence and degree of effects depends on a variety of intervening variables. Most research in this area has focused

mainly on occupational settings, where noise levels must be sufficiently high and the task sufficiently complex for effects on performance to occur. Recent research implicates that more moderate noise levels can produce disruptive after-effects, commonly manifested as a reduced tolerance for frustration, increased anxiety, decreased incidence of "helping" behavior and increased incidence of "hostile" behavior.

Noise has been implicated in the development or exacerbation of a variety of health problems, ranging from hypertension to psychosis. As with other categories, quantifying these effects is difficult due to the amount of variables that need to be considered in each situation. As a biological stressor, noise can influence the entire physiological system. Most effects seem to be transitory, but with continued exposure some effects have been shown to be chronic in laboratory animals. Probably the strongest evidence lies in the cardiovascular effects. Although there is a lack of consistent evidence documenting this effect, research in this area is ongoing.

Annoyance can be viewed as the expression of negative feelings resulting from interference with activities, as well as the disruption of one's peace of mind and the enjoyment of one's environment. Field evaluations of community annoyance are useful for predicting the consequences of planned actions involving highways, airports, road traffic, railroads, or other noise sources. The consequences of noise-induced annoyance are privately held dissatisfaction, publicly expressed complaints to authorities, and potential adverse health effects, as discussed above. In a study conducted by the U.S. Department of Transportation, the effects of annoyance to the community were quantified. In areas where noise levels were consistently above 60 dB CNEL, approximately 9% of the community is highly annoyed. When levels exceed 65 dB CNEL, that percentage rises to 15%.

Although evidence for the various effects of noise have differing levels of certainty, it is clear that noise can affect human health. Most of the effects are, to a varying degree, stress related. One can expect that the impacts of noise will increase over time, due to population growth, especially in urban areas, and the proliferation of noise sources, particularly those related to increased traffic.

Section
3

Existing and Future Conditions

The most widespread noise producing activities within the City of Pasadena involve transportation elements (roads, freeways, and aircraft flyovers). In addition, numerous fixed sources of noise exist within portions of the city. The following section provides a discussion of the noise measurements obtained and an inventory of noise sources within the city.

The statistical values used for the purposes of this study are listed in Table 1.

Table 1 Standard Noise Statistical Values Used in the Pasadena Noise Survey

L_{eq}	The energy equivalent sound level. This value is representative of the long-term annoyance potential as well as other effects of the noise.
L_{max}	The maximum sound level during the measurement period.
L_{10}	The near maximum sound level. This value is exceeded 10% of the time during the measurement period.
L_{90}	The near minimum sound level. This value is exceeded 90% of the time during the measurement period.
L_{dn}	The energy equivalent sound level over a 24-hour time period, including the addition of 10 dBA to all noise occurring from 10 PM to 7 AM. This is the most commonly used index for measuring community noise.

3.1 Community Noise Study

Various locations within Pasadena were surveyed in 2001 and 2002 to establish existing levels of noise. These measurement sites were selected to determine the impact from major sources of noise within the City. A total of 40 20-minute and 10 weeklong measurements were conducted, which provide a basis for understanding the overall existing noise environment of the City of Pasadena. The complete list of measurement locations and results is included in the Appendix. It should be noted that the sound level at any location fluctuates greatly during the day. Figures 3 and 4 display the location and the Leq Value (dBA) for each 20-minute measurement location. The location and overall Ldn value of each weeklong measurement is shown in Figure 5.

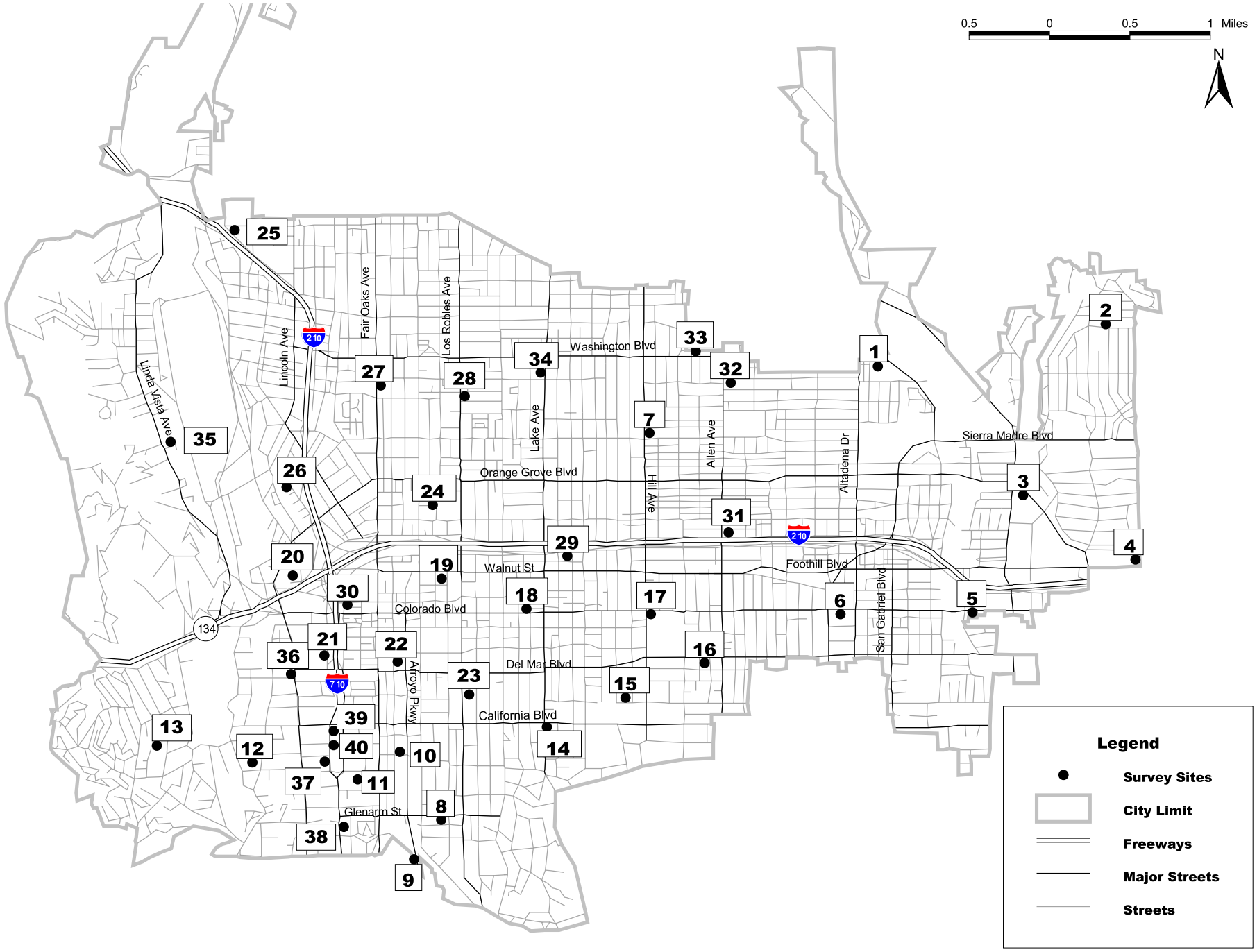


Figure 3 Noise Measurement Locations and Site Numbers

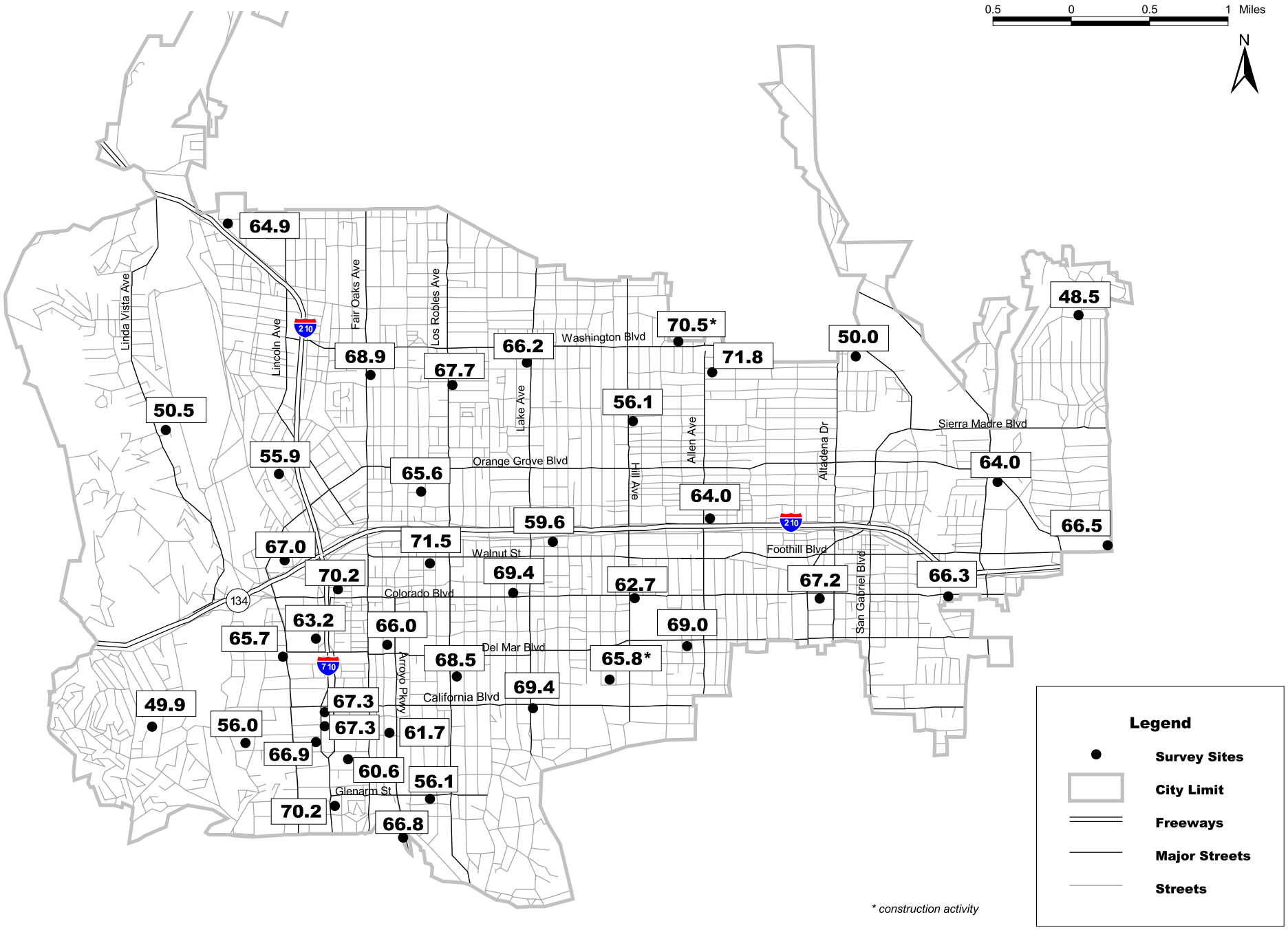


Figure 4 Noise Measurement Locations and Leq Values (dBA)

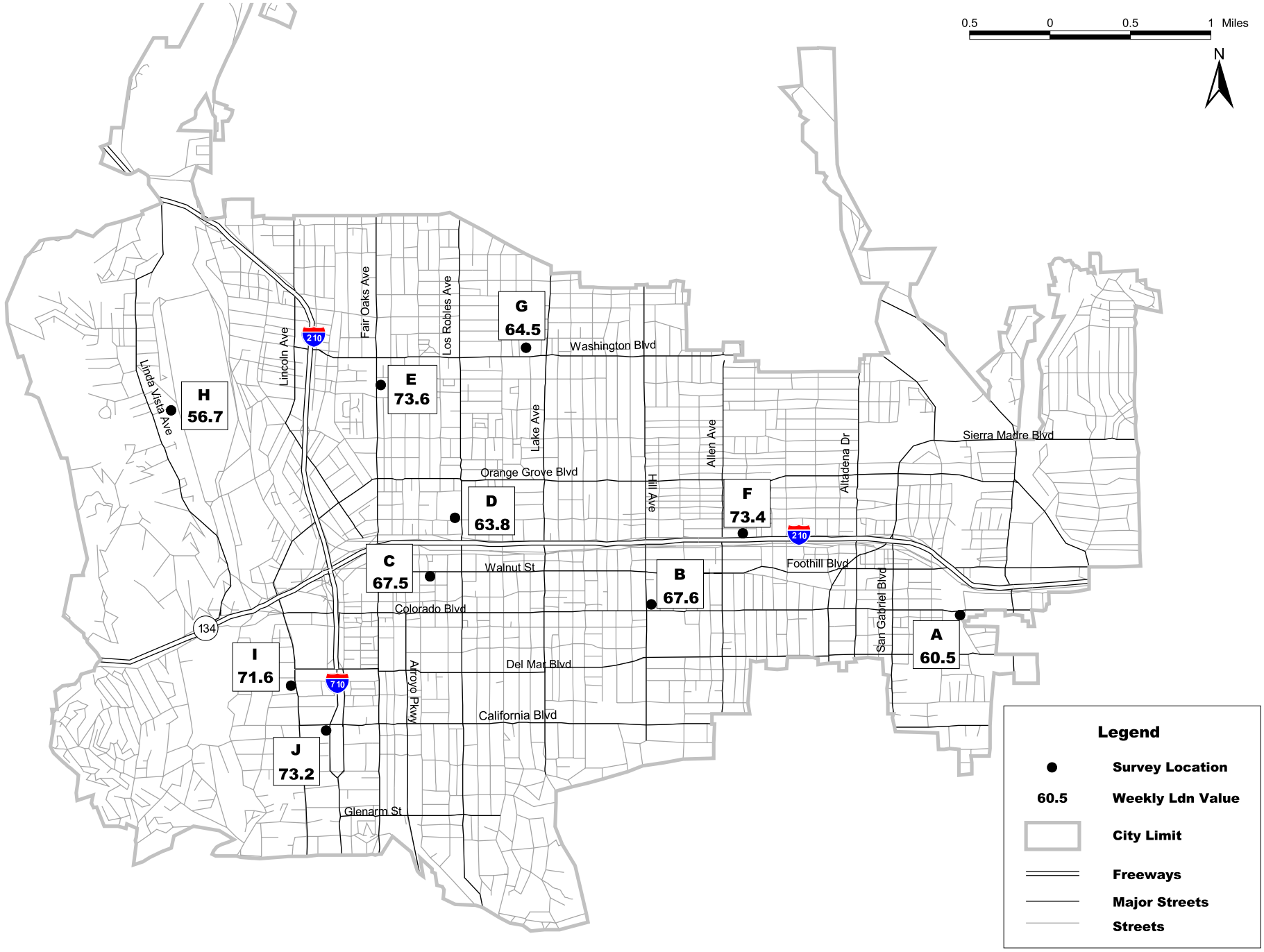


Figure 5 Weeklong Noise Measurement Locations and Ldn Values (dBA)

In the City of Pasadena, the major sources of noise include, but are not limited to:

- Freeway and Highway Traffic
- Street Traffic
- Future Light Rail
- Commercial/Industrial Activity
- Central Arroyo
- Other Sources, such as noise from heliports, the Police Department Eaton Canyon Firing Range, and construction activity

Sites for noise measurements were chosen to take a representative sample of the amount of noise contributed from each of these sources. Also included are results from studies that address specific noise sources: the future Los Angeles to Pasadena Metro Rail Line, the Pasadena Police Department Eaton Canyon Shooting Range, and the Rose Bowl. Measurements were also taken at several noise-sensitive locations throughout the City, such as schools and residential areas.

3.1.1 Freeways and Highways

A significant portion of the noise experienced in Pasadena is produced by traffic on Route 710, Route 110 (Arroyo Parkway), Route 134, and Route 210 Freeways.

Five 20-minute measurement locations were characterized as being subject primarily to noise originating from freeway traffic. The daytime values for these sites are shown in Table 2. The Leq value for these sites ranged from 55.9 to 67.0 dBA. The noise level emanating from freeways varies, depending upon the distance from the freeway and whether the freeway is below, above, or at grade. Freeways that are below ground or grade level produce the lowest levels of noise. For most of these measurement sites, a clear line-of-sight to the traffic lanes was not present; rather topography and position of the freeway and surrounding structures provided some degree of shielding from freeway noise. However, these measurements are illustrative of the extent to which freeway noise can cause the basic ambient noise level for local neighborhoods.

Table 2 Freeway and Highway Traffic Noise (dBA)

Site #	Leq	Lmax	L(10)	L(90)	Notes
9	66.8	81.2	69.7	60.3	Noise from 110 freeway
20	67.0	78.2	70.1	62.7	Noise from 134 and 210 freeways
21	63.2	80.8	66.3	58.2	Noise from 710 freeway
26	55.9	77.2	56.0	51.4	Noise from 210 freeway
29	59.6	76.6	62.5	53.5	Noise from 210 freeway

3.1.2 Street Traffic

Major roadways are principal transportation corridors within the City. These are necessary for the movement of residents within the City, for residents to travel out of the City to other communities, and for non-residents to travel into Pasadena for work, retail, commercial and recreational reasons. Primary transportation routes carry transit vehicles, bicycles and pedestrians, and automobile traffic, rather than being principal streets for automobiles only.

Current transportation strategies defined in the Mobility Element of the General Plan focus travel onto, and provide for convenient movement along these major roadways.

Eight 20-minute and two weeklong survey sites were chosen to measure noise levels resulting from street traffic within the City. Noise levels (Leq) from the 20-minute measurements at these sites range from 67.2 to 71.8 dBA, as shown in Table 3. The weeklong measurements at Sites C and E resulted in overall Ldn levels of 67.5 dBA and 73.6 dBA, respectively. In general, measured noise levels for street traffic tend to be higher than for freeways, due to the close proximity of the meter to the noise source.

In addition, the weeklong survey data showed that relatively high noise levels occurred during evening and early morning hours at these locations. For example, at Location E (along Fair Oaks Boulevard), noise levels remained at or above 60 dBA during much of the nighttime period (10 PM to 7 AM). Please refer to the Appendix for full results of the weeklong data.

Table 3 Noise from Street Traffic (dBA)

Site #	Leq	Lmax	L(10)	L(90)	Notes
6	67.2	83.9	70.8	54.7	Noise from autobody shop across street
14	69.4	86.3	73.3	56.1	Heavy traffic, fire truck siren
16	69.0	84.7	72.4	59.1	Lawn mower noise
18	69.4	87.8	71.0	61.8	Heavy traffic, several Metro buses
23	68.5	83.1	71.9	58.4	Several planes, helicopters
27	68.9	82.8	72.4	56.0	Helicopter
30	70.2	94.0	71.3	65.3	Noise from Pasadena Ave. and 210/710 freeways
32	71.8	92.0	74.9	62.4	Planes
Weeklong measurements					
Site #	**Lowest 1-hr Leq (dBA)**	**Highest 1-hour Leq (dBA)**	**Overall Ldn (dBA)**		**Notes**
C	56.4	71.4	67.5		Near Location 19.
E	56.9	74.6	73.6		Near Location 27.

3.1.3 Future Light Rail

The Los Angeles to Pasadena Metro Gold Line (formerly known as the Blue Line) is a Light Rail project that will connect the City of Pasadena to downtown Los Angeles. This project is currently under construction, and the Los Angeles to Pasadena Metro Construction Authority expects the Gold Line to be ready for use in 2003. The Gold Line will run along the AT&SF rail line right-of-way. The Santa Fe trains stopped operating along this route in 1990 and the tracks were removed several years ago. Two parallel tracks will be installed for the Gold Line and used for transit only. The Gold Line will be a source of noise to the City of Pasadena when it is established. Several sources of information were used to predict the potential noise levels expected by future Gold Line operations. These include an Environmental Impact Report prepared by the Los Angeles County Transportation Commission (LACTC) for the Blue Line, and a study completed in 1995 that measured noise levels of light rail horns and their effects on the community. A current Blue Line train pass-by event was also measured as part of this Noise Element revision.

The Los Angeles County Transportation Commission certified the Final Supplemental Environmental Impact Report (SEIR) for the Los Angeles to Pasadena Light Rail Transit project in 1993. According to the SEIR, operation noise impacts will occur to 121 residences along the Highland Park at-grade alignment. Peak hour noise impacts will occur at the stations at Avenue 51 and 57. Noise impacts will occur to 27 residences along the portion of the at-grade alignment through South Pasadena and Pasadena. As a mitigation measure for these effects, sound walls ranging from 4 to 8 feet high will be constructed at noise sensitive areas along the rail right-of-way (Los Angeles County Transportation Commission, 1993).

The City of Pasadena conducted three light rail horn tests in 1995. The purpose of these tests was to determine if noise from light rail warning horns would create a nuisance for those residents and businesses in Pasadena near the grade crossings at Del Mar Boulevard, California Boulevard, and Glenarm Street. In addition, the study evaluated the effectiveness of the 85 dBA light rail horn as a warning device at the light rail grade crossings. The study concluded that the warning horns would not cause a problem to those residents and businesses within an audible range of the Gold Line. In addition, it was found that the 85 dBA warning was effective in alerting motorists of an oncoming train as they crossed an intersection when the warning horns were sounded. This conclusion may be valid throughout the City; therefore, light rail horn noise should not cause a problem to residents or businesses within an audible range of the Gold Line. It should be noted that the freight trains that used to operate on the railroad line emitted a 105 dBA signal that could be heard over a wide area (Gomez, 1995).

To aid in predicting the noise level that will occur from trains passing by, a Blue Line rail route that is currently operating was measured. Table 4 displays the noise readings measured from a current Blue Line train pass-by.

The Leq for the event was measured at 71.3 dBA while the maximum sound level (Lmax) was measured at 87.9 dBA.

Table 4 Measurement from a Current Blue Line Pass-by

Leq	Lmax	L(10)	L(90)
71.3	87.9	73.9	59.2

** Pass-by occurred along Washington Boulevard in downtown Los Angeles. The measurement duration was 3 minutes.*

Current noise levels near three future station sites were measured as part of the citywide noise survey. The results of the three 20-minute and two weeklong measurements are shown in Table 5. Site #5 is near the future Sierra Madre Villa station, Site #10 is near the future Fillmore station, and Site #31 is near the future Allen station. The 20-minute Leq at Site #5 (66.3 dBA) exceeds the weekly range at nearby Site A (46.3 dBA-62.8 dBA). The overall Ldn value for Site A was 60.5 dBA, while the Ldn for Site F was 73.3 dBA. Future train noise may be audible at these locations, although how noticeable it would be over background noise would depend on the time of day that the pass-by occurred.

Table 5 Noise Levels Near Future Metro Gold Line Stations

Site #	Leq	Lmax	L(10)	L(90)	Notes
5	66.3	79.8	69.7	57.3	Heavy traffic, noise from 210 freeway
10	61.7	82.1	63.5	56.6	Industrial/construction noise
31	64.0	73.2	65.8	60.6	Noise from 210 freeway
Weeklong measurement					
Site #	**Lowest 1-hr Leq (dBA)**	**Highest 1-hour Leq (dBA)**	**Overall Ldn (dBA)**	**Notes**	
A	46.3	62.8	60.5	Near Location 5.	
F	59.3	73.6	73.3	Near Location 31.	

3.1.4 Commercial/Industrial

Although industrial noise is one of the less prevalent community noise problems in Pasadena, neighbors of noisy manufacturing plants can be disturbed by sources such as fans, motors, and compressors mounted on the side of buildings. Interior noise can also be transmitted to the community through open windows and doors, and even through building walls. Commercial areas can produce noise from heavy vehicular and pedestrian traffic, and noise from truck deliveries made to businesses. For the 20-minute measurements, three sites were chosen in known industrial and/or commercial areas of the City. Measured noise levels in these areas for the ambient 20-minute measurements as well as the weeklong survey are shown in Table 6.

Table 6 Noise in Commercial and Industrial Areas

Site #	Leq	Lmax	L(10)	L(90)	Notes
3	64.0	80.1	67.4	54.4	Heavy traffic
4	66.5	77.5	69.9	60.6	Metro buses, traffic, truck delivery
34	66.2	87.7	68.7	58.7	Metro buses, traffic, planes
Weeklong measurement					
Site #	**Lowest 1-hr Leq (dBA)**	**Highest 1-hour Leq (dBA)**	**Overall Ldn (dBA)**	**Notes**	
G	49.3	68.9	64.5	Near Location 34.	

Pasadena is not home to many factories; most of the noise at these locations is due to heavy traffic, merchandise deliveries and machinery associated with the maintenance of the buildings (air conditioning motors, fans, cleaning equipment).

3.1.5 Central Arroyo

The Central Arroyo vicinity primarily includes the Rose Bowl, Brookside Park, Rose Bowl Aquatic Center, and the areas that surround these locations in the Arroyo Seco valley. Noise is generated from many special events that occur during the year in Central Arroyo, including charity fundraising races, walk-a-thons, religious services, and other outdoor events. The future Kids Space Museum in the Fannie Morrison Center will potentially generate additional noise within the Central Arroyo. The Rose Bowl and Rose Bowl Aquatic Center are primary sources of noise due to activity from music concerts, swim meets and other forms of entertainment. Studies have been conducted on noise sources from the Rose Bowl and activity during a swim meet at the Aquatic Center.

<u>Rose Bowl</u>

There have been several studies and measurements used to determine the amount of noise that is generated from events held at the Rose Bowl. A study conducted in 1992 measured noise levels from two rock music concerts, and one in 1996 measured noise from a double-header soccer event. In addition, the 2001 Mitigated Negative Declaration for major events held at the Rose Bowl reported noise levels for several concerts and Galaxy soccer games.

The Rose Bowl Community Noise Study prepared in 1992 by Dr. Frank Gomez monitored noise levels for two different rock bands, the Cure and Guns'N Roses. The noise levels were compared to ambient levels for the area (Table 7). The purpose was to determine if the concerts caused a significant impact on the area's residents.

Table 7 Leq Levels for Two Rose Bowl Music Concerts in 1992 (dBA)

LOCATION	Ambient	CURE	Guns'N Roses
Charles Street	50.5	59.6	64.1
Armada Drive	53.0	66.2	71.7

Source: Gomez, 1992.

Although the noise levels were clearly audible, they did not result in an adverse community response. The Rose Bowl did not receive any noise complaints during either concert, and only 2 out of 31 persons encountered during the monitoring stated that they were annoyed by the concert noise (Gomez, 1992). Pasadena Noise Regulations (Section 9.36.220 of the Municipal Code) regarding limits for amplified sound states "sound level emanating from sound amplifying equipment shall not exceed 15 decibels above the ambient noise level." With this in mind, the Armada Drive measurement for the Guns'N Roses concert exceeded the levels permitted in the Noise Restrictions Ordinance; accordingly, a waiver from the Ordinance was granted by the City Council.

Simultaneous noise measurements were conducted at six locations around the Rose Bowl on a Sunday afternoon in 1996 during successive soccer games. The median levels of the sound distributions are listed in Table 8. Five of the six measurements from the soccer game exceed the ambient levels in the area listed in Table 7.

An acoustical study of noise issues at the Rose Bowl prepared by Gordon Bricken & Associates in 1995 addressed the following issues: approaches and methods of noise control for stadiums, possible designs for public address (PA) sound systems, point source noise guidelines for the Rose Bowl and the ability of the City's current Municipal Code to limit noise.

Table 8 Median Noise Levels for Rose Bowl Soccer Games (dBA)

Location	Lmax	Leq	Lmin
Richland Ave.	78	66	57
Arroyo Blvd.	70	58	49
Devon Rd.	65	53	44
Glen Oaks Blvd.	66	58	51
Charles St.	72	62	52
Chula Vista Ave.	n/a	60	n/a

Source: Gordon Bricken & Associates, 1996.

The findings of the 1995 study can be summarized as follows:

- Sports events are usually not regulated, although some permits may contain special noise regulations or exemptions.
- Music entertainment is sometimes regulated.

- A distributed speaker system can reduce radiated sound while improving quality.
- The Rose Bowl PA system should be reduced by 10 dBA.
- Noise Restrictions Ordinance Chapter 9.36 of the Pasadena Municipal Code does not contain any explicit limits for the Rose Bowl; therefore, noise from the Bowl must comply with standard City Noise Regulations.

As a result of the 1995 report, a new PA system for the Rose Bowl was designed to address the goal of a 10 dBA reduction in noise. This new system was installed and measured, and was found to reduce previous PA levels by at least 10 dBA (Veneklasen & Associates, 1997).

In 2001, a Mitigated Negative Declaration was prepared for major events at the Rose Bowl. It reported the results from acoustical monitoring conducted during previous concert events: Pink Floyd (two events in 1994), Lilith Fair (1998), and N'Sync (2000). For the Pink Floyd concerts, noise levels outside the Rose Bowl ranged from 85 dBA (on Arroyo about 2,000 feet from the center of the Rose Bowl) to 108 dBA (in the east parking lot about 500 feet from the center of the Rose Bowl). For the Lilith Fair concert, noise levels outside the Rose Bowl ranged from 64.3 dBA to 77.4 dBA on Armada Street, 36.5 dBA to 61.8 dBA on Laurel and Parkview, and 42 dBA to 61 dBA on Linda Ridge. Noise readings measured during the N'Sync concert (May 9, 2000) are listed in Table 9.

Table 9 Noise Levels for N'Sync Concert (May 9, 2000)

Location	Approximate Distance from Exterior Limits of the Bowl (feet)	Maximum Recorded Noise Level (dBA)	Time of Measurement
Charles St/Arroyo edge	2,340	65.0	3:00 pm
800 block of Chula St	1,500	66.8	3:30 pm
Pine Oak Lane/Linda Vista – Glen Oaks	2,000	64.7	5:15 pm
Armada/La Mesa	1,450	74.3	6:30 pm
Wotkyns/Westgate	1,200	77.7	7:00 pm
Arroyo/Howard	n/a	72.0	7:45 pm
Arroyo/Palisade	n/a	73.6	8:30 pm

Source: 2002-2003 Major Events at the Rose Bowl Mitigated Negative Declaration, August 2001.

This report also recorded measurements that were taken in 2000 for the Los Angeles Galaxy home soccer games. The resulting noise levels for these games, monitored by the Rose Bowl Operating Corporation (RBOC), are listed in Table 10.

Table 10 Noise Levels for Galaxy Soccer Games (2000)

Location	Approximate Distance from Exterior Limits of the Bowl (feet)	Maximum Recorded Noise Level (dBA)	Date and Time of Measurement
Charles St/Arroyo edge	2,340	60.0	05/20/2000 7:40 pm
		49.1	07/04/2000 4:20 pm
800 block of Chula St	1,500	59.0	05/20/2000 7:30 pm
		54.2	07/04/2000 4:26 pm
Linda Vista/Salvia Canyon	4,680	59.0	05/20/2000 7:20 pm
Wotkyns/Westgate	1,200	58.6	05/20/2000 7:10 pm

Source: 2002-2003 Major Events at the Rose Bowl Mitigated Negative Declaration, August 2001.

Rose Bowl Aquatic Center

In 1996, the Department of Parks and Natural Resources measured sound levels in the vicinity of the Aquatic Center during a swim meet. Measurements were taken in residential areas surrounding the Center. Table 11 contains the readings from the survey. At most locations, measured noise levels were within the “clearly acceptable” level for residential uses. The highest level, the 63 dBA reading at Arroyo at Grand, is still within the “normally acceptable” range.

Table 11 Noise Readings During an Aquatics Center Swim Meet

Time	Level	Location
11:15am	48	Linda Vista @ Mar Vista
11:30am	42	Linda Vista @ Rafael Dr.
12:45pm	43	Rosemont @ Orange Grove
1 pm	63	Arroyo @ Grand
1:45pm	41	Linda Vista @ Mar Vista
2:15pm	55	Arroyo Terrace @ Grand Ave
2:45pm	46	Linda Vista @ Mar Vista
3:00pm	56	Arroyo Terrace @ Grand Ave

Source: Department of Parks & Natural Resources, City of Pasadena, 1996.

3.1.6 Other Noise Sources

Other sources also contribute to the community noise environment. These sources include airplane overflights to and from area airports, heliports and other ground facilities and maintenance functions related to heliport

operation, the Pasadena Police Department Eaton Canyon Firing Range, and construction activity.

Airplane Overflights

There are no private or commercial airports in Pasadena. However, several airports within the southern California region generate flights that periodically pass over the City. These include Burbank-Glendale-Pasadena Airport, about 12 miles to the northwest in Burbank, and Los Angeles International Airport, about 20 miles to the southwest in the City of Los Angeles.

Planes traveling over Pasadena periodically can be audible, but are generally high enough that they do not generate substantial noise in the City. No portion of Pasadena is within the 65 dBA CNEL contour for any area airport.[1]

Neither the Burbank-Glendale-Pasadena Airport nor the Los Angeles International Airport generate noise that is generally audible in Pasadena. However, under certain atmospheric conditions planes periodically fly over Pasadena.

Although noise from operations at the Burbank-Glendale-Pasadena Airport does not exceed any adopted standard in Pasadena, aircraft noise has been a source of concern in the immediate area of that airport. Consequently, the Burbank-Glendale-Pasadena Airport Authority has hired a consultant to evaluate operating restrictions at the airport and prepare an application to the Federal Aviation Administration for approval of those restrictions. That evaluation, known as a Part 161 Study, will specifically evaluate a curfew on all flight operations between the hours of 10 PM and 7 AM.

Helicopters

Helicopters are a source of periodic, high noise levels in Pasadena. The low sound frequencies and high levels of vibration associated with helicopter operations make them especially disturbing to many listeners, particularly at night and in low ambient noise environments.

Helicopter operations conducted by the City of Pasadena Police Department, California Highway Patrol, Los Angeles County Fire Department, Huntington Memorial Hospital, and private operators (TV stations, radio stations, aerial photographers, commercial operators) contribute to the overall noise level of the City. Helicopter activity and associated noise is intermittent, depending on the number of emergency situations that necessitate helicopter use. Helicopters operating in the City generally follow freeways, in accordance with the Helicopter Route Chart for Los Angeles County. Sound levels from a measurement with helicopter activity are shown in Table 12.

[1] According to State standards, an airport-related sound level of less than 65 dBA CNEL is considered compatible with even noise sensitive uses such as residences.

Table 12 Noise Reading from Helicopters Circling the Downtown Pasadena Police Station

Site #	Leq	Lmax	L(10)	L(90)	Notes
19	71.5	98.7	65.6	57.5	Circling helicopters, pedestrian traffic, and music.

Helicopters arrive at Huntington Memorial Hospital from several different agencies that respond to emergency situations. Table 13 displays the number and source of monthly helicopter landings at the hospital during 1999. The greatest number of landings occurred during the winter months, December through March, and during the summer months of July and August. The lowest number of landings occurred during the month of November. The highest amount of rescues arriving at the hospital was from the County Fire Department.

Table 13 Helicopter Landings at Huntington Memorial Hospital in 1999

	County Sheriff	County Fire	Air Rescue	Mercy Air	Other	Total Landings
January	4	6	0	3	0	**13**
February	1	2	0	4	6	**13**
March	4	4	0	1	3	**12**
April	2	4	0	0	0	**6**
May	7	1	0	2	0	**10**
June	3	2	0	1	1	**7**
July	3	3	0	2	2	**10**
August	3	10	0	0	0	**13**
September	5	1	0	1	2	**9**
October	1	3	0	1	3	**8**
November	0	2	0	2	0	**4**
December	3	6	0	1	1	**11**
Total	**36**	**44**	**0**	**18**	**18**	**116**

Source: Huntington Memorial Hospital Security Department, 2001

The Los Angeles County Fire Department operates a helipad at Fire Camp No. 2, located in Oak Grove Park near the Jet Propulsion Laboratory. A helicopter is stationed at that facility every night, arriving each evening between about 5 and 7 PM and departing each morning around 7 AM. The number of emergencies that the helicopter responds to nightly varies from 0 to about 3, with an average of 1 response per night. Therefore, the average number of nightly operations is 4 (2 arrivals and 2 departures). Occasionally during the fire season, an additional helicopter is stationed at the facility on fire stand-by during the day, adding at least 1 arrival and 1 departure (all from Gary Bertz, Senior Pilot, County Fire Department).

The County Fire Department implements the Fly Neighborly Program, a voluntary noise reduction program that addresses noise abatement through:

- Pilot and operator awareness
- Pilot training and indoctrination
- Flight operations planning
- Public acceptance and safety
- Sensitivity to the concerns of the community

The City Police Department's helicopter pad is located at 2175 Yucca Lane in the northwestern portion of the City. The number of operations out of the facility varies, but the Department estimates that up to about 10 daily takeoffs and landings take place at the facility. The Department adheres to the Fly Neighborly program and also implements its own standard operating procedures to minimize noise from helicopters, including:

- A minimum altitude for normal helicopter patrol of 700 feet at night and 500 feet during the day
- When possible, operating at higher altitudes over noise sensitive areas to avoid excessive noise complaints

Weather permitting, helicopter arrivals and departures at both the Police Department and Fire Camp No. 2 helipads tend to follow freeways and open space areas.

Pasadena Police Department Eaton Canyon Shooting Range

The City of Pasadena has operated a firing range in Eaton Canyon for over 75 years. Recent concerns with the firing range as it is currently constructed have caused the City to consider rebuilding the facility to provide "improved safety, more functional training and less impact on surrounding residential neighborhoods" (City Council Agenda Report, March 12, 2001). In June 2001, Veneklasen Associates prepared an acoustical report to determine the type of facility (an indoor range, a baffled range, or an indoor/outdoor range) that would best ensure that noise from the shooting range met the requirements of Pasadena Noise Regulations (Chapter 9.36 of the Municipal Code).

Shooting range noise was measured at five residences located around the shooting range. Factors that varied during the measurements were the shooting range (A or B), type of firearm (shotgun, hand gun, or rifle), number of shooters (3 or 7), distance from shooter to target (7 or 25 yards), and the number of rounds fired per typical volley (5 or 10). A summary of the noise reductions that would be required to reduce the noise to ambient levels is shown in Table 14. The levels shown are from the maximum measured noise level of the shotgun, the loudest firearm of the three tested.

Table 14 Results from Eaton Canyon Shooting Range Acoustical Report

Location	Maximum Measured Shotgun Noise Level (dBA)	Measured Ambient Noise Level (dBA)	Required Noise Reduction (dBA)
2524 Canyon View Lane.	Range A 83	52	31
	Range B 89		37
1800 N. Altadena Drive	Range A 86	53	33
	Range B 79		26
1541 Kinneloa Mesa Road	Range A 72	57	15
	Range B 69		12
1719 Outpost Lane	Range A 76	55	21
	Range B 77		22
2277 Kinclair Drive	Range A 71	55	16
	Range B 63		8

Source: Veneklasen Associates, Inc., 2001.

The results of the study indicate that in order to reduce impulse noise to acceptable levels, a new shooting range constructed at the present site would need to be fully enclosed, with the exception of controlled, sound-attenuated openings for ventilation purposes. At present, the Police Department is pursuing funding to build a new indoor pistol range.

Construction Activity

The noise from construction of highways, city streets, and buildings is a major contributor to the urban scene. Construction noise sources include pneumatic hammers, air compressors, bulldozers, loaders, dump trucks (and their back-up signals), and pavement breakers. Noise measurements that included construction activity are shown in Table 15.

Table 15 Noise from Areas Near Construction Activity

Site #	Leq	Lmax	L(10)	L(90)	Notes
15	65.8	79.1	69.7	56	Construction noise across street
33	70.5	87.5	73.8	60.4	Construction noise, helicopter

3.1.7 Noise Complaints

The record of noise complaints to the Environmental Health Division (EHD) in the City's Health Department from local residents was obtained for the years 1995-2000, as shown in Table 16. Figure 6 displays the spatial distribution of the complaints, classified by category. Complaint categories are machinery, construction, gardening, neighbors and truck deliveries. By far the most frequent type of call received was a resident complaining of loud music from their neighbors. Most machinery complaints were due to loud air conditioning

motors and fans. When residents complained about gardening noise, it was usually regarding leaf blowers.

Table 16 Summary of Noise Complaints to Environmental Health Division

YEAR	TYPE OF COMPLAINT					Total
	Machinery	Construction	Gardening	Neighbors	Trucks	Annual
1995	0	1	1	0	0	**2**
1996	3	1	1	3	0	**8**
1997	10	3	1	6	0	**20**
1998	10	3	3	13	6	**35**
1999	7	10	5	12	12	**46**
2000	4	5	0	15	9	**33**
TOTAL	**34**	**23**	**11**	**50**	**27**	

Source: City of Pasadena Environmental Health Division, January 2001.

Noise calls to the Pasadena Police Department regarding loud music exclusively are shown in Table 17. The majority of these calls were ultimately resolved by the responding peace officer. Most of the remaining calls were unable to be located by the officer upon arriving at the scene. The rest of the calls were either gone on arrival, cancelled by the informant or unfounded. A small percentage of the calls were duplicate calls (more than one call about a particular noise source). Calls that resulted in the officer filing a police report were negligible. Figure 7 displays the spatial distribution of noise complaints to the Police Department for the year 2000. A large number of complaints appear to be clustered in the northern central part of the city, where generally there is a higher population density than elsewhere in the city.

Table 17 Loud Music Complaints to Police Department

	1998		1999		2000		Jan-Feb 2001	
Resolved	2376	75%	2324	74%	2243	67%	256	67%
Unable to Locate	424	13%	443	14%	516	15%	60	16%
Cancelled	104	3%	112	4%	146	4%	21	5%
Unfounded	68	2%	55	2%	149	4%	11	3%
Gone On Arrival	153	5%	161	5%	271	8%	30	8%
Duplicate	12	0%	26	1%	22	1%	2	1%
Report	1	0%	1	0%	3	1%	0	0%
TOTAL	**3138**		**3122**		**3350**		**380**	

Source: Pasadena Police Department, March 2001.

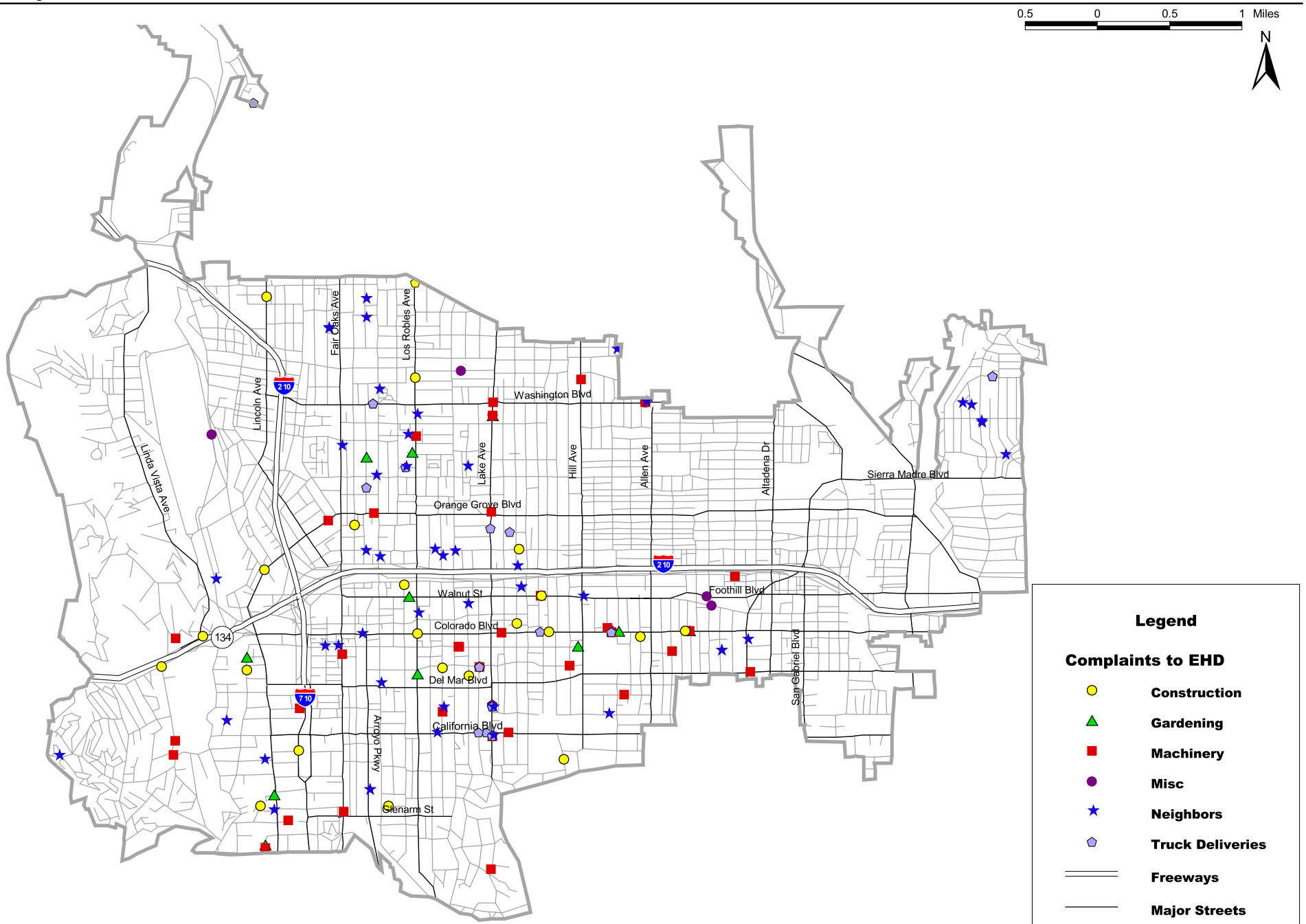


Figure 6 Noise Complaints to the Environmental Health Division (1995-2000)

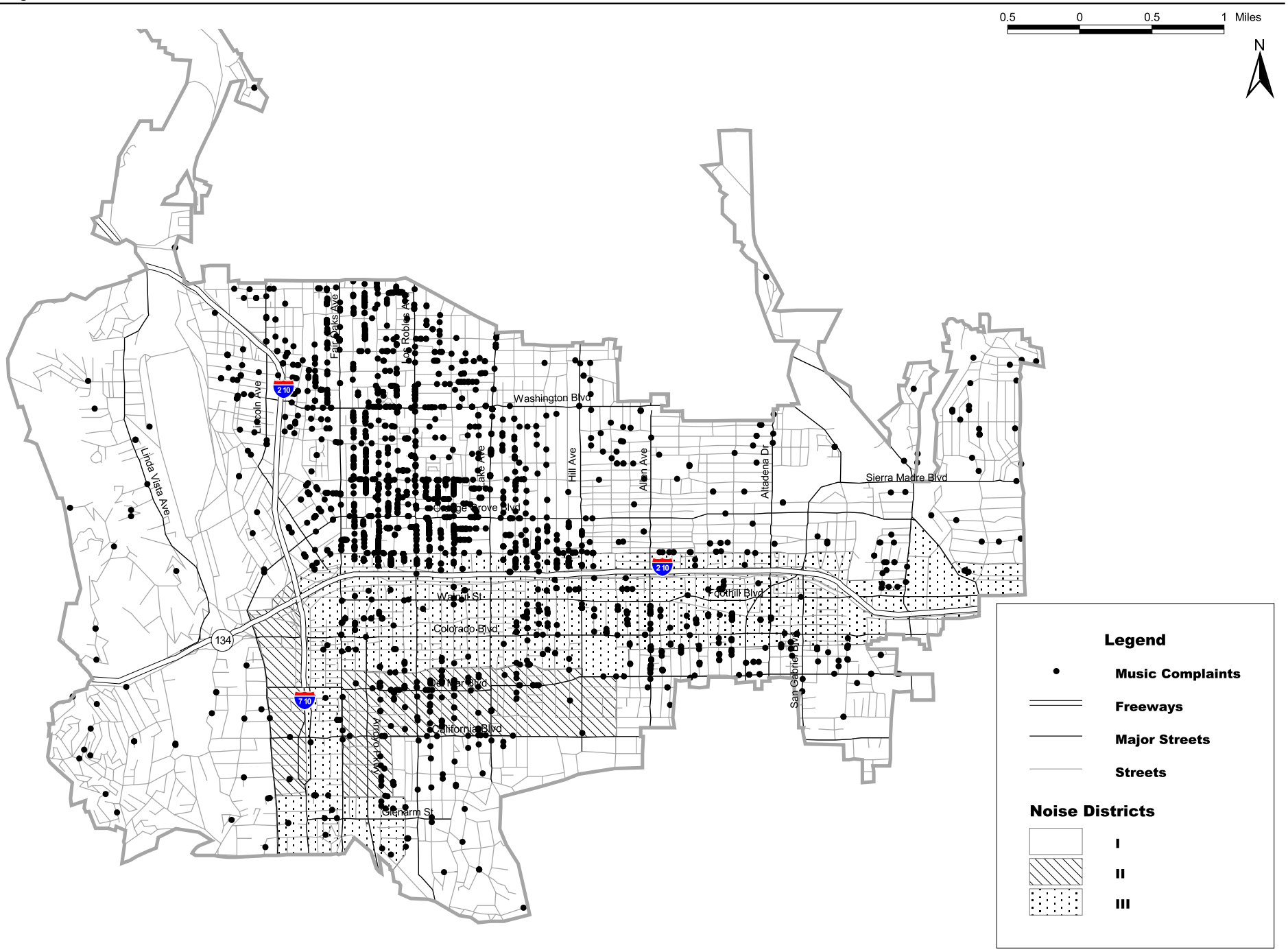


Figure 7 Music Complaints to the Pasadena Police Department (2000)

3.1.8 Noise-Sensitive Locations

Noise-sensitive locations include areas where an excessive amount of noise would interfere with normal operations or activities and where a high degree of noise control may be necessary. Examples include schools, hospitals, and residential areas. Recreational areas may be considered noise-sensitive where quiet and solitude may be an important aspect of the specific recreational experience (for example, Huntington Gardens in adjacent City of San Marino). In most instances, recreational areas are tolerant of higher sound levels and actually are noise sources, though certain facilities need to be located in quieter areas (tot lots, for instance, need to have ambient levels sufficiently low that adult voices can be readily heard). Measured noise levels near sensitive receptors in the City are shown in Table 18.

Consideration should be given to the impact on classroom noise levels caused by exterior noise sources at schools located near arterials, freeways and railroads. Section 216 of the State of California Streets and Highways Code indicates that the interior equivalent sound level for schoolrooms adjacent to a freeway or State highway should not exceed 52 dBA.

Residential areas experience sound levels that ranged from 49.9 to 70.2 dBA Leq. Noisier locations exceed the “clearly acceptable” level for residences, but fall within the “normally acceptable” range. Sound level measurements at schools ranged from 48.5 to 64.9 dBA, which is within the 65 dBA “clearly acceptable” level. The two hospital measurements are also within acceptable limits. While the two readings taken near the recreational areas are higher than the 65 dBA level, Central Park is near to the busy downtown area and helicopter noise was the major contributor to the reading taken at Site 24, the Villa Park Recreational Center.

Five of the weeklong measurements were taken in noise-sensitive locations: three near residential areas, one near a school, and one near a recreational area. For Sites H, I, and J, Ldn values ranged from 56.7 dBA -73.2 dBA. While the Ldn value for Site H falls within the “clearly acceptable” range for residences, the Ldn values for Sites I and J exceed 70 dBA and therefore fall within the “conditionally acceptable” range for residences. Noise levels at Site B resulted in an Ldn of 67.6 dBA, which falls within the “normally acceptable” range for schools, and Site D resulted in 63.8 dBA Ldn, which is considered “clearly acceptable” for recreational uses.

Table 18 Measurements in Noise-Sensitive Locations

Type	Site #	Leq	Lmax	L(10)	L(90)	Notes
Hospital	1	50.0	70.8	52.5	45.2	Noise from nearby preschool, parking lot.
Hospital	11	60.6	79.1	64.2	52.3	Pedestrian activity.
Recreational	22	66.0	82.4	69.8	58.1	Noise from Central Park, traffic.
Recreational	24	65.6	81.6	69.5	54.7	Noise from several helicopters, children playing in Villa Park.
Residential	7	68.2	81.3	72.3	56.1	Traffic from residents returning home from work.
Residential	12	56.0	74.5	58.9	45.2	Noise from dogs, power tools, planes.
Residential	13	49.9	64.0	53.7	44.1	Noise from planes, leaf blower.
Residential	28	67.7	85.3	71.7	50.8	Heavy traffic, Metro buses, nearby commercial activity, planes.
Residential	35	50.5	69.9	53.7	41.4	Police siren, planes.
Residential	36	65.7	79.2	69.8	49.5	Traffic from Orange Grove Boulevard
Residential	37	66.9	78.3	71.7	46.0	Traffic from St. John Street, dog barking
Residential	38	70.2	91.9	73.3	61.0	Traffic from Pasadena Ave
Residential	39	67.3	83.0	70.9	52.7	Traffic from California Blvd. and St. John Ave
Residential	40	67.3	86.5	70.9	54.1	Traffic from California Blvd. and St. John Ave
School	2	48.5	68.6	50.7	42.5	Across street from school.
School	8	56.1	76.9	56.9	46.3	Truck making delivery to school across street, school buzzer.
School	17	62.7	83.4	64.5	58.4	Activity from Pasadena City College, Metro buses, steady traffic.
School	25	64.9	77.7	67.2	60.0	Noise from 210 freeway, helicopter.

Weeklong measurements

Type	Site #	Lowest 1-hr Leq (dBA)	Highest 1-hour Leq (dBA)	Overall Ldn (dBA)	Notes
School	B	53.2	74.6	67.6	Near Location 17.
Recreational	D	47.9	68.4	63.8	Near Location 24.
Residential	H	40.0	60.9	56.7	Near Location 35.
Residential	I	54.2	75.0	71.6	Near Location 36.
Residential	J	58.0	72.8	73.2	Near Location 37.

3.2 Summary of Noise Issues

The results from the community noise survey are summarized below according to the primary noise source. Table 19 shows the highest and lowest dBA values of the 20-minute measurements for each category.

Table 19 High and Low Ranges of 20-Minute Survey Measurements in the Major Noise Source Areas and Noise Sensitive Areas in Pasadena

Noise Source	Leq	Lmax	L(10)	L(90)
Highways and Freeways	55.9-67.0	76.6-81.2	56.0-70.1	51.4-62.7
Street Traffic	67.2-71.8	82.8-94.0	70.8-74.9	54.7-65.3
Future Light Rail	61.7-66.3	73.2-82.1	63.5-69.7	56.6-60.6
Commercial/Industrial	64.0-66.5	77.5-87.7	67.4-69.9	54.4-60.6
Central Arroyo	41.0-77.7	n/a	n/a	n/a
Other Sources	65.8-71.5	79.1-98.7	65.6-73.8	56.0-60.4
Sensitive Areas	48.5-70.2	64.0-91.9	50.7-73.3	41.4-61.0

The highest and lowest 1-hr Leq values for the weeklong survey measurements are shown in Table 20, along with the range of overall Ldn values for the sites within each category.

Table 20 High and Low Ranges of Weeklong Survey Measurements in the Major Noise Source Areas and Noise Sensitive Areas in Pasadena

Noise Source	Lowest 1-hr Leq	Highest 1-hr Leq	Overall Ldn
Street Traffic	56.4	74.6	67.5-73.6
Future Light Rail	46.3	73.6	60.5-73.3
Commercial/Industrial	49.3	68.9	64.5
Sensitive Areas	40.0	75.0	56.7-73.2

In general, the weeklong survey data are comparable to the results of the 20-minute measurements. The Leq ranges for the 20-minute surveys under each category fall within the lowest and highest 1-hr Leq values for the weeklong measurements. The results from the community survey data confirm that noise exceeds the “normally acceptable” level for noise sensitive uses along major roadways and adjacent to the 210 and 710 freeways.

Highways and Freeways

The noise from traffic along Highways 110, 210, 134 and 710 can be significant. Noise walls and elevation changes (below grade) along some segments have reduced noise levels.

Street Traffic

The noise from street traffic is the loudest measured source in the City, with the lowest Leq value being greater than the highest value for many other locations. Noise-sensitive land uses, particularly residential land uses, along major roadways can be impacted by traffic noise.

Future Light Rail

The places where measurements were taken at the sites of future Metro Gold Line (formerly Blue Line) Rail Stations have a relatively high noise level at present. Two out of three of the station sites are already in noisy commercial or industrial areas. This may indicate that future noise occurring from rail operations may not cause a significant impact. The future Del Mar station is near Central Park and the noise may impact activities in this recreational area. The results from the study on the railway warning horns indicate that the noise from the warning horns will not cause a significant impact. The high value of the train pass-by taken during a presently running Blue Line indicates that train pass-bys, while occurring in short durations, may be a significant source of noise. The EIR for the Los Angeles to Pasadena Metro Blue Line project indicates that noise-attenuating walls will be constructed to reduce noise impacts in sensitive areas.

Commercial/Industrial

In general, commercial/industrial operations and activities are not considered a citywide noise problem. Isolated noise problems can occur where commercial/industrial uses are located near a noise-sensitive land use.

Central Arroyo

The noise levels for activities occurring in the Central Arroyo area, including the Rose Bowl and Rose Bowl Aquatic Center, are highly variable and have the greatest range of any category. Noise levels for music concerts are generally higher than soccer games and swim meets, and may extend into nighttime hours, although sound levels vary greatly depending on the group that is performing.

Other Sources

The main sources of other noise in the City are helicopter/airplane flyovers, the Police Firing Range, and construction activities. A substantial amount of helicopter activity occurs in Pasadena, especially on the west side of the City where the freeways cross and the Police Station and Huntington Memorial Hospital are located. There were as many as five helicopters sited during a 20-minute sampling period, at times of greatest helicopter activity. The noise from these helicopters can have a significant impact on sensitive land uses. Noise from the proposed Police Firing Range in Eaton Canyon will be reduced with the construction of an enclosed pistol firing range. Construction

noise can be annoying to sensitive land uses. However, construction noise is sporadic, occurs in varying locations over time. Construction activity is limited by Pasadena Noise Regulations (Chapter 9.36 of the Municipal Code), and occurs primarily during daytime hours.

Sensitive Areas

Noise levels occurring in sensitive areas vary greatly. In general, residential areas tend to experience relatively lower sound levels, as expected. However, where sensitive areas occur near commercial areas or major roadways, sound levels are significantly higher. In addition, the high frequency of helicopter and airplane activity on the western side of the City causes noise levels to be higher in those areas.

