
APPENDIX C

NOISE

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N O I S E F U N D A M E N T A L S

Fundamentals of Noise

NOISE

Noise is most often defined as unwanted sound; whether it is loud, unpleasant, unexpected, or otherwise undesirable. Although sound can be easily measured, the perception of noise and the physical response to sound complicate the analysis of its impact on people. People judge the relative magnitude of sound sensation in subjective terms such as “noisiness” or “loudness.”

Noise Descriptors

The following are brief definitions of terminology used in this chapter:

- **Sound.** A disturbance created by a vibrating object, which, when transmitted by pressure waves through a medium such as air, is capable of being detected by a receiving mechanism, such as the human ear or a microphone.
- **Noise.** Sound that is loud, unpleasant, unexpected, or otherwise undesirable.
- **Decibel (dB).** A unitless measure of sound, expressed on a logarithmic scale and with respect to a defined reference sound pressure. The standard reference pressure is 20 micropascals (20 μPa).
- **Vibration Decibel (VdB).** A unitless measure of vibration, expressed on a logarithmic scale and with respect to a defined reference vibration velocity. In the U.S., the standard reference velocity is 1 micro-inch per second (1×10^{-6} in/sec).
- **A-Weighted Decibel (dBA).** An overall frequency-weighted sound level in decibels that approximates the frequency response of the human ear.
- **Equivalent Continuous Noise Level (L_{eq}); also called the Energy-Equivalent Noise Level.** The value of an equivalent, steady sound level which, in a stated time period (often over an hour) and at a stated location, has the same A-weighted sound energy as the time-varying sound. Thus, the L_{eq} metric is a single numerical value that represents the equivalent amount of variable sound energy received by a receptor over the specified duration.
- **Statistical Sound Level (L_n).** The sound level that is exceeded “n” percent of time during a given sample period. For example, the L_{50} level is the statistical indicator of the time-varying noise signal that is exceeded 50 percent of the time (during each sampling period); that is, half of the sampling time, the changing noise levels are above this value and half of the time they are below it. This is called the “median sound level.” The L_{10} level, likewise, is the value that is exceeded 10 percent of the time (i.e., near the maximum) and this is often known as the “intrusive sound level.” The L_{90} is the sound level exceeded 90 percent of the time and is often considered the “effective background level” or “residual noise level.”

- **Maximum Sound Level ($L_{\max}$).** The highest RMS sound level measured during the measurement period.
- **Root Mean Square Sound Level (RMS).** The square root of the average of the square of the sound pressure over the measurement period.
- **Day-Night Sound Level (L_{dn} or DNL).** The energy-average of the A-weighted sound levels occurring during a 24-hour period, with 10 dB added to the sound levels occurring during the period from 10:00 PM to 7:00 AM.
- **Community Noise Equivalent Level (CNEL).** The energy average of the A-weighted sound levels occurring during a 24-hour period, with 5 dB added from 7:00 PM to 10:00 PM and 10 dB from 10:00 PM to 7:00 AM. NOTE: For general community/environmental noise, CNEL and L_{dn} values rarely differ by more than 1 dB (with the CNEL being only slightly more restrictive – that is, higher than the L_{dn} value). As a matter of practice, L_{dn} and CNEL values are interchangeable and are treated as equivalent in this assessment.
- **Peak Particle Velocity (PPV).** The peak rate of speed at which soil particles move (e.g., inches per second) due to ground vibration.
- **Sensitive Receptor.** Noise- and vibration-sensitive receptors include land uses where quiet environments are necessary for enjoyment and public health and safety. Residences, schools, motels and hotels, libraries, religious institutions, hospitals, and nursing homes are examples.

Characteristics of Sound

When an object vibrates, it radiates part of its energy in the form of a pressure wave. Sound is that pressure wave transmitted through the air. Technically, airborne sound is a rapid fluctuation or oscillation of air pressure above and below atmospheric pressure that creates sound waves.

Sound can be described in terms of amplitude (loudness), frequency (pitch), or duration (time). Loudness or amplitude is measured in dB, frequency or pitch is measured in Hertz [Hz] or cycles per second, and duration or time variations is measured in seconds or minutes.

Amplitude

Unlike linear units such as inches or pounds, decibels are measured on a logarithmic scale. Because of the physical characteristics of noise transmission and perception, the relative loudness of sound does not closely match the actual amounts of sound energy. Table 1 presents the subjective effect of changes in sound pressure levels. Ambient sounds generally range from 30 dBA (very quiet) to 100 dBA (very loud). Changes of 1 to 3 dB are detectable under quiet, controlled conditions, and changes of less than 1 dB are usually not discernible (even under ideal conditions). A 3 dB change in noise levels is considered the minimum change that is detectable with human hearing in outside environments. A change of 5 dB is readily discernible to most people in an exterior environment, and a 10 dB change is perceived as a doubling (or halving) of the sound.

Table 1 Noise Perceptibility

Change in dB	Noise Level
± 3 dB	Barely perceptible increase
± 5 dB	Readily perceptible increase
± 10 dB	Twice or half as loud
± 20 dB	Four times or one-quarter as loud

Source: California Department of Transportation (Caltrans). 2013, September. Technical Noise Supplement ("TeNS").

Frequency

The human ear is not equally sensitive to all frequencies. Sound waves below 16 Hz are not heard at all, but are “felt” more as a vibration. Similarly, though people with extremely sensitive hearing can hear sounds as high as 20,000 Hz, most people cannot hear above 15,000 Hz. In all cases, hearing acuity falls off rapidly above about 10,000 Hz and below about 200 Hz.

When describing sound and its effect on a human population, A-weighted (dBA) sound levels are typically used to approximate the response of the human ear. The A-weighted noise level has been found to correlate well with people’s judgments of the “noisiness” of different sounds and has been used for many years as a measure of community and industrial noise. Although the A-weighted scale and the energy-equivalent metric are commonly used to quantify the range of human response to individual events or general community sound levels, the degree of annoyance or other response also depends on several other perceptibility factors, including:

- Ambient (background) sound level
- General nature of the existing conditions (e.g., quiet rural or busy urban)
- Difference between the magnitude of the sound event level and the ambient condition
- Duration of the sound event
- Number of event occurrences and their repetitiveness
- Time of day that the event occurs

Duration

Time variation in noise exposure is typically expressed in terms of a steady-state energy level equal to the energy content of the time varying period (called L_{eq}), or alternately, as a statistical description of the sound level that is exceeded over some fraction of a given observation period. For example, the L_{50} noise level represents the noise level that is exceeded 50 percent of the time; half the time the noise level exceeds this level and half the time the noise level is less than this level. This level is also representative of the level that is exceeded 30 minutes in an hour. Similarly, the L_2 , L_8 and L_{25} values represent the noise levels that are exceeded 2, 8, and 25 percent of the time or 1, 5, and 15 minutes per hour, respectively. These “n” values are typically used to demonstrate compliance for stationary noise sources with many cities’ noise ordinances. Other values typically noted during a noise survey are the L_{min} and L_{max} . These values represent the minimum and maximum root-mean-square noise levels obtained over the measurement period, respectively.

Because community receptors are more sensitive to unwanted noise intrusion during the evening and at night, state law and many local jurisdictions use an adjusted 24-hour noise descriptor called the Community Noise Equivalent Level (CNEL) or Day-Night Noise Level (L_{dn}). The CNEL descriptor requires that an artificial increment (or “penalty”) of 5 dBA be added to the actual noise level for the hours from 7:00 PM to 10:00

PM and 10 dBA for the hours from 10:00 PM to 7:00 AM. The L_{dn} descriptor uses the same methodology except that there is no artificial increment added to the hours between 7:00 PM and 10:00 PM. Both descriptors give roughly the same 24-hour level, with the CNEL being only slightly more restrictive (i.e., higher). The CNEL or L_{dn} metrics are commonly applied to the assessment of roadway and airport-related noise sources.

Sound Propagation

Sound dissipates exponentially with distance from the noise source. This phenomenon is known as “spreading loss.” For a single-point source, sound levels decrease by approximately 6 dB for each doubling of distance from the source (conservatively neglecting ground attenuation effects, air absorption factors, and barrier shielding). For example, if a backhoe at 50 feet generates 84 dBA, at 100 feet the noise level would be 79 dBA, and at 200 feet it would be 73 dBA. This drop-off rate is appropriate for noise generated by on-site operations from stationary equipment or activity at a project site. If noise is produced by a line source, such as highway traffic, the sound decreases by 3 dB for each doubling of distance over a reflective (“hard site”) surface such as concrete or asphalt. Line source noise in a relatively flat environment with ground-level absorptive vegetation decreases by an additional 1.5 dB for each doubling of distance.

Psychological and Physiological Effects of Noise

Physical damage to human hearing begins at prolonged exposure to noise levels higher than 85 dBA. Exposure to high noise levels affects the entire system, with prolonged noise exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. Extended periods of noise exposure above 90 dBA results in permanent cell damage, which is the main driver for employee hearing protection regulations in the workplace. For community environments, the ambient or background noise problem is widespread, though generally worse in urban areas than in outlying, less-developed areas. Elevated ambient noise levels can result in noise interference (e.g., speech interruption/masking, sleep disturbance, disturbance of concentration) and cause annoyance. Since most people do not routinely work with decibels or A-weighted sound levels, it is often difficult to appreciate what a given sound pressure level number means. To help relate noise level values to common experience, Table 2 shows typical noise levels from familiar sources.

Table 2 Typical Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Onset of physical discomfort	120+	
	110	Rock Band (near amplification system)
Jet Flyover at 1,000 feet		
	100	
Gas Lawn Mower at three feet		
	90	
Diesel Truck at 50 feet, at 50 mph		Food Blender at 3 feet
	80	Garbage Disposal at 3 feet
Noisy Urban Area, Daytime		
	70	Vacuum Cleaner at 10 feet
Commercial Area		Normal speech at 3 feet
Heavy Traffic at 300 feet	60	
		Large Business Office
Quiet Urban Daytime	50	Dishwasher Next Room
Quiet Urban Nighttime	40	Theater, Large Conference Room (background)
Quiet Suburban Nighttime		
	30	Library
Quiet Rural Nighttime		Bedroom at Night, Concert Hall (background)
	20	
		Broadcast/Recording Studio
	10	
Lowest Threshold of Human Hearing	0	Lowest Threshold of Human Hearing

Source: California Department of Transportation (Caltrans). 2013, September. Technical Noise Supplement ("TeNS").

Vibration Fundamentals

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

Vibration amplitudes are usually described in terms of either the peak particle velocity (PPV) or the root mean square (RMS) velocity. PPV is the maximum instantaneous peak of the vibration signal and RMS is the

square root of the average of the squared amplitude of the signal. PPV is more appropriate for evaluating potential building damage and RMS is typically more suitable for evaluating human response.

As with airborne sound, annoyance with vibrational energy is a subjective measure, depending on the level of activity and the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Persons accustomed to elevated ambient vibration levels, such as in an urban environment, may tolerate higher vibration levels. Table 3 displays the human response and the effects on buildings resulting from continuous vibration (in terms of various levels of PPV).

Table 3 Human Reaction to Typical Vibration Levels

Vibration Level, PPV (in/sec)	Human Reaction	Effect on Buildings
0.006–0.019	Threshold of perception, possibility of intrusion	Vibrations unlikely to cause damage of any type
0.08	Vibrations readily perceptible	Recommended upper level of vibration to which ruins and ancient monuments should be subjected
0.10	Level at which continuous vibration begins to annoy people	Virtually no risk of “architectural” (i.e. not structural) damage to normal buildings
0.20	Vibrations annoying to people in buildings	Threshold at which there is a risk to “architectural” damage to normal dwelling – houses with plastered walls and ceilings
0.4–0.6	Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable to some people walking on bridges	Vibrations at a greater level than normally expected from traffic, but would cause “architectural” damage and possibly minor structural damage

Source: California Department of Transportation (Caltrans). 2020, April. *Transportation and Construction Vibration Guidance Manual*. Prepared by ICF International.

N O I S E M O N I T O R I N G D A T A

Measurement Report

Report Summary

Meter's File Name	LxT_Data.060.s	Computer's File Name	LxT_0005426-20250628 102824-LxT_Data.060.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-1
Job Description	FHS-08.0, Troy HS		
Note			
Start Time	2025-06-28 11:28:24	Duration	0:15:00.0
End Time	2025-06-28 11:43:24	Run Time	0:15:00.0
Pre-Calibration	2025-06-28 09:59:15		

Results

Overall Metrics

LA _{eq}	60.6 dB		
LAE	90.1 dB	SEA	--- dB
EA	114.8 µPa²h		
EA8	3.7 mPa²h		
EA40	18.4 mPa²h		
LA _{Speak}	90.1 dB	2025-06-28 11:40:44	
LA _{Smax}	72.5 dB	2025-06-28 11:40:41	
LA _{Smin}	54.9 dB	2025-06-28 11:36:57	
LA _{eq}	60.6 dB		
LC _{eq}	71.9 dB	LC _{eq} - LA _{eq}	11.3 dB
LA _{Ieq}	64.1 dB	LA _{Ieq} - LA _{eq}	3.5 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LASpeak > 135.0 dB	0	0:00:00.0
LASpeak > 137.0 dB	0	0:00:00.0
LASpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	60.6 dB		--- dB		--- dB	
L _{S(max)}	72.5 dB	2025-06-28 11:40:41	--- dB	None	--- dB	None
L _{S(min)}	54.9 dB	2025-06-28 11:36:57	--- dB	None	--- dB	None
L _{Peak(max)}	90.1 dB	2025-06-28 11:40:44	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	66.5 dB
LAS 8.0	62.9 dB
LAS 25.0	60.7 dB
LAS 50.0	59.3 dB
LAS 90.0	57.4 dB
LAS 99.0	56.1 dB

Project Name: Troy HS

Date: 6/28/25

Project Number: FHS-06

Monitoring Personnel: LZ

Monitoring Site #: ST-1

Time Start: 11:20^{AM} End: 10:43^{AM}

Site Location/Address: Site of LT-1; adjacent to fence of 2331 Nutwood Ave and fence btwn track and field and La Vista HS parking lot.

Primary Noise Source: idling from tow truck parked on track ~13 yards. football games

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA

Data File: 60 ☒ Photos: _____

Comments (sound walls, height, etc.) _____

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)
<u>12.1 mph</u>	<u>4.5 mph</u>	<u>76.5</u>	<u>72%</u>

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Calibration

Note, for ST measurements, calibration is only necessary before and after each monitoring period per day per meter - not before and after every ST measurement in that day. So only fill out calibration info on one ST sheet unless using two different meters for ST's.

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☐ 94 dB ☐ 114 dB

Calibration Offset Prior: _____

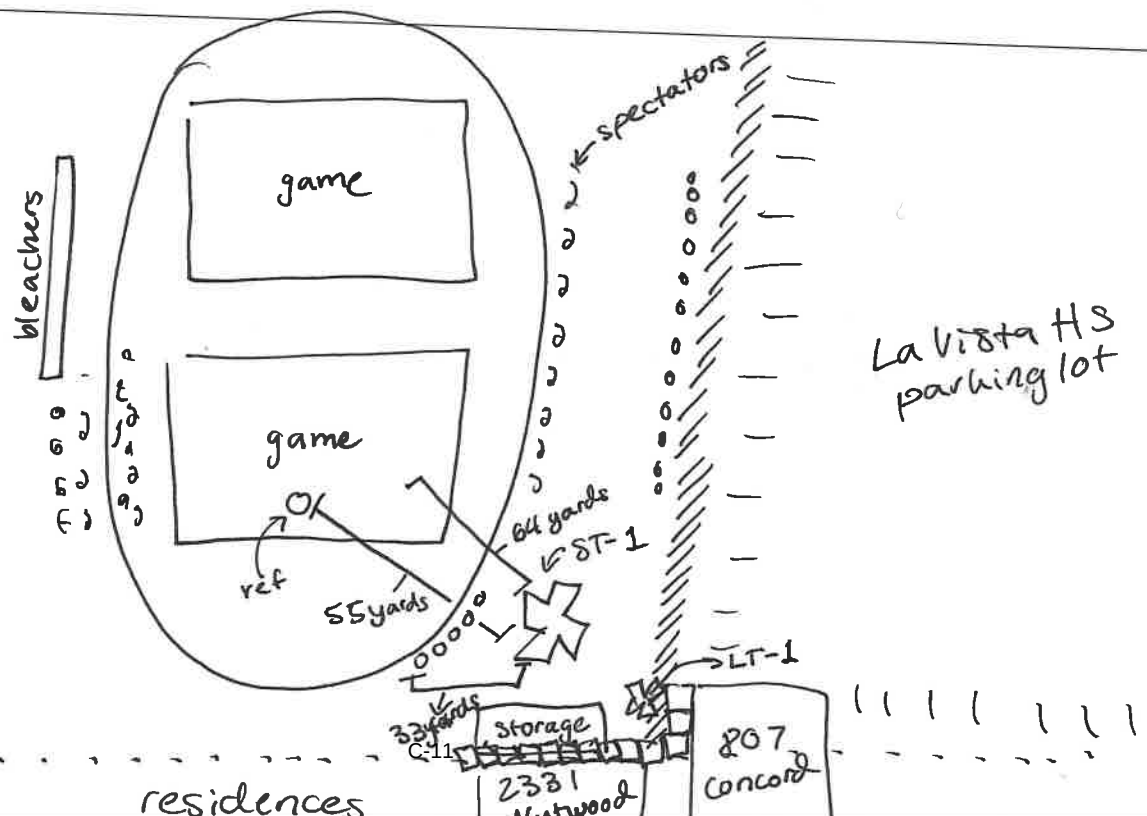
Offset After: _____

Caltone File Before: File # _____

Caltone File Before: File # _____

Additional Notes:

<u>Spectator Cheer</u>	<u>Game in Play</u>	<u>Ref Whistle</u>
→ 71 dBA @ 30 yards	→ 64 dBA @ 64y	→ 68 dBA @ 55y
→ 70 dBA @ 30 yards	→ 66 dBA @ 64y	→ 65 dBA @ 55y
		→ 71 dBA @ 55y



Measurement Report

Report Summary

Meter's File Name	LxT_Data.059.s	Computer's File Name	LxT_0005426-20250628 101131-LxT_Data.059.ldbin
Meter	LxT1 0005426 User	Firmware	2.404
LZ		Location	LT-2
Job Description	FHS-08.0, Troy HS		
Note			
Start Time	2025-06-28 11:11:31	Duration	0:15:00.0
End Time	2025-06-28 11:26:31	Run Time	0:15:00.0
Pre-Calibration	2025-06-28 09:59:15		

Results

Overall Metrics

LA _{eq}	57.0 dB		
LAE	86.5 dB	SEA	--- dB
EA	50.1 $\mu\text{Pa}^2\text{h}$		
EA8	1.6 mPa^2h		
EA40	8.0 mPa^2h		
LA _{Speak}	94.3 dB		2025-06-28 11:16:06
LA _{Smax}	72.6 dB		2025-06-28 11:25:02
LA _{Smin}	49.2 dB		2025-06-28 11:12:48
LA _{eq}	57.0 dB		
LC _{eq}	69.0 dB	LC _{eq} - LA _{eq}	12.0 dB
LA _{Ieq}	61.3 dB	LA _{Ieq} - LA _{eq}	4.3 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LAS _{peak} > 135.0 dB	0	0:00:00.0
LAS _{peak} > 137.0 dB	0	0:00:00.0
LAS _{peak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

A		C		Z	
Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	57.0 dB	--- dB		--- dB	
L _{S(max)}	72.6 dB	--- dB	None	--- dB	None
L _{S(min)}	49.2 dB	--- dB	None	--- dB	None
L _{Peak(max)}	94.3 dB	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	63.3 dB
LAS 8.0	59.4 dB
LAS 25.0	56.8 dB
LAS 50.0	55.1 dB
LAS 90.0	52.8 dB
LAS 99.0	50.3 dB

Project Name: Troy HSDate: 6/28/25Project Number: FHS-06Monitoring Personnel: L2Monitoring Site #: ST-2Time Start: 11:11 End: 11:26Site Location/Address: Site of LT-2, at the backyard of 2313 Nutwood Ave (~16.5 ft) northPrimary Noise Source: music playing from speakers; spectators talking, cheering; players shouting; more distant noise at other games (no active game on closest field)
↳ ~430 ft north

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA

Data File: 59 ☒ Photos: _____Comments (sound walls, height, etc.): Wooden at residence, no CMU wall

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)
<u>7.2</u>	<u>4.9</u>	<u>77</u>	<u>72%</u>

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Calibration

Note, for ST measurements, calibration is only necessary before and after each monitoring period per day per meter - not before and after every ST measurement in that day. So only fill out calibration info on one ST sheet unless using two different meters for ST's.

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☐ 94 dB ☐ 114 dB

Calibration Offset Prior: _____

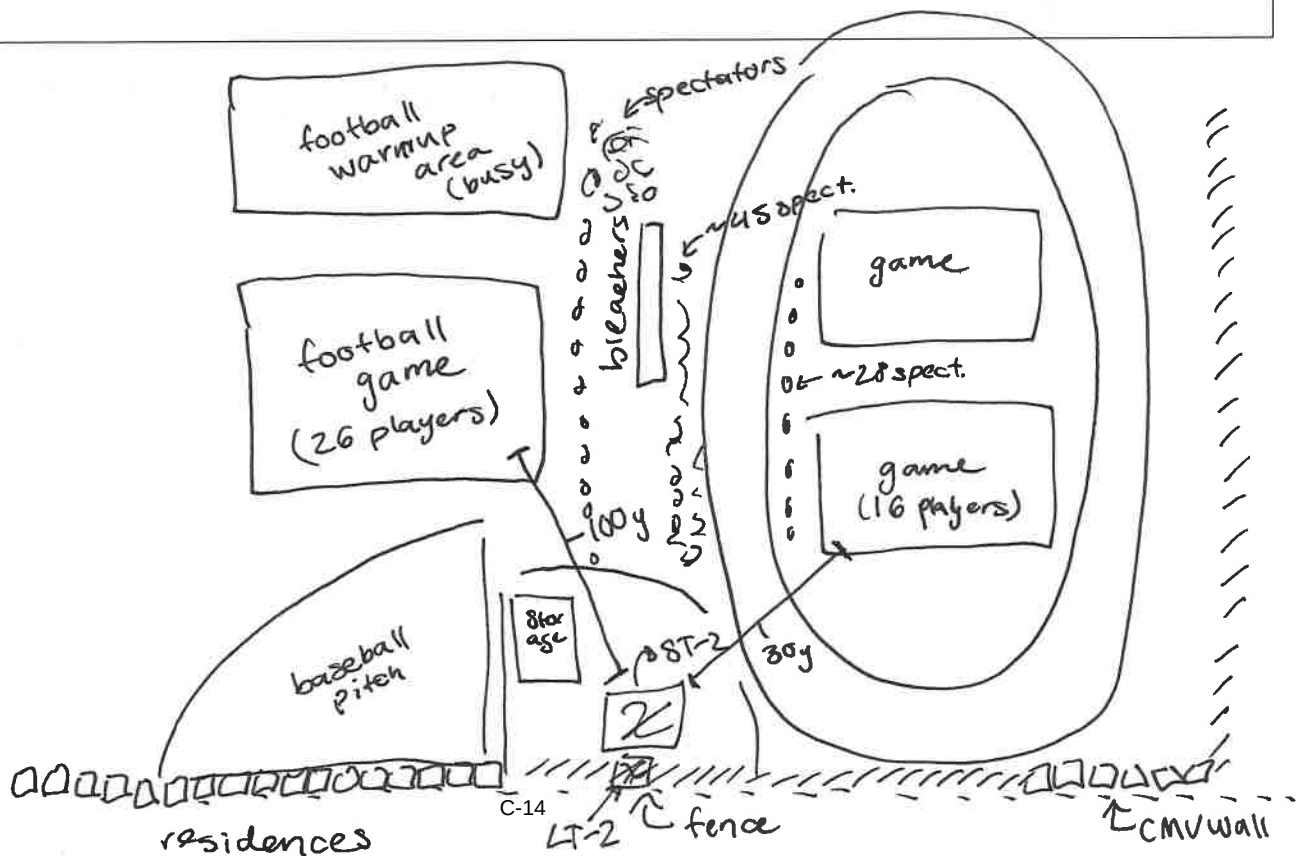
Offset After: _____

Caltone File Before: File # _____

Caltone File Before: File # _____

Additional Notes:

<u>Spectators</u>	<u>Cheers</u>	<u>Whistle</u>	<u>Game in Play</u>
→ 28 @ track+field ~30 yards	→ 72 dBA @ 44y		→ 57 dBA @ 30y (track game)
→ 44 @ area east of track			
<u>Players</u>			
→ 16 players on track field			
→ 26 players on field west of meter			



Measurement Report

Report Summary

Meter's File Name	LxT_Data.057.s	Computer's File Name	LxT_0005426-20250628 092944-LxT_Data.057.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-3
Job Description	FHS-08.0		
Note			
Start Time	2025-06-28 10:29:44	Duration	0:15:00.0
End Time	2025-06-28 10:44:44	Run Time	0:15:00.0
Pre-Calibration	2025-06-28 09:59:15		

Results

Overall Metrics

LA _{eq}	62.0 dB		
LAE	91.5 dB	SEA	--- dB
EA	158.5 µPa²h		
EA8	5.1 mPa²h		
EA40	25.4 mPa²h		
LA _{Speak}	102.5 dB	2025-06-28 10:41:42	
LA _{Smax}	78.1 dB	2025-06-28 10:42:30	
LA _{Smin}	49.5 dB	2025-06-28 10:35:22	
LA _{eq}	62.0 dB		
LC _{eq}	68.5 dB	LC _{eq} - LA _{eq}	6.5 dB
LAI _{eq}	68.1 dB	LAI _{eq} - LA _{eq}	6.1 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LASpeak > 135.0 dB	0	0:00:00.0
LASpeak > 137.0 dB	0	0:00:00.0
LASpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	62.0 dB		--- dB		--- dB	
L _{S(max)}	78.1 dB	2025-06-28 10:42:30	--- dB	None	--- dB	None
L _{S(min)}	49.5 dB	2025-06-28 10:35:22	--- dB	None	--- dB	None
L _{Peak(max)}	102.5 dB	2025-06-28 10:41:42	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	71.4 dB
LAS 8.0	65.7 dB
LAS 25.0	60.2 dB
LAS 50.0	57.1 dB
LAS 90.0	53.7 dB
LAS 99.0	51.8 dB

Project Name: Troy HS
Project Number: FHS-06
Monitoring Site #: 8T-3

Date: 6/28/25
Monitoring Personnel: LZ
Time Start: 10:29 End: 10:44

Site Location/Address: site of LT-3; between two football fields north of the residences on 2219 and 2225 Nutwood Ave.

Primary Noise Source: Player warmups and spectators, general activity from teams setting up equipment

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA

Data File: 57 ☒ Photos: _____

Comments (sound walls, height, etc..) spectators are sitting very close to LT-3

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)
<u>4 mph</u>	<u>1.8 mph</u>	<u>77.7</u>	<u>65</u>

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Calibration

Note, for ST measurements, calibration is only necessary before and after each monitoring period per day per meter - not before and after every ST measurement in that day. So only fill out calibration info on one ST sheet unless using two different meters for ST's.

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☐ 94 dB ☐ 114 dB

Calibration Offset Prior: _____

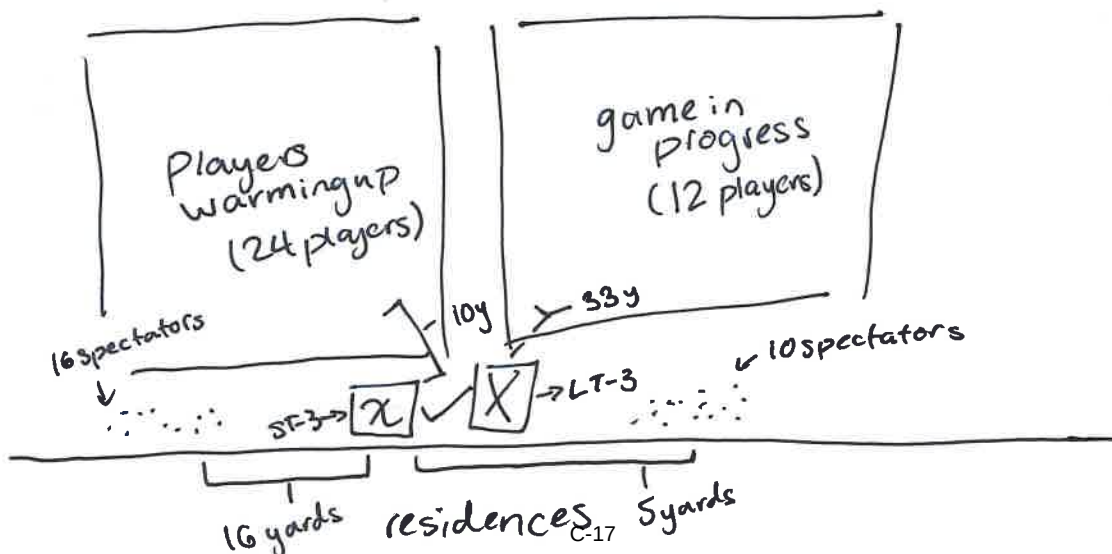
Offset After: _____

Caltone File Before: File # _____

Caltone File Before: File # _____

Additional Notes:

<u>Football Play</u>	<u>Ref Whistle</u>	<u>Spectators</u>	<u>Players/Coach</u>
→ 57 dBA, 55 yards	→ 67 dBA, 70 yards	→ 56 dBA, 10 yards	→ 65 dBA, 13 yards
→ 61 dBA, 55 yards	→ 74 dBA, 40 yards	→ 66 dBA, 13 yards (yelling)	→ 74 dBA, 20 yards (yelling from players + spect.)
	→ 76 dBA, 50 yards	→ 73 dBA, 5 yards (clapping)	



Measurement Report

Report Summary

Meter's File Name	LxT_Data.056.s	Computer's File Name	LxT_0005426-20250628 090433-LxT_Data.056.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-4
Job Description	FHS-08.0		
Note			
Start Time	2025-06-28 10:04:33	Duration	0:15:00.0
End Time	2025-06-28 10:19:33	Run Time	0:15:00.0
Pre-Calibration	2025-06-28 09:59:17		

Results

Overall Metrics

LA _{eq}	59.7 dB		
LAE	89.2 dB	SEA	--- dB
EA	93.3 $\mu\text{Pa}^2\text{h}$		
EA8	3.0 mPa^2h		
EA40	14.9 mPa^2h		
LA _{Speak}	92.6 dB	2025-06-28 10:15:19	
LA _{Smax}	74.6 dB	2025-06-28 10:17:38	
LA _{Smin}	49.0 dB	2025-06-28 10:07:14	
LA _{eq}	59.7 dB		
LC _{eq}	67.0 dB	LC _{eq} - LA _{eq}	7.3 dB
LA _{Ieq}	65.9 dB	LA _{Ieq} - LA _{eq}	6.2 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LASpeak > 135.0 dB	0	0:00:00.0
LASpeak > 137.0 dB	0	0:00:00.0
LASpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	59.7 dB		--- dB		--- dB	
L _{S(max)}	74.6 dB	2025-06-28 10:17:38	--- dB	None	--- dB	None
L _{S(min)}	49.0 dB	2025-06-28 10:07:14	--- dB	None	--- dB	None
L _{Peak(max)}	92.6 dB	2025-06-28 10:15:19	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	66.7 dB
LAS 8.0	63.2 dB
LAS 25.0	60.0 dB
LAS 50.0	57.5 dB
LAS 90.0	53.5 dB
LAS 99.0	50.9 dB

Project Name: Troy HS

Date: 6/28/25

Project Number: FHS-06

Monitoring Personnel: LZ

Monitoring Site #: ST-4

Time Start: 10:03 End: 10:19

Site Location/Address: Site of LT-4; end of Ladera Vista cul-de-sac, north of 800 Ladera Vista Ave.

Primary Noise Source: Spectators talking, shouting from players + coaches, whistles from nearby game

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA

Data File: 56 ☒ Photos: _____

Comments (sound walls, height, etc.): lots of spectators in proximity of meters (ST + LT)

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)
<u>5.4 mph</u>	<u>4 mph</u>	<u>78.1</u>	<u>65</u>

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Calibration

Note, for ST measurements, calibration is only necessary before and after each monitoring period per day per meter - not before and after every ST measurement in that day. So only fill out calibration info on one ST sheet unless using two different meters for ST's.

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☐ 94 dB ☐ 114 dB

Calibration Offset Prior: _____

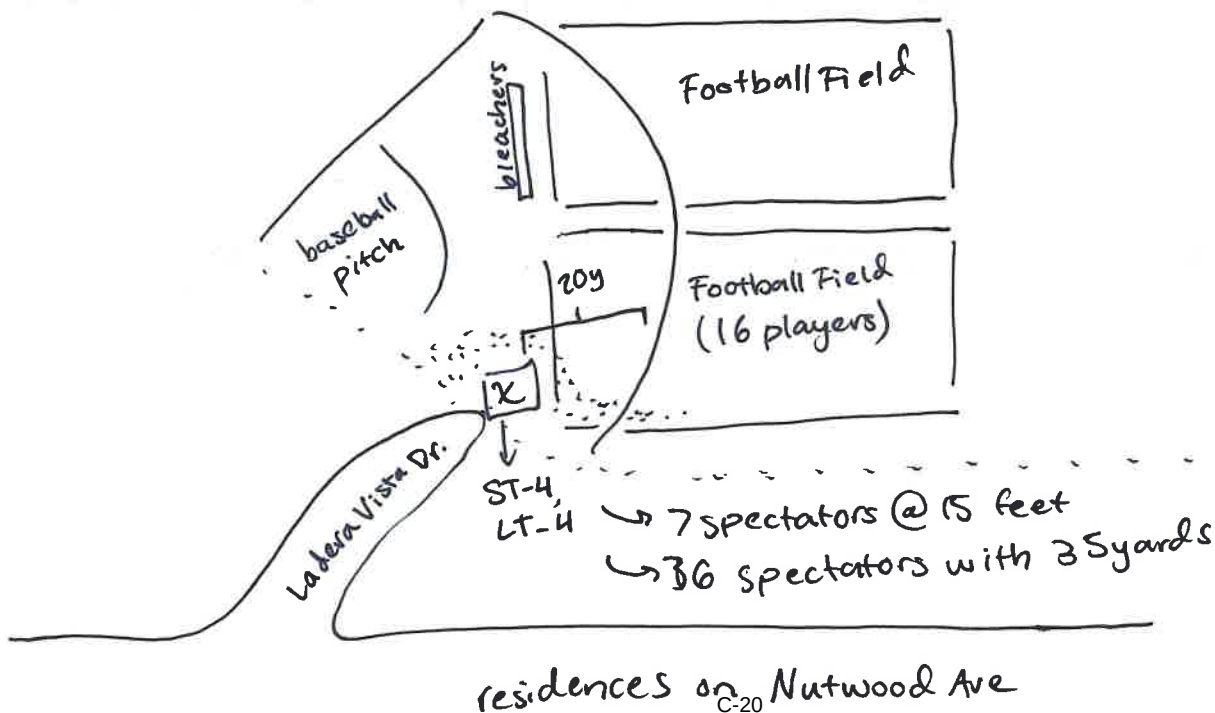
Offset After: _____

Caltone File Before: File # _____

Caltone File Before: File # _____

Additional Notes:

<u>Spectators</u>	<u>Whistle</u>	<u>Players (during football play)</u>
↪ 65 dBA, 5 yards	↪ 71 dBA, 22 yards	↪ 57 dBA, 25 yards



Measurement Report

Report Summary

Meter's File Name	LxT_Data.061.s	Computer's File Name	LxT_0005426-20250628 105934-LxT_Data.061.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-5
Job Description	FHS-08.0		
Note			
Start Time	2025-06-28 11:59:34	Duration	0:15:00.0
End Time	2025-06-28 12:14:34	Run Time	0:15:00.0
Pre-Calibration	2025-06-28 09:59:15		

Results

Overall Metrics

LA _{eq}	51.7 dB		
LAE	81.2 dB	SEA	--- dB
EA	14.8 µPa²h		
EA8	473.3 µPa²h		
EA40	2.4 mPa²h		
LA _{Speak}	80.1 dB	2025-06-28 12:11:51	
LA _{Smax}	66.0 dB	2025-06-28 12:11:51	
LA _{Smin}	42.7 dB	2025-06-28 12:01:02	
LA _{eq}	51.7 dB		
LC _{eq}	66.8 dB	LC _{eq} - LA _{eq}	15.1 dB
LA _{Ieq}	53.5 dB	LA _{Ieq} - LA _{eq}	1.8 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LASpeak > 135.0 dB	0	0:00:00.0
LASpeak > 137.0 dB	0	0:00:00.0
LASpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	51.7 dB		--- dB		--- dB	
L _{S(max)}	66.0 dB	2025-06-28 12:11:51	--- dB	None	--- dB	None
L _{S(min)}	42.7 dB	2025-06-28 12:01:02	--- dB	None	--- dB	None
L _{Peak(max)}	80.1 dB	2025-06-28 12:11:51	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	60.1 dB
LAS 8.0	53.8 dB
LAS 25.0	51.3 dB
LAS 50.0	49.0 dB
LAS 90.0	44.8 dB
LAS 99.0	43.0 dB

Project Name: Troy HHS

Date: 6/28/23

Project Number: FHS-06

Monitoring Personnel: LZ

Monitoring Site #: ST-5

Time Start: 11:59 End: 12:14

Site Location/Address: Site of LT-5; West Troy HHS parking lot near
cul-de-sac of East Union Ave.

Primary Noise Source: engines idling, cars passing by the meter at
low speeds

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA

Data File: 61 ☒ Photos: _____

Comments (sound walls, height, etc.) _____

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)
<u>6.3 mph</u>	<u>4.5 mph</u>	<u>81.7</u>	<u>65</u>

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Measurement Report

Report Summary

Meter's File Name	LxT_Data.062.s	Computer's File Name	LxT_0005426-20250628 112931-LxT_Data.062.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-6
Job Description	FHS-08.0		
Note			
Start Time	2025-06-28 12:29:31	Duration	0:15:00.0
End Time	2025-06-28 12:44:31	Run Time	0:15:00.0
Pre-Calibration	2025-06-28 09:59:15		

Results

Overall Metrics

LA _{eq}	64.2 dB		
LAE	93.7 dB	SEA	--- dB
EA	263.0 µPa²h		
EA8	8.4 mPa²h		
EA40	42.1 mPa²h		
LA _{Speak}	99.1 dB	2025-06-28 12:37:21	
LA _{Smax}	79.9 dB	2025-06-28 12:36:50	
LA _{Smin}	53.5 dB	2025-06-28 12:38:01	
LA _{eq}	64.2 dB		
LC _{eq}	72.5 dB	LC _{eq} - LA _{eq}	8.3 dB
LA _{Ieq}	69.7 dB	LA _{Ieq} - LA _{eq}	5.5 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LAS _{peak} > 135.0 dB	0	0:00:00.0
LAS _{peak} > 137.0 dB	0	0:00:00.0
LAS _{peak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	64.2 dB		--- dB		--- dB	
L _{S(max)}	79.9 dB	2025-06-28 12:36:50	--- dB	None	--- dB	None
L _{S(min)}	53.5 dB	2025-06-28 12:38:01	--- dB	None	--- dB	None
L _{Peak(max)}	99.1 dB	2025-06-28 12:37:21	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	73.3 dB
LAS 8.0	67.8 dB
LAS 25.0	63.0 dB
LAS 50.0	60.0 dB
LAS 90.0	56.8 dB
LAS 99.0	54.8 dB

Project Name: Troy HSDate: 6/28/25Project Number: FHS-06Monitoring Personnel: LZMonitoring Site #: ST-6Time Start: 12:29 End: 12:44Site Location/Address: Troy HS track + field, southeast corner of track,
west of La Vista HS parking lotPrimary Noise Source: football game activity - yelling + cheering, clapping,
ref whistle, music

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA

Data File: 62 ☒ Photos: _____

Comments (sound walls, height, etc.) _____

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)
<u>8.3 mph</u>	<u>3.6 mph</u>	<u>81.3</u>	<u>65</u>

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

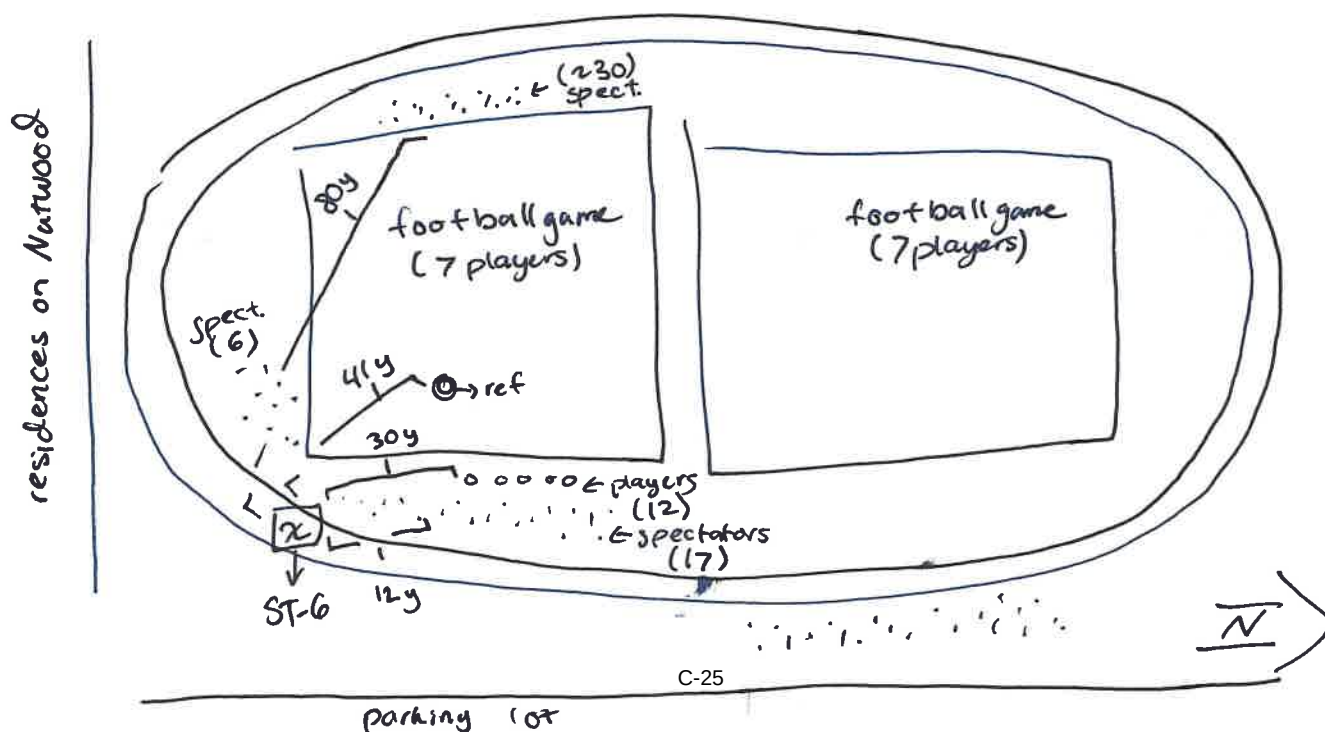
Note, for ST measurements, calibration is only necessary before and after each monitoring period per day per meter - not before and after every ST measurement in that day. So only fill out calibration info on one ST sheet unless using two different meters for ST's.

1 kHz Tone Reference Level: ☐ 94 dB ☐ 114 dB

Offset After: _____

Caltone File Before: File # _____

<u>Cheering Spectators</u>	<u>Game Play</u>	<u>Ref Whistle</u>
↳ 74 dBA, 12 yards	57 dBA, 22 yards	↳ 67 dBA, 41 yards
↳ 67 dBA, 57 yards	63 dBA, 23 yards	↳ 75 dBA, 20 yards
↳ 60 dBA, 30 yards		
↳ 75 dBA, 12 yards		
↳ 77 dBA (cheering from all)		



Measurement Report

Report Summary

Meter's File Name	LxT_Data.063.s	Computer's File Name	LxT_0005426-20250628 114921-LxT_Data.063.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-7
Job Description	FHS-08.0		
Note			
Start Time	2025-06-28 12:49:21	Duration	0:12:59.5
End Time	2025-06-28 13:02:21	Run Time	0:12:57.9
Pre-Calibration	2025-06-28 09:59:15		

Results

Overall Metrics

LA _{eq}	65.7 dB		
LAE	94.6 dB	SEA	--- dB
EA	321.1 µPa²h		
EA8	11.9 mPa²h		
EA40	59.4 mPa²h		
LA _{Speak}	97.1 dB	2025-06-28 13:01:19	
LA _{Smax}	77.2 dB	2025-06-28 13:00:43	
LA _{Smin}	56.3 dB	2025-06-28 12:55:27	
LA _{eq}	65.7 dB		
LC _{eq}	74.9 dB	LC _{eq} - LA _{eq}	9.2 dB
LAI _{eq}	69.9 dB	LAI _{eq} - LA _{eq}	4.2 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LASpeak > 135.0 dB	0	0:00:00.0
LASpeak > 137.0 dB	0	0:00:00.0
LASpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	65.7 dB		--- dB		--- dB	
L _{S(max)}	77.2 dB	2025-06-28 13:00:43	--- dB	None	--- dB	None
L _{S(min)}	56.3 dB	2025-06-28 12:55:27	--- dB	None	--- dB	None
L _{Peak(max)}	97.1 dB	2025-06-28 13:01:19	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	72.8 dB
LAS 8.0	69.7 dB
LAS 25.0	65.9 dB
LAS 50.0	64.1 dB
LAS 90.0	58.2 dB
LAS 99.0	57.0 dB

Project Name: Troy HSDate: 6/28/25Project Number: FHS-06Monitoring Personnel: LZMonitoring Site #: ST-7Time Start: 12:49 End: 13:02Site Location/Address: northwest end of track and field, next to high jump pitchPrimary Noise Source: music from DJ booth, football game activity at track and field, portable generator

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA
12:48	music stops	54-58
12:50	music starts then stops	
12:54	music starts again	65

Data File: 03 ☒ Photos: _____Comments (sound walls, height, etc.): levels with ~~no~~ music + ~~no~~ peak noise = 54-58 dBA
levels ~~with~~ music + ~~no~~ peak noise = 65 dBA

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)
7.6 mph	5.4 mph	82.4	65

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Calibration

Note, for ST measurements, calibration is only necessary before and after each monitoring period per day per meter - not before and after every ST measurement in that day. So only fill out calibration info on one ST sheet unless using two different meters for ST's.