Section
4

Noise Level Contours

Noise contours for major transportation sources in Pasadena have been generated for current and future conditions. The noise contours represent bands of equal noise exposure, just as the lines on a weather map indicate equal temperature or atmospheric pressure. They are used to provide a general visualization of sound levels, not absolute lines of demarcation. For example, a 65 dBA Ldn level describes an area as having a time-average constant sound level of roughly 65 dBA even though the area would experience individual sound events higher and lower than 65 dBA.

Landforms and manmade structures have very complex effects on sound transmission. State-of-the-art modeling is such that the accuracy of the calculated contour is usually no better than +/-3 dB. The accuracy of the noise exposure decreases with increasing distance from the noise source. In the near vicinity of the source, prediction accuracy may be within the range of +/-1 dB, while at greater distances this may deteriorate to +/-5 dB or greater. Generally barriers between a source and receiver absorb and/or reflect noise resulting in a quieter environment. In areas where barriers or landforms interrupt the sound transmission, the noise contours overestimate the extent to which a source intrudes into the community. Unfortunately, it is virtually impossible for the Noise Element to analyze each roadway segment of the city for barrier noise attenuation and geographic features. Therefore, where specific projects are proposed within high noise areas, an acoustical analysis should be completed to evaluate the noise reduction provided by any barriers to the noise path.

The City of Pasadena roadway noise contours were calculated using the Federal Highway Administration's Highway Traffic Noise Prediction Model, U.S. Department of Transportation (1998). Model input data included existing and projected average daily traffic levels, day/evening/night percentages of automobiles, medium and heavy trucks, vehicle speeds; evening peak hour traffic levels, and roadway widths. A general estimation of freeway height with respect to adjacent land (elevated, level or depressed) is also considered. The average daily traffic assumptions and distances to the roadway 60, 65, 70, and 75 dBA Ldn contours are provided in the Appendix.

Noise contours for the existing major transportation noise sources are shown in Figure 8, and projected contours for the year 2015 are shown in Figure 9. The Ldn contours are provided for U.S. Highways 210 and 710, State Route 134 and the primary arterials. Contours for future conditions include sound level estimates for the Los Angeles to Pasadena Metro Line rail system.

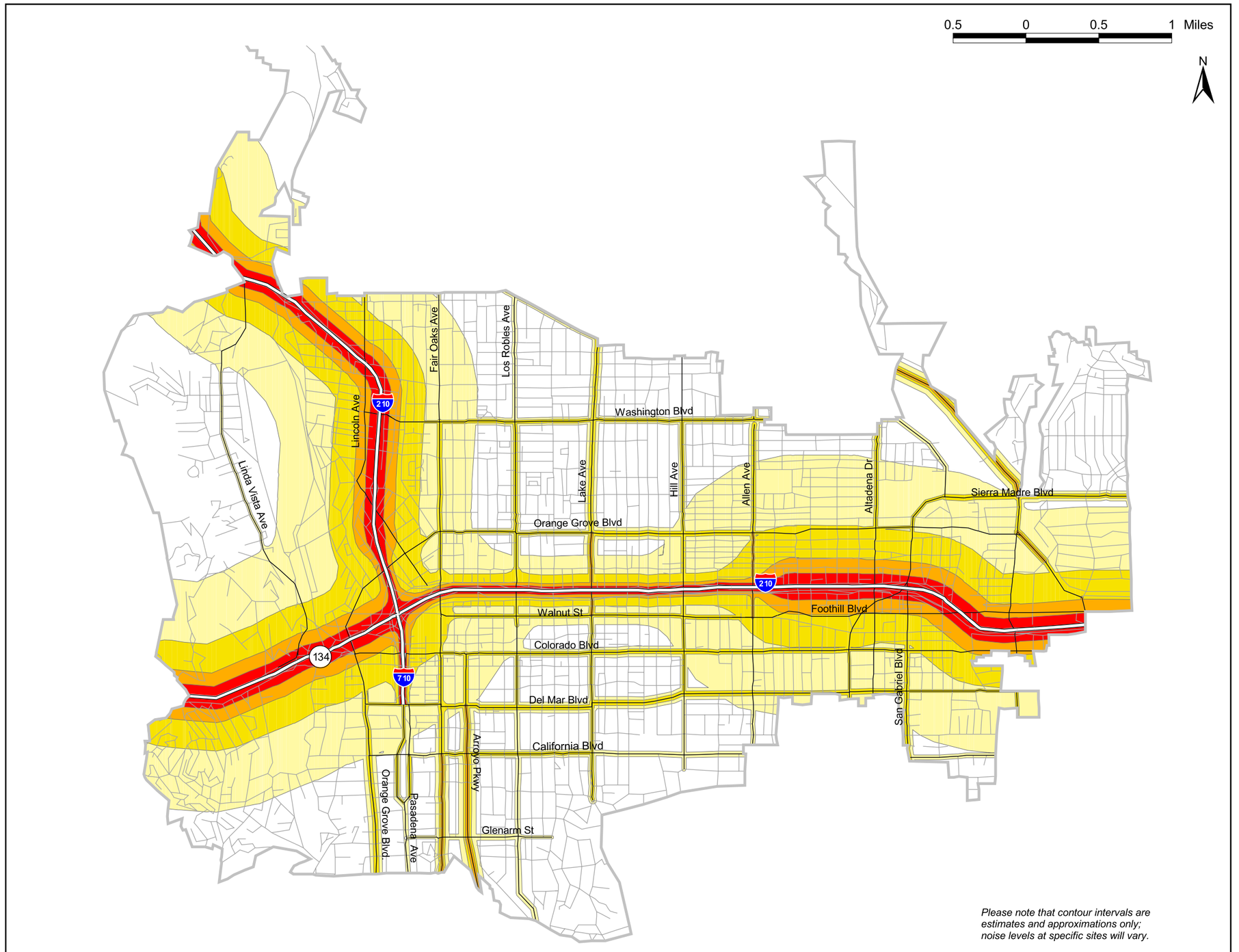
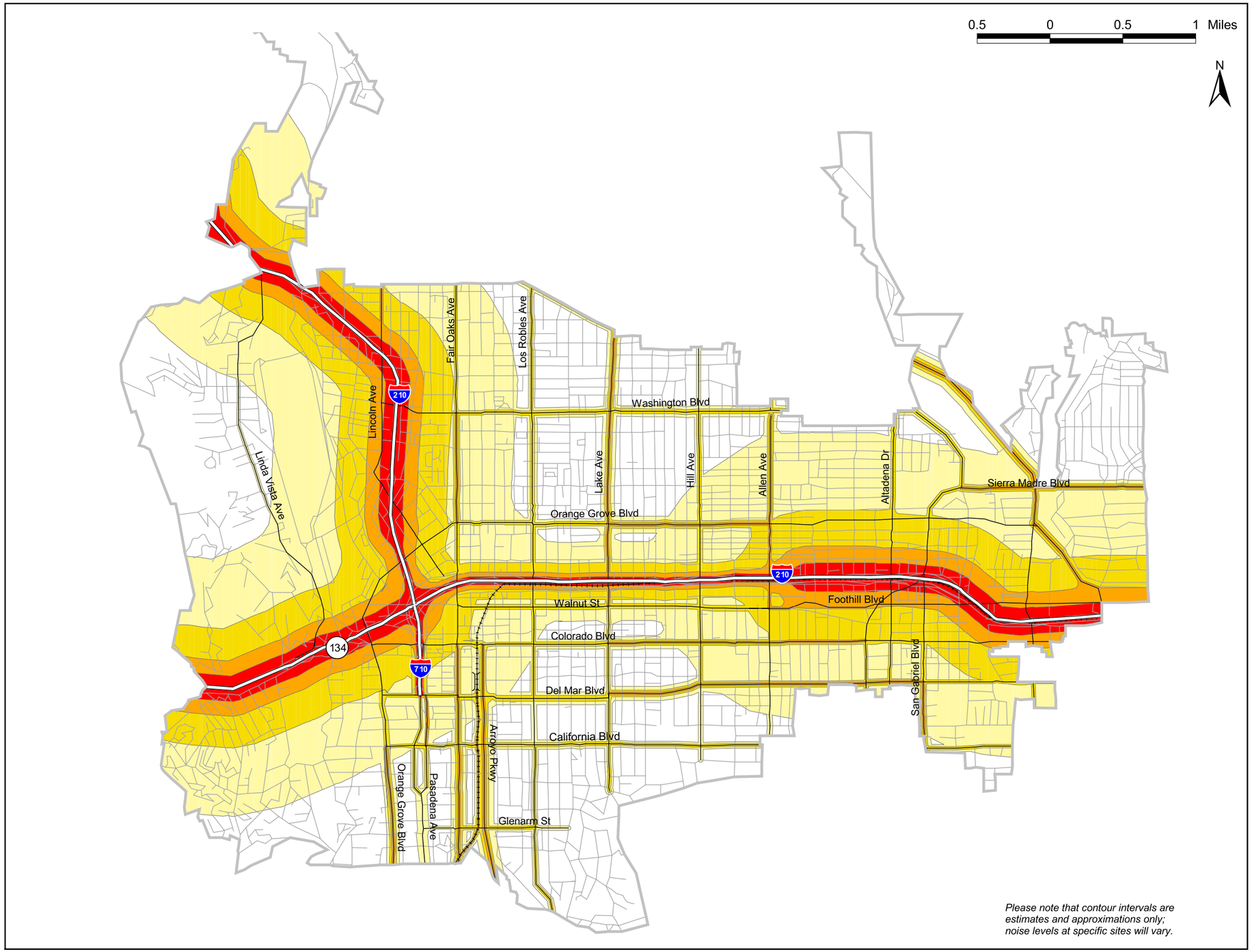


Figure 8 Existing Noise Contours (2001)



Legend

- 75 dBA Contour
- 70 dBA Contour
- 65 dBA Contour
- 60 dBA Contour
- Freeways
- Major Streets
- Streets
- Gold Line Alignment
- Rail Grade Separation

Figure 9 Future Noise Contours (2015)

Appendix

Definitions

Ambient Noise. The composite of noise from all sources both near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.

A-Weighted Sound Pressure Level, dBA. The sound pressure level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and a very high frequency component of the sound in a manner similar to the response of the human ear and gives good correlation with subjective reactions to noise.

Community Noise Equivalent Level (CNEL). The average equivalent A-weighted sound level during a 24-hour day, obtained after addition of five decibels to sound levels in the evening from 7 pm to 10 pm and after addition of 10 decibels to sound levels in the night from 10 pm to 7 am.

Day-Night Average Noise Level (Ldn or DNL). The average equivalent A-weighted sound level during a 24-hour day, obtained after addition of 10 decibels to sound levels in the night after 10 pm and before 7 am.

Decibel (dB). A unit for describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micropascals.

Equivalent Energy Level (Leq). The Leq is defined as the single steady A-weighted level that is equivalent to the same amount of energy as that contained in the actual fluctuating levels over a period of time.

Maximum Noise Level. The maximum instantaneous noise level that occurs during a specific time interval. In acoustics, the maximum sound pressure level is understood to be for single events unless some other kind of level is specified.

Noise. In general, any annoying, harmful or unwanted sound.

Noise Contours. Lines that are drawn around a noise source indicating equal levels of noise exposure. Ldn is the metric utilized herein to describe community exposure to noise.

Noise Impact Area. A specific area exposed to significant levels of noise.

Noise Reduction. Noise reduction, or attenuation, is the ability of a material to reduce the noise level from one place to another or between one room and another. Noise reduction is specified in decibels.

Noise-Sensitive Land Uses. Noise-sensitive land uses include, but are not limited to: residences, schools, libraries, hospitals, churches, offices, hotels, motels, and outdoor recreational intrusive noise. Hence, they are termed "noise-sensitive." Noise-sensitivity factors include interference with speech communication, subjective judgment of noise acceptability and relative noisiness, need for freedom from noise intrusion, and sleep interference criteria. The Land Use Element of the General Plan provides a description of the residential areas throughout the city and is considered the source for the inventory of noise-sensitive areas.

Sound. As used herein, sound is a reaction in the ear caused by radiant energy being transmitted from a source by longitudinal pressure waves in air or some other elastic medium.

Sound Level Meter. A measurement instrument containing a microphone, an amplifier, an output meter and one or more frequency weighting networks. It is used for the determination of sound levels.

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Noise Measurement Data

Results from 20-Minute Noise Survey Data (dBA)

Site #	Leq	Lmax	L(10)	L(90)	Notes
1	50.0	70.8	52.5	45.2	Noise from nearby preschool, parking lot
2	48.5	68.6	50.7	42.5	Across street from School
3	64.0	80.1	67.4	54.4	Heavy traffic
4	66.5	77.5	69.9	60.6	Metro buses, traffic, truck delivery
5	66.3	79.8	69.7	57.3	Heavy traffic, noise from nearby 210 freeway
6	67.2	83.9	70.8	54.7	Noise from autobody shop across street
7	68.2	81.3	72.3	56.1	Traffic from residents returning home from work
8	56.1	76.9	56.9	46.3	Truck making delivery to school across street, school buzzer
9	66.8	81.2	69.7	60.3	Noise from 110 Freeway (depressed)
10	61.7	82.1	63.5	56.6	Industrial/construction noise
11	60.6	79.1	64.2	52.3	Pedestrians
12	56.0	74.5	58.9	45.2	Noise from dog barking, power tools, planes
13	49.9	64.0	53.7	44.1	Noise from planes, leaf blower
14	69.4	86.3	73.3	56.1	Fire truck siren, heavy traffic
15	65.8	79.1	69.7	56.0	Construction noise across street
16	69.0	84.7	72.4	59.1	Lawn mower noise
17	62.7	83.4	64.5	58.4	Activity from Pasadena City College, Metro buses, steady traffic
18	69.4	87.8	71.0	61.8	Several Metro buses, steady traffic
19	71.5	98.7	65.6	57.5	Circling helicopters, pedestrian traffic, boom box
20	67.0	78.2	70.1	62.7	Noise from 210 and 134 freeways
21	63.2	80.8	66.3	58.2	Noise from 710 freeway
22	66.0	82.4	69.8	58.1	Noise from Central Park
23	68.5	83.1	71.9	58.4	Children playing in Villa Park, several planes, helicopters
24	65.6	81.6	69.5	54.7	Noise from several helicopters
25	64.9	77.7	67.2	60.0	Noise from 210 freeway, helicopter
26	55.9	77.2	56.0	51.4	Noise from 210 freeway
27	68.9	82.8	72.4	56.0	Helicopter
28	67.7	85.3	71.7	50.8	Steady traffic, nearby commercial activity, Metro buses, planes
29	59.6	76.6	62.5	53.5	Several planes/helicopters
30	70.2	94.0	71.3	65.3	Noise from 210 freeway
31	64.0	73.2	65.8	60.6	Noise from 210 freeway
32	71.8	92.0	74.9	62.4	Planes
33	70.5	87.5	73.8	60.4	Construction noise, helicopter
34	66.2	87.7	68.7	58.7	Heavy traffic, Metro buses, planes
35	50.5	69.9	53.7	41.4	Police siren, planes
36	65.7	79.2	69.8	49.5	Traffic from Orange Grove Boulevard
37	66.9	78.3	71.7	46.0	Traffic from St. John Street, dog barking
38	70.2	91.9	73.3	61.0	Traffic from Pasadena Ave
39	67.3	83.0	70.9	52.7	Traffic from California Blvd. and St. John Ave
40	67.3	86.5	70.9	54.1	Traffic from California Blvd. and St. John Ave

Noise Measurement Data

Location and Time of 20-Minute Noise Survey Data

Site #	Date	Time	Location	Classification
1	2/15/01	12:19:38	St.Luke's Medical Center	Sensitive
2	2/15/01	13:05:55	Denair St btw Hastings Ranch and Valley View	Sensitive
3	2/15/01	13:42:39	Rosemead btw Sierra Madre Villa & Halstead	Commercial/Industrial
4	2/15/01	14:27:21	Foothill btw Michelinda & Quigley	Commercial/Industrial
5	2/15/01	15:11:40	Colorado btw Northrup & Kinneloa	Future Gold Line station
6	2/15/01	15:56:21	Colorado btw Eloise & Sierra Madre	Street Traffic
7	2/15/01	16:50:11	Hill btw Mountain & Dudley	Sensitive
8	2/16/01	13:12:21	Wallis btw Magnolia & Euclid	Sensitive
9	2/16/01	14:08:39	1760 State St	Highways and Freeways
10	2/16/01	14:41:52	Fillmore btw Raymond & Arroyo Pkwy	Future Gold Line station
11	2/16/01	15:23:19	Bellefontaine btw Fairmont & Pasadena	Sensitive
12	2/16/01	15:57:41	Bradford btw Arroyo & Grand	Sensitive
13	2/16/01	16:32:44	420 Lakeview Rd	Sensitive
14	2/20/01	10:51:01	California btw Mentor & Lake	Street Traffic
15	2/20/01	11:24:18	370 Holliston Ave, CalTech campus	Other
16	2/20/01	11:54:42	Del Mar btw Bonnie & Meridith	Street Traffic
17	2/20/01	12:40:50	Colorado btw Hill & Harkness	Sensitive
18	2/20/01	13:10:32	Colorado btw Hudson & Oak Knoll	Street Traffic
19	2/20/01	13:50:44	Garfield Ave btw Ramona & Holly	Other
20	2/20/01	14:27:05	450 Walnut St	Highways and Freeways
21	2/20/01	14:56:17	St. John btw Del Mar & Cordova	Highways and Freeways
22	2/20/01	15:54:50	Raymond btw Del Mar & Cordova	Sensitive
23	2/20/01	16:33:12	Los Robles btw California & Del Mar	Street Traffic
24	2/20/01	17:05:57	Garfield Ave btw Villa & Parke	Sensitive
25	2/21/01	10:04:21	Montana btw Canada & Casitas	Sensitive
26	2/21/01	10:50:06	Pasadena Ave btw Hickory & Winona	Highways and Freeways
27	2/21/01	11:29:42	Fair Oaks btw Claremont & Washington	Street Traffic
28	2/21/01	11:59:41	Los Robles btw Douglas & Eldora	Sensitive
29	2/21/01	13:07:50	Locust btw Catalina & Mentor	Highways and Freeways
30	2/21/01	14:06:00	Pasadena btw Colorado & Union	Street Traffic
31	2/21/01	14:41:34	Wagner btw Palo Verde & Allen	Future Gold Line station
32	2/21/01	15:11:25	Allen Ave btw Woodlen & Bridgen	Street Traffic
33	2/21/01	15:37:31	Washington btw Sinaloa & Oxford	Other
34	2/21/01	16:05:44	Lake btw Washington & Claremont	Commercial/Industrial
35	2/21/01	16:47:23	Chula Vista Place btw Linda Vista & Chula Vista Ave	Sensitive
36	2/05/02	11:54:48	Orange Grove Blvd between Ellis & Arbor	Sensitive
37	2/05/02	12:50:41	St. John Street between Bellefontaine & Markham	Sensitive
38	2/05/02	13:38:33	Pasadena Ave between Glenarm & State	Sensitive
39	5/14/02	8:20:20	S. St. John Ave across from Singer Park	Sensitive
40	5/14/02	8:41:02	Across from 602 S. St. John Ave	Sensitive

Noise Measurement Data

Summary of Weeklong Noise Measurement Results

Location	Measurement Period	Lowest 1-Hour Leq (dBA)	Highest 1-Hour Leq (dBA)	Overall Ldn (dBA)	Location Description
A	9/24 - 10/1	46.3	62.8	60.5	Corner of Colorado Blvd./Kineola, 50' from Colorado and 25' from Kineola (near Location 5 from the previous survey).
B	9/26 - 10/3	53.2	74.6	67.6	Roof of Church of Jesus Christ/ Latter Day Saints, 15' from Colorado Blvd. and 15' above the sidewalk (near Location 17 from the previous survey).
C	9/20 - 9/27	56.4	71.4	67.5	Roof of 175 N. Garfield, 30' above sidewalk and 15' from Ramona (near Location 19 from the previous survey).
D	9/30 - 10/8	47.9	68.4	63.8	Roof of Villa Park Community Center, 50' from Villa Street and 30' above ground (near Location 24 from the previous survey).
E	9/18 - 9/26	56.9	74.6	73.6	Fair Oaks Blvd. at Fair Oaks Business Park, 50' from the road and 15' above ground (near Location 27 from the previous survey).
F	10/1 - 10/8	59.3	73.6	73.3	Back yard of house at Wagner St./ Palo Verde, 50' from elevated freeway (near Location 31 from the previous survey). Traffic on 210 Fwy was the major noise source.
G	9/18 - 9/25	49.3	68.9	64.5	811 Washington Blvd. just west of Lake Ave., 50' from the road (near Location 34 from the previous survey). Traffic was the major noise source.
H	9/18 - 9/30	40.9	60.9	56.7	End of Charles Street, overlooking Arroyo Seco, near Location 35 from the previous survey.
I	9/26 - 10/3	54.2	75.0	71.6	Tournament House on Orange Grove Blvd., 10' from the road (near Location 36 from the previous survey).
J	9/26 - 10/3	58.0	72.8	73.2	Singer Park on St. John Ave., 20' from the road and 20' above ground (near Location 37 from the previous survey).

Ldn = Day-Night Noise Level (essentially, the 24-hour average sound level, with the addition of 10 dBA to all noise levels occurring between 10 PM and 7 AM).
Leq = Noise Equivalent Level (essentially, the average sound level over a given period of time)

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
24-Sep	14	57.8	47.7	76.8	68.1	59.7	56.4	55	51.4	49.2		Tuesday	09/24/02	1:00 PM	0	602559.5861	59.5
24-Sep	15	59	47.7	84.9	69	60.4	56.6	55.3	51.5	49.2		Tuesday	09/24/02	2:00 PM	0	794328.2347	59.5
24-Sep	16	56.6	46.4	70.5	64.4	59.3	56.4	55.1	51.4	48.7		Tuesday	09/24/02	3:00 PM	0	457088.1896	59.5
24-Sep	17	56.8	45.1	75	65.1	59.3	56.3	55.1	50.6	47.7		Tuesday	09/24/02	4:00 PM	0	478630.0923	59.5
24-Sep	18	57.6	45.8	75.4	66.5	59.8	57	55.7	51.1	48		Tuesday	09/24/02	5:00 PM	0	575439.9373	59.5
24-Sep	19	57.6	45.9	74.7	66.7	59.9	56.8	55.4	51.1	48.3		Tuesday	09/24/02	6:00 PM	0	575439.9373	59.5
24-Sep	20	56.2	48.2	69.6	64.5	58.6	55.9	54.5	51	49.2		Tuesday	09/24/02	7:00 PM	0	416869.3835	59.5
24-Sep	21	55.2	46.3	70.5	63.6	57.8	54.8	53.4	49.7	47.8		Tuesday	09/24/02	8:00 PM	0	331131.1215	59.5
24-Sep	22	54.7	45.6	72.4	63	57.4	54.2	52.7	49.1	47.1		Tuesday	09/24/02	9:00 PM	0	295120.9227	59.5
24-Sep	23	54.1	44.8	69.4	63	56.9	53.2	51.6	48.2	46.3		Tuesday	09/24/02	10:00 PM	10	2570395.783	59.5
24-Sep	24	52.7	42.7	69.4	61.9	55.6	51.7	50	46.1	44.3		Tuesday	09/24/02	11:00 PM	10	1862087.137	59.5
25-Sep	1	49.5	40.7	65.9	57.5	52.5	48.8	47.2	44.2	42.5		Wednesday	09/25/02	12:00 AM	10	891250.9381	59.7
25-Sep	2	48.5	40.8	67.4	56.8	51.3	48	46.6	43.4	42		Wednesday	09/25/02	1:00 AM	10	707945.7844	59.7
25-Sep	3	47.8	39.8	66.4	55.7	50.6	47.2	45.9	42.7	41.2		Wednesday	09/25/02	2:00 AM	10	602559.5861	59.7
25-Sep	4	48.4	39.8	68.2	57.8	50.4	47.1	45.7	43	41.5		Wednesday	09/25/02	3:00 AM	10	691830.9709	59.7
25-Sep	5	49.5	41.2	67.5	59.1	51.7	48.4	47.2	44.6	42.7		Wednesday	09/25/02	4:00 AM	10	891250.9381	59.7
25-Sep	6	53.8	42.1	71.2	64.1	55.5	52.4	51.1	47.5	45.3		Wednesday	09/25/02	5:00 AM	10	2398832.919	59.7
25-Sep	7	55	46.9	75.8	63.4	57.7	54	52.5	49.5	48.1		Wednesday	09/25/02	6:00 AM	10	3162277.66	59.7
25-Sep	8	57.4	48.7	71.7	65.5	60.1	57.2	55.6	51.9	50		Wednesday	09/25/02	7:00 AM	0	549540.8739	59.7
25-Sep	9	57.5	48.1	77.8	65.3	60.3	57.3	55.9	52.1	50		Wednesday	09/25/02	8:00 AM	0	562341.3252	59.7
25-Sep	10	57.5	48.1	74.6	65.9	59.9	56.8	55.4	51.8	49.8		Wednesday	09/25/02	9:00 AM	0	562341.3252	59.7
25-Sep	11	57.2	47.1	77.2	65.7	59.4	56.2	54.8	51.4	49.2		Wednesday	09/25/02	10:00 AM	0	524807.4602	59.7
25-Sep	12	56.6	46.8	72.7	66.3	58.7	55.8	54.5	50.9	48.6		Wednesday	09/25/02	11:00 AM	0	457088.1896	59.7
25-Sep	13	58.6	46.4	86.5	67.7	60.1	56.8	55.4	51.7	48.9		Wednesday	09/25/02	12:00 PM	0	724435.9601	59.7
25-Sep	14	57.4	46.5	79.1	67.5	58.9	55.5	54.2	50.1	47.8		Wednesday	09/25/02	1:00 PM	0	549540.8739	59.7
25-Sep	15	59.1	46	85.8	68.8	59.8	55.9	54.3	50.2	47.6		Wednesday	09/25/02	2:00 PM	0	812830.5162	59.7
25-Sep	16	56.9	45.4	74.6	65.3	59.5	56.3	55	50.4	47.4		Wednesday	09/25/02	3:00 PM	0	489778.8194	59.7
25-Sep	17	57.5	43.9	75.4	66.3	60.1	56.7	55.3	51.5	48		Wednesday	09/25/02	4:00 PM	0	562341.3252	59.7
25-Sep	18	58.6	46.2	80.7	69.1	60	57	55.7	51.5	48.5		Wednesday	09/25/02	5:00 PM	0	724435.9601	59.7
25-Sep	19	56.9	45.8	75.7	64.9	59.5	56.6	55.2	51.3	48.2		Wednesday	09/25/02	6:00 PM	0	489778.8194	59.7
25-Sep	20	56.8	46.9	75	65.6	58.7	56	54.9	51.2	48.7		Wednesday	09/25/02	7:00 PM	0	478630.0923	59.7
25-Sep	21	55.1	45.9	71.8	64.1	57.6	54.5	53	49	47.2		Wednesday	09/25/02	8:00 PM	0	323593.6569	59.7
25-Sep	22	55.3	46.1	71.8	64.1	57.6	54.6	53.2	49.9	48		Wednesday	09/25/02	9:00 PM	0	338844.1561	59.7
25-Sep	23	54.9	42.7	71.6	64.4	57.5	54.2	52.5	47.1	44.5		Wednesday	09/25/02	10:00 PM	10	3090295.433	59.7
25-Sep	24	52.2	41.8	68	61.8	54.9	51.3	49.5	45.2	43.1		Wednesday	09/25/02	11:00 PM	10	1659586.907	59.7
26-Sep	1	51.6	43.8	73.7	59.6	53.8	51	49.8	46.6	45		Thursday	09/26/02	12:00 AM	10	1445439.771	59.7
26-Sep	2	50.2	41.5	59.6	56	52.6	50.4	49.4	46.4	44		Thursday	09/26/02	1:00 AM	10	1047128.548	59.7
26-Sep	3	50.3	39.6	70.3	61.6	51.9	47.3	45.6	42.4	40.6		Thursday	09/26/02	2:00 AM	10	1071519.305	59.7
26-Sep	4	47.2	37.6	63.3	56.7	49.7	45.8	44.5	41.5	40		Thursday	09/26/02	3:00 AM	10	524807.4602	59.7
26-Sep	5	48.2	39.7	66.5	56.4	50.9	47.5	46	43	41		Thursday	09/26/02	4:00 AM	10	660693.448	59.7
26-Sep	6	51.4	41	67.4	59.8	54.3	50.9	49.3	45.4	42.8		Thursday	09/26/02	5:00 AM	10	1380384.265	59.7
26-Sep	7	55.7	44.7	70.7	63.6	58.7	55.4	53.8	49.3	46.5		Thursday	09/26/02	6:00 AM	10	3715352.291	59.7
26-Sep	8	57.5	47.1	76.2	65.8	60.5	57.1	55.2	51	48.6		Thursday	09/26/02	7:00 AM	0	562341.3252	59.7
26-Sep	9	57.4	47.1	77.5	65.6	60	57.1	55.7	51.4	49		Thursday	09/26/02	8:00 AM	0	549540.8739	59.7
26-Sep	10	57.3	49	76.4	65.6	59.7	56.7	55.5	51.9	50.2		Thursday	09/26/02	9:00 AM	0	537031.7964	59.7
26-Sep	11	56.8	47.1	78.5	66.2	58.8	55.9	54.5	50.6	48.5		Thursday	09/26/02	10:00 AM	0	478630.0923	59.7
26-Sep	12	57.1	47.1	77.4	66.5	59.1	56.2	54.9	51.3	49.1		Thursday	09/26/02	11:00 AM	0	512861.384	59.7
26-Sep	13	56.1	47	72.9	64.1	58.6	55.7	54.4	50.7	48.5		Thursday	09/26/02	12:00 PM	0	407380.2778	59.7
26-Sep	14	56.7	45.9	74	65.1	59.6	56	54.5	50.3	48.1		Thursday	09/26/02	1:00 PM	0	467735.1413	59.7
26-Sep	15	56.6	46	77.7	65.4	58.8	55.5	54.1	50.1	47.7		Thursday	09/26/02	2:00 PM	0	457088.1896	59.7
26-Sep	16	56.9	45.5	75.2	65.3	59.6	56	54.7	50.6	47.5		Thursday	09/26/02	3:00 PM	0	489778.8194	59.7
26-Sep	17	57.7	46.3	77	66.6	60.1	57	55.7	51.4	48.4		Thursday	09/26/02	4:00 PM	0	588843.6554	59.7

Location A

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
26-Sep	18	57.9	45.7	77	66.9	60	57.3	55.9	51.6	48		Thursday	09/26/02	5:00 PM	0	616595.0019	59.7
26-Sep	19	57.3	44.9	76.5	66.2	59.7	57	55.5	50.7	47.6		Thursday	09/26/02	6:00 PM	0	537031.7964	59.7
26-Sep	20	57	46.6	82.5	66.3	59	56	54.6	50.7	48.2		Thursday	09/26/02	7:00 PM	0	501187.2336	59.7
26-Sep	21	55.1	45.9	74.7	63.9	57.3	54.4	53	49.4	47.3		Thursday	09/26/02	8:00 PM	0	323593.6569	59.7
26-Sep	22	54.6	45.5	78.3	63.4	57.2	53.9	52.4	48.6	46.9		Thursday	09/26/02	9:00 PM	0	288403.1503	59.7
26-Sep	23	54.7	44.3	80.2	64.9	56.4	52.8	51	47.2	45.5		Thursday	09/26/02	10:00 PM	10	2951209.227	59.7
26-Sep	24	53.7	43	76.5	62.9	56	52.6	51.3	47.2	45.1		Thursday	09/26/02	11:00 PM	10	2344228.815	59.7
27-Sep	1	50.2	40.8	70.9	59.5	52.8	48.4	46.7	43.5	41.7		Friday	09/27/02	12:00 AM	10	1047128.548	60.0
27-Sep	2	48.4	38.7	62.9	57.4	51.7	47.3	45.6	42.5	40.3		Friday	09/27/02	1:00 AM	10	691830.9709	60.0
27-Sep	3	46.3	37.6	60.1	55.3	49.2	45.3	43.9	40.5	39		Friday	09/27/02	2:00 AM	10	426579.5188	60.0
27-Sep	4	47.1	38.2	61.5	55.8	49.7	46.5	45.1	41.7	39.7		Friday	09/27/02	3:00 AM	10	512861.384	60.0
27-Sep	5	49.7	40.5	66.9	58	51.8	49	47.7	44.5	42.2		Friday	09/27/02	4:00 AM	10	933254.3008	60.0
27-Sep	6	52.3	44	73.3	62.4	54.5	51.2	49.8	46.7	45.1		Friday	09/27/02	5:00 AM	10	1698243.652	60.0
27-Sep	7	55.8	46.8	73.4	63.9	58.4	55.1	53.8	50.3	48.4		Friday	09/27/02	6:00 AM	10	3801893.963	60.0
27-Sep	8	57.9	48.5	75.7	66.8	60.5	57.6	56.1	52.4	50.2		Friday	09/27/02	7:00 AM	0	616595.0019	60.0
27-Sep	9	58.5	48.3	79	66.7	60.9	57.9	56.6	53.1	50.3		Friday	09/27/02	8:00 AM	0	707945.7844	60.0
27-Sep	10	57.6	48.7	73.9	66.4	59.9	57.1	55.8	52.2	50.1		Friday	09/27/02	9:00 AM	0	575439.9373	60.0
27-Sep	11	57.7	50	73.4	65.4	60.2	57.2	56.1	52.9	51.1		Friday	09/27/02	10:00 AM	0	588843.6554	60.0
27-Sep	12	57.9	47.7	71.4	66	60.5	57.5	56.2	52.7	49.9		Friday	09/27/02	11:00 AM	0	616595.0019	60.0
27-Sep	13	58.5	48.8	77.4	66.5	60.8	58	56.9	53.8	51.4		Friday	09/27/02	12:00 PM	0	707945.7844	60.0
27-Sep	14	59.1	48.8	76.1	69.2	61.4	57.8	56.6	53.3	51		Friday	09/27/02	1:00 PM	0	812830.5162	60.0
27-Sep	15	58.3	46.9	75.1	68.5	60.4	56.6	55.2	51.5	49.1		Friday	09/27/02	2:00 PM	0	676082.9754	60.0
27-Sep	16	58.4	46.1	84	67	60.7	56.9	55.6	51.5	48.7		Friday	09/27/02	3:00 PM	0	691830.9709	60.0
27-Sep	17	57.9	47.3	76.3	66.2	60.2	57.3	56.2	52.4	49.4		Friday	09/27/02	4:00 PM	0	616595.0019	60.0
27-Sep	18	58.7	48.9	74.7	67.6	60.9	58	56.9	53.2	50.7		Friday	09/27/02	5:00 PM	0	741310.2413	60.0
27-Sep	19	58.7	46.6	81.1	68.2	60.6	57.5	56.2	52.1	49.2		Friday	09/27/02	6:00 PM	0	741310.2413	60.0
27-Sep	20	58.1	45.3	84.2	65.9	58.9	56.1	54.6	50	47.3		Friday	09/27/02	7:00 PM	0	645654.229	60.0
27-Sep	21	55.1	44.9	73.8	63	57.5	54.8	53.5	49.6	46.9		Friday	09/27/02	8:00 PM	0	323593.6569	60.0
27-Sep	22	55.6	44.1	78	64.7	58.1	54.5	52.9	48.1	45.9		Friday	09/27/02	9:00 PM	0	363078.0548	60.0
27-Sep	23	54.1	44	71.1	63.2	56.9	53.2	51.4	47	45.3		Friday	09/27/02	10:00 PM	10	2570395.783	60.0
27-Sep	24	54.3	42.5	76.5	64	56.9	52.8	50.7	46.1	44.1		Friday	09/27/02	11:00 PM	10	2691534.804	60.0
28-Sep	1	51.7	39.9	76.1	59.6	53.8	49.9	48.1	44.2	41.8		Saturday	09/28/02	12:00 AM	10	1479108.388	61.2
28-Sep	2	49.3	39.6	70.7	57.7	52.7	48	45.9	42.9	41.2		Saturday	09/28/02	1:00 AM	10	851138.0382	61.2
28-Sep	3	49.1	36.8	68.4	57.8	52.4	48.3	46.9	41.2	38.7		Saturday	09/28/02	2:00 AM	10	812830.5162	61.2
28-Sep	4	53.9	36.6	83.9	58.6	50	46	43.1	39	37.4		Saturday	09/28/02	3:00 AM	10	2454708.916	61.2
28-Sep	5	57.7	36.4	87.6	61.6	51.1	47.1	45	40.2	38.2		Saturday	09/28/02	4:00 AM	10	5888436.554	61.2
28-Sep	6	52.1	44	71.8	58.9	53.9	51.6	50.7	47.9	45.8		Saturday	09/28/02	5:00 AM	10	1621810.097	61.2
28-Sep	7	53.9	46.6	67.4	61.5	56.2	53.6	52.5	49.8	48.1		Saturday	09/28/02	6:00 AM	10	2454708.916	61.2
28-Sep	8	55.5	48	73.4	64.8	57.7	54.5	53.4	51.1	49.4		Saturday	09/28/02	7:00 AM	0	354813.3892	61.2
28-Sep	9	55.7	46.7	75.4	64.8	57.8	54.8	53.4	50.1	48.1		Saturday	09/28/02	8:00 AM	0	371535.2291	61.2
28-Sep	10	55.8	47.5	75.3	64.1	58.3	55.4	54.1	50.7	49		Saturday	09/28/02	9:00 AM	0	380189.3963	61.2
28-Sep	11	56.1	47.1	72.1	64	58.8	55.8	54.4	50.8	48.7		Saturday	09/28/02	10:00 AM	0	407380.2778	61.2
28-Sep	12	57	46.9	76.1	65.6	59.4	56.6	55.3	51.6	49.1		Saturday	09/28/02	11:00 AM	0	501187.2336	61.2
28-Sep	13	57	46.1	76.4	65.9	58.7	56.1	54.9	51.1	48.6		Saturday	09/28/02	12:00 PM	0	501187.2336	61.2
28-Sep	14	56.9	46.9	76.5	65.7	59.2	56.4	55.2	51.2	48.5		Saturday	09/28/02	1:00 PM	0	489778.8194	61.2
28-Sep	15	57.2	47.4	71.6	65.1	59.7	56.9	55.6	52.2	49.7		Saturday	09/28/02	2:00 PM	0	524807.4602	61.2
28-Sep	16	57.1	47.6	73.4	65.4	59.4	56.7	55.5	52	49.8		Saturday	09/28/02	3:00 PM	0	512861.384	61.2
28-Sep	17	56.3	45.7	72.6	64.8	58.6	56	54.7	50.8	48.1		Saturday	09/28/02	4:00 PM	0	426579.5188	61.2
28-Sep	18	57.1	44.3	73.1	64.5	59.7	57.1	55.7	51.3	47.9		Saturday	09/28/02	5:00 PM	0	512861.384	61.2
28-Sep	19	57	44.7	78.7	65.4	58.9	56.5	55.2	51.1	48		Saturday	09/28/02	6:00 PM	0	501187.2336	61.2
28-Sep	20	57	48.7	74.6	64.5	59.3	56.8	55.7	53	50.6		Saturday	09/28/02	7:00 PM	0	501187.2336	61.2
28-Sep	21	55.5	45.3	71.8	63.1	57.9	55.2	53.9	49.8	46.8		Saturday	09/28/02	8:00 PM	0	354813.3892	61.2

Location A

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
28-Sep	22	54.4	45.4	69.5	62.4	57.3	54.1	52.4	48.3	46.6		Saturday	09/28/02	9:00 PM	0	275422.8703	61.2
28-Sep	23	58.7	44.3	86	63.2	57.3	53.9	51.9	47.9	45.8		Saturday	09/28/02	10:00 PM	10	7413102.413	61.2
28-Sep	24	53.1	42.4	73.4	61.4	56.2	52.6	50.6	46.1	44.1		Saturday	09/28/02	11:00 PM	10	2041737.945	61.2
29-Sep	1	54.3	44	71	61.5	57.5	54.1	52.1	47.5	45.3		Sunday	09/29/02	12:00 AM	10	2691534.804	59.6
29-Sep	2	52.5	40.9	71.9	60.8	55.9	52	49.5	45	42.5		Sunday	09/29/02	1:00 AM	10	1778279.41	59.6
29-Sep	3	50.4	39.1	70.5	59.7	54	49.1	46.5	42.4	40.2		Sunday	09/29/02	2:00 AM	10	1096478.196	59.6
29-Sep	4	51	37.4	67.7	58.1	54.8	51.2	49	41.3	38.9		Sunday	09/29/02	3:00 AM	10	1258925.412	59.6
29-Sep	5	48.7	37.8	68.8	57.7	52.1	46.6	44.8	41	39.1		Sunday	09/29/02	4:00 AM	10	741310.2413	59.6
29-Sep	6	49.1	38.6	64.9	58.6	52.6	47.2	45.6	42.6	40.3		Sunday	09/29/02	5:00 AM	10	812830.5162	59.6
29-Sep	7	49.9	39.2	70.4	59	53.1	48.2	46.3	42.5	40.5		Sunday	09/29/02	6:00 AM	10	977237.221	59.6
29-Sep	8	52.3	42.9	72.3	60.8	55.1	51.6	50.1	46.4	44.3		Sunday	09/29/02	7:00 AM	0	169824.3652	59.6
29-Sep	9	52.5	43	68.5	61.2	55.3	52	50.4	47	44.5		Sunday	09/29/02	8:00 AM	0	177827.941	59.6
29-Sep	10	54.3	44.7	72.6	63.5	56.8	53.5	52	48.2	46.3		Sunday	09/29/02	9:00 AM	0	269153.4804	59.6
29-Sep	11	62.1	47.3	72.2	65.9	64	63.1	62.3	55.2	49.7		Sunday	09/29/02	10:00 AM	0	1621810.097	59.6
29-Sep	12	58	45.7	82.3	65.4	62.2	55.2	53.5	49.6	47.5		Sunday	09/29/02	11:00 AM	0	630957.3445	59.6
29-Sep	13	59.9	45.9	91.6	67	58	55	53.8	50.3	48.3		Sunday	09/29/02	12:00 PM	0	977237.221	59.6
29-Sep	14	56.1	46.3	76.2	65.1	57.9	55.4	54.1	50.7	48.3		Sunday	09/29/02	1:00 PM	0	407380.2778	59.6
29-Sep	15	56.2	47.3	71.6	63.3	58.6	56.1	55	51.9	49.6		Sunday	09/29/02	2:00 PM	0	416869.3835	59.6
29-Sep	16	55.6	47.4	68.4	62.8	57.9	55.6	54.4	51.2	49.2		Sunday	09/29/02	3:00 PM	0	363078.0548	59.6
29-Sep	17	56.2	47.1	74.7	63.9	58.4	55.9	54.6	51.1	48.9		Sunday	09/29/02	4:00 PM	0	416869.3835	59.6
29-Sep	18	56.4	47.8	75.7	64.8	58.4	56	54.8	51.5	49.5		Sunday	09/29/02	5:00 PM	0	436515.8322	59.6
29-Sep	19	56.1	47.9	78.6	63.6	58.2	55.8	54.5	50.9	49.1		Sunday	09/29/02	6:00 PM	0	407380.2778	59.6
29-Sep	20	56.7	47.5	71.8	64.7	58.9	56.5	55.4	51.9	49.3		Sunday	09/29/02	7:00 PM	0	467735.1413	59.6
29-Sep	21	58.9	48.3	91.2	64.7	57.9	55.5	54.4	51.5	49.8		Sunday	09/29/02	8:00 PM	0	776247.1166	59.6
29-Sep	22	55.8	47.9	70.7	63.6	58.1	55.7	54.4	51.4	49.7		Sunday	09/29/02	9:00 PM	0	380189.3963	59.6
29-Sep	23	54.6	47.2	75.7	64.1	56.5	53	51.6	49.2	48.1		Sunday	09/29/02	10:00 PM	10	2884031.503	59.6
29-Sep	24	52	44.3	66.9	59.6	54.6	51.6	50.2	47.5	46.1		Sunday	09/29/02	11:00 PM	10	1584893.192	59.6
30-Sep	1	52.3	43.2	75.3	60	54	51.4	50.2	47.3	45.5		Monday	09/30/02	12:00 AM	10	1698243.652	62.7
30-Sep	2	50.7	43.5	62.4	56.9	53.1	50.8	49.8	46.9	44.8		Monday	09/30/02	1:00 AM	10	1174897.555	62.7
30-Sep	3	50.7	43	61.2	57.2	53.4	50.8	49.6	46.7	44.7		Monday	09/30/02	2:00 AM	10	1174897.555	62.7
30-Sep	4	53	44.2	67.6	58.2	55.3	53.2	52.1	49.1	46.8		Monday	09/30/02	3:00 AM	10	1995262.315	62.7
30-Sep	5	54.2	46.2	63.4	58.8	56.4	54.6	53.8	51.2	48.3		Monday	09/30/02	4:00 AM	10	2630267.992	62.7
30-Sep	6	56.1	49.9	72	62.2	57.9	56.1	55.3	53.1	51		Monday	09/30/02	5:00 AM	10	4073802.778	62.7
30-Sep	7	62.8	52.6	76.4	72.2	66.6	61.5	59.5	55	53.3		Monday	09/30/02	6:00 AM	10	19054607.18	62.7
30-Sep	8	58.8	51.2	71.6	65.1	61.3	59	57.8	54.8	52.8		Monday	09/30/02	7:00 AM	0	758577.575	62.7
30-Sep	9	58.7	48.5	79.8	67.1	61.2	58.1	56.7	52.5	49.9		Monday	09/30/02	8:00 AM	0	741310.2413	62.7
30-Sep	10	59.6	47.8	82.3	68.6	61.1	58.1	56.5	52.2	50		Monday	09/30/02	9:00 AM	0	912010.8394	62.7
30-Sep	11	57.3	46.8	75.1	65.4	60	57	55.5	51.5	48.4		Monday	09/30/02	10:00 AM	0	537031.7964	62.7
30-Sep	12	57.7	47	73.6	65.5	60.5	57.4	56	52.3	50		Monday	09/30/02	11:00 AM	0	588843.6554	62.7
30-Sep	13	58.5	48.1	74.5	66.4	60.8	58.1	56.9	53.9	50.6		Monday	09/30/02	12:00 PM	0	707945.7844	62.7
30-Sep	14	58.6	48.6	74.6	67.1	60.9	58	56.8	53.2	50.7		Monday	09/30/02	1:00 PM	0	724435.9601	62.7
30-Sep	15	58.8	50.3	73.6	66.6	61.3	58.5	57.2	54	52		Monday	09/30/02	2:00 PM	0	758577.575	62.7
30-Sep	16	58.7	46.9	73.6	67.1	61.4	58.3	57	52.9	50.2		Monday	09/30/02	3:00 PM	0	741310.2413	62.7
30-Sep	17	59.2	45	90.5	66.1	60.5	57.7	56.3	51.9	48.5		Monday	09/30/02	4:00 PM	0	831763.7711	62.7
30-Sep	18	59.1	48.1	86.2	67.3	61.1	58.1	56.8	52.6	50		Monday	09/30/02	5:00 PM	0	812830.5162	62.7
30-Sep	19	58	48.2	77.1	65.8	60.3	57.7	56.4	52.7	50.4		Monday	09/30/02	6:00 PM	0	630957.3445	62.7
30-Sep	20	57	47.4	73.3	65.4	59.4	56.6	55.3	51.2	48.7		Monday	09/30/02	7:00 PM	0	501187.2336	62.7
30-Sep	21	55.3	46.1	71.6	63.8	58	54.9	53.3	49.5	47.5		Monday	09/30/02	8:00 PM	0	338844.1561	62.7
30-Sep	22	56	46.7	74.2	65.4	58.1	55.1	53.7	50.7	48.5		Monday	09/30/02	9:00 PM	0	398107.1706	62.7
30-Sep	23	53.2	41.4	72.9	63.3	55.7	52	50.2	45.3	43		Monday	09/30/02	10:00 PM	10	2089296.131	62.7
30-Sep	24	50.2	39.6	66.3	59	53.5	49.2	47	43.2	41.1		Monday	09/30/02	11:00 PM	10	1047128.548	62.7
1-Oct	1	47.5	37.7	63.6	56.5	51	46.3	44.7	41.4	39.6		Tuesday	10/01/02	12:00 AM	10	562341.3252	59.5

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
1-Oct	2	47	36.6	64.3	56.3	50	45.5	43.9	40.3	38.3		Tuesday	10/01/02	1:00 AM	10	501187.2336	59.5
1-Oct	3	47.2	36	69.9	57.6	49	44.7	43	39.5	37.4		Tuesday	10/01/02	2:00 AM	10	524807.4602	59.5
1-Oct	4	46.4	36.2	66.8	55.9	48.5	44.2	42.7	39.4	37.8		Tuesday	10/01/02	3:00 AM	10	436515.8322	59.5
1-Oct	5	47.5	37.4	70.4	56.4	49.5	45.7	44.4	41.1	39.2		Tuesday	10/01/02	4:00 AM	10	562341.3252	59.5
1-Oct	6	52.2	41.4	68.3	61.2	54.6	51.5	50.3	45.4	43.2		Tuesday	10/01/02	5:00 AM	10	1659586.907	59.5
1-Oct	7	56.4	47.2	74.2	63.6	59.3	56.3	55	50.1	48.3		Tuesday	10/01/02	6:00 AM	10	4365158.322	59.5
1-Oct	8	59.6	48	85.2	68.3	61.1	58	56.6	53.2	50.6		Tuesday	10/01/02	7:00 AM	0	912010.8394	59.5
1-Oct	9	58	48.9	74.4	66.3	60.5	57.7	56.3	52.5	50.3		Tuesday	10/01/02	8:00 AM	0	630957.3445	59.5
1-Oct	10	57.9	48.9	74.1	66.5	60.3	57.3	55.9	52.4	50.7		Tuesday	10/01/02	9:00 AM	0	616595.0019	59.5
1-Oct	11	57	47.4	72.1	65.7	59.6	56.6	55.1	50.9	48.6		Tuesday	10/01/02	10:00 AM	0	501187.2336	59.5
		57.15											estimated	11:00 AM	0	518800.0389	59.5
		58.55											estimated	12:00 PM	0	716143.4102	59.5
24-Sep	14	57.8	47.7	76.8	68.1	59.7	56.4	55	51.4	49.2		Tuesday	09/24/02	1:00 PM	0	602559.5861	59.5
24-Sep	15	59	47.7	84.9	69	60.4	56.6	55.3	51.5	49.2		Tuesday	09/24/02	2:00 PM	0	794328.2347	59.5
24-Sep	16	56.6	46.4	70.5	64.4	59.3	56.4	55.1	51.4	48.7		Tuesday	09/24/02	3:00 PM	0	457088.1896	59.5
24-Sep	17	56.8	45.1	75	65.1	59.3	56.3	55.1	50.6	47.7		Tuesday	09/24/02	4:00 PM	0	478630.0923	59.5
24-Sep	18	57.6	45.8	75.4	66.5	59.8	57	55.7	51.1	48		Tuesday	09/24/02	5:00 PM	0	575439.9373	59.5
24-Sep	19	57.6	45.9	74.7	66.7	59.9	56.8	55.4	51.1	48.3		Tuesday	09/24/02	6:00 PM	0	575439.9373	59.5
24-Sep	20	56.2	48.2	69.6	64.5	58.6	55.9	54.5	51	49.2		Tuesday	09/24/02	7:00 PM	0	416869.3835	59.5
24-Sep	21	55.2	46.3	70.5	63.6	57.8	54.8	53.4	49.7	47.8		Tuesday	09/24/02	8:00 PM	0	331131.1215	59.5
24-Sep	22	54.7	45.6	72.4	63	57.4	54.2	52.7	49.1	47.1		Tuesday	09/24/02	9:00 PM	0	295120.9227	59.5
24-Sep	23	54.1	44.8	69.4	63	56.9	53.2	51.6	48.2	46.3		Tuesday	09/24/02	10:00 PM	10	2570395.783	59.5
24-Sep	24	52.7	42.7	69.4	61.9	55.6	51.7	50	46.1	44.3		Tuesday	09/24/02	11:00 PM	10	1862087.137	59.5
																Overall Ldn:	60.5

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
26-Sep	14	74.6	51.5	100.5	84.2	76	69.6	66.3	59.2	53.1		Thursday	09/26/02	1:00 PM	0	28840315.03	68.6
26-Sep	15	65.9	56.2	87.2	74.7	68.2	65.4	63.8	60.6	58.4		Thursday	09/26/02	2:00 PM	0	3890451.45	68.6
26-Sep	16	66.4	57	86.6	75	68.7	65.8	64.4	61.1	58.8		Thursday	09/26/02	3:00 PM	0	4365158.322	68.6
26-Sep	17	66	56	81.5	74.4	68.4	65.6	64.3	61.1	58.1		Thursday	09/26/02	4:00 PM	0	3981071.706	68.6
26-Sep	18	68.4	55.4	101	74.3	68.5	65.3	63.8	59.6	57.1		Thursday	09/26/02	5:00 PM	0	6918309.709	68.6
26-Sep	19	64.9	53.6	82.6	74.4	67.3	64.3	62.6	58	55.5		Thursday	09/26/02	6:00 PM	0	3090295.433	68.6
26-Sep	20	64.4	52.4	82.4	73.3	67	64.1	62.3	56.9	54.1		Thursday	09/26/02	7:00 PM	0	2754228.703	68.6
26-Sep	21	63.8	51.6	82.9	72.2	66.8	63.6	61.4	55.3	52.8		Thursday	09/26/02	8:00 PM	0	2398832.919	68.6
26-Sep	22	63.4	51.8	80.5	71.9	66.8	63.3	60.9	55.2	53.0		Thursday	09/26/02	9:00 PM	0	2187761.624	68.6
26-Sep	23	63.9	50.2	88.4	71.7	66.8	63	60.5	53.6	51.2		Thursday	09/26/02	10:00 PM	10	24547089.16	68.6
26-Sep	24	61.5	49	80.8	69.5	65	61	57.9	51.3	49.8		Thursday	09/26/02	11:00 PM	10	14125375.45	68.6
27-Sep	1	58.7	48.2	76.2	68.1	62.9	56.3	53	49.6	49.0		Friday	09/27/02	12:00 AM	10	7413102.413	68.3
27-Sep	2	58.2	48.1	77.7	68.1	62.2	55.8	52.5	49.5	49.0		Friday	09/27/02	1:00 AM	10	6606934.48	68.3
27-Sep	3	55.7	47.7	74.6	65.8	59.1	52.2	50.5	49.1	48.1		Friday	09/27/02	2:00 AM	10	3715352.291	68.3
27-Sep	4	55.7	48	71.4	66.9	58.7	51.3	50.2	49.1	48.2		Friday	09/27/02	3:00 AM	10	3715352.291	68.3
27-Sep	5	56.1	48.2	76.9	67	58.2	51.6	50.7	49.4	49.0		Friday	09/27/02	4:00 AM	10	4073802.778	68.3
27-Sep	6	60	48.3	79	70.4	63.8	56.7	53.3	49.9	49.1		Friday	09/27/02	5:00 AM	10	10000000	68.3
27-Sep	7	63.2	48.9	84.3	73.6	66.6	61.6	58.8	52.7	50.6		Friday	09/27/02	6:00 AM	10	20892961.31	68.3
27-Sep	8	65.6	52	82.9	75.3	68.5	64.7	62.5	56.9	53.7		Friday	09/27/02	7:00 AM	0	3630780.548	68.3
27-Sep	9	66.2	54.6	82.7	75.9	69.2	65.3	63.2	57.8	56.0		Friday	09/27/02	8:00 AM	0	4168693.835	68.3
27-Sep	10	64.9	54.3	79.2	74.1	67.9	64.5	62.4	57.6	55.6		Friday	09/27/02	9:00 AM	0	3090295.433	68.3
27-Sep	11	66	53.8	86.6	75.6	68.5	64.7	62.6	58.1	55.4		Friday	09/27/02	10:00 AM	0	3981071.706	68.3
27-Sep	12	65.4	54.1	82.3	73.1	68.2	65.2	63.4	59	56.2		Friday	09/27/02	11:00 AM	0	3467368.505	68.3
27-Sep	13	66	56.4	83.7	75.3	68.1	65.3	63.7	60	57.6		Friday	09/27/02	12:00 PM	0	3981071.706	68.3
27-Sep	14	66.4	53.8	94.6	75.1	68.8	65.5	64	59.6	56.0		Friday	09/27/02	1:00 PM	0	4365158.322	68.3
27-Sep	15	66.3	53.9	82.3	76.2	68.7	65.6	63.8	59.3	56.1		Friday	09/27/02	2:00 PM	0	4265795.188	68.3
27-Sep	16	66.4	53.6	84.6	75.4	68.8	65.9	64.4	60.1	57.1		Friday	09/27/02	3:00 PM	0	4365158.322	68.3
27-Sep	17	66.2	54.4	88.1	74.6	68.6	65.9	64.4	59.9	57.0		Friday	09/27/02	4:00 PM	0	4168693.835	68.3
27-Sep	18	66.9	54.9	83.1	75.5	69.6	66.8	65.2	59.4	56.7		Friday	09/27/02	5:00 PM	0	4897788.194	68.3
27-Sep	19	66	53.9	84.5	73.8	68.7	66.2	64.7	58.4	55.3		Friday	09/27/02	6:00 PM	0	3981071.706	68.3
27-Sep	20	65.9	52.3	86.3	73.7	68.3	65.5	64	58.2	54.7		Friday	09/27/02	7:00 PM	0	3890451.45	68.3
27-Sep	21	64.4	51.4	77.9	72.1	67.6	64.6	62.8	56.3	54.0		Friday	09/27/02	8:00 PM	0	2754228.703	68.3
27-Sep	22	64.7	51.4	80.6	73.5	67.9	64.4	62.4	56.2	53.2		Friday	09/27/02	9:00 PM	0	2951209.227	68.3
27-Sep	23	63.9	50.3	81.3	71.9	67.2	63.9	61.7	54.8	51.8		Friday	09/27/02	10:00 PM	10	24547089.16	68.3
27-Sep	24	63.4	49.3	84.4	71.2	66.8	63.2	60.9	53.4	50.6		Friday	09/27/02	11:00 PM	10	21877616.24	68.3
28-Sep	1	61.4	48.4	74.1	69.1	65.6	61.1	58	51.3	49.5		Saturday	09/28/02	12:00 AM	10	13803842.65	68.3
28-Sep	2	60	48.1	76.9	68.9	64.1	58.9	55.4	50.1	49.0		Saturday	09/28/02	1:00 AM	10	10000000	68.3
28-Sep	3	59.5	47.7	78.7	69.6	63.4	56.9	53.3	49.3	48.3		Saturday	09/28/02	2:00 AM	10	8912509.381	68.3
28-Sep	4	57.6	47.4	78.6	68.1	61.4	53.5	50.8	48.7	48.1		Saturday	09/28/02	3:00 AM	10	5754399.373	68.3
28-Sep	5	57.2	47.5	77.4	69.1	60.3	51.8	50.6	49.1	48.1		Saturday	09/28/02	4:00 AM	10	5248074.602	68.3
28-Sep	6	57.9	48.3	77	68.4	61.4	54.1	52.6	50.3	49.2		Saturday	09/28/02	5:00 AM	10	6165950.019	68.3
28-Sep	7	61.1	50.3	77.8	71.3	64.6	58.7	56	52.5	51.2		Saturday	09/28/02	6:00 AM	10	12882495.52	68.3
28-Sep	8	62.6	51.4	78.7	71.1	66.1	62.1	59.9	54.5	52.9		Saturday	09/28/02	7:00 AM	0	1819700.859	68.3
28-Sep	9	63.9	51.1	84.6	71.8	67	63.5	61.2	55.1	52.6		Saturday	09/28/02	8:00 AM	0	2454708.916	68.3
28-Sep	10	64.4	51.8	80.6	72.4	67.5	64.4	62.3	56.8	54.3		Saturday	09/28/02	9:00 AM	0	2754228.703	68.3
28-Sep	11	64.9	51.6	83	73.3	67.5	64.9	63	56.7	53.5		Saturday	09/28/02	10:00 AM	0	3090295.433	68.3
28-Sep	12	64.8	51.9	81.2	73.3	67.7	64.9	62.8	56.8	53.8		Saturday	09/28/02	11:00 AM	0	3019951.72	68.3
28-Sep	13	64.8	52.5	81.8	72.9	67.8	64.9	63	56.9	54.4		Saturday	09/28/02	12:00 PM	0	3019951.72	68.3
28-Sep	14	66.4	51.2	89.9	75.1	68.7	65.8	64.4	58.5	54.9		Saturday	09/28/02	1:00 PM	0	4365158.322	68.3
28-Sep	15	65.3	52.6	84.2	73.3	67.9	65.4	63.7	57.9	54.4		Saturday	09/28/02	2:00 PM	0	3388441.561	68.3
28-Sep	16	65.1	51.4	83.6	72.9	67.8	65.3	63.8	57.3	54.0		Saturday	09/28/02	3:00 PM	0	3235936.569	68.3
28-Sep	17	66.6	51	88	74.6	68.7	66.1	64.8	58.9	54.3		Saturday	09/28/02	4:00 PM	0	4570881.896	68.3
28-Sep	18	68.6	52.9	80.6	74.9	72	68.9	67.2	60.5	56.0		Saturday	09/28/02	5:00 PM	0	7244359.601	68.3
28-Sep	19	65.6	50.9	83.7	72.7	68.4	65.9	64.4	58.1	53.4		Saturday	09/28/02	6:00 PM	0	3630780.548	68.3