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☐ 94 dB ☐ 114 dB

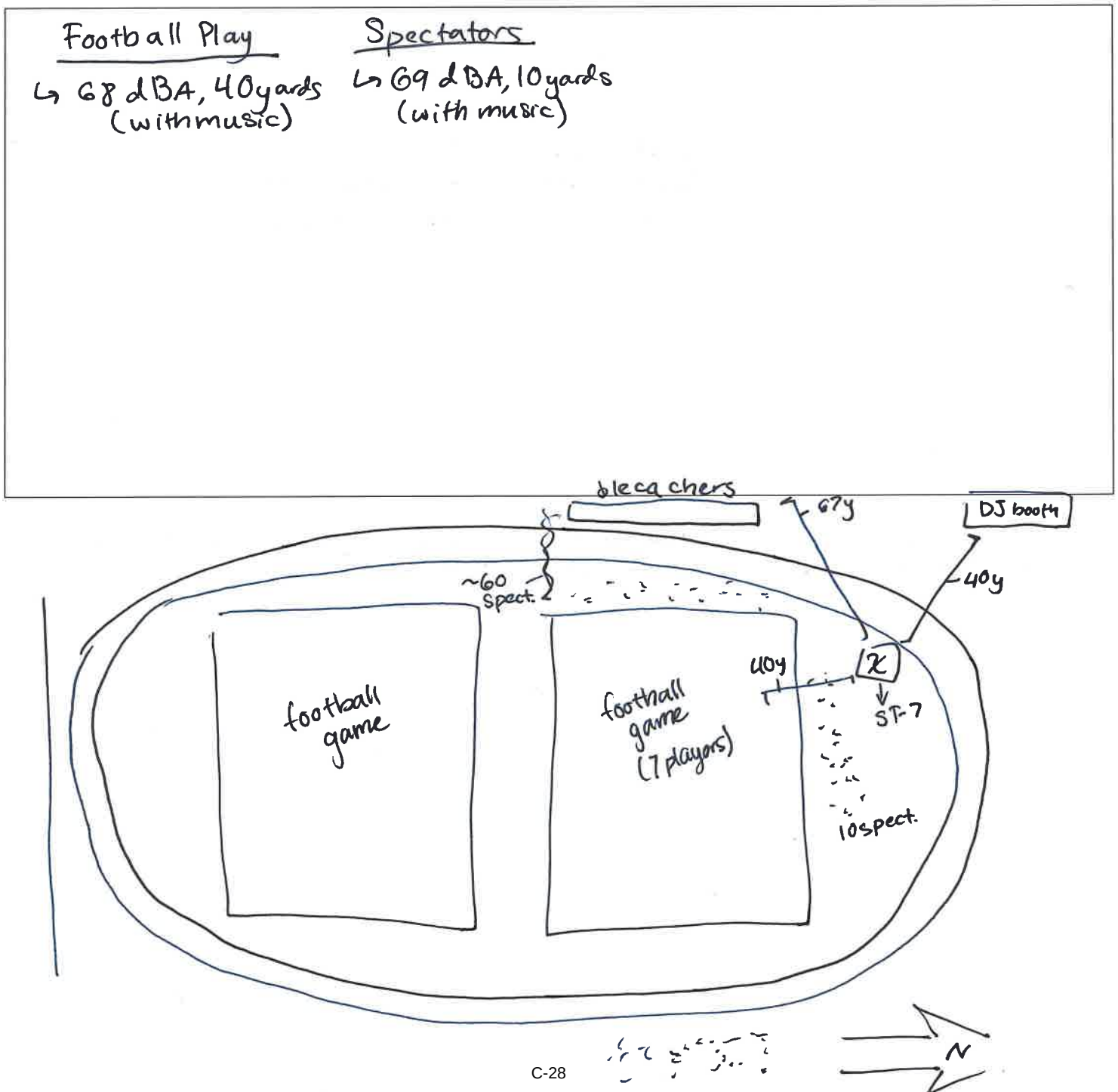
Calibration Offset Prior: _____

Offset After: _____

Caltone File Before: File # _____

Caltone File Before: File # _____

Additional Notes:



Measurement Report

Report Summary

Meter's File Name	LxT_Data.058.s	Computer's File Name	LxT_0005426-20250628 094930-LxT_Data.058.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-8
Job Description	FHS-08.0		
Note			
Start Time	2025-06-28 10:49:30	Duration	0:15:00.0
End Time	2025-06-28 11:04:30	Run Time	0:15:00.0
Pre-Calibration	2025-06-28 09:59:15		

Results

Overall Metrics

LA _{eq}	58.0 dB		
LAE	87.5 dB	SEA	--- dB
EA	63.1 μ Pa ² h		
EA8	2.0 mPa ² h		
EA40	10.1 mPa ² h		
LA _{Speak}	90.1 dB	2025-06-28 10:49:48	
LA _{Smax}	75.5 dB	2025-06-28 10:49:48	
LA _{Smin}	48.0 dB	2025-06-28 11:04:08	
LA _{eq}	58.0 dB		
LC _{eq}	66.9 dB	LC _{eq} - LA _{eq}	8.9 dB
LAI _{eq}	63.7 dB	LAI _{eq} - LA _{eq}	5.7 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LASpeak > 135.0 dB	0	0:00:00.0
LASpeak > 137.0 dB	0	0:00:00.0
LASpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	58.0 dB		--- dB		--- dB	
L _{S(max)}	75.5 dB	2025-06-28 10:49:48	--- dB	None	--- dB	None
L _{S(min)}	48.0 dB	2025-06-28 11:04:08	--- dB	None	--- dB	None
L _{Peak(max)}	90.1 dB	2025-06-28 10:49:48	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	66.4 dB
LAS 8.0	61.0 dB
LAS 25.0	56.4 dB
LAS 50.0	54.3 dB
LAS 90.0	51.2 dB
LAS 99.0	49.5 dB

Project Name: Troy HS

Date: 6/28/25

Project Number: FHS-06

Monitoring Personnel: L2

Monitoring Site #: ST-8

Time Start: 10:49 End: 11:04

Site Location/Address: 15 feet north of backyard fence of residence on
2301 Nutwood Ave

Primary Noise Source: football games, spectators yelling

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA
11:04	practice game starts (north of meter, ~34 y)	

Data File: 58 ☒ Photos: _____

Comments (sound walls, height, etc.) _____

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)
3.4 mph	3.4 mph	77.7	65

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Calibration

Note, for ST measurements, calibration is only necessary before and after each monitoring period per day per meter - not before and after every ST measurement in that day. So only fill out calibration info on one ST sheet unless using two different meters for ST's.

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☐ 94 dB ☐ 114 dB

Calibration Offset Prior: _____

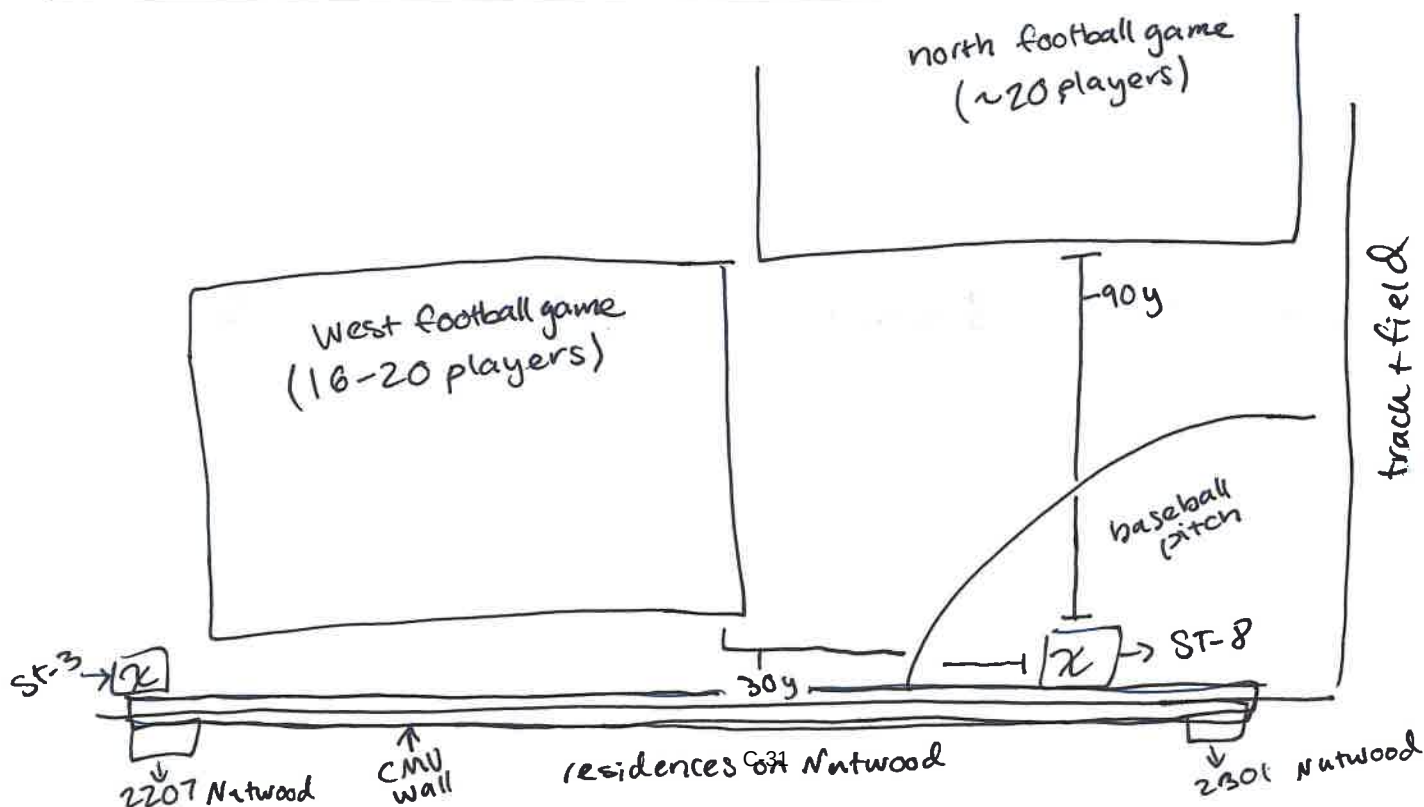
Offset After: _____

Caltone File Before: File # _____

Caltone File Before: File # _____

Additional Notes:

<u>Cheering Spectators</u>	<u>Ref Whistle</u>	<u>Non-peak Ambient</u>
↳ 71 dBA, 30 yards (west game)	↳ 72 dBA, 47 yards (west game)	↳ 52 dBA, 30 yards
↳ 66 dBA, 40 yards	↳ 66 dBA, 83 yards (west game)	
	↳ 67 dBA, 60 yards	



Measurement Report

Report Summary

Meter's File Name	LxT_Data.064.s	Computer's File Name	LxT_0005426-20250630 080006-LxT_Data.064.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-9
Job Description	FHS-08.0		
Note			
Start Time	2025-06-30 08:00:06	Duration	0:15:00.0
End Time	2025-06-30 08:15:06	Run Time	0:15:00.0
Pre-Calibration	2025-06-30 07:59:32	Post-Calibration	None
		Pause Time	0:00:00.0
		Calibration Deviation	---

Results

Overall Metrics

LA _{eq}	46.8 dB		
LAE	76.3 dB	SEA	--- dB
EA	4.8 µPa²h		
EA8	153.2 µPa²h		
EA40	765.8 µPa²h		
LA _{Speak}	78.1 dB		2025-06-30 08:00:15
LA _{Smax}	57.6 dB		2025-06-30 08:08:58
LA _{Smin}	41.7 dB		2025-06-30 08:14:50
LA _{eq}	46.8 dB		
LC _{eq}	60.4 dB	LC _{eq} - LA _{eq}	13.6 dB
LA _{Ieq}	51.5 dB	LA _{Ieq} - LA _{eq}	4.7 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LAS _{peak} > 135.0 dB	0	0:00:00.0
LAS _{peak} > 137.0 dB	0	0:00:00.0
LAS _{peak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	46.8 dB		--- dB		--- dB	
L _{S(max)}	57.6 dB	2025-06-30 08:08:58	--- dB	None	--- dB	None
L _{S(min)}	41.7 dB	2025-06-30 08:14:50	--- dB	None	--- dB	None
L _{Peak(max)}	78.1 dB	2025-06-30 08:00:15	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	51.6 dB
LAS 8.0	48.8 dB
LAS 25.0	47.4 dB
LAS 50.0	45.9 dB
LAS 90.0	43.5 dB
LAS 99.0	42.7 dB

Project Name: Troy HS

Date: 6/30/25

Project Number: FHS-06

Monitoring Personnel: L2

Monitoring Site #: ST-9

Time Start: _____ End: _____

Site Location/Address: site of ST-5, LT-5, west Troy HS parking lot

Primary Noise Source: birds chirping, distant residential noises (dog barking); no traffic

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA

Data File: _____ ☒ Photos: _____

Comments (sound walls, height, etc.): birds chirping; ~25 feet from back fence of residence (2019 E. Union Ave)

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Measurement Report

Report Summary

Meter's File Name	LxT_Data.065.s	Computer's File Name	LxT_0005426-20250630 081852-LxT_Data.065.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-10
Job Description	FHS-08.0		
Note			
Start Time	2025-06-30 08:18:52	Duration	0:15:00.0
End Time	2025-06-30 08:33:52	Run Time	0:15:00.0
Pre-Calibration	2025-06-30 07:59:31	Post-Calibration	None
		Pause Time	0:00:00.0
		Calibration Deviation	---

Results

Overall Metrics

LA _{eq}	49.9 dB		
LAE	79.4 dB	SEA	--- dB
EA	9.8 µPa²h		
EA8	312.7 µPa²h		
EA40	1.6 mPa²h		
LA _{Speak}	93.3 dB		2025-06-30 08:25:54
LA _{Smax}	73.8 dB		2025-06-30 08:25:55
LA _{Smin}	41.0 dB		2025-06-30 08:27:14
LA _{eq}	49.9 dB		
LC _{eq}	62.1 dB	LC _{eq} - LA _{eq}	12.2 dB
LA _{Ieq}	56.3 dB	LA _{Ieq} - LA _{eq}	6.4 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LASpeak > 135.0 dB	0	0:00:00.0
LASpeak > 137.0 dB	0	0:00:00.0
LASpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	50.0 dB		--- dB		--- dB	
L _{S(max)}	73.8 dB	2025-06-30 08:25:55	--- dB	None	--- dB	None
L _{S(min)}	41.0 dB	2025-06-30 08:27:14	--- dB	None	--- dB	None
L _{Peak(max)}	93.3 dB	2025-06-30 08:25:54	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	54.7 dB
LAS 8.0	51.1 dB
LAS 25.0	47.1 dB
LAS 50.0	44.4 dB
LAS 90.0	42.1 dB
LAS 99.0	41.4 dB

Project Name: Troy HS

Date: 6/30/25

Project Number: FHS-06

Monitoring Personnel: LZ

Monitoring Site #: ST-10

Time Start: 9:17 End: _____

Site Location/Address: site of ST-4, LT-4 at end of Ladera Vista Drive cul-de-sac on school site

Primary Noise Source: birds chirping, lawn equipment at nearby residences, passing traffic on Watwood Dr.

Measurement Results	
Percentiles	dBA
Leq	
Lmax	
Lmin	
L2	
L8	
L25	
L50	
Other	
SEL/CNEL	

Observed Noise Sources/Events		
Time	Noise Source Event	dBA
9:24	student walks by and talks in front of meter	

Data File: _____ ☒ Photos: _____

Comments (sound walls, height, etc..) _____

Max Wind Velocity (knots/hr)	Average Wind Velocity (knots/hr)	Temperature (F)	Relative Humidity (%)

Traffic counts in both directions:

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Measurement Report

Report Summary

Meter's File Name	LxT_Data.066.s	Computer's File Name	LxT_0005426-20250630 083639-LxT_Data.066.ldbin
Meter	LxT1 0005426	Firmware	2.404
User	LZ	Location	ST-11
Job Description	FHS-08.0		
Note			
Start Time	2025-06-30 08:36:39	Duration	0:15:00.0
End Time	2025-06-30 08:51:39	Run Time	0:15:00.0
Pre-Calibration	2025-06-30 07:59:31	Post-Calibration	None
		Pause Time	0:00:00.0
		Calibration Deviation	---

Results

Overall Metrics

LA _{eq}	52.0 dB		
LAE	81.5 dB	SEA	--- dB
EA	15.8 µPa²h		
EA8	507.2 µPa²h		
EA40	2.5 mPa²h		
LA _{Speak}	88.9 dB		2025-06-30 08:48:16
LA _{Smax}	67.6 dB		2025-06-30 08:48:16
LA _{Smin}	42.8 dB		2025-06-30 08:40:03
LA _{eq}	52.0 dB		
LC _{eq}	64.8 dB	LC _{eq} - LA _{eq}	12.8 dB
LA _{Ieq}	57.6 dB	LA _{Ieq} - LA _{eq}	5.6 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LAS _{peak} > 135.0 dB	0	0:00:00.0
LAS _{peak} > 137.0 dB	0	0:00:00.0
LAS _{peak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
--- dB	--- dB	0.0 dB	
LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	52.0 dB		--- dB		--- dB	
L _{S(max)}	67.6 dB	2025-06-30 08:48:16	--- dB	None	--- dB	None
L _{S(min)}	42.8 dB	2025-06-30 08:40:03	--- dB	None	--- dB	None
L _{Peak(max)}	88.9 dB	2025-06-30 08:48:16	--- dB	None	--- dB	None

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 2.0	59.1 dB
LAS 8.0	56.2 dB
LAS 25.0	51.7 dB
LAS 50.0	49.1 dB
LAS 90.0	45.8 dB
LAS 99.0	44.2 dB

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: FHS-08 Troy
Date: June 27-28, 2025
Site: LT-1 Day 1

	Hour	Leq	Lmax	L50	L90
1	10:00	69.3	96.8	46.7	40.2
2	11:00	51.7	67.6	50.0	47.8
3	12:00	53.5	71.1	51.1	48.9
4	13:00	52.9	76.1	50.6	48.1
5	14:00	53.7	71.7	51.5	49.4
6	15:00	53.2	71.0	51.7	49.5
7	16:00	53.0	70.6	51.8	49.5
8	17:00	52.7	69.8	50.6	47.9
9	18:00	52.6	71.3	51.2	48.8
10	19:00	51.6	67.8	50.4	48.6
11	20:00	51.8	65.8	50.7	48.9
12	21:00	51.7	71.0	50.3	47.9
13	22:00	52.0	81.1	47.4	45.6
14	23:00	49.2	74.2	46.7	45.3
15	0:00	48.2	64.7	45.8	44.7
16	1:00	47.5	71.4	44.5	43.1
17	2:00	44.6	63.9	42.7	41.7
18	3:00	46.1	71.7	42.1	41.3
19	4:00	44.6	64.6	42.8	41.4
20	5:00	46.3	58.2	44.6	43.2
21	6:00	50.7	75.3	46.4	44.5
22	7:00	57.0	78.5	53.5	48.3
23	8:00	62.7	81.9	59.3	55.9
24	9:00	64.2	81.4	60.6	57.3

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	61.0	75.7	52.4	49.3
Evening (7 p.m. - 9 p.m.)	51.7	68.2	50.5	48.5
Nighttime (9 p.m. - 7 a.m.)	48.4	69.5	44.8	43.4

Percentage of Energy	
Daytime	93%
Evening	3%
Nighttime	4%

Calculated CNEL, dBA
59.7

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: FHS-08 Troy
Date: June 28-29, 2025
Site: LT-1 Day 2

	Hour	Leq	Lmax	L50	L90
1	10:00	71.1	90.1	60.7	58.6
2	11:00	61.3	80.9	59.8	55.5
3	12:00	60.7	79.5	57.6	54.9
4	13:00	60.0	81.8	56.7	54.0
5	14:00	63.5	85.8	57.7	53.5
6	15:00	60.8	82.2	54.5	51.5
7	16:00	56.4	78.0	52.4	49.3
8	17:00	51.3	68.2	50.2	48.2
9	18:00	52.1	68.6	51.1	49.7
10	19:00	54.2	63.9	52.5	50.0
11	20:00	51.6	77.3	50.3	48.3
12	21:00	51.8	71.4	50.7	49.8
13	22:00	50.3	65.3	46.9	44.6
14	23:00	58.3	62.7	58.2	56.9
15	0:00	48.2	62.0	46.4	44.7
16	1:00	46.7	66.7	45.1	43.7
17	2:00	45.4	55.3	44.7	42.8
18	3:00	44.7	54.4	44.1	42.2
19	4:00	43.6	52.5	43.3	41.9
20	5:00	47.2	57.8	46.3	43.9
21	6:00	47.2	60.3	46.3	44.6
22	7:00	54.3	71.7	48.8	45.9
23	8:00	51.4	69.0	49.3	46.5
24	9:00	50.8	61.8	49.6	47.9

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	62.5	76.5	54.0	51.3
Evening (7 p.m. - 9 p.m.)	52.7	70.9	51.2	49.4
Nighttime (9 p.m. - 7 a.m.)	50.8	59.7	46.8	45.0

Percentage of Energy	
Daytime	93%
Evening	2%
Nighttime	5%

Calculated CNEL, dBA
61.5

Project: FHS-08.0 Troy

User: LZ

Location: LT-1

<u>No.</u>	<u>Start Date</u>	<u>Start Time</u>	<u>End Time</u>	<u>Duration</u>	<u>Leg</u>	<u>Lmax</u>	<u>Lmin</u>	<u>L1</u>	<u>L2</u>	<u>L5</u>	<u>L8</u>	<u>L10</u>	<u>L25</u>	<u>L50</u>	<u>L90</u>
1	6/27/2025	10:00 AM	11:00 AM	1:00	69.3	96.8	39.1	82.3	77.4	72.5	69.0	67.4	55.8	46.7	40.2
2	6/27/2025	11:00 AM	12:00 PM	1:00	51.7	67.6	45.3	59.6	57.4	55.2	54.1	53.5	51.5	50.0	47.8
3	6/27/2025	12:00 PM	1:00 PM	1:00	53.5	71.1	46.5	62.5	60.1	56.9	55.6	54.9	52.7	51.1	48.9
4	6/27/2025	1:00 PM	2:00 PM	1:00	52.9	76.1	45.2	61.9	59.2	56.2	55.0	54.5	52.3	50.6	48.1
5	6/27/2025	2:00 PM	3:00 PM	1:00	53.7	71.7	47.3	63.5	60.9	57.4	55.9	55.3	53.0	51.5	49.4
6	6/27/2025	3:00 PM	4:00 PM	1:00	53.2	71.0	46.5	60.3	58.7	56.4	55.3	54.9	53.1	51.7	49.5
7	6/27/2025	4:00 PM	5:00 PM	1:00	53.0	70.6	47.0	59.9	58.2	56.2	55.3	54.9	53.2	51.8	49.5
8	6/27/2025	5:00 PM	6:00 PM	1:00	52.7	69.8	45.5	61.6	59.1	56.1	54.9	54.4	52.4	50.6	47.9
9	6/27/2025	6:00 PM	7:00 PM	1:00	52.6	71.3	45.5	60.3	58.6	56.2	54.9	54.5	52.7	51.2	48.8
10	6/27/2025	7:00 PM	8:00 PM	1:00	51.6	67.8	45.6	59.1	56.4	54.1	53.4	53.0	51.6	50.4	48.6
11	6/27/2025	8:00 PM	9:00 PM	1:00	51.8	65.8	46.3	58.3	57.1	55.2	54.2	53.7	52.0	50.7	48.9
12	6/27/2025	9:00 PM	10:00 PM	1:00	51.7	71.0	45.5	59.2	57.1	54.7	53.8	53.3	51.7	50.3	47.9
13	6/27/2025	10:00 PM	11:00 PM	1:00	52.0	81.1	44.4	56.8	54.3	51.9	51.1	50.8	49.1	47.4	45.6
14	6/27/2025	11:00 PM	12:00 AM	1:00	49.2	74.2	44.1	55.8	53.7	51.6	50.7	50.3	48.3	46.7	45.3
15	6/28/2025	12:00 AM	1:00 AM	1:00	48.2	64.7	43.7	58.4	55.8	51.2	49.7	49.1	46.9	45.8	44.7
16	6/28/2025	1:00 AM	2:00 AM	1:00	47.5	71.4	42.2	55.5	53.9	51.1	49.5	48.8	46.3	44.5	43.1
17	6/28/2025	2:00 AM	3:00 AM	1:00	44.6	63.9	40.7	52.6	50.8	48.0	46.7	46.2	43.8	42.7	41.7
18	6/28/2025	3:00 AM	4:00 AM	1:00	46.1	71.7	40.7	52.0	49.6	47.1	45.8	45.2	43.2	42.1	41.3
19	6/28/2025	4:00 AM	5:00 AM	1:00	44.6	64.6	41.0	52.4	50.4	47.2	46.0	45.4	43.4	42.8	41.4
20	6/28/2025	5:00 AM	6:00 AM	1:00	46.3	58.2	42.2	53.9	52.0	49.5	48.7	48.5	46.8	44.6	43.2
21	6/28/2025	6:00 AM	7:00 AM	1:00	50.7	75.3	42.8	60.3	58.5	55.1	53.2	52.3	48.8	46.4	44.5
22	6/28/2025	7:00 AM	8:00 AM	1:00	57.0	78.5	45.6	65.1	62.2	59.1	58.2	57.8	56.3	53.5	48.3
23	6/28/2025	8:00 AM	9:00 AM	1:00	62.7	81.9	51.9	73.2	70.7	67.3	65.7	64.8	61.7	59.3	55.9
24	6/28/2025	9:00 AM	10:00 AM	1:00	64.2	81.4	54.2	74.7	73.0	69.5	67.6	66.7	63.2	60.6	57.3
25	6/28/2025	10:00 AM	11:00 AM	1:00	71.1	90.1	56.6	83.0	81.3	78.2	75.8	74.3	67.6	60.7	58.6
26	6/28/2025	11:00 AM	12:00 PM	1:00	61.3	80.9	50.7	69.7	67.2	64.2	63.2	62.7	61.0	59.8	55.5
27	6/28/2025	12:00 PM	1:00 PM	1:00	60.7	79.5	51.1	70.3	68.1	64.8	63.4	62.8	59.8	57.6	54.9
28	6/28/2025	1:00 PM	2:00 PM	1:00	60.0	81.8	50.3	68.8	66.1	63.3	61.9	61.2	58.6	56.7	54.0

29	6/28/2025	2:00 PM	3:00 PM	1:00	63.5	85.8	48.2	74.9	72.4	68.2	65.7	64.6	60.7	57.7	53.5
30	6/28/2025	3:00 PM	4:00 PM	1:00	60.8	82.2	48.1	73.0	70.3	65.7	63.2	62.2	57.3	54.5	51.5
31	6/28/2025	4:00 PM	5:00 PM	1:00	56.4	78.0	46.6	66.1	63.7	60.3	58.7	57.9	54.8	52.4	49.3
32	6/28/2025	5:00 PM	6:00 PM	1:00	51.3	68.2	45.7	57.9	56.2	54.1	53.3	52.9	51.5	50.2	48.2
33	6/28/2025	6:00 PM	7:00 PM	1:00	52.1	68.6	47.5	58.6	56.6	54.5	53.7	53.4	52.1	51.1	49.7
34	6/28/2025	7:00 PM	8:00 PM	1:00	54.2	63.9	47.8	60.7	60.0	58.7	57.7	57.2	54.9	52.5	50.0
35	6/28/2025	8:00 PM	9:00 PM	1:00	51.6	77.3	45.1	58.0	55.6	53.3	52.6	52.3	51.2	50.3	48.3
36	6/28/2025	9:00 PM	10:00 PM	1:00	51.8	71.4	48.3	57.1	55.0	53.5	52.8	52.5	51.4	50.7	49.8
37	6/28/2025	10:00 PM	11:00 PM	1:00	50.3	65.3	42.9	60.1	59.1	56.2	52.8	51.8	48.8	46.9	44.6
38	6/28/2025	11:00 PM	12:00 AM	1:00	58.3	62.7	43.5	60.7	60.6	60.3	60.1	59.9	59.2	58.2	56.9
39	6/29/2025	12:00 AM	1:00 AM	1:00	48.2	62.0	43.2	57.2	54.9	51.7	50.7	50.0	47.9	46.4	44.7
40	6/29/2025	1:00 AM	2:00 AM	1:00	46.7	66.7	42.8	53.8	50.9	48.8	47.8	47.5	46.1	45.1	43.7
41	6/29/2025	2:00 AM	3:00 AM	1:00	45.4	55.3	41.8	50.5	49.8	48.4	47.7	47.3	45.8	44.7	42.8
42	6/29/2025	3:00 AM	4:00 AM	1:00	44.7	54.4	41.4	50.0	49.1	47.5	46.8	46.4	45.1	44.1	42.2
43	6/29/2025	4:00 AM	5:00 AM	1:00	43.6	52.5	41.3	48.1	47.2	45.6	44.8	44.7	44.1	43.3	41.9
44	6/29/2025	5:00 AM	6:00 AM	1:00	47.2	57.8	42.3	51.7	51.1	50.6	50.2	50.0	48.0	46.3	43.9
45	6/29/2025	6:00 AM	7:00 AM	1:00	47.2	60.3	43.6	53.9	52.1	50.1	49.3	48.9	47.4	46.3	44.6
46	6/29/2025	7:00 AM	8:00 AM	1:00	54.3	71.7	44.2	67.4	64.6	59.4	55.9	54.3	50.3	48.8	45.9
47	6/29/2025	8:00 AM	9:00 AM	1:00	51.4	69.0	44.6	60.7	58.7	55.9	53.9	53.1	50.8	49.3	46.5
48	6/29/2025	9:00 AM	10:00 AM	1:00	50.8	61.8	45.4	57.7	56.6	54.4	53.3	52.8	51.1	49.6	47.9
49	6/29/2025	10:00 AM	11:00 AM	1:00	51.8	68.4	46.5	60.3	58.5	55.7	54.2	53.7	51.5	49.9	48.2
50	6/29/2025	11:00 AM	12:00 PM	1:00	52.7	72.9	44.8	60.2	58.2	56.3	55.2	54.6	52.4	50.8	48.2
51	6/29/2025	12:00 PM	1:00 PM	1:00	53.3	77.2	45.3	60.5	58.6	56.1	54.8	54.2	52.0	50.3	48.1
52	6/29/2025	1:00 PM	2:00 PM	1:00	50.9	66.0	45.5	57.3	55.9	54.3	53.5	53.1	51.4	49.8	47.7
53	6/29/2025	2:00 PM	3:00 PM	1:00	51.8	66.9	45.8	60.4	58.2	55.8	54.5	53.8	51.5	49.9	47.8
54	6/29/2025	3:00 PM	4:00 PM	1:00	51.8	66.9	45.8	60.7	58.6	55.4	54.1	53.6	51.8	50.2	47.9
55	6/29/2025	4:00 PM	5:00 PM	1:00	51.6	71.6	45.9	59.9	57.5	54.5	53.4	52.9	51.1	49.8	48.0
56	6/29/2025	5:00 PM	6:00 PM	1:00	51.7	73.2	47.0	58.4	56.3	53.9	52.9	52.5	51.3	50.3	48.6
57	6/29/2025	6:00 PM	7:00 PM	1:00	53.0	76.3	43.5	62.3	59.6	55.8	53.9	53.1	51.2	50.2	48.5
58	6/29/2025	7:00 PM	8:00 PM	1:00	50.9	69.2	44.2	56.5	55.5	54.0	53.3	52.9	51.3	50.1	46.8
59	6/29/2025	8:00 PM	9:00 PM	1:00	51.4	65.5	48.1	57.3	55.8	54.0	53.1	52.8	51.4	50.4	49.3
60	6/29/2025	9:00 PM	10:00 PM	1:00	50.2	61.9	44.3	56.3	54.3	52.7	52.1	51.9	50.6	49.7	46.7
61	6/29/2025	10:00 PM	11:00 PM	1:00	51.1	81.4	42.5	53.7	52.3	51.0	50.6	50.4	49.6	46.9	44.0
62	6/29/2025	11:00 PM	12:00 AM	1:00	46.5	63.9	42.7	54.7	52.5	49.0	48.1	47.8	46.2	45.0	43.6

63	6/30/2025	12:00 AM	1:00 AM	1:00	46.1	61.0	43.1	54.6	52.1	48.7	47.5	47.1	45.6	44.7	43.9
64	6/30/2025	1:00 AM	2:00 AM	1:00	45.3	63.1	41.8	53.4	50.3	48.1	47.0	46.5	44.9	43.9	42.7
65	6/30/2025	2:00 AM	3:00 AM	1:00	44.2	54.7	41.7	49.5	48.1	46.6	45.9	45.5	44.5	43.6	42.3
66	6/30/2025	3:00 AM	4:00 AM	1:00	45.0	63.6	42.0	49.7	48.5	47.1	46.4	46.1	45.0	44.3	42.8
67	6/30/2025	4:00 AM	5:00 AM	1:00	48.3	64.6	42.8	58.2	55.2	51.7	49.8	49.2	47.3	46.2	43.8
68	6/30/2025	5:00 AM	6:00 AM	1:00	50.4	67.2	45.4	59.0	56.2	53.6	52.3	51.6	49.5	48.0	46.8
69	6/30/2025	6:00 AM	7:00 AM	1:00	52.8	73.7	46.7	59.9	58.5	56.5	55.4	54.8	52.5	50.7	48.4
70	6/30/2025	7:00 AM	8:00 AM	1:00	54.0	72.1	46.8	64.5	62.3	58.9	56.7	55.6	52.7	50.8	48.4

LONG-TERM MEASUREMENT DATA SHEET

Date: Drop off 6/27/25 Pick up 6/30/25

Project Number/Name: L2

Monitoring Personnel: ↓ FHS-06, Troy HS



Meter Settings:

☐ Larson Davis Lxt ☒ Piccolo Meter Kit #: 1

☒ A-Weighted ☒ Slow ☐ Fast ☒ Windscreen

Calibration

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☒ 94 dB ☐ 114 dB

Calibration Offset Prior: 93.8

Offset After: 94.0

Time of meter mounted: 10:58

☒ Photos: _____

Site Location/Address: gate btwn La Vista HS parking lot and track field,
next to storage building and 807 Concord Ave.

Primary Noise Source: Summer camp activities at the track + field

Traffic counts in both directions (15 minute)

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Additional Notes:

Meter is mounted at around 3.5 ft near CMU wall

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: FHS-08 Troy
Date: June 27-28, 2025
Site: LT-2 Day 1

	Hour	Leq	Lmax	L50	L90
1	10:00	66.2	89.6	45.6	37.9
2	11:00	48.0	66.2	46.1	44.2
3	12:00	49.1	68.2	45.6	43.9
4	13:00	47.0	62.0	45.6	43.9
5	14:00	47.7	63.9	46.2	44.7
6	15:00	48.3	76.2	46.6	44.8
7	16:00	47.4	59.8	46.6	45.0
8	17:00	46.5	62.1	45.7	43.7
9	18:00	47.9	67.1	46.2	44.4
10	19:00	47.0	60.6	46.3	44.8
11	20:00	47.5	62.7	46.6	45.1
12	21:00	47.2	67.4	46.1	44.1
13	22:00	45.3	67.4	43.7	42.5
14	23:00	44.0	62.0	43.0	42.2
15	0:00	44.4	60.9	42.6	41.7
16	1:00	42.7	56.4	41.6	40.5
17	2:00	41.2	54.5	40.1	39.5
18	3:00	41.0	58.1	39.8	39.1
19	4:00	40.7	54.1	40.1	39.5
20	5:00	43.3	58.1	42.4	40.9
21	6:00	45.4	61.7	44.2	42.2
22	7:00	55.2	77.2	51.3	46.7
23	8:00	60.4	83.7	55.9	53.0
24	9:00	58.7	80.4	55.8	53.5

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	57.5	71.4	48.1	45.5
Evening (7 p.m. - 9 p.m.)	47.2	63.6	46.3	44.7
Nighttime (9 p.m. - 7 a.m.)	43.4	59.2	41.9	40.9

Percentage of Energy	
Daytime	95%
Evening	2%
Nighttime	3%

Calculated CNEL, dBA
55.9

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: FHS-08 Troy
Date: June 28-29, 2025
Site: LT-2 Day 2

	Hour	Leq	Lmax	L50	L90
1	10:00	60.8	83.4	56.4	54.0
2	11:00	59.0	78.0	56.1	53.2
3	12:00	60.2	78.4	57.4	53.7
4	13:00	58.5	83.0	54.7	51.1
5	14:00	58.9	79.4	53.9	49.8
6	15:00	56.3	77.9	50.0	47.1
7	16:00	51.5	73.0	47.0	44.7
8	17:00	49.3	81.8	45.6	43.9
9	18:00	47.6	65.5	46.9	45.6
10	19:00	49.9	63.6	48.5	46.4
11	20:00	47.3	74.2	45.9	44.2
12	21:00	47.3	63.3	46.8	46.0
13	22:00	46.1	64.9	42.6	41.5
14	23:00	42.9	53.2	42.3	41.2
15	0:00	45.6	63.1	42.6	41.2
16	1:00	42.2	56.9	41.5	40.8
17	2:00	42.2	55.1	41.6	40.5
18	3:00	41.0	53.2	40.5	39.6
19	4:00	40.8	48.6	40.0	39.3
20	5:00	44.2	55.6	43.5	41.8
21	6:00	44.5	59.8	43.6	42.0
22	7:00	49.2	74.5	45.5	43.1
23	8:00	45.1	58.2	44.4	42.7
24	9:00	46.3	59.8	44.9	43.5

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	56.5	74.4	50.2	47.7
Evening (7 p.m. - 9 p.m.)	48.3	67.0	47.1	45.5
Nighttime (9 p.m. - 7 a.m.)	43.7	56.7	42.0	40.9

Percentage of Energy	
Daytime	93%
Evening	4%
Nighttime	4%

Calculated CNEL, dBA
55.3

Project: FHS-08.0 Troy

User: LZ

Location: LT-2

No.	Start Date	Start Time	End Time	Duration	Leg	Lmax	Lmin	L1	L2	L5	L8	L10	L25	L50	L90
1	6/27/2025	10:00 AM	11:00 AM	1:00	66.2	89.6	37.3	80.0	75.7	70.5	67.7	66.2	57.5	45.6	37.9
2	6/27/2025	11:00 AM	12:00 PM	1:00	48.0	66.2	42.6	56.2	52.9	51.1	49.8	49.3	47.5	46.1	44.2
3	6/27/2025	12:00 PM	1:00 PM	1:00	49.1	68.2	42.1	60.7	56.2	51.6	49.9	49.3	47.0	45.6	43.9
4	6/27/2025	1:00 PM	2:00 PM	1:00	47.0	62.0	41.5	56.1	53.8	49.7	48.5	48.1	46.8	45.6	43.9
5	6/27/2025	2:00 PM	3:00 PM	1:00	47.7	63.9	42.9	56.5	53.7	50.4	49.2	48.7	47.2	46.2	44.7
6	6/27/2025	3:00 PM	4:00 PM	1:00	48.3	76.2	42.5	53.4	52.0	50.3	49.5	49.1	47.8	46.6	44.8
7	6/27/2025	4:00 PM	5:00 PM	1:00	47.4	59.8	43.3	53.2	52.0	50.1	49.3	48.9	47.6	46.6	45.0
8	6/27/2025	5:00 PM	6:00 PM	1:00	46.5	62.1	42.0	53.4	52.0	49.3	48.3	47.9	46.7	45.7	43.7
9	6/27/2025	6:00 PM	7:00 PM	1:00	47.9	67.1	42.1	56.7	54.9	51.9	50.3	49.6	47.4	46.2	44.4
10	6/27/2025	7:00 PM	8:00 PM	1:00	47.0	60.6	42.3	52.6	51.1	49.5	48.7	48.4	47.3	46.3	44.8
11	6/27/2025	8:00 PM	9:00 PM	1:00	47.5	62.7	42.6	54.4	52.8	50.2	49.2	48.8	47.5	46.6	45.1
12	6/27/2025	9:00 PM	10:00 PM	1:00	47.2	67.4	42.6	54.3	52.8	50.3	49.3	48.8	47.0	46.1	44.1
13	6/27/2025	10:00 PM	11:00 PM	1:00	45.3	67.4	41.8	51.0	48.9	46.7	46.0	45.7	44.5	43.7	42.5
14	6/27/2025	11:00 PM	12:00 AM	1:00	44.0	62.0	41.6	49.1	47.0	45.6	45.1	44.8	43.8	43.0	42.2
15	6/28/2025	12:00 AM	1:00 AM	1:00	44.4	60.9	41.0	53.5	49.8	46.3	45.2	44.7	43.4	42.6	41.7
16	6/28/2025	1:00 AM	2:00 AM	1:00	42.7	56.4	40.0	49.3	46.7	45.2	44.3	43.9	42.7	41.6	40.5
17	6/28/2025	2:00 AM	3:00 AM	1:00	41.2	54.5	39.1	47.4	45.7	43.6	42.5	42.1	40.8	40.1	39.5
18	6/28/2025	3:00 AM	4:00 AM	1:00	41.0	58.1	38.9	47.3	44.3	42.1	41.5	41.2	40.3	39.8	39.1
19	6/28/2025	4:00 AM	5:00 AM	1:00	40.7	54.1	39.2	45.4	43.7	42.3	41.7	41.5	40.6	40.1	39.5
20	6/28/2025	5:00 AM	6:00 AM	1:00	43.3	58.1	39.7	48.4	47.3	45.8	45.3	45.1	44.1	42.4	40.9
21	6/28/2025	6:00 AM	7:00 AM	1:00	45.4	61.7	40.5	52.5	50.4	48.4	47.4	47.0	45.4	44.2	42.2
22	6/28/2025	7:00 AM	8:00 AM	1:00	55.2	77.2	44.9	64.8	60.3	58.0	57.0	56.5	54.6	51.3	46.7
23	6/28/2025	8:00 AM	9:00 AM	1:00	60.4	83.7	48.5	71.3	68.5	64.6	62.4	61.5	58.2	55.9	53.0
24	6/28/2025	9:00 AM	10:00 AM	1:00	58.7	80.4	50.4	68.0	65.5	62.2	60.7	60.0	57.5	55.8	53.5
25	6/28/2025	10:00 AM	11:00 AM	1:00	60.8	83.4	50.0	71.7	68.1	63.7	61.8	61.0	58.3	56.4	54.0
26	6/28/2025	11:00 AM	12:00 PM	1:00	59.0	78.0	48.9	69.2	66.1	62.8	61.3	60.5	58.0	56.1	53.2
27	6/28/2025	12:00 PM	1:00 PM	1:00	60.2	78.4	49.9	69.6	66.9	64.3	63.4	62.9	60.4	57.4	53.7
28	6/28/2025	1:00 PM	2:00 PM	1:00	58.5	83.0	47.3	68.4	66.6	63.0	61.2	60.3	57.2	54.7	51.1

29	6/28/2025	2:00 PM	3:00 PM	1:00	58.9	79.4	45.3	69.3	66.9	63.2	61.5	60.7	57.4	53.9	49.8
30	6/28/2025	3:00 PM	4:00 PM	1:00	56.3	77.9	44.3	68.7	65.3	60.9	58.5	57.5	53.3	50.0	47.1
31	6/28/2025	4:00 PM	5:00 PM	1:00	51.5	73.0	42.5	59.9	57.8	54.6	53.2	52.4	49.3	47.0	44.7
32	6/28/2025	5:00 PM	6:00 PM	1:00	49.3	81.8	42.5	51.0	49.7	48.2	47.7	47.4	46.5	45.6	43.9
33	6/28/2025	6:00 PM	7:00 PM	1:00	47.6	65.5	43.9	52.2	50.7	49.2	48.7	48.5	47.7	46.9	45.6
34	6/28/2025	7:00 PM	8:00 PM	1:00	49.9	63.6	44.7	56.0	55.3	54.1	53.2	52.7	50.4	48.5	46.4
35	6/28/2025	8:00 PM	9:00 PM	1:00	47.3	74.2	42.1	51.7	50.1	48.4	47.9	47.7	46.9	45.9	44.2
36	6/28/2025	9:00 PM	10:00 PM	1:00	47.3	63.3	44.5	51.6	50.7	49.0	48.3	48.1	47.4	46.8	46.0
37	6/28/2025	10:00 PM	11:00 PM	1:00	46.1	64.9	40.4	59.4	53.0	47.2	45.8	45.3	43.8	42.6	41.5
38	6/28/2025	11:00 PM	12:00 AM	1:00	42.9	53.2	40.5	48.1	46.7	45.1	44.4	44.2	43.2	42.3	41.2
39	6/29/2025	12:00 AM	1:00 AM	1:00	45.6	63.1	40.0	57.8	54.1	47.3	45.6	45.1	43.5	42.6	41.2
40	6/29/2025	1:00 AM	2:00 AM	1:00	42.2	56.9	40.1	46.4	45.3	43.8	43.3	43.1	42.2	41.5	40.8
41	6/29/2025	2:00 AM	3:00 AM	1:00	42.2	55.1	39.8	47.2	45.5	43.9	43.4	43.2	42.3	41.6	40.5
42	6/29/2025	3:00 AM	4:00 AM	1:00	41.0	53.2	39.0	44.3	43.3	42.5	42.1	41.9	41.1	40.5	39.6
43	6/29/2025	4:00 AM	5:00 AM	1:00	40.8	48.6	39.0	43.6	43.3	42.8	42.5	42.4	41.5	40.0	39.3
44	6/29/2025	5:00 AM	6:00 AM	1:00	44.2	55.6	39.5	48.4	47.5	46.6	46.2	46.1	44.9	43.5	41.8
45	6/29/2025	6:00 AM	7:00 AM	1:00	44.5	59.8	41.1	50.1	49.2	47.8	46.8	46.4	44.8	43.6	42.0
46	6/29/2025	7:00 AM	8:00 AM	1:00	49.2	74.5	41.7	54.2	52.3	50.3	49.2	48.7	46.8	45.5	43.1
47	6/29/2025	8:00 AM	9:00 AM	1:00	45.1	58.2	41.7	50.3	49.0	47.5	47.0	46.7	45.7	44.4	42.7
48	6/29/2025	9:00 AM	10:00 AM	1:00	46.3	59.8	41.5	53.9	52.3	50.0	48.8	48.2	46.1	44.9	43.5
49	6/29/2025	10:00 AM	11:00 AM	1:00	47.2	63.4	42.4	55.6	52.7	50.0	49.0	48.6	46.8	45.6	44.2
50	6/29/2025	11:00 AM	12:00 PM	1:00	47.7	71.3	41.4	57.8	55.1	50.6	49.1	48.3	46.2	45.1	43.4
51	6/29/2025	12:00 PM	1:00 PM	1:00	46.9	66.0	42.5	55.6	52.4	49.7	48.3	47.8	46.4	45.3	43.9
52	6/29/2025	1:00 PM	2:00 PM	1:00	46.0	62.8	41.6	51.4	50.3	48.9	48.1	47.7	46.2	45.1	43.5
53	6/29/2025	2:00 PM	3:00 PM	1:00	46.5	63.2	41.7	54.2	51.7	49.3	48.2	47.8	46.3	45.3	43.7
54	6/29/2025	3:00 PM	4:00 PM	1:00	46.2	60.7	42.5	52.7	51.1	48.9	47.9	47.5	46.4	45.4	43.9
55	6/29/2025	4:00 PM	5:00 PM	1:00	47.2	63.9	42.3	56.4	53.4	50.0	48.4	47.8	46.4	45.6	44.1
56	6/29/2025	5:00 PM	6:00 PM	1:00	46.6	62.3	42.9	52.1	51.0	49.2	48.4	48.1	46.8	45.8	44.5
57	6/29/2025	6:00 PM	7:00 PM	1:00	51.9	74.4	41.8	62.7	60.0	55.9	54.1	53.2	49.7	47.3	45.1
58	6/29/2025	7:00 PM	8:00 PM	1:00	50.9	70.6	41.2	62.1	58.6	54.6	52.8	52.0	48.9	46.9	43.6
59	6/29/2025	8:00 PM	9:00 PM	1:00	47.2	65.5	44.2	52.5	51.2	49.6	48.7	48.3	47.0	46.3	45.4
60	6/29/2025	9:00 PM	10:00 PM	1:00	46.0	60.0	41.4	51.3	49.7	48.1	47.4	47.2	46.3	45.6	42.8
61	6/29/2025	10:00 PM	11:00 PM	1:00	44.8	71.1	41.2	48.3	46.8	45.2	44.5	44.2	43.3	42.6	42.0
62	6/29/2025	11:00 PM	12:00 AM	1:00	42.8	62.1	39.9	51.4	47.6	44.5	43.6	43.2	42.1	41.4	40.5

63	6/30/2025	12:00 AM	1:00 AM	1:00	42.2	56.0	39.7	50.6	46.4	43.8	43.0	42.7	41.7	41.1	40.4
64	6/30/2025	1:00 AM	2:00 AM	1:00	42.8	58.6	39.6	53.2	48.0	44.2	43.0	42.6	41.5	40.8	40.2
65	6/30/2025	2:00 AM	3:00 AM	1:00	40.8	47.4	39.3	43.7	43.0	42.2	41.8	41.6	40.8	40.4	39.7
66	6/30/2025	3:00 AM	4:00 AM	1:00	41.4	52.8	39.7	44.5	43.6	42.8	42.4	42.2	41.6	41.1	40.1
67	6/30/2025	4:00 AM	5:00 AM	1:00	44.8	55.5	40.3	51.4	48.9	47.0	46.5	46.3	45.4	44.6	41.4

LONG-TERM MEASUREMENT DATA SHEET

Date: Drop off 6/27/25 Pick up 6/30/25

Project Number/Name: FHS-06, Troy HS

LT-2

Monitoring Personnel: LZ

Meter Settings:

☐ Larson Davis Lxt ☒ Piccolo Meter Kit #: 8

☒ A-Weighted ☒ Slow ☐ Fast ☒ Windscreen

Calibration

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☒ 94 dB ☐ 114 dB

Calibration Offset Prior: 92.4

Offset After: 93.6

Time of meter mounted: 10:55

☒ Photos: _____

Site Location/Address: Backfence near shot put area; north of 2313
Nutwood Ave.