Location B

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
28-Sep	20	66.2	49.8	95.4	72.3	67.6	64.9	63.4	57.9	54.7		Saturday	09/28/02	7:00 PM	0	4168693.835	68.3
28-Sep	21	64.4	51.8	80.1	71.9	67.8	64.8	62.6	55.8	53.1		Saturday	09/28/02	8:00 PM	0	2754228.703	68.3
28-Sep	22	65.4	38.2	78.9	73.5	69	65.3	63.1	55.3	50.4		Saturday	09/28/02	9:00 PM	0	3467368.505	68.3
28-Sep	23	57.3	42.2	78.6	65.3	61.2	57	54.3	47.4	44.0		Saturday	09/28/02	10:00 PM	10	5370317.964	68.3
28-Sep	24	66.2	55.9	90.9	79.2	67.7	58.3	53.7	53.2	49.9		Saturday	09/28/02	11:00 PM	10	41686938.35	68.3
29-Sep	1	60.2	54.7	88.5	73.4	66.7	59.8	57.9	55.4	54.7		Sunday	09/29/02	12:00 AM	10	10471285.48	63.3
29-Sep	2	54.8	54.4	68.5	57	55.1	54.8	54.6	54.4	54.1		Sunday	09/29/02	1:00 AM	10	3019951.72	63.3
29-Sep	3	54.8	54.4	72.9	56.7	55	54.7	54.5	54.4	52.8		Sunday	09/29/02	2:00 AM	10	3019951.72	63.3
29-Sep	4	54.7	54.3	69.7	56.8	55	54.7	54.5	54.3	52.0		Sunday	09/29/02	3:00 AM	10	2951209.227	63.3
29-Sep	5	54.8	54.4	65.3	58.6	55	54.7	54.6	54.4	52.4		Sunday	09/29/02	4:00 AM	10	3019951.72	63.3
29-Sep	6	55.4	54.4	66.4	61.6	56	55	54.7	54.4	52.4		Sunday	09/29/02	5:00 AM	10	3467368.505	63.3
29-Sep	7	56.5	54.5	73.9	63.5	57.7	55.9	55.5	54.5	52.5		Sunday	09/29/02	6:00 AM	10	4466835.922	63.3
29-Sep	8	57.8	54.7	71	65.5	60	56.9	56.2	55.2	53.1		Sunday	09/29/02	7:00 AM	0	602559.5861	63.3
29-Sep	9	58.7	54.7	78.1	66.8	60.7	57.8	56.9	55.4	53.2		Sunday	09/29/02	8:00 AM	0	741310.2413	63.3
29-Sep	10	58.5	55	70	65.2	60.6	58.1	57.3	55.7	53.8		Sunday	09/29/02	9:00 AM	0	707945.7844	63.3
29-Sep	11	60.2	55.2	78.9	68.5	62.5	59.6	58.3	56.1	53.9		Sunday	09/29/02	10:00 AM	0	1047128.548	63.3
29-Sep	12	60.1	55.6	81.2	68	62.1	59.4	58.4	56.6	54.5		Sunday	09/29/02	11:00 AM	0	1023292.992	63.3
29-Sep	13	60.2	55.3	74.2	67.9	62.7	59.6	58.5	56.6	54.0		Sunday	09/29/02	12:00 PM	0	1047128.548	63.3
29-Sep	14	60.2	55.5	74.1	68.4	62.5	59.5	58.6	56.8	54.1		Sunday	09/29/02	1:00 PM	0	1047128.548	63.3
29-Sep	15	59.8	55.4	77.3	67.3	62.1	59.1	58.1	56.4	53.9		Sunday	09/29/02	2:00 PM	0	954992.586	63.3
29-Sep	16	59.3	55.2	78.8	67.3	61.1	58.6	57.7	56.2	53.9		Sunday	09/29/02	3:00 PM	0	851138.0382	63.3
29-Sep	17	59.3	55.3	71.4	66.6	61.6	58.7	57.8	56.3	53.8		Sunday	09/29/02	4:00 PM	0	851138.0382	63.3
29-Sep	18	59.4	55.3	73.7	66.8	61.8	58.7	57.7	56.2	53.1		Sunday	09/29/02	5:00 PM	0	870963.59	63.3
29-Sep	19	59.2	55.1	74.1	67.5	61.3	58.5	57.5	56.1	53.7		Sunday	09/29/02	6:00 PM	0	831763.7711	63.3
29-Sep	20	58.8	54.9	76.7	67.3	60.1	57.6	56.8	55.4	53.9		Sunday	09/29/02	7:00 PM	0	758577.575	63.3
29-Sep	21	57.4	54.7	74.3	65.5	58.7	56.6	56	55.1	52.8		Sunday	09/29/02	8:00 PM	0	549540.8739	63.3
29-Sep	22	58.7	54.7	82	67.6	59.1	56.6	55.9	55.1	53.9		Sunday	09/29/02	9:00 PM	0	741310.2413	63.3
29-Sep	23	56.4	54.6	74.2	63.7	57.1	55.8	55.5	54.6	52.1		Sunday	09/29/02	10:00 PM	10	4365158.322	63.3
29-Sep	24	55.5	54.5	67.9	59.8	56.3	55.6	55.2	54.5	52.5		Sunday	09/29/02	11:00 PM	10	3548133.892	63.3
30-Sep	1	53.2	54.5	67.9	63.4	57.8	55.9	55.3	53.7	51.8		Monday	09/30/02	12:00 AM	10	2089296.131	67.1
30-Sep	2	54.2	54.1	67.7	68.1	62.2	55.8	52.5	52.1	49.1		Monday	09/30/02	1:00 AM	10	2630267.992	67.1
30-Sep	3	55.8	49.7	70.6	66.8	60.1	56	55.5	54.1	49.1		Monday	09/30/02	2:00 AM	10	3801893.963	67.1
30-Sep	4	55.6	48	71.4	66.9	58.7	51.3	50.2	49.1	48.2		Monday	09/30/02	3:00 AM	10	3630780.548	67.1
30-Sep	5	56.1	48.2	76	67	58.2	51.6	50.7	49.4	49.0		Monday	09/30/02	4:00 AM	10	4073802.778	67.1
30-Sep	6	60.1	48.3	72	70.4	63.8	56.7	53.3	49.9	49.1		Monday	09/30/02	5:00 AM	10	10232929.92	67.1
30-Sep	7	63.5	48.9	83.3	73.6	66.6	61.6	58.8	52.7	50.6		Monday	09/30/02	6:00 AM	10	22387211.39	67.1
30-Sep	8	65.6	52	82.9	75.3	68.5	64.7	62.5	56.9	53.7		Monday	09/30/02	7:00 AM	0	3630780.548	67.1
30-Sep	9	66.3	54.6	82.7	75.9	69.2	65.3	63.2	57.8	56.0		Monday	09/30/02	8:00 AM	0	4265795.188	67.1
30-Sep	10	65.4	40.5	74.8	67	63.1	59.9	57.6	48.3	43.7		Monday	09/30/02	9:00 AM	0	3467368.505	67.1
30-Sep	11	65.6	42.2	76.3	66.9	63.3	60.4	58.2	49.3	44.1		Monday	09/30/02	10:00 AM	0	3630780.548	67.1
30-Sep	12	64.9	41.1	74.7	67.2	62.5	59.7	57.6	48.5	43.7		Monday	09/30/02	11:00 AM	0	3090295.433	67.1
30-Sep	13	63.6	43.1	78	67.7	62.7	59.9	58	50.3	45.5		Monday	09/30/02	12:00 PM	0	2290867.653	67.1
30-Sep	14	65.5	44.1	88.2	68.6	63.3	60.5	58.7	50.8	46.2		Monday	09/30/02	1:00 PM	0	3548133.892	67.1
30-Sep	15	66.7	43.3	77.4	68.2	63.5	60.4	58.3	49.8	45.7		Monday	09/30/02	2:00 PM	0	4677351.413	67.1
30-Sep	16	65.3	43.9	77.5	68.3	63.6	60.4	58.3	50.3	46.0		Monday	09/30/02	3:00 PM	0	3388441.561	67.1
30-Sep	17	66.9	42.2	76.2	67.2	63.3	60.2	58.2	49.1	45.3		Monday	09/30/02	4:00 PM	0	4897788.194	67.1
30-Sep	18	68.5	42.3	75.2	67	63.3	60.2	58.2	49.7	44.9		Monday	09/30/02	5:00 PM	0	7079457.844	67.1
30-Sep	19	64	43.4	79.3	68.4	63.9	60.9	58.9	51.3	47.0		Monday	09/30/02	6:00 PM	0	2511886.432	67.1
30-Sep	20	66.1	45.6	77.6	67.2	63.5	61	59.3	52.9	47.7		Monday	09/30/02	7:00 PM	0	4073802.778	67.1
30-Sep	21	64.9	47.6	83.4	66.8	63.3	60.5	58.5	51.7	49.1		Monday	09/30/02	8:00 PM	0	3090295.433	67.1
30-Sep	22	64.1	49	74.7	66	62.5	59.4	57.4	52.6	50.5		Monday	09/30/02	9:00 PM	0	2570395.783	67.1
30-Sep	23	57.6	47.1	76.2	67.1	62	57.6	54.8	49.4	48.1		Monday	09/30/02	10:00 PM	10	5754399.373	67.1
30-Sep	24	61.1	46.8	72.4	65.2	60.3	55.5	52.8	49.1	47.8		Monday	09/30/02	11:00 PM	10	12882495.52	67.1
1-Oct	1	60.4	47.4	71.2	69.1	65.6	61.1	58	51.3	49.5		Tuesday	10/01/02	12:00 AM	10	10964781.96	67.6

Location B

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
1-Oct	2	60	48.1	73.9	68.9	64.1	58.9	55.4	50.1	49.0		Tuesday	10/01/02	1:00 AM	10	10000000	67.6
1-Oct	3	59.5	47.7	77.7	69.6	63.4	56.9	53.3	49.3	48.3		Tuesday	10/01/02	2:00 AM	10	8912509.381	67.6
1-Oct	4	57.6	47.4	77.5	68.1	61.4	53.5	49.8	48.5	48.2		Tuesday	10/01/02	3:00 AM	10	5754399.373	67.6
1-Oct	5	57.3	47.5	77.4	69.1	60.3	51.8	50.6	49.1	48.3		Tuesday	10/01/02	4:00 AM	10	5370317.964	67.6
1-Oct	6	57.9	48.3	77	68.4	61.9	54.1	52.6	50.3	48.7		Tuesday	10/01/02	5:00 AM	10	6165950.019	67.6
1-Oct	7	61	50.3	77.8	71.3	63.6	58.7	56	52.5	51.2		Tuesday	10/01/02	6:00 AM	10	12589254.12	67.6
1-Oct	8	63.6	52.4	79.6	72.1	66.5	62.5	60.1	54.8	53.1		Tuesday	10/01/02	7:00 AM	0	2290867.653	67.6
1-Oct	9	63.5	51.1	84.6	71.8	67	63.5	61.2	55.1	52.6		Tuesday	10/01/02	8:00 AM	0	2238721.139	67.6
1-Oct	10	64.4	52	80.6	72.4	67.5	64.4	62.3	56.9	54.3		Tuesday	10/01/02	9:00 AM	0	2754228.703	67.6
1-Oct	11	65	51.6	83	73.3	67.5	64.9	63	56.7	53.6		Tuesday	10/01/02	10:00 AM	0	3162277.66	67.6
1-Oct	12	64.8	51.9	81.2	73.3	67.7	64.8	62.8	56.4	53.8		Tuesday	10/01/02	11:00 AM	0	3019951.72	67.6
1-Oct	13	63.6	52.5	81.8	72.9	67.8	64.5	63	56.9	54.4		Tuesday	10/01/02	12:00 PM	0	2290867.653	67.6
1-Oct	14	65.4	51.2	89.9	75.1	68.7	65.8	64.3	58.1	54.9		Tuesday	10/01/02	1:00 PM	0	3467368.505	67.6
1-Oct	15	66.8	54.1	84.8	74.3	68.5	65.5	64.1	58.7	54.6		Tuesday	10/01/02	2:00 PM	0	4786300.923	67.6
1-Oct	16	65.3	51.4	83.6	72.9	67.8	65.3	63.8	57.3	54.0		Tuesday	10/01/02	3:00 PM	0	3388441.561	67.6
1-Oct	17	66.7	51	88	74.6	68.7	66.1	64.8	58.9	54.2		Tuesday	10/01/02	4:00 PM	0	4677351.413	67.6
1-Oct	18	68.6	52.9	80.6	74.9	72	68.9	67.2	60.5	56.0		Tuesday	10/01/02	5:00 PM	0	7244359.601	67.6
1-Oct	19	65	50.9	83.7	72.7	68.4	65.9	64.4	58.1	53.4		Tuesday	10/01/02	6:00 PM	0	3162277.66	67.6
1-Oct	20	66.2	49.8	95.4	72.3	67.6	64.9	63.4	57.9	54.7		Tuesday	10/01/02	7:00 PM	0	4168693.835	67.6
1-Oct	21	64.4	51.8	80.1	71.9	67.8	64.8	62.6	55.8	53.1		Tuesday	10/01/02	8:00 PM	0	2754228.703	67.6
1-Oct	22	64.2	38.2	78.9	73.5	69	65.3	63.1	55.3	50.4		Tuesday	10/01/02	9:00 PM	0	2630267.992	67.6
1-Oct	23	57.2	42.2	78.6	65.3	61.2	57	54.3	47.4	44.1		Tuesday	10/01/02	10:00 PM	10	5248074.602	67.6
1-Oct	24	63.1	45.9	89.9	79.2	67.7	58.3	53.7	51.2	49.9		Tuesday	10/01/02	11:00 PM	10	20417379.45	67.6
2-Oct	1	61.4	46.3	80.4	64.8	60.7	55.7	53	49.2	47.3		Wednesday	10/02/02	12:00 AM	10	13803842.65	68.0
2-Oct	2	59.5	45.3	72.8	65.5	59.6	52.8	50.4	47.7	46.3		Wednesday	10/02/02	1:00 AM	10	8912509.381	68.0
2-Oct	3	59.5	42.6	72.6	63.5	56.8	52.1	50.6	46.8	44.6		Wednesday	10/02/02	2:00 AM	10	8912509.381	68.0
2-Oct	4	56.7	41.5	69.9	63.2	55.7	52.4	51.3	48.1	46.1		Wednesday	10/02/02	3:00 AM	10	4677351.413	68.0
2-Oct	5	57.2	40.5	73.2	63	53.5	47.2	45.5	42.8	41.7		Wednesday	10/02/02	4:00 AM	10	5248074.602	68.0
2-Oct	6	60	40.3	69.9	62.8	54.5	47	45	42.2	41.1		Wednesday	10/02/02	5:00 AM	10	10000000	68.0
2-Oct	7	61	40.4	69.7	63.8	58.7	52.2	49.6	44.6	42.1		Wednesday	10/02/02	6:00 AM	10	12589254.12	68.0
2-Oct	8	62.6	43.9	74.2	66.1	61.8	56.5	53.1	48	45.6		Wednesday	10/02/02	7:00 AM	0	1819700.859	68.0
2-Oct	9	64.1	41.5	73.3	66.9	62.8	59	56.2	47.9	44.5		Wednesday	10/02/02	8:00 AM	0	2570395.783	68.0
2-Oct	10	64.5	54.3	70	67.3	62.1	58.5	55.8	51.2	50.1		Wednesday	10/02/02	9:00 AM	0	2818382.931	68.0
2-Oct	11	64.8	53.8	78.9	71.1	64.5	60.2	57.1	56.6	55.0		Wednesday	10/02/02	10:00 AM	0	3019951.72	68.0
2-Oct	12	64.8	54.1	81.2	75.3	68.1	65.3	63.7	60	57.6		Wednesday	10/02/02	11:00 AM	0	3019951.72	68.0
2-Oct	13	64.8	56.4	74.2	75.1	68.8	65.5	64	59.6	56.0		Wednesday	10/02/02	12:00 PM	0	3019951.72	68.0
2-Oct	14	66.9	53.8	74.1	76.2	68.7	65.6	63.8	59.3	56.1		Wednesday	10/02/02	1:00 PM	0	4897788.194	68.0
2-Oct	15	64.8	53.9	77.1	75.4	68.8	65.9	64.4	60.1	57.1		Wednesday	10/02/02	2:00 PM	0	3019951.72	68.0
2-Oct	16	65.1	53.6	78.8	74.6	68.6	65.9	64.4	59.9	57.0		Wednesday	10/02/02	3:00 PM	0	3235936.569	68.0
2-Oct	17	66.7	54.4	71.4	75.9	69.6	66.8	65.2	59.5	56.7		Wednesday	10/02/02	4:00 PM	0	4677351.413	68.0
2-Oct	18	65.1	54.9	76.3	73.8	68.7	66.2	64.7	58.4	55.3		Wednesday	10/02/02	5:00 PM	0	3235936.569	68.0
2-Oct	19	65.6	53.9	67.7	73.7	68.3	65.5	64	58.2	54.7		Wednesday	10/02/02	6:00 PM	0	3630780.548	68.0
2-Oct	20	66.6	52.3	76.7	72.1	67.6	64.6	62.8	56.3	54.0		Wednesday	10/02/02	7:00 PM	0	4570881.896	68.0
2-Oct	21	64.4	51.4	74.3	73.5	67.9	64.4	62.4	56.2	53.2		Wednesday	10/02/02	8:00 PM	0	2754228.703	68.0
2-Oct	22	65.4	51.4	81.5	71.9	67.2	63.7	61.7	54.8	51.8		Wednesday	10/02/02	9:00 PM	0	3467368.505	68.0
2-Oct	23	57.3	50.5	74.2	71.2	66.8	63.2	60.9	53.4	50.6		Wednesday	10/02/02	10:00 PM	10	5370317.964	68.0
2-Oct	24	65.2	49.3	67.9	69.1	65.6	61.4	58	51.3	49.5		Wednesday	10/02/02	11:00 PM	10	33113112.15	68.0
3-Oct	1	60.3	48.4	70.9	67.7	63.1	57.5	54.3	49.1	48.0		Thursday	10/03/02	12:00 AM	10	10715193.05	68.6
3-Oct	2	59.3	48.1	76.3	69.6	63.5	56.9	53.3	49.3	48.3		Thursday	10/03/02	1:00 AM	10	8511380.382	68.6
3-Oct	3	59.5	47.7	71.1	68.1	61.4	53.5	50.2	48.7	48.1		Thursday	10/03/02	2:00 AM	10	8912509.381	68.6
3-Oct	4	56.7	47.4	70.4	69.7	60.3	51.8	50.6	49.1	48.1		Thursday	10/03/02	3:00 AM	10	4677351.413	68.6
3-Oct	5	57.2	47.5	69.9	68.4	61.4	54.1	52	50.3	49.2		Thursday	10/03/02	4:00 AM	10	5248074.602	68.6
3-Oct	6	60.4	49.4	72	71.3	64.4	58.7	56	52.5	51.2		Thursday	10/03/02	5:00 AM	10	10964781.96	68.6
3-Oct	7	60.8	50.3	83.3	71.1	65.1	62.1	59.9	54.5	52.9		Thursday	10/03/02	6:00 AM	10	12022644.35	68.6

Location B

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
3-Oct	8	62.6	51.4	82.9	71.7	67	63.5	61.2	55.1	52.6		Thursday	10/03/02	7:00 AM	0	1819700.859	68.6
3-Oct	9	64.1	51.1	82.7	72.4	67.5	64.4	62.3	56.8	54.8		Thursday	10/03/02	8:00 AM	0	2570395.783	68.6
3-Oct	10	64.3	51.8	74.8	71.1	68.5	64.7	62.6	58.1	55.5		Thursday	10/03/02	9:00 AM	0	2691534.804	68.6
	11	65.4											estimated	10:00 AM	0	3467368.505	68.6
	12	65.1											estimated	11:00 AM	0	3235936.569	68.6
	13	65.4											estimated	12:00 PM	0	3467368.505	68.6
26-Sep	14	74.6	51.5	100.5	84.2	76	69.6	66.3	59.2	53.1		Thursday	09/26/02	1:00 PM	0	28840315.03	68.6
26-Sep	15	65.9	56.2	87.2	74.7	68.2	65.4	63.8	60.6	58.4		Thursday	09/26/02	2:00 PM	0	3890451.45	68.6
26-Sep	16	66.4	57	86.6	75	68.7	65.8	64.4	61.1	58.8		Thursday	09/26/02	3:00 PM	0	4365158.322	68.6
26-Sep	17	66	56	81.5	74.4	68.4	65.6	64.3	61.1	58.1		Thursday	09/26/02	4:00 PM	0	3981071.706	68.6
26-Sep	18	68.4	55.4	101	74.3	68.5	65.3	63.8	59.6	57.1		Thursday	09/26/02	5:00 PM	0	6918309.709	68.6
26-Sep	19	64.9	53.6	82.6	74.4	67.3	64.3	62.6	58	55.5		Thursday	09/26/02	6:00 PM	0	3090295.433	68.6
26-Sep	20	64.4	52.4	82.4	73.3	67	64.1	62.3	56.9	54.1		Thursday	09/26/02	7:00 PM	0	2754228.703	68.6
26-Sep	21	63.8	51.6	82.9	72.2	66.8	63.6	61.4	55.3	52.8		Thursday	09/26/02	8:00 PM	0	2398832.919	68.6
26-Sep	22	63.4	51.8	80.5	71.9	66.8	63.3	60.9	55.2	53.0		Thursday	09/26/02	9:00 PM	0	2187761.624	68.6
26-Sep	23	63.9	50.2	88.4	71.7	66.8	63	60.5	53.6	51.2		Thursday	09/26/02	10:00 PM	10	24547089.16	68.6
26-Sep	24	61.5	49	80.8	69.5	65	61	57.9	51.3	49.8		Thursday	09/26/02	11:00 PM	10	14125375.45	68.6
																Overall Ldn:	67.6

Location B

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
20-Sep	15	62.6	57	82.1	69.1	64.4	62.1	61.1	59	57.4		Friday	09/20/02	2:00 PM	0	1819700.859	66.1
20-Sep	16	62.3	55	82.7	71	64.7	61.4	60.2	57.6	56.1		Friday	09/20/02	3:00 PM	0	1698243.652	66.1
20-Sep	17	62.2	54.3	81	70.2	64.3	61.6	60.5	57.7	56		Friday	09/20/02	4:00 PM	0	1659586.907	66.1
20-Sep	18	62.2	54.4	79	70.7	64.1	61.5	60.6	58.1	56		Friday	09/20/02	5:00 PM	0	1659586.907	66.1
20-Sep	19	61.7	54.1	89.5	69.2	63.5	61.1	60.1	57.5	55.5		Friday	09/20/02	6:00 PM	0	1479108.388	66.1
20-Sep	20	63	53.5	89.9	70.9	63.5	60.6	59.6	56.3	54.4		Friday	09/20/02	7:00 PM	0	1995262.315	66.1
20-Sep	21	65.9	52.8	88.4	79.3	63.5	60	59	54.9	53.5		Friday	09/20/02	8:00 PM	0	3890451.45	66.1
20-Sep	22	59.9	52.5	79.7	67.7	62	59.6	58.6	54.8	53.3		Friday	09/20/02	9:00 PM	0	977237.221	66.1
20-Sep	23	58.9	51.6	77.5	65.6	60.6	58.8	58	53.9	52.5		Friday	09/20/02	10:00 PM	10	7762471.166	66.1
20-Sep	24	59.4	51.8	75.2	67.8	61.8	58.8	58	53.2	52.1		Friday	09/20/02	11:00 PM	10	8709635.9	66.1
21-Sep	1	57.4	51.4	70.4	63.5	59.2	57.8	57.3	52.8	52.1		Saturday	09/21/02	12:00 AM	10	5495408.739	68.3
21-Sep	2	57.7	51.5	74.5	63.5	59.5	57.9	57.5	52.9	52.1		Saturday	09/21/02	1:00 AM	10	5888436.554	68.3
21-Sep	3	60	51.5	96.1	64	58.7	57.7	57.4	52.6	52		Saturday	09/21/02	2:00 AM	10	10000000	68.3
21-Sep	4	56.8	51.5	67.2	61	58	57.6	57.3	52.5	52		Saturday	09/21/02	3:00 AM	10	4786300.923	68.3
21-Sep	5	57.3	51.8	75.3	60.9	58.7	57.8	57.4	53.3	52.2		Saturday	09/21/02	4:00 AM	10	5370317.964	68.3
21-Sep	6	59	51.8	78.1	66.8	59.9	58.2	57.6	53.4	52.1		Saturday	09/21/02	5:00 AM	10	7943282.347	68.3
21-Sep	7	64.8	52.8	96.3	73.7	63.9	60.1	59.3	56.5	54.2		Saturday	09/21/02	6:00 AM	10	30199517.2	68.3
21-Sep	8	68.7	56	92.6	81.1	65.5	62.4	61.5	59.6	57.5		Saturday	09/21/02	7:00 AM	0	7413102.413	68.3
21-Sep	9	66.8	56.9	103.3	74.6	66.2	63.4	62.5	60.2	58.1		Saturday	09/21/02	8:00 AM	0	4786300.923	68.3
21-Sep	10	62	55	77.7	69.4	64	61.5	60.7	58.5	56.5		Saturday	09/21/02	9:00 AM	0	1584893.192	68.3
21-Sep	11	63.6	54.3	88.3	72.4	66.5	62.5	61	58.3	55.8		Saturday	09/21/02	10:00 AM	0	2290867.653	68.3
21-Sep	12	61.6	54.5	76.6	69.3	63.7	61.1	60.2	57.9	55.8		Saturday	09/21/02	11:00 AM	0	1445439.771	68.3
21-Sep	13	61.5	51.4	76.1	69.1	63.9	61.2	60.2	57.5	54.6		Saturday	09/21/02	12:00 PM	0	1412537.545	68.3
21-Sep	14	70.5	51.2	97.1	77.6	75.3	67.5	66.5	58.8	53.3		Saturday	09/21/02	1:00 PM	0	11220184.54	68.3
21-Sep	15	61.6	51.1	89	69.7	64.3	60.7	59.6	53.9	51.3		Saturday	09/21/02	2:00 PM	0	1445439.771	68.3
21-Sep	16	62.3	51.1	90.6	70	63.3	60.6	59.6	53	51.3		Saturday	09/21/02	3:00 PM	0	1698243.652	68.3
21-Sep	17	63.1	51	91.8	70.5	63.4	60.5	59.4	54.6	51.5		Saturday	09/21/02	4:00 PM	0	2041737.945	68.3
21-Sep	18	61.2	51.1	80.6	69.3	63.5	60.6	59.6	56.9	53.2		Saturday	09/21/02	5:00 PM	0	1318256.739	68.3
21-Sep	19	67.2	54.8	89.3	76.8	69.1	65.9	64.8	61.2	57.8		Saturday	09/21/02	6:00 PM	0	5248074.602	68.3
21-Sep	20	62.3	53.7	78.2	69.1	65.6	62.1	60.3	56.7	54.8		Saturday	09/21/02	7:00 PM	0	1698243.652	68.3
21-Sep	21	60.2	53.7	81.7	66.3	62.1	59.9	59.1	56	54.4		Saturday	09/21/02	8:00 PM	0	1047128.548	68.3
21-Sep	22	59.1	53.3	73.3	65.3	61.2	59.2	58.5	55.5	54.2		Saturday	09/21/02	9:00 PM	0	812830.5162	68.3
21-Sep	23	65.7	53	99	70.2	62.3	59.6	58.5	55.1	54.1		Saturday	09/21/02	10:00 PM	10	37153522.91	68.3
21-Sep	24	60.6	53	79.6	68.1	63.3	59.8	58.7	55.1	54.1		Saturday	09/21/02	11:00 PM	10	11481536.21	68.3
22-Sep	1	60.9	52.4	88.1	69.3	61.3	59	58.3	54.3	53.2		Sunday	09/22/02	12:00 AM	10	12302687.71	67.8
22-Sep	2	57.8	52.4	73.6	65	59.9	58.1	56.5	53.5	53		Sunday	09/22/02	1:00 AM	10	6025595.861	67.8
22-Sep	3	58.5	51.9	79.3	67.3	60.2	57.8	57	53.2	52.1		Sunday	09/22/02	2:00 AM	10	7079457.844	67.8
22-Sep	4	60.9	51.8	88.2	69.7	58.7	57.4	56.7	52.9	52.1		Sunday	09/22/02	3:00 AM	10	12302687.71	67.8
22-Sep	5	58.1	52.7	67.2	62.3	59.8	58.6	58	54.9	53.5		Sunday	09/22/02	4:00 AM	10	6456542.29	67.8
22-Sep	6	60.8	53.9	87.6	68.1	61.3	59.4	58.7	56.5	54.6		Sunday	09/22/02	5:00 AM	10	12022644.35	67.8
22-Sep	7	63.4	56.2	88.8	71.2	64	61.9	61.1	59.1	57.4		Sunday	09/22/02	6:00 AM	10	21877616.24	67.8
22-Sep	8	62.2	54.8	83.3	69.6	63.5	61.7	61	58.7	56.1		Sunday	09/22/02	7:00 AM	0	1659586.907	67.8
22-Sep	9	65	52.9	99.5	69.1	63.2	60.7	59.7	57	54.3		Sunday	09/22/02	8:00 AM	0	3162277.66	67.8
22-Sep	10	61.6	52.3	88.6	69	62.2	59.6	58.6	55.5	53.6		Sunday	09/22/02	9:00 AM	0	1445439.771	67.8
22-Sep	11	59.4	52.3	76.7	66.7	61.5	59.1	58.3	55.2	53.3		Sunday	09/22/02	10:00 AM	0	870963.59	67.8
22-Sep	12	60	52.5	76.3	67.7	62.5	59.6	58.5	55.3	53.5		Sunday	09/22/02	11:00 AM	0	1000000	67.8
22-Sep	13	69.9	51	97.7	77.3	62.7	59.7	58.4	54.4	51.6		Sunday	09/22/02	12:00 PM	0	9772372.21	67.8
22-Sep	14	59	51.1	81.1	68	60.8	58.1	56.9	52.1	51.1		Sunday	09/22/02	1:00 PM	0	794328.2347	67.8
22-Sep	15	58.4	51.2	74.9	68	61.1	58	55.1	51.7	51.2		Sunday	09/22/02	2:00 PM	0	691830.9709	67.8
22-Sep	16	66.3	50.7	105.1	67.5	61	58.1	54.4	51.7	51.1		Sunday	09/22/02	3:00 PM	0	4265795.188	67.8
22-Sep	17	61.1	51.1	87.5	69.6	62.6	59.3	57.7	52.1	51.1		Sunday	09/22/02	4:00 PM	0	1288249.552	67.8
22-Sep	18	62.4	51	91.1	71.4	64.7	61.1	59.5	54.4	51.6		Sunday	09/22/02	5:00 PM	0	1737800.829	67.8
22-Sep	19	68.6	51.4	96.9	79.1	66.6	62.8	61.2	57.1	53.5		Sunday	09/22/02	6:00 PM	0	7244359.601	67.8

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
22-Sep	20	62.9	53.5	82.1	68.7	64.9	63.3	62.2	57.1	54.9		Sunday	09/22/02	7:00 PM	0	1949844.6	67.8
22-Sep	21	70.5	53.1	108	66	61.3	59.4	58.5	55.1	54.1		Sunday	09/22/02	8:00 PM	0	11220184.54	67.8
22-Sep	22	59.1	53.1	76.5	66.9	60.9	58.9	58.1	54.7	53.6		Sunday	09/22/02	9:00 PM	0	812830.5162	67.8
22-Sep	23	58.1	52.6	74	63.6	60	58.6	57.7	54.4	53.4		Sunday	09/22/02	10:00 PM	10	6456542.29	67.8
22-Sep	24	60.7	52.9	81.7	68.2	62.6	59.7	58.5	55	53.4		Sunday	09/22/02	11:00 PM	10	11748975.55	67.8
23-Sep	1	58.5	52.7	74.6	65.8	60.5	58.6	57.8	54.1	53.1		Monday	09/23/02	12:00 AM	10	7079457.844	66.1
23-Sep	2	57.2	52.6	74.1	62.7	59	57.8	56.5	53.9	53.1		Monday	09/23/02	1:00 AM	10	5248074.602	66.1
23-Sep	3	59.2	52.3	78.3	68.8	60.9	58.4	57.2	53.5	52.9		Monday	09/23/02	2:00 AM	10	8317637.711	66.1
23-Sep	4	57.9	52.7	70.6	64.6	59.8	58.5	57.2	54.4	53.3		Monday	09/23/02	3:00 AM	10	6165950.019	66.1
23-Sep	5	58	53.2	67.2	62.2	59.9	58.6	57.5	55.1	54		Monday	09/23/02	4:00 AM	10	6309573.445	66.1
23-Sep	6	57.4	53	71.3	62.9	59.3	57.7	56.8	54.5	53.6		Monday	09/23/02	5:00 AM	10	5495408.739	66.1
23-Sep	7	59.3	54	81.2	64.9	60.8	59.3	58.6	56.1	54.7		Monday	09/23/02	6:00 AM	10	8511380.382	66.1
23-Sep	8	59.8	54.3	79.9	66.1	61.1	59.7	59.1	56.9	55.3		Monday	09/23/02	7:00 AM	0	954992.586	66.1
23-Sep	9	63.9	52.7	102.8	66.7	62.8	60.1	59.1	55.5	53.8		Monday	09/23/02	8:00 AM	0	2454708.916	66.1
23-Sep	10	62.5	52.1	80.7	68.8	65.6	62.9	61.2	56.5	53.8		Monday	09/23/02	9:00 AM	0	1778279.41	66.1
23-Sep	11	60.8	51.4	73.7	67.9	64.3	61	58.5	54	52.6		Monday	09/23/02	10:00 AM	0	1202264.435	66.1
23-Sep	12	63.2	51.4	93.3	70.4	65.8	62.4	59.7	55.1	53.1		Monday	09/23/02	11:00 AM	0	2089296.131	66.1
23-Sep	13	58	51.1	80.8	65.8	60.2	57.5	56.2	52.4	51.2		Monday	09/23/02	12:00 PM	0	630957.3445	66.1
23-Sep	14	56.4	50.3	78.7	65.7	59.6	54.9	53.2	51.5	51		Monday	09/23/02	1:00 PM	0	436515.8322	66.1
23-Sep	15	60.1	46	85.7	66.1	62.4	60.6	60	52	51.1		Monday	09/23/02	2:00 PM	0	1023292.992	66.1
23-Sep	16	60.9	51.3	81.3	68.1	63.4	60.7	59.9	52.4	51.3		Monday	09/23/02	3:00 PM	0	1230268.771	66.1
23-Sep	17	58.4	46.3	84.8	65.4	62.2	58.4	54.4	51.6	51.1		Monday	09/23/02	4:00 PM	0	691830.9709	66.1
23-Sep	18	58.6	51.1	81.6	66.2	62.5	57.6	56.1	52.2	51.1		Monday	09/23/02	5:00 PM	0	724435.9601	66.1
23-Sep	19	58.2	51	77	65.1	60.4	58.3	57.3	53.8	51.4		Monday	09/23/02	6:00 PM	0	660693.448	66.1
23-Sep	20	59.5	51.8	73.9	66.2	61.5	59.4	58.5	55.5	54.2		Monday	09/23/02	7:00 PM	0	891250.9381	66.1
23-Sep	21	65.8	54.2	102.2	66.1	61	59.3	58.5	56.1	55.1		Monday	09/23/02	8:00 PM	0	3801893.963	66.1
23-Sep	22	58.2	52.9	72.3	64.1	60	58.5	57.7	54.9	53.8		Monday	09/23/02	9:00 PM	0	660693.448	66.1
23-Sep	23	61	52.9	85.1	67.9	62.6	60.5	59.5	55.7	53.7		Monday	09/23/02	10:00 PM	10	12589254.12	66.1
23-Sep	24	62.7	53.4	82.2	72.2	64	58.8	58.2	54.7	54		Monday	09/23/02	11:00 PM	10	18620871.37	66.1
24-Sep	1	57.2	52.7	72.5	62.3	59	58.1	56.4	54.3	53.2		Tuesday	09/24/02	12:00 AM	10	5248074.602	67.6
24-Sep	2	57.3	52.7	75.1	61.9	59	57.9	56.5	54.2	53.2		Tuesday	09/24/02	1:00 AM	10	5370317.964	67.6
24-Sep	3	58.3	53	74.4	64.4	60	58.6	57.8	54.8	53.6		Tuesday	09/24/02	2:00 AM	10	6760829.754	67.6
24-Sep	4	61.6	52.8	90	66.4	60.4	58.8	58.1	55.3	54		Tuesday	09/24/02	3:00 AM	10	14454397.71	67.6
24-Sep	5	61.8	53.8	98.6	66.7	61.8	59.9	59.1	56.5	54.7		Tuesday	09/24/02	4:00 AM	10	15135612.48	67.6
24-Sep	6	62.1	56.1	84	67.1	63.4	62.1	61.2	58.9	57.2		Tuesday	09/24/02	5:00 AM	10	16218100.97	67.6
24-Sep	7	62.7	59.1	81.3	68.6	63.8	62.6	62	60.5	59.5		Tuesday	09/24/02	6:00 AM	10	18620871.37	67.6
24-Sep	8	70	58.3	93.5	83.8	68	64.6	63.5	61.4	59.7		Tuesday	09/24/02	7:00 AM	0	10000000	67.6
24-Sep	9	71.4	56.2	106.9	69.3	63.8	61.9	61.2	59.1	57.4		Tuesday	09/24/02	8:00 AM	0	13803842.65	67.6
24-Sep	10	63.1	54.6	94.4	69.4	63.8	61.2	60.3	57.7	56		Tuesday	09/24/02	9:00 AM	0	2041737.945	67.6
24-Sep	11	61.3	53.4	83.7	69.3	63.3	60.8	59.7	56.7	54.6		Tuesday	09/24/02	10:00 AM	0	1348962.883	67.6
24-Sep	12	61.1	52.9	81.1	68.6	63.3	60.6	59.5	57.1	55.3		Tuesday	09/24/02	11:00 AM	0	1288249.552	67.6
24-Sep	13	61.4	51.1	85.3	68.1	62.9	60.4	59.4	56.1	51.9		Tuesday	09/24/02	12:00 PM	0	1380384.265	67.6
24-Sep	14	60.3	51.2	79.2	68.3	62.7	60.3	59.3	52.4	51.2		Tuesday	09/24/02	1:00 PM	0	1071519.305	67.6
24-Sep	15	59.6	51.3	82.7	68.7	62	59.7	57.6	51.8	51.3		Tuesday	09/24/02	2:00 PM	0	912010.8394	67.6
24-Sep	16	59	51.3	85.1	67.5	61.3	59.4	55.8	51.6	51.3		Tuesday	09/24/02	3:00 PM	0	794328.2347	67.6
24-Sep	17	60	51.2	74.9	68.6	62.1	59.9	59.1	52.4	51.2		Tuesday	09/24/02	4:00 PM	0	1000000	67.6
24-Sep	18	60.7	51.1	77.9	67.7	63.3	60.6	59.7	54.5	51.4		Tuesday	09/24/02	5:00 PM	0	1174897.555	67.6
24-Sep	19	61.6	51.5	77.9	68.6	63.5	61.6	60.8	58.7	53.9		Tuesday	09/24/02	6:00 PM	0	1445439.771	67.6
24-Sep	20	61.5	54.4	79	68.3	62.9	61.4	60.7	58.2	56.5		Tuesday	09/24/02	7:00 PM	0	1412537.545	67.6
24-Sep	21	64.7	54.3	100.8	66.7	62.5	60.6	59.9	57.6	55.6		Tuesday	09/24/02	8:00 PM	0	2951209.227	67.6
24-Sep	22	60	53.2	80.4	67.5	61.9	59.6	58.7	55.6	54.2		Tuesday	09/24/02	9:00 PM	0	1000000	67.6
24-Sep	23	59.1	52.7	85.1	66.6	60.7	58.6	57.9	54.3	53.2		Tuesday	09/24/02	10:00 PM	10	8128305.162	67.6
24-Sep	24	58.1	53.4	69.8	64.6	60	58.6	57.8	54.7	54		Tuesday	09/24/02	11:00 PM	10	6456542.29	67.6

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
25-Sep	1	57.2	52.3	69.6	62.3	59	58.1	56.9	53.8	53		Wednesday	09/25/02	12:00 AM	10	5248074.602	68.0
25-Sep	2	57.5	52	80.8	63.8	58.8	57.6	56.2	53.2	52.2		Wednesday	09/25/02	1:00 AM	10	5623413.252	68.0
25-Sep	3	67.2	52.3	105.2	63.8	59.6	58.2	57.1	53.9	53.1		Wednesday	09/25/02	2:00 AM	10	52480746.02	68.0
25-Sep	4	57.4	52.7	73.1	62.6	59.3	58.2	57	54.2	53.2		Wednesday	09/25/02	3:00 AM	10	5495408.739	68.0
25-Sep	5	56.9	52.4	71.9	60.7	58.9	58	56	53.7	53.1		Wednesday	09/25/02	4:00 AM	10	4897788.194	68.0
25-Sep	6	59.1	53.7	69.8	63.9	60.9	59.5	58.7	55.6	54.4		Wednesday	09/25/02	5:00 AM	10	8128305.162	68.0
25-Sep	7	61.3	56.3	78.1	67	62.7	61.2	60.5	58.3	57		Wednesday	09/25/02	6:00 AM	10	13489628.83	68.0
25-Sep	8	65.3	56.9	86.4	74.5	67.7	63.4	62.4	60.4	59.1		Wednesday	09/25/02	7:00 AM	0	3388441.561	68.0
25-Sep	9	62.8	55.7	79.3	69.8	64.9	62.6	61.6	59.3	57.3		Wednesday	09/25/02	8:00 AM	0	1905460.718	68.0
25-Sep	10	66.7	57	89.4	75.2	68.4	66	64.8	60.5	59.1		Wednesday	09/25/02	9:00 AM	0	4677351.413	68.0
25-Sep	11	67	62.2	100.5	72.2	67	65.6	65	63.7	63		Wednesday	09/25/02	10:00 AM	0	5011872.336	68.0
25-Sep	12	70.1	54.5	95.8	82.6	65.9	63.7	61.3	58.2	56.2		Wednesday	09/25/02	11:00 AM	0	10232929.92	68.0
25-Sep	13	63.4	54.8	81.3	73.8	65.3	61.8	60.6	58.2	56.3		Wednesday	09/25/02	12:00 PM	0	2187761.624	68.0
25-Sep	14	61.8	51.1	80.8	68.8	63.7	61.2	60.2	58	54.1		Wednesday	09/25/02	1:00 PM	0	1513561.248	68.0
25-Sep	15	63	51.1	83.6	73.2	64.8	61.6	60.4	57.1	51.6		Wednesday	09/25/02	2:00 PM	0	1995262.315	68.0
25-Sep	16	61.2	51.2	88.8	68.7	62.8	60.1	59.3	53.5	51.2		Wednesday	09/25/02	3:00 PM	0	1318256.739	68.0
25-Sep	17	61.6	51.1	85	68.8	63.7	60.9	59.9	56	51.6		Wednesday	09/25/02	4:00 PM	0	1445439.771	68.0
25-Sep	18	61.3	51.3	79.8	68.1	63.2	60.9	60.1	58	53.6		Wednesday	09/25/02	5:00 PM	0	1348962.883	68.0
25-Sep	19	60.9	51.8	78.7	67.7	62.6	60.5	59.7	57.5	55.4		Wednesday	09/25/02	6:00 PM	0	1230268.771	68.0
25-Sep	20	59.9	53.5	76.2	66.3	61.8	59.8	59	56.3	54.5		Wednesday	09/25/02	7:00 PM	0	977237.221	68.0
25-Sep	21	65.9	52.2	104.3	67.7	61.5	59.3	58.5	55.4	53.2		Wednesday	09/25/02	8:00 PM	0	3890451.45	68.0
25-Sep	22	59.2	52.4	79.2	66.2	60.9	58.7	57.9	55.2	53.2		Wednesday	09/25/02	9:00 PM	0	831763.7711	68.0
25-Sep	23	58.9	52.3	73.3	66	60.7	58.6	57.8	54.7	53.1		Wednesday	09/25/02	10:00 PM	10	7762471.166	68.0
25-Sep	24	58	51.9	71.4	65.1	59.5	57.9	57.5	53.6	52.2		Wednesday	09/25/02	11:00 PM	10	6309573.445	68.0
26-Sep	1	58.2	51.6	73.8	64.1	59.9	58.3	57.7	53.5	52.2		Thursday	09/26/02	12:00 AM	10	6606934.48	68.0
26-Sep	2	57.4	51.6	72.2	62.8	58.7	57.7	57.3	52.9	52.1		Thursday	09/26/02	1:00 AM	10	5495408.739	68.0
26-Sep	3	66	51.3	105.3	63	58.6	57.6	57.2	52.5	51.9		Thursday	09/26/02	2:00 AM	10	39810717.06	68.0
26-Sep	4	57.1	51.8	70.7	62	58.5	57.6	57.3	52.7	52.1		Thursday	09/26/02	3:00 AM	10	5128613.84	68.0
26-Sep	5	57.4	51.4	71.5	62.2	58.9	57.7	57.3	53	52.1		Thursday	09/26/02	4:00 AM	10	5495408.739	68.0
26-Sep	6	59.7	52.7	79.1	69	60.7	58.8	58.2	54.8	53.3		Thursday	09/26/02	5:00 AM	10	9332543.008	68.0
26-Sep	7	61.4	53.2	82.2	71.4	62.1	59.9	59	56.9	54.3		Thursday	09/26/02	6:00 AM	10	13803842.65	68.0
26-Sep	8	62.3	56.7	78.9	68.6	64.2	62	61.3	59.3	57.9		Thursday	09/26/02	7:00 AM	0	1698243.652	68.0
26-Sep	9	69.6	56.8	96.5	83.5	67.4	63.1	61.8	59.6	58.1		Thursday	09/26/02	8:00 AM	0	9120108.394	68.0
26-Sep	10	63	55.3	83.3	71.3	64.8	62.5	61.4	59	57.1		Thursday	09/26/02	9:00 AM	0	1995262.315	68.0
26-Sep	11	64.4	55.2	92.3	73.2	66.1	62.3	61.2	59	56.8		Thursday	09/26/02	10:00 AM	0	2754228.703	68.0
26-Sep	12	62.5	55.6	79	70.4	64.6	62	60.9	58.8	57.1		Thursday	09/26/02	11:00 AM	0	1778279.41	68.0
26-Sep	13	62.2	55.5	82.2	69.7	64.3	61.6	60.6	58.6	57		Thursday	09/26/02	12:00 PM	0	1659586.907	68.0
26-Sep	14	63.2	51.7	87.6	70.6	64.7	62	60.9	58.6	54.9		Thursday	09/26/02	1:00 PM	0	2089296.131	68.0
26-Sep	15	70.1	51.1	97.4	81.7	70.1	62.5	61.1	58.1	52.4		Thursday	09/26/02	2:00 PM	0	10232929.92	68.0
26-Sep	16	61.7	51.1	86.8	69.6	63.6	60.9	59.9	56.1	52.1		Thursday	09/26/02	3:00 PM	0	1479108.388	68.0
26-Sep	17	62.3	51.2	81.7	70	64.4	61.8	60.7	58.4	53.1		Thursday	09/26/02	4:00 PM	0	1698243.652	68.0
26-Sep	18	62	52.4	83.3	69.4	64	61.6	60.6	58.2	55.9		Thursday	09/26/02	5:00 PM	0	1584893.192	68.0
26-Sep	19	61	54.7	82.3	68.3	62.5	60.5	59.8	57.9	55.8		Thursday	09/26/02	6:00 PM	0	1258925.412	68.0
26-Sep	20	60.4	53.7	75.8	66.5	62.3	60.4	59.7	57.4	55		Thursday	09/26/02	7:00 PM	0	1096478.196	68.0
26-Sep	21	68.7	52.9	107.8	67.2	61.8	59.7	58.9	55.9	53.8		Thursday	09/26/02	8:00 PM	0	7413102.413	68.0
26-Sep	22	59.6	52.8	76.3	66	61.1	59.4	58.7	55.3	53.4		Thursday	09/26/02	9:00 PM	0	912010.8394	68.0
26-Sep	23	60.1	52.1	75.3	69.6	61.7	59.4	58.6	54.6	53		Thursday	09/26/02	10:00 PM	10	10232929.92	68.0
26-Sep	24	59.4	51.6	72.8	66.5	61.9	59.2	58.3	54	52.3		Thursday	09/26/02	11:00 PM	10	8709635.9	68.0
27-Sep	1	57.1	51.5	70.9	61.7	58.7	57.6	57.2	52.7	52		Friday	09/27/02	12:00 AM	10	5128613.84	66.1
27-Sep	2	57.4	51.4	72.4	63.2	58.9	57.7	57.2	53	52.1		Friday	09/27/02	1:00 AM	10	5495408.739	66.1
27-Sep	3	57.2	51.6	76	63	58.6	57.5	57	52.6	52		Friday	09/27/02	2:00 AM	10	5248074.602	66.1
27-Sep	4	56.5	51.2	73.7	60.4	57.8	57.2	56.7	52.4	51.6		Friday	09/27/02	3:00 AM	10	4466835.922	66.1
27-Sep	5	57.1	51.4	71.7	62.7	58.5	57.5	57.2	52.6	52		Friday	09/27/02	4:00 AM	10	5128613.84	66.1
27-Sep	6	57.8	51.8	74.1	63.5	59.5	57.9	57.5	53.6	52.2		Friday	09/27/02	5:00 AM	10	6025595.861	66.1
27-Sep	7	61.4	53.5	88.5	69.3	61.8	59.9	59.1	56.7	54.2		Friday	09/27/02	6:00 AM	10	13803842.65	66.1

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
27-Sep	8	62.8	55.4	83.2	70.7	64	61.5	60.7	58.6	56.5		Friday	09/27/02	7:00 AM	0	1905460.718	66.1
27-Sep	9	64.1	56.2	83.8	74.5	65.4	62.5	61.5	59.3	57.6		Friday	09/27/02	8:00 AM	0	2570395.783	66.1
27-Sep	10	62	56.2	84	68.8	63.8	61.6	60.7	59	57.2		Friday	09/27/02	9:00 AM	0	1584893.192	66.1
27-Sep	11	62.4	55.6	80.2	70.2	64	61.7	60.9	59	57.1		Friday	09/27/02	10:00 AM	0	1737800.829	66.1
	12											Friday	01/00/00	11:00 AM	0		
	13											Friday	01/00/00	12:00 PM	0	0	
	14											Friday	01/00/00	1:00 PM	0	0	
20-Sep	15	62.6	57	82.1	69.1	64.4	62.1	61.1	59	57.4		Friday	09/20/02	2:00 PM	0	1819700.859	
20-Sep	16	62.3	55	82.7	71	64.7	61.4	60.2	57.6	56.1		Friday	09/20/02	3:00 PM	0	1698243.652	
20-Sep	17	62.2	54.3	81	70.2	64.3	61.6	60.5	57.7	56		Friday	09/20/02	4:00 PM	0	1659586.907	
20-Sep	18	62.2	54.4	79	70.7	64.1	61.5	60.6	58.1	56		Friday	09/20/02	5:00 PM	0	1659586.907	
20-Sep	19	61.7	54.1	89.5	69.2	63.5	61.1	60.1	57.5	55.5		Friday	09/20/02	6:00 PM	0	1479108.388	
20-Sep	20	63	53.5	89.9	70.9	63.5	60.6	59.6	56.3	54.4		Friday	09/20/02	7:00 PM	0	1995262.315	
20-Sep	21	65.9	52.8	88.4	79.3	63.5	60	59	54.9	53.5		Friday	09/20/02	8:00 PM	0	3890451.45	
20-Sep	22	59.9	52.5	79.7	67.7	62	59.6	58.6	54.8	53.3		Friday	09/20/02	9:00 PM	0	977237.221	
20-Sep	23	58.9	51.6	77.5	65.6	60.6	58.8	58	53.9	52.5		Friday	09/20/02	10:00 PM	10	7762471.166	
20-Sep	24	59.4	51.8	75.2	67.8	61.8	58.8	58	53.2	52.1		Friday	09/20/02	11:00 PM	10	8709635.9	
																Overall Ldn	67.5

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
1-Oct	1	50.7	46	62.8	54.8	52.4	50.9	50.3	48.4	47.2		Tuesday	10/01/02	12:00 AM	10	1174897.555	61.7
1-Oct	2	51.6	45.1	60.8	56.4	53.8	52.1	51.2	48.4	46.4		Tuesday	10/01/02	1:00 AM	10	1445439.771	61.7
1-Oct	3	49.4	43	57.9	53.8	51.6	49.8	49	46.4	45		Tuesday	10/01/02	2:00 AM	10	870963.59	61.7
1-Oct	4	47.9	43	59.9	51.9	50.1	48.3	47.4	45.1	44		Tuesday	10/01/02	3:00 AM	10	616595.0019	61.7
1-Oct	5	53.6	46.3	62	58.5	56.4	54	52.7	49.5	47.7		Tuesday	10/01/02	4:00 AM	10	2290867.653	61.7
1-Oct	6	57.3	51.7	64	60.6	58.9	57.6	57	55.2	53.5		Tuesday	10/01/02	5:00 AM	10	5370317.964	61.7
1-Oct	7	56.7	52.3	69	60.4	58	57	56.4	54.6	53.2		Tuesday	10/01/02	6:00 AM	10	4677351.413	61.7
1-Oct	8	56.7	52.5	69.1	60.9	58.4	57	56.3	54.3	53.2		Tuesday	10/01/02	7:00 AM	0	467735.1413	61.7
1-Oct	9	57.7	52.1	78.4	62.4	58.6	57.2	56.6	54.3	53.1		Tuesday	10/01/02	8:00 AM	0	588843.6554	61.7
1-Oct	10	58.7	54.8	75.7	63.9	60	58.6	57.9	56.6	55.9		Tuesday	10/01/02	9:00 AM	0	741310.2413	61.7
1-Oct	11	60.2	53.3	75.1	67.6	61.8	60.2	59.3	56.5	54.6		Tuesday	10/01/02	10:00 AM	0	1047128.548	61.7
1-Oct	12	60.9	55.7	76.3	64.5	62.7	61.4	60.6	58.4	57		Tuesday	10/01/02	11:00 AM	0	1230268.771	61.7
1-Oct	13	59.1	55.4	78.7	62.4	60.8	59.5	58.8	57.1	56.1		Tuesday	10/01/02	12:00 PM	0	812830.5162	61.7
1-Oct	14	60.2	55.6	74.4	63.5	61.8	60.5	59.9	58.1	56.7		Tuesday	10/01/02	1:00 PM	0	1047128.548	61.7
1-Oct	15	61	56.6	71.5	64.6	62.6	61.4	60.7	58.7	57.5		Tuesday	10/01/02	2:00 PM	0	1258925.412	61.7
1-Oct	16	59.4	53.2	73.4	63	61.1	59.8	59.1	56.6	55.1		Tuesday	10/01/02	3:00 PM	0	870963.59	61.7
1-Oct	17	59.8	53.3	79.9	68.9	61.5	58.6	57.8	55.5	54.2		Tuesday	10/01/02	4:00 PM	0	954992.586	61.7
1-Oct	18	57.7	53.9	72.7	64.7	58.8	57.4	56.8	55.5	54.6		Tuesday	10/01/02	5:00 PM	0	588843.6554	61.7
1-Oct	19	58.7	55.4	68.2	61.7	60	59.1	58.5	57.1	56.1		Tuesday	10/01/02	6:00 PM	0	741310.2413	61.7
1-Oct	20	59.5	55.4	76.7	62.1	60.8	59.8	59.3	58.1	57		Tuesday	10/01/02	7:00 PM	0	891250.9381	61.7
1-Oct	21	58.3	53.4	70.3	62.4	60	58.6	57.9	56.2	55		Tuesday	10/01/02	8:00 PM	0	676082.9754	61.7
1-Oct	22	55.6	51.1	73.9	61	57	55.7	55.1	53.2	52		Tuesday	10/01/02	9:00 PM	0	363078.0548	61.7
1-Oct	23	53.1	47.1	67.6	60.9	55.5	52.3	51.5	49.5	48.2		Tuesday	10/01/02	10:00 PM	10	2041737.945	61.7
1-Oct	24	56.6	43.6	74.4	69.4	59.4	48.9	47.8	45.7	44.4		Tuesday	10/01/02	11:00 PM	10	4570881.896	61.7
2-Oct	1	50.9	43.9	67	61.6	52.2	48.5	47.6	45.8	44.9		Wednesday	10/02/02	12:00 AM	10	1230268.771	63.1
2-Oct	2	49.4	44.6	57.6	53.2	51.4	49.7	48.9	47.1	46		Wednesday	10/02/02	1:00 AM	10	870963.59	63.1
2-Oct	3	48	41.3	64.5	55.9	50.4	47.4	46.3	44.1	42.8		Wednesday	10/02/02	2:00 AM	10	630957.3445	63.1
2-Oct	4	51.8	43.1	63.3	57.9	54.4	52	50.8	46.7	44.6		Wednesday	10/02/02	3:00 AM	10	1513561.248	63.1
2-Oct	5	52.8	46	65	58.2	55.4	53.4	52	48.9	47.2		Wednesday	10/02/02	4:00 AM	10	1905460.718	63.1
2-Oct	6	56	51	60.9	59.3	57.7	56.4	55.8	54	52.2		Wednesday	10/02/02	5:00 AM	10	3981071.706	63.1
2-Oct	7	57.2	53.5	74.6	65.4	57.7	56.4	55.9	54.8	54.1		Wednesday	10/02/02	6:00 AM	10	5248074.602	63.1
2-Oct	8	56.6	52.1	68.6	60.9	58	56.7	56.1	54.5	53.2		Wednesday	10/02/02	7:00 AM	0	457088.1896	63.1
2-Oct	9	54	49.6	73.4	61.5	55.3	53.5	52.9	51.4	50.3		Wednesday	10/02/02	8:00 AM	0	251188.6432	63.1
2-Oct	10	54	48.9	64.8	58.9	56	54.3	53.4	51.4	50		Wednesday	10/02/02	9:00 AM	0	251188.6432	63.1
2-Oct	11	57.9	53	76.8	63.3	59.3	57.8	57.2	55.2	53.9		Wednesday	10/02/02	10:00 AM	0	616595.0019	63.1
2-Oct	12	58.4	52.5	70.5	63.7	60.3	58.7	57.9	55.4	53.6		Wednesday	10/02/02	11:00 AM	0	691830.9709	63.1
2-Oct	13	61.2	54.3	80.3	67.3	63.6	61.4	60.1	57.1	55.3		Wednesday	10/02/02	12:00 PM	0	1318256.739	63.1
2-Oct	14	60.9	53.2	70.1	64.9	63.3	61.8	60.6	57.1	55		Wednesday	10/02/02	1:00 PM	0	1230268.771	63.1
2-Oct	15	63.6	57.9	76	70.3	65.3	63.4	62.6	60.9	59.5		Wednesday	10/02/02	2:00 PM	0	2290867.653	63.1
2-Oct	16	68.4	58.9	80.9	75.4	71.9	68.4	66	62.4	60.4		Wednesday	10/02/02	3:00 PM	0	6918309.709	63.1
2-Oct	17	63.4	57.8	86.9	72.8	63.8	62	61.5	59.8	58.6		Wednesday	10/02/02	4:00 PM	0	2187761.624	63.1
2-Oct	18	61.7	57.4	76.6	65.6	62.9	61.9	61.5	60.1	58.6		Wednesday	10/02/02	5:00 PM	0	1479108.388	63.1
2-Oct	19	62	55.8	84.9	68.5	62.7	61.4	60.7	58.2	56.5		Wednesday	10/02/02	6:00 PM	0	1584893.192	63.1
2-Oct	20	64.3	54.4	73.6	69.6	67.4	65.3	63.7	58.4	55.7		Wednesday	10/02/02	7:00 PM	0	2691534.804	63.1
2-Oct	21	60.4	50.1	73.2	68.9	65.8	55.9	54.5	52.2	51.1		Wednesday	10/02/02	8:00 PM	0	1096478.196	63.1
2-Oct	22	56.7	49.1	71.5	64.5	59.4	56.1	55.1	52.8	50.6		Wednesday	10/02/02	9:00 PM	0	467735.1413	63.1
2-Oct	23	57	51.9	79.4	64.1	58.4	56.6	55.9	54	52.9		Wednesday	10/02/02	10:00 PM	10	5011872.336	63.1
2-Oct	24	57.3	51.3	75.5	66	58.4	56.7	55.9	54.1	52.5		Wednesday	10/02/02	11:00 PM	10	5370317.964	63.1
3-Oct	1	56.3	49.4	65.6	61.2	58.6	56.6	55.6	53.1	51.3		Thursday	10/03/02	12:00 AM	10	4265795.188	63.8
3-Oct	2	54.4	47.4	67	60	56.8	54.6	53.6	50.8	49		Thursday	10/03/02	1:00 AM	10	2754228.703	63.8
3-Oct	3	54.7	48.8	64.5	59.9	57.1	55	54	51.6	50.1		Thursday	10/03/02	2:00 AM	10	2951209.227	63.8
3-Oct	4	53.7	46.5	63.7	59.6	56.2	53.9	52.8	50	48.1		Thursday	10/03/02	3:00 AM	10	2344228.815	63.8
3-Oct	5	54.5	48.7	63	58.6	56.2	54.8	54.1	52.1	50.3		Thursday	10/03/02	4:00 AM	10	2818382.931	63.8
3-Oct	6	57.1	51.1	64.8	60.9	59.4	57.6	56.6	53.7	52.2		Thursday	10/03/02	5:00 AM	10	5128613.84	63.8
3-Oct	7	59.1	55.3	71.5	64.7	59.9	59	58.6	57.3	56.3		Thursday	10/03/02	6:00 AM	10	8128305.162	63.8
3-Oct	8	58	53.5	75	63.6	59.7	58.1	57.4	55.3	54.1		Thursday	10/03/02	7:00 AM	0	630957.3445	63.8
3-Oct	9	56.1	50.2	77.3	67.3	56.1	54.6	54	52.3	51.2		Thursday	10/03/02	8:00 AM	0	407380.2778	63.8

Location D

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
3-Oct	10	55.1	51.4	68.5	59.6	56.7	55.1	54.6	53.1	52.1		Thursday	10/03/02	9:00 AM	0	323593.6569	63.8
3-Oct	11	55.5	51.5	74.9	59.7	56.5	55.4	54.8	53.2	52.1		Thursday	10/03/02	10:00 AM	0	354813.3892	63.8
3-Oct	12	56.2	50.5	73.9	63.7	57.6	55.8	55.3	52.8	51.2		Thursday	10/03/02	11:00 AM	0	416869.3835	63.8
3-Oct	13	57.1	51.9	84.7	61.7	58.6	56.5	55.6	53.9	52.8		Thursday	10/03/02	12:00 PM	0	512861.384	63.8
3-Oct	14	58.7	52.1	72.6	63.7	60.4	58.9	58.3	55.5	54		Thursday	10/03/02	1:00 PM	0	741310.2413	63.8
3-Oct	15	61.2	55.5	76.8	66.6	62.5	61.3	60.7	58.7	56.7		Thursday	10/03/02	2:00 PM	0	1318256.739	63.8
3-Oct	16	60.8	56	81.4	66.6	61.8	60.5	59.9	58.1	57		Thursday	10/03/02	3:00 PM	0	1202264.435	63.8
3-Oct	17	60.3	56.7	70.3	63.4	61.8	60.7	60.1	58.4	57.3		Thursday	10/03/02	4:00 PM	0	1071519.305	63.8
3-Oct	18	60.3	56.4	74.8	65.2	61.6	60.3	59.7	58.3	57.3		Thursday	10/03/02	5:00 PM	0	1071519.305	63.8
3-Oct	19	59.7	54.8	74.2	64.3	61.4	59.9	59.2	57.4	56.2		Thursday	10/03/02	6:00 PM	0	933254.3008	63.8
3-Oct	20	58.1	52.8	76	62.9	59.8	58.4	57.6	55.5	54.1		Thursday	10/03/02	7:00 PM	0	645654.229	63.8
3-Oct	21	56.1	51.3	65.5	60.9	57.9	56.5	55.7	53.4	52.1		Thursday	10/03/02	8:00 PM	0	407380.2778	63.8
3-Oct	22	55.3	49.3	72.4	61.5	57	55.6	54.7	51.9	50.3		Thursday	10/03/02	9:00 PM	0	338844.1561	63.8
3-Oct	23	61.2	51.9	89.2	72	58.2	56.6	55.9	54.3	53.1		Thursday	10/03/02	10:00 PM	10	13182567.39	63.8
3-Oct	24	57.5	52.8	69.8	62.4	59.4	57.5	56.7	54.9	53.8		Thursday	10/03/02	11:00 PM	10	5623413.252	63.8
4-Oct	1	56	50.7	63.4	60.3	57.9	56.3	55.5	53.4	52		Friday	10/04/02	12:00 AM	10	3981071.706	64.8
4-Oct	2	56.4	49.6	64.4	61	58.6	56.7	55.8	53.3	51.2		Friday	10/04/02	1:00 AM	10	4365158.322	64.8
4-Oct	3	53.7	48.2	61.2	58.7	55.8	54.1	53.2	50.7	49.3		Friday	10/04/02	2:00 AM	10	2344228.815	64.8
4-Oct	4	52.6	47.8	60.4	56.1	54.4	53	52.3	50.2	48.9		Friday	10/04/02	3:00 AM	10	1819700.859	64.8
4-Oct	5	54.9	49	60.6	58.9	57.2	55.6	54.6	51.5	50.1		Friday	10/04/02	4:00 AM	10	3090295.433	64.8
4-Oct	6	61.5	56	66.6	64.8	63.3	62.2	61.4	58.5	57		Friday	10/04/02	5:00 AM	10	14125375.45	64.8
4-Oct	7	63.5	58.6	69.2	66.7	65.2	63.9	63.3	61.4	59.3		Friday	10/04/02	6:00 AM	10	22387211.39	64.8
4-Oct	8	59.1	54.8	71.6	63.3	60.4	59.4	58.8	56.9	56		Friday	10/04/02	7:00 AM	0	812830.5162	64.8
4-Oct	9	55.4	50.5	70.9	64	56.5	54.8	54.1	52.3	51.2		Friday	10/04/02	8:00 AM	0	346736.8505	64.8
4-Oct	10	56	51.6	68.9	61.5	57.7	55.8	55.2	53.9	52.8		Friday	10/04/02	9:00 AM	0	398107.1706	64.8
4-Oct	11	55.7	52.6	77.4	60.8	56.9	55.7	55.2	54.1	53.1		Friday	10/04/02	10:00 AM	0	371535.2291	64.8
4-Oct	12	54.7	49.9	70.8	60.4	56.2	54.6	53.9	52.3	51		Friday	10/04/02	11:00 AM	0	295120.9227	64.8
4-Oct	13	56.7	51.7	71.5	65.1	57.9	56	55.5	53.9	52.4		Friday	10/04/02	12:00 PM	0	467735.1413	64.8
4-Oct	14	57.5	49.5	69.2	62.6	59.7	57.9	57.1	54	51		Friday	10/04/02	1:00 PM	0	562341.3252	64.8
4-Oct	15	58.6	53.9	77.3	63.7	60.3	58.7	57.9	56.1	55		Friday	10/04/02	2:00 PM	0	724435.9601	64.8
4-Oct	16	59.3	55.2	66.5	62.9	61	59.6	58.9	57.2	56.2		Friday	10/04/02	3:00 PM	0	851138.0382	64.8
4-Oct	17	59.6	54.9	75.7	67.2	60.4	59.3	58.7	57.2	56.1		Friday	10/04/02	4:00 PM	0	912010.8394	64.8
4-Oct	18	59.7	54.9	72.5	66.5	61	59.6	58.9	57.2	56.1		Friday	10/04/02	5:00 PM	0	933254.3008	64.8
4-Oct	19	58.1	54.4	79.1	61.9	59.2	58.1	57.6	56.3	55.2		Friday	10/04/02	6:00 PM	0	645654.229	64.8
4-Oct	20	57.9	54.7	72.1	62.1	58.9	57.9	57.5	56.2	55.3		Friday	10/04/02	7:00 PM	0	616595.0019	64.8
4-Oct	21	57.7	52.7	75.2	61.1	59.2	58.2	57.5	55.2	54		Friday	10/04/02	8:00 PM	0	588843.6554	64.8
4-Oct	22	56.6	52.3	71.4	62.6	58.1	56.3	55.6	53.9	53		Friday	10/04/02	9:00 PM	0	457088.1896	64.8
4-Oct	23	56.4	52.2	72.9	62.6	57.5	56.3	55.7	54.3	53.3		Friday	10/04/02	10:00 PM	10	4365158.322	64.8
4-Oct	24	58.7	49.5	82.5	69.2	58.7	56.8	56.1	54.1	50.8		Friday	10/05/02	11:00 PM	10	7413102.413	64.8
5-Oct	1	55.8	50.4	65.8	59.9	57.8	56.1	55.4	53.4	52.1		Saturday	10/05/02	12:00 AM	10	3801893.963	64.9
5-Oct	2	52.9	48.8	64.2	56.2	54.4	53.3	52.6	50.9	49.6		Saturday	10/05/02	1:00 AM	10	1949844.6	64.9
5-Oct	3	53.1	49.1	59.6	57.1	54.8	53.4	52.7	51.2	50.1		Saturday	10/05/02	2:00 AM	10	2041737.945	64.9
5-Oct	4	56	49.8	66.4	61	58.3	56.4	55.4	52.9	51.3		Saturday	10/05/02	3:00 AM	10	3981071.706	64.9
5-Oct	5	56.6	49	71.4	62	59.4	56.8	55.6	52.7	51.1		Saturday	10/05/02	4:00 AM	10	4570881.896	64.9
5-Oct	6	60	54.5	70.9	63.6	61.7	60.4	59.8	58	56.4		Saturday	10/05/02	5:00 AM	10	10000000	64.9
10/5/2002*	7	60	54.5	70.9	63.6	61.7	60.4	59.8	58	56.4		Saturday	10/5/2002*	6:00 AM	10	10000000	64.9
5-Oct	8	61.8	55.3	77.6	66.9	63.6	62.1	61.2	57.7	56.2		Saturday	10/05/02	7:00 AM	0	1513561.248	64.9
5-Oct	9	55.1	49.8	64.2	58.3	56.9	56	55.1	51.8	50.7		Saturday	10/05/02	8:00 AM	0	323593.6569	64.9
5-Oct	10	58.4	49.8	82	67.2	57.9	54.8	54	52	50.7		Saturday	10/05/02	9:00 AM	0	691830.9709	64.9
5-Oct	11	58.5	51.2	73.2	68.8	61.1	55.5	54.7	53.2	52.1		Saturday	10/05/02	10:00 AM	0	707945.7844	64.9
5-Oct	12	57	50.7	73.5	64.3	58.5	56.9	56.1	53.5	52.1		Saturday	10/05/02	11:00 AM	0	501187.2336	64.9
5-Oct	13	58.4	53.2	65.7	61.6	59.9	58.8	58.3	56.1	54.5		Saturday	10/05/02	12:00 PM	0	691830.9709	64.9
5-Oct	14	59.9	54.9	73.5	64.7	61.4	60.1	59.5	57.6	56.1		Saturday	10/05/02	1:00 PM	0	977237.221	64.9
5-Oct	15	60.4	55.9	74.3	63.9	61.8	60.7	60.1	58.4	56.9		Saturday	10/05/02	2:00 PM	0	1096478.196	64.9
5-Oct	16	60.1	56.5	66.4	62.9	61.6	60.5	59.9	58.4	57.3		Saturday	10/05/02	3:00 PM	0	1023292.992	64.9

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
5-Oct	17	60.2	52	73.9	65.4	61.9	60.4	59.6	57.5	54.5		Saturday	10/05/02	4:00 PM	0	1047128.548	64.9
5-Oct	18	59.1	52.3	69.4	62.6	60.8	59.6	59	56.9	54		Saturday	10/05/02	5:00 PM	0	812830.5162	64.9
5-Oct	19	58.8	54.8	69.3	62.3	60.2	59.1	58.6	57.2	56.1		Saturday	10/05/02	6:00 PM	0	758577.575	64.9
5-Oct	20	60.9	57	75.9	66.2	62.7	61.1	60	58.4	57.8		Saturday	10/05/02	7:00 PM	0	1230268.771	64.9
5-Oct	21	60.9	56.9	73.4	65.4	62.4	60.9	60.4	58.9	58		Saturday	10/05/02	8:00 PM	0	1230268.771	64.9
5-Oct	22	60.8	56.7	73.9	65.7	62.1	61	60.4	58.8	57.4		Saturday	10/05/02	9:00 PM	0	1202264.435	64.9
5-Oct	23	60.7	55	78	67.4	61.7	60.6	60.1	58	56.2		Saturday	10/05/02	10:00 PM	10	11748975.55	64.9
5-Oct	24	61	55.9	69.1	65	62.8	61.5	60.8	58.6	57.1		Saturday	10/05/02	11:00 PM	10	12589254.12	64.9
6-Oct	1	59.5	53.8	79.6	63.8	61.6	59.6	58.6	56.3	55.1		Sunday	10/06/02	12:00 AM	10	8912509.381	64.4
6-Oct	2	59.5	55.4	72.5	64.2	61.2	59.6	58.9	57.2	56.1		Sunday	10/06/02	1:00 AM	10	8912509.381	64.4
6-Oct	3	58	51.4	67.1	61.6	59.7	58.4	57.7	55.7	53.8		Sunday	10/06/02	2:00 AM	10	6309573.445	64.4
6-Oct	4	56.4	48.7	68.3	62.3	58.6	56.6	55.6	52.8	50.6		Sunday	10/06/02	3:00 AM	10	4365158.322	64.4
6-Oct	5	53.3	46.1	61.7	57.8	55	53.7	53	51	49.1		Sunday	10/06/02	4:00 AM	10	2137962.09	64.4
6-Oct	6	57.3	47.6	66.3	62.9	60.3	57.8	56.4	52.4	50.1		Sunday	10/06/02	5:00 AM	10	5370317.964	64.4
6-Oct	7	60.8	54.5	68.4	65.3	62.9	61.2	60.4	58.2	56.8		Sunday	10/06/02	6:00 AM	10	12022644.35	64.4
6-Oct	8	60.4	52.7	68.8	64.9	62.2	60.8	60.1	57.9	54.2		Sunday	10/06/02	7:00 AM	0	1096478.196	64.4
6-Oct	9	56.5	51	71.9	59.7	58.1	56.8	56	54.1	52.2		Sunday	10/06/02	8:00 AM	0	446683.5922	64.4
6-Oct	10	56.7	52.3	69	60.4	58	57	56.4	54.6	53.2		Sunday	10/06/02	9:00 AM	0	467735.1413	64.4
6-Oct	11	56	51.6	68.9	61.5	57.7	55.8	55.2	54.1	52.8		Sunday	10/06/02	10:00 AM	0	398107.1706	64.4
6-Oct	12	54.7	49.9	70.8	60.4	56.2	54.6	53.9	52.3	51		Sunday	10/06/02	11:00 AM	0	295120.9227	64.4
6-Oct	13	56.4	52.3	71.4	62.4	58.1	56.3	55.6	53.8	53		Sunday	10/06/02	12:00 PM	0	436515.8322	64.4
6-Oct	14	58.7	52.1	72.6	63.7	60.4	58.9	58.3	55.5	54		Sunday	10/06/02	1:00 PM	0	741310.2413	64.4
6-Oct	15	61.2	55.5	76.8	66.6	62.5	61.3	60.7	58.7	56.7		Sunday	10/06/02	2:00 PM	0	1318256.739	64.4
6-Oct	16	60.2	56.5	66.4	62.9	61.6	60.5	59.9	58.4	57.3		Sunday	10/06/02	3:00 PM	0	1047128.548	64.4
6-Oct	17	60.2	52	73.9	65.4	61.9	60.4	59.6	57.5	54.5		Sunday	10/06/02	4:00 PM	0	1047128.548	64.4
6-Oct	18	59.1	52.3	69.4	62.6	60.8	59.6	59	56.9	54		Sunday	10/06/02	5:00 PM	0	812830.5162	64.4
6-Oct	19	59.7	54.8	74.2	64.3	61.4	59.9	59.2	57.4	56.2		Sunday	10/06/02	6:00 PM	0	933254.3008	64.4
6-Oct	20	58.1	52.8	76	62.9	59.8	58.4	57.6	55.6	54.1		Sunday	10/06/02	7:00 PM	0	645654.229	64.4
6-Oct	21	56.1	51.3	65.5	60.9	57.9	56.5	55.7	53.4	52.1		Sunday	10/06/02	8:00 PM	0	407380.2778	64.4
6-Oct	22	57.2	53	76.8	63.3	59.3	57.8	57.2	55.2	53.9		Sunday	10/06/02	9:00 PM	0	524807.4602	64.4
6-Oct	23	56.4	52.2	72.9	62.6	57.5	56.3	55.7	54.3	53.3		Sunday	10/06/02	10:00 PM	10	4365158.322	64.4
6-Oct	24	55.1	48.9	81.5	69	58.9	56.4	55.6	53.2	49		Sunday	10/06/02	11:00 PM	10	3235936.569	64.4
7-Oct	1	50.9	43.9	67	61.8	52.2	48.8	48.1	46	44.9		Monday	10/07/02	12:00 AM	10	1230268.771	62.6
7-Oct	2	49.4	44.6	57.6	53.2	51.1	49.7	48.9	47.1	46		Monday	10/07/02	1:00 AM	10	870963.59	62.6
7-Oct	3	50.2	41.1	64.5	56.7	51.8	47.9	48.3	46.1	44.7		Monday	10/07/02	2:00 AM	10	1047128.548	62.6
7-Oct	4	52.9	46.3	62	58.5	56.1	54	52.7	49.6	47.7		Monday	10/07/02	3:00 AM	10	1949844.6	62.6
7-Oct	5	52	43.6	63.2	57.9	54.8	52.7	51.1	46.8	44.8		Monday	10/07/02	4:00 AM	10	1584893.192	62.6
7-Oct	6	57.5	51.9	84.7	61.7	58.6	56.5	55.6	53.9	52.8		Monday	10/07/02	5:00 AM	10	5623413.252	62.6
7-Oct	7	55.7	52.6	77.4	60.8	56.9	55.7	55.2	54.1	53.1		Monday	10/07/02	6:00 AM	10	3715352.291	62.6
7-Oct	8	56.7	52.5	69.1	60.9	58.4	57	56.3	54.4	53.2		Monday	10/07/02	7:00 AM	0	467735.1413	62.6
7-Oct	9	57.8	52.1	78.4	62.4	58.6	57.2	56.6	54.3	53.1		Monday	10/07/02	8:00 AM	0	602559.5861	62.6
7-Oct	10	54.1	48.9	64.8	58.9	56	54.5	53.4	51.1	50		Monday	10/07/02	9:00 AM	0	257039.5783	62.6
7-Oct	11	57.9	51.7	64	60.6	58.9	57.6	57	55.2	53.5		Monday	10/07/02	10:00 AM	0	616595.0019	62.6
7-Oct	12	58.4	52.5	70.5	63.7	60.3	58.7	57.9	55.4	53.6		Monday	10/07/02	11:00 AM	0	691830.9709	62.6
7-Oct	13	61.2	54.3	80.3	67.3	63.6	61.4	60.1	57.1	55.3		Monday	10/07/02	12:00 PM	0	1318256.739	62.6
7-Oct	14	59.9	54.9	73.5	64.7	61.5	60.1	59.5	57.6	56.1		Monday	10/07/02	1:00 PM	0	977237.221	62.6
7-Oct	15	60.4	55.9	74.3	63.9	61.8	60.7	60.1	58.6	56.9		Monday	10/07/02	2:00 PM	0	1096478.196	62.6
7-Oct	16	62.3	57.4	76.6	65.6	62.9	61.9	61.5	58.9	58.6		Monday	10/07/02	3:00 PM	0	1698243.652	62.6
7-Oct	17	63.6	57.8	86.9	72.8	63.8	62	61.5	59.8	58.6		Monday	10/07/02	4:00 PM	0	2290867.653	62.6
7-Oct	18	61.2	54.5	68.4	66	62.9	61.2	60.4	58.2	56.8		Monday	10/07/02	5:00 PM	0	1318256.739	62.6
7-Oct	19	62	55.8	84.9	68.5	62.7	61.4	60.7	58.2	56.5		Monday	10/07/02	6:00 PM	0	1584893.192	62.6
7-Oct	20	63.8	53.1	74.1	69	66.2	64.4	63.1	57.8	55.1		Monday	10/07/02	7:00 PM	0	2398832.919	62.6
7-Oct	21	60.9	50.1	73.2	68.9	64.7	55.9	54.5	53.2	51.1		Monday	10/07/02	8:00 PM	0	1230268.771	62.6
7-Oct	22	56.7	49.1	71.5	64.5	59.4	56.1	55.1	52.8	50.6		Monday	10/07/02	9:00 PM	0	467735.1413	62.6
7-Oct	23	57	51.9	79.4	64.1	58.4	56.6	55.9	54	52.9		Monday	10/07/02	10:00 PM	10	5011872.336	62.6
7-Oct	24	57.3	51.3	75.5	66	58.4	56.7	55.9	54.1	52.5		Monday	10/07/02	11:00 PM	10	5370317.964	62.6
																Overall Ldn	63.8

* Hour 7 of Oct. 5 data was estimated on hour 6 due to a lack of data for that hour.

Location D

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
19-Sep	1	58.4	48.9	76.8	69.7	61.3	54.5	53	50.6	49.6		Thursday	09/19/02	12:00 AM	10	6918309.709	73.1
19-Sep	2	56.9	46	77.5	69.1	58.8	51.1	50.2	48.1	46.5		Thursday	09/19/02	1:00 AM	10	4897788.194	73.1
19-Sep	3	58.3	46.8	81.6	70.1	60.7	52.6	51.1	49.2	48		Thursday	09/19/02	2:00 AM	10	6760829.754	73.1
19-Sep	4	62.8	48.3	84.2	72.8	66.6	58.6	55.3	50.6	49.1		Thursday	09/19/02	3:00 AM	10	19054607.18	73.1
19-Sep	5	68.1	48.4	97.8	75.9	70.5	65.6	62.1	53.7	50		Thursday	09/19/02	4:00 AM	10	64565422.9	73.1
19-Sep	6	69.1	53.4	84	77.5	72.3	68.9	66.9	59.4	55.7		Thursday	09/19/02	5:00 AM	10	81283051.62	73.1
19-Sep	7	71.4	52.5	99.7	78.6	72.6	69.7	68	61.1	55		Thursday	09/19/02	6:00 AM	10	138038426.5	73.1
19-Sep	8	68.3	50.3	84.5	76.1	71.8	68.4	66.1	57.6	52.4		Thursday	09/19/02	7:00 AM	0	6760829.754	73.1
19-Sep	9	68.4	51	89.8	76.8	71.7	68.1	65.7	58	53.4		Thursday	09/19/02	8:00 AM	0	6918309.709	73.1
19-Sep	10	68.8	53.1	86.3	77.3	72	68.5	66.4	59.3	55.9		Thursday	09/19/02	9:00 AM	0	7585775.75	73.1
19-Sep	11	71.7	52.5	102.4	76.5	72.2	68.8	66.6	58.7	54.9		Thursday	09/19/02	10:00 AM	0	14791083.88	73.1
19-Sep	12	68	50.9	84.7	76	71.6	68.1	65.8	57	53		Thursday	09/19/02	11:00 AM	0	6309573.445	73.1
19-Sep	13	73	51.6	100.6	78.6	72	68.3	66.1	57.9	53.4		Thursday	09/20/02	12:00 PM	0	19952623.15	73.1
19-Sep	14	68.5	52.3	84.3	76.2	71.7	68.5	66.7	59.1	55		Thursday	09/20/02	1:00 PM	0	7079457.844	73.1
19-Sep	15	68.8	53.8	87	76.6	72	68.8	66.9	59.8	55.7		Thursday	09/20/02	2:00 PM	0	7585775.75	73.1
19-Sep	16	70.3	54	94.9	77.6	72.6	69.8	68.2	62.6	58.3		Thursday	09/20/02	3:00 PM	0	10715193.05	73.1
19-Sep	17	69.1	51.7	90.2	76.6	72	69.1	67.3	59.6	55.2		Thursday	09/20/02	4:00 PM	0	8128305.162	73.1
19-Sep	18	69.4	53.4	95.4	76.7	71.9	68.6	66.8	59.8	55.4		Thursday	09/20/02	5:00 PM	0	8709635.9	73.1
19-Sep	19	67.7	51	85.7	75.5	71.2	67.8	65.5	57.4	53.4		Thursday	09/20/02	6:00 PM	0	5888436.554	73.1
19-Sep	20	69.5	52.4	103.2	75.1	70.8	67.1	64.6	57.1	54.1		Thursday	09/20/02	7:00 PM	0	8912509.381	73.1
19-Sep	21	71.4	50.2	97.9	76.9	70.6	66.7	63.8	55.8	52.2		Thursday	09/20/02	8:00 PM	0	13803842.65	73.1
19-Sep	22	65	47.9	81.1	73.5	69.4	64.3	60.7	51.9	49.2		Thursday	09/20/02	9:00 PM	0	3162277.66	73.1
19-Sep	23	63.1	46.2	80	73.1	67.7	60.4	56.2	50	48		Thursday	09/20/02	10:00 PM	10	20417379.45	73.1
19-Sep	24	60.1	49.4	77.9	70.9	64.3	55.2	52.7	50.7	50.1		Thursday	09/20/02	11:00 PM	10	10232929.92	73.1
20-Sep	1	59.5	48.9	79	70.8	63.1	54	52	50.2	49.2		Friday	09/20/02	12:00 AM	10	8912509.381	72.9
20-Sep	2	59.6	46.9	83.1	70.9	62.8	55.1	52	49.1	47.5		Friday	09/20/02	1:00 AM	10	9120108.394	72.9
20-Sep	3	59.9	49.3	79.2	71.4	62.5	55.4	54	51.3	50.1		Friday	09/20/02	2:00 AM	10	9772372.21	72.9
20-Sep	4	62.5	48.6	82.1	73.4	66.4	58.2	55.2	51.6	49.4		Friday	09/20/02	3:00 AM	10	17782794.1	72.9
20-Sep	5	66.3	48.3	84.1	75.2	70.3	65.5	61.7	53	49.9		Friday	09/20/02	4:00 AM	10	42657951.88	72.9
20-Sep	6	69.3	50.6	88	78.3	72.6	69	66.5	58.1	53.1		Friday	09/20/02	5:00 AM	10	85113803.82	72.9
20-Sep	7	69.3	54	88.5	76.9	72.4	69.4	67.6	60.3	56		Friday	09/20/02	6:00 AM	10	85113803.82	72.9
20-Sep	8	68.7	53.3	85.1	76.8	72.1	68.6	66.3	58.7	55.4		Friday	09/20/02	7:00 AM	0	7413102.413	72.9
20-Sep	9	68.4	51.8	86.2	76.6	71.9	68.5	66.1	58.3	54		Friday	09/20/02	8:00 AM	0	6918309.709	72.9
20-Sep	10	68.2	51.2	91.4	76.7	71.6	68	65.6	56.9	53.1		Friday	09/20/02	9:00 AM	0	6606934.48	72.9
20-Sep	11	71.9	51.4	99.4	79.4	72.6	68.6	66.2	57.8	53.6		Friday	09/20/02	10:00 AM	0	15488166.19	72.9
20-Sep	12	67.7	49.9	83.2	75.2	71.3	67.9	65.7	57.7	52.7		Friday	09/20/02	11:00 AM	0	5888436.554	72.9
20-Sep	13	68.4	51.4	83.8	76.3	71.9	68.4	66.2	57.8	53.9		Friday	09/21/02	12:00 PM	0	6918309.709	72.9
20-Sep	14	70.6	54.5	97.8	78.6	72.3	69.1	67.4	60.4	56.5		Friday	09/21/02	1:00 PM	0	11481536.21	72.9
20-Sep	15	69.8	53.4	90.7	77.9	72.7	69.6	67.8	60.9	56.6		Friday	09/21/02	2:00 PM	0	9549925.86	72.9
20-Sep	16	72.3	53.3	104.2	77.3	72.6	69.7	68.1	62.3	57		Friday	09/21/02	3:00 PM	0	16982436.52	72.9
20-Sep	17	71.9	54.4	103.4	76.9	72.2	69.3	67.6	61.6	56.9		Friday	09/21/02	4:00 PM	0	15488166.19	72.9
20-Sep	18	72.6	53.6	101.8	78.6	71.8	68.8	67	60	55.5		Friday	09/21/02	5:00 PM	0	18197008.59	72.9
20-Sep	19	67.7	52.9	84.2	75	71.1	67.9	65.9	59.5	55.9		Friday	09/21/02	6:00 PM	0	5888436.554	72.9
20-Sep	20	67.1	53.7	79.8	74.6	70.8	67.2	64.8	58.4	55.8		Friday	09/21/02	7:00 PM	0	5128613.84	72.9
20-Sep	21	70.3	54.2	99.3	76.2	70.8	67	64.4	57.8	55.3		Friday	09/21/02	8:00 PM	0	10715193.05	72.9
20-Sep	22	66.5	54.2	85.4	74.5	70.2	66.2	63.9	58.2	55.9		Friday	09/21/02	9:00 PM	0	4466835.922	72.9
20-Sep	23	65.3	53.5	82.7	74	69.1	63.9	61	56.4	54.4		Friday	09/21/02	10:00 PM	10	33884415.61	72.9
20-Sep	24	63.9	52.3	85.3	72.8	67.7	61.9	59.6	55.5	53.5		Friday	09/21/02	11:00 PM	10	24547089.16	72.9
21-Sep	1	62	49.9	80.8	72.3	66	59.1	56.7	53.1	51.3		Saturday	09/21/02	12:00 AM	10	15848931.92	74.4
21-Sep	2	61	50.5	79.5	71.6	65	57.3	55	52.2	51.1		Saturday	09/21/02	1:00 AM	10	12589254.12	74.4
21-Sep	3	61.4	52	82.5	70.9	64.5	59.4	57.7	54.4	53		Saturday	09/21/02	2:00 AM	10	13803842.65	74.4
21-Sep	4	62.2	51.9	79.7	71.6	65.3	60.8	59.3	56	53.7		Saturday	09/21/02	3:00 AM	10	16595869.07	74.4
21-Sep	5	70.3	51.9	103.1	75.7	68	62.3	59.8	55.5	53.2		Saturday	09/21/02	4:00 AM	10	107151930.5	74.4
21-Sep	6	67.9	56.9	84.7	75.9	71	67.6	65.7	61.6	59.3		Saturday	09/21/02	5:00 AM	10	61659500.19	74.4
21-Sep	7	67	50.5	81.9	75.2	70.6	66.9	64.5	57.5	53.3		Saturday	09/21/02	6:00 AM	10	50118723.36	74.4
21-Sep	8	67.8	48.8	92.5	75.6	71.4	67.9	65.5	57.1	51.5		Saturday	09/21/02	7:00 AM	0	6025595.861	74.4
21-Sep	9	71.9	50.2	104.1	77.7	71.8	68.4	66.2	58.7	53.6		Saturday	09/21/02	8:00 AM	0	15488166.19	74.4
21-Sep	10	68.5	51.3	82.5	76.1	71.8	68.6	66.5	59.5	55.4		Saturday	09/21/02	9:00 AM	0	7079457.844	74.4

Location E

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
21-Sep	11	69.1	53.6	90.6	77	71.9	68.8	66.7	59.3	55.4		Saturday	09/21/02	10:00 AM	0	8128305.162	74.4
21-Sep	12	68.4	52.4	84.4	75.9	71.9	68.6	66.4	59	54.8		Saturday	09/21/02	11:00 AM	0	6918309.709	74.4
21-Sep	13	68.1	52.4	82.5	75.6	71.8	68.3	65.9	57.9	54.2		Saturday	09/22/02	12:00 PM	0	6456542.29	74.4
21-Sep	14	68.9	51.1	92.8	76.3	71.7	68.4	66.2	58.4	53.8		Saturday	09/22/02	1:00 PM	0	7762471.166	74.4
21-Sep	15	69.3	53.2	84.6	76.4	72.6	69.5	67.8	61.4	57		Saturday	09/22/02	2:00 PM	0	8511380.382	74.4
21-Sep	16	68.2	51.4	87.8	75.5	71.6	68.5	66.5	59.1	54.6		Saturday	09/22/02	3:00 PM	0	6606934.48	74.4
21-Sep	17	69.8	53.2	101	76.9	71.7	68.5	66.5	58.8	55.4		Saturday	09/22/02	4:00 PM	0	9549925.86	74.4
21-Sep	18	73.3	53	102.9	83.3	71.5	68.3	66.3	58.9	54.8		Saturday	09/22/02	5:00 PM	0	21379620.9	74.4
21-Sep	19	73.4	50.9	103.6	78.8	71.4	67.7	65.4	57.3	53.3		Saturday	09/22/02	6:00 PM	0	21877616.24	74.4
21-Sep	20	66.8	51.5	81.5	74.5	70.7	67	64.2	56.5	53.1		Saturday	09/22/02	7:00 PM	0	4786300.923	74.4
21-Sep	21	66.8	53	84.7	74.3	70.5	66.9	64.4	57.4	54.3		Saturday	09/22/02	8:00 PM	0	4786300.923	74.4
21-Sep	22	66.7	53.9	86.7	74.3	70.5	66.6	63.8	57.4	55.1		Saturday	09/22/02	9:00 PM	0	4677351.413	74.4
21-Sep	23	73.3	51.8	104.5	74.9	69.5	64.7	61.4	55	53.1		Saturday	09/22/02	10:00 PM	10	213796209	74.4
21-Sep	24	63.6	51.3	81	72.9	67.8	61.9	58.6	54.2	52.3		Saturday	09/22/02	11:00 PM	10	22908676.53	74.4
22-Sep	1	63	48.2	81.1	72.7	67.1	61	58.5	52.4	49.5		Sunday	09/22/02	12:00 AM	10	19952623.15	71.9
22-Sep	2	61.7	47.4	86.3	72.1	64.9	57.7	55.2	50.9	48.7		Sunday	09/22/02	1:00 AM	10	14791083.88	71.9
22-Sep	3	59.4	48.7	82.9	70.9	62.1	54.9	53.4	50.8	49.5		Sunday	09/22/02	2:00 AM	10	8709635.9	71.9
22-Sep	4	69.6	48.4	98.9	73	63.9	56.3	54.1	51.2	50		Sunday	09/22/02	3:00 AM	10	91201083.94	71.9
22-Sep	5	63.1	49.2	84.2	72.8	67	59.9	57.3	53.3	50.7		Sunday	09/22/02	4:00 AM	10	20417379.45	71.9
22-Sep	6	65.1	50	91.3	73.9	69	63	59.5	53.6	51.3		Sunday	09/22/02	5:00 AM	10	32359365.69	71.9
22-Sep	7	66.2	47.6	94.1	74.2	69.8	65.1	61.4	54.3	49.9		Sunday	09/22/02	6:00 AM	10	41686938.35	71.9
22-Sep	8	70	47.7	96.9	76.2	70.9	67	63.9	54.1	49.6		Sunday	09/22/02	7:00 AM	0	10000000	71.9
22-Sep	9	66.7	49.4	82.9	74.5	70.6	66.9	64.1	55.2	51		Sunday	09/22/02	8:00 AM	0	4677351.413	71.9
22-Sep	10	68	48.9	88.6	75.7	71.5	68.1	65.8	57.6	53		Sunday	09/22/02	9:00 AM	0	6309573.445	71.9
22-Sep	11	71.5	50	100.7	76.4	71.1	67.5	65	56.2	51.7		Sunday	09/22/02	10:00 AM	0	14125375.45	71.9
22-Sep	12	71.9	49.5	100	77.1	72	68.4	66.2	57.3	52		Sunday	09/22/02	11:00 AM	0	15488166.19	71.9
22-Sep	13	68.2	50.7	95.1	75.6	71.3	67.8	65.3	56.7	52.4		Sunday	09/23/02	12:00 PM	0	6606934.48	71.9
22-Sep	14	67.9	52.9	84.2	75.6	71.4	68.1	65.9	57.3	54.3		Sunday	09/23/02	1:00 PM	0	6165950.019	71.9
22-Sep	15	67.6	51.5	84.3	75	71.2	67.8	65.4	57.3	53.2		Sunday	09/23/02	2:00 PM	0	5754399.373	71.9
22-Sep	16	69.1	50.5	101.2	75.9	71.2	67.6	65.3	57	53.1		Sunday	09/23/02	3:00 PM	0	8128305.162	71.9
22-Sep	17	67.1	49	82.3	75.5	70.8	67.1	64.5	55.8	51.9		Sunday	09/23/02	4:00 PM	0	5128613.84	71.9
22-Sep	18	67.5	50.8	86	74.9	71	67.7	65.4	57.8	53.4		Sunday	09/23/02	5:00 PM	0	5623413.252	71.9
22-Sep	19	67.6	54.2	85	74.8	70.8	67.7	65.8	59.8	56.4		Sunday	09/23/02	6:00 PM	0	5754399.373	71.9
22-Sep	20	67.7	52.6	93.7	75.8	70.7	66.7	63.9	57	54.1		Sunday	09/23/02	7:00 PM	0	5888436.554	71.9
22-Sep	21	65.9	52.2	83.9	74.3	69.8	65.2	62.1	55.7	53.6		Sunday	09/23/02	8:00 PM	0	3890451.45	71.9
22-Sep	22	64.7	52.5	82.4	73.5	68.9	63.7	60.1	55.4	53.5		Sunday	09/23/02	9:00 PM	0	2951209.227	71.9
22-Sep	23	63.2	51.3	81.4	72.4	67	61.2	59.1	55.1	52.9		Sunday	09/23/02	10:00 PM	10	20892961.31	71.9
22-Sep	24	60.9	48.3	81.4	71.4	64	58.4	56.5	51.6	49.8		Sunday	09/23/02	11:00 PM	10	12302687.71	71.9
23-Sep	1	60	47.5	77.5	70.9	62.9	57.2	55.1	50.7	48.5		Monday	09/23/02	12:00 AM	10	10000000	75.8
23-Sep	2	59.6	48.2	79.1	70	61.8	57.8	56.1	52.2	49.7		Monday	09/23/02	1:00 AM	10	9120108.394	75.8
23-Sep	3	59.7	49.4	79.9	70.5	61.8	56.9	55.7	52.6	50.7		Monday	09/23/02	2:00 AM	10	9332543.008	75.8
23-Sep	4	65.4	51.6	93.1	73.2	67.4	62.1	59.8	56.1	53.3		Monday	09/23/02	3:00 AM	10	34673685.05	75.8
23-Sep	5	73.2	55.4	104	77.1	70.3	65.8	63.1	59.3	57.1		Monday	09/23/02	4:00 AM	10	208929613.1	75.8
23-Sep	6	71.9	57.8	100	79.1	72.7	69.2	67	61	59		Monday	09/23/02	5:00 AM	10	154881661.9	75.8
23-Sep	7	74.6	56.9	106.4	82.9	73.1	70.1	68.3	61.8	58.7		Monday	09/23/02	6:00 AM	10	288403150.3	75.8
23-Sep	8	68.6	56.3	87	76.5	71.7	68.5	66.6	60.7	58.2		Monday	09/23/02	7:00 AM	0	7244359.601	75.8
23-Sep	9	71.5	52.9	102.1	77	71.3	68	66	59	54.7		Monday	09/23/02	8:00 AM	0	14125375.45	75.8
23-Sep	10	68.4	52.7	82.4	76.1	71.5	68.6	66.7	60.2	56.8		Monday	09/23/02	9:00 AM	0	6918309.709	75.8
23-Sep	11	73.1	51.9	105.3	78.7	71.8	68.4	66.3	59.1	54.5		Monday	09/23/02	10:00 AM	0	20417379.45	75.8
23-Sep	12	69	52.7	92.8	77.9	71.8	68.2	66.1	58.1	54.1		Monday	09/23/02	11:00 AM	0	7943282.347	75.8
23-Sep	13	69.7	54.1	93.4	77.8	72.5	69.3	67.5	60.6	56.4		Monday	09/24/02	12:00 PM	0	9332543.008	75.8
23-Sep	14	69	53.7	85.4	77	72.1	68.9	67.2	60.5	56		Monday	09/24/02	1:00 PM	0	7943282.347	75.8
23-Sep	15	71.9	53.8	101	79.1	72.3	69.3	67.6	61.5	57.8		Monday	09/24/02	2:00 PM	0	15488166.19	75.8
23-Sep	16	72.4	53.1	99	80.7	72.4	69.4	67.7	61	56.1		Monday	09/24/02	3:00 PM	0	17378008.29	75.8
23-Sep	17	68.4	54.3	81.9	75.4	71.5	68.6	67.1	61.5	57.4		Monday	09/24/02	4:00 PM	0	6918309.709	75.8
23-Sep	18	67.9	54.9	83.6	74.9	71.2	68.3	66.4	60.6	57.4		Monday	09/24/02	5:00 PM	0	6165950.019	75.8
23-Sep	19	68.7	53.3	94.3	75.5	70.7	67	64.5	58.2	55.6		Monday	09/24/02	6:00 PM	0	7413102.413	75.8
23-Sep	20	67.1	52.4	86.4	75.1	70.7	66.7	64.1	57.8	54.5		Monday	09/24/02	7:00 PM	0	5128613.84	75.8

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
23-Sep	21	65.9	51.5	84.2	74.2	69.7	65.4	62.2	55.1	52.7		Monday	09/24/02	8:00 PM	0	3890451.45	75.8
23-Sep	22	74.1	51.5	108.8	76.3	68.8	63.3	60.1	55.2	53.2		Monday	09/24/02	9:00 PM	0	25703957.83	75.8
23-Sep	23	62.2	48.3	79	71.8	66.2	60	58	53.1	50.1		Monday	09/24/02	10:00 PM	10	16595869.07	75.8
23-Sep	24	60.8	48.8	81.4	71.5	64	58	56.1	52.1	50.1		Monday	09/24/02	11:00 PM	10	12022644.35	75.8
24-Sep	1	60.8	48.6	82.5	70.1	63.6	59.4	57.7	53.2	50.2		Tuesday	09/24/02	12:00 AM	10	12022644.35	73.4
24-Sep	2	60.5	49.4	77.5	70.5	63.2	59.2	57.3	53.1	50.7		Tuesday	09/24/02	1:00 AM	10	11220184.54	73.4
24-Sep	3	60.4	49.8	77.2	71.3	63.4	57.6	55.4	52.2	50.6		Tuesday	09/24/02	2:00 AM	10	10964781.96	73.4
24-Sep	4	64.3	50.6	81.6	73.4	67.6	63.2	61.4	55	51.6		Tuesday	09/24/02	3:00 AM	10	26915348.04	73.4
24-Sep	5	66.6	53.7	80.9	75.1	70.6	65.8	63	57.2	54.8		Tuesday	09/24/02	4:00 AM	10	45708818.96	73.4
24-Sep	6	69	57.8	84	76.9	72.3	69.1	67	61	58.7		Tuesday	09/24/02	5:00 AM	10	79432823.47	73.4
24-Sep	7	69.8	55.8	86.5	77	72.7	70	68.3	62.4	58.2		Tuesday	09/24/02	6:00 AM	10	95499258.6	73.4
24-Sep	8	68.1	52.8	82.2	75.8	71.6	68.2	65.9	59.2	55.6		Tuesday	09/24/02	7:00 AM	0	6456542.29	73.4
24-Sep	9	67.8	53.1	81.6	75	71.3	68.1	65.8	59.1	55.1		Tuesday	09/24/02	8:00 AM	0	6025595.861	73.4
24-Sep	10	68.1	52.8	85.3	75.8	71.4	68.1	66.2	59.2	54.9		Tuesday	09/24/02	9:00 AM	0	6456542.29	73.4
24-Sep	11	68.3	53	88.1	76.4	71.7	68	65.8	58.6	54.6		Tuesday	09/24/02	10:00 AM	0	6760829.754	73.4
24-Sep	12	67.8	50.9	83.9	75.7	71.4	67.8	65.6	58.1	53.8		Tuesday	09/24/02	11:00 AM	0	6025595.861	73.4
24-Sep	13	68.3	52.5	84.9	76.4	71.8	68.4	66.1	59	54.8		Tuesday	09/25/02	12:00 PM	0	6760829.754	73.4
24-Sep	14	69.4	51.8	86.6	77.7	72.5	69.1	67.2	59.6	54.2		Tuesday	09/25/02	1:00 PM	0	8709635.9	73.4
24-Sep	15	69.9	54.7	92	79.3	72.4	69.1	67.4	61	57.2		Tuesday	09/25/02	2:00 PM	0	9772372.21	73.4
24-Sep	16	69.8	55.9	87.6	76.7	72.9	69.9	68.2	62.3	58.2		Tuesday	09/25/02	3:00 PM	0	9549925.86	73.4
24-Sep	17	68.8	53.5	87.7	75.6	71.8	69.2	67.5	61	56.7		Tuesday	09/25/02	4:00 PM	0	7585775.75	73.4
24-Sep	18	68.3	52	90.4	75.8	71.2	68.4	66.5	58.9	55		Tuesday	09/25/02	5:00 PM	0	6760829.754	73.4
24-Sep	19	70.7	51.6	101.1	75.8	71	67.4	65	56.9	53.3		Tuesday	09/25/02	6:00 PM	0	11748975.55	73.4
24-Sep	20	67	50.3	82.5	74.6	70.7	67.1	64.7	56.5	52.2		Tuesday	09/25/02	7:00 PM	0	5011872.336	73.4
24-Sep	21	66	50.7	83	74.5	69.8	65.6	62.5	54.8	52		Tuesday	09/25/02	8:00 PM	0	3981071.706	73.4
24-Sep	22	64.5	48.3	82.6	73.5	69	62.9	59.2	52.7	49.8		Tuesday	09/25/02	9:00 PM	0	2818382.931	73.4
24-Sep	23	65.1	47.2	96.2	73.6	67	59.5	55.5	49.8	48.2		Tuesday	09/25/02	10:00 PM	10	32359365.69	73.4
24-Sep	24	70.5	47.1	101.3	74.5	63.4	54.7	52.4	49.3	48.1		Tuesday	09/25/02	11:00 PM	10	112201845.4	73.4
25-Sep	1	58.4	47.6	79.1	69.8	61.6	53.6	51.8	49.1	48.1		Wednesday	09/25/02	12:00 AM	10	6918309.709	72.4
25-Sep	2	59.4	47.7	77.7	70.3	62.1	56.7	54.5	50.9	49.2		Wednesday	09/25/02	1:00 AM	10	8709635.9	72.4
25-Sep	3	59.9	48.6	79	70.5	62.5	57.7	55.9	51.3	49.6		Wednesday	09/25/02	2:00 AM	10	9772372.21	72.4
25-Sep	4	63	49.1	81.4	73.3	67.4	59.3	56.3	51.8	50.1		Wednesday	09/25/02	3:00 AM	10	19952623.15	72.4
25-Sep	5	66.1	53.5	87.1	74.6	70	65	61.8	57.1	55.3		Wednesday	09/25/02	4:00 AM	10	40738027.78	72.4
25-Sep	6	69	53.2	88	77.6	72.2	68.9	66.5	57.9	55		Wednesday	09/25/02	5:00 AM	10	79432823.47	72.4
25-Sep	7	69.5	55.5	88.6	77.1	72.6	69.5	67.7	60.7	57.4		Wednesday	09/25/02	6:00 AM	10	89125093.81	72.4
25-Sep	8	68.6	52.4	88.2	76.4	71.9	68.4	66.2	58.2	54.9		Wednesday	09/25/02	7:00 AM	0	7244359.601	72.4
25-Sep	9	73	55.8	90.2	82.2	76.7	71.6	69.5	62.1	58.3		Wednesday	09/25/02	8:00 AM	0	19952623.15	72.4
25-Sep	10	70.8	50.1	86.9	82	73.5	68.8	66.2	58.2	54.2		Wednesday	09/25/02	9:00 AM	0	12022644.35	72.4
25-Sep	11	68.2	50.5	84	76	71.6	68.2	66.1	59.2	53.6		Wednesday	09/25/02	10:00 AM	0	6606934.48	72.4
25-Sep	12	69.1	51.7	97.4	77.1	71.8	68.3	66.1	58.8	54.2		Wednesday	09/25/02	11:00 AM	0	8128305.162	72.4
25-Sep	13	68.8	53.2	86	76.9	72	68.8	66.9	59.7	55.5		Wednesday	01/00/00	12:00 PM	0	7585775.75	72.4
25-Sep	14	69.8	54.1	90.3	77.3	72.6	69.5	67.8	61.8	57.3		Wednesday	01/00/00	1:00 PM	0	9549925.86	72.4
25-Sep	15	70.4	56.2	84.8	79.3	73.2	69.9	68.2	62.8	58.8		Wednesday	01/00/00	2:00 PM	0	10964781.96	72.4
25-Sep	16	69.3	54.6	89.7	76	72.3	69.5	68	62.3	58		Wednesday	01/00/00	3:00 PM	0	8511380.382	72.4
25-Sep	17	71.9	54.8	99.4	77.6	72.3	69.4	67.7	61.8	57.8		Wednesday	01/00/00	4:00 PM	0	15488166.19	72.4
25-Sep	18	68.3	51.6	85	75.5	71.6	68.7	66.8	59.1	54.3		Wednesday	01/00/00	5:00 PM	0	6760829.754	72.4
25-Sep	19	70.4	50.5	95.1	79.3	71.5	67.9	65.6	57.9	52.8		Wednesday	01/00/00	6:00 PM	0	10964781.96	72.4
25-Sep	20	67.9	49.1	93.8	75.6	70.7	66.9	64.2	55.9	52.1		Wednesday	01/00/00	7:00 PM	0	6165950.019	72.4
25-Sep	21	66.3	49	84.2	74.5	70.4	66	62.6	54.1	50.9		Wednesday	01/00/00	8:00 PM	0	4265795.188	72.4
25-Sep	22	64.4	46	79.3	73.3	68.8	63.3	59.5	51	47.5		Wednesday	01/00/00	9:00 PM	0	2754228.703	72.4
25-Sep	23	62.4	46.1	82.2	72.6	66.8	58.7	54.6	48.6	47.1		Wednesday	01/00/00	10:00 PM	10	17378008.29	72.4
25-Sep	24	60	45.8	81	71.4	63.3	55.4	52.5	49.6	46.8		Wednesday	01/00/00	11:00 PM	10	10000000	72.4
																Overall Ldn:	73.6