Primary Noise Source: students using track + field

Traffic counts in both directions (15 minute)

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Additional Notes:

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: FHS-08 Troy
Date: June 27-28, 2025
Site: LT-3 Day 1

	Hour	Leq	Lmax	L50	L90
1	10:00	66.2	91.0	44.9	39.9
2	11:00	53.9	77.6	46.6	43.8
3	12:00	56.3	84.4	46.3	43.6
4	13:00	46.3	63.1	44.8	43.1
5	14:00	48.4	65.3	46.1	44.4
6	15:00	51.2	70.5	48.9	45.5
7	16:00	51.9	71.1	48.8	45.6
8	17:00	49.4	67.1	47.0	44.0
9	18:00	52.0	67.9	50.1	46.2
10	19:00	47.5	61.2	45.5	44.0
11	20:00	49.9	73.2	45.7	44.4
12	21:00	46.8	65.3	45.1	43.6
13	22:00	44.0	61.5	43.1	42.1
14	23:00	43.2	58.6	42.6	41.8
15	0:00	44.7	64.4	42.2	41.3
16	1:00	42.5	56.6	41.5	40.7
17	2:00	42.1	56.3	41.2	39.7
18	3:00	40.5	54.7	40.0	39.3
19	4:00	41.9	50.1	41.5	40.0
20	5:00	43.7	61.7	42.8	41.2
21	6:00	46.5	66.0	44.7	43.0
22	7:00	57.6	75.0	54.2	46.5
23	8:00	66.2	86.2	61.6	55.9
24	9:00	65.4	81.4	60.9	56.0

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	60.6	75.1	50.0	46.2
Evening (7 p.m. - 9 p.m.)	48.3	66.6	45.4	44.0
Nighttime (9 p.m. - 7 a.m.)	43.6	58.9	42.2	41.0

Percentage of Energy	
Daytime	97%
Evening	1%
Nighttime	1%

Calculated CNEL, dBA
58.3

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: FHS-08 Troy
Date: June 28-29, 2025
Site: LT-3 Day 2

	Hour	Leq	Lmax	L50	L90
1	10:00	70.4	97.8	60.9	55.5
2	11:00	67.0	83.7	62.6	56.3
3	12:00	63.5	82.9	58.7	53.7
4	13:00	64.3	89.6	58.2	53.5
5	14:00	66.8	87.6	56.6	49.8
6	15:00	59.9	82.2	46.0	43.5
7	16:00	46.0	65.8	44.3	42.8
8	17:00	47.6	65.3	43.9	42.5
9	18:00	51.5	64.7	50.7	47.1
10	19:00	50.1	64.0	48.3	45.5
11	20:00	46.8	72.6	45.8	44.1
12	21:00	46.4	65.2	46.2	45.1
13	22:00	45.9	63.6	42.8	41.1
14	23:00	43.0	52.4	42.7	41.2
15	0:00	46.0	63.8	43.1	41.4
16	1:00	42.8	49.4	42.5	41.2
17	2:00	43.7	58.0	43.5	41.3
18	3:00	42.7	59.4	42.7	40.1
19	4:00	42.6	49.9	41.5	39.9
20	5:00	45.5	66.9	44.7	43.1
21	6:00	46.3	66.0	45.1	43.7
22	7:00	46.4	60.2	45.8	44.4
23	8:00	46.1	65.6	45.3	43.6
24	9:00	47.3	67.8	44.9	43.5

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	63.5	76.1	51.5	48.0
Evening (7 p.m. - 9 p.m.)	48.1	67.3	46.8	44.9
Nighttime (9 p.m. - 7 a.m.)	44.5	58.8	43.2	41.4

Percentage of Energy	
Daytime	98%
Evening	1%
Nighttime	1%

Calculated CNEL, dBA
61.0

Project: FHS-08.0 Troy

User: LZ

Location: LT-3

<u>No.</u>	<u>Start Date</u>	<u>Start Time</u>	<u>End Time</u>	<u>Duration</u>	<u>Leg</u>	<u>Lmax</u>	<u>Lmin</u>	<u>L1</u>	<u>L2</u>	<u>L5</u>	<u>L8</u>	<u>L10</u>	<u>L25</u>	<u>L50</u>	<u>L90</u>
1	6/27/2025	10:00 AM	11:00 AM	1:00	66.2	91.0	38.0	80.4	76.0	69.9	66.7	64.8	53.0	44.9	39.9
2	6/27/2025	11:00 AM	12:00 PM	1:00	53.9	77.6	42.1	65.3	62.7	58.7	56.5	55.4	50.0	46.6	43.8
3	6/27/2025	12:00 PM	1:00 PM	1:00	56.3	84.4	42.1	67.6	63.7	58.7	55.9	54.6	49.9	46.3	43.6
4	6/27/2025	1:00 PM	2:00 PM	1:00	46.3	63.1	42.0	54.8	52.5	49.6	48.3	47.6	45.8	44.8	43.1
5	6/27/2025	2:00 PM	3:00 PM	1:00	48.4	65.3	42.9	58.5	54.9	51.5	50.4	49.8	47.7	46.1	44.4
6	6/27/2025	3:00 PM	4:00 PM	1:00	51.2	70.5	43.4	59.6	57.9	55.5	54.3	53.8	51.4	48.9	45.5
7	6/27/2025	4:00 PM	5:00 PM	1:00	51.9	71.1	43.4	61.0	59.2	56.5	55.3	54.7	51.7	48.8	45.6
8	6/27/2025	5:00 PM	6:00 PM	1:00	49.4	67.1	42.0	56.9	55.4	53.9	53.0	52.5	50.0	47.0	44.0
9	6/27/2025	6:00 PM	7:00 PM	1:00	52.0	67.9	42.9	60.1	58.4	56.2	55.2	54.7	52.5	50.1	46.2
10	6/27/2025	7:00 PM	8:00 PM	1:00	47.5	61.2	42.0	55.5	54.3	52.3	51.0	50.3	47.0	45.5	44.0
11	6/27/2025	8:00 PM	9:00 PM	1:00	49.9	73.2	42.9	61.2	58.6	54.2	51.6	50.4	47.0	45.7	44.4
12	6/27/2025	9:00 PM	10:00 PM	1:00	46.8	65.3	42.2	55.4	52.8	49.4	48.0	47.5	45.8	45.1	43.6
13	6/27/2025	10:00 PM	11:00 PM	1:00	44.0	61.5	41.4	48.5	46.6	45.3	44.9	44.8	43.9	43.1	42.1
14	6/27/2025	11:00 PM	12:00 AM	1:00	43.2	58.6	41.2	46.7	45.5	44.3	44.0	43.8	43.2	42.6	41.8
15	6/28/2025	12:00 AM	1:00 AM	1:00	44.7	64.4	40.7	55.9	50.0	44.8	43.8	43.5	42.7	42.2	41.3
16	6/28/2025	1:00 AM	2:00 AM	1:00	42.5	56.6	39.8	48.8	46.2	44.2	43.5	43.2	42.3	41.5	40.7
17	6/28/2025	2:00 AM	3:00 AM	1:00	42.1	56.3	39.0	48.2	46.3	44.0	43.4	43.3	42.2	41.2	39.7
18	6/28/2025	3:00 AM	4:00 AM	1:00	40.5	54.7	38.8	44.5	43.1	42.1	41.6	41.3	40.5	40.0	39.3
19	6/28/2025	4:00 AM	5:00 AM	1:00	41.9	50.1	39.2	44.4	44.0	43.5	43.2	43.1	42.5	41.5	40.0
20	6/28/2025	5:00 AM	6:00 AM	1:00	43.7	61.7	40.2	50.6	48.5	45.6	45.0	44.8	43.9	42.8	41.2
21	6/28/2025	6:00 AM	7:00 AM	1:00	46.5	66.0	41.2	55.0	52.8	49.8	48.6	48.0	45.9	44.7	43.0
22	6/28/2025	7:00 AM	8:00 AM	1:00	57.6	75.0	44.4	68.3	66.6	63.3	61.3	60.4	57.2	54.2	46.5
23	6/28/2025	8:00 AM	9:00 AM	1:00	66.2	86.2	50.3	76.7	74.9	71.8	70.2	69.5	65.6	61.6	55.9
24	6/28/2025	9:00 AM	10:00 AM	1:00	65.4	81.4	50.4	75.9	74.2	71.3	69.6	68.8	64.8	60.9	56.0
25	6/28/2025	10:00 AM	11:00 AM	1:00	70.4	97.8	50.8	81.9	78.3	73.9	71.3	70.1	65.4	60.9	55.5
26	6/28/2025	11:00 AM	12:00 PM	1:00	67.0	83.7	49.6	76.7	75.4	72.9	71.4	70.6	66.8	62.6	56.3
27	6/28/2025	12:00 PM	1:00 PM	1:00	63.5	82.9	49.2	74.3	72.2	69.0	67.1	66.2	62.4	58.7	53.7
28	6/28/2025	1:00 PM	2:00 PM	1:00	64.3	89.6	48.6	75.6	73.2	69.4	67.2	66.1	61.7	58.2	53.5

29	6/28/2025	2:00 PM	3:00 PM	1:00	66.8	87.6	46.0	80.0	76.7	72.0	69.7	68.5	62.0	56.6	49.8
30	6/28/2025	3:00 PM	4:00 PM	1:00	59.9	82.2	42.1	72.9	70.5	65.7	62.6	60.8	49.9	46.0	43.5
31	6/28/2025	4:00 PM	5:00 PM	1:00	46.0	65.8	41.7	53.5	51.7	49.2	47.8	47.2	45.4	44.3	42.8
32	6/28/2025	5:00 PM	6:00 PM	1:00	47.6	65.3	41.2	55.8	54.9	53.1	52.0	51.3	46.8	43.9	42.5
33	6/28/2025	6:00 PM	7:00 PM	1:00	51.5	64.7	43.3	57.3	56.3	55.2	54.4	54.1	52.4	50.7	47.1
34	6/28/2025	7:00 PM	8:00 PM	1:00	50.1	64.0	43.7	56.1	55.5	54.6	53.9	53.5	51.0	48.3	45.5
35	6/28/2025	8:00 PM	9:00 PM	1:00	46.8	72.6	42.4	49.5	48.5	47.9	47.6	47.5	46.8	45.8	44.1
36	6/28/2025	9:00 PM	10:00 PM	1:00	46.4	65.2	43.5	49.0	48.2	47.6	47.3	47.2	46.7	46.2	45.1
37	6/28/2025	10:00 PM	11:00 PM	1:00	45.9	63.6	40.3	59.3	54.1	46.5	45.2	44.7	43.5	42.8	41.1
38	6/28/2025	11:00 PM	12:00 AM	1:00	43.0	52.4	40.5	46.5	45.7	44.5	44.0	43.9	43.3	42.7	41.2
39	6/29/2025	12:00 AM	1:00 AM	1:00	46.0	63.8	40.5	57.1	55.2	47.1	45.4	45.1	44.0	43.1	41.4
40	6/29/2025	1:00 AM	2:00 AM	1:00	42.8	49.4	40.3	45.0	44.7	44.2	44.0	43.9	43.2	42.5	41.2
41	6/29/2025	2:00 AM	3:00 AM	1:00	43.7	58.0	40.2	47.2	46.3	45.6	45.3	45.2	44.4	43.5	41.3
42	6/29/2025	3:00 AM	4:00 AM	1:00	42.7	59.4	39.3	46.0	45.1	44.3	44.0	43.8	43.2	42.7	40.1
43	6/29/2025	4:00 AM	5:00 AM	1:00	42.6	49.9	39.2	46.5	46.1	45.2	44.8	44.7	43.7	41.5	39.9
44	6/29/2025	5:00 AM	6:00 AM	1:00	45.5	66.9	40.2	49.8	48.1	46.7	46.4	46.2	45.4	44.7	43.1
45	6/29/2025	6:00 AM	7:00 AM	1:00	46.3	66.0	42.2	53.3	51.0	48.6	47.6	47.2	46.0	45.1	43.7
46	6/29/2025	7:00 AM	8:00 AM	1:00	46.4	60.2	43.1	52.2	50.3	48.5	47.9	47.7	46.7	45.8	44.4
47	6/29/2025	8:00 AM	9:00 AM	1:00	46.1	65.6	42.2	51.2	50.0	48.6	48.1	47.8	46.5	45.3	43.6
48	6/29/2025	9:00 AM	10:00 AM	1:00	47.3	67.8	41.8	56.4	54.7	51.6	49.9	49.1	46.1	44.9	43.5
49	6/29/2025	10:00 AM	11:00 AM	1:00	46.3	61.5	42.3	54.3	52.1	49.5	48.2	47.7	45.7	44.7	43.5
50	6/29/2025	11:00 AM	12:00 PM	1:00	45.5	63.5	41.1	54.0	52.0	48.6	47.4	46.8	44.9	43.8	42.4
51	6/29/2025	12:00 PM	1:00 PM	1:00	45.6	62.4	41.3	54.5	52.1	48.8	47.5	46.9	44.9	43.8	42.4
52	6/29/2025	1:00 PM	2:00 PM	1:00	46.5	70.4	41.7	56.2	53.4	49.7	48.2	47.6	45.2	44.2	42.7
53	6/29/2025	2:00 PM	3:00 PM	1:00	47.3	60.5	41.6	54.4	53.3	51.7	50.6	50.0	47.6	45.7	43.1
54	6/29/2025	3:00 PM	4:00 PM	1:00	45.0	62.9	41.3	52.7	50.5	47.6	46.4	46.0	44.7	43.7	42.6
55	6/29/2025	4:00 PM	5:00 PM	1:00	45.6	64.1	41.8	52.7	50.5	48.5	47.4	47.0	45.3	44.2	42.9
56	6/29/2025	5:00 PM	6:00 PM	1:00	47.3	67.1	42.4	54.5	52.4	50.2	49.4	49.0	47.3	45.9	43.8
57	6/29/2025	6:00 PM	7:00 PM	1:00	46.1	59.0	41.8	52.3	50.4	48.6	47.9	47.6	46.4	45.4	43.6
58	6/29/2025	7:00 PM	8:00 PM	1:00	46.9	65.8	41.9	52.0	50.6	49.1	48.6	48.3	47.2	46.0	44.2
59	6/29/2025	8:00 PM	9:00 PM	1:00	51.5	69.4	42.8	65.3	62.2	54.3	51.2	50.4	47.8	46.4	44.7
60	6/29/2025	9:00 PM	10:00 PM	1:00	45.5	56.8	41.2	50.8	49.3	47.5	46.9	46.7	45.9	45.1	43.3
61	6/29/2025	10:00 PM	11:00 PM	1:00	48.4	79.6	40.7	47.4	46.0	44.2	43.7	43.5	42.7	42.2	41.3
62	6/29/2025	11:00 PM	12:00 AM	1:00	43.4	58.0	40.3	51.7	47.0	44.3	43.8	43.7	43.1	42.5	40.9

63	6/30/2025	12:00 AM	1:00 AM	1:00	43.2	56.7	40.3	50.8	45.6	44.1	43.8	43.6	43.0	42.5	41.1
64	6/30/2025	1:00 AM	2:00 AM	1:00	43.2	56.2	39.9	51.3	48.9	44.3	43.8	43.5	42.8	42.2	40.7
65	6/30/2025	2:00 AM	3:00 AM	1:00	42.0	49.3	39.8	44.4	44.0	43.6	43.3	43.2	42.5	41.7	40.4
66	6/30/2025	3:00 AM	4:00 AM	1:00	42.5	49.6	40.0	44.9	44.6	44.1	43.8	43.7	43.1	42.5	40.4
67	6/30/2025	4:00 AM	5:00 AM	1:00	46.1	52.9	40.6	50.3	49.8	49.2	48.9	48.7	47.5	45.2	42.0
68	6/30/2025	5:00 AM	6:00 AM	1:00	48.0	66.4	43.7	57.0	53.4	49.6	48.8	48.4	47.3	46.5	44.9
69	6/30/2025	6:00 AM	7:00 AM	1:00	48.7	61.4	45.0	54.3	52.7	50.7	50.0	49.7	48.7	48.1	46.8
70	6/30/2025	7:00 AM	8:00 AM	1:00	54.2	81.7	43.7	61.1	55.0	49.8	48.9	48.7	47.5	46.3	45.0

LONG-TERM MEASUREMENT DATA SHEET

Date: Drop off 6/27/25 Pick up 6/30/25

Project Number/Name: FHS-06, Troy HS

Monitoring Personnel: L2

LT-3

Meter Settings:

☐ Larson Davis Lxt ☒ Piccolo Meter Kit #: 5

☒ A-Weighted ☒ Slow ☐ Fast ☒ Windscreen

Calibration

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☒ 94 dB ☐ 114 dB

Calibration Offset Prior: 93.9

Offset After: 94.1

Time of meter mounted: 10:41

☒ Photos: _____

Site Location/Address: near the midline of south-most soccer field,
directly north of backyard of residence: 2225
Northwood Ave

Primary Noise Source: soccer games from and small groups of
spectators

Traffic counts in both directions (15 minute)

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Additional Notes:

- 4 ft CMV wall that extends to Ladera Vista cul-de-sac

Long-Term 24 Hour Continuous Noise Monitoring **Calculation Input Sheet**

Project: FHS-08 Troy
Date: June 27-28, 2025
Site: LT-4 Day 1

	Hour	Leq	Lmax	L50	L90
1	10:00	71.4	99.1	46.0	40.2
2	11:00	51.5	73.5	46.3	43.4
3	12:00	54.3	71.9	48.4	44.3
4	13:00	47.4	60.5	45.1	43.6
5	14:00	57.9	87.3	47.0	44.8
6	15:00	54.7	73.6	51.5	46.9
7	16:00	53.6	73.1	51.0	46.1
8	17:00	51.2	66.0	48.7	44.6
9	18:00	52.0	63.5	50.8	47.1
10	19:00	47.8	58.0	46.1	44.4
11	20:00	49.6	73.2	46.2	44.6
12	21:00	47.1	62.6	45.4	44.1
13	22:00	46.3	69.2	44.4	43.3
14	23:00	44.4	55.1	43.5	42.7
15	0:00	45.0	62.6	42.4	41.8
16	1:00	42.2	55.0	41.2	40.5
17	2:00	41.7	59.6	40.1	39.5
18	3:00	40.2	55.3	39.6	39.2
19	4:00	41.3	53.2	39.6	39.1
20	5:00	45.5	63.7	43.0	41.0
21	6:00	46.6	64.7	43.8	42.2
22	7:00	53.5	69.5	50.2	44.5
23	8:00	58.8	77.2	54.7	50.7
24	9:00	57.5	75.0	53.4	50.2

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	61.6	74.2	49.4	45.5
Evening (7 p.m. - 9 p.m.)	48.3	64.6	45.9	44.4
Nighttime (9 p.m. - 7 a.m.)	44.2	59.8	42.0	41.0

Percentage of Energy	
Daytime	98%
Evening	1%
Nighttime	1%

Calculated CNEL, dBA
59.3

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: FHS-08 Troy
Date: June 28-29, 2025
Site: LT-4 Day 2

	Hour	Leq	Lmax	L50	L90
1	10:00	58.6	81.1	54.4	50.9
2	11:00	60.0	83.5	54.4	51.6
3	12:00	56.6	77.2	54.0	50.2
4	13:00	55.6	75.8	52.0	48.2
5	14:00	54.4	79.1	49.1	45.5
6	15:00	55.4	78.0	46.0	43.2
7	16:00	46.7	65.6	44.6	43.0
8	17:00	47.3	60.7	44.3	42.7
9	18:00	50.8	72.5	49.2	45.7
10	19:00	49.4	72.6	46.3	43.3
11	20:00	46.4	71.4	44.4	43.0
12	21:00	46.5	66.5	44.9	44.1
13	22:00	46.5	63.5	43.1	42.1
14	23:00	43.7	56.5	42.9	42.1
15	0:00	46.4	64.2	43.3	42.1
16	1:00	42.8	56.9	42.2	41.6
17	2:00	42.7	53.9	42.3	41.2
18	3:00	42.0	50.5	41.2	40.4
19	4:00	42.6	51.5	41.5	40.5
20	5:00	46.5	59.7	44.3	42.5
21	6:00	45.3	63.4	44.2	43.1
22	7:00	48.8	70.8	45.3	43.7
23	8:00	46.9	66.0	45.1	43.4
24	9:00	51.1	77.8	44.3	42.7

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	54.8	74.0	48.6	45.9
Evening (7 p.m. - 9 p.m.)	47.7	70.2	45.2	43.5
Nighttime (9 p.m. - 7 a.m.)	44.6	57.8	42.8	41.7

Percentage of Energy	
Daytime	89%
Evening	4%
Nighttime	6%

Calculated CNEL, dBA
54.5

Project: FHS-08.0 Troy

User: LZ

Location: LT-4

No.	Start Date	Start Time	End Time	Duration	Leg	Lmax	Lmin	L1	L2	L5	L8	L10	L25	L50	L90
1	6/27/2025	10:00 AM	11:00 AM	1:00	71.4	99.1	38.2	84.4	80.7	73.5	68.6	66.6	53.2	46.0	40.2
2	6/27/2025	11:00 AM	12:00 PM	1:00	51.5	73.5	42.0	62.9	60.4	56.9	54.6	53.4	49.1	46.3	43.4
3	6/27/2025	12:00 PM	1:00 PM	1:00	54.3	71.9	42.3	66.7	64.4	60.0	57.6	56.5	51.8	48.4	44.3
4	6/27/2025	1:00 PM	2:00 PM	1:00	47.4	60.5	42.3	55.6	54.1	52.0	50.6	50.0	47.3	45.1	43.6
5	6/27/2025	2:00 PM	3:00 PM	1:00	57.9	87.3	43.1	68.8	61.1	56.2	54.8	53.6	49.5	47.0	44.8
6	6/27/2025	3:00 PM	4:00 PM	1:00	54.7	73.6	43.8	68.1	61.0	56.7	55.8	55.6	53.5	51.5	46.9
7	6/27/2025	4:00 PM	5:00 PM	1:00	53.6	73.1	43.2	62.2	60.2	57.5	56.4	56.0	54.4	51.0	46.1
8	6/27/2025	5:00 PM	6:00 PM	1:00	51.2	66.0	42.3	58.4	57.5	56.2	55.5	55.0	52.2	48.7	44.6
9	6/27/2025	6:00 PM	7:00 PM	1:00	52.0	63.5	43.0	57.6	56.9	55.9	55.3	55.0	53.2	50.8	47.1
10	6/27/2025	7:00 PM	8:00 PM	1:00	47.8	58.0	42.9	54.5	53.9	52.4	51.3	50.8	48.1	46.1	44.4
11	6/27/2025	8:00 PM	9:00 PM	1:00	49.6	73.2	43.5	59.4	57.1	54.0	52.3	51.4	48.3	46.2	44.6
12	6/27/2025	9:00 PM	10:00 PM	1:00	47.1	62.6	43.0	55.1	53.0	50.6	49.6	49.1	46.9	45.4	44.1
13	6/27/2025	10:00 PM	11:00 PM	1:00	46.3	69.2	42.6	51.8	50.5	48.8	47.9	47.4	45.4	44.4	43.3
14	6/27/2025	11:00 PM	12:00 AM	1:00	44.4	55.1	42.0	50.6	49.4	47.5	46.3	45.7	44.2	43.5	42.7
15	6/28/2025	12:00 AM	1:00 AM	1:00	45.0	62.6	41.1	54.5	51.2	47.8	45.9	45.2	43.1	42.4	41.8
16	6/28/2025	1:00 AM	2:00 AM	1:00	42.2	55.0	40.0	48.7	46.7	44.2	43.4	43.2	41.9	41.2	40.5
17	6/28/2025	2:00 AM	3:00 AM	1:00	41.7	59.6	39.2	50.4	48.0	43.8	42.1	41.6	40.6	40.1	39.5
18	6/28/2025	3:00 AM	4:00 AM	1:00	40.2	55.3	39.0	45.2	43.2	41.0	40.5	40.4	39.9	39.6	39.2
19	6/28/2025	4:00 AM	5:00 AM	1:00	41.3	53.2	38.8	47.8	47.0	45.4	44.4	43.9	40.5	39.6	39.1
20	6/28/2025	5:00 AM	6:00 AM	1:00	45.5	63.7	40.0	54.8	50.8	48.4	47.8	47.5	45.8	43.0	41.0
21	6/28/2025	6:00 AM	7:00 AM	1:00	46.6	64.7	40.6	56.3	54.4	51.0	48.9	48.1	45.3	43.8	42.2
22	6/28/2025	7:00 AM	8:00 AM	1:00	53.5	69.5	42.9	63.7	62.1	59.3	57.6	56.7	52.9	50.2	44.5
23	6/28/2025	8:00 AM	9:00 AM	1:00	58.8	77.2	46.2	69.0	67.2	64.3	62.6	61.7	57.8	54.7	50.7
24	6/28/2025	9:00 AM	10:00 AM	1:00	57.5	75.0	46.4	67.9	66.1	63.1	61.4	60.4	56.3	53.4	50.2
25	6/28/2025	10:00 AM	11:00 AM	1:00	58.6	81.1	46.1	68.6	66.7	63.8	61.8	60.9	57.5	54.4	50.9
26	6/28/2025	11:00 AM	12:00 PM	1:00	60.0	83.5	47.8	71.7	68.4	62.9	60.6	59.6	56.5	54.4	51.6
27	6/28/2025	12:00 PM	1:00 PM	1:00	56.6	77.2	45.3	65.8	63.6	60.8	59.5	58.8	56.1	54.0	50.2
28	6/28/2025	1:00 PM	2:00 PM	1:00	55.6	75.8	44.3	66.2	63.5	59.7	58.0	57.3	54.5	52.0	48.2