Location E

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
1-Oct	14	70.4	65.2	79.5	74.6	72	70.6	69.9	68.3	66.9		Tuesday	10/01/02	1:00 PM	0	10964781.96	69.9
1-Oct	15	70.5	65.6	79.5	74.5	72.1	70.8	70.2	68.3	67		Tuesday	10/01/02	2:00 PM	0	11220184.54	69.9
1-Oct	16	70.3	65.3	86.2	74.9	72	70.6	69.9	67.8	66.4		Tuesday	10/01/02	3:00 PM	0	10715193.05	69.9
1-Oct	17	69.3	63.8	85.4	74.1	71.1	69.6	68.8	66.7	65.1		Tuesday	10/01/02	4:00 PM	0	8511380.382	69.9
1-Oct	18	68.9	63.6	81	73.8	70.8	69.1	68.3	66.3	65.1		Tuesday	10/01/02	5:00 PM	0	7762471.166	69.9
1-Oct	19	69.1	63.6	81.5	73.8	70.9	69.4	68.6	66.5	65.1		Tuesday	10/01/02	6:00 PM	0	8128305.162	69.9
1-Oct	20	69.1	64.1	82.8	72.9	70.8	69.4	68.7	66.8	65.4		Tuesday	10/01/02	7:00 PM	0	8128305.162	69.9
1-Oct	21	68.4	62.4	79.4	72.8	70.2	68.7	67.9	65.9	64.1		Tuesday	10/01/02	8:00 PM	0	6918309.709	69.9
1-Oct	22	67.7	62.2	83.9	72	69.6	68	67.2	65.1	63.6		Tuesday	10/01/02	9:00 PM	0	5888436.554	69.9
1-Oct	23	65.4	58.3	79.4	70.9	67.7	65.6	64.6	62	60.1		Tuesday	10/01/02	10:00 PM	10	34673685.05	69.9
1-Oct	24	63	55	78.5	68.8	65.5	63.1	61.9	58.7	56.5		Tuesday	10/01/02	11:00 PM	10	19952623.15	69.9
2-Oct	1	61.3	50.1	78.7	67.6	63.9	61.4	60.1	56.7	53.5		Wednesday	10/02/02	12:00 AM	10	13489628.83	72.8
2-Oct	2	60.9	48.9	87.6	67.2	63.6	60.6	58.9	54.7	51.4		Wednesday	10/02/02	1:00 AM	10	12302687.71	72.8
2-Oct	3	60.4	47.7	73.9	66.8	63.4	60.5	59	55.3	52.2		Wednesday	10/02/02	2:00 AM	10	10964781.96	72.8
2-Oct	4	61.5	49.1	77	67.6	64	61.9	60.8	56.5	51.8		Wednesday	10/02/02	3:00 AM	10	14125375.45	72.8
2-Oct	5	63.7	53.4	76	68.8	66.2	64.1	63	59.7	56.7		Wednesday	10/02/02	4:00 AM	10	23442288.15	72.8
2-Oct	6	68.5	60.2	81.1	72.7	70.5	69.1	68.2	65.2	63		Wednesday	10/02/02	5:00 AM	10	70794578.44	72.8
2-Oct	7	70.3	66.4	80.7	74.7	71.7	70.4	69.8	68.4	67.4		Wednesday	10/02/02	6:00 AM	10	107151930.5	72.8
2-Oct	8	69.6	61.1	87.6	76.2	71.8	69.4	68.5	65.8	62.9		Wednesday	10/02/02	7:00 AM	0	9120108.394	72.8
2-Oct	9	69.1	58	87.3	76.5	72.3	68.6	67.1	63.3	60.5		Wednesday	10/02/02	8:00 AM	0	8128305.162	72.8
2-Oct	10	68.8	62.1	79.5	74.7	71	69	68.1	65.2	63.3		Wednesday	10/02/02	9:00 AM	0	7585775.75	72.8
2-Oct	11	69.3	63.2	82	75	71	69.5	68.7	66.5	65.2		Wednesday	10/02/02	10:00 AM	0	8511380.382	72.8
2-Oct	12	69.6	62.8	80.3	74.1	71.5	69.9	69.1	67	65		Wednesday	10/02/02	11:00 AM	0	9120108.394	72.8
2-Oct	13	70	63	83.9	74.9	71.8	70.2	69.4	67.3	65.6		Wednesday	10/02/02	12:00 PM	0	10000000	72.8
2-Oct	14	69.9	64.1	81.2	74.2	71.7	70.1	69.4	67.3	66		Wednesday	10/02/02	1:00 PM	0	9772372.21	72.8
2-Oct	15	71.2	65.8	82.8	75	72.9	71.5	70.8	68.8	67.3		Wednesday	10/02/02	2:00 PM	0	13182567.39	72.8
2-Oct	16	71	65.2	85.5	75.5	72.8	71.3	70.6	68.5	67.1		Wednesday	10/02/02	3:00 PM	0	12589254.12	72.8
2-Oct	17	69.6	58.6	88.7	74.5	71.6	70	69.1	66.3	63.2		Wednesday	10/02/02	4:00 PM	0	9120108.394	72.8
2-Oct	18	68.9	62.1	79.7	74.3	70.9	69.3	68.4	65.6	63.5		Wednesday	10/02/02	5:00 PM	0	7762471.166	72.8
2-Oct	19	69	58.3	81.9	73.7	71	69.6	68.7	64.8	61.2		Wednesday	10/02/02	6:00 PM	0	7943282.347	72.8
2-Oct	20	68.9	63.4	79.9	74.4	70.7	69.2	68.3	66.3	65		Wednesday	10/02/02	7:00 PM	0	7762471.166	72.8
2-Oct	21	68.1	62.6	84.7	72.7	69.9	68.3	67.5	65.4	63.5		Wednesday	10/02/02	8:00 PM	0	6456542.29	72.8
2-Oct	22	67.8	61.1	84.5	73.1	69.7	67.9	67.2	65	62.9		Wednesday	10/02/02	9:00 PM	0	6025595.861	72.8
2-Oct	23	66.6	60.3	75.6	71.9	69	67.2	66	62.9	61.3		Wednesday	10/02/02	10:00 PM	10	45708818.96	72.8
2-Oct	24	64.2	57.3	75.8	69.1	66.2	64.4	63.6	61.3	59.2		Wednesday	10/02/02	11:00 PM	10	26302679.92	72.8
3-Oct	1	64.3	57	78.6	68.8	66.3	64.6	63.8	61.5	59.7		Thursday	10/03/02	12:00 AM	10	26915348.04	74.0
3-Oct	2	64	56.8	74.3	68.2	65.9	64.4	63.6	61.4	59.3		Thursday	10/03/02	1:00 AM	10	25118864.32	74.0
3-Oct	3	64.2	56.4	72.2	69	66.2	64.6	63.7	61.3	59.1		Thursday	10/03/02	2:00 AM	10	26302679.92	74.0
3-Oct	4	64.1	56.8	76.5	68.6	66.1	64.5	63.7	61.2	58.8		Thursday	10/03/02	3:00 AM	10	25703957.83	74.0
3-Oct	5	66.4	59.4	74.5	70.5	68.6	67.1	66.1	62.9	61.1		Thursday	10/03/02	4:00 AM	10	43651583.22	74.0
3-Oct	6	70.4	64.9	76.5	73.7	72	70.9	70.2	68.1	66.3		Thursday	10/03/02	5:00 AM	10	109647819.6	74.0
3-Oct	7	71.9	68	82.7	75.4	73	72.1	71.6	70.2	69.1		Thursday	10/03/02	6:00 AM	10	154881661.9	74.0
3-Oct	8	70.5	62.4	88.2	77.6	72.9	70.7	69.2	65.6	63.7		Thursday	10/03/02	7:00 AM	0	11220184.54	74.0
3-Oct	9	70.3	64.4	87.4	76.9	72.7	70	69.1	67.1	65.6		Thursday	10/03/02	8:00 AM	0	10715193.05	74.0
3-Oct	10	69.6	64.1	82.7	76.6	71.7	69.3	68.4	66.4	65.2		Thursday	10/03/02	9:00 AM	0	9120108.394	74.0
3-Oct	11	69.4	63.9	86.4	75.4	70.8	69.4	68.7	66.8	65.4		Thursday	10/03/02	10:00 AM	0	8709635.9	74.0
3-Oct	12	68.5	61.6	80.1	73.7	70.4	68.7	68	65.9	64.1		Thursday	10/03/02	11:00 AM	0	7079457.844	74.0
3-Oct	13	69.3	62.5	84.9	74.5	71	69.6	68.8	66.5	65		Thursday	10/03/02	12:00 PM	0	8511380.382	74.0
3-Oct	14	69.2	63.2	79.6	74.2	70.9	69.5	68.8	67	65.4		Thursday	10/03/02	1:00 PM	0	8317637.711	74.0
3-Oct	15	69.8	64.2	81.8	74.6	71.6	70	69.3	67.2	65.4		Thursday	10/03/02	2:00 PM	0	9549925.86	74.0
3-Oct	16	69.9	62.7	87.9	74.9	71.6	70	69.3	67.2	65.6		Thursday	10/03/02	3:00 PM	0	9772372.21	74.0
3-Oct	17	69.7	59.2	90.1	74.8	71.6	69.9	69.1	65.8	63		Thursday	10/03/02	4:00 PM	0	9332543.008	74.0
3-Oct	18	67.3	58.4	83.7	73.8	69.7	67.5	66.4	62.8	60.3		Thursday	10/03/02	5:00 PM	0	5370317.964	74.0
3-Oct	19	67.5	59.3	84.7	73.5	69.8	67.7	66.7	63.4	61.1		Thursday	10/03/02	6:00 PM	0	5623413.252	74.0
3-Oct	20	68	62.1	87	72.9	69.8	68.2	67.4	65	63.4		Thursday	10/03/02	7:00 PM	0	6309573.445	74.0
3-Oct	21	67.2	59.5	83.5	71.8	69	67.4	66.7	64.3	62.1		Thursday	10/03/02	8:00 PM	0	5248074.602	74.0
3-Oct	22	66.8	59.5	78.7	72.7	68.8	66.9	66.1	63.8	61.8		Thursday	10/03/02	9:00 PM	0	4786300.923	74.0
3-Oct	23	65.9	58.6	83.5	71	68	66.1	65.2	62.4	60.5		Thursday	10/03/02	10:00 PM	10	38904514.5	74.0
3-Oct	24	65	59.8	83.3	70.3	66.9	65	64.3	62.2	60.9		Thursday	10/03/02	11:00 PM	10	31622776.6	74.0

Location F

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
4-Oct	1	64.2	57.9	77.9	69.5	66.2	64.4	63.6	61.3	59.5		Friday	10/04/02	12:00 AM	10	26302679.92	74.8
4-Oct	2	65.3	58.6	78.2	69.7	67.3	65.6	64.8	62.5	60.5		Friday	10/04/02	1:00 AM	10	33884415.61	74.8
4-Oct	3	65.5	58.3	78	69.9	67.5	65.9	65	62.7	60.9		Friday	10/04/02	2:00 AM	10	35481338.92	74.8
4-Oct	4	66.7	59.3	75.6	71.6	68.9	67.1	66.2	63.3	61		Friday	10/04/02	3:00 AM	10	46773514.13	74.8
4-Oct	5	68.8	60.6	76.6	72.4	70.7	69.4	68.6	65.8	63		Friday	10/04/02	4:00 AM	10	75857757.5	74.8
4-Oct	6	71.7	66.4	82.1	74.9	73.4	72.2	71.5	69.4	68		Friday	10/04/02	5:00 AM	10	147910838.8	74.8
4-Oct	7	72	66	84.4	76.5	73.8	72.7	72	68.4	67.1		Friday	10/04/02	6:00 AM	10	158489319.2	74.8
4-Oct	8	70.4	61.7	84.5	77.9	73.6	69.9	68.7	65.6	62.7		Friday	10/04/02	7:00 AM	0	10964781.96	74.8
4-Oct	9	70.1	61.9	84.9	77.7	73	69.5	68.2	65.4	63.2		Friday	10/04/02	8:00 AM	0	10232929.92	74.8
4-Oct	10	69.8	59.5	82.8	77.2	72.4	69.3	68.3	66	62.8		Friday	10/04/02	9:00 AM	0	9549925.86	74.8
4-Oct	11	68.5	61.3	83.9	74.4	70.1	68.5	67.8	66	64.2		Friday	10/04/02	10:00 AM	0	7079457.844	74.8
4-Oct	12	68.8	63.9	83.9	74	70.5	68.9	68.1	66.2	65		Friday	10/04/02	11:00 AM	0	7585775.75	74.8
4-Oct	13	69.2	61.3	86.8	73.8	70.9	69.4	68.6	66.6	64.8		Friday	10/04/02	12:00 PM	0	8317637.711	74.8
4-Oct	14	69.4	63.3	85.1	74.6	71	69.6	68.9	66.6	64.6		Friday	10/04/02	1:00 PM	0	8709635.9	74.8
4-Oct	15	69	63.5	79.1	74.2	70.9	69.3	68.5	66.2	64.6		Friday	10/04/02	2:00 PM	0	7943282.347	74.8
4-Oct	16	68.3	58.2	87.5	76	70.3	67.9	66.7	63.2	60.5		Friday	10/04/02	3:00 PM	0	6760829.754	74.8
4-Oct	17	67.6	56.5	88.5	76	69.7	67.1	65.9	61.8	58.8		Friday	10/04/02	4:00 PM	0	5754399.373	74.8
4-Oct	18	67	56.9	79	73.9	69.4	67.2	66.1	62.6	59.9		Friday	10/04/02	5:00 PM	0	5011872.336	74.8
4-Oct	19	68.6	58.6	81.5	73.9	70.8	69.1	68.1	64.4	60.6		Friday	10/04/02	6:00 PM	0	7244359.601	74.8
4-Oct	20	68.6	63.7	78.4	72.8	70.3	68.9	68.2	66.3	64.8		Friday	10/04/02	7:00 PM	0	7244359.601	74.8
4-Oct	21	68.2	62.5	84.1	73.3	69.9	68.4	67.6	65.5	64.1		Friday	10/04/02	8:00 PM	0	6606934.48	74.8
4-Oct	22	67	61.2	77.8	71.4	69	67.3	66.4	64.4	62.9		Friday	10/04/02	9:00 PM	0	5011872.336	74.8
4-Oct	23	66.8	61.6	80.1	70.9	68.7	67.1	66.3	64.2	63		Friday	10/04/02	10:00 PM	10	47863009.23	74.8
4-Oct	24	66.1	60.3	79.7	70.6	68	66.3	65.5	63.7	62.1		Friday	10/04/02	11:00 PM	10	40738027.78	74.8
5-Oct	1	65.9	60.5	77	70.3	67.6	66	65.3	63.6	62.3		Saturday	10/05/02	12:00 AM	10	38904514.5	74.8
5-Oct	2	66.8	60.4	81.6	70.9	68.7	67.1	66.3	64.1	62.4		Saturday	10/05/02	1:00 AM	10	47863009.23	74.8
5-Oct	3	66.7	59.5	77.7	70.8	68.5	67.1	66.4	64.1	62		Saturday	10/05/02	2:00 AM	10	46773514.13	74.8
5-Oct	4	65.9	59.2	78.4	69.8	67.8	66.3	65.5	63.1	61.3		Saturday	10/05/02	3:00 AM	10	38904514.5	74.8
5-Oct	5	67.3	59.6	76.3	72	69.7	67.8	66.7	63.6	61.5		Saturday	10/05/02	4:00 AM	10	53703179.64	74.8
5-Oct	6	69.7	63.2	76.3	73.8	71.7	70.2	69.4	67	65.3		Saturday	10/05/02	5:00 AM	10	93325430.08	74.8
5-Oct	7	70.5	65.4	85.2	73.8	71.9	70.8	70.2	68.6	67.3		Saturday	10/05/02	6:00 AM	10	112201845.4	74.8
5-Oct	8	70.4	66	79	73.8	72	70.8	70.2	68.5	67.2		Saturday	10/05/02	7:00 AM	0	10964781.96	74.8
5-Oct	9	69.1	64	84	73.7	70.8	69.3	68.6	66.7	65.4		Saturday	10/05/02	8:00 AM	0	8128305.162	74.8
5-Oct	10	69.2	63	83.1	74.3	70.9	69.4	68.6	66.7	65.2		Saturday	10/05/02	9:00 AM	0	8317637.711	74.8
5-Oct	11	68.9	63.4	81.1	73.9	70.8	69.2	68.4	66.4	65.1		Saturday	10/05/02	10:00 AM	0	7762471.166	74.8
5-Oct	12	68.7	63.4	81.8	73.6	70.5	69	68.2	66.2	65		Saturday	10/05/02	11:00 AM	0	7413102.413	74.8
5-Oct	13	69.3	63.7	80.5	73.8	71	69.6	68.8	67	65.4		Saturday	10/05/02	12:00 PM	0	8511380.382	74.8
5-Oct	14	69.3	62.4	79.7	73.6	70.9	69.6	68.9	66.8	65.1		Saturday	10/05/02	1:00 PM	0	8511380.382	74.8
5-Oct	15	69.6	64.4	81.8	74.1	71.3	69.9	69.3	67.3	65.9		Saturday	10/05/02	2:00 PM	0	9120108.394	74.8
5-Oct	16	68.9	63.1	80.7	74.1	70.7	69.1	68.3	66.3	65		Saturday	10/05/02	3:00 PM	0	7762471.166	74.8
5-Oct	17	73.6	64.6	103.6	78.5	72.2	70	69.3	67.3	66.1		Saturday	10/05/02	4:00 PM	0	22908676.53	74.8
5-Oct	18	68.7	63.7	78.3	73.4	70.4	68.9	68.3	66.4	65.1		Saturday	10/05/02	5:00 PM	0	7413102.413	74.8
5-Oct	19	68.4	62.9	79.1	73.2	70.1	68.7	68	66.1	64.5		Saturday	10/05/02	6:00 PM	0	6918309.709	74.8
5-Oct	20	68.4	63.2	84.8	72.6	70	68.6	68	66.2	65.1		Saturday	10/05/02	7:00 PM	0	6918309.709	74.8
5-Oct	21	68.3	63.2	78.7	72.7	69.8	68.5	67.8	66.2	64.8		Saturday	10/05/02	8:00 PM	0	6760829.754	74.8
5-Oct	22	68.2	64.1	79.1	72	69.8	68.5	67.9	66.3	65.1		Saturday	10/05/02	9:00 PM	0	6606934.48	74.8
5-Oct	23	69	64.5	80.2	72.6	70.7	69.4	68.7	66.7	65.3		Saturday	10/05/02	10:00 PM	10	79432823.47	74.8
5-Oct	24	68.9	63.4	78.8	72.6	70.9	69.3	68.4	66.3	64.8		Saturday	10/05/02	11:00 PM	10	77624711.66	74.8
6-Oct	1	68	62.1	77.8	71.5	69.7	68.4	67.8	65.8	64.2		Sunday	10/06/02	12:00 AM	10	63095734.45	74.6
6-Oct	2	69.5	64.1	77.7	73.1	71.2	69.9	69.3	67.3	65.8		Sunday	10/06/02	1:00 AM	10	89125093.81	74.6
6-Oct	3	68	60.5	75.6	71.9	69.9	68.5	67.7	65.3	63.2		Sunday	10/06/02	2:00 AM	10	63095734.45	74.6
6-Oct	4	66.3	58.8	82.4	71.4	68.4	66.5	65.6	63.1	61		Sunday	10/06/02	3:00 AM	10	42657951.88	74.6
6-Oct	5	66.4	58.4	76.9	71.9	68.8	66.6	65.5	62.5	60.3		Sunday	10/06/02	4:00 AM	10	43651583.22	74.6
6-Oct	6	69.4	59.9	77	73.4	71.6	70	69.1	65.7	62.2		Sunday	10/06/02	5:00 AM	10	87096359	74.6
6-Oct	7	70	64.2	79.1	73.9	71.9	70.5	69.7	67.4	65.8		Sunday	10/06/02	6:00 AM	10	100000000	74.6
6-Oct	8	70.4	63.6	79.1	74.2	72.3	70.9	70.1	68	65.9		Sunday	10/06/02	7:00 AM	0	10964781.96	74.6
6-Oct	9	67.2	60.4	79.6	72.1	69.3	67.5	66.7	64.1	62.1		Sunday	10/06/02	8:00 AM	0	5248074.602	74.6
6-Oct	10	67.4	60.3	88.7	72.7	69.3	67.4	66.5	64.1	62.3		Sunday	10/06/02	9:00 AM	0	5495408.739	74.6
6-Oct	11	67.9	63.1	83.8	72.8	69.9	68.1	67.3	65.2	64.1		Sunday	10/06/02	10:00 AM	0	6165950.019	74.6
6-Oct	12	67.7	61.3	81	72.2	69.6	68	67.2	65.1	63.4		Sunday	10/06/02	11:00 AM	0	5888436.554	74.6
6-Oct	13	68.2	62.3	78	72.8	70	68.5	67.7	65.7	64.1		Sunday	10/06/02	12:00 PM	0	6606934.48	74.6
6-Oct	14	68.4	63.2	83.9	73.1	70	68.5	67.8	66	64.6		Sunday	10/06/02	1:00 PM	0	6918309.709	74.6

Location F

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
6-Oct	15	68.4	62.5	80.1	73.2	70.4	68.7	67.9	65.8	64.2		Sunday	10/06/02	2:00 PM	0	6918309.709	74.6
6-Oct	16	68.3	63	81	73	70.1	68.6	67.9	65.7	64.2		Sunday	10/06/02	3:00 PM	0	6760829.754	74.6
6-Oct	17	68.4	63.2	88.2	73	70.1	68.7	67.9	66	64.5		Sunday	10/06/02	4:00 PM	0	6918309.709	74.6
6-Oct	18	69.1	64.1	84	74.1	70.7	69.3	68.6	66.7	65.3		Sunday	10/06/02	5:00 PM	0	8128305.162	74.6
6-Oct	19	68.9	63.4	82.5	73.5	70.7	69	68.3	66.3	64.8		Sunday	10/06/02	6:00 PM	0	7762471.166	74.6
6-Oct	20	68.1	62.2	80.8	72.5	69.9	68.3	67.6	65.5	64		Sunday	10/06/02	7:00 PM	0	6456542.29	74.6
6-Oct	21	67.7	61.7	78	71.9	69.6	67.9	67.3	65.3	63.4		Sunday	10/06/02	8:00 PM	0	5888436.554	74.6
6-Oct	22	68.7	64.7	76.1	72	70.3	69	68.4	66.8	65.8		Sunday	10/06/02	9:00 PM	0	7413102.413	74.6
6-Oct	23	68.9	59.2	98.4	72.3	70.5	69.3	68.6	63.4	60.5		Sunday	10/06/02	10:00 PM	10	77624711.66	74.6
6-Oct	24	62.9	58.3	75.4	66.7	64.5	63.2	62.5	60.7	59.4		Sunday	10/06/02	11:00 PM	10	19498446	74.6
7-Oct	1	63	54.2	70.4	67.3	64.9	63.5	62.7	60	57		Monday	10/07/02	12:00 AM	10	19952623.15	69.9
7-Oct	2	60.9	53	74.3	66.3	63.3	61.1	60.1	57.2	55.1		Monday	10/07/02	1:00 AM	10	12302687.71	69.9
7-Oct	3	61	53.1	72.5	65.9	63.4	61.5	60.5	57.4	55.3		Monday	10/07/02	2:00 AM	10	12589254.12	69.9
7-Oct	4	62.7	53.6	72.1	67.2	65	63.2	62.2	58.9	56.1		Monday	10/07/02	3:00 AM	10	18620871.37	69.9
7-Oct	5	64.8	55.5	73.8	68.8	66.7	65.3	64.5	62	59		Monday	10/07/02	4:00 AM	10	30199517.2	69.9
7-Oct	6	65.1	59.3	72	69	66.8	65.5	64.9	62.7	61.1		Monday	10/07/02	5:00 AM	10	32359365.69	69.9
7-Oct	7	67	63.9	75.8	69.8	68.1	67.3	66.9	65.6	64.6		Monday	10/07/02	6:00 AM	10	50118723.36	69.9
7-Oct	8	66.2	58.6	78.2	72.8	68.2	65.9	65.1	62.3	60.5		Monday	10/07/02	7:00 AM	0	4168693.835	69.9
7-Oct	9	63.6	56.6	78.7	70.6	65.7	63.4	62.4	60.1	58.2		Monday	10/07/02	8:00 AM	0	2290867.653	69.9
7-Oct	10	63.3	56	75.8	68.5	65.1	63.6	62.8	60	58		Monday	10/07/02	9:00 AM	0	2137962.09	69.9
7-Oct	11	63.4	57.7	77.1	67.6	65.1	63.7	63	61.2	59.8		Monday	10/07/02	10:00 AM	0	2187761.624	69.9
7-Oct	12	63.6	57.5	77.3	67.8	65.3	63.9	63.1	61.1	59.3		Monday	10/07/02	11:00 AM	0	2290867.653	69.9
7-Oct	13	63.6	57.2	83.4	68.1	65.2	63.7	63.1	61	59.2		Monday	10/07/02	12:00 PM	0	2290867.653	69.9
7-Oct	14	63.5	57.5	79.5	68.3	65	63.6	62.9	60.9	59.2		Monday	10/07/02	1:00 PM	0	2238721.139	69.9
7-Oct	15	63.7	58	79.7	68.7	65.4	63.8	63.1	61.1	59.4		Monday	10/07/02	2:00 PM	0	2344228.815	69.9
7-Oct	16	64	58.8	74.2	68.1	65.6	64.3	63.7	62.1	60.5		Monday	10/07/02	3:00 PM	0	2511886.432	69.9
7-Oct	17	63.6	58.5	80.3	67.9	65.2	63.8	63.1	61.2	59.7		Monday	10/07/02	4:00 PM	0	2290867.653	69.9
7-Oct	18	63.5	58.4	83.3	68.6	64.9	63.5	62.8	60.9	59.4		Monday	10/07/02	5:00 PM	0	2238721.139	69.9
7-Oct	19	63.2	57.8	79.7	68.2	64.8	63.4	62.6	60.6	59.3		Monday	10/07/02	6:00 PM	0	2089296.131	69.9
7-Oct	20	62.1	55.6	77.4	67.4	64.1	62.4	61.5	59.2	57.4		Monday	10/07/02	7:00 PM	0	1621810.097	69.9
7-Oct	21	60.9	55.1	73.1	65.7	63	61	60.2	58	56.4		Monday	10/07/02	8:00 PM	0	1230268.771	69.9
7-Oct	22	61.5	56.1	77.7	65.8	63.4	61.8	60.9	58.8	57.3		Monday	10/07/02	9:00 PM	0	1412537.545	69.9
7-Oct	23	61.3	56	79.9	65.8	63.1	61.4	60.6	59	57.6		Monday	10/07/02	10:00 PM	10	13489628.83	69.9
7-Oct	24	59.9	53.6	70	64.6	61.9	60.3	59.4	57.1	55.2		Monday	10/07/02	11:00 PM	10	9772372.21	69.9
8-Oct	1	60.3	53.4	83.2	65.1	62.1	60.2	59.3	57	55.1		Tuesday	10/08/02	12:00 AM	10	10715193.05	69.9
8-Oct	2	59.3	51.4	70	63.7	61.5	59.7	58.9	56.2	54.2		Tuesday	10/08/02	1:00 AM	10	8511380.382	69.9
8-Oct	3	60.1	52.1	76.4	64.4	62	60.5	59.6	57.1	54.7		Tuesday	10/08/02	2:00 AM	10	10232929.92	69.9
8-Oct	4	60.8	52.5	72.5	64.9	62.9	61.3	60.4	57.6	55.3		Tuesday	10/08/02	3:00 AM	10	12022644.35	69.9
8-Oct	5	61.5	54.6	70.2	65.8	63.3	61.9	61.2	58.8	56.8		Tuesday	10/08/02	4:00 AM	10	14125375.45	69.9
8-Oct	6	64.3	58.7	74.7	69	66.1	64.7	63.9	61.6	60.1		Tuesday	10/08/02	5:00 AM	10	26915348.04	69.9
8-Oct	7	65.9	62.8	80.3	69.4	67	66	65.6	64.3	63.4		Tuesday	10/08/02	6:00 AM	10	38904514.5	69.9
8-Oct	8	64.2	58.6	76.4	69.4	66	64.6	63.7	61.1	59.6		Tuesday	10/08/02	7:00 AM	0	2630267.992	69.9
8-Oct	9	63.1	57	79.4	69.5	65.3	63	62.1	60	58.2		Tuesday	10/08/02	8:00 AM	0	2041737.945	69.9
8-Oct	10	63.8	58.5	78.9	70.4	65.6	63.6	62.8	61	59.6		Tuesday	10/08/02	9:00 AM	0	2398832.919	69.9
8-Oct	11	63.4	58	75.8	68.8	65	63.6	62.9	60.9	59.2		Tuesday	10/08/02	10:00 AM	0	2187761.624	69.9
8-Oct	12	63.4	57.7	74.6	67.6	65.1	63.7	63	61.1	59.3		Tuesday	10/08/02	11:00 AM	0	2187761.624	69.9
8-Oct	13	63.2	58.6	80.6	67.9	65	63.4	62.6	60.5	59.3		Tuesday	10/08/02	12:00 PM	0	2089296.131	69.9
8-Oct	14	63.5	58.9	76.8	67.9	65	63.7	63.1	61.2	60		Tuesday	10/08/02	1:00 PM	0	2238721.139	69.9
8-Oct	15	63.6	58.5	80.7	67.9	65.2	63.8	63.1	61.2	59.8		Tuesday	10/08/02	2:00 PM	0	2290867.653	69.9
8-Oct	16	64	58.5	79.4	68.6	65.7	64.3	63.5	61.6	60.1		Tuesday	10/08/02	3:00 PM	0	2511886.432	69.9
8-Oct	17	63.5	60.3	66.9	66.4	65.2	64.1	63.5	61.1	60.3		Tuesday	10/08/02	4:00 PM	0	2238721.139	69.9
1-Oct	18	68.9	63.6	81	73.8	70.8	69.1	68.3	66.3	65.1		Tuesday	10/01/02	5:00 PM	0	7762471.166	69.9
1-Oct	19	69.1	63.6	81.5	73.8	70.9	69.4	68.6	66.5	65.1		Tuesday	10/01/02	6:00 PM	0	8128305.162	69.9
1-Oct	20	69.1	64.1	82.8	72.9	70.8	69.4	68.7	66.8	65.4		Tuesday	10/01/02	7:00 PM	0	8128305.162	69.9
1-Oct	21	68.4	62.4	79.4	72.8	70.2	68.7	67.9	65.9	64.1		Tuesday	10/01/02	8:00 PM	0	6918309.709	69.9
1-Oct	22	67.7	62.2	83.9	72	69.6	68	67.2	65.1	63.6		Tuesday	10/01/02	9:00 PM	0	5888436.554	69.9
1-Oct	23	65.4	58.3	79.4	70.9	67.7	65.6	64.6	62	60.1		Tuesday	10/01/02	10:00 PM	10	34673685.05	69.9
1-Oct	24	63	55	78.5	68.8	65.5	63.1	61.9	58.7	56.5		Tuesday	10/01/02	11:00 PM	10	19952623.15	69.9
																Overall Ldn:	73.3

Location F

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Daily Ldn
09/19/02	1	52.8	39.7	72.9	63.7	57.3	46.8	44.1	41.9	41		Thursday	09/19/02	12:00 AM	10	1905460.718	63.1
09/19/02	2	51.7	39.6	72	63.8	54.5	44.5	42.9	41.1	40.1		Thursday	09/19/02	1:00 AM	10	1479108.388	63.1
09/19/02	3	50.5	39.4	74.9	62	51.8	45.6	43.1	40.9	40		Thursday	09/19/02	2:00 AM	10	1122018.454	63.1
09/19/02	4	50.1	39.4	72.4	61.7	51	46.8	45	41.4	40.1		Thursday	09/19/02	3:00 AM	10	1023292.992	63.1
09/19/02	5	51.6	38.7	72	63.3	54.8	45.1	43.5	41.4	39.8		Thursday	09/19/02	4:00 AM	10	1445439.771	63.1
09/19/02	6	55.4	39.1	81.3	65.1	58.9	49.2	44.9	41.2	40.1		Thursday	09/19/02	5:00 AM	10	3467368.505	63.1
09/19/02	7	59.4	38.8	83.1	67.8	63.1	58.6	55	45	40.4		Thursday	09/19/02	6:00 AM	10	8709635.9	63.1
09/19/02	8	61.7	47.4	75.6	69.5	64.9	62	59.9	53.1	49.1		Thursday	09/19/02	7:00 AM	0	1479108.388	63.1
09/19/02	9	62.5	46.8	74.6	69.5	65.7	63	61.2	53.5	48.9		Thursday	09/19/02	8:00 AM	0	1778279.41	63.1
09/19/02	10	61.4	43	80.2	69.4	65	61.5	59.1	49.6	45.2		Thursday	09/19/02	9:00 AM	0	1380384.265	63.1
09/19/02	11	60.6	41.6	81.8	69.2	63.6	60.3	58.1	49.5	45.3		Thursday	09/19/02	10:00 AM	0	1148153.621	63.1
09/19/02	12	60	42.1	80.2	68.7	63.3	60	57.5	48.7	44.6		Thursday	09/19/02	11:00 AM	0	1000000	63.1
09/19/02	13	60.3	41.7	76.3	68.8	63.3	60.4	58.4	50.2	45.1		Thursday	09/19/02	12:00 PM	0	1071519.305	63.1
09/19/02	14	60.9	42.6	78.9	69.9	63.9	60.7	58.7	50.2	45.3		Thursday	09/19/02	1:00 PM	0	1230268.771	63.1
09/19/02	15	60.9	42.1	77.7	68.8	63.9	61.1	59.4	50.6	45.2		Thursday	09/19/02	2:00 PM	0	1230268.771	63.1
09/19/02	16	61.9	43.3	77.5	70.4	64.7	62	60.3	52.3	46.5		Thursday	09/19/02	3:00 PM	0	1548816.619	63.1
09/19/02	17	61.4	44.4	76.7	69.1	64.3	61.6	59.9	52.8	47.9		Thursday	09/19/02	4:00 PM	0	1380384.265	63.1
09/19/02	18	61.6	44.1	85.1	68.6	64.5	62	60.4	53	47.5		Thursday	09/19/02	5:00 PM	0	1445439.771	63.1
09/19/02	19	61.7	46.2	75.3	70.1	64.5	62	60.5	53.4	48.1		Thursday	09/19/02	6:00 PM	0	1479108.388	63.1
09/19/02	20	61.2	44.5	77.8	69.6	64	61.3	59.5	52.1	48		Thursday	09/19/02	7:00 PM	0	1318256.739	63.1
09/19/02	21	59.8	44.7	72.8	66.7	63.3	60.3	58.1	50.7	47		Thursday	09/19/02	8:00 PM	0	954992.586	63.1
09/19/02	22	59.5	45	75.2	66.6	63.1	59.9	57.6	50.3	47.3		Thursday	09/19/02	9:00 PM	0	891250.9381	63.1
09/19/02	23	58.3	43.6	74.3	66.3	62.3	58.2	54.9	47.8	45.3		Thursday	09/19/02	10:00 PM	10	6760829.754	63.1
09/19/02	24	56.1	43.1	70.5	64.9	60.5	55	51.2	46.4	44.4		Thursday	09/19/02	11:00 PM	10	4073802.778	63.1
09/20/02	1	53.2	40.5	67.9	63.4	57.8	49.6	47.3	43.7	41.8		Friday	09/20/02	12:00 AM	10	2089296.131	64.3
09/20/02	2	51.5	40.5	69.6	63.2	54.3	46.7	45.6	43	41.7		Friday	09/20/02	1:00 AM	10	1412537.545	64.3
09/20/02	3	49.8	40	68.5	61.5	51.5	45.5	43.9	41.5	40.5		Friday	09/20/02	2:00 AM	10	954992.586	64.3
09/20/02	4	50.4	40.6	70.1	61.7	51.6	47.5	46.3	43.5	41.3		Friday	09/20/02	3:00 AM	10	1096478.196	64.3
09/20/02	5	53.2	41.5	84.7	62.3	54.8	48.1	46.9	44.2	42.6		Friday	09/20/02	4:00 AM	10	2089296.131	64.3
09/20/02	6	54.6	40.4	75.3	64.9	58.8	50	46.8	43	41.4		Friday	09/20/02	5:00 AM	10	2884031.503	64.3
09/20/02	7	58.6	41.3	73.5	67.5	62.9	58.1	53.9	45.7	43.1		Friday	09/20/02	6:00 AM	10	7244359.601	64.3
09/20/02	8	61.7	45.8	75.3	69.5	64.9	62.2	60.1	52.5	48.2		Friday	09/20/02	7:00 AM	0	1479108.388	64.3
09/20/02	9	61.5	46.6	75.4	68.6	64.7	62	60.2	52	48.6		Friday	09/20/02	8:00 AM	0	1412537.545	64.3
09/20/02	10	60.9	46.8	75.6	69	64.1	60.9	58.8	51.9	49		Friday	09/20/02	9:00 AM	0	1230268.771	64.3
09/20/02	11	60.7	42.1	87.3	68.7	63.5	60.4	58.2	49.5	45.1		Friday	09/20/02	10:00 AM	0	1174897.555	64.3
09/20/02	12	60.3	41.8	76.6	68.7	63.3	60.4	58.5	50.5	45.5		Friday	09/20/02	11:00 AM	0	1071519.305	64.3
09/20/02	13	60.6	43.2	74.9	68.6	63.9	60.7	58.8	50.9	45.5		Friday	09/20/02	12:00 PM	0	1148153.621	64.3
09/20/02	14	61.5	42	85.4	70.5	63.7	60.5	58.7	51.3	46.9		Friday	09/20/02	1:00 PM	0	1412537.545	64.3
09/20/02	15	68.5	44.4	100.5	73.2	63.9	60.9	59.1	52.2	48.3		Friday	09/20/02	2:00 PM	0	7079457.844	64.3
09/20/02	16	66.4	45	94.3	72.5	64.9	61.9	60.4	54.1	47.6		Friday	09/20/02	3:00 PM	0	4365158.322	64.3
09/20/02	17	61.8	45.8	79.8	69.7	64.5	61.8	60.3	53.3	48.2		Friday	09/20/02	4:00 PM	0	1513561.248	64.3
09/20/02	18	63.7	45.8	91	71	65	62.5	61	54.6	49.2		Friday	09/20/02	5:00 PM	0	2344228.815	64.3
09/20/02	19	63.5	44.3	90.8	72.1	65.8	62.7	61	53.3	47.9		Friday	09/20/02	6:00 PM	0	2238721.139	64.3
09/20/02	20	62.3	44.1	82.1	71.1	64.7	62.1	60.6	54.1	47.9		Friday	09/20/02	7:00 PM	0	1698243.652	64.3
09/20/02	21	61	49.3	84.8	67.4	64	61.2	59.4	54.2	51.6		Friday	09/20/02	8:00 PM	0	1258925.412	64.3
09/20/02	22	60.6	47.8	84.5	67.1	63.3	60.4	58.5	53.1	50.4		Friday	09/20/02	9:00 PM	0	1148153.621	64.3
09/20/02	23	59.7	47.3	76.9	67.4	63.3	59.7	57.3	51.1	48.5		Friday	09/20/02	10:00 PM	10	9332543.008	64.3
09/20/02	24	58.5	46.2	85.7	66	61.8	57.6	54.5	48.9	47.2		Friday	09/20/02	11:00 PM	10	7079457.844	64.3
09/21/02	1	56	43.7	72.7	65.5	60.4	53.9	50.5	46.4	44.9		Saturday	09/21/02	12:00 AM	10	3981071.706	64.1
09/21/02	2	53.9	42.4	72.2	63.8	58.3	50.5	47.8	44.6	43.3		Saturday	09/21/02	1:00 AM	10	2454708.916	64.1
09/21/02	3	53.3	41.5	76.1	63.3	57.4	49.3	47.2	44.2	42.8		Saturday	09/21/02	2:00 AM	10	2137962.09	64.1
09/21/02	4	51.9	41.5	68.6	62.4	54.7	48.9	47.8	45.2	43.3		Saturday	09/21/02	3:00 AM	10	1548816.619	64.1
09/21/02	5	53.6	40.6	74.4	64.8	56.7	48	45.9	42.4	41.2		Saturday	09/21/02	4:00 AM	10	2290867.653	64.1
09/21/02	6	54	41.6	76.5	63.8	57.9	50.9	48.4	44.1	42.4		Saturday	09/21/02	5:00 AM	10	2511886.432	64.1
09/21/02	7	56.9	43.3	73.5	66	61.3	55.4	52.1	46.8	44.5		Saturday	09/21/02	6:00 AM	10	4897788.194	64.1
09/21/02	8	60.1	46.2	76.4	68.8	63.8	59.7	56.9	50.6	47.6		Saturday	09/21/02	7:00 AM	0	1023292.992	64.1
09/21/02	9	60.7	41.7	74.8	68.8	64.4	61	58.4	49.4	45.1		Saturday	09/21/02	8:00 AM	0	1174897.555	64.1
09/21/02	10	63	42.4	91.5	70.2	64.8	61.8	60	51.1	45.9		Saturday	09/21/02	9:00 AM	0	1995262.315	64.1
09/21/02	11	61.3	43.3	82.8	68.9	64.5	61.6	59.7	51.3	46.1		Saturday	09/21/02	10:00 AM	0	1348962.883	64.1
09/21/02	12	61.3	44.3	80.8	68.9	64.2	61.7	60	52.3	47.1		Saturday	09/21/02	11:00 AM	0	1348962.883	64.1
09/21/02	13	62.5	44.6	94.3	68.6	64.2	61.5	59.7	52	47.3		Saturday	09/21/02	12:00 PM	0	1778279.41	64.1
09/21/02	14	63.4	45.5	95.7	69.8	64.5	61.6	59.9	52.6	48		Saturday	09/21/02	1:00 PM	0	2187761.624	64.1
09/21/02	15	61.1	44.7	83.1	68.8	63.9	61	59.2	51.5	46.5		Saturday	09/21/02	2:00 PM	0	1288249.552	64.1
09/21/02	16	61.3	44	83.1	68.9	64.3	61.5	59.7	51.4	46.7		Saturday	09/21/02	3:00 PM	0	1348962.883	64.1

Location G

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Daily Ldn
09/21/02	17	60.6	44	74.3	67.9	63.4	60.8	59.3	52.4	47		Saturday	09/21/02	4:00 PM	0	1148153.621	64.1
09/21/02	18	61.5	45.4	83.7	68.2	64.1	61.4	59.7	54.1	50		Saturday	09/21/02	5:00 PM	0	1412537.545	64.1
09/21/02	19	64.4	42.8	95	70.6	64.6	61.7	59.9	53.6	46		Saturday	09/21/02	6:00 PM	0	2754228.703	64.1
09/21/02	20	61	43.6	81.4	69	63.9	61.1	59.2	52.3	48.2		Saturday	09/21/02	7:00 PM	0	1258925.412	64.1
09/21/02	21	60.1	47.9	80.4	67.1	63.3	60.3	58.4	53.2	50.3		Saturday	09/21/02	8:00 PM	0	1023292.992	64.1
09/21/02	22	59.1	47.3	76.2	65.2	62.2	59.4	57.5	53.2	50.6		Saturday	09/21/02	9:00 PM	0	812830.5162	64.1
09/21/02	23	59.3	48.3	76.7	67.4	62.7	59	56.7	52	50.1		Saturday	09/21/02	10:00 PM	10	8511380.382	64.1
09/21/02	24	60.5	47.2	93.4	66.8	62.4	58.3	55.7	51.3	49.2		Saturday	09/21/02	11:00 PM	10	11220184.54	64.1
09/22/02	1	56.9	46.3	80.4	64.8	60.7	55.7	53	49.2	47.3		Sunday	09/22/02	12:00 AM	10	4897788.194	62.7
09/22/02	2	55.6	45.3	72.8	65.5	59.6	52.8	50.4	47.7	46.3		Sunday	09/22/02	1:00 AM	10	3630780.548	62.7
09/22/02	3	53.7	42.6	72.6	63.5	56.8	52.1	50.6	46.8	44.6		Sunday	09/22/02	2:00 AM	10	2344228.815	62.7
09/22/02	4	53.7	41.5	69.9	63.2	55.7	52.4	51.3	48.1	46.1		Sunday	09/22/02	3:00 AM	10	2344228.815	62.7
09/22/02	5	52	40.5	73.2	63	53.5	47.2	45.5	42.8	41.7		Sunday	09/22/02	4:00 AM	10	1584893.192	62.7
09/22/02	6	51.5	40.3	69.9	62.8	54.5	47	45	42.2	41.1		Sunday	09/22/02	5:00 AM	10	1412537.545	62.7
09/22/02	7	54.4	40.4	69.7	63.8	58.7	52.2	49.6	44.6	42.1		Sunday	09/22/02	6:00 AM	10	2754228.703	62.7
09/22/02	8	57.6	43.9	74.2	66.1	61.8	56.5	53.1	48	45.6		Sunday	09/22/02	7:00 AM	0	575439.9373	62.7
09/22/02	9	58.9	41.5	73.3	66.9	62.8	59	56.2	47.9	44.5		Sunday	09/22/02	8:00 AM	0	776247.1166	62.7
09/22/02	10	59.5	40.5	74.8	67	63.1	59.9	57.6	48.3	43.7		Sunday	09/22/02	9:00 AM	0	891250.9381	62.7
09/22/02	11	59.9	42.2	76.3	66.9	63.3	60.4	58.2	49.3	44.1		Sunday	09/22/02	10:00 AM	0	977237.221	62.7
09/22/02	12	59.3	41.1	74.7	67.2	62.5	59.7	57.6	48.5	43.7		Sunday	09/22/02	11:00 AM	0	851138.0382	62.7
09/22/02	13	59.8	43.1	78	67.7	62.7	59.9	58	50.3	45.5		Sunday	09/22/02	12:00 PM	0	954992.586	62.7
09/22/02	14	61.4	44.1	88.2	68.6	63.3	60.5	58.7	50.8	46.2		Sunday	09/22/02	1:00 PM	0	1380384.265	62.7
09/22/02	15	60.2	43.3	77.4	68.2	63.5	60.4	58.3	49.8	45.7		Sunday	09/22/02	2:00 PM	0	1047128.548	62.7
09/22/02	16	60.3	43.9	77.5	68.3	63.6	60.4	58.3	50.3	46		Sunday	09/22/02	3:00 PM	0	1071519.305	62.7
09/22/02	17	59.9	42.2	76.2	67.2	63.3	60.2	58.2	49.1	45.3		Sunday	09/22/02	4:00 PM	0	977237.221	62.7
09/22/02	18	59.8	42.3	75.2	67	63.3	60.2	58.2	49.7	44.9		Sunday	09/22/02	5:00 PM	0	954992.586	62.7
09/22/02	19	60.8	43.4	79.3	68.4	63.9	60.9	58.9	51.3	47		Sunday	09/22/02	6:00 PM	0	1202264.435	62.7
09/22/02	20	60.7	45.6	77.6	67.2	63.5	61	59.3	52.9	47.7		Sunday	09/22/02	7:00 PM	0	1174897.555	62.7
09/22/02	21	60.1	47.6	83.4	66.8	63.3	60.5	58.5	51.7	49.1		Sunday	09/22/02	8:00 PM	0	1023292.992	62.7
09/22/02	22	59.2	49	74.7	66	62.5	59.4	57.4	52.6	50.5		Sunday	09/22/02	9:00 PM	0	831763.7711	62.7
09/22/02	23	58.3	47.1	76.2	67.1	62	57.6	54.8	49.4	48.1		Sunday	09/22/02	10:00 PM	10	6760829.754	62.7
09/22/02	24	56.5	46.8	72.4	65.2	60.3	55.5	52.8	49.1	47.8		Sunday	09/22/02	11:00 PM	10	4466835.922	62.7
09/23/02	1	54.9	46.3	73.1	63.5	58.7	53.2	51.7	49.1	47.6		Monday	09/23/02	12:00 AM	10	3090295.433	67.8
09/23/02	2	53.4	44.8	70.3	62.8	55.9	51.9	50.9	48.2	46.8		Monday	09/23/02	1:00 AM	10	2187761.624	67.8
09/23/02	3	53	44.8	72	62.7	54.9	51.4	50.4	47.9	46.2		Monday	09/23/02	2:00 AM	10	1995262.315	67.8
09/23/02	4	51.9	43.3	70.1	61.8	53	50.7	49.4	46.7	45.2		Monday	09/23/02	3:00 AM	10	1548816.619	67.8
09/23/02	5	68.5	41.2	98	78.1	57.8	48	46.3	43.3	42		Monday	09/23/02	4:00 AM	10	70794578.44	67.8
09/23/02	6	55.9	42.1	80.8	66.9	58.3	51.9	49.8	45.2	43.3		Monday	09/23/02	5:00 AM	10	3890451.45	67.8
09/23/02	7	61.6	45.4	90.4	67.9	62.2	57.9	55	49.7	47.4		Monday	09/23/02	6:00 AM	10	14454397.71	67.8
09/23/02	8	64	51.2	88.9	71.3	66	63	61.2	55.4	53.1		Monday	09/23/02	7:00 AM	0	2511886.432	67.8
09/23/02	9	61.3	50.5	74.4	67.5	64.2	61.9	60.4	54.4	51.9		Monday	09/23/02	8:00 AM	0	1348962.883	67.8
09/23/02	10	61.3	43.8	77.7	69.1	64.4	61.5	59.6	52.5	47.3		Monday	09/23/02	9:00 AM	0	1348962.883	67.8
09/23/02	11	63.5	42.9	94	70.7	63.5	60.3	58.5	50.6	45.8		Monday	09/23/02	10:00 AM	0	2238721.139	67.8
09/23/02	12	59.6	42.2	83.8	67.5	62.8	59.7	57.6	48.8	44.2		Monday	09/23/02	11:00 AM	0	912010.8394	67.8
09/23/02	13	64.8	43.8	88.1	77	65.7	60.8	58.7	50.6	46		Monday	09/23/02	12:00 PM	0	3019951.72	67.8
09/23/02	14	61.2	44.4	80.1	71.3	63.5	60.5	58.7	50.8	46.6		Monday	09/23/02	1:00 PM	0	1318256.739	67.8

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Daily Ldn
09/23/02	15	68.9	44.5	85.9	79.5	73.3	66	62.2	53.3	46.9		Monday	09/23/02	2:00 PM	0	7762471.166	67.8
09/23/02	16	62.1	46.6	83.8	70.4	64.9	62	60.5	53.5	48.7		Monday	09/23/02	3:00 PM	0	1621810.097	67.8
09/23/02	17	61.2	43.6	81.6	67.7	64.1	61.6	60	53.3	47.7		Monday	09/23/02	4:00 PM	0	1318256.739	67.8
09/23/02	18	62.7	46.6	90.7	69.6	64.9	62.5	61	54.4	48.3		Monday	09/23/02	5:00 PM	0	1862087.137	67.8
09/23/02	19	64	46.8	94.6	69.9	65	62.3	60.8	53.9	49.6		Monday	09/23/02	6:00 PM	0	2511886.432	67.8
09/23/02	20	65.6	47.1	93.5	73.2	64.6	61.6	60	53.1	49.7		Monday	09/23/02	7:00 PM	0	3630780.548	67.8
09/23/02	21	61.8	45.3	89.2	68	63.8	60.7	58.7	51.3	47.8		Monday	09/23/02	8:00 PM	0	1513561.248	67.8
09/23/02	22	60.2	47.5	84.4	67.7	63.5	60.1	57.9	53.2	50.3		Monday	09/23/02	9:00 PM	0	1047128.548	67.8
09/23/02	23	59.1	47.5	78	66.6	62.5	59	56.8	52.3	49.2		Monday	09/23/02	10:00 PM	10	8128305.162	67.8
09/23/02	24	56.4	45.9	76.5	65	60.3	54.6	51.9	48.8	47.3		Monday	09/23/02	11:00 PM	10	4365158.322	67.8
09/24/02	1	54.2	46	75.5	63.8	57.9	51.6	50.2	48.1	47.1		Tuesday	09/24/02	12:00 AM	10	2630267.992	63.7
09/24/02	2	52.6	43.7	75.3	62.5	54.6	50.8	49.7	47.3	45.9		Tuesday	09/24/02	1:00 AM	10	1819700.859	63.7
09/24/02	3	53.5	43.9	72.7	63.1	54.8	52.3	51.5	49	47.5		Tuesday	09/24/02	2:00 AM	10	2238721.139	63.7
09/24/02	4	52.4	42.8	68.4	62.6	53.9	50.8	49.9	47.3	45.5		Tuesday	09/24/02	3:00 AM	10	1737800.829	63.7
09/24/02	5	52.3	43.7	70.2	63	54.6	49.2	48.2	46.1	44.7		Tuesday	09/24/02	4:00 AM	10	1698243.652	63.7
09/24/02	6	55.7	43.8	73.5	65.9	59.8	52.5	50.3	47.6	45.3		Tuesday	09/24/02	5:00 AM	10	3715352.291	63.7
09/24/02	7	59.2	45.8	76.2	67.1	62.8	58.8	56.2	51	48.1		Tuesday	09/24/02	6:00 AM	10	8317637.711	63.7
09/24/02	8	62.3	50.1	75.2	69.1	65.2	62.7	61	54.7	51.8		Tuesday	09/24/02	7:00 AM	0	1698243.652	63.7
09/24/02	9	62.3	48.1	86.1	68.8	65	62.3	60.2	53.1	50.2		Tuesday	09/24/02	8:00 AM	0	1698243.652	63.7
09/24/02	10	61.6	45.4	86.2	70.4	64.6	61.4	59.3	51.5	47.5		Tuesday	09/24/02	9:00 AM	0	1445439.771	63.7
09/24/02	11	60.4	43.9	77.9	67.9	63.6	60.6	58.6	50.7	47.3		Tuesday	09/24/02	10:00 AM	0	1096478.196	63.7
09/24/02	12	60.2	42.9	75	68.5	63.6	60.3	58.2	50.3	46.4		Tuesday	09/24/02	11:00 AM	0	1047128.548	63.7
09/24/02	13	60.4	43.7	79.6	68	63.5	60.6	58.7	51.1	46.5		Tuesday	09/24/02	12:00 PM	0	1096478.196	63.7
09/24/02	14	60.4	43.4	80.5	68.7	63.6	60.4	58.3	50.1	46.1		Tuesday	09/24/02	1:00 PM	0	1096478.196	63.7
09/24/02	15	61.7	42.3	80.3	70.4	64.3	61.4	59.7	52.1	45.9		Tuesday	09/24/02	2:00 PM	0	1479108.388	63.7
09/24/02	16	62.4	44.7	82.3	70.2	65.3	62.3	60.6	53.6	48.1		Tuesday	09/24/02	3:00 PM	0	1737800.829	63.7
09/24/02	17	66.4	44.4	102	69.5	64.8	62.1	60.5	52.4	47.2		Tuesday	09/24/02	4:00 PM	0	4365158.322	63.7
09/24/02	18	62	44.3	83	69.4	64.7	62.2	60.5	53.6	48		Tuesday	09/24/02	5:00 PM	0	1584893.192	63.7
09/24/02	19	61.8	42.6	77	68.8	64.8	62.2	60.5	53.1	47.2		Tuesday	09/24/02	6:00 PM	0	1513561.248	63.7
09/24/02	20	61.1	45.7	74.6	68.4	64.3	61.3	59.5	52.5	48.7		Tuesday	09/24/02	7:00 PM	0	1288249.552	63.7
09/24/02	21	60.6	46.9	84.4	67.7	63.8	60.8	58.8	51.7	48.8		Tuesday	09/24/02	8:00 PM	0	1148153.621	63.7
09/24/02	22	59.3	44.6	76.1	66.8	62.9	59.4	57	49.2	46.2		Tuesday	09/24/02	9:00 PM	0	851138.0382	63.7
09/24/02	23	58.8	44.3	82.3	66.5	62.2	58	54.8	47.8	45.7		Tuesday	09/24/02	10:00 PM	10	7585775.75	63.7
09/24/02	24	56	42.9	71.8	65.2	60.5	54.5	50.9	45.7	44.1		Tuesday	09/24/02	11:00 PM	10	3981071.706	63.7
09/25/02	1	54.2	41.7	82.2	64.3	57.4	48.9	46.9	44.1	42.5		Wednesday	09/25/02	12:00 AM	10	2630267.992	63.6
09/25/02	2	52.4	41.8	72.8	63.5	55	48.1	46.6	43.9	42.8		Wednesday	09/25/02	1:00 AM	10	1737800.829	63.6
09/25/02	3	50.8	41.6	69.9	61.8	52.8	48	46.6	44.1	42.9		Wednesday	09/25/02	2:00 AM	10	1202264.435	63.6
09/25/02	4	55.6	41.5	86.9	62.7	53.3	48.9	47.6	44.4	42.8		Wednesday	09/25/02	3:00 AM	10	3630780.548	63.6
09/25/02	5	50.5	40.9	66.8	62.1	53.1	45.8	44.7	43	41.9		Wednesday	09/25/02	4:00 AM	10	1122018.454	63.6
09/25/02	6	55.1	43.1	71.6	65	59.4	51.4	49.6	46.6	44.2		Wednesday	09/25/02	5:00 AM	10	3235936.569	63.6
09/25/02	7	59.1	45.9	76.7	67.6	63.3	58.2	54.5	48.3	47		Wednesday	09/25/02	6:00 AM	10	8128305.162	63.6
09/25/02	8	62.1	47.8	75.7	69.9	65.2	62.3	60.4	53	49.2		Wednesday	09/25/02	7:00 AM	0	1621810.097	63.6
09/25/02	9	62	46.6	75	69.1	65.1	62.4	60.5	52.8	49		Wednesday	09/25/02	8:00 AM	0	1584893.192	63.6
09/25/02	10	60.6	45.7	74.4	68.9	64	60.7	58.5	51.3	48.1		Wednesday	09/25/02	9:00 AM	0	1148153.621	63.6
09/25/02	11	62.1	45.3	84.7	71.5	64.3	61.1	59.2	51.5	47.4		Wednesday	09/25/02	10:00 AM	0	1621810.097	63.6
09/25/02	12	62.4	44.9	92.4	69	63.9	60.5	58.6	50.9	47.2		Wednesday	09/25/02	11:00 AM	0	1737800.829	63.6
09/25/02	13	60.3	43.4	76.7	69.2	63.5	60.3	58.2	50.3	46.1		Wednesday	09/25/02	12:00 PM	0	1071519.305	63.6
09/25/02	14	61.8	44.8	90.1	70.1	63.9	60.5	58.5	50.7	46.9		Wednesday	09/25/02	1:00 PM	0	1513561.248	63.6
09/25/02	15	61.3	45.5	81	70	63.9	60.9	59.2	51.5	47.9		Wednesday	09/25/02	2:00 PM	0	1348962.883	63.6
09/25/02	16	61.9	46.1	76.9	69.8	64.9	62.1	60.4	53.4	48.9		Wednesday	09/25/02	3:00 PM	0	1548816.619	63.6
09/25/02	17	61.5	44.4	75	69	64.4	61.8	60.3	53.5	48.4		Wednesday	09/25/02	4:00 PM	0	1412537.545	63.6
09/25/02	18	63	45.7	92.8	69.3	64.8	62.1	60.5	53.2	48.3		Wednesday	09/25/02	5:00 PM	0	1995262.315	63.6
09/25/02	19	61.6	44.1	77.8	69.4	64.4	61.8	60.3	53.4	47.8		Wednesday	09/25/02	6:00 PM	0	1445439.771	63.6
09/25/02	20	60.9	44.6	76.1	68.7	63.9	61.2	59.4	50.9	47		Wednesday	09/25/02	7:00 PM	0	1230268.771	63.6
09/25/02	21	61.2	45	88.4	67.6	63.8	60.4	58.2	50.4	47.3		Wednesday	09/25/02	8:00 PM	0	1318256.739	63.6
09/25/02	22	62	44.1	89.9	68.6	63.6	60.1	57.8	50.3	47.2		Wednesday	09/25/02	9:00 PM	0	1584893.192	63.6
09/25/02	23	58.2	43.2	72.4	66.4	62.2	57.8	54.8	48.5	46.1		Wednesday	09/25/02	10:00 PM	10	6606934.48	63.6
09/25/02	24	56.2	41.3	70.8	65	60.6	54.5	51.1	46.2	43.7		Wednesday	09/25/02	11:00 PM	10	4168693.835	63.6
																Overall Ldn	64.5

Location G

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
19-Sep	1	48.8	42.1	59.8	53	50.9	49.4	48.4	45.7	44.2		Thursday	09/19/02	12:00 AM	10	758577.575	57.7
19-Sep	2	51.3	42	59.7	55.7	53.6	51.6	50.6	48.4	45.9		Thursday	09/19/02	1:00 AM	10	1348962.883	57.7
19-Sep	3	53	38.6	70.7	64.9	52.4	50.9	50.2	44.3	40.2		Thursday	09/19/02	2:00 AM	10	1995262.315	57.7
19-Sep	4	49	38.2	59.4	54.7	51.9	49.8	48.2	43.3	40		Thursday	09/19/02	3:00 AM	10	794328.2347	57.7
19-Sep	5	47.2	37.8	61.4	54.6	50.3	47.2	45.2	41.4	39.3		Thursday	09/19/02	4:00 AM	10	524807.4602	57.7
19-Sep	6	53	45.5	70.2	58	55.5	53.4	52.1	49.1	47.1		Thursday	09/19/02	5:00 AM	10	1995262.315	57.7
19-Sep	7	51.9	45.1	70.4	57.7	54.3	52.3	51.1	48.2	46.7		Thursday	09/19/02	6:00 AM	10	1548816.619	57.7
19-Sep	8	55.2	49.3	70.5	61.7	57.5	55.4	54.3	51.5	50.2		Thursday	09/19/02	7:00 AM	0	331131.1215	57.7
19-Sep	9	55.1	46.7	72.8	61.5	57.9	55.1	53.5	49	47.6		Thursday	09/19/02	8:00 AM	0	323593.6569	57.7
19-Sep	10	52	43.9	70.5	61.7	54.2	50.7	49.2	46.4	45.1		Thursday	09/19/02	9:00 AM	0	158489.3192	57.7
19-Sep	11	50.4	41.5	69.4	59.3	53	49.3	47.8	44.8	42.9		Thursday	09/19/02	10:00 AM	0	109647.8196	57.7
19-Sep	12	52.1	41.4	66.6	60.5	54.8	52.5	50.2	45.9	43.2		Thursday	09/19/02	11:00 AM	0	162181.0097	57.7
19-Sep	13	52.3	44.6	71.1	59.8	54.5	52.4	50.7	46.4	45.2		Thursday	09/19/02	12:00 PM	0	169824.3652	57.7
19-Sep	14	51.9	40.1	67.1	58.9	55.3	52.6	49.4	43.9	41.3		Thursday	09/19/02	1:00 PM	0	154881.6619	57.7
19-Sep	15	54.9	39.2	84.5	61.4	56.6	51	47.4	41.5	40		Thursday	09/19/02	2:00 PM	0	309029.5433	57.7
19-Sep	16	54.3	38.8	77.9	63.1	56.5	54.1	51.7	44.9	41.2		Thursday	09/19/02	3:00 PM	0	269153.4804	57.7
19-Sep	17	49.2	37.3	74.3	57.6	52	47.4	44.7	40.2	38.4		Thursday	09/19/02	4:00 PM	0	83176.37711	57.7
19-Sep	18	49.8	37.7	67.2	59.6	53	48.5	46.6	41.4	38.9		Thursday	09/19/02	5:00 PM	0	95499.2586	57.7
19-Sep	19	50.8	43.3	75.1	58.8	53.7	50.3	48.7	45.4	44.2		Thursday	09/19/02	6:00 PM	0	120226.4435	57.7
19-Sep	20	50.8	43.1	71.4	56.9	52.7	50.7	49.8	47.2	44.7		Thursday	09/19/02	7:00 PM	0	120226.4435	57.7
19-Sep	21	53.8	47.6	70.9	59.5	55.6	54	53.3	50.8	48.4		Thursday	09/19/02	8:00 PM	0	239883.2919	57.7
19-Sep	22	50.9	45.5	66.4	59.4	52.8	50.5	49.6	47.5	46.2		Thursday	09/19/02	9:00 PM	0	123026.8771	57.7
19-Sep	23	50.1	44.5	71.6	57.1	51.9	49.9	49	47.1	46		Thursday	09/19/02	10:00 PM	10	1023292.992	57.7
19-Sep	24	51.2	45.2	68.1	56.9	52.9	51.1	50.4	48.5	47.1		Thursday	09/19/02	11:00 PM	10	1318256.739	57.7
20-Sep	1	49.2	42.1	62.2	56.8	51	48.9	48.2	46.3	44.2		Friday	09/20/02	12:00 AM	10	831763.7711	56.8
20-Sep	2	50.1	42.6	68	60.2	50.6	48.8	47.9	46	45		Friday	09/20/02	1:00 AM	10	1023292.992	56.8
20-Sep	3	47.1	40.7	68.5	53.9	49.9	46.4	45.3	43.1	41.7		Friday	09/20/02	2:00 AM	10	512861.384	56.8
20-Sep	4	48.5	40.8	72.3	54.5	51.4	48.5	47.1	43.6	42.1		Friday	09/20/02	3:00 AM	10	707945.7844	56.8
20-Sep	5	49.4	43.8	59.9	55	51.7	49.6	48.6	46.3	45.1		Friday	09/20/02	4:00 AM	10	870963.59	56.8
20-Sep	6	47.8	43.5	61.4	52.3	49.4	48	47.4	45.7	44.5		Friday	09/20/02	5:00 AM	10	602559.5861	56.8
20-Sep	7	49.2	42.4	65.9	55.7	51.5	49.1	47.9	45	43.4		Friday	09/20/02	6:00 AM	10	831763.7711	56.8
20-Sep	8	56.1	48.3	74	63.4	58.4	56.3	55	51.6	49.4		Friday	09/20/02	7:00 AM	0	407380.2778	56.8
20-Sep	9	52.2	46.9	67.4	61.1	54.3	51.3	50.3	48.5	47.4		Friday	09/20/02	8:00 AM	0	165958.6907	56.8
20-Sep	10	52.5	46.1	72	60.4	55	52.1	50.6	48.2	47.1		Friday	09/20/02	9:00 AM	0	177827.941	56.8
20-Sep	11	53.6	42.7	72.4	63.6	56.4	52.1	49.9	45.4	44		Friday	09/20/02	10:00 AM	0	229086.7653	56.8
20-Sep	12	50.8	41.5	68.9	62	53.4	48.1	46.1	43.5	42.3		Friday	09/20/02	11:00 AM	0	120226.4435	56.8
20-Sep	13	52.9	41.3	70.5	64	55.9	49.4	46.9	43.4	42.2		Friday	09/20/02	12:00 PM	0	194984.46	56.8
20-Sep	14	52	40.5	74.1	60.6	55	51.1	49.1	44.4	42.4		Friday	09/20/02	1:00 PM	0	158489.3192	56.8
20-Sep	15	52.8	39.4	69.8	65.2	55	49.9	47.5	42.7	40.4		Friday	09/20/02	2:00 PM	0	190546.0718	56.8
20-Sep	16	52.9	37.9	72.1	65.7	53.9	49.1	46.3	41.1	39.3		Friday	09/20/02	3:00 PM	0	194984.46	56.8
20-Sep	17	52.7	38.2	78.6	62.3	53.6	49.1	46.6	41.4	39.6		Friday	09/20/02	4:00 PM	0	186208.7137	56.8
20-Sep	18	55.2	38.6	83.2	63	54.6	50	47.8	42.5	40.5		Friday	09/20/02	5:00 PM	0	331131.1215	56.8
20-Sep	19	52.2	39.9	72.3	61.4	54	51	49.7	45.6	41.4		Friday	09/20/02	6:00 PM	0	165958.6907	56.8
20-Sep	20	54.3	49.4	68.5	60.1	56.3	54.3	53.4	51.5	50.5		Friday	09/20/02	7:00 PM	0	269153.4804	56.8
20-Sep	21	53	47.8	65.1	58.6	54.6	53.2	52.5	50.2	48.6		Friday	09/20/02	8:00 PM	0	199526.2315	56.8
20-Sep	22	51.3	47.7	66.4	57.2	53.2	51.3	50.5	49.1	48.1		Friday	09/20/02	9:00 PM	0	134896.2883	56.8
20-Sep	23	52.2	47.1	69.9	58.2	54.2	52	51.2	49.1	48		Friday	09/20/02	10:00 PM	10	1659586.907	56.8
20-Sep	24	51.1	46.1	69	60.2	51.6	49.6	49	47.5	46.8		Friday	09/20/02	11:00 PM	10	1288249.552	56.8
21-Sep	1	50.2	46.2	74.2	54.9	51.5	49.9	49.3	47.7	47		Saturday	09/21/02	12:00 AM	10	1047128.548	58.6
21-Sep	2	50.2	45.4	69.5	54	52.1	50.3	49.6	47.7	46.3		Saturday	09/21/02	1:00 AM	10	1047128.548	58.6
21-Sep	3	50.5	42.4	74.3	53.8	51.9	50.8	50.1	46.8	43.7		Saturday	09/21/02	2:00 AM	10	1122018.454	58.6
21-Sep	4	47.3	41.6	65.4	53.7	49.4	47.1	46.1	43.8	42.5		Saturday	09/21/02	3:00 AM	10	537031.7964	58.6
21-Sep	5	47.9	42	66	52.7	50.2	48.2	47.1	44.3	43		Saturday	09/21/02	4:00 AM	10	616595.0019	58.6
21-Sep	6	49.9	43.7	63.3	55.5	52.3	50	49	46.4	44.8		Saturday	09/21/02	5:00 AM	10	977237.221	58.6
21-Sep	7	53.2	46.1	71.6	58.4	55.3	53.5	52.7	49.6	47.3		Saturday	09/21/02	6:00 AM	10	2089296.131	58.6
21-Sep	8	53.4	47.9	65.1	58.9	55.2	53.6	52.8	50.4	49.1		Saturday	09/21/02	7:00 AM	0	218776.1624	58.6
21-Sep	9	55	49.1	72.4	62.2	56.8	54.7	53.9	51.9	50.3		Saturday	09/21/02	8:00 AM	0	316227.766	58.6
21-Sep	10	56.9	48.7	81.4	63	59.7	56.8	55.6	52.1	50.1		Saturday	09/21/02	9:00 AM	0	489778.8194	58.6
21-Sep	11	56.5	48.4	80.7	62.9	58.7	56.3	55	51.7	50.1		Saturday	09/21/02	10:00 AM	0	446683.5922	58.6

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
21-Sep	12	57.6	51.7	73.9	63.9	59.7	57.5	56.7	54.6	53.2		Saturday	09/21/02	11:00 AM	0	575439.9373	58.6
21-Sep	13	56.1	44.1	74.4	62.6	58.5	56.3	55.2	51	47		Saturday	09/21/02	12:00 PM	0	407380.2778	58.6
21-Sep	14	53.6	43.7	71.6	62.3	56.6	52.8	51.1	47.3	45.1		Saturday	09/21/02	1:00 PM	0	229086.7653	58.6
21-Sep	15	55.7	43.8	81.3	65.9	57.5	53.3	51.6	47.7	45.4		Saturday	09/21/02	2:00 PM	0	371535.2291	58.6
21-Sep	16	53.9	44.2	70	60.7	56.1	53.8	52.8	49.2	45.9		Saturday	09/21/02	3:00 PM	0	245470.8916	58.6
21-Sep	17	55.2	48.4	71.6	62.8	57.1	54.8	54	52	50.4		Saturday	09/21/02	4:00 PM	0	331131.1215	58.6
21-Sep	18	60.9	42.5	91.5	61.6	55.1	51.9	50.4	46.5	44		Saturday	09/21/02	5:00 PM	0	1230268.771	58.6
21-Sep	19	51	42.7	73.2	59.9	53.1	49.8	48.8	46.2	44.3		Saturday	09/21/02	6:00 PM	0	125892.5412	58.6
21-Sep	20	52.6	46.9	67.1	57.9	54.5	52.8	52	49.3	47.8		Saturday	09/21/02	7:00 PM	0	181970.0859	58.6
21-Sep	21	54.3	47.9	76.4	61.8	55.2	53.6	52.7	49.9	48.8		Saturday	09/21/02	8:00 PM	0	269153.4804	58.6
21-Sep	22	54.5	48.2	66.6	58.9	56.8	54.9	53.9	50.4	49.1		Saturday	09/21/02	9:00 PM	0	281838.2931	58.6
21-Sep	23	52.4	47.3	68.9	56	53.7	52.7	52.3	49.7	48.3		Saturday	09/21/02	10:00 PM	10	1737800.829	58.6
21-Sep	24	54.1	47.3	70.6	63.6	54.7	53.2	52.6	51.1	49.9		Saturday	09/21/02	11:00 PM	10	2570395.783	58.6
22-Sep	1	51.6	47.3	69.9	56.9	52.7	51.5	51	49.5	48.4		Sunday	09/22/02	12:00 AM	10	1445439.771	58.4
22-Sep	2	51.7	47.2	73.2	55.5	52.4	51.4	50.8	49.3	48.2		Sunday	09/22/02	1:00 AM	10	1479108.388	58.4
22-Sep	3	50.3	43.3	62	54.1	52	50.8	50.1	47.7	44.5		Sunday	09/22/02	2:00 AM	10	1071519.305	58.4
22-Sep	4	48.7	42.1	58.3	53.8	51	48.6	47.8	46.4	44.5		Sunday	09/22/02	3:00 AM	10	741310.2413	58.4
22-Sep	5	50.9	41.4	63.1	55.3	53.1	51.6	50.6	46	43.3		Sunday	09/22/02	4:00 AM	10	1230268.771	58.4
22-Sep	6	51.9	41.7	62.4	56.1	54.3	52.6	51.6	46.3	43.2		Sunday	09/22/02	5:00 AM	10	1548816.619	58.4
22-Sep	7	51.3	43.1	59.8	56.3	53.9	51.8	50.4	46.9	44.6		Sunday	09/22/02	6:00 AM	10	1348962.883	58.4
22-Sep	8	51.8	45.5	79.5	59	53.3	50.8	49.9	48.1	46.9		Sunday	09/22/02	7:00 AM	0	151356.1248	58.4
22-Sep	9	49.7	41.2	76.7	55.8	51.9	49.7	48.6	44.2	42.4		Sunday	09/22/02	8:00 AM	0	93325.43008	58.4
22-Sep	10	47.8	39	63.8	56.7	50.9	47.1	45.3	42	40.2		Sunday	09/22/02	9:00 AM	0	60255.95861	58.4
22-Sep	11	48.4	38.7	69.3	57.4	51.2	47	45	41.6	40.2		Sunday	09/22/02	10:00 AM	0	69183.09709	58.4
22-Sep	12	49.3	38.7	75.8	57.6	52.2	47.8	45.6	41.4	40		Sunday	09/22/02	11:00 AM	0	85113.80382	58.4
22-Sep	13	49.6	39	72.6	59.4	51.7	46.8	44.6	41.2	40.1		Sunday	09/22/02	12:00 PM	0	91201.08394	58.4
22-Sep	14	47.3	37.8	63	56	50.6	45.9	44.1	41	39.1		Sunday	09/22/02	1:00 PM	0	53703.17964	58.4
22-Sep	15	48.6	38.4	72.2	57.5	51.5	46.4	44.3	41.1	39.5		Sunday	09/22/02	2:00 PM	0	72443.59601	58.4
22-Sep	16	48.1	37.9	63.7	57.7	51.9	46.8	44.1	40.1	38.9		Sunday	09/22/02	3:00 PM	0	64565.4229	58.4
22-Sep	17	47.5	39	68.4	56	50.1	45.8	44.1	41.3	40.1		Sunday	09/22/02	4:00 PM	0	56234.13252	58.4
22-Sep	18	48.6	39.4	72.2	56	51.2	47.1	45.5	42.6	40.5		Sunday	09/22/02	5:00 PM	0	72443.59601	58.4
22-Sep	19	52.6	41.7	69.2	58.8	55.8	53.1	51.5	44.8	42.5		Sunday	09/22/02	6:00 PM	0	181970.0859	58.4
22-Sep	20	54.2	48.6	66.6	59.6	55.8	54.5	53.7	51.6	50.2		Sunday	09/22/02	7:00 PM	0	263026.7992	58.4
22-Sep	21	56.3	48.6	69	59.2	57.8	56.7	56.1	54.1	52.2		Sunday	09/22/02	8:00 PM	0	426579.5188	58.4
22-Sep	22	57	51.8	64.8	60.4	58.6	57.5	56.9	55	54		Sunday	09/22/02	9:00 PM	0	501187.2336	58.4
22-Sep	23	55.8	48.9	66.5	58.9	57.7	56.4	55.6	53.3	51.1		Sunday	09/22/02	10:00 PM	10	3801893.963	58.4
22-Sep	24	51.9	47.3	70.2	56.6	54.4	51.9	50.9	48.6	48		Sunday	09/22/02	11:00 PM	10	1548816.619	58.4
23-Sep	1	49.4	46.3	61.1	53.4	50.8	49.6	49	47.7	47		Monday	09/23/02	12:00 AM	10	870963.59	57.2
23-Sep	2	47.9	43.9	61.2	51.9	49.7	48.2	47.5	45.9	44.9		Monday	09/23/02	1:00 AM	10	616595.0019	57.2
23-Sep	3	48.4	43.6	66.9	53.3	50.3	48.5	47.7	45.7	44.3		Monday	09/23/02	2:00 AM	10	691830.9709	57.2
23-Sep	4	47.6	43.1	58.6	51.9	49.7	48	47	44.8	43.7		Monday	09/23/02	3:00 AM	10	575439.9373	57.2
23-Sep	5	48.3	41.4	61.5	55.4	50.1	48.4	47.5	44.8	43		Monday	09/23/02	4:00 AM	10	676082.9754	57.2
23-Sep	6	51.8	46.3	62.5	57.4	53.7	52.1	51.2	48.6	47.2		Monday	09/23/02	5:00 AM	10	1513561.248	57.2
23-Sep	7	52.5	47	76.8	58	54.3	52.7	51.8	50	48.4		Monday	09/23/02	6:00 AM	10	1778279.41	57.2
23-Sep	8	55.9	48.5	70	62.8	58.6	56.1	54.7	51.5	50.2		Monday	09/23/02	7:00 AM	0	389045.145	57.2
23-Sep	9	57.6	50.3	75	63.9	59.9	57.9	56.6	53.2	51.2		Monday	09/23/02	8:00 AM	0	575439.9373	57.2
23-Sep	10	55.5	46.7	70.9	60.4	58.3	56	54.5	51.1	48.7		Monday	09/23/02	9:00 AM	0	354813.3892	57.2
23-Sep	11	52.1	42.8	66.2	60.4	55.1	51.7	50	46.1	44.3		Monday	09/23/02	10:00 AM	0	162181.0097	57.2
23-Sep	12	51.2	41.9	65.3	58.5	54.5	51.3	49.3	44.6	43.1		Monday	09/23/02	11:00 AM	0	131825.6739	57.2
23-Sep	13	52.1	42	68.4	61.5	54.8	51.4	49.5	45	43.3		Monday	09/23/02	12:00 PM	0	162181.0097	57.2
23-Sep	14	49.9	39.5	63.8	58.6	53.6	49	46.9	43.1	40.6		Monday	09/23/02	1:00 PM	0	97723.7221	57.2
23-Sep	15	56.5	41.5	88.6	62.5	55.5	50.3	48.3	45	43.1		Monday	09/23/02	2:00 PM	0	446683.5922	57.2
23-Sep	16	53.1	38.9	76.1	61.9	56.3	51.2	49.5	43.5	40.3		Monday	09/23/02	3:00 PM	0	204173.7945	57.2
23-Sep	17	49.6	39	72.4	58.9	52.9	48.3	46.2	41.5	40.1		Monday	09/23/02	4:00 PM	0	91201.08394	57.2
23-Sep	18	51.3	41.1	72.2	60.2	54.1	49.7	47.5	43.8	42.2		Monday	09/23/02	5:00 PM	0	134896.2883	57.2
23-Sep	19	54.1	44	80.8	63.8	54.8	51.2	49.9	46.6	45.1		Monday	09/23/02	6:00 PM	0	257039.5783	57.2
23-Sep	20	49.2	42.1	75.1	57.1	50.9	48.4	47.6	45.7	43.6		Monday	09/23/02	7:00 PM	0	83176.37711	57.2
23-Sep	21	49.7	44.2	65	56.9	51.6	49.4	48.7	46.7	45.3		Monday	09/23/02	8:00 PM	0	93325.43008	57.2
23-Sep	22	52	45.4	68.4	58.8	53.5	51.8	51	49.1	48		Monday	09/23/02	9:00 PM	0	158489.3192	57.2
23-Sep	23	51.9	46.6	65	59.4	54.3	51.5	50.5	48.5	47.4		Monday	09/23/02	10:00 PM	10	1548816.619	57.2
23-Sep	24	50.1	45.6	63.9	58.5	51.6	49.6	48.9	47.4	46.3		Monday	09/23/02	11:00 PM	10	1023292.992	57.2

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
24-Sep	1	50.2	45.7	62.3	55.1	51.8	50.3	49.6	48	47		Tuesday	09/24/02	12:00 AM	10	1047128.548	58.4
24-Sep	2	50	44.8	59.6	55.5	52.3	50.1	49.2	47.1	45.6		Tuesday	09/24/02	1:00 AM	10	1000000	58.4
24-Sep	3	49.6	43.9	80.6	54.7	51.5	49.1	48.1	46	44.8		Tuesday	09/24/02	2:00 AM	10	912010.8394	58.4
24-Sep	4	48.1	43.2	64.8	53.4	50.1	48.4	47.4	45.1	43.9		Tuesday	09/24/02	3:00 AM	10	645654.229	58.4
24-Sep	5	50.2	43.5	60.9	55.3	52.3	50.6	49.6	47.1	45.2		Tuesday	09/24/02	4:00 AM	10	1047128.548	58.4
24-Sep	6	52.7	46.7	69.2	57.9	54.8	53	52	49.4	47.9		Tuesday	09/24/02	5:00 AM	10	1862087.137	58.4
24-Sep	7	56.4	50.3	79.3	61.1	59.2	56.5	55.4	52.9	51.5		Tuesday	09/24/02	6:00 AM	10	4365158.322	58.4
24-Sep	8	55.4	51	70.4	61.1	57	55.5	54.7	52.9	52		Tuesday	09/24/02	7:00 AM	0	346736.8505	58.4
24-Sep	9	55.1	49.6	67.7	60.7	57.9	55.2	54.1	51.6	50.3		Tuesday	09/24/02	8:00 AM	0	323593.6569	58.4
24-Sep	10	54.6	47.9	83.3	59.6	56.6	54.6	53.6	50.9	49.2		Tuesday	09/24/02	9:00 AM	0	288403.1503	58.4
24-Sep	11	52.8	42.4	67.4	60.8	55.8	52.9	50.9	45.8	44		Tuesday	09/24/02	10:00 AM	0	190546.0718	58.4
24-Sep	12	49.7	39.8	68.2	60	52	47.9	46.2	42.8	41.2		Tuesday	09/24/02	11:00 AM	0	93325.43008	58.4
24-Sep	13	51.2	41.4	71.9	62.7	52.8	48.6	47	44.2	42.5		Tuesday	09/24/02	12:00 PM	0	131825.6739	58.4
24-Sep	14	51.6	40	74.1	62.5	52.3	47.8	46.2	42.9	41.4		Tuesday	09/24/02	1:00 PM	0	144543.9771	58.4
24-Sep	15	52.5	40	71.9	65.2	54.3	49.2	46.9	42.3	41		Tuesday	09/24/02	2:00 PM	0	177827.941	58.4
24-Sep	16	51.1	38	71	62.4	54.4	49.1	46.4	41.7	39.3		Tuesday	09/24/02	3:00 PM	0	128824.9552	58.4
24-Sep	17	49	37.5	65.5	57.6	52.7	48.3	45.9	40.8	38.6		Tuesday	09/24/02	4:00 PM	0	79432.82347	58.4
24-Sep	18	49.1	36.7	71.6	57.5	52	47.5	45.1	40.6	38.3		Tuesday	09/24/02	5:00 PM	0	81283.05162	58.4
24-Sep	19	49.8	40.2	64.4	58	52.6	49.3	47.7	44.3	41.5		Tuesday	09/24/02	6:00 PM	0	95499.2586	58.4
24-Sep	20	51.9	43.3	64.1	56.9	54.5	52.8	51.5	46	44.2		Tuesday	09/24/02	7:00 PM	0	154881.6619	58.4
24-Sep	21	52.4	46.5	70.1	57.9	54.4	52.6	51.7	48.8	47.5		Tuesday	09/24/02	8:00 PM	0	173780.0829	58.4
24-Sep	22	52.3	45.9	66.5	57.7	55.3	52.4	51.1	48.5	47.2		Tuesday	09/24/02	9:00 PM	0	169824.3652	58.4
24-Sep	23	52.9	46.4	62.3	57.6	55	53.2	52.3	49.8	47.8		Tuesday	09/24/02	10:00 PM	10	1949844.6	58.4
24-Sep	24	50.2	45.2	62.5	54.6	52.2	50.5	49.7	47.9	46.3		Tuesday	09/24/02	11:00 PM	10	1047128.548	58.4
25-Sep	1	49.5	43.4	63.1	54	51.8	49.7	48.7	46.5	45		Wednesday	09/25/02	12:00 AM	10	891250.9381	57.2
25-Sep	2	48.2	42.6	58.3	51.3	49.7	48.5	47.9	46.2	44.1		Wednesday	09/25/02	1:00 AM	10	660693.448	57.2
25-Sep	3	47.9	42.3	67.7	53.9	49.8	47.8	47	45.3	43.3		Wednesday	09/25/02	2:00 AM	10	616595.0019	57.2
25-Sep	4	45.9	41.2	63.2	51.1	47.7	45.8	45.3	43.5	42.2		Wednesday	09/25/02	3:00 AM	10	389045.145	57.2
25-Sep	5	49.1	41.8	58.5	54.2	51.5	49.5	48.6	45.8	43.3		Wednesday	09/25/02	4:00 AM	10	812830.5162	57.2
25-Sep	6	50.7	44	61.9	55.3	52.6	51.1	50.3	48.1	45.8		Wednesday	09/25/02	5:00 AM	10	1174897.555	57.2
25-Sep	7	53.9	49.8	66.2	58	56	54	53.1	51.3	50.3		Wednesday	09/25/02	6:00 AM	10	2454708.916	57.2
25-Sep	8	55.5	48.9	67	60.6	57.8	55.9	54.9	51.4	49.7		Wednesday	09/25/02	7:00 AM	0	354813.3892	57.2
25-Sep	9	56.7	49.4	68.7	64.5	59.2	56.3	55.3	52.5	50.4		Wednesday	09/25/02	8:00 AM	0	467735.1413	57.2
25-Sep	10	52.3	44.6	67.7	61.2	54.5	51.5	50.4	47.1	45.5		Wednesday	09/25/02	9:00 AM	0	169824.3652	57.2
25-Sep	11	50.1	43.5	69.9	56.9	52.9	49.9	48.5	45.9	44.7		Wednesday	09/25/02	10:00 AM	0	102329.2992	57.2
25-Sep	12	52.5	41	74.7	60.4	57.2	49.9	47.7	44.6	42.8		Wednesday	09/25/02	11:00 AM	0	177827.941	57.2
25-Sep	13	55.5	40.5	88.7	59.8	53.9	50.6	49.1	44.7	42.3		Wednesday	09/25/02	12:00 PM	0	354813.3892	57.2
25-Sep	14	53.3	39.7	78.9	64.5	56	49.4	46.8	42.2	40.5		Wednesday	09/25/02	1:00 PM	0	213796.209	57.2
25-Sep	15	50.5	38.9	68.8	59.7	53.8	48.7	45.9	41.6	40		Wednesday	09/25/02	2:00 PM	0	112201.8454	57.2
25-Sep	16	50.9	39.6	74.1	60.9	53.9	49.3	46.7	42	40.4		Wednesday	09/25/02	3:00 PM	0	123026.8771	57.2
25-Sep	17	50.8	39.4	68.7	60.2	53.8	50.1	47.8	43	40.9		Wednesday	09/25/02	4:00 PM	0	120226.4435	57.2
25-Sep	18	50.8	41	69.4	58.7	53.9	50.6	48.7	43.8	42.1		Wednesday	09/25/02	5:00 PM	0	120226.4435	57.2
25-Sep	19	51.4	42.8	68.1	59.6	54.7	50.9	49	45.1	43.5		Wednesday	09/25/02	6:00 PM	0	138038.4265	57.2
25-Sep	20	52.2	44.8	71.6	58.6	54.3	52.2	51.2	48.5	46.6		Wednesday	09/25/02	7:00 PM	0	165958.6907	57.2
25-Sep	21	53	46.5	68.6	59.8	55	53	51.8	49	47.5		Wednesday	09/25/02	8:00 PM	0	199526.2315	57.2
25-Sep	22	53.5	45.6	70.5	60.6	56.8	53.5	51	47.8	46.4		Wednesday	09/25/02	9:00 PM	0	223872.1139	57.2
25-Sep	23	53.3	43.5	66.4	58.9	56.8	54.1	51.6	45.7	44.2		Wednesday	09/25/02	10:00 PM	10	2137962.09	57.2
25-Sep	24	46.8	41.4	71.7	53.5	48	46.5	45.8	43.3	42.1		Wednesday	09/25/02	11:00 PM	10	478630.0923	57.2
26-Sep	1	46.2	40.8	66.1	51.7	48.7	46	44.4	42.5	41.6		Thursday	09/26/02	12:00 AM	10	416869.3835	53.9
26-Sep	2	45	39.7	63.6	51.8	47.4	44.7	43.7	42.1	41		Thursday	09/26/02	1:00 AM	10	316227.766	53.9
26-Sep	3	43.6	38.9	58.2	51.8	45.6	43	42.3	40.6	39.5		Thursday	09/26/02	2:00 AM	10	229086.7653	53.9
26-Sep	4	42.5	37.2	57.2	47.3	44.1	42.6	41.9	40.2	38.4		Thursday	09/26/02	3:00 AM	10	177827.941	53.9
26-Sep	5	45.5	36.1	58.2	53	48.6	45.4	43.9	39.6	37.7		Thursday	09/26/02	4:00 AM	10	354813.3892	53.9
26-Sep	6	44.6	38.1	62.4	51.6	46.8	44.6	43.3	40.4	39.1		Thursday	09/26/02	5:00 AM	10	288403.1503	53.9
26-Sep	7	48.3	41.7	62.7	55.2	50.9	48.5	46.9	43.5	42.3		Thursday	09/26/02	6:00 AM	10	676082.9754	53.9
26-Sep	8	52	43.6	68.8	59.8	54.9	51.4	49.6	46.2	44.9		Thursday	09/26/02	7:00 AM	0	158489.3192	53.9
26-Sep	9	50.9	42.4	71.3	58.9	54.1	50.4	48.8	45.4	43.5		Thursday	09/26/02	8:00 AM	0	123026.8771	53.9
26-Sep	10	51.6	43.3	69.5	62.6	53.6	50.3	48.6	45.3	44.1		Thursday	09/26/02	9:00 AM	0	144543.9771	53.9
26-Sep	11	50.3	42.1	67.9	60.5	52.9	48.2	46.4	44.1	43		Thursday	09/26/02	10:00 AM	0	107151.9305	53.9

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
26-Sep	12	53.3	41.6	78	63.6	53.5	48.7	46.5	43.5	42.3		Thursday	09/26/02	11:00 AM	0	213796.209	53.9
26-Sep	13	49.8	41.1	67.1	58.8	52.8	48.6	46.7	43.4	42.1		Thursday	09/26/02	12:00 PM	0	95499.2586	53.9
26-Sep	14	51.3	40.1	79.9	60.2	53.1	48.4	46.2	42.5	41.1		Thursday	09/26/02	1:00 PM	0	134896.2883	53.9
26-Sep	15	50.5	38.7	72.4	60.1	53.9	49	46.6	41.9	40.2		Thursday	09/26/02	2:00 PM	0	112201.8454	53.9
26-Sep	16	51.5	39.3	71.7	61.6	54.1	49	46.4	41.7	40.2		Thursday	09/26/02	3:00 PM	0	141253.7545	53.9
26-Sep	17	48.2	39.2	73.5	55.9	51.5	47.4	45.2	41.6	40.3		Thursday	09/26/02	4:00 PM	0	66069.3448	53.9
26-Sep	18	49.2	39.7	63.8	57.7	52.6	48.7	46.6	42.2	40.6		Thursday	09/26/02	5:00 PM	0	83176.37711	53.9
26-Sep	19	51.6	41.7	68.1	61	54.5	50.4	48.6	44.6	43.1		Thursday	09/26/02	6:00 PM	0	144543.9771	53.9
26-Sep	20	56	44.2	86	62	54.1	52.3	51.3	48.4	45.5		Thursday	09/26/02	7:00 PM	0	398107.1706	53.9
26-Sep	21	49.2	44.7	62.4	55.1	50.8	49	48.4	47	45.3		Thursday	09/26/02	8:00 PM	0	83176.37711	53.9
26-Sep	22	49.5	43.2	64.3	57.1	51.6	50	48.6	44.7	44		Thursday	09/26/02	9:00 PM	0	89125.09381	53.9
26-Sep	23	49	42.9	64.1	55.4	51.8	49	47.8	45.2	43.4		Thursday	09/26/02	10:00 PM	10	794328.2347	53.9
26-Sep	24	47.8	41.9	63.9	56.3	49.9	46.8	45.4	43.5	42.4		Thursday	09/26/02	11:00 PM	10	602559.5861	53.9
27-Sep	1	48.4	40.9	64.1	56	51.4	47.9	46.4	43.3	42.1		Friday	09/27/02	12:00 AM	10	691830.9709	54.1
27-Sep	2	41.4	35.6	55.4	46.8	42.9	41.6	40.9	39	37.3		Friday	09/27/02	1:00 AM	10	138038.4265	54.1
27-Sep	3	40.9	35.8	61.4	47.8	42.6	40.3	39.6	38.2	37		Friday	09/27/02	2:00 AM	10	123026.8771	54.1
27-Sep	4	43.7	37.6	56.8	49.1	45.8	43.8	43	40.3	39.1		Friday	09/27/02	3:00 AM	10	234422.8815	54.1
27-Sep	5	44.8	38.4	58.8	53.1	46.6	44.5	43.7	41.3	39.6		Friday	09/27/02	4:00 AM	10	301995.172	54.1
27-Sep	6	44.2	36.7	63.3	50.5	46.1	44.1	43.3	40.5	38.1		Friday	09/27/02	5:00 AM	10	263026.7992	54.1
27-Sep	7	49	43	63.4	54.2	51.2	49.2	48.2	45.6	44		Friday	09/27/02	6:00 AM	10	794328.2347	54.1
27-Sep	8	55	46.9	70.7	63.9	57.9	54	52.3	49.3	47.6		Friday	09/27/02	7:00 AM	0	316227.766	54.1
27-Sep	9	52.9	45.8	68.7	60.2	55.1	52.5	51.4	48.7	47.1		Friday	09/27/02	8:00 AM	0	194984.46	54.1
27-Sep	10	53	47.8	69.2	59.8	54.9	52.7	51.9	50.1	48.9		Friday	09/27/02	9:00 AM	0	199526.2315	54.1
27-Sep	11	53.7	44.9	68.7	61.1	56.6	53.4	52	49.3	46.9		Friday	09/27/02	10:00 AM	0	234422.8815	54.1
27-Sep	12	52.4	44.8	75.2	58.6	54.4	52	51	48.2	46.5		Friday	09/27/02	11:00 AM	0	173780.0829	54.1
27-Sep	13	53.7	45.1	67.5	61.1	57.2	52.7	51.6	49.2	47.6		Friday	09/27/02	12:00 PM	0	234422.8815	54.1
27-Sep	14	50.4	41.3	72.2	59.1	53.5	49.2	47.6	44.1	42.5		Friday	09/27/02	1:00 PM	0	109647.8196	54.1
27-Sep	15	50.3	41.2	66	59.8	53.6	49.2	46.9	43.4	42.1		Friday	09/27/02	2:00 PM	0	107151.9305	54.1
27-Sep	16	52.7	38.6	78.7	63.9	53.2	48.6	46.1	41.6	40		Friday	09/27/02	3:00 PM	0	186208.7137	54.1
27-Sep	17	51.3	39.6	75.8	61.7	53.7	49.2	47	42	40.4		Friday	09/27/02	4:00 PM	0	134896.2883	54.1
27-Sep	18	49.8	38.6	64	58.3	53.6	49.2	46.8	41.6	39.7		Friday	09/27/02	5:00 PM	0	95499.2586	54.1
27-Sep	19	49.8	38.3	71.6	60.3	52.7	47.9	45.5	40.6	39.3		Friday	09/27/02	6:00 PM	0	95499.2586	54.1
27-Sep	20	48.2	39.3	63.8	58.1	51.1	46.8	45.1	42.6	41		Friday	09/27/02	7:00 PM	0	66069.3448	54.1
27-Sep	21	54.4	40.3	81.7	63.7	50.3	45	43.6	41.9	41.1		Friday	09/27/02	8:00 PM	0	275422.8703	54.1
27-Sep	22	47.5	40.3	62.6	56.6	50.7	46.2	44.8	41.7	41		Friday	09/27/02	9:00 PM	0	56234.13252	54.1
27-Sep	23	46.9	40.2	64	57.2	48.1	44.9	44	42.7	41.5		Friday	09/27/02	10:00 PM	10	489778.8194	54.1
27-Sep	24	47.8	41.2	65.7	57.8	49.4	46.2	45.3	42.8	42		Friday	09/27/02	11:00 PM	10	602559.5861	54.1
28-Sep	1	46.7	42.2	59.8	51.2	48	46.9	46.3	44.7	43.3		Saturday	09/28/02	12:00 AM	10	467735.1413	54.3
28-Sep	2	43.9	39.8	60.3	49.2	44.9	43.8	43.4	42.3	41.3		Saturday	09/28/02	1:00 AM	10	245470.8916	54.3
28-Sep	3	43.3	39	72.7	48.6	43.9	43	42.5	40.7	39.8		Saturday	09/28/02	2:00 AM	10	213796.209	54.3
28-Sep	4	43	36.8	59.3	47.6	44.8	43.5	42.7	39.8	38.1		Saturday	09/28/02	3:00 AM	10	199526.2315	54.3
28-Sep	5	44.9	35.9	65.8	55.6	46.1	43.4	42.1	38.8	37.2		Saturday	09/28/02	4:00 AM	10	309029.5433	54.3
28-Sep	6	52.6	39.7	77.7	65.6	47.8	45.7	44.9	43.1	41.6		Saturday	09/28/02	5:00 AM	10	1819700.859	54.3
28-Sep	7	47	41.3	61.3	52.7	49.2	47.2	46.3	44	42.4		Saturday	09/28/02	6:00 AM	10	501187.2336	54.3
28-Sep	8	49.6	38.9	66.1	58.8	52.9	48.6	46.6	41.9	40		Saturday	09/28/02	7:00 AM	0	91201.08394	54.3
28-Sep	9	51.4	44.5	65.5	59.7	54	51	49.7	46.6	45.2		Saturday	09/28/02	8:00 AM	0	138038.4265	54.3
28-Sep	10	52	42.3	67.5	60	54.1	51.8	50.7	47.1	44.4		Saturday	09/28/02	9:00 AM	0	158489.3192	54.3
28-Sep	11	51.3	42.9	71.9	60.8	53.5	50.2	48.6	45.5	44		Saturday	09/28/02	10:00 AM	0	134896.2883	54.3
28-Sep	12	53.4	42.5	79.1	60	53.1	49.9	48.4	45.3	43.5		Saturday	09/28/02	11:00 AM	0	218776.1624	54.3
28-Sep	13	50.1	40.5	68.1	59.3	52.8	49.1	47.3	43.6	42		Saturday	09/28/02	12:00 PM	0	102329.2992	54.3
28-Sep	14	48.7	41.5	63	56.3	52	48.3	46.5	43.6	42.3		Saturday	09/28/02	1:00 PM	0	74131.02413	54.3
28-Sep	15	50.8	42.1	66.4	59	53.5	50.4	48.9	45.3	43.2		Saturday	09/28/02	2:00 PM	0	120226.4435	54.3
28-Sep	16	51.7	39	71.7	61.5	53.8	50.7	49.3	43.3	41		Saturday	09/28/02	3:00 PM	0	147910.8388	54.3
28-Sep	17	51	37.2	70.3	60	54.1	50.2	48.1	41.8	39		Saturday	09/28/02	4:00 PM	0	125892.5412	54.3
28-Sep	18	51.1	40.8	64.9	61.3	54.2	49.4	47.7	43.9	42.1		Saturday	09/28/02	5:00 PM	0	128824.9552	54.3
28-Sep	19	48.9	37.3	69.8	59	52.1	46.3	43.8	40.4	38.6		Saturday	09/28/02	6:00 PM	0	77624.71166	54.3
28-Sep	20	47.1	38.7	64.8	54.4	49.5	47.4	46.1	41.3	39.9		Saturday	09/28/02	7:00 PM	0	51286.1384	54.3
28-Sep	21	50	38	74.3	61.2	51	47.3	46.2	40.5	38.6		Saturday	09/28/02	8:00 PM	0	100000	54.3
28-Sep	22	45.4	36.8	70.4	54.6	48.6	43.6	42	39.3	37.9		Saturday	09/28/02	9:00 PM	0	34673.68505	54.3
28-Sep	23	49.3	37.7	68.1	58.8	52.2	47.9	46.4	42	39.6		Saturday	09/28/02	10:00 PM	10	851138.0382	54.3

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
28-Sep	24	42.6	35.5	59.1	52.8	44.4	41	40	38.1	37.1		Saturday	09/28/02	11:00 PM	10	181970.0859	54.3
29-Sep	1	43.1	36	64.5	52.4	44.8	42.4	41.3	38.6	37.1		Sunday	09/29/02	12:00 AM	10	204173.7945	52.4
29-Sep	2	50.1	35.9	72	59	53.8	49.2	45.7	41.1	38.1		Sunday	09/29/02	1:00 AM	10	1023292.992	52.4
29-Sep	3	44	36.5	66.5	53.7	45.6	42.6	41.5	39.3	38		Sunday	09/29/02	2:00 AM	10	251188.6432	52.4
29-Sep	4	42.8	34.5	62.5	51	45	42.5	41.4	38.6	36.9		Sunday	09/29/02	3:00 AM	10	190546.0718	52.4
29-Sep	5	41.3	32.1	63	51.8	42.6	39.7	38.6	35.8	34.1		Sunday	09/29/02	4:00 AM	10	134896.2883	52.4
29-Sep	6	42.8	31.8	58.6	49.9	45.4	43	41.7	35.9	33.2		Sunday	09/29/02	5:00 AM	10	190546.0718	52.4
29-Sep	7	42.5	29.9	60.1	52	45.6	42.9	38.9	33.1	31.3		Sunday	09/29/02	6:00 AM	10	177827.941	52.4
29-Sep	8	48.5	34.9	70.5	57	51.4	48.4	46.5	41.5	36.3		Sunday	09/29/02	7:00 AM	0	70794.57844	52.4
29-Sep	9	45.3	34.8	62.8	55.3	49.1	43.2	40.6	37.3	35.9		Sunday	09/29/02	8:00 AM	0	33884.41561	52.4
29-Sep	10	45.4	34.4	60.3	54.5	49	43.9	41.7	37.9	36.1		Sunday	09/29/02	9:00 AM	0	34673.68505	52.4
29-Sep	11	47	36.4	71.2	55	49	45.5	43.9	40.4	38.2		Sunday	09/29/02	10:00 AM	0	50118.72336	52.4
29-Sep	12	46.7	39	64.1	54.8	49.7	45.9	44.1	41.3	40.1		Sunday	09/29/02	11:00 AM	0	46773.51413	52.4
29-Sep	13	47.3	37.9	60.8	55.8	50.7	46.6	44.7	41	39.3		Sunday	09/29/02	12:00 PM	0	53703.17964	52.4
29-Sep	14	47.6	37.8	72.9	56.4	49.9	45	43.3	40	38.5		Sunday	09/29/02	1:00 PM	0	57543.99373	52.4
29-Sep	15	48.2	37.5	70.9	57.4	51.2	46.5	44.2	40	38.3		Sunday	09/29/02	2:00 PM	0	66069.3448	52.4
29-Sep	16	49	39.2	73.9	58	52.1	47.5	45.3	41.4	40.1		Sunday	09/29/02	3:00 PM	0	79432.82347	52.4
29-Sep	17	47.9	37.6	65.4	57.5	51.3	46.5	44.4	40.2	38.5		Sunday	09/29/02	4:00 PM	0	61659.50019	52.4
29-Sep	18	50.4	38	70.9	60.8	53.6	48.2	45.8	41.6	39.7		Sunday	09/29/02	5:00 PM	0	109647.8196	52.4
29-Sep	19	48.9	37.2	71.5	58.6	51.9	47.1	44.8	39.9	38.3		Sunday	09/29/02	6:00 PM	0	77624.71166	52.4
29-Sep	20	49.3	38.7	67.2	57.3	51.9	48.9	47.4	43.9	40.1		Sunday	09/29/02	7:00 PM	0	85113.80382	52.4
29-Sep	21	48.9	40.5	66.6	58	51.4	48	46.6	43.8	41.9		Sunday	09/29/02	8:00 PM	0	77624.71166	52.4
29-Sep	22	48.2	41.8	68.6	56.3	49.7	47	46.1	43.9	42.6		Sunday	09/29/02	9:00 PM	0	66069.3448	52.4
29-Sep	23	48.2	39.4	60.2	54.9	51.7	48.3	46.3	41.5	40.2		Sunday	09/29/02	10:00 PM	10	660693.448	52.4
29-Sep	24	45.9	38.6	59.5	51.6	47.9	46	45.1	42.4	40.7		Sunday	09/29/02	11:00 PM	10	389045.145	52.4
																Overall Ldn	56.7

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
26-Sep	16	70.5	47	96.8	77.8	73.9	70.7	68.4	56.5	49.8		Thursday	09/26/02	3:00 PM	0	11220184.54	72.5
26-Sep	17	70.5	48.1	87.6	77.6	74.2	71.1	68.8	56.7	50.2		Thursday	09/26/02	4:00 PM	0	11220184.54	72.5
26-Sep	18	70.7	47	86.8	76.9	74.2	71.5	69.3	58.2	50.4		Thursday	09/26/02	5:00 PM	0	11748975.55	72.5
26-Sep	19	70.5	47.6	82.3	76.9	73.9	71.2	69.3	59.2	53.3		Thursday	09/26/02	6:00 PM	0	11220184.54	72.5
26-Sep	20	69.3	47.7	84	76.8	73.5	69.7	66.2	53.1	49.2		Thursday	09/26/02	7:00 PM	0	8511380.382	72.5
26-Sep	21	68	46	84.2	76.5	72.7	67.3	62.5	50.6	47.8		Thursday	09/26/02	8:00 PM	0	6309573.445	72.5
26-Sep	22	67.7	45.9	80.8	75.9	72.3	67.4	62.6	50.6	47.3		Thursday	09/26/02	9:00 PM	0	5888436.554	72.5
26-Sep	23	67.3	50.4	84.6	76.7	72	65.5	60.4	52.8	51.2		Thursday	09/26/02	10:00 PM	10	53703179.64	72.5
26-Sep	24	63.4	48.8	78.8	74.3	68.3	57.7	54.4	51.1	49.3		Thursday	09/26/02	11:00 PM	10	21877616.24	72.5
27-Sep	1	61.6	49.1	85.4	73	65	55.5	53.1	51.3	50.2		Friday	09/27/02	12:00 AM	10	14454397.71	71.9
27-Sep	2	58.8	50.2	77.7	71.3	58	55.3	54.6	51.6	50.9		Friday	09/27/02	1:00 AM	10	7585775.75	71.9
27-Sep	3	56.9	49.6	76.6	70.2	54.9	52.1	51.5	50.3	50		Friday	09/27/02	2:00 AM	10	4897788.194	71.9
27-Sep	4	56.5	49.9	80	69.2	53.9	52.2	51.8	51	50.1		Friday	09/27/02	3:00 AM	10	4466835.922	71.9
27-Sep	5	59.2	49.7	79	72.6	58.8	52.5	51.8	51	50.1		Friday	09/27/02	4:00 AM	10	8317637.711	71.9
27-Sep	6	65.1	45.7	83.5	75.9	69.9	59	54.4	49.3	46.4		Friday	09/27/02	5:00 AM	10	32359365.69	71.9
27-Sep	7	68.3	39.7	82.8	76.9	73.1	67.5	62.6	48.8	42.3		Friday	09/27/02	6:00 AM	10	67608297.54	71.9
27-Sep	8	70.4	42.9	86.3	77.7	74.1	71	68.5	55.4	46.2		Friday	09/27/02	7:00 AM	0	10964781.96	71.9
27-Sep	9	70.3	45.5	90.6	77	73.9	70.8	68.3	57.7	50.5		Friday	09/27/02	8:00 AM	0	10715193.05	71.9
27-Sep	10	69.4	42.8	98.5	76.8	73.2	69.6	66.3	53.1	45.1		Friday	09/27/02	9:00 AM	0	8709635.9	71.9
27-Sep	11	69.1	42.9	83.1	76.9	73.4	69.4	66.1	52.5	46.3		Friday	09/27/02	10:00 AM	0	8128305.162	71.9
27-Sep	12	69.4	42	84.9	76.7	73.4	70	66.8	54.4	47		Friday	09/27/02	11:00 AM	0	8709635.9	71.9
27-Sep	13	69.6	43.5	84.4	76.9	73.6	70.1	67.1	54.8	46.5		Friday	09/27/02	12:00 PM	0	9120108.394	71.9
27-Sep	14	69.6	44.8	83.8	76.9	73.6	70.1	67.1	54.6	47.5		Friday	09/27/02	1:00 PM	0	9120108.394	71.9
27-Sep	15	69.6	42.2	84.4	77.1	73.6	69.9	67.2	54.5	45.9		Friday	09/27/02	2:00 PM	0	9120108.394	71.9
27-Sep	16	70.4	46	86.4	77.2	74.1	71.1	68.8	56.8	50.1		Friday	09/27/02	3:00 PM	0	10964781.96	71.9
27-Sep	17	70.8	47.4	92.8	77.4	74.3	71.3	69.2	57.6	51.1		Friday	09/27/02	4:00 PM	0	12022644.35	71.9
27-Sep	18	70.6	45.5	88.7	77.3	74.2	71.1	69	57.7	48.7		Friday	09/27/02	5:00 PM	0	11481536.21	71.9
27-Sep	19	70.5	44.2	84.8	77.4	74.3	71.1	68.7	57	48		Friday	09/27/02	6:00 PM	0	11220184.54	71.9
27-Sep	20	69.4	46	88.3	76.8	73.5	69.7	66.4	53.9	48.3		Friday	09/27/02	7:00 PM	0	8709635.9	71.9
27-Sep	21	68	44.5	84.5	76.6	72.6	67.3	62.3	50.1	46.7		Friday	09/27/02	8:00 PM	0	6309573.445	71.9
27-Sep	22	67.6	45.1	86.6	76.3	72.1	66.9	62.2	50.7	47.3		Friday	09/27/02	9:00 PM	0	5754399.373	71.9
27-Sep	23	67.1	50.8	80.6	75.9	71.9	65.8	61	53.6	51.8		Friday	09/27/02	10:00 PM	10	51286138.4	71.9
27-Sep	24	65.9	49.4	89.9	75.6	70.7	62.9	58.3	52.9	50.9		Friday	09/27/02	11:00 PM	10	38904514.5	71.9
28-Sep	1	63.1	50.6	83.9	74.1	67	57.8	54.6	52.4	51.5		Saturday	09/28/02	12:00 AM	10	20417379.45	71.5
28-Sep	2	61.4	51.1	82	72.8	64.3	56.7	55.7	52.9	52		Saturday	09/28/02	1:00 AM	10	13803842.65	71.5
28-Sep	3	59.1	50.5	83.5	71.7	58.8	53.2	52.7	51.4	51		Saturday	09/28/02	2:00 AM	10	8128305.162	71.5
28-Sep	4	58.2	50.4	78.9	71	57.5	53	52.6	51.4	51		Saturday	09/28/02	3:00 AM	10	6606934.48	71.5
28-Sep	5	57.9	49.9	79.9	71	56.3	52.4	51.8	51	50.1		Saturday	09/28/02	4:00 AM	10	6165950.019	71.5
28-Sep	6	61.6	45.4	83.5	74.3	63.7	53	51.5	46.9	46.1		Saturday	09/28/02	5:00 AM	10	14454397.71	71.5
28-Sep	7	65.1	38.9	83	76	69.8	59.6	54.1	45.2	41.1		Saturday	09/28/02	6:00 AM	10	32359365.69	71.5
28-Sep	8	67.9	40.8	81.8	76.9	72.8	66.8	61.2	47.8	43.5		Saturday	09/28/02	7:00 AM	0	6165950.019	71.5
28-Sep	9	68.9	42.4	85.6	76.8	73.3	69.1	65.4	51.4	45		Saturday	09/28/02	8:00 AM	0	7762471.166	71.5
28-Sep	10	69.4	43.2	93	76.9	73	69	65.7	53.1	47.1		Saturday	09/28/02	9:00 AM	0	8709635.9	71.5
28-Sep	11	69.4	44.5	85.3	76.9	73.4	69.8	66.5	53.9	46.8		Saturday	09/28/02	10:00 AM	0	8709635.9	71.5
28-Sep	12	69.7	43	87.7	77.3	73.5	70.1	67.4	54.5	47		Saturday	09/28/02	11:00 AM	0	9332543.008	71.5
28-Sep	13	70.1	43.5	89.2	77.2	73.8	70.5	67.7	54.3	46.2		Saturday	09/28/02	12:00 PM	0	10232929.92	71.5
28-Sep	14	69.5	42.1	81.4	76.7	73.4	70.1	67.3	53.3	45.6		Saturday	09/28/02	1:00 PM	0	8912509.381	71.5
28-Sep	15	69.4	44.1	85	76.8	73.5	69.7	66.9	54.3	47.1		Saturday	09/28/02	2:00 PM	0	8709635.9	71.5
28-Sep	16	69.3	44.5	83.1	76.6	73.2	69.8	67.2	53.5	47.2		Saturday	09/28/02	3:00 PM	0	8511380.382	71.5
28-Sep	17	71.4	45.3	89.8	78.8	75.4	71.8	69.1	56.4	48.3		Saturday	09/28/02	4:00 PM	0	13803842.65	71.5
28-Sep	18	69.9	43.9	84.9	77.5	74	70.2	67.1	52.9	45.8		Saturday	09/28/02	5:00 PM	0	9772372.21	71.5
28-Sep	19	69.3	44.3	85.4	76.8	73.5	69.8	66.4	52.9	46.9		Saturday	09/28/02	6:00 PM	0	8511380.382	71.5
28-Sep	20	68.8	43.6	82.9	77	73.3	68.7	64.8	51	45.7		Saturday	09/28/02	7:00 PM	0	7585775.75	71.5
28-Sep	21	67.4	43.8	86.3	76.3	72.3	66.3	61.4	49.4	45.7		Saturday	09/28/02	8:00 PM	0	5495408.739	71.5
28-Sep	22	68.1	43.4	82.4	77.5	73	66.8	61.5	48.4	44.8		Saturday	09/28/02	9:00 PM	0	6456542.29	71.5
28-Sep	23	67.9	43.9	85.8	77	72.5	66.8	61.8	49	45.7		Saturday	09/28/02	10:00 PM	10	61659500.19	71.5
28-Sep	24	66.4	39.4	83.1	76	71.2	64.1	58.5	47.2	43.4		Saturday	09/28/02	11:00 PM	10	43651583.22	71.5