29	6/28/2025	2:00 PM	3:00 PM	1:00	54.4	79.1	42.5	65.1	63.0	59.0	56.6	55.5	51.9	49.1	45.5
30	6/28/2025	3:00 PM	4:00 PM	1:00	55.4	78.0	42.0	68.7	65.5	60.0	56.5	54.7	49.1	46.0	43.2
31	6/28/2025	4:00 PM	5:00 PM	1:00	46.7	65.6	41.9	53.8	52.2	50.4	49.5	48.9	46.5	44.6	43.0
32	6/28/2025	5:00 PM	6:00 PM	1:00	47.3	60.7	41.9	55.1	54.2	52.6	51.4	50.7	47.6	44.3	42.7
33	6/28/2025	6:00 PM	7:00 PM	1:00	50.8	72.5	42.8	56.5	55.5	54.2	53.5	53.1	51.0	49.2	45.7
34	6/28/2025	7:00 PM	8:00 PM	1:00	49.4	72.6	42.0	56.9	55.3	53.5	52.3	51.7	49.4	46.3	43.3
35	6/28/2025	8:00 PM	9:00 PM	1:00	46.4	71.4	41.9	52.4	51.3	49.7	48.7	48.1	46.0	44.4	43.0
36	6/28/2025	9:00 PM	10:00 PM	1:00	46.5	66.5	43.4	53.4	51.4	49.1	48.0	47.6	45.7	44.9	44.1
37	6/28/2025	10:00 PM	11:00 PM	1:00	46.5	63.5	41.2	58.8	52.8	49.8	47.8	46.8	44.5	43.1	42.1
38	6/28/2025	11:00 PM	12:00 AM	1:00	43.7	56.5	41.3	49.3	47.8	46.0	45.2	44.8	43.5	42.9	42.1
39	6/29/2025	12:00 AM	1:00 AM	1:00	46.4	64.2	41.3	56.8	54.6	49.7	47.6	47.0	44.6	43.3	42.1
40	6/29/2025	1:00 AM	2:00 AM	1:00	42.8	56.9	41.0	47.5	45.5	44.1	43.5	43.4	42.7	42.2	41.6
41	6/29/2025	2:00 AM	3:00 AM	1:00	42.7	53.9	40.3	46.2	45.2	44.4	43.9	43.7	42.9	42.3	41.2
42	6/29/2025	3:00 AM	4:00 AM	1:00	42.0	50.5	40.0	47.1	46.1	44.5	43.4	43.0	41.9	41.2	40.4
43	6/29/2025	4:00 AM	5:00 AM	1:00	42.6	51.5	39.8	47.0	46.3	45.2	44.5	44.3	43.3	41.5	40.5
44	6/29/2025	5:00 AM	6:00 AM	1:00	46.5	59.7	41.5	53.7	52.4	50.3	49.7	49.4	47.6	44.3	42.5
45	6/29/2025	6:00 AM	7:00 AM	1:00	45.3	63.4	41.9	51.7	50.3	48.2	47.2	46.7	45.2	44.2	43.1
46	6/29/2025	7:00 AM	8:00 AM	1:00	48.8	70.8	42.2	60.0	56.2	51.8	50.0	49.3	46.8	45.3	43.7
47	6/29/2025	8:00 AM	9:00 AM	1:00	46.9	66.0	42.1	54.7	52.8	50.8	49.6	49.0	46.9	45.1	43.4
48	6/29/2025	9:00 AM	10:00 AM	1:00	51.1	77.8	41.7	63.1	60.2	54.0	50.8	49.9	46.4	44.3	42.7
49	6/29/2025	10:00 AM	11:00 AM	1:00	46.1	62.1	41.4	55.2	53.1	50.3	49.1	48.4	45.7	43.7	42.3
50	6/29/2025	11:00 AM	12:00 PM	1:00	45.7	60.4	40.6	55.1	53.9	50.8	48.9	48.2	45.2	43.0	41.7
51	6/29/2025	12:00 PM	1:00 PM	1:00	47.9	72.9	41.3	56.9	54.9	50.9	49.2	48.4	45.6	43.5	42.2
52	6/29/2025	1:00 PM	2:00 PM	1:00	50.9	79.1	41.3	61.6	59.1	54.7	51.7	50.5	46.8	44.2	42.2
53	6/29/2025	2:00 PM	3:00 PM	1:00	47.6	62.1	41.4	55.9	54.2	51.7	50.5	50.0	47.6	45.7	43.0
54	6/29/2025	3:00 PM	4:00 PM	1:00	45.0	58.9	41.8	51.8	50.7	48.8	47.8	47.2	45.0	43.6	42.6
55	6/29/2025	4:00 PM	5:00 PM	1:00	46.5	64.2	41.6	54.2	52.7	50.3	49.2	48.6	46.1	44.1	42.7
56	6/29/2025	5:00 PM	6:00 PM	1:00	48.7	64.0	41.6	59.8	57.9	53.8	51.4	50.6	47.2	44.7	42.6
57	6/29/2025	6:00 PM	7:00 PM	1:00	47.3	63.2	41.3	57.2	55.8	52.9	50.8	49.9	46.3	44.0	42.4
58	6/29/2025	7:00 PM	8:00 PM	1:00	45.8	62.0	41.2	53.0	51.8	49.8	48.7	48.1	45.8	44.1	42.6
59	6/29/2025	8:00 PM	9:00 PM	1:00	48.6	68.1	42.2	58.4	56.4	53.2	51.5	50.8	47.9	45.6	43.5
60	6/29/2025	9:00 PM	10:00 PM	1:00	46.5	62.0	42.2	55.0	52.7	50.1	48.9	48.4	46.1	44.7	43.4
61	6/29/2025	10:00 PM	11:00 PM	1:00	49.9	80.8	41.7	51.8	49.4	46.7	45.7	45.3	44.1	43.4	42.6
62	6/29/2025	11:00 PM	12:00 AM	1:00	43.6	64.8	40.9	50.1	47.8	45.6	44.6	44.1	43.0	42.3	41.6

63	6/30/2025	12:00 AM	1:00 AM	1:00	42.9	53.7	40.6	49.6	47.8	45.7	44.4	43.7	42.6	41.9	41.1
64	6/30/2025	1:00 AM	2:00 AM	1:00	43.2	56.8	40.0	52.9	49.1	44.8	43.8	43.5	42.3	41.6	40.7
65	6/30/2025	2:00 AM	3:00 AM	1:00	41.3	57.3	39.7	44.9	42.9	42.0	41.7	41.6	41.2	40.8	40.3
66	6/30/2025	3:00 AM	4:00 AM	1:00	41.8	54.9	40.2	46.4	45.0	43.1	42.5	42.4	41.7	41.2	40.6

LONG-TERM MEASUREMENT DATA SHEET

Date: Drop off 6/27/25 Pick up 6/30/25

Project Number/Name: FHS-06, Troy HS

Monitoring Personnel: L2

LT-4

Meter Settings:

☐ Larson Davis Lxt ☒ Piccolo Meter Kit #: 7

☒ A-Weighted ☒ Slow ☐ Fast ☒ Windscreen

Calibration

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☒ 94 dB ☐ 114 dB

Calibration Offset Prior: 94.6

Offset After: 94.2

Time of meter mounted: 10:32

☒ Photos: _____

Site Location/Address: On the fence to east of Ladera Vista Dr. cul-de-sac;
near backyard of 800 Ladera Vista Dr.
(north)

Primary Noise Source: Soccer game - kids yelling, spectators talking

Traffic counts in both directions (15 minute)

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Additional Notes:

→ Meter is visible, could attract attention during event day.
→ Site is proximate (5ft) from pedestrian gate. Gate is grounded (does not open) - people slip in btwn the ~~stats~~ bars to enter field.

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: FHS-08 Troy
Date: June 27-28, 2025
Site: LT-5 Day 1

	Hour	Leq	Lmax	L50	L90
1	10:00	65.3	90.0	46.8	40.2
2	11:00	51.6	68.0	48.8	44.3
3	12:00	54.1	73.8	49.5	45.5
4	13:00	51.7	66.5	49.1	44.9
5	14:00	54.3	80.2	48.0	44.4
6	15:00	52.0	69.4	49.4	45.5
7	16:00	52.2	66.4	48.9	45.7
8	17:00	51.8	67.7	50.3	47.4
9	18:00	51.7	64.1	50.7	47.8
10	19:00	49.3	72.2	46.8	43.8
11	20:00	48.5	63.7	45.9	44.1
12	21:00	48.8	64.5	45.3	44.1
13	22:00	45.8	60.4	44.8	43.6
14	23:00	45.5	63.0	44.1	43.3
15	0:00	44.9	61.5	43.2	42.4
16	1:00	43.3	63.3	41.5	40.0
17	2:00	40.0	57.2	38.9	37.8
18	3:00	38.9	58.4	38.2	37.0
19	4:00	38.0	53.1	37.6	36.8
20	5:00	49.7	64.1	46.8	40.5
21	6:00	51.5	73.8	48.5	43.5
22	7:00	51.0	67.2	49.2	46.7
23	8:00	56.9	89.4	47.4	44.6
24	9:00	52.2	82.2	45.0	42.0

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	56.7	73.7	48.6	44.9
Evening (7 p.m. - 9 p.m.)	48.9	66.8	46.0	44.0
Nighttime (9 p.m. - 7 a.m.)	46.3	61.6	42.6	40.5

Percentage of Energy	
Daytime	90%
Evening	4%
Nighttime	6%

Calculated CNEL, dBA
56.3

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: FHS-08 Troy
Date: June 28-29, 2025
Site: LT-5 Day 2

	Hour	Leq	Lmax	L50	L90
1	10:00	50.6	71.5	45.6	42.5
2	11:00	48.6	73.0	46.0	42.7
3	12:00	51.4	81.4	45.8	42.7
4	13:00	56.0	74.6	48.4	43.5
5	14:00	51.7	71.1	47.6	42.8
6	15:00	48.7	61.4	46.7	41.9
7	16:00	50.6	67.2	48.1	43.6
8	17:00	50.4	69.1	45.9	41.7
9	18:00	50.3	60.4	49.6	45.4
10	19:00	50.4	68.2	44.1	40.4
11	20:00	45.2	75.5	41.7	40.4
12	21:00	43.0	60.0	41.9	40.6
13	22:00	44.8	63.4	41.6	40.3
14	23:00	42.8	56.0	42.2	40.5
15	0:00	48.0	67.7	42.3	41.1
16	1:00	42.1	53.7	41.7	40.8
17	2:00	42.2	55.4	41.6	40.4
18	3:00	41.0	53.3	40.2	39.1
19	4:00	39.4	44.8	39.1	38.1
20	5:00	49.9	61.5	47.5	39.9
21	6:00	49.6	62.2	48.0	43.3
22	7:00	49.4	59.7	48.0	43.8
23	8:00	61.0	85.6	48.5	44.2
24	9:00	49.3	60.8	48.0	43.7

	Averages			
	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	53.5	69.7	47.4	43.2
Evening (7 p.m. - 9 p.m.)	47.3	67.9	42.6	40.5
Nighttime (9 p.m. - 7 a.m.)	46.0	57.6	42.7	40.4

Percentage of Energy	
Daytime	84%
Evening	5%
Nighttime	11%

Calculated CNEL, dBA
54.5

Project: FHS-08.0 Troy

User: LZ

Location: LT-5

No.	Start Date	Start Time	End Time	Duration	Leg	Lmax	Lmin	L1	L2	L5	L8	L10	L25	L50	L90
1	6/27/2025	10:00 AM	11:00 AM	1:00	65.3	90.0	33.2	79.1	74.9	67.1	62.4	59.7	50.1	46.8	40.2
2	6/27/2025	11:00 AM	12:00 PM	1:00	51.6	68.0	41.2	61.8	59.5	56.2	54.6	53.9	51.1	48.8	44.3
3	6/27/2025	12:00 PM	1:00 PM	1:00	54.1	73.8	41.7	64.7	61.9	58.9	56.9	55.9	52.3	49.5	45.5
4	6/27/2025	1:00 PM	2:00 PM	1:00	51.7	66.5	41.7	60.4	58.8	56.8	55.5	54.9	51.9	49.1	44.9
5	6/27/2025	2:00 PM	3:00 PM	1:00	54.3	80.2	42.0	61.2	59.0	56.9	55.5	54.7	51.1	48.0	44.4
6	6/27/2025	3:00 PM	4:00 PM	1:00	52.0	69.4	41.8	61.1	59.6	57.2	55.6	54.9	51.8	49.4	45.5
7	6/27/2025	4:00 PM	5:00 PM	1:00	52.2	66.4	43.2	60.7	59.6	58.1	57.4	56.1	51.9	48.9	45.7
8	6/27/2025	5:00 PM	6:00 PM	1:00	51.8	67.7	43.7	59.4	57.8	55.6	54.6	54.1	52.2	50.3	47.4
9	6/27/2025	6:00 PM	7:00 PM	1:00	51.7	64.1	43.8	58.4	57.0	55.2	54.4	53.9	52.2	50.7	47.8
10	6/27/2025	7:00 PM	8:00 PM	1:00	49.3	72.2	41.8	58.0	55.7	52.9	51.8	51.3	49.1	46.8	43.8
11	6/27/2025	8:00 PM	9:00 PM	1:00	48.5	63.7	42.8	58.5	55.5	52.8	51.6	51.0	48.2	45.9	44.1
12	6/27/2025	9:00 PM	10:00 PM	1:00	48.8	64.5	42.8	58.2	56.9	54.6	53.4	52.2	47.0	45.3	44.1
13	6/27/2025	10:00 PM	11:00 PM	1:00	45.8	60.4	42.4	51.9	50.4	48.2	47.4	47.0	45.8	44.8	43.6
14	6/27/2025	11:00 PM	12:00 AM	1:00	45.5	63.0	41.7	54.9	52.0	47.6	46.6	46.1	44.7	44.1	43.3
15	6/28/2025	12:00 AM	1:00 AM	1:00	44.9	61.5	41.3	54.6	50.4	46.3	45.1	44.8	43.9	43.2	42.4
16	6/28/2025	1:00 AM	2:00 AM	1:00	43.3	63.3	38.9	51.8	48.8	45.2	44.5	44.2	42.9	41.5	40.0
17	6/28/2025	2:00 AM	3:00 AM	1:00	40.0	57.2	36.9	46.3	44.1	42.3	41.5	41.1	39.8	38.9	37.8
18	6/28/2025	3:00 AM	4:00 AM	1:00	38.9	58.4	36.0	44.5	42.4	40.6	39.9	39.7	38.8	38.2	37.0
19	6/28/2025	4:00 AM	5:00 AM	1:00	38.0	53.1	36.0	41.7	41.0	39.7	38.9	38.7	38.1	37.6	36.8
20	6/28/2025	5:00 AM	6:00 AM	1:00	49.7	64.1	38.6	58.1	56.5	54.8	53.8	53.3	50.6	46.8	40.5
21	6/28/2025	6:00 AM	7:00 AM	1:00	51.5	73.8	39.8	61.9	59.0	55.3	54.1	53.5	51.0	48.5	43.5
22	6/28/2025	7:00 AM	8:00 AM	1:00	51.0	67.2	44.5	59.1	57.4	54.9	53.9	53.4	51.3	49.2	46.7
23	6/28/2025	8:00 AM	9:00 AM	1:00	56.9	89.4	41.5	60.7	57.8	54.5	53.3	52.7	49.6	47.4	44.6
24	6/28/2025	9:00 AM	10:00 AM	1:00	52.2	82.2	39.6	61.4	58.1	54.2	52.7	51.9	47.4	45.0	42.0
25	6/28/2025	10:00 AM	11:00 AM	1:00	50.6	71.5	39.7	61.8	58.8	56.8	53.1	51.9	47.9	45.6	42.5
26	6/28/2025	11:00 AM	12:00 PM	1:00	48.6	73.0	39.8	56.7	54.5	52.3	51.2	50.7	48.0	46.0	42.7
27	6/28/2025	12:00 PM	1:00 PM	1:00	51.4	81.4	39.5	62.9	59.2	55.3	53.1	52.0	48.1	45.8	42.7
28	6/28/2025	1:00 PM	2:00 PM	1:00	56.0	74.6	39.8	66.3	64.6	63.1	62.4	62.3	53.7	48.4	43.5

29	6/28/2025	2:00 PM	3:00 PM	1:00	51.7	71.1	39.7	61.5	60.8	57.6	56.0	54.9	50.8	47.6	42.8
30	6/28/2025	3:00 PM	4:00 PM	1:00	48.7	61.4	38.9	56.9	55.4	53.5	52.4	51.9	49.3	46.7	41.9
31	6/28/2025	4:00 PM	5:00 PM	1:00	50.6	67.2	39.3	59.8	58.1	55.1	53.7	53.2	50.7	48.1	43.6
32	6/28/2025	5:00 PM	6:00 PM	1:00	50.4	69.1	39.4	60.4	57.9	54.7	53.2	52.5	49.8	45.9	41.7
33	6/28/2025	6:00 PM	7:00 PM	1:00	50.3	60.4	39.7	56.2	55.4	53.9	53.1	52.8	51.3	49.6	45.4
34	6/28/2025	7:00 PM	8:00 PM	1:00	50.4	68.2	37.8	63.7	56.9	54.1	53.2	52.7	50.1	44.1	40.4
35	6/28/2025	8:00 PM	9:00 PM	1:00	45.2	75.5	38.6	50.3	47.9	46.1	45.1	44.6	42.8	41.7	40.4
36	6/28/2025	9:00 PM	10:00 PM	1:00	43.0	60.0	39.1	49.1	47.4	45.4	44.5	44.1	42.8	41.9	40.6
37	6/28/2025	10:00 PM	11:00 PM	1:00	44.8	63.4	39.0	56.9	52.1	46.6	44.8	44.3	42.6	41.6	40.3
38	6/28/2025	11:00 PM	12:00 AM	1:00	42.8	56.0	39.2	48.3	46.9	45.2	44.5	44.2	43.0	42.2	40.5
39	6/29/2025	12:00 AM	1:00 AM	1:00	48.0	67.7	39.5	60.4	57.2	49.9	47.5	46.6	43.5	42.3	41.1
40	6/29/2025	1:00 AM	2:00 AM	1:00	42.1	53.7	39.3	46.0	45.0	43.8	43.3	43.1	42.3	41.7	40.8
41	6/29/2025	2:00 AM	3:00 AM	1:00	42.2	55.4	39.2	48.5	46.7	44.1	43.4	43.1	42.2	41.6	40.4
42	6/29/2025	3:00 AM	4:00 AM	1:00	41.0	53.3	38.1	46.4	45.0	43.4	42.6	42.4	41.1	40.2	39.1
43	6/29/2025	4:00 AM	5:00 AM	1:00	39.4	44.8	37.2	42.0	41.6	41.0	40.7	40.5	39.8	39.1	38.1
44	6/29/2025	5:00 AM	6:00 AM	1:00	49.9	61.5	37.3	57.8	56.7	55.2	54.2	53.7	50.9	47.5	39.9
45	6/29/2025	6:00 AM	7:00 AM	1:00	49.6	62.2	40.3	56.3	55.4	54.1	53.3	52.8	50.6	48.0	43.3
46	6/29/2025	7:00 AM	8:00 AM	1:00	49.4	59.7	41.3	56.4	55.3	53.7	52.9	52.5	50.3	48.0	43.8
47	6/29/2025	8:00 AM	9:00 AM	1:00	61.0	85.6	41.6	73.1	70.3	65.1	59.4	56.7	51.9	48.5	44.2
48	6/29/2025	9:00 AM	10:00 AM	1:00	49.3	60.8	40.3	56.4	55.1	53.4	52.5	52.1	50.2	48.0	43.7
49	6/29/2025	10:00 AM	11:00 AM	1:00	48.9	61.1	39.6	56.4	55.3	53.8	52.8	52.3	49.8	46.9	42.2
50	6/29/2025	11:00 AM	12:00 PM	1:00	48.1	60.3	39.5	55.4	54.3	52.8	51.9	51.4	49.0	46.3	41.9
51	6/29/2025	12:00 PM	1:00 PM	1:00	48.6	65.7	39.8	59.3	57.1	54.0	51.9	50.9	47.2	44.6	41.8
52	6/29/2025	1:00 PM	2:00 PM	1:00	47.5	63.3	39.3	56.3	54.6	52.1	50.8	50.2	47.4	45.0	41.1
53	6/29/2025	2:00 PM	3:00 PM	1:00	53.4	71.8	40.8	63.4	61.5	58.8	57.0	56.1	52.6	49.9	45.6

LONG-TERM MEASUREMENT DATA SHEET

Date: Drop off 6/27/25 Pick up 6/30/25

LT-5

Project Number/Name: FHS-06, Troy HS

Monitoring Personnel: L2

Meter Settings:

☐ Larson Davis Lxt ☒ Piccolo Meter Kit #: 6

☒ A-Weighted ☒ Slow ☐ Fast ☒ Windscreen

Calibration

LD CAL 200 ☐ SN-14280 ☐ SN-14279

1 kHz Tone Reference Level: ☒ 94 dB ☐ 114 dB

Calibration Offset Prior: 94.3

Offset After: 93.8

Time of meter mounted: 10:20

☒ Photos: _____

Site Location/Address: Troy HS west parking lot, east of E. Union Ave.
cul-de-sac

Primary Noise Source: vehicles parking, spectators talking

Traffic counts in both directions (15 minute)

Roadway	# Lanes	Posted Speed	Autos	MD	HD

Additional Notes:

Noise meter is well hidden in bushes; likely to attract attention due to heavy use of the parking lot on 6/28

Elev 108 ft, 33.86 °N, 117.96 °W

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Station Summary

Online(updated 4 minutes ago)

CURRENT CONDITIONS

MAP



78.3

°F SSW

WIND & GUST
1.3 / 6.3 mph

Feels Like
78.2 °

DEWPOINT
59.2 ° F

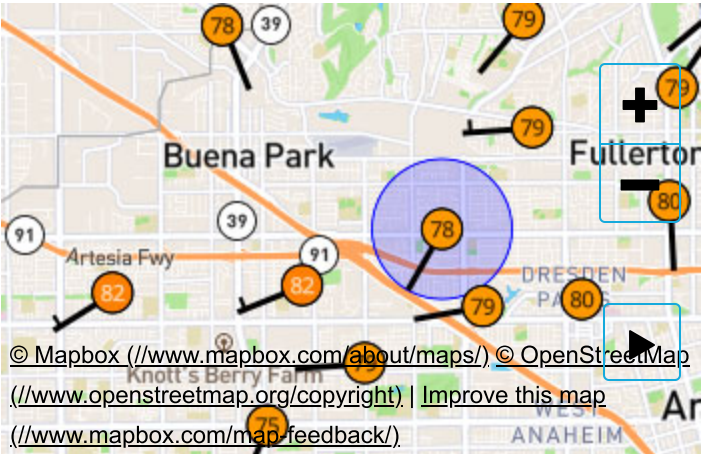
PRESSURE
29.74 in

PRECIP ACCUM
0.00 in

PRECIP RATE
0.00 in/hr

HUMIDITY
52 %

UV
7



lat=33.86&lon=-117.963&zoom=13&tl.play=0&tl.spd=2&gr

PWS CURRENT CONDITIONS

TEMPERATURE ⓘ

WIND ⓘ

PRESSURE ⓘ

CURRENT
78°

DEWPOINT
59.2 °F

HUMIDITY
52 %

1.3

WIND FROM
SSW

GUST
6.3 mph

CURRENT
29.74 In

PRECIPITATION



UV



SOLAR RADIATION



PRECIP
RATE
0.00 in/hr

PRECIP
TOTAL
0.00 in



CURRENT
UV
7

UV RISK



CURRENT
810.20
watts/m²

Weather History for KCAFULLE87

Daily Mode

June

27

2025

Previous

View

Next

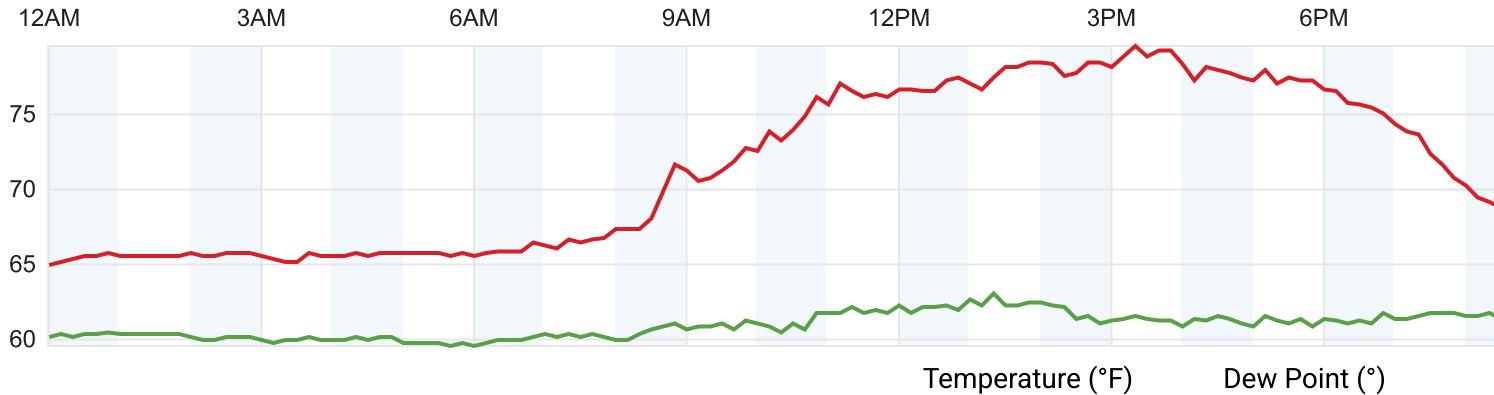
Summary
June 27, 2025

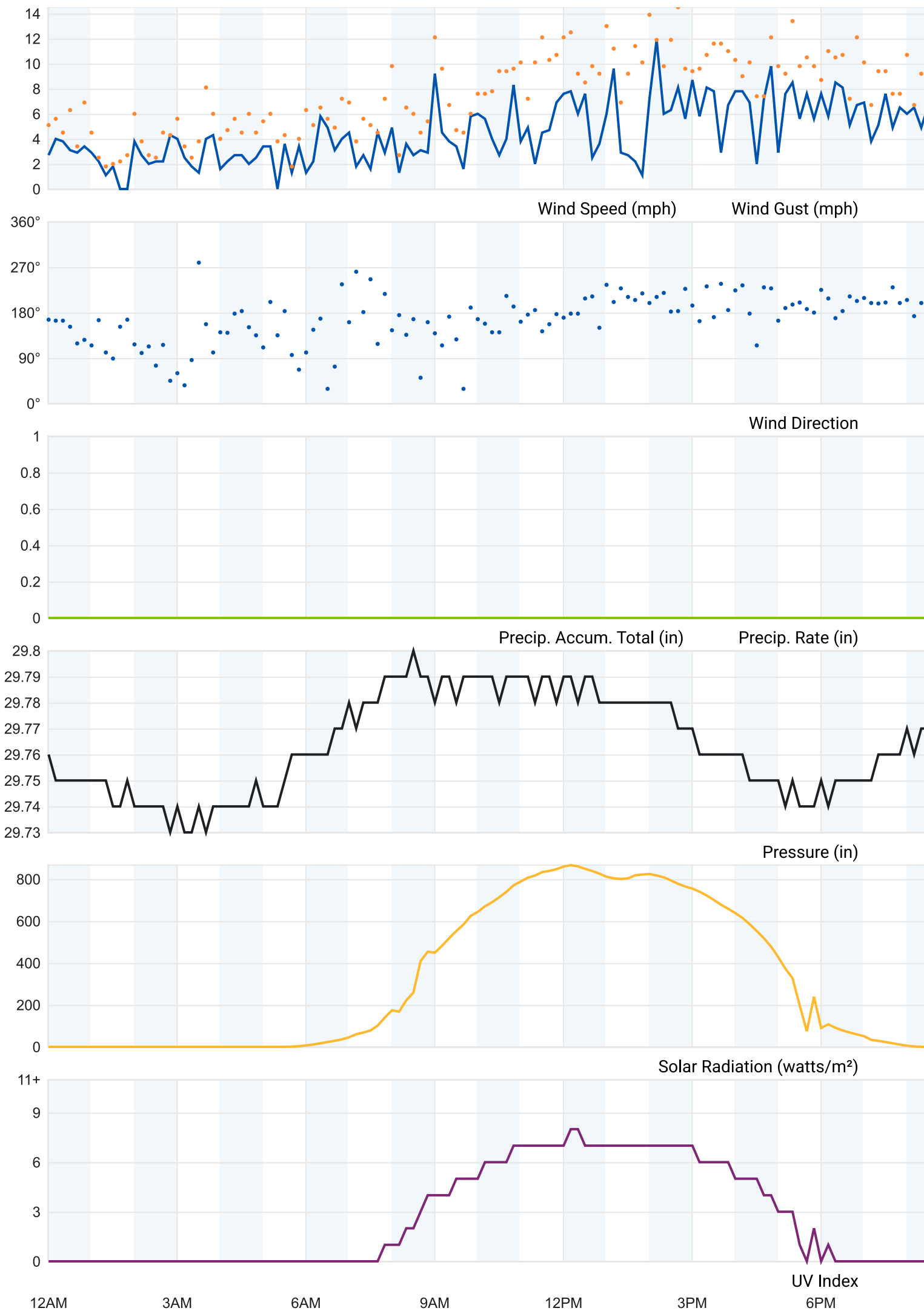
	High	Low	Average
Temperature	79.5 °F	64.9 °F	70.7 °F
Dew Point	63.0 °F	59.5 °F	60.8 °F
Humidity	85 %	54 %	72 %
Precipitation	0.00 in	--	--

	High	Low	Average
Wind Speed	11.9 mph	0.0 mph	4.5 mph
Wind Gust	14.5 mph	--	7.3 mph
Wind Direction	--	--	South
Pressure	29.80 in	29.73 in	--

Graph	Table
-------	-------

June 27, 2025





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Elev 108 ft, 33.86 °N, 117.96 °W

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Station Summary

Online(updated 3 minutes ago)

CURRENT CONDITIONS

MAP



78.3

°F SSW

WIND & GUST
1.3 / 6.3 mph

Feels Like
78.2 °

DEWPOINT
59.2 ° F

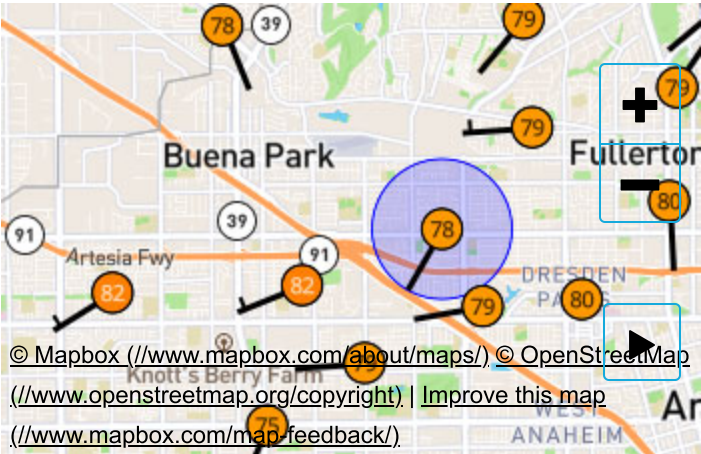
PRESSURE
29.74 in

PRECIP ACCUM
0.00 in

PRECIP RATE
0.00 in/hr

HUMIDITY
52 %

UV
7



lat=33.86&lon=-117.963&zoom=13&tl.play=0&tl.spd=2&gr

PWS CURRENT CONDITIONS

TEMPERATURE ⓘ

WIND ⓘ

PRESSURE ⓘ

CURRENT
78°

DEWPOINT
59.2 °F

HUMIDITY
52 %

1.3

WIND FROM
SSW

GUST
6.3 mph

CURRENT
29.74 In

PRECIPITATION



UV



SOLAR RADIATION



PRECIP
RATE
0.00 in/hr

PRECIP
TOTAL
0.00 in



CURRENT
UV
7

UV RISK



CURRENT
810.20
watts/m²

Weather History for KCAFULLE87

Daily Mode

June

28

2025

Previous

View

Next

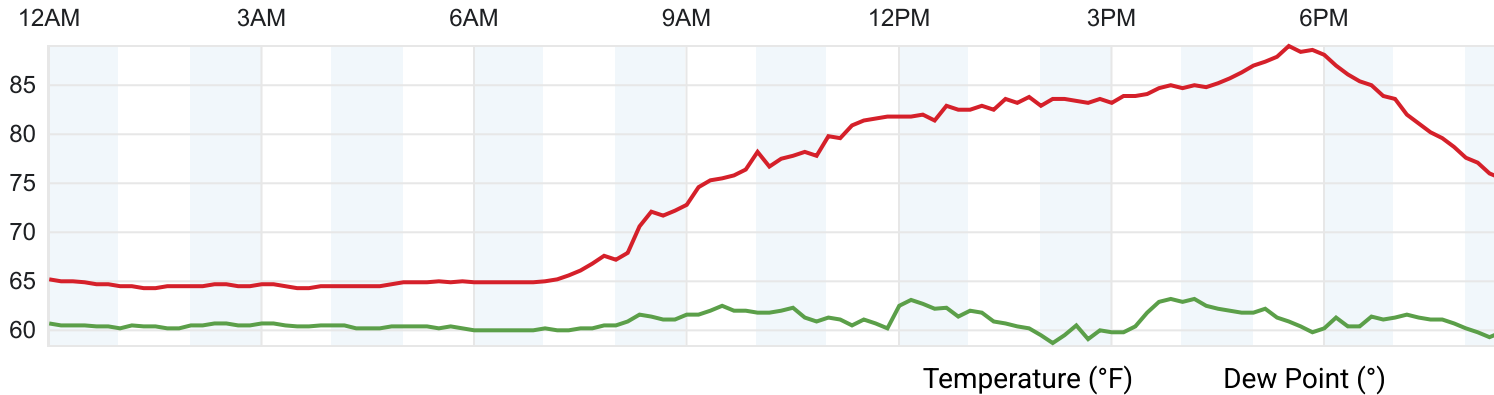
Summary
June 28, 2025

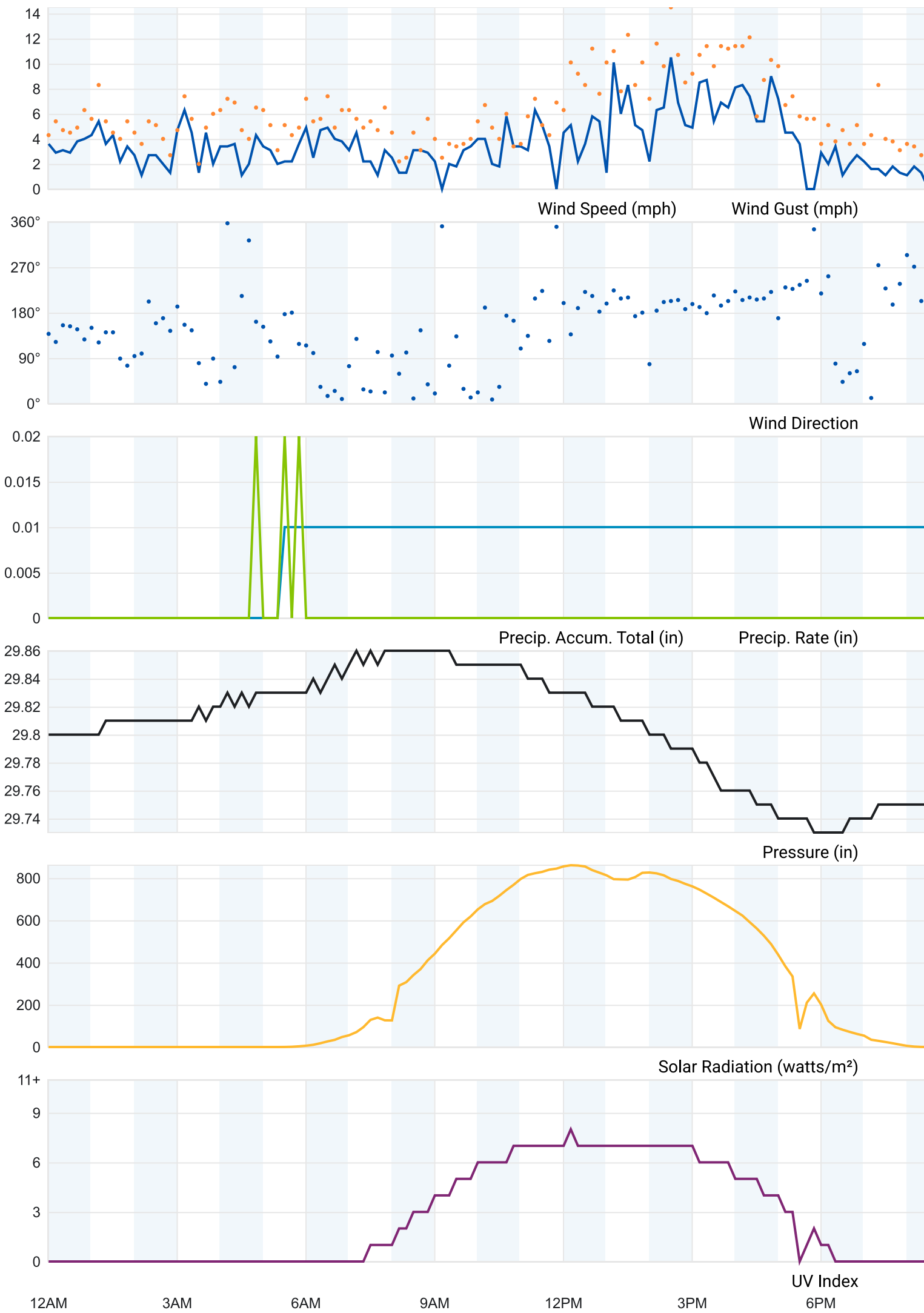
	High	Low	Average
Temperature	88.9 °F	64.2 °F	74.2 °F
Dew Point	63.1 °F	58.3 °F	60.6 °F
Humidity	87 %	38 %	65 %
Precipitation	0.02 in	--	--

	High	Low	Average
Wind Speed	10.5 mph	0.0 mph	3.4 mph
Wind Gust	14.5 mph	--	5.8 mph
Wind Direction	--	--	SSE
Pressure	29.86 in	29.73 in	--

Graph	Table
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June 28, 2025





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Elev 108 ft, 33.86 °N, 117.96 °W

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X

Station Summary

Online(updated 3 minutes ago)

CURRENT CONDITIONS

MAP



78.3

°F SSW

WIND & GUST
1.3 / 6.3 mph

Feels Like
78.2 °

DEWPOINT
59.2 ° F

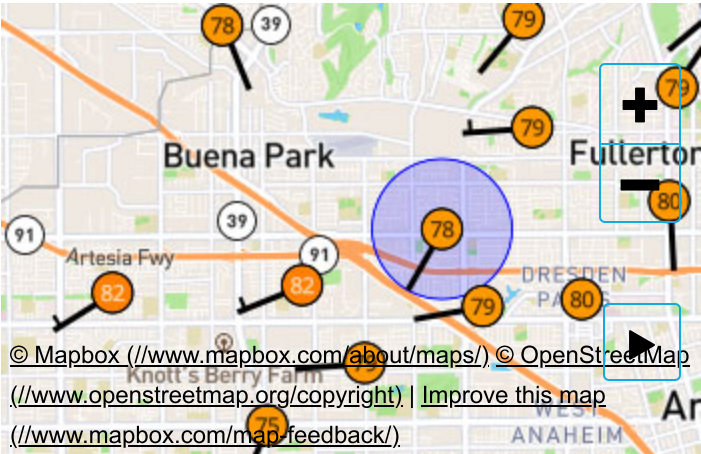
PRESSURE
29.74 in

PRECIP ACCUM
0.00 in

PRECIP RATE
0.00 in/hr

HUMIDITY
52 %

UV
7



lat=33.86&lon=-117.963&zoom=13&tl.play=0&tl.spd=2&gr

PWS CURRENT CONDITIONS

TEMPERATURE ⓘ

WIND ⓘ

PRESSURE ⓘ

CURRENT
78°

DEWPOINT
59.2 °F

HUMIDITY
52 %

1.3

WIND FROM
SSW

GUST
6.3 mph

CURRENT
29.74 In

PRECIPITATION



UV



SOLAR RADIATION



PRECIP
RATE
0.00 in/hr

PRECIP
TOTAL
0.00 in



CURRENT
UV
7

UV RISK



CURRENT
810.20
watts/m²

Weather History for KCAFULLE87

Daily Mode

June

29

2025

Previous

View

Next

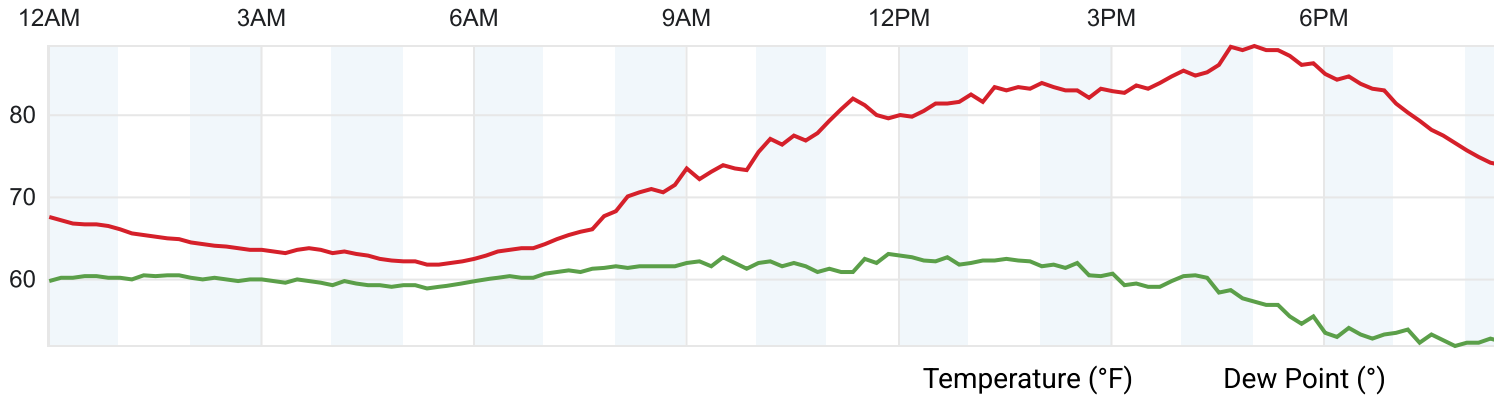
Summary
June 29, 2025

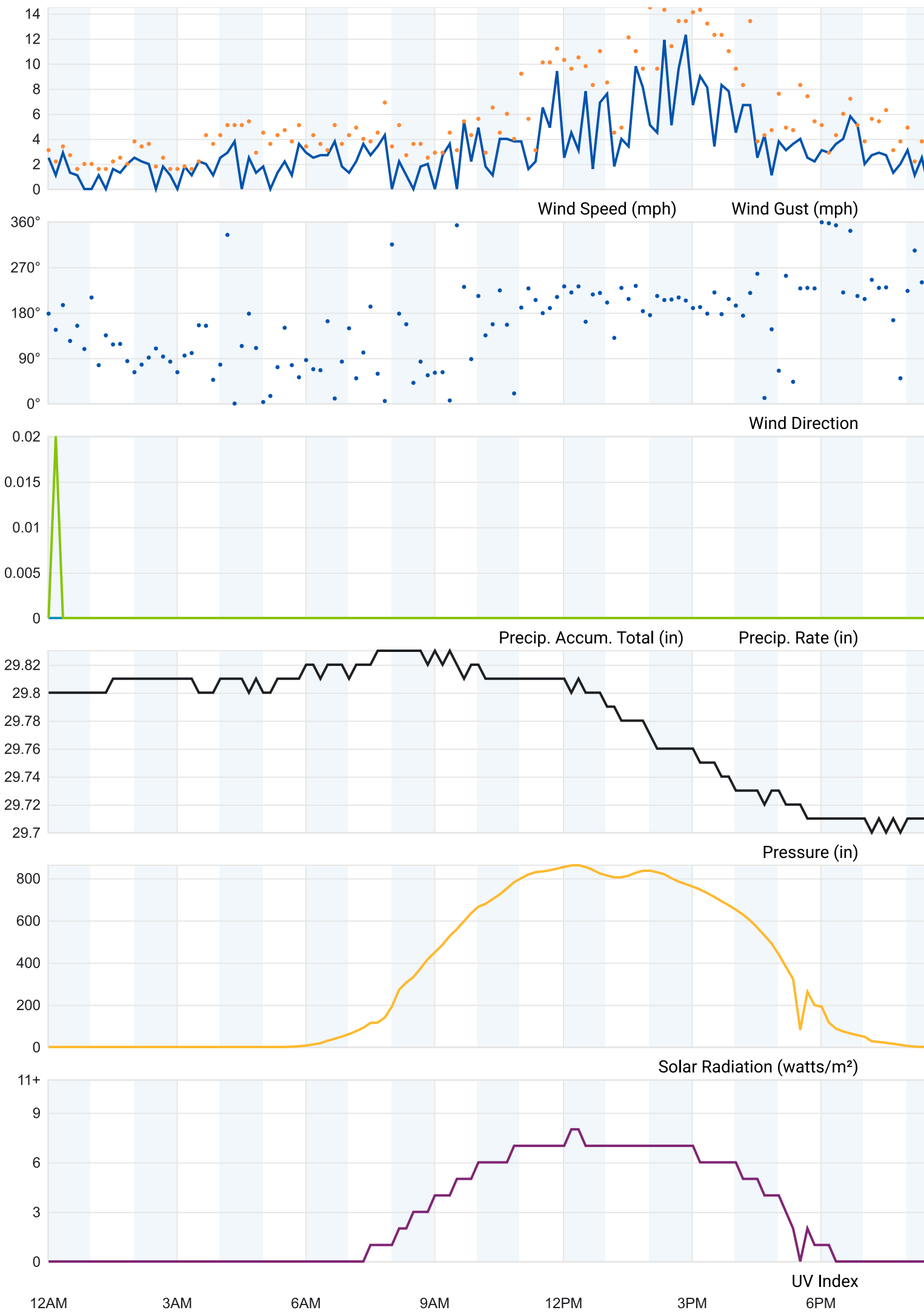
	High	Low	Average
Temperature	88.3 °F	61.7 °F	73.4 °F
Dew Point	63.0 °F	51.8 °F	58.9 °F
Humidity	91 %	34 %	64 %
Precipitation	0.00 in	--	--

	High	Low	Average
Wind Speed	12.3 mph	0.0 mph	3.0 mph
Wind Gust	14.5 mph	--	5.3 mph
Wind Direction	--	--	SSE
Pressure	29.83 in	29.70 in	--

Graph	Table
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June 29, 2025





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Elev 108 ft, 33.86 °N, 117.96 °W

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Station Summary

Online(updated 39 seconds ago)

CURRENT CONDITIONS

MAP



78.3

°F SSW

WIND & GUST
1.3 / 6.3 mph

Feels Like
78.2 °

DEWPOINT
59.2 ° F

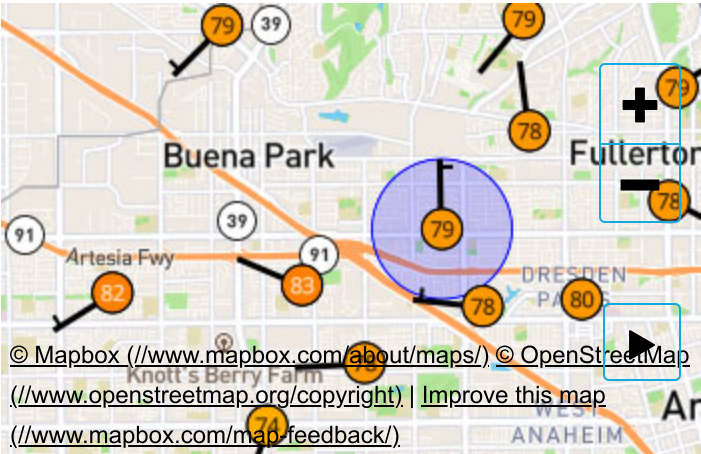
PRESSURE
29.74 in

PRECIP ACCUM
0.00 in

PRECIP RATE
0.00 in/hr

HUMIDITY
52 %

UV
7



lat=33.86&lon=-117.963&zoom=13&tl.play=0&tl.spd=2&gr

PWS CURRENT CONDITIONS

TEMPERATURE



WIND



PRESSURE



CURRENT
78°

DEWPOINT
59.2 °F

HUMIDITY
52 %



WIND FROM
SSW
GUST
6.3 mph

CURRENT
29.74 In



PRECIP
RATE
0.00 in/hr

PRECIP
TOTAL
0.00 in



CURRENT
UV
7

UV RISK



CURRENT
810.20
watts/m²

Weather History for KCAFULLE87

Daily Mode

June

30

2025

Previous

View

Next

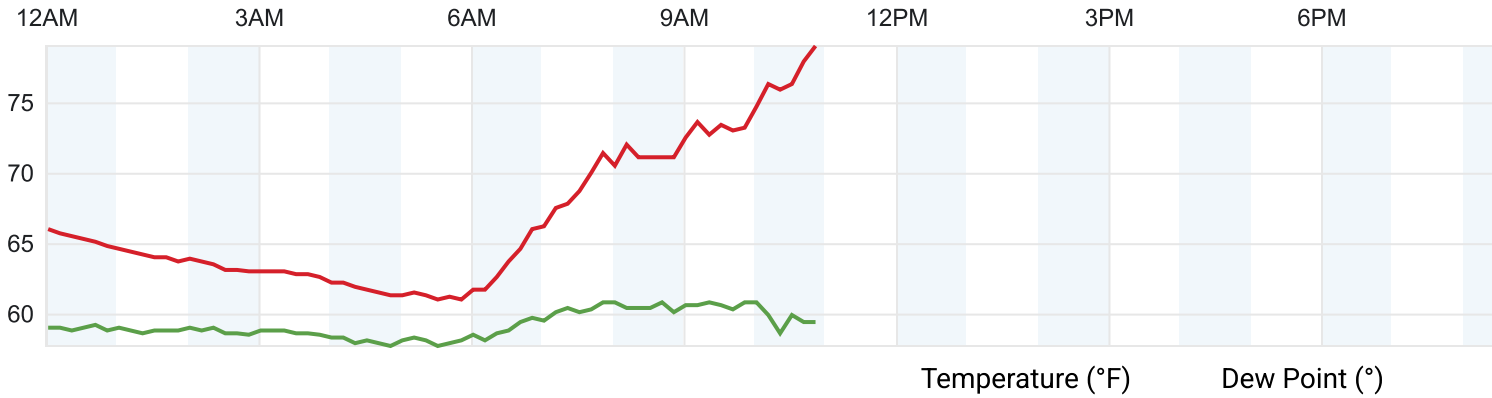
Summary
June 30, 2025

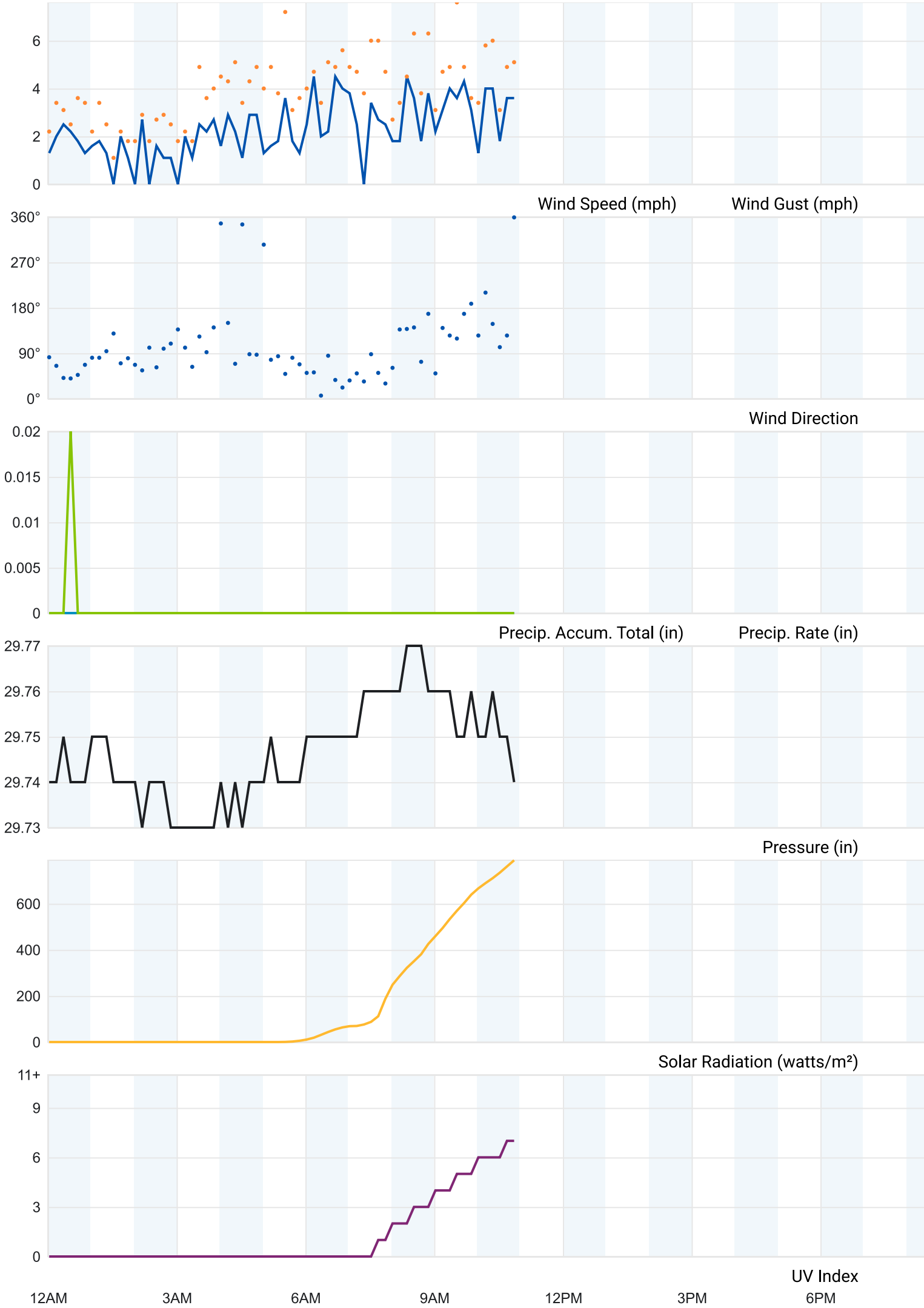
	High	Low	Average
Temperature	79.0 °F	61.0 °F	66.5 °F
Dew Point	60.8 °F	57.7 °F	59.2 °F
Humidity	90 %	51 %	78 %
Precipitation	0.00 in	--	--