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
29-Sep	1	63.7	36.5	81.7	74.5	68.4	59.3	54.1	42.2	38.7		Sunday	09/29/02	12:00 AM	10	23442288.15	69.7
29-Sep	2	63.9	37.7	80.9	76.1	67.6	56.8	52.3	44.6	39.3		Sunday	09/29/02	1:00 AM	10	24547089.16	69.7
29-Sep	3	60	35.3	81.7	73.8	59.8	46	42.9	37.9	36.3		Sunday	09/29/02	2:00 AM	10	10000000	69.7
29-Sep	4	56.3	32.6	79.6	70.3	53.8	42.7	41	36.3	34		Sunday	09/29/02	3:00 AM	10	4265795.188	69.7
29-Sep	5	54.2	35.1	80.7	68.8	48.6	40.9	40.4	38.6	37.3		Sunday	09/29/02	4:00 AM	10	2630267.992	69.7
29-Sep	6	58.8	32.7	82.8	72.6	58.4	44.5	39.4	35.4	34.1		Sunday	09/29/02	5:00 AM	10	7585775.75	69.7
29-Sep	7	63	34	82.6	75.1	66.9	54.4	48.2	38	35.5		Sunday	09/29/02	6:00 AM	10	19952623.15	69.7
29-Sep	8	65.5	37.6	85.3	76	70.3	60.8	54.3	42.3	39.1		Sunday	09/29/02	7:00 AM	0	3548133.892	69.7
29-Sep	9	66.3	39.3	80.8	76	71.2	63.8	58.8	46.9	42.1		Sunday	09/29/02	8:00 AM	0	4265795.188	69.7
29-Sep	10	67.7	40.3	80.7	76.5	72.4	67	62.1	48.5	42.8		Sunday	09/29/02	9:00 AM	0	5888436.554	69.7
29-Sep	11	68.5	39.2	88.5	77	72.9	68	63.4	48.6	42.8		Sunday	09/29/02	10:00 AM	0	7079457.844	69.7
29-Sep	12	68.7	41.3	83.6	76.7	73	68.9	64.6	50.1	44		Sunday	09/29/02	11:00 AM	0	7413102.413	69.7
29-Sep	13	68.5	43.6	82.3	76.3	72.8	68.7	65	51.1	45.7		Sunday	09/29/02	12:00 PM	0	7079457.844	69.7
29-Sep	14	68.4	42.4	88.6	76.3	72.6	68.5	64.8	50.8	45.6		Sunday	09/29/02	1:00 PM	0	6918309.709	69.7
29-Sep	15	68.7	44	89.4	76.1	72.9	69	65.5	50.8	45.9		Sunday	09/29/02	2:00 PM	0	7413102.413	69.7
29-Sep	16	68.4	45.4	88.3	75.9	72.5	68.8	65.4	51.3	47		Sunday	09/29/02	3:00 PM	0	6918309.709	69.7
29-Sep	17	68.2	46.7	85.9	75.8	72.4	68.5	65.2	52	48.2		Sunday	09/29/02	4:00 PM	0	6606934.48	69.7
29-Sep	18	68.2	47.1	80.3	75.6	72.4	68.6	65.4	52.9	48.8		Sunday	09/29/02	5:00 PM	0	6606934.48	69.7
29-Sep	19	67.7	47.1	82	76	72.1	67.4	63.4	52	48.6		Sunday	09/29/02	6:00 PM	0	5888436.554	69.7
29-Sep	20	67.4	47.4	91.5	75.8	71.8	66.7	62.4	52	49.3		Sunday	09/29/02	7:00 PM	0	5495408.739	69.7
29-Sep	21	66.7	47.8	81.2	75.6	71.2	65.5	61.4	51.7	49.6		Sunday	09/29/02	8:00 PM	0	4677351.413	69.7
29-Sep	22	65.7	46.1	81.5	75.3	70.5	63.5	59.1	49.7	47.3		Sunday	09/29/02	9:00 PM	0	3715352.291	69.7
29-Sep	23	63.9	49.1	79.7	74.2	68.5	60.5	56.6	51.4	50.1		Sunday	09/29/02	10:00 PM	10	24547089.16	69.7
29-Sep	24	62.2	48.5	79.9	73.9	66.1	55.5	53	50.4	49.2		Sunday	09/29/02	11:00 PM	10	16595869.07	69.7
30-Sep	1	59.3	48.4	77.3	71.8	61.2	53.3	52.1	50.8	49.3		Monday	09/30/02	12:00 AM	10	8511380.382	71.1
30-Sep	2	57.8	50.2	79.1	69.5	56.9	55	54.5	51.4	50.6		Monday	09/30/02	1:00 AM	10	6025595.861	71.1
30-Sep	3	55.3	49.5	76.9	68	53.3	51.8	51.3	50.3	50		Monday	09/30/02	2:00 AM	10	3388441.561	71.1
30-Sep	4	55.9	49.6	76.1	68.5	53.9	52.4	51.9	51	50.1		Monday	09/30/02	3:00 AM	10	3890451.45	71.1
30-Sep	5	58.6	49.2	80.7	71.9	57.4	52.5	51.9	51	50.1		Monday	09/30/02	4:00 AM	10	7244359.601	71.1
30-Sep	6	65	49.6	80.9	76.2	69.6	58.9	54.9	51.6	50.5		Monday	09/30/02	5:00 AM	10	31622776.6	71.1
30-Sep	7	68.6	50.8	85.6	77	73.4	67.7	62.7	53.9	52		Monday	09/30/02	6:00 AM	10	72443596.01	71.1
30-Sep	8	70.6	51.4	95.1	77.7	74.3	71	68.6	57.6	53.2		Monday	09/30/02	7:00 AM	0	11481536.21	71.1
30-Sep	9	69.8	44.4	82.7	76.7	73.7	70.5	68	56.4	47.3		Monday	09/30/02	8:00 AM	0	9549925.86	71.1
30-Sep	10	69.2	42.1	85.1	76.8	73.3	69.4	66.2	52.5	45.7		Monday	09/30/02	9:00 AM	0	8317637.711	71.1
30-Sep	11	68.7	40.3	87.7	76.3	73	68.9	65.2	52.8	45.1		Monday	09/30/02	10:00 AM	0	7413102.413	71.1
30-Sep	12	68.4	42.6	86.4	76.6	72.7	68.3	64.8	51	45.5		Monday	09/30/02	11:00 AM	0	6918309.709	71.1
30-Sep	13	69.4	46.6	86.9	76.8	73.4	69.8	67	54.6	48.9		Monday	09/30/02	12:00 PM	0	8709635.9	71.1
30-Sep	14	68.6	44.3	84.6	75.9	72.6	68.9	66	54.3	46.8		Monday	09/30/02	1:00 PM	0	7244359.601	71.1
30-Sep	15	69	43.3	82.7	76.4	73	69.5	66.7	54.5	46.8		Monday	09/30/02	2:00 PM	0	7943282.347	71.1
30-Sep	16	69.6	46.6	84	76.4	73.4	70.3	68.1	56.8	50.1		Monday	09/30/02	3:00 PM	0	9120108.394	71.1
30-Sep	17	69.9	46.2	82.7	76.7	73.5	70.5	68.3	58.3	51.1		Monday	09/30/02	4:00 PM	0	9772372.21	71.1
30-Sep	18	70.1	47.5	87.4	76.9	73.6	70.6	68.4	57.7	50.4		Monday	09/30/02	5:00 PM	0	10232929.92	71.1
30-Sep	19	69.3	45.6	81.9	76.1	73.3	70.2	67.4	55.2	48.5		Monday	09/30/02	6:00 PM	0	8511380.382	71.1
30-Sep	20	68.2	46.3	86.5	76.1	72.5	68.2	64.3	51.1	48.1		Monday	09/30/02	7:00 PM	0	6606934.48	71.1
30-Sep	21	67.3	45.1	92.2	76.1	71.7	65.4	60	49.6	46.9		Monday	09/30/02	8:00 PM	0	5370317.964	71.1
30-Sep	22	65.8	43.6	84.7	75.5	70.7	63.3	58.1	48.1	46		Monday	09/30/02	9:00 PM	0	3801893.963	71.1
30-Sep	23	65.5	48.6	81.6	75.4	70.5	61.9	57.7	51.4	50.1		Monday	09/30/02	10:00 PM	10	35481338.92	71.1
30-Sep	24	62.5	48.5	80.3	73.9	66.8	56.3	53.7	51.1	49.8		Monday	09/30/02	11:00 PM	10	17782794.1	71.1
1-Oct	1	59.3	49.8	79.6	71.7	60.9	53	52.5	51.3	50.5		Tuesday	10/01/02	12:00 AM	10	8511380.382	71.3
1-Oct	2	58.3	50	80.4	70.5	57.1	55	54.5	51.7	51		Tuesday	10/01/02	1:00 AM	10	6760829.754	71.3
1-Oct	3	56.4	49.5	80.1	69.8	54.5	51.9	51.4	50.3	50		Tuesday	10/01/02	2:00 AM	10	4365158.322	71.3
1-Oct	4	57.5	49.6	82.9	70.2	54.4	52	51.7	50.7	50.1		Tuesday	10/01/02	3:00 AM	10	5623413.252	71.3
1-Oct	5	59.7	48.9	81.4	73.2	59.8	51.9	51.2	50.2	49.4		Tuesday	10/01/02	4:00 AM	10	9332543.008	71.3
1-Oct	6	65.2	46.1	85.5	76.2	69.8	59.1	54.3	49.7	46.8		Tuesday	10/01/02	5:00 AM	10	33113112.15	71.3
1-Oct	7	68.7	43	88.5	77.6	73.1	67.6	62.4	50.3	45.5		Tuesday	10/01/02	6:00 AM	10	74131024.13	71.3
1-Oct	8	69.8	41.2	87.9	76.9	73.5	70.4	67.9	53.8	44.7		Tuesday	10/01/02	7:00 AM	0	9549925.86	71.3
1-Oct	9	69.4	43.9	84.5	76.6	73.2	70.1	67.7	54.2	46.6		Tuesday	10/01/02	8:00 AM	0	8709635.9	71.3
1-Oct	10	68.6	43.1	81.8	76.2	72.8	69	65.9	52.2	46.2		Tuesday	10/01/02	9:00 AM	0	7244359.601	71.3
1-Oct	11	68.7	44.2	84	76.6	72.8	68.9	65.7	54.1	47.7		Tuesday	10/01/02	10:00 AM	0	7413102.413	71.3

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
1-Oct	12	69	43.3	85.4	76.6	73	69.3	65.9	53.6	47.3		Tuesday	10/01/02	11:00 AM	0	7943282.347	71.3
1-Oct	13	69.2	44.2	93.2	76.8	73.2	69.2	66.1	52.8	46.7		Tuesday	10/01/02	12:00 PM	0	8317637.711	71.3
1-Oct	14	68.7	41.9	90.2	76.1	72.9	68.9	65.5	51.8	45.2		Tuesday	10/01/02	1:00 PM	0	7413102.413	71.3
1-Oct	15	69.5	41.5	86.5	76.8	73.4	69.9	67	53.9	45.5		Tuesday	10/01/02	2:00 PM	0	8912509.381	71.3
1-Oct	16	70.1	46.9	84.9	77.3	73.8	70.6	68.3	56.6	50		Tuesday	10/01/02	3:00 PM	0	10232929.92	71.3
1-Oct	17	70	47.7	82.6	76.9	73.8	70.7	68.4	57.1	50.6		Tuesday	10/01/02	4:00 PM	0	10000000	71.3
1-Oct	18	70.1	44.9	87.3	76.8	73.8	70.8	68.8	57.4	50.4		Tuesday	10/01/02	5:00 PM	0	10232929.92	71.3
1-Oct	19	69.6	46.5	83.1	76.1	73.5	70.3	67.8	56.1	49.8		Tuesday	10/01/02	6:00 PM	0	9120108.394	71.3
1-Oct	20	68.7	44.8	91.2	76.4	73	68.5	64.5	52.5	47.2		Tuesday	10/01/02	7:00 PM	0	7413102.413	71.3
1-Oct	21	67.4	42.9	85.8	76.4	72.1	66.3	60.7	48.1	44.6		Tuesday	10/01/02	8:00 PM	0	5495408.739	71.3
1-Oct	22	66.5	42.1	85	75.8	71.4	64.7	59.5	47.3	43.8		Tuesday	10/01/02	9:00 PM	0	4466835.922	71.3
1-Oct	23	65.9	48.7	84.4	76	70.8	62.3	57.8	51.1	49.3		Tuesday	10/01/02	10:00 PM	10	38904514.5	71.3
1-Oct	24	62.5	47.4	79.3	73.9	67	56.7	53.5	49.9	48.2		Tuesday	10/01/02	11:00 PM	10	17782794.1	71.3
2-Oct	1	59.6	48.1	80	71.9	61.5	52.6	51.5	50.1	48.8		Wednesday	10/02/02	12:00 AM	10	9120108.394	72.9
2-Oct	2	57.7	49.5	79	69.8	56.9	54.8	54.3	50.6	50		Wednesday	10/02/02	1:00 AM	10	5888436.554	72.9
2-Oct	3	56.9	49.1	79.7	69.9	55.1	51.8	51.2	50.1	49.2		Wednesday	10/02/02	2:00 AM	10	4897788.194	72.9
2-Oct	4	55.8	49.6	79.3	68	53	51.9	51.6	50.6	50		Wednesday	10/02/02	3:00 AM	10	3801893.963	72.9
2-Oct	5	58.4	49.4	78	71.6	58.2	52.4	51.8	50.7	50.1		Wednesday	10/02/02	4:00 AM	10	6918309.709	72.9
2-Oct	6	65.1	48.8	81.8	76.3	69.6	59.2	54.9	51.5	50.2		Wednesday	10/02/02	5:00 AM	10	32359365.69	72.9
2-Oct	7	68.6	51.4	87.9	77	73.4	67.6	62.5	54.8	52.8		Wednesday	10/02/02	6:00 AM	10	72443596.01	72.9
2-Oct	8	70.2	49.4	86.1	77.9	73.8	70.6	68.1	57.6	52.4		Wednesday	10/02/02	7:00 AM	0	10471285.48	72.9
2-Oct	9	70.1	45	87.4	77	73.8	70.7	68.4	55.1	48.5		Wednesday	10/02/02	8:00 AM	0	10232929.92	72.9
2-Oct	10	69.3	42.6	85	76.8	73.3	69.6	66.4	52.5	47		Wednesday	10/02/02	9:00 AM	0	8511380.382	72.9
2-Oct	11	68.8	42.2	91	76.9	72.9	68.5	64.5	51.6	45.2		Wednesday	10/02/02	10:00 AM	0	7585775.75	72.9
2-Oct	12	68.4	43.6	85.1	76.5	72.8	68.5	64.5	51.2	45.8		Wednesday	10/02/02	11:00 AM	0	6918309.709	72.9
2-Oct	13	68.8	43.2	85.2	76.8	72.9	69	65.8	52.4	45.8		Wednesday	10/02/02	12:00 PM	0	7585775.75	72.9
2-Oct	14	69	46.4	87	76.7	73.2	69.2	66.1	53.2	48.1		Wednesday	10/02/02	1:00 PM	0	7943282.347	72.9
2-Oct	15	69.5	46.8	87.3	77.1	73.4	69.8	66.9	54.1	49.2		Wednesday	10/02/02	2:00 PM	0	8912509.381	72.9
2-Oct	16	70.2	48.7	88.1	77.3	73.9	70.7	68.4	56.5	50.6		Wednesday	10/02/02	3:00 PM	0	10471285.48	72.9
2-Oct	17	70.2	46.9	85.5	77.2	73.8	70.8	68.4	57.4	50.8		Wednesday	10/02/02	4:00 PM	0	10471285.48	72.9
2-Oct	18	70.2	44.8	85.2	76.6	73.7	70.9	69	58.3	49.5		Wednesday	10/02/02	5:00 PM	0	10471285.48	72.9
2-Oct	19	70	47.4	90	76.8	73.5	70.5	68.2	58	51.5		Wednesday	10/02/02	6:00 PM	0	10000000	72.9
2-Oct	20	69.3	46	89.1	76.5	73.3	69.6	66.7	54	48.6		Wednesday	10/02/02	7:00 PM	0	8511380.382	72.9
2-Oct	21	67.4	46.1	81.3	75.8	72.1	67	62	51.8	48.2		Wednesday	10/02/02	8:00 PM	0	5495408.739	72.9
2-Oct	22	68.7	49.7	86	76.8	73.1	68.5	63.9	53.3	51.1		Wednesday	10/02/02	9:00 PM	0	7413102.413	72.9
2-Oct	23	72.5	43.3	105.8	77.1	72.6	66.1	60.8	49.1	44.9		Wednesday	10/02/02	10:00 PM	10	177827941	72.9
2-Oct	24	63.3	42.1	84.4	74.6	67.8	56.7	51.7	44.6	43.2		Wednesday	10/02/02	11:00 PM	10	21379620.9	72.9
3-Oct	1	61	41.2	80.1	73	64.6	53.1	48.5	44	42.3		Thursday	10/03/02	12:00 AM	10	12589254.12	72.5
3-Oct	2	57.8	38.7	80.8	71.3	57.8	46.6	44.6	41.9	40.2		Thursday	10/03/02	1:00 AM	10	6025595.861	72.5
3-Oct	3	56.2	38.6	80.9	69.8	54.2	44.8	43.2	40.8	39.4		Thursday	10/03/02	2:00 AM	10	4168693.835	72.5
3-Oct	4	55.1	37.3	80.7	68.8	51.4	45.5	44.2	41.3	39.3		Thursday	10/03/02	3:00 AM	10	3235936.569	72.5
3-Oct	5	59.7	40.8	79.1	73.2	60.6	51.1	49.5	45.5	42.4		Thursday	10/03/02	4:00 AM	10	9332543.008	72.5
3-Oct	6	64.9	45.3	82.4	76.4	69.3	58.9	55	49.8	47.2		Thursday	10/03/02	5:00 AM	10	30902954.33	72.5
3-Oct	7	68.9	49.4	90	77.2	73.5	68.3	63.2	54.3	51.1		Thursday	10/03/02	6:00 AM	10	77624711.66	72.5
3-Oct	8	70.8	51.8	87.3	78.9	74.4	71	68.2	57.3	53.8		Thursday	10/03/02	7:00 AM	0	12022644.35	72.5
3-Oct	9	75	51.6	97.6	85.4	74.7	71.5	69.5	60.2	55.1		Thursday	10/03/02	8:00 AM	0	31622776.6	72.5
3-Oct	10	73.1	57.3	95.1	81.8	74.9	71.5	69.3	62.9	59.4		Thursday	10/03/02	9:00 AM	0	20417379.45	72.5
3-Oct	11	70.7	49.8	87.3	81.3	73.8	69.8	66.6	57.1	52.5		Thursday	10/03/02	10:00 AM	0	11748975.55	72.5
3-Oct	12	70	49.3	90.3	78.9	73.6	69.5	66.2	56	51.9		Thursday	10/03/02	11:00 AM	0	10000000	72.5
3-Oct	16	70.5	47	96.8	77.8	73.9	70.7	68.4	56.5	49.8		Thursday	09/26/02	3:00 PM	0	11220184.54	72.5
26-Sep	17	70.5	48.1	87.6	77.6	74.2	71.1	68.8	56.7	50.2		Thursday	09/26/02	4:00 PM	0	11220184.54	72.5
26-Sep	18	70.7	47	86.8	76.9	74.2	71.5	69.3	58.2	50.4		Thursday	09/26/02	5:00 PM	0	11748975.55	72.5
26-Sep	19	70.5	47.6	82.3	76.9	73.9	71.2	69.3	59.2	53.3		Thursday	09/26/02	6:00 PM	0	11220184.54	72.5
26-Sep	20	69.3	47.7	84	76.8	73.5	69.7	66.2	53.1	49.2		Thursday	09/26/02	7:00 PM	0	8511380.382	72.5
26-Sep	21	68	46	84.2	76.5	72.7	67.3	62.5	50.6	47.8		Thursday	09/26/02	8:00 PM	0	6309573.445	72.5
26-Sep	22	67.7	45.9	80.8	75.9	72.3	67.4	62.6	50.6	47.3		Thursday	09/26/02	9:00 PM	0	5888436.554	72.5
26-Sep	23	67.3	50.4	84.6	76.7	72	65.5	60.4	52.8	51.2		Thursday	09/26/02	10:00 PM	10	53703179.64	72.5
26-Sep	24	63.4	48.8	78.8	74.3	68.3	57.7	54.4	51.1	49.3		Thursday	09/26/02	11:00 PM	10	21877616.24	72.5
26-Sep																	
																Overall Ldn:	71.6

Location I

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
09/26/02	13	69.9	46.5	99.7	77.1	73.5	68.9	62.6	53.1	49.5		Thursday	09/26/02	12:00 PM	0	9772372.21	73.8
09/26/02	14	68.3	44.3	84.2	76.2	73.1	68.1	62	52.2	48.8		Thursday	09/26/02	1:00 PM	0	6760829.754	73.8
09/26/02	15	69.7	47.1	89.6	78	73.9	69.9	63.9	54.1	50.2		Thursday	09/26/02	2:00 PM	0	9332543.008	73.8
09/26/02	16	69.9	48.5	91	77.6	73.9	70.4	65.8	53.5	51.1		Thursday	09/26/02	3:00 PM	0	9772372.21	73.8
09/26/02	17	69.9	47.6	89.8	77.6	74.3	70.5	64.7	53.5	50.1		Thursday	09/26/02	4:00 PM	0	9772372.21	73.8
09/26/02	18	70.7	47.7	89.7	77.9	74.6	71.6	67.2	53.9	50.2		Thursday	09/26/02	5:00 PM	0	11748975.55	73.8
09/26/02	19	71.6	45.9	97.1	78.4	74.9	72.1	67.4	54.1	49.4		Thursday	09/26/02	6:00 PM	0	14454397.71	73.8
09/26/02	20	69.4	45	89.6	77.3	74.1	69.3	62.5	51.5	47.6		Thursday	09/26/02	7:00 PM	0	8709635.9	73.8
09/26/02	21	68.4	44.4	90.1	77.4	73.3	65.2	58.6	49.6	46.7		Thursday	09/26/02	8:00 PM	0	6918309.709	73.8
09/26/02	22	68.4	44.6	91.8	77.8	73.1	64.9	58.7	49.8	47		Thursday	09/26/02	9:00 PM	0	6918309.709	73.8
09/26/02	23	67.1	42.2	88.8	76.9	72.2	62.4	56.6	47.7	44.2		Thursday	09/26/02	10:00 PM	10	51286138.4	73.8
09/26/02	24	65.1	40.5	84.9	76.2	69.7	58.4	52.7	44.4	41.5		Thursday	09/26/02	11:00 PM	10	32359365.69	73.8
09/27/02	1	66.4	40.6	93.9	77.8	67.1	54.8	50.2	43.8	41.7		Friday	09/27/02	12:00 AM	10	43651583.22	73.7
09/27/02	2	62.1	35.2	91.7	74.4	61.2	47.1	43.9	39.5	36.5		Friday	09/27/02	1:00 AM	10	16218100.97	73.6
09/27/02	3	58.7	35.4	80.9	72.8	57.4	45.3	41.1	37.5	36.2		Friday	09/27/02	2:00 AM	10	7413102.413	73.6
09/27/02	4	61.3	35.3	82.5	74.4	62.2	48.9	43.5	37.2	36.1		Friday	09/27/02	3:00 AM	10	13489628.83	73.6
09/27/02	5	64.8	35.9	87	76.2	68.4	54.3	47.8	39	36.6		Friday	09/27/02	4:00 AM	10	30199517.2	73.6
09/27/02	6	67.9	38.6	85.7	77.8	73.2	63.1	55.9	45	40		Friday	09/27/02	5:00 AM	10	61659500.19	73.6
09/27/02	7	70.5	41.6	86.1	78.2	75.2	71.2	65	49.4	44.3		Friday	09/27/02	6:00 AM	10	112201845.4	73.6
09/27/02	8	71.5	45.6	84.9	77.8	75.3	72.9	70.3	54.3	48.4		Friday	09/27/02	7:00 AM	0	14125375.45	73.6
09/27/02	9	71.6	46.2	87.1	78.8	75.4	72.7	69.7	54.7	50.1		Friday	09/27/02	8:00 AM	0	14454397.71	73.6
09/27/02	10	71.3	44.6	92.7	79.4	75.2	71.5	65.2	52.7	48.4		Friday	09/27/02	9:00 AM	0	13489628.83	73.6
09/27/02	11	70.3	45.6	86.5	78.5	74.7	70.3	64.8	54.5	50.2		Friday	09/27/02	10:00 AM	0	10715193.05	73.6
09/27/02	12	70.6	47.1	96.5	78	74.4	70	64.6	54.5	51.2		Friday	09/27/02	11:00 AM	0	11481536.21	73.6
09/27/02	13	69.6	47.3	88	77.6	74.2	69.3	63.6	53.2	50.1		Friday	09/27/02	12:00 PM	0	9120108.394	73.6
09/27/02	14	71	46.6	100.8	78	74	69.6	64.2	53.4	49.8		Friday	09/27/02	1:00 PM	0	12589254.12	73.6
09/27/02	15	70.5	45.9	95	77.9	74.3	70.4	65.3	53.7	50		Friday	09/27/02	2:00 PM	0	11220184.54	73.6
09/27/02	16	70.4	48.5	86.5	77.4	74.5	71.3	67.4	54.3	51.3		Friday	09/27/02	3:00 PM	0	10964781.96	73.6
09/27/02	17	70.5	48.7	87.2	78.1	74.6	71.2	66.5	55.3	51.5		Friday	09/27/02	4:00 PM	0	11220184.54	73.6
09/27/02	18	70.9	46.4	88.4	78.3	74.9	71.9	67.5	53.9	51		Friday	09/27/02	5:00 PM	0	12302687.71	73.6
09/27/02	19	71.4	46.2	92	78.6	75.1	72.4	68.6	53.7	50.1		Friday	09/27/02	6:00 PM	0	13803842.65	73.6
09/27/02	20	70.1	44.8	89.7	78.2	74.5	70.4	64.2	51.8	47.9		Friday	09/27/02	7:00 PM	0	10232929.92	73.6
09/27/02	21	68.7	41.5	87.1	77.8	73.6	66.5	60.5	50.1	44.6		Friday	09/27/02	8:00 PM	0	7413102.413	73.6
09/27/02	22	69.8	42	98.9	78	73.5	66.1	59.8	49.6	44.4		Friday	09/27/02	9:00 PM	0	9549925.86	73.6
09/27/02	23	67.4	41.8	85.9	76.8	72.7	64.3	58	47.7	43.9		Friday	09/27/02	10:00 PM	10	54954087.39	73.6
09/27/02	24	66.7	40.6	87.3	76.5	72	63.6	57.2	46.1	42.1		Friday	09/27/02	11:00 PM	10	46773514.13	73.6
09/28/02	1	65.8	39.1	90.1	76.6	69	56.2	51.1	43.8	41		Saturday	09/28/02	12:00 AM	10	38018939.63	72.4
09/28/02	2	63.4	38.1	82.4	75.5	67.3	55	49.7	42.3	39.4		Saturday	09/28/02	1:00 AM	10	21877616.24	72.4
09/28/02	3	62.3	36.1	83	75.3	64.8	50.8	45.9	39.5	37.4		Saturday	09/28/02	2:00 AM	10	16982436.52	72.4
09/28/02	4	60.8	35.6	83.9	74.5	59.9	46.7	42.9	37.8	36.7		Saturday	09/28/02	3:00 AM	10	12022644.35	72.4
09/28/02	5	62	36	88.3	74.1	64.1	50.7	45.8	38.8	37		Saturday	09/28/02	4:00 AM	10	15848931.92	72.4
09/28/02	6	66.6	38	98.9	76.3	67.4	54.5	49.6	41.8	39.3		Saturday	09/28/02	5:00 AM	10	45708818.96	72.4
09/28/02	7	65.9	39.8	84.5	77	70.8	59.1	53.2	45.1	41.1		Saturday	09/28/02	6:00 AM	10	38904514.5	72.4
09/28/02	8	67.6	41.4	88.1	77.5	72.9	62.9	56.2	48.2	44.4		Saturday	09/28/02	7:00 AM	0	5754399.373	72.4
09/28/02	9	69.5	42.9	97.8	77.9	74.2	66.7	59.6	50.2	45.9		Saturday	09/28/02	8:00 AM	0	8912509.381	72.4
09/28/02	10	69.6	44.4	89.1	78.1	74.3	68.5	62.1	51.9	47.6		Saturday	09/28/02	9:00 AM	0	9120108.394	72.4
09/28/02	11	69.5	43	86.1	78	74.1	69.1	63.3	53.2	48.9		Saturday	09/28/02	10:00 AM	0	8912509.381	72.4
09/28/02	12	69.8	47.1	91.4	77.9	74.1	69.6	63.7	54	50.7		Saturday	09/28/02	11:00 AM	0	9549925.86	72.4
09/28/02	13	70.2	46.4	91.1	77.8	74.3	70.6	64.9	53	48.9		Saturday	09/28/02	12:00 PM	0	10471285.48	72.4
09/28/02	14	69.7	45.2	87.9	77.3	74	70.4	64.2	52.8	49		Saturday	09/28/02	1:00 PM	0	9332543.008	72.4
09/28/02	15	70.4	45.8	96.5	77.6	74.1	69.7	64	53.2	49.4		Saturday	09/28/02	2:00 PM	0	10964781.96	72.4
09/28/02	16	69.8	45.9	86.6	78	74.2	69.6	63.6	52.9	49.2		Saturday	09/28/02	3:00 PM	0	9549925.86	72.4
09/28/02	17	70.8	45.5	89.6	79.4	75	70.7	64.8	52.6	48.9		Saturday	09/28/02	4:00 PM	0	12022644.35	72.4
09/28/02	18	69.8	47.3	85.5	77.4	74.4	70.3	63.8	53.5	50.1		Saturday	09/28/02	5:00 PM	0	9549925.86	72.4
09/28/02	19	69.5	44.5	84.8	77.6	74.1	69.3	62.6	52	48.3		Saturday	09/28/02	6:00 PM	0	8912509.381	72.4
09/28/02	20	69.6	42.8	92.2	78.7	73.9	67.6	61.3	51.2	46.3		Saturday	09/28/02	7:00 PM	0	9120108.394	72.4
09/28/02	21	68.2	40.8	86.5	77.4	73.3	65.6	59.4	49.2	44.1		Saturday	09/28/02	8:00 PM	0	6606934.48	72.4
09/28/02	22	68	40.4	87.7	77	73.3	65.1	58.8	48.2	43.3		Saturday	09/28/02	9:00 PM	0	6309573.445	72.4
09/28/02	23	66.9	41	84.9	76.5	72.3	62.9	56.7	47.3	43.7		Saturday	09/28/02	10:00 PM	10	48977881.94	72.4
09/28/02	24	66.8	38.3	90.4	76.9	71.6	61.6	55.3	45.9	42		Saturday	09/28/02	11:00 PM	10	47863009.23	72.4

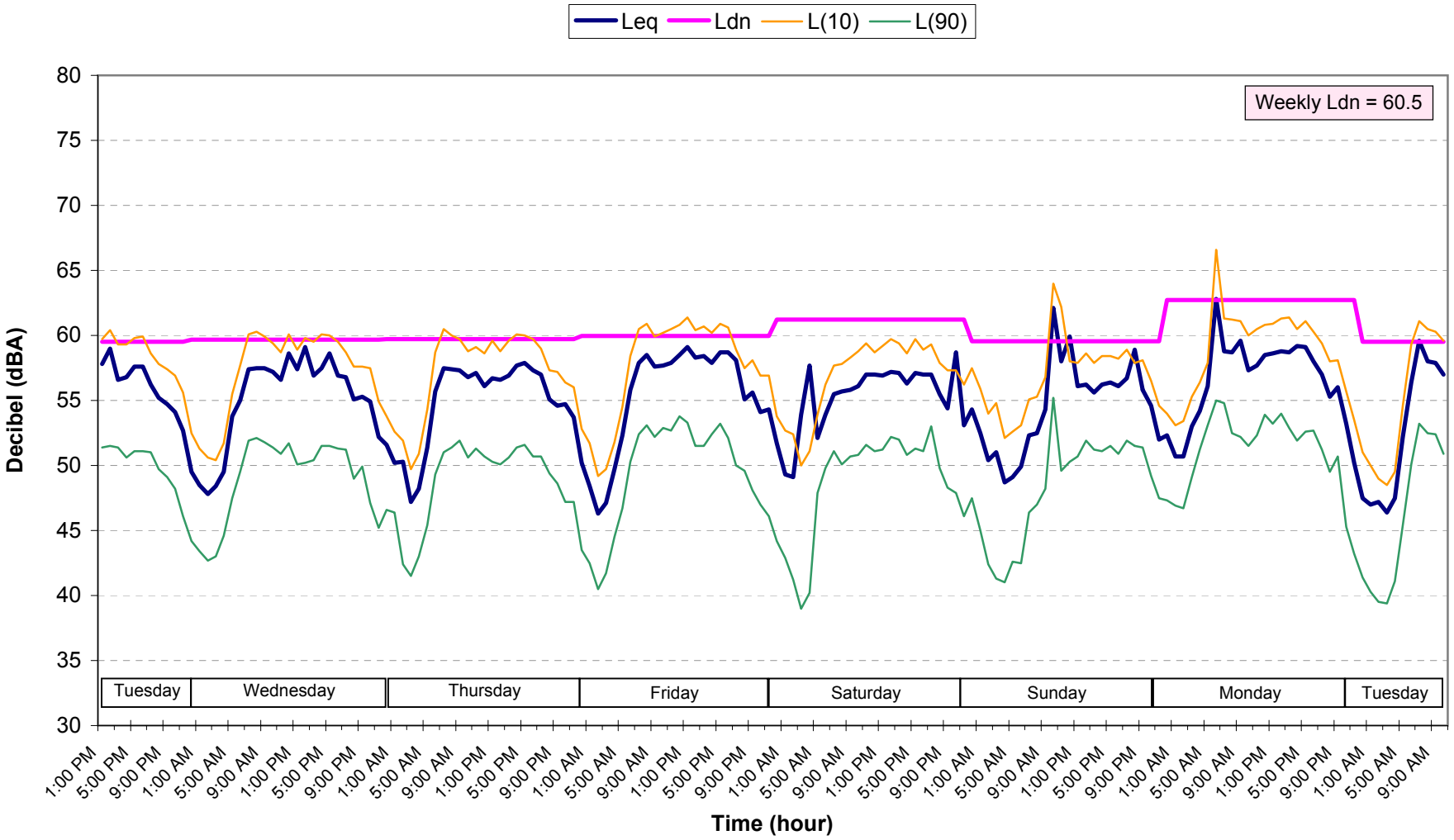
Location J

	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
09/29/02	1	64	39.3	84.9	75.4	68.5	56.8	51.6	42.8	40.5		Sunday	09/29/02	12:00 AM	10	25118864.32	71.3
09/29/02	2	63.8	40.7	82.9	76.5	66.9	55.2	51	44.1	41.7		Sunday	09/29/02	1:00 AM	10	23988329.19	71.3
09/29/02	3	60.6	35.7	81.4	74.1	61.7	49.3	45.1	38.8	36.8		Sunday	09/29/02	2:00 AM	10	11481536.21	71.3
09/29/02	4	58.9	34.9	79.3	72.8	58.7	44.5	39.9	36.5	35.4		Sunday	09/29/02	3:00 AM	10	7762471.166	71.3
09/29/02	5	60.9	34.6	82.5	74	62.3	49.4	44.7	37.2	35.7		Sunday	09/29/02	4:00 AM	10	12302687.71	71.3
09/29/02	6	61.9	37.8	81.5	74.8	63.9	50.9	46.4	40.4	38.7		Sunday	09/29/02	5:00 AM	10	15488166.19	71.3
09/29/02	7	65	38.4	86	76.2	69.8	58	52.4	43.3	40		Sunday	09/29/02	6:00 AM	10	31622776.6	71.3
09/29/02	8	66.5	39.9	85.5	77.3	71.3	59.9	54.2	45.5	41.7		Sunday	09/29/02	7:00 AM	0	4466835.922	71.3
09/29/02	9	67.4	40.2	82.3	77	72.7	63.5	57.7	48.3	43.4		Sunday	09/29/02	8:00 AM	0	5495408.739	71.3
09/29/02	10	69.6	42	100.3	78	73.9	66.5	60.6	50.2	45.7		Sunday	09/29/02	9:00 AM	0	9120108.394	71.3
09/29/02	11	68.8	41.6	86.4	77.6	73.9	66.9	59.4	50.1	45.2		Sunday	09/29/02	10:00 AM	0	7585775.75	71.3
09/29/02	12	69	43.6	93.8	76.9	73.6	68.1	61.8	51.8	47.3		Sunday	09/29/02	11:00 AM	0	7943282.347	71.3
09/29/02	13	70.1	45.6	95.4	77.8	74.1	69.4	62.6	52.2	48.2		Sunday	09/29/02	12:00 PM	0	10232929.92	71.3
09/29/02	14	69.5	45.4	87.6	77.9	74	69	63	52.3	48.3		Sunday	09/29/02	1:00 PM	0	8912509.381	71.3
09/29/02	15	69.2	46	88.5	77.3	73.8	69.1	62.4	52.1	49		Sunday	09/29/02	2:00 PM	0	8317637.711	71.3
09/29/02	16	69.2	46.8	90.4	76.9	73.9	68.9	63.4	53	49.3		Sunday	09/29/02	3:00 PM	0	8317637.711	71.3
09/29/02	17	68.9	45.7	85.5	77.3	73.7	68.4	61.6	52.4	48.9		Sunday	09/29/02	4:00 PM	0	7762471.166	71.3
09/29/02	18	69.3	47.3	89.7	77.4	73.9	69	62.6	52.9	49.7		Sunday	09/29/02	5:00 PM	0	8511380.382	71.3
09/29/02	19	69.5	45.8	85.7	77.9	74.2	68.9	62.6	52.6	49.1		Sunday	09/29/02	6:00 PM	0	8912509.381	71.3
09/29/02	20	68.6	42.5	86.8	77.3	73.7	66.8	60.2	50	46.3		Sunday	09/29/02	7:00 PM	0	7244359.601	71.3
09/29/02	21	68.2	43.5	86.8	77.3	73.3	65.6	59.1	49.6	45.4		Sunday	09/29/02	8:00 PM	0	6606934.48	71.3
09/29/02	22	67.5	42.9	84.7	76.9	72.8	64	57.7	48.6	45.4		Sunday	09/29/02	9:00 PM	0	5623413.252	71.3
09/29/02	23	67.5	41.8	91.1	77.6	72.5	62.2	56	46.5	43.3		Sunday	09/29/02	10:00 PM	10	56234132.52	71.3
09/29/02	24	64.4	39.8	86.9	75.9	68.4	56.2	50.7	43.5	40.9		Sunday	09/29/02	11:00 PM	10	27542287.03	71.3
09/30/02	1	62.8	37.8	86.7	75.1	64.5	50.7	46.8	41.5	39.2		Monday	09/30/02	12:00 AM	10	19054607.18	73.5
09/30/02	2	60.5	37.6	81.7	74.3	59.6	46.8	44	40.3	38.6		Monday	09/30/02	1:00 AM	10	11220184.54	73.5
09/30/02	3	59.7	36.9	88.5	72.9	58.3	45.5	42.8	38.9	37.6		Monday	09/30/02	2:00 AM	10	9332543.008	73.5
09/30/02	4	59.8	37	82.4	73.6	59.6	47.3	43.6	39.2	37.7		Monday	09/30/02	3:00 AM	10	9549925.86	73.5
09/30/02	5	64.4	37	86.8	76.4	67.7	53.7	48.7	41.4	38.2		Monday	09/30/02	4:00 AM	10	27542287.03	73.5
09/30/02	6	68.7	43.8	88.2	78.8	73.6	64	57.1	48	45.5		Monday	09/30/02	5:00 AM	10	74131024.13	73.5
09/30/02	7	71.9	46	96	78.9	75.6	72.5	67.7	51.9	48.1		Monday	09/30/02	6:00 AM	10	154881661.9	73.5
09/30/02	8	72.2	48.9	90.4	78.5	75.7	73.4	71.1	55.8	51.3		Monday	09/30/02	7:00 AM	0	16595869.07	73.5
09/30/02	9	71.7	46.3	86.3	78.7	75.4	72.8	69.9	55.5	50.7		Monday	09/30/02	8:00 AM	0	14791083.88	73.5
09/30/02	10	70.5	44.1	86.1	77.9	74.7	71.4	66.5	54.3	49.1		Monday	09/30/02	9:00 AM	0	11220184.54	73.5
09/30/02	11	69.6	43	88.6	77.7	74.1	69.4	63.9	53	48.7		Monday	09/30/02	10:00 AM	0	9120108.394	73.5
09/30/02	12	69.3	46.6	87.3	77.5	73.6	69.1	63.8	53.2	49.7		Monday	09/30/02	11:00 AM	0	8511380.382	73.5
09/30/02	13	69.7	43.9	92.9	77.8	74.2	68.8	63.5	53	49.1		Monday	09/30/02	12:00 PM	0	9332543.008	73.5
09/30/02	14	69.3	47	91.6	77.6	73.8	68.5	63.1	53.7	50.3		Monday	09/30/02	1:00 PM	0	8511380.382	73.5
09/30/02	15	70.8	45.2	99.6	77.9	74.1	70.2	64.5	53.6	50		Monday	09/30/02	2:00 PM	0	12022644.35	73.5
09/30/02	16	70.4	48.7	90.1	77.9	74.6	71.1	66	53.6	51.2		Monday	09/30/02	3:00 PM	0	10964781.96	73.5
09/30/02	17	71.1	46.9	95.2	78.9	74.6	70.7	64.9	53.7	50.6		Monday	09/30/02	4:00 PM	0	12882495.52	73.5
09/30/02	18	71	48.7	92.9	78.3	74.8	71.9	67.7	54.7	51.4		Monday	09/30/02	5:00 PM	0	12589254.12	73.5
09/30/02	19	70.3	45.8	87.6	77.6	74.8	71.2	64.8	53.4	49.7		Monday	09/30/02	6:00 PM	0	10715193.05	73.5
09/30/02	20	68.9	44.4	88.5	77.3	73.8	68.1	61.7	51.4	47.3		Monday	09/30/02	7:00 PM	0	7762471.166	73.5
09/30/02	21	67.8	41.6	85.3	77.1	72.9	65	58.9	48.8	44.5		Monday	09/30/02	8:00 PM	0	6025595.861	73.5
09/30/02	22	68.2	40.3	89.9	78.5	72.8	63.4	57.1	47.3	42.4		Monday	09/30/02	9:00 PM	0	6606934.48	73.5
09/30/02	23	66.4	38.1	87.6	76.6	71.5	61	54.8	45.4	40.7		Monday	09/30/02	10:00 PM	10	43651583.22	73.5
09/30/02	24	63.9	36.6	83.4	75.6	68.3	56.1	50.4	41.3	37.7		Monday	09/30/02	11:00 PM	10	24547089.16	73.5
10/01/02	1	62.2	37.1	88.4	74.3	63.3	50	45.7	40.4	38.2		Tuesday	10/01/02	12:00 AM	10	16595869.07	73.3
10/01/02	2	58.9	35.5	85.4	72.5	57.8	46.1	42.4	38.6	36.3		Tuesday	10/01/02	1:00 AM	10	7762471.166	73.3
10/01/02	3	58.9	34.1	82.3	72.9	57.8	44.2	40	36.5	35.1		Tuesday	10/01/02	2:00 AM	10	7762471.166	73.3
10/01/02	4	60.8	34.4	85.4	73.7	61.3	46.2	41.1	36.2	35.1		Tuesday	10/01/02	3:00 AM	10	12022644.35	73.3
10/01/02	5	64.3	34.4	84.9	76.4	67.8	54.2	48.3	38.4	35.4		Tuesday	10/01/02	4:00 AM	10	26915348.04	73.3
10/01/02	6	68.1	39.4	87	78.2	73.4	62.4	55.7	46.2	42.1		Tuesday	10/01/02	5:00 AM	10	64565422.9	73.3
10/01/02	7	71.4	41.5	87.8	78.9	75.6	72.5	67.1	50.1	44.9		Tuesday	10/01/02	6:00 AM	10	138038426.5	73.3
10/01/02	8	72.2	45.6	90.3	78.9	75.7	73.2	71.1	55	50.1		Tuesday	10/01/02	7:00 AM	0	16595869.07	73.3
10/01/02	9	72.1	46.8	94.4	78.7	75.7	73	69.7	54.7	49.7		Tuesday	10/01/02	8:00 AM	0	16218100.97	73.3
10/01/02	10	70.5	45.1	89.1	78	74.9	71.3	65.5	53.6	49.2		Tuesday	10/01/02	9:00 AM	0	11220184.54	73.3
10/01/02	11	69.9	45.8	91.2	77.6	74.4	70	63.8	53	49.5		Tuesday	10/01/02	10:00 AM	0	9772372.21	73.3
10/01/02	12	70.6	47.8	98.5	77.8	74.1	69.8	65.5	54.9	50.7		Tuesday	10/01/02	11:00 AM	0	11481536.21	73.3
10/01/02	13	71.3	46.9	96.3	78.5	74.3	69.7	64.1	54.1	50.7		Tuesday	10/01/02	12:00 PM	0	13489628.83	73.3

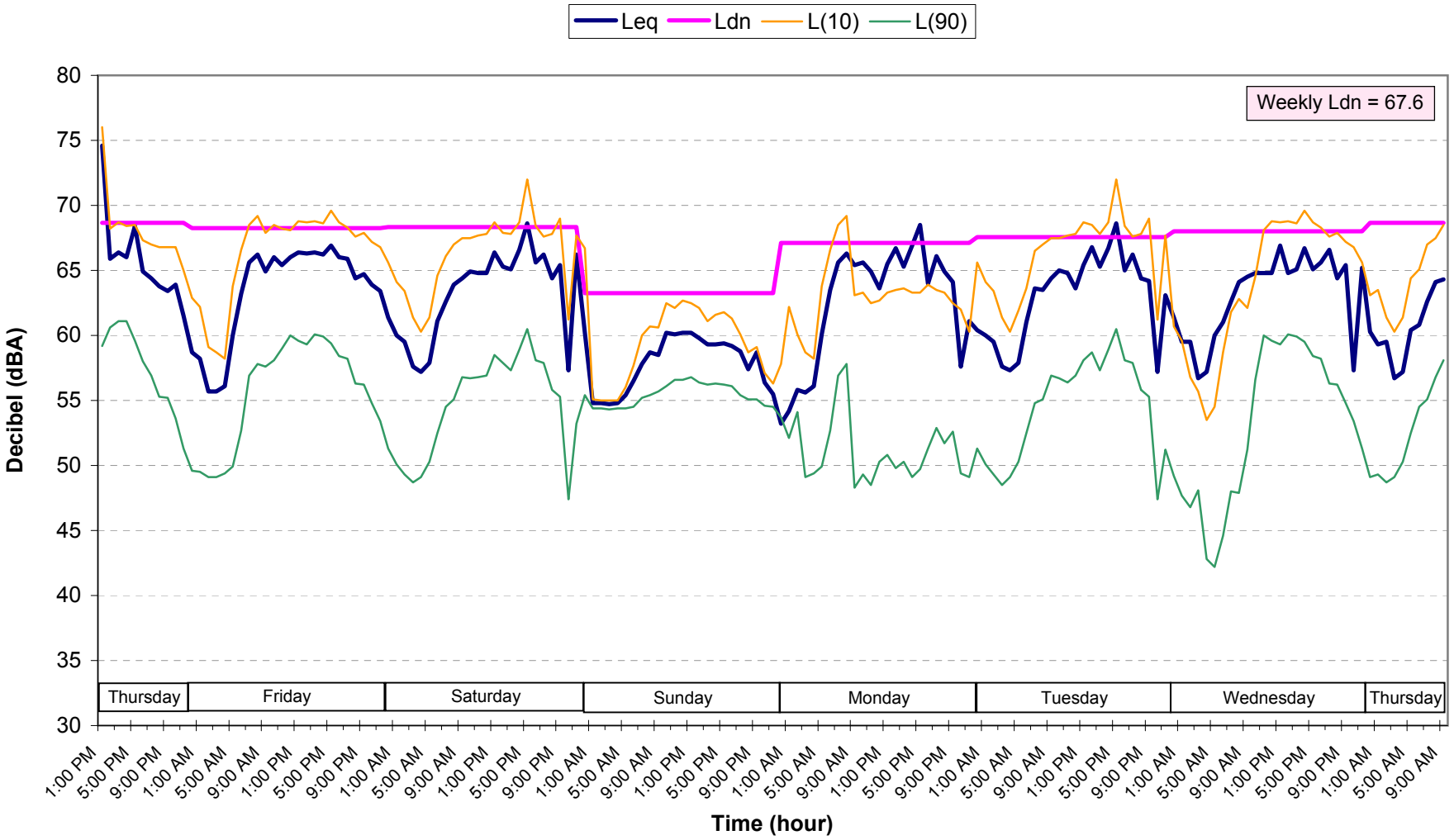
	Hour	Leq	Lmin	Lmax	L(1)	L(10)	L(33)	L(50)	L(90)	L(99)			Date	Time	Ldn Time Factor		Ldn
10/01/02	14	69.2	45.9	86.3	77.7	73.8	68.9	62.5	53.3	49.4		Tuesday	10/01/02	1:00 PM	0	8317637.711	73.3
10/01/02	15	69.9	49.3	91.8	77.8	74.2	70.1	64.3	54.6	51.8		Tuesday	10/01/02	2:00 PM	0	9772372.21	73.3
10/01/02	16	70.4	45.8	88.7	77.7	74.6	71.2	66.6	54.4	51.2		Tuesday	10/01/02	3:00 PM	0	10964781.96	73.3
10/01/02	17	71.1	49.3	93.6	79.1	74.9	71.4	66	54.5	51.4		Tuesday	10/01/02	4:00 PM	0	12882495.52	73.3
10/01/02	18	71.6	46.4	96.3	78.4	75	72	67.8	54	50.5		Tuesday	10/01/02	5:00 PM	0	14454397.71	73.3
10/01/02	19	70.3	46.5	87.6	77.7	74.6	71.3	65.6	53.7	50.1		Tuesday	10/01/02	6:00 PM	0	10715193.05	73.3
10/01/02	20	69.7	45	88	78	74.3	69.2	62.1	51.6	47.3		Tuesday	10/01/02	7:00 PM	0	9332543.008	73.3
10/01/02	21	68.9	43.3	94.1	77.7	73.7	66	59.9	49.8	45.4		Tuesday	10/01/02	8:00 PM	0	7762471.166	73.3
10/01/02	22	67.8	40.2	86.1	77	73.2	64.3	57.7	48.7	43.9		Tuesday	10/01/02	9:00 PM	0	6025595.861	73.3
10/01/02	23	66.5	42.4	88	76.9	71.7	60.5	54.6	47.2	44.2		Tuesday	10/01/02	10:00 PM	10	44668359.22	73.3
10/01/02	24	64.8	36.9	92	76.3	67.7	55.9	50.7	42.3	38.7		Tuesday	10/01/02	11:00 PM	10	30199517.2	73.3
10/02/02	1	67	38	97.2	76.4	65.2	52.1	47.2	40.7	39.1		Wednesday	10/02/02	12:00 AM	10	50118723.36	73.9
10/02/02	2	59.5	37.7	82	72.9	59.5	47.2	44	40	38.4		Wednesday	10/02/02	1:00 AM	10	8912509.381	73.9
10/02/02	3	58	36.6	80.2	71.9	57.1	45.6	42.9	39	37.3		Wednesday	10/02/02	2:00 AM	10	6309573.445	73.9
10/02/02	4	60.1	37.4	81.4	73.6	60.5	46.6	43.3	40	38.4		Wednesday	10/02/02	3:00 AM	10	10232929.92	73.9
10/02/02	5	64.5	39.7	85.3	76.6	68.1	55	49.5	42.9	41.1		Wednesday	10/02/02	4:00 AM	10	28183829.31	73.9
10/02/02	6	68.6	41.9	87.3	78.5	73.9	64.1	56.6	47.7	44.4		Wednesday	10/02/02	5:00 AM	10	72443596.01	73.9
10/02/02	7	71.9	46.9	87.9	79.1	76	73.1	68.1	52.4	49		Wednesday	10/02/02	6:00 AM	10	154881661.9	73.9
10/02/02	8	72.9	50.8	90.8	79.2	76.3	73.9	72	56.8	52.8		Wednesday	10/02/02	7:00 AM	0	19498446	73.9
10/02/02	9	72.3	47.6	88.4	78.9	75.9	73.4	70.9	55.6	50.9		Wednesday	10/02/02	8:00 AM	0	16982436.52	73.9
10/02/02	10	70.8	44.8	86.7	78.6	75.2	71.4	65.4	53.1	48.3		Wednesday	10/02/02	9:00 AM	0	12022644.35	73.9
10/02/02	11	70.2	45	89.1	78.3	74.7	70.3	64.3	52.6	47.9		Wednesday	10/02/02	10:00 AM	0	10471285.48	73.9
10/02/02	12	70.4	44.7	96.8	77.9	74.1	69.4	63.8	54	50.6		Wednesday	10/02/02	11:00 AM	0	10964781.96	73.9
10/02/02	13	69.2	46.5	85.3	77.8	73.6	68.9	63	53.8	50.4		Wednesday	10/02/02	12:00 PM	0	8317637.711	73.9
10/02/02	14	70.2	47.9	94.9	79.4	74.1	69.9	65.2	55.4	52		Wednesday	10/02/02	1:00 PM	0	10471285.48	73.9
10/02/02	15	70.8	53.1	89.9	78.6	74.5	71.1	67.4	59.3	56.1		Wednesday	10/02/02	2:00 PM	0	12022644.35	73.9
10/02/02	16	71.5	49.9	90.8	79.9	74.8	71.5	67.9	55.1	52.2		Wednesday	10/02/02	3:00 PM	0	14125375.45	73.9
10/02/02	17	70.7	47.7	85.7	78.3	74.9	71.5	66.4	54.3	51.4		Wednesday	10/02/02	4:00 PM	0	11748975.55	73.9
10/02/02	18	70.5	48.5	88.5	77.6	74.7	71.3	66.5	54.8	51.7		Wednesday	10/02/02	5:00 PM	0	11220184.54	73.9
10/02/02	19	70.3	46.6	85.5	77.8	74.7	71.1	65.5	54	50.1		Wednesday	10/02/02	6:00 PM	0	10715193.05	73.9
10/02/02	20	69.8	45.4	91.5	77.8	74.3	69.4	62.1	52.3	48.6		Wednesday	10/02/02	7:00 PM	0	9549925.86	73.9
10/02/02	21	68.4	45.6	89.9	77.6	73.4	65.8	59.4	51.4	48.3		Wednesday	10/02/02	8:00 PM	0	6918309.709	73.9
10/02/02	22	68.9	47.7	90.7	77.9	73.8	66.3	59.8	52.4	49.6		Wednesday	10/02/02	9:00 PM	0	7762471.166	73.9
10/02/02	23	67.3	43.1	84.9	77	72.6	62.9	57.2	50.1	46.6		Wednesday	10/02/02	10:00 PM	10	53703179.64	73.9
10/02/02	24	64.4	41.2	85.9	75.7	68.8	56.3	51.6	45	42.6		Wednesday	10/02/02	11:00 PM	10	27542287.03	73.9
10/03/02	1	62.3	40.7	82.9	74.9	64.7	51.9	48.6	44.1	42.2		Thursday	10/03/02	12:00 AM	10	16982436.52	73.8
10/03/02	2	61.3	39.9	89.6	73.6	59.3	48.2	46.1	43.2	41.3		Thursday	10/03/02	1:00 AM	10	13489628.83	73.8
10/03/02	3	59.2	38.5	84.5	72.7	57.8	46.9	45	42.1	40.3		Thursday	10/03/02	2:00 AM	10	8317637.711	73.8
10/03/02	4	59.7	38.4	80.7	73.2	59.9	47.7	45	40.9	39.3		Thursday	10/03/02	3:00 AM	10	9332543.008	73.8
10/03/02	5	65.1	40.1	90.9	76.4	68.6	55.1	50.5	44.5	41.2		Thursday	10/03/02	4:00 AM	10	32359365.69	73.8
10/03/02	6	69	44.9	94.5	78.8	73.8	64.4	57.8	50.2	46.9		Thursday	10/03/02	5:00 AM	10	79432823.47	73.8
10/03/02	7	72.1	48.1	91.1	79.6	76.1	72.9	67.5	53.1	50		Thursday	10/03/02	6:00 AM	10	162181009.7	73.8
10/03/02	8	72.3	50.4	93.9	78.5	75.8	73.5	71.2	56.4	52.2		Thursday	10/03/02	7:00 AM	0	16982436.52	73.8
10/03/02	9	72.1	48.2	91.2	78.7	75.6	73	70.2	56.8	52		Thursday	10/03/02	8:00 AM	0	16218100.97	73.8
10/03/02	10	71	46.1	97.8	78.2	74.8	71.3	65.9	54.1	50.1		Thursday	10/03/02	9:00 AM	0	12589254.12	73.8
10/03/02	11	70.5	44.5	90.9	79.5	74.4	70.1	65	53.6	49.3		Thursday	10/03/02	10:00 AM	0	11220184.54	73.8
10/03/02	12	69.2	43.8	86.8	76.7	73.2	69.3	64	53.9	50.2		Thursday	10/03/02	11:00 AM	0	8317637.711	73.8
10/03/02	13	71.7	46.9	106.4	77.2	73.4	69.3	64.8	55.2	51.2		Thursday	10/03/02	12:00 PM	0	14791083.88	73.8
09/26/02	14	68.3	44.3	84.2	76.2	73.1	68.1	62	52.2	48.8		Thursday	09/26/02	1:00 PM	0	6760829.754	73.8
09/26/02	15	69.7	47.1	89.6	78	73.9	69.9	63.9	54.1	50.2		Thursday	09/26/02	2:00 PM	0	9332543.008	73.8
09/26/02	16	69.9	48.5	91	77.6	73.9	70.4	65.8	53.5	51.1		Thursday	09/26/02	3:00 PM	0	9772372.21	73.8
09/26/02	17	69.9	47.6	89.8	77.6	74.3	70.5	64.7	53.5	50.1		Thursday	09/26/02	4:00 PM	0	9772372.21	73.8
09/26/02	18	70.7	47.7	89.7	77.9	74.6	71.6	67.2	53.9	50.2		Thursday	09/26/02	5:00 PM	0	11748975.55	73.8
09/26/02	19	71.6	45.9	97.1	78.4	74.9	72.1	67.4	54.1	49.4		Thursday	09/26/02	6:00 PM	0	14454397.71	73.8
09/26/02	20	69.4	45	89.6	77.3	74.1	69.3	62.5	51.5	47.6		Thursday	09/26/02	7:00 PM	0	8709635.9	73.8
09/26/02	21	68.4	44.4	90.1	77.4	73.3	65.2	58.6	49.6	46.7		Thursday	09/26/02	8:00 PM	0	6918309.709	73.8
09/26/02	22	68.4	44.6	91.8	77.8	73.1	64.9	58.7	49.8	47		Thursday	09/26/02	9:00 PM	0	6918309.709	73.8
09/26/02	23	67.1	42.2	88.8	76.9	72.2	62.4	56.6	47.7	44.2		Thursday	09/26/02	10:00 PM	10	51286138.4	73.8
09/26/02	24	65.1	40.5	84.9	76.2	69.7	58.4	52.7	44.4	41.5		Thursday	09/26/02	11:00 PM	10	32359365.69	73.8
																Overall Ldn:	73.2

Location J

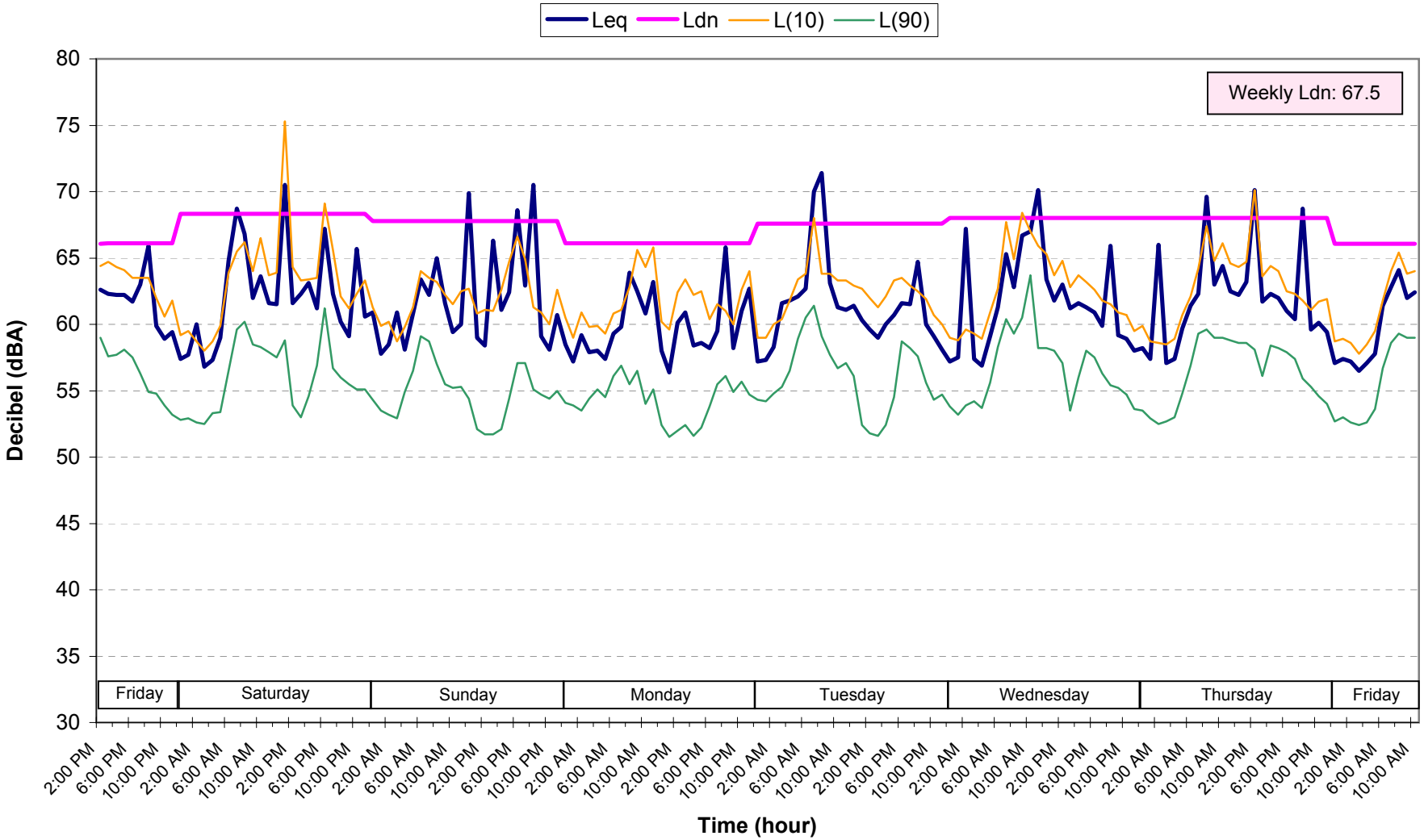
Sound Level in the Vicinity of Location A by Hour
Tuesday, September 24 - Tuesday, October 1, 2002



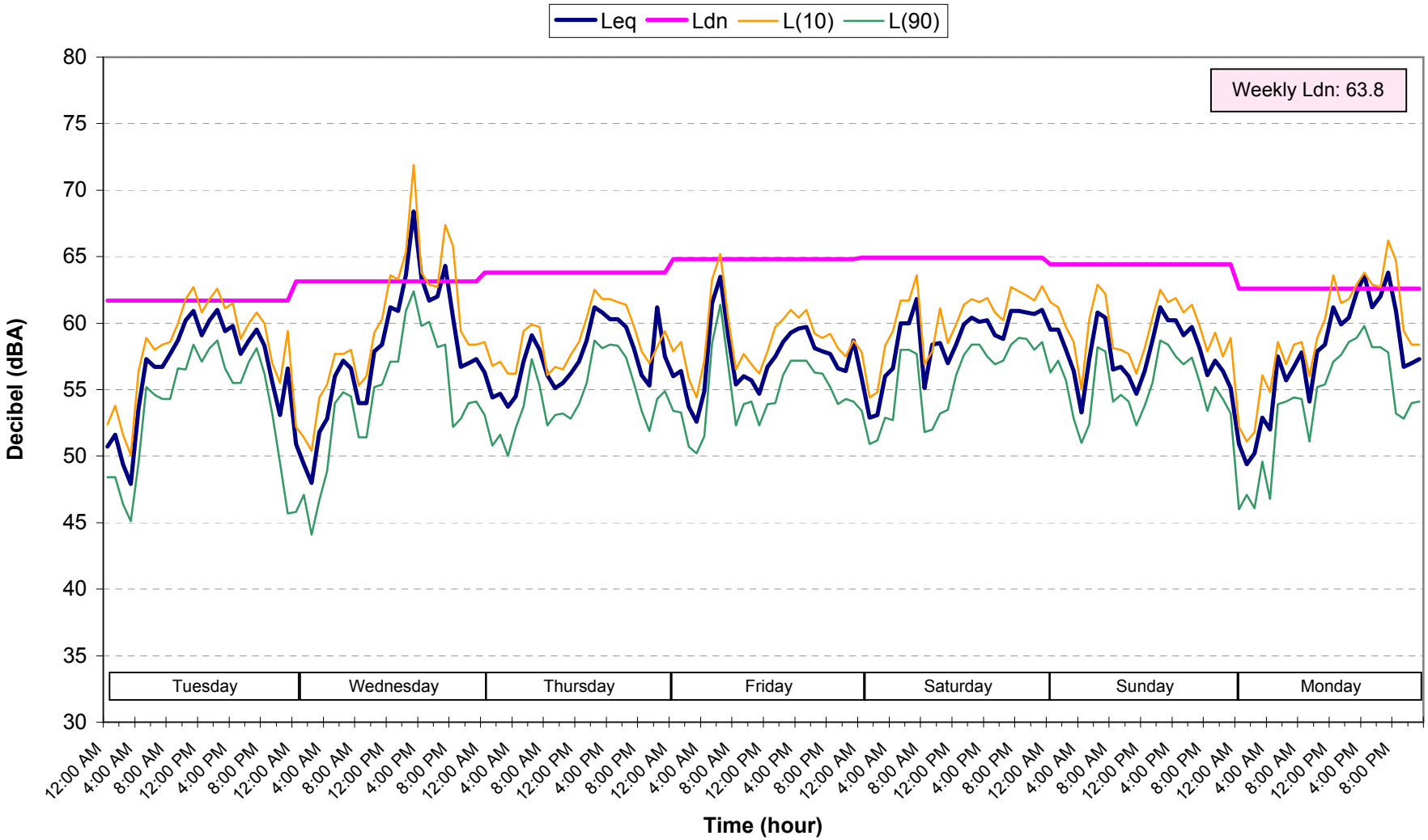
Sound Level at Location B by Hour
Thursday, September 26 - Thursday, October 3, 2002



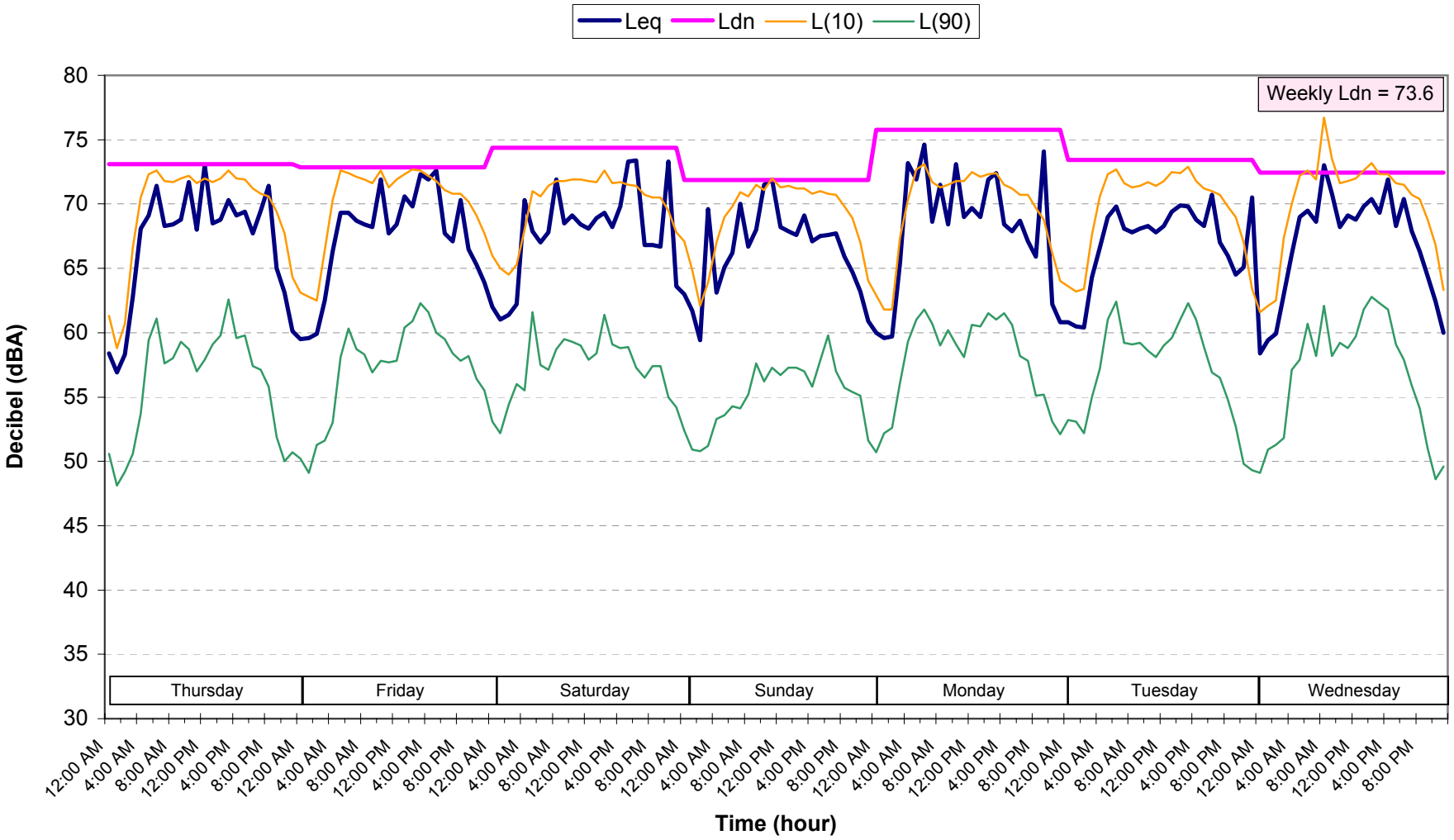
Sound Level at Location C by Hour
Friday, September 20 - Friday, September 27, 2002



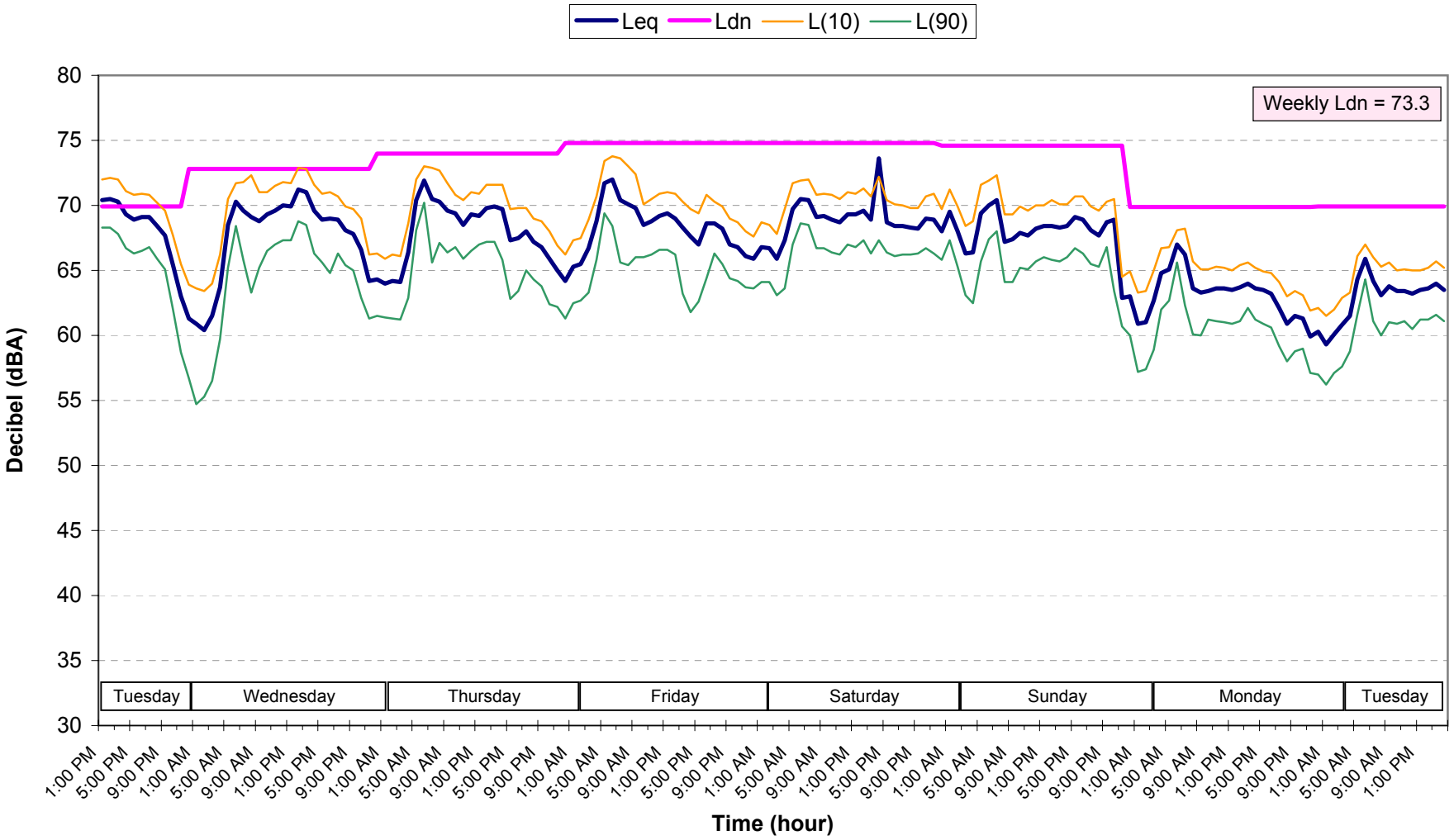
Sound Level at Location D by Hour
Tuesday, October 1 - Monday, October 7, 2002



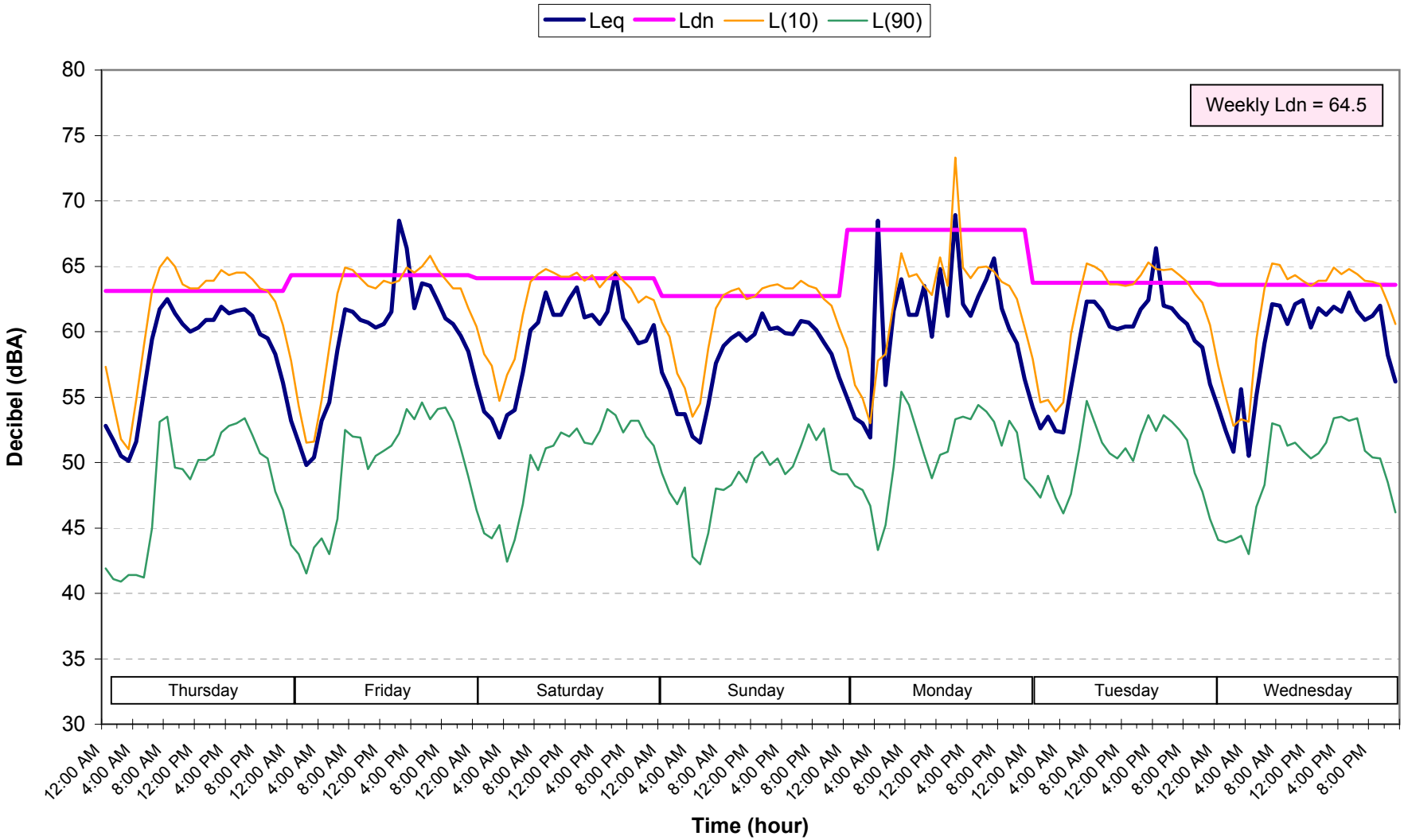
Sound Level at Location E by Hour
Thursday, September 19 - Wednesday, September 25, 2002



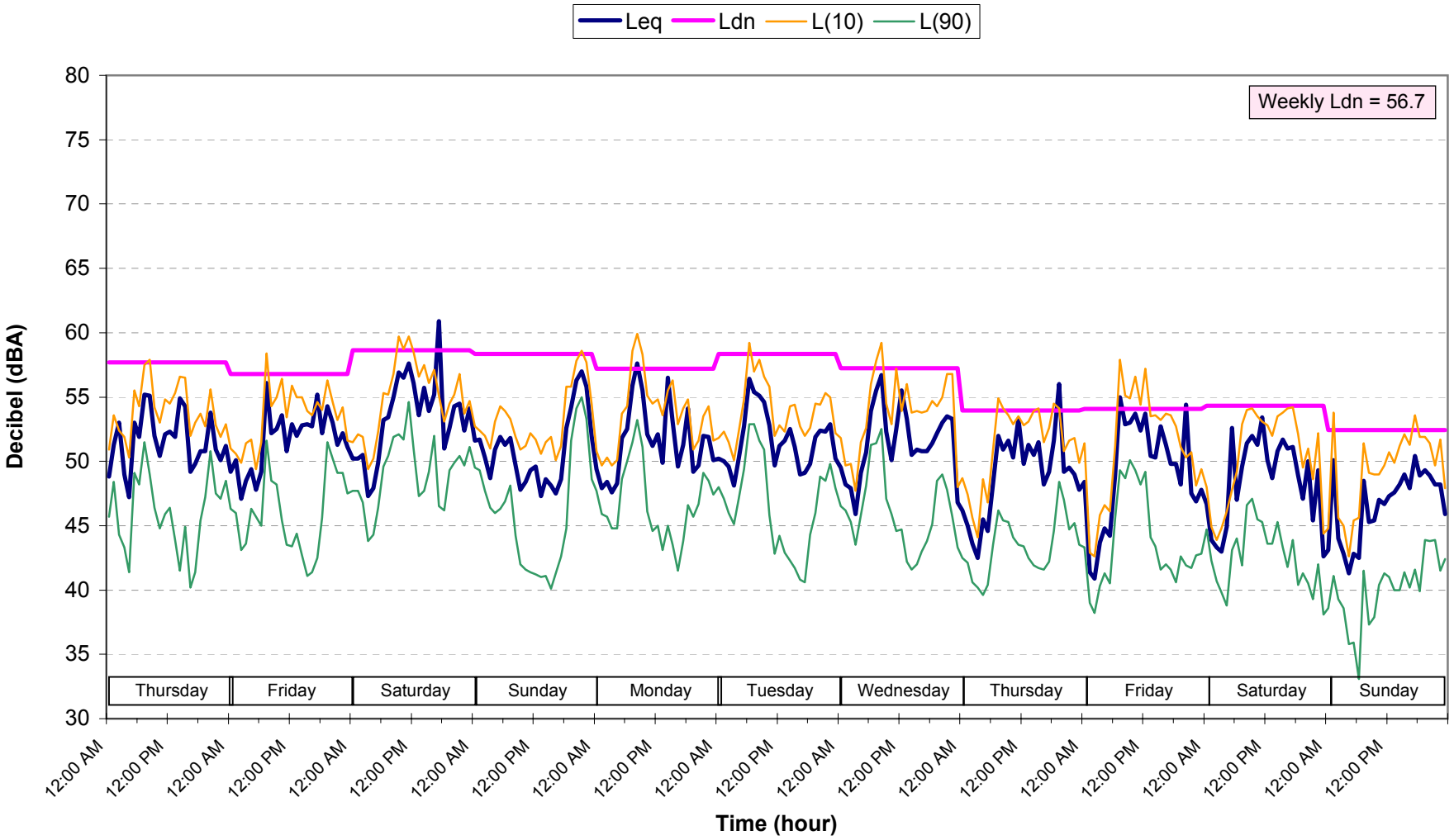
Sound Level at Location F by Hour
Tuesday, October 1 - Tuesday, October 8, 2002



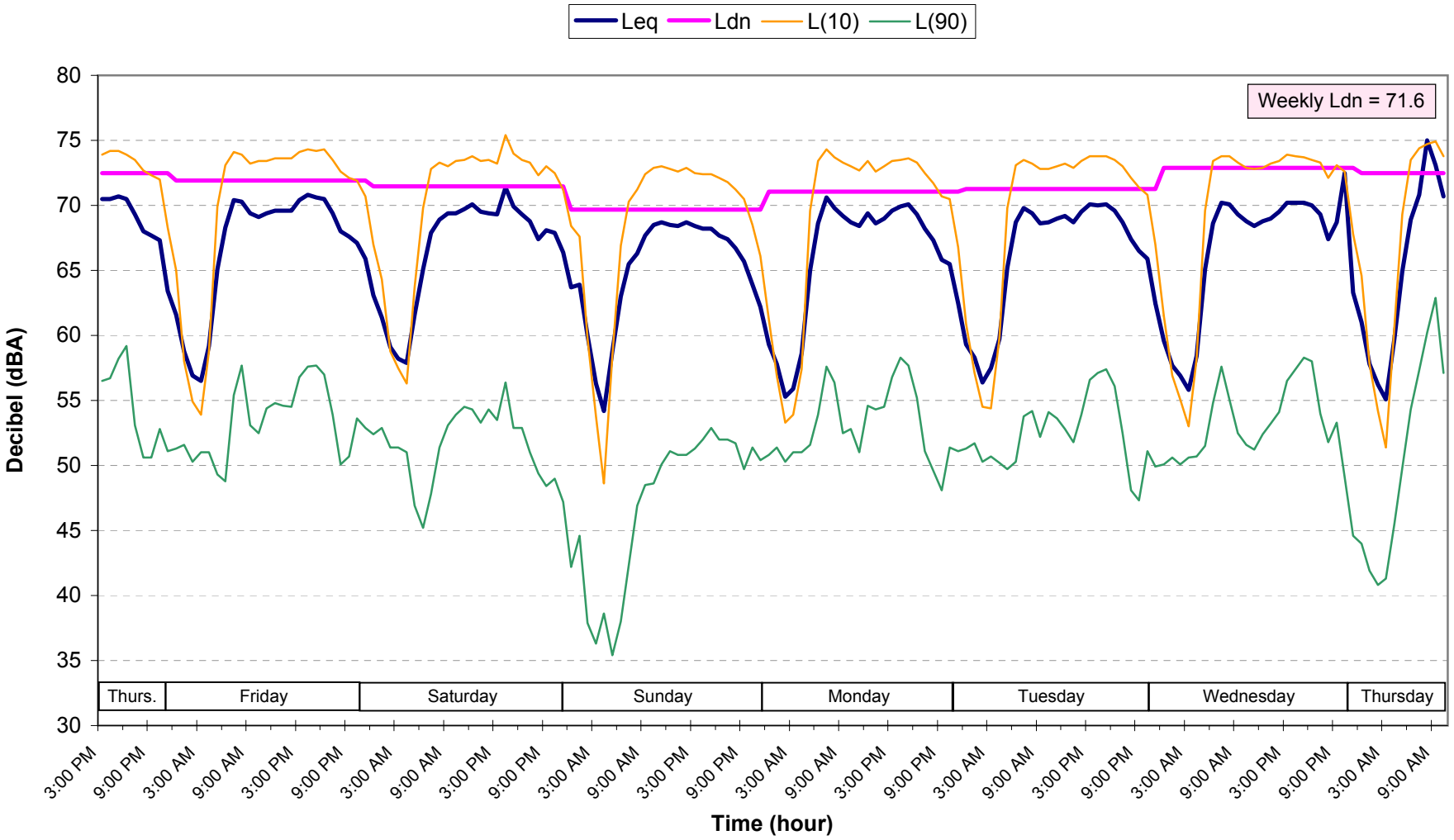
Sound Level at Location G by Hour
Thursday, September 19 - Wednesday, September 25, 2002



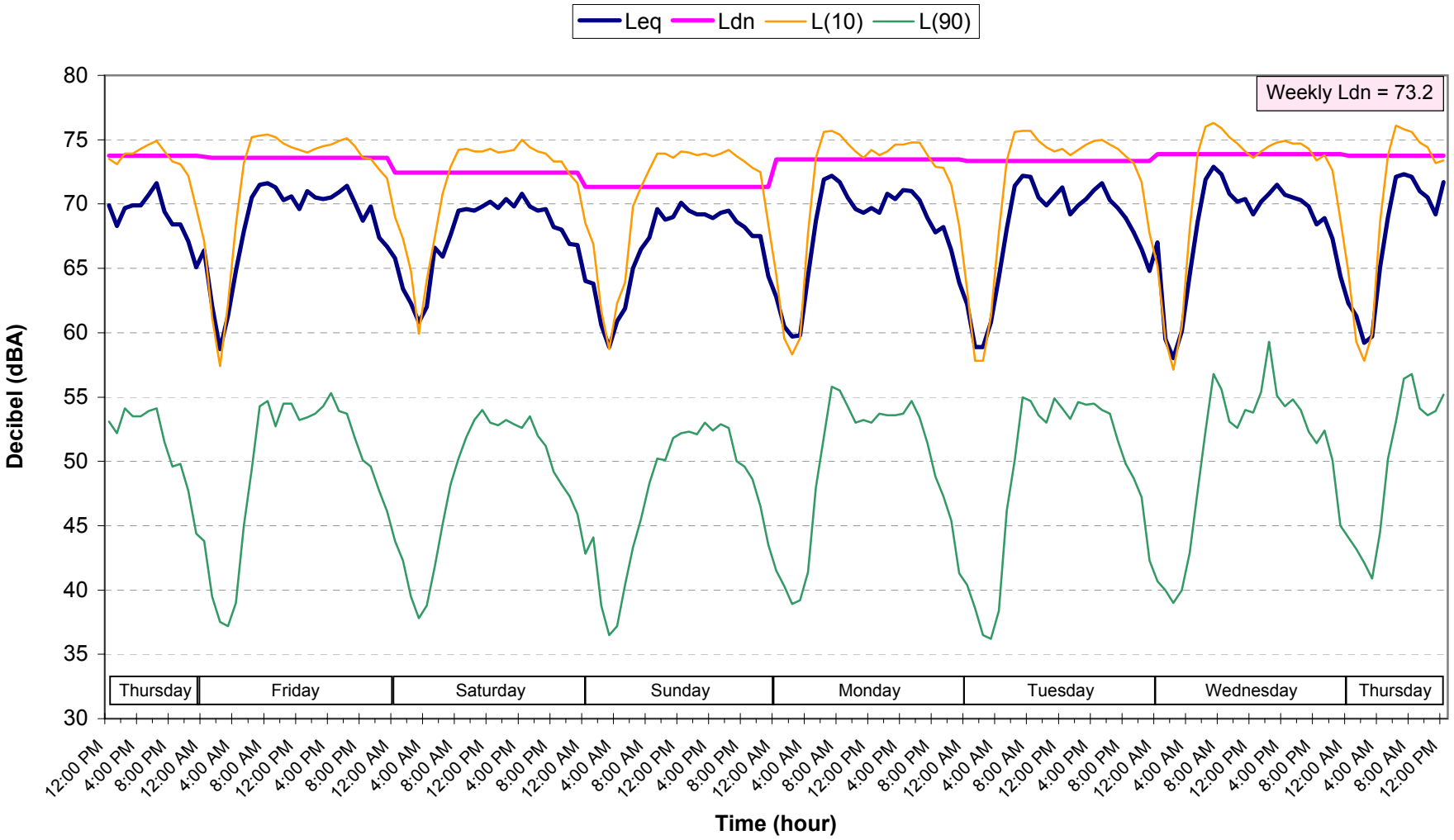
Sound Level at Location H by Hour
Thursday, September 19 - Sunday, September 29, 2002



Sound Level at Location I by Hour
Thursday, September 26 - Thursday, October 3, 2002



Sound Level at Location J by Hour
Thursday, September 26 - Thursday, October 3, 2002



PASADENA NOISE ELEMENT

Existing Traffic Volumes

Calculated Noise Contours

E-W Street	East of N-S Street	PM Peak Hour West Bound	PM Peak Hour East Bound	Average ADT (E-W)	Vehicle Mix Auto	Vehicle Mix Medium Truck	Vehicle Mix Heavy Truck	Percent Daily Traffic Day (7am-7pm)	Percent Daily Traffic Evening (7-10 pm)	Percent Daily Traffic Night (10pm-7am)	Speed	Ldn at 100'	Distance to dBA Contour Line, feet 75	70	65	60	55
Woodbury	Lincoln	814	793	20,090	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	58	124	267
Woodbury	Fair Oaks	985	793	22,220	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	61	132	285
Woodbury	Los Robles	770	700	18,370	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	54	117	251
New York	Lake	575	704	15,980	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	106	229
New York	Allen	559	631	14,870	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	101	218
New York	Altadena	853	767	20,240	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	50	68	#N/A	71	153	329	709
Washington	Lincoln	489	510	12,480	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	55	119	256
Washington	Fair Oaks	563	737	16,240	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	66	142	305
Washington	Los Robles	670	608	15,980	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	65	140	302
Washington	Lake	634	503	14,210	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	60	130	279
Washington	Allen	525	465	12,380	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	55	118	255
Washington	Altadena	263	407	8,380	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	59	#N/A	#N/A	#N/A	91	196
Sierra Madre	Washington	714	1130	23,040	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	65	#N/A	#N/A	107	230	496
Sierra Madre	Riveria	462	789	15,640	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	64	#N/A	#N/A	83	178	383
Orange Grove	Lincoln	275	722	12,460	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	55	119	256
Orange Grove	Fair Oaks	364	683	13,080	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	57	123	264
Orange Grove	Los Robles	412	627	12,990	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	57	122	263
Orange Grove	Lake	927	826	21,910	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	65	#N/A	#N/A	103	223	480
Orange Grove	Allen	521	390	11,380	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	62	#N/A	#N/A	67	144	310
Orange Grove	Altadena	393	238	7,890	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	61	#N/A	#N/A	52	113	243
Orange Grove	Sierra Madre	193	342	6,690	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	60	#N/A	#N/A	#N/A	101	218
Walnut	Fair Oaks	797	1183	24,750	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	30	64	#N/A	#N/A	80	172	370
Walnut	Los Robles	660	1171	22,890	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	30	63	#N/A	#N/A	76	163	352
Walnut	Lake	484	1339	22,790	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	30	63	#N/A	#N/A	76	163	350
Walnut	Hill	619	1482	26,260	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	30	64	#N/A	#N/A	83	179	385
Foothill	Allen	428	864	16,140	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	76	164	353
Foothill	Sierra Madre	100	702	10,030	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	55	119	257
Foothill	Altadena	645	840	18,560	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	84	180	388
Foothill	San Gabriel	704	787	18,630	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	84	180	389
Foothill	Madre	728	1113	23,000	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	96	208	447
Foothill	Rosemead	815	1537	29,390	94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	66	#N/A	53	113	244	527
Colorado	Orange Grove	1055	656	21,380	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	25	61	#N/A	#N/A	58	125	268
Colorado	Fair Oaks	1021	991	25,140	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	25	62	#N/A	#N/A	64	139	299
Colorado	Los Robles	994	1122	26,450	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	25	62	#N/A	#N/A	67	144	309
Colorado	Lake	864	1489	29,410	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	64	#N/A	#N/A	89	193	415
Colorado	Allen	1024	1633	33,220	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	65	#N/A	#N/A	97	209	450
Colorado	Sierra Madre	552	898	18,130	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	65	139	300
Colorado	Altadena	624	1059	21,040	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	63	#N/A	#N/A	71	154	332
Colorado	San Gabriel	433	1267	21,250	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	91	196	423
Colorado	Madre	718	1462	27,260	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	108	232	500
Colorado	Rosemead	544	1291	22,930	94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	96	207	445
del Mar	Orange Grove	784	553	16,720	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	51	110	236
del Mar	Fair Oaks	1303	862	27,060	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	92	199	429
del Mar	Los Robles	1198	913	26,390	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	91	196	422
del Mar	Lake	1100	1334	30,430	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	100	215	464
del Mar	Allen	1040	1069	26,360	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	91	196	421
del Mar	Sierra Madre	1480	958	30,480	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	100	215	464
del Mar	Altadena	934	934	23,350	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	84	180	389
del Mar	San Gabriel	403	465	10,850	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	50	108	233
del Mar	Madre	253	282	6,690	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	58	#N/A	#N/A	#N/A	78	169
California	Orange Grove	498	378	10,950	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	59	#N/A	#N/A	#N/A	83	178
California	Fair Oaks	852	1012	23,300	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	63	137	295
California	Los Robles	939	1090	25,360	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	67	145	312
California	Lake	470	738	15,100	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	102	221
California	Allen	515	621	14,190	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	98	212
California	Sierra Madre	324	728	13,150	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	57	123	265
California	Altadena	757	590	16,840	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	67	145	312
California	San Gabriel	239	370	7,610	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	59	#N/A	#N/A	#N/A	85	184
California	Madre	491	541	12,900	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	56	121	262
California	Rosemead	479	503	12,280	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	55	118	253
Glenarm	Pasadena	312	624	11,700	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	57	#N/A	#N/A	#N/A	65	140
Glenarm	Fair Oaks	589	705	16,170	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	107	231
Glenarm	Los Robles	139	251	4,880	97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	57	#N/A	#N/A	#N/A	64	137

PASADENA NOISE ELEMENT

Existing Traffic Volumes

N-S Street	South of E-W Street	PM Peak Hour South Bound	PM Peak Hour North Bound	Average ADT (N-S)
Linda Vista	210 Fwy	148	206	4,420
Lincoln	Woodbury	1064	1317	29,760
Lincoln	210 Fwy	375	433	10,100
Lincoln	Washington	379	622	12,520
Lincoln	Orange Grove	58	639	8,710
Orange Grove	Colorado	759	1175	24,170
	del Mar	1080	1239	28,990
	California	1155	1309	30,790
St. John	del Mar	2186	0	27,330
	California	1567	0	19,590
Pasadena	del Mar	0	2304	28,800
	California	0	1895	23,690
	Bellefontaine	1190	1692	36,020
Fair Oaks	Woodbury	243	118	4,510
Fair Oaks	Washington	768	1018	22,330
Fair Oaks	Orange Grove	638	956	19,920
Fair Oaks	Walnut	815	1276	26,140
Fair Oaks	Colorado	751	868	20,230
Fair Oaks	del Mar	874	1191	25,810
Fair Oaks	California	1224	1193	30,200
Arroyo Parkway	Colorado	731	1428	26,990
Arroyo Parkway	del Mar	1372	1696	38,340
Arroyo Parkway	California	1902	2280	52,270
Los Robles	Woodbury	280	401	8,510
Los Robles	Washington	649	962	20,130
Los Robles	Orange Grove	676	942	20,220
Los Robles	Walnut	619	499	13,980
Los Robles	Colorado	870	487	16,970
Los Robles	del Mar	569	572	14,260
Los Robles	California	598	610	15,090
Lake	Woodbury	864	1271	26,680
Lake	Washington	1126	1240	29,580
Lake	Orange Grove	1397	1747	39,300
Lake	Walnut	1331	1329	33,240
Lake	Colorado	1282	1235	31,470
Lake	del Mar	1258	982	28,000
Lake	California	997	894	23,630
Hill	Woodbury	139	262	5,010
Hill	Washington	496	747	15,530
Hill	Orange Grove	744	1136	23,490
Hill	Walnut	685	1223	23,840
Hill	Colorado	964	929	23,660
Hill	del Mar	398	370	9,600
Allen	Woodbury	548	793	16,760
Allen	Washington	554	924	18,480
Allen	Orange Grove	867	1379	28,080
Allen	Walnut	535	339	10,930
Allen	Colorado	175	199	4,680
Allen	del Mar	195	441	7,940
Altadena	Woodbury	498	475	12,160
Altadena	Washington	721	916	20,470
Altadena	Orange Grove	790	1029	22,740
Altadena	Foothill	600	555	14,430
Altadena	Colorado	498	516	12,680
Altadena	del Mar	218	723	11,770
Sierra Madre	Washington	624	787	17,640
Sierra Madre	Orange Grove	545	838	17,290
Sierra Madre	210 Freeway	529	721	15,610
Sierra Madre	Foothill	506	944	18,130
Sierra Madre	Colorado	356	558	11,430
Sierra Madre	del Mar	894	692	19,830
San Gabriel	210 Freeway	1313	706	25,250
San Gabriel	Colorado	1368	774	26,780
San Gabriel	del Mar	1307	819	26,580

Calculated Noise Contours

Vehicle Mix: Auto	Vehicle Mix: Medium Truck	Vehicle Mix: Heavy Truck	Percent Daily Traffic: Day (7am-7pm)	Percent Daily Traffic: Evening (7-10 pm)	Percent Daily Traffic: Night (10pm-7am)	Speed	Ldn @ 100'	Distance to dBA Contour Line, feet: 75	70	65	60	55
99.4%	0.5%	0.1%	79.0%	11.0%	10.0%	35	56	#N/A	#N/A	#N/A	55	118
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	98	212	457
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	60	#N/A	#N/A	#N/A	103	222
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	55	119	256
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	58	#N/A	#N/A	#N/A	71	153
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	86	185	398
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	97	208	449
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	101	217	467
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	61	#N/A	#N/A	53	114	246
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	57	122	262
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	60	#N/A	#N/A	#N/A	103	222
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	55	119	256
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	58	#N/A	#N/A	#N/A	71	153
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	58	#N/A	#N/A	#N/A	70	151
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	94	203	437
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	63	#N/A	#N/A	69	148	320
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	64	#N/A	#N/A	83	178	383
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	88	190	409
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	104	224	482
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	66	#N/A	53	115	248	535
97.5%	1.8%	0.7%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	95	205	441
97.5%	1.8%	0.7%	79.0%	11.0%	10.0%	35	66	#N/A	56	120	259	557
97.5%	1.8%	0.7%	79.0%	11.0%	10.0%	35	68	#N/A	68	148	318	685
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	59	#N/A	#N/A	#N/A	92	198
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	76	163	352
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	76	164	353
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	97	210
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	51	111	238
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	99	212
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	102	221
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	91	197	425
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	98	211	455
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	55	118	255	550
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	62	#N/A	#N/A	60	130	281
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	61	#N/A	#N/A	58	126	270
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	61	#N/A	#N/A	54	116	250
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	64	138	297
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	55	#N/A	#N/A	#N/A	#N/A	106
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	64	137	296
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	84	181	390
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	64	139	299
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	64	138	298
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	58	#N/A	#N/A	#N/A	76	163
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	78	168	361
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	83	179	386
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	66	#N/A	51	110	236	510
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	100	214
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	56	#N/A	#N/A	#N/A	57	122
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	59	#N/A	#N/A	#N/A	80	173
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	54	117	252
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	77	165	356
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	82	177	382
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	99	214
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	59	#N/A	#N/A	#N/A	91	196
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	59	#N/A	#N/A	#N/A	87	187
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	69	150	322
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	69	148	318
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	64	138	297
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	71	152	328
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	52	112	241
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	75	162	348
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	88	190	409
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	92	198	426
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	91	197	424

PASADENA NOISE ELEMENT

Existing Traffic Volumes

N-S Street	South of E-W Street	PM Peak Hour South Bound	PM Peak Hour North Bound	Average ADT (N-S)
Madre	Sierra Madre Blvd	1056	788	23,050
Madre	Orange Grove	291	335	7,820
Madre	Foothill	1193	840	25,410
Madre	Colorado	778	607	17,310
Madre	del Mar	694	498	14,900
Rosemead	Orange Grove	1096	851	24,340
Rosemead	Greenhill	818	460	15,980
Rosemead	Hastings Ranch	1467	788	28,190
Michillinda	Sierra Madre Blvd	418	308	9,060

Calculated Noise Contours

Vehicle Mix: Auto	Vehicle Mix: Medium Truck	Vehicle Mix: Heavy Truck	Percent Daily Traffic: Day (7am-7pm)	Percent Daily Traffic: Evening (7-10 pm)	Percent Daily Traffic: Night (10pm-7am)	Speed	Ldn @ 100'	Distance to dBA Contour Line, feet: 75	70	65	60	55
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	83	179	385
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	59	#N/A	#N/A	#N/A	87	187
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	89	191	411
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	69	148	318
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	62	134	288
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	40	66	#N/A	58	126	271	584
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	40	65	#N/A	#N/A	95	205	441
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	66	#N/A	51	110	238	512
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	60	#N/A	#N/A	#N/A	96	207

FREEWAYS

Existing Traffic Volumes

Freeway	Segment	PM Peak Hour West Bound	PM Peak Hour East Bound	Average ADT	Side Line*
Ventura (134)	w/ 210	8588	9298	223,560	L
Foothill (210)	w/ Lincoln	7550	4918	155,850	L
Foothill (210)	s/ Lincoln	8448	5527	174,690	E
Foothill (210)	s/ Barth	8448	5527	174,690	D
Foothill (210)	e/ 134 interchange	11892	10724	282,700	D
Foothill (210)	e/ Hill	11645	10323	274,600	D
Foothill (210)	e/ Allen	11645	10323	274,600	L
Foothill (210)	e/ Altadena	10666	9148	247,670	E
Foothill (210)	e/ Madre	9824	8907	234,140	E
SR 710	s/ 210	3162	2953	76,440	D

* Side Line: Freeway height with general respect to adjacent land. E=elevated, L=level, D=depressed

Calculated Noise Contours

Vehicle Mix: Auto	Vehicle Mix: Medium Truck	Vehicle Mix: Heavy Truck	Percent Daily Traffic: Day (7am-7pm)	Percent Daily Traffic: Evening (7-10 pm)	Percent Daily Traffic: Night (10pm-7am)	Speed	Ldn @ 100'	Distance to dBA Contour Line, feet: 75	70	65	60	55
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	84	414	892	1922	4140	8920
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	83	326	701	1511	3255	7013
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	83	351	757	1630	3512	7567
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	83	150	196	422	910	1960
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	85	150	270	582	1254	2702
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	85	150	265	571	1230	2650
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	85	475	1023	2204	4748	10230
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	85	443	955	2057	4433	9550
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	84	427	920	1982	4270	9199
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	80	120	150	243	524	1130

PASADENA NOISE ELEMENT

Future Traffic Volumes (Year 2015)

E-W Street	East of N-S Street	PM Peak Hour West Bound	PM Peak Hour East Bound	Average ADT E-W
Woodbury	Lincoln	919	1095	25,180
Woodbury	Fair Oaks	1417	1223	32,990
Woodbury	Los Robles	1046	978	25,290
New York	Lake	778	773	19,380
New York	Allen	653	656	16,360
New York	Altadena	984	1048	25,390
Washington	Lincoln	586	736	16,510
Washington	Fair Oaks	805	969	22,170
Washington	Los Robles	1010	902	23,900
Washington	Lake	1141	983	26,560
Washington	Allen	1087	746	22,920
Washington	Altadena	886	807	21,150
Sierra Madre	Washington	1228	1570	34,970
Sierra Madre	Riveria	831	1142	24,660
Orange Grove	Lincoln	443	866	16,360
Orange Grove	Fair Oaks	546	1131	20,960
Orange Grove	Los Robles	621	1164	22,310
Orange Grove	Lake	1479	1364	35,540
Orange Grove	Allen	806	370	14,690
Orange Grove	Altadena	747	265	12,650
Orange Grove	Sierra Madre	403	185	7,350
Walnut	Fair Oaks	1119	1491	32,620
Walnut	Los Robles	1071	1511	32,260
Walnut	Lake	912	1566	30,980
Walnut	Hill	1066	1790	35,700
Foothill	Allen	964	1362	29,080
Foothill	Sierra Madre	551	1070	20,260
Foothill	Altadena	1052	994	25,580
Foothill	San Gabriel	1229	1395	32,800
Foothill	Madre	1016	1191	27,580
Foothill	Rosemead	1350	2109	43,240
Colorado	Orange Grove	1367	414	22,260
Colorado	Fair Oaks	1421	980	30,010
Colorado	Los Robles	1457	1410	35,830
Colorado	Lake	1492	1662	39,430
Colorado	Allen	1649	1886	44,190
Colorado	Sierra Madre	1100	1233	29,160
Colorado	Altadena	1343	1461	35,050
Colorado	San Gabriel	677	1502	27,240
Colorado	Madre	1186	1851	37,960
Colorado	Rosemead	912	2114	37,830
del Mar	Orange Grove	1214	858	25,890
del Mar	Fair Oaks	1584	1054	32,980
del Mar	Los Robles	1531	1174	33,810
del Mar	Lake	1615	1569	39,800
del Mar	Allen	1552	1471	37,780
del Mar	Sierra Madre	1799	1403	40,030
del Mar	Altadena	1366	1444	35,130
del Mar	San Gabriel	505	900	17,570
del Mar	Madre	474	804	15,980
California	Orange Grove	826	703	19,100
California	Fair Oaks	1199	1179	29,720
California	Los Robles	1218	1284	31,280
California	Lake	710	858	19,600
California	Allen	570	690	15,740
California	Sierra Madre	637	860	18,710
California	Altadena	881	833	21,430
California	San Gabriel	539	700	15,480
California	Madre	703	690	17,410
California	Rosemead	891	931	22,780
Glenarm	Pasadena	274	541	10,190
Glenarm	Fair Oaks	985	1025	25,120
Glenarm	Los Robles	233	314	6,840

Calculated Noise Contours

Vehicle Mix: Auto	Vehicle Mix: Medium Truck	Vehicle Mix: Heavy Truck	Percent Daily Traffic: Day (7am-7pm)	Percent Daily Traffic: Evening (7-10 pm)	Percent Daily Traffic: Night (10pm-7am)	Speed	Ldn @ 100'	Distance to dBA Contour Line, feet: 75	70	65	60	55
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	67	144	310
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	64	#N/A	#N/A	80	172	371
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	67	144	311
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	56	121	261
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	50	108	233
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	50	69	#N/A	82	178	383	824
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	66	143	308
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	81	174	375
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	85	183	395
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	91	197	423
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	83	178	384
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	78	169	364
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	67	#N/A	66	141	304	656
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	66	#N/A	52	112	241	519
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	66	142	307
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	78	168	362
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	81	175	377
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	67	#N/A	66	143	308	663
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	63	#N/A	#N/A	79	171	368
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	63	#N/A	#N/A	72	154	333
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	40	60	#N/A	#N/A	#N/A	108	232
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	30	65	#N/A	#N/A	96	207	445
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	30	65	#N/A	#N/A	95	205	442
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	30	65	#N/A	#N/A	93	200	430
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	30	65	#N/A	#N/A	102	219	473
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	66	#N/A	52	113	243	523
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	89	191	411
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	103	223	480
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	66	#N/A	57	122	263	567
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	66	#N/A	50	109	234	505
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	68	#N/A	68	147	316	681
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	25	62	#N/A	#N/A	59	128	276
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	25	63	#N/A	#N/A	72	156	336
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	25	64	#N/A	#N/A	82	176	379
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	66	#N/A	50	109	234	504
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	66	#N/A	54	117	253	544
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	64	#N/A	#N/A	89	191	412
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	65	#N/A	#N/A	100	216	466
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	108	232	499
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	67	#N/A	62	134	289	623
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	67	#N/A	62	134	288	622
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	68	147	316
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	105	227	489
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	107	231	497
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	55	119	257	554
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	54	115	249	536
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	56	120	258	557
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	51	110	237	510
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	69	149	321
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	65	140	302
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	56	120	258
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	63	#N/A	#N/A	75	161	347
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	63	#N/A	#N/A	77	166	359
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	57	122	263
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	105	227
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	72	156	335
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	79	170	367
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	64	137	295
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	69	148	319
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	82	177	382
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	57	#N/A	#N/A	#N/A	59	128
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	67	144	310
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	59	#N/A	#N/A	#N/A	80	171

PASADENA NOISE ELEMENT

Future Traffic Volumes (Year 2015)

N-S Street	South of E-W Street	PM Peak Hour South Bound	PM Peak Hour North Bound	Average ADT N-S
Linda Vista	210 Fwy	157	216	4,660
Lincoln	Woodbury	1337	1824	39,520
Lincoln	210 Fwy	543	535	13,480
Lincoln	Washington	301	688	12,370
Lincoln	Orange Grove	717	2	8,980
Orange Grove	Colorado	808	1153	24,500
	del Mar	965	1548	31,410
	California	1301	1442	34,300
St. John	del Mar	3080	0	38,500
	California	1787	0	22,340
Pasadena	del Mar	0	2892	36,150
	California	0	1981	24,760
	Bellefontaine	1402	1911	41,410
Fair Oaks	Woodbury	448	469	11,460
Fair Oaks	Washington	1169	1324	31,170
Fair Oaks	Orange Grove	955	1152	26,330
Fair Oaks	Walnut	1198	1526	34,050
Fair Oaks	Colorado	1090	1158	28,090
Fair Oaks	del Mar	889	1502	29,890
Fair Oaks	California	1525	1554	38,490
Arroyo Parkway	Colorado	1201	1896	38,720
Arroyo Parkway	del Mar	1621	2212	47,910
Arroyo Parkway	California	2120	2733	60,660
Los Robles	Woodbury	356	604	12,010
Los Robles	Washington	766	1051	22,710
Los Robles	Orange Grove	552	1132	21,050
Los Robles	Walnut	916	1003	23,990
Los Robles	Colorado	1113	656	22,110
Los Robles	del Mar	628	651	15,990
Los Robles	California	683	713	17,440
Lake	Woodbury	1294	1602	36,190
Lake	Washington	1432	1686	38,980
Lake	Orange Grove	1495	1871	42,080
Lake	Walnut	1241	1771	37,640
Lake	Colorado	1396	1507	36,290
Lake	del Mar	1429	1213	33,020
Lake	California	1042	936	24,730
Hill	Woodbury	205	502	8,840
Hill	Washington	579	885	18,290
Hill	Orange Grove	976	1411	29,850
Hill	Walnut	1137	1207	29,300
Hill	Colorado	1165	1025	27,380
Hill	del Mar	504	402	11,310
Allen	Woodbury	802	894	21,190
Allen	Washington	871	1328	27,490
Allen	Orange Grove	1069	1496	32,060
Allen	Walnut	412	442	10,680
Allen	Colorado	250	334	7,300
Allen	del Mar	301	580	11,000
Altadena	Woodbury	746	721	18,340
Altadena	Washington	746	1186	24,160
Altadena	Orange Grove	761	1135	23,700
Altadena	Foothill	1117	913	25,360
Altadena	Colorado	1108	833	24,260
Altadena	del Mar	678	930	20,110
Sierra Madre	Washington	786	951	21,710
Sierra Madre	Orange Grove	672	1103	22,190
Sierra Madre	210 Freeway	728	955	21,040
Sierra Madre	Foothill	557	779	16,700
Sierra Madre	Colorado	476	602	13,480
Sierra Madre	del Mar	841	813	20,680
San Gabriel	210 Freeway	1712	677	29,860
San Gabriel	Colorado	1523	899	30,280
San Gabriel	del Mar	1630	1320	36,870

Calculated Noise Contours

Vehicle Mix: Auto	Vehicle Mix: Medium Truck	Vehicle Mix: Heavy Truck	Percent Daily Traffic: Day (7am-7pm)	Percent Daily Traffic: Evening (7-10 pm)	Percent Daily Traffic: Night (10pm-7am)	Speed	Ldn @ 100'	Distance to dBA Contour Line, feet: 75	70	65	60	55
99.4%	0.5%	0.1%	79.0%	11.0%	10.0%	35	56	#N/A	#N/A	#N/A	57	123
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	55	119	256	552
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	58	125	269
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	55	118	254
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	58	#N/A	#N/A	#N/A	72	156
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	86	186	401
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	102	220	473
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	50	108	233	502
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	62	#N/A	#N/A	67	144	309
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	62	133	286
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	52	112	241	520
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	66	142	307
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	65	#N/A	#N/A	93	201	432
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	60	130	280
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	66	#N/A	55	118	254	546
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	64	#N/A	#N/A	83	179	385
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	65	#N/A	#N/A	99	212	457
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	66	#N/A	51	110	237	510
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	66	#N/A	53	114	247	531
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	67	#N/A	63	135	292	629
97.5%	1.8%	0.7%	79.0%	11.0%	10.0%	35	66	#N/A	56	121	260	561
97.5%	1.8%	0.7%	79.0%	11.0%	10.0%	35	67	#N/A	65	139	300	646
97.5%	1.8%	0.7%	79.0%	11.0%	10.0%	35	68	#N/A	76	163	351	756
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	54	116	249
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	82	177	381
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	78	168	363
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	65	139	300
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	61	132	284
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	106	229
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	52	113	243
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	52	112	242	520
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	55	118	254	547
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	58	124	267	575
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	62	#N/A	#N/A	66	141	305
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	62	#N/A	#N/A	64	138	297
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	25	62	#N/A	#N/A	60	130	279
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	66	142	307
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	58	#N/A	#N/A	#N/A	72	154
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	71	153	330
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	99	212	458
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	63	#N/A	#N/A	74	159	343
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	63	#N/A	#N/A	71	152	328
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	59	#N/A	#N/A	#N/A	84	182
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	91	196	422
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	66	#N/A	50	108	233	502
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	35	66	#N/A	56	120	258	557
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	98	211
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	58	#N/A	#N/A	#N/A	76	164
94.9%	3.7%	1.4%	79.0%	11.0%	10.0%	30	60	#N/A	#N/A	#N/A	100	215
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	71	154	331
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	86	184	397
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	85	182	392
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	67	145	312
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	62	#N/A	#N/A	65	140	303
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	30	61	#N/A	#N/A	58	124	267
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	80	172	370
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	64	#N/A	#N/A	81	174	376
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	78	168	362
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	62	#N/A	#N/A	67	144	311
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	61	#N/A	#N/A	58	125	269
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	77	166	358
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	99	212	458
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	100	214	462
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	53	114	245	527

PASADENA NOISE ELEMENT

Future Traffic Volumes (Year 2015)

N-S Street	South of E-W Street	PM Peak Hour South Bound	PM Peak Hour North Bound	Average ADT N-S
Madre	Sierra Madre Blvd	1548	1313	35,750
Madre	Orange Grove	340	365	8,800
Madre	Foothill	1715	612	29,090
Madre	Colorado	850	796	20,580
Madre	del Mar	792	643	17,940
Rosemead	Orange Grove	1570	1561	39,140
Rosemead	Greenhill	1303	1038	29,260
Rosemead	Hastings Ranch	1868	1406	40,930
Michillinda	Sierra Madre Blvd	342	455	9,950

Calculated Noise Contours

Vehicle Mix: Auto	Vehicle Mix: Medium Truck	Vehicle Mix: Heavy Truck	Percent Daily Traffic: Day (7am-7pm)	Percent Daily Traffic: Evening (7-10 pm)	Percent Daily Traffic: Night (10pm-7am)	Speed	Ldn @ 100'	Distance to dBA Contour Line, feet: 75	70	65	60	55
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	66	#N/A	52	111	240	516
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	60	#N/A	#N/A	#N/A	94	203
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	65	#N/A	#N/A	97	209	450
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	77	166	357
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	63	#N/A	#N/A	70	151	326
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	40	69	#N/A	80	173	372	802
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	40	67	#N/A	66	142	307	661
94.0%	5.0%	1.0%	79.0%	11.0%	10.0%	35	67	#N/A	66	142	305	657
97.6%	2.1%	0.3%	79.0%	11.0%	10.0%	35	60	#N/A	#N/A	#N/A	102	220

FREEWAYS

Future Traffic Volumes (Year 2015)

Freeway	Segment	PM Peak Hour West Bound	PM Peak Hour East Bound	Average ADT	Side Line*
Ventura (134)	w/ 210	10987	10126	263,920	L
Foothill (210)	w/ Lincoln	10486	6776	215,770	L
Foothill (210)	s/ Lincoln	11796	7460	240,700	E
Foothill (210)	s/ Barth	11796	7460	240,700	D
Foothill (210)	e/ 134 interchange	14937	12724	345,750	D
Foothill (210)	e/ Hill	13641	11825	318,320	D
Foothill (210)	e/ Allen	13641	11825	318,320	L
Foothill (210)	e/ Altadena	12715	10463	289,720	E
Foothill (210)	e/ Madre	11474	10276	271,870	E
IS 710	s/ 210	3878	3402	91,000	D

* Side Line: Freeway height with general respect to adjacent land. E=elevated, L=level, D=depressed

Calculated Noise Contours

Vehicle Mix: Auto	Vehicle Mix: Medium Truck	Vehicle Mix: Heavy Truck	Percent Daily Traffic: Day (7am-7pm)	Percent Daily Traffic: Evening (7-10 pm)	Percent Daily Traffic: Night (10pm-7am)	Speed	Ldn @ 100'	Distance to dBA Contour Line, feet: 75	70	65	60	55
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	85	462	996	2146	4624	9963
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	84	404	871	1877	4043	8711
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	85	435	937	2019	4349	9370
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	85	150	243	523	1126	2427
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	86	150	309	666	1434	3090
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	86	150	292	630	1357	2924
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	86	524	1129	2432	5240	11289
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	85	492	1060	2284	4921	10602
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	85	472	1016	2189	4717	10162
90.0%	4.0%	6.0%	75.0%	10.0%	15.0%	65	80	120	150	273	589	1269

Assumptions for Future Los Angeles to Pasadena Metro Blue Line contours

Sound Level for train pass-by[1]*:*

Event Duration	8 sec
Leq	82.1 dBA
SEL	91.2 dBA
Lmax	87.9 dB
Peak	101.5 dB

Train Warning Horn[2]*:*

Sound level @ 100ft with horn	64.3 dBA
Sound level @ 100ft without horn	61.99 dBA

Distance to dBA Contour Line (feet):

	60 dBA	**65 dBA**	**70 dBA**
With horn	192	89	41
Without horn	136	63	29

[1] Levels were taken from a current train pass-by measurement along Washington Boulevard in downtown Los Angeles. Event duration was 8 seconds.
[2] Gomez, 1995.