	High	Low	Average
Wind Speed	4.5 mph	0.0 mph	2.3 mph
Wind Gust	7.6 mph	--	3.9 mph
Wind Direction	--	--	East
Pressure	29.77 in	29.73 in	--

Graph	Table
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June 30, 2025





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C O N S T R U C T I O N M O D E L I N G R E S U L T S

FHS-08.0 - Troy Construction Noise Modeling Attenuation Calculations - Field Improvements

Levels in dBA Leq

Phase	RCNM Reference				
	Noise Level	Receptor to North	Receptor to South	Receptor to East	Receptor to West
<i>Distance in feet</i>	50	620	125	145	225
Asphalt Demolition	84	62	76	75	71
Site Prep	81	59	73	71	68
Grading	83	61	75	74	70
<i>Distance in feet</i>	50	770	420	325	700
Building Construction	79	56	61	63	56
Architectural Coating	77	53	58	60	54
<i>Distance in feet</i>	50	900	200	305	700
Paving	80	55	68	64	57
<i>Distance in feet</i>	50	125	75	270	75
Interim Building Installation/Installation	73	65	69	58	69
<i>Distance in feet</i>	50	170	600	370	105
Building Construction (Phase 1, Phases 2-3)	79	68	57	61	72
Architectural Coating (Phase 1, Phases 2-3)	77	66	55	60	70
<i>Distance in feet</i>	50	100	30	65	140
Light Pole Installation	76	70	80	74	67

Attenuation calculated through Inverse Square Law: $L_p(R2) = L_p(R1) - 20\log(R2/R1)$

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Interim Building Installation

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Receptor at 50 ft	Residential	65.0	60.0	55.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	50.0	0.0

Results

		Noise Limits (dBA)								Noise Limit Exceedance (dBA)					
		Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Equipment															
Crane		80.6	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	80.6	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Building Construction (Phase 1, Phases 2-3)

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Receptor at 50 ft	Residential	65.0	60.0	55.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	50.0	0.0
Excavator	No	40		80.7	50.0	0.0
Welder / Torch	No	40		74.0	50.0	0.0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	80.6	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	74.0	70.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	80.7	78.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Architectural Coating (Phase 1, Phases 2-3)

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)				
		Daytime	Evening	Night		
-----	-----	-----	-----	-----		
Receptor at 50 ft	Residential	65.0	60.0	55.0		
Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
-----	-----	-----	-----	-----	-----	-----
Compressor (air)	No	40		77.7	50.0	0.0
Compressor (air)	No	40		77.7	50.0	0.0

Results

Equipment	Noise Limits (dBA)								Noise Limit Exceedance (dBA)					
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	77.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Interim Building Removal

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Receptor at 50 ft	Residential	65.0	60.0	55.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	50.0	0.0

Results

		Noise Limits (dBA)								Noise Limit Exceedance (dBA)					
		Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Equipment															
Crane		80.6	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	80.6	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Asphalt Demolition

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Receptor at 50 ft	Residential	65.0	60.0	55.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	50.0	0.0
Dozer	No	40		81.7	50.0	0.0

Results

Equipment	Noise Limits (dBA)										Noise Limit Exceedance (dBA)					
	Calculated (dBA)		Day		Evening		Night				Day		Evening		Night	
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	89.6	82.6	N/A	N/A	N/A	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	N/A
Total	89.6	83.8	N/A	N/A	N/A	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Site Preparation

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)				
		Daytime	Evening	Night		
-----	-----	-----	-----	-----		
Receptor at 50 ft	Residential	65.0	60.0	55.0		
Equipment						

	Impact	Usage	Spec	Actual	Receptor	Estimated
Description	Device	(%)	Lmax	Lmax	Distance	Shielding
-----	-----	-----	-----	-----	-----	-----
Dozer	No	40		81.7	50.0	0.0
Front End Loader	No	40		79.1	50.0	0.0
Backhoe	No	40		77.6	50.0	0.0

Results

Equipment		Noise Limits (dBA)								Noise Limit Exceedance (dBA)					
		Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer		81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		77.6	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		81.7	80.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Grading

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Receptor at 50 ft	Residential	65.0	60.0	55.0

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Equipment		
				Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85.0		50.0	0.0
Excavator	No	40		80.7	50.0	0.0
Backhoe	No	40		77.6	50.0	0.0

Results

			Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
Calculated (dBA)			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	85.0	81.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	77.6	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85.0	82.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Building Construction

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Receptor at 50 ft	Residential	65.0	60.0	55.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	50.0	0.0
Generator	No	50		80.6	50.0	0.0
Welder / Torch	No	40		74.0	50.0	0.0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	80.6	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	80.6	77.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	74.0	70.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	80.6	79.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Paving

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Receptor at 50 ft	Residential	65.0	60.0	55.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Roller	No	20		80.0	50.0	0.0
Paver	No	50		77.2	50.0	0.0
Drum Mixer	No	50		80.0	50.0	0.0

Results

Equipment		Noise Limits (dBA)								Noise Limit Exceedance (dBA)					
		Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Roller		80.0	73.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver		77.2	74.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer		80.0	77.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		80.0	79.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/12/2026
Case Description: FHS-08.0 Troy Architectural Coating

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)				
		Daytime	Evening	Night		
-----	-----	-----	-----	-----		
Receptor at 50 ft	Residential	65.0	60.0	55.0		
Equipment						

	Impact	Usage	Spec	Actual	Receptor	Estimated
Description	Device	(%)	Lmax	Lmax	Distance	Shielding
-----	-----	-----	-----	-----	-----	-----
Compressor (air)	No	40		77.7	50.0	0.0
Compressor (air)	No	40		77.7	50.0	0.0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	77.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/13/2026
Case Description: FHS-06.0 Sunny Hills Light Pole Installation

**** Receptor #1 ****

Description		Baselines (dBA)			
		Land Use	Daytime	Evening	Night
Reference Distance Receptor at 50 ft		Residential	65.0	55.0	50.0

Description		Equipment				
		Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Crane		No	16		80.6	50.0
Backhoe		No	40		77.6	50.0

Results

Equipment		Noise Limits (dBA)								Noise Limit Exceedance (dBA)					
		Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane		80.6	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		77.6	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		80.6	76.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FHS-08.0 - Troy Vibration Damage Attenuation Calculations					
Levels, PPV (in/sec)					
	Vibration Reference Level	Receptor to North	Receptor to South	Receptor to East	Receptor to West
<i>Distance in feet</i>	<i>at 25 feet</i>	<i>100</i>	<i>30</i>	<i>65</i>	<i>75</i>
Vibratory Roller	0.21	0.026	0.160	0.050	0.040
Clam shovel	0.202	0.025	0.154	0.048	0.039
Hoe Ram	0.089	0.011	0.068	0.021	0.017
Large Bulldozer	0.089	0.011	0.068	0.021	0.017
Caisson Drilling	0.089	0.011	0.068	0.021	0.017
Loaded Trucks	0.076	0.010	0.058	0.018	0.015
Jackhammer	0.035	0.004	0.027	0.008	0.007
Small Bulldozer	0.003	0.000	0.002	0.001	0.001

T R A F F I C M O D E L I N G R E S U L T S

Traffic Noise Calculator: FHWA 77-108																									Troy High Schoool (FHS-08.0) Existing 2025 no Project Traffic Noise Traffic Conditions									
ID	Output					Inputs																	Auto Inputs											
	dBA at 50 feet			Distance to CNEL Contour		Roadway			Segment From - To			ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance									
	L _{eq-24hr}	L _{dn}	CNEL	70 dBA	65 dBA	60 dBA																												
1	62.0	64.8	65.5	25	54	117	Dorthy Lane	State College	Driveway 4	8,500	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32											
2	61.1	63.9	64.6	22	47	101	Dorthy Lane	Driveway 4	Driveway 3	6,900	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32											
3	60.3	63.1	63.8	19	42	90	Dorthy Lane	Driveway 3	Driveway 2	5,750	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32											
4	60.4	63.2	63.8	19	42	90	Dorthy Lane	Driveway 2	Victoria Dr	5,790	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32											
5	59.5	62.3	62.9	17	36	79	Dorthy Lane	Victoria Dr	N Acacia Ave	4,710	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32											
6	60.7	63.5	64.2	21	44	95	Dorthy Lane	N Acacia Ave	the West	6,280	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32											
7	56.0	58.8	59.5	10	21	46	Nutwood Ave	the West	Nutwood Ave	4,200	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20											
8	61.0	63.8	64.5	21	46	99	Nutwood Ave	Nutwood Ave	the East	13,260	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20											
9	68.6	71.4	72.1	69	148	319	State College Blvd	the North	Dorthy Ln	26,720	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68											
10	68.4	71.2	71.9	67	144	310	State College Blvd	Dorthy Ln	Nutwood Ave	25,600	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68											
11	68.6	71.4	72.1	69	148	319	State College Blvd	Nutwood Ave	the South	26,650	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68											
12	52.0	54.8	55.5	5	12	25	N Hale Ave	Victoria Dr	Driveway 1	1,670	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20											
13	49.4	52.1	52.8	4	8	17	N Hale Ave	Driveway 1	to the South	910	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20											

Traffic Noise Calculator: FHWA 77-108																							Troy High School (FHS-08.0) Existing 2025 no Project Traffic Noise Traffic Conditions									
ID	Output					Inputs																		Auto Inputs								
	dBA at 50 feet			Distance to CNEL Contour		Roadway		Segment From - To		ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance									
L _{eq} 24hr	L _{dn}	CNEL	70 dBA	65 dBA	60 dBA																											
1	62.2	65.0	65.7	26	55	119	Dorthy Lane	State College	Driveway 4	8,800	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
2	61.1	63.9	64.6	22	47	102	Dorthy Lane	Driveway 4	Driveway 3	6,920	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
3	60.4	63.2	63.8	19	42	90	Dorthy Lane	Driveway 3	Driveway 2	5,790	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
4	60.1	62.9	63.6	19	40	87	Dorthy Lane	Driveway 2	Victoria Dr	5,500	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
5	59.6	62.4	63.0	17	37	80	Dorthy Lane	Victoria Dr	N Acacia Ave	4,810	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
6	60.8	63.6	64.3	21	45	96	Dorthy Lane	N Acacia Ave	the West	6,370	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
7	56.0	58.8	59.5	10	21	46	Nutwood Ave	the West	Nutwood Ave	4,200	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20									
8	61.0	63.8	64.5	21	46	99	Nutwood Ave	Nutwood Ave	the East	13,280	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20									
9	68.6	71.4	72.1	69	149	321	State College Blvd	the North	Dorthy Ln	26,910	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68									
10	68.4	71.2	71.9	67	144	311	State College Blvd	Dorthy Ln	Nutwood Ave	25,690	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68									
11	68.6	71.4	72.1	69	148	319	State College Blvd	Nutwood Ave	the South	26,720	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68									
12	52.3	55.1	55.7	6	12	26	N Hale Ave	Victoria Dr	Driveway 1	1,780	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20									
13	49.5	52.3	53.0	4	8	17	N Hale Ave	Driveway 1	to the South	950	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20									

Traffic Noise Calculator: FHWA 77-108																							Troy High School (FHS-08.0) Opening Year 2028 no Project Traffic Noise Traffic Conditions									
ID	Output			Distance to CNEL Contour			Inputs																Auto Inputs									
	L _{eq-24hr}	L _{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway		Segment From - To		ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance								
1	62.2	65.0	65.6	26	55	119	Dorthy Lane	State College	Driveway 4	8,750	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
2	61.3	64.1	64.7	22	48	103	Dorthy Lane	Driveway 4	Driveway 3	7,110	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
3	60.4	63.2	63.9	20	42	91	Dorthy Lane	Driveway 3	Driveway 2	5,820	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
4	60.9	63.6	64.3	21	45	97	Dorthy Lane	Driveway 2	Victoria Dr	6,470	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
5	59.6	62.4	63.1	17	37	80	Dorthy Lane	Victoria Dr	N Acacia Ave	4,870	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
6	60.9	63.6	64.3	21	45	97	Dorthy Lane	N Acacia Ave	the West	6,470	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32									
7	56.1	58.9	59.6	10	22	47	Nutwood Ave	the West	Nutwood Ave	4,320	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20									
8	61.1	63.9	64.6	22	47	101	Nutwood Ave	Nutwood Ave	the East	13,650	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20									
9	68.7	71.5	72.2	70	151	326	State College Blvd	the North	Dorthy Ln	27,540	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68									
10	68.5	71.3	72.0	68	147	316	State College Blvd	Dorthy Ln	Nutwood Ave	26,370	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68									
11	68.7	71.5	72.2	70	151	325	State College Blvd	Nutwood Ave	the South	27,440	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68									
12	52.1	54.9	55.6	5	12	25	N Hale Ave	Victoria Dr	Driveway 1	1,720	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20									
13	49.5	52.3	53.0	4	8	17	N Hale Ave	Driveway 1	to the South	940	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20									

Traffic Noise Calculator: FHWA 77-108				Troy High School (FHS-08.0) Opening Year 2028 Plus Project Traffic Noise Traffic Conditions																			
ID	Output			Inputs																	Auto Inputs		
	L _{eq-24hr}	L _{dn}	CNEL	Distance to CNEL Contour			Roadway		Segment From - To	ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
				70 dBA	65 dBA	60 dBA																	
1	62.3	65.1	65.8	26	56	122	Dorthy Lane	State College	Driveway 4	9,070	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32
2	61.3	64.1	64.7	22	48	104	Dorthy Lane	Driveway 4	Driveway 3	7,120	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32
3	60.5	63.3	64.0	20	43	92	Dorthy Lane	Driveway 3	Driveway 2	5,960	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32
4	60.5	63.3	64.0	20	43	92	Dorthy Lane	Driveway 2	Victoria Dr	5,980	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32
5	59.7	62.5	63.2	18	38	81	Dorthy Lane	Victoria Dr	N Acacia Ave	4,960	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32
6	60.9	63.7	64.4	21	46	98	Dorthy Lane	N Acacia Ave	the West	6,560	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	3	Soft	50	0.5	32
7	56.1	58.9	59.6	10	22	47	Nutwood Ave	the West	Nutwood Ave	4,320	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20
8	61.1	63.9	64.6	22	47	101	Nutwood Ave	Nutwood Ave	the East	13,670	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20
9	68.8	71.6	72.2	70	152	327	State College Blvd	the North	Dorthy Ln	27,740	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68
10	68.3	71.1	71.8	66	142	306	State College Blvd	Dorthy Ln	Nutwood Ave	25,120	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68
11	68.7	71.5	72.2	70	151	325	State College Blvd	Nutwood Ave	the South	27,520	40	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	6	Soft	50	0.5	68
12	52.4	55.2	55.9	6	12	26	N Hale Ave	Victoria Dr	Driveway 1	1,830	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20
13	49.7	52.5	53.2	4	8	18	N Hale Ave	Driveway 1	to the South	990	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20

S O U N D P L A N R E S U L T S

Noise level

Leq,d
in dB(A)

<= 45	<= 45
45 <	<= 50
50 <	<= 55
55 <	<= 60
60 <	<= 65
65 <	<= 70
70 <	<= 75
75 <	<= 80
80 <	<= 85
85 <	

Signs and symbols

	Area
	Point source
	Area source
	Building
	Elevation line
	Receiver

FHS-08.0 Troy
Assembly with 2,200 spectators



FHS-08.0 Troy FJUHSD

Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Receiver LT-1 FI G Leq,d 58.4 dB(A) Leq,n 57.3 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	128.05	-53.1	-1.7	0.0	-0.8	0.00	0.0	0.1	64.5	0.0	-8.3	5.6	61.8	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	128.05	-53.1	-1.7	0.0	-0.8	0.00	0.0	0.1	64.5	0.0	-7.8	0.0	56.7	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	128.05	-53.1	-1.7	0.0	-0.8	0.00	0.0	0.1	64.5	0.0	-9.3	0.0	55.2	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	125.04	-52.9	-2.0	-7.5	-0.6	0.00	0.0	2.2	52.6	0.0	-8.3	5.6	49.9	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	125.04	-52.9	-2.0	-7.5	-0.6	0.00	0.0	2.2	52.6	0.0	-7.8	0.0	44.8	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	125.04	-52.9	-2.0	-7.5	-0.6	0.00	0.0	2.2	52.6	0.0	-9.3	0.0	43.3	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	127.01	-53.1	-1.4	0.0	-0.8	0.00	-4.6	0.9	51.0	0.0	-7.0	6.4	50.4	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	127.01	-53.1	-1.4	0.0	-0.8	0.00	-4.6	0.9	51.0	0.0	-7.0	0.0	44.0	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	127.01	-53.1	-1.4	0.0	-0.8	0.00	-4.6	0.9	51.0	0.0	-7.0	0.0	44.0	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	43.97	-43.9	-1.0	0.0	-0.3	0.00	-8.5	0.0	56.4	0.0	-7.0	6.4	55.8	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	43.97	-43.9	-1.0	0.0	-0.3	0.00	-8.5	0.0	56.4	0.0	-7.0	0.0	49.4	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	43.97	-43.9	-1.0	0.0	-0.3	0.00	-8.5	0.0	56.4	0.0	-7.0	0.0	49.4	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	97.79	-50.8	-1.4	-10.4	-0.3	0.00	-3.4	2.0	45.7	0.0	-7.0	6.4	45.1	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	97.79	-50.8	-1.4	-10.4	-0.3	0.00	-3.4	2.0	45.7	0.0	-7.0	0.0	38.7	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	97.79	-50.8	-1.4	-10.4	-0.3	0.00	-3.4	2.0	45.7	0.0	-7.0	0.0	38.7	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	156.99	-54.9	-1.5	0.0	-1.0	0.00	-1.7	0.2	51.2	0.0	-7.0	6.4	50.6	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	156.99	-54.9	-1.5	0.0	-1.0	0.00	-1.7	0.2	51.2	0.0	-7.0	0.0	44.2	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	156.99	-54.9	-1.5	0.0	-1.0	0.00	-1.7	0.2	51.2	0.0	-7.0	0.0	44.2	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	46.22	-44.3	-1.0	-14.1	-0.1	0.00	-4.0	4.5	51.0	0.0	-7.0	6.4	50.4	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	46.22	-44.3	-1.0	-14.1	-0.1	0.00	-4.0	4.5	51.0	0.0	-7.0	0.0	44.0	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	46.22	-44.3	-1.0	-14.1	-0.1	0.00	-4.0	4.5	51.0	0.0	-7.0	0.0	44.0	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	187.71	-56.5	-1.5	0.0	-1.1	0.00	-0.4	0.0	50.6	0.0	-7.0	6.4	50.0	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	187.71	-56.5	-1.5	0.0	-1.1	0.00	-0.4	0.0	50.6	0.0	-7.0	0.0	43.6	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	187.71	-56.5	-1.5	0.0	-1.1	0.00	-0.4	0.0	50.6	0.0	-7.0	0.0	43.6	
Receiver LT-2 FI G Leq,d 62.9 dB(A) Leq,n 62.0 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	116.48	-52.3	-1.8	0.0	-0.7	0.00	0.0	2.2	67.4	0.0	-8.3	5.6	64.8	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	116.48	-52.3	-1.8	0.0	-0.7	0.00	0.0	2.2	67.4	0.0	-7.8	0.0	59.6	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	116.48	-52.3	-1.8	0.0	-0.7	0.00	0.0	2.2	67.4	0.0	-9.3	0.0	58.1	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	80.41	-49.1	-2.0	-1.0	-0.5	0.00	0.0	2.1	63.0	0.0	-8.3	5.6	60.3	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	80.41	-49.1	-2.0	-1.0	-0.5	0.00	0.0	2.1	63.0	0.0	-7.8	0.0	55.2	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	80.41	-49.1	-2.0	-1.0	-0.5	0.00	0.0	2.1	63.0	0.0	-9.3	0.0	53.6	

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FHS-08.0 Troy FJUHSD

Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w	Lw	I or A	KI	KT	DO	S	Adiv	Agr	Abar	Aatm	Amisc	ADI	dLrefl	Ls	Cmet	dLw	ZR	Lr	
			dB(A)	dB(A)	m,m²	dB	dB	dB	m	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB	dB(A)	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	155.35	-54.8	-1.5	0.0	-0.9	0.00	-1.6	3.5	54.7	0.0	-7.0	6.4	54.1	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	155.35	-54.8	-1.5	0.0	-0.9	0.00	-1.6	3.5	54.7	0.0	-7.0	0.0	47.7	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	155.35	-54.8	-1.5	0.0	-0.9	0.00	-1.6	3.5	54.7	0.0	-7.0	0.0	47.7	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	89.85	-50.1	-1.3	0.0	-0.6	0.00	-5.2	3.1	55.9	0.0	-7.0	6.4	55.4	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	89.85	-50.1	-1.3	0.0	-0.6	0.00	-5.2	3.1	55.9	0.0	-7.0	0.0	49.0	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	89.85	-50.1	-1.3	0.0	-0.6	0.00	-5.2	3.1	55.9	0.0	-7.0	0.0	49.0	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	54.92	-45.8	-1.1	0.0	-0.4	0.00	-8.3	2.1	56.5	0.0	-7.0	6.4	56.0	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	54.92	-45.8	-1.1	0.0	-0.4	0.00	-8.3	2.1	56.5	0.0	-7.0	0.0	49.6	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	54.92	-45.8	-1.1	0.0	-0.4	0.00	-8.3	2.1	56.5	0.0	-7.0	0.0	49.6	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	138.77	-53.8	-1.4	0.0	-0.9	0.00	-4.7	2.5	51.7	0.0	-7.0	6.4	51.1	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	138.77	-53.8	-1.4	0.0	-0.9	0.00	-4.7	2.5	51.7	0.0	-7.0	0.0	44.7	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	138.77	-53.8	-1.4	0.0	-0.9	0.00	-4.7	2.5	51.7	0.0	-7.0	0.0	44.7	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	31.06	-40.8	-0.8	0.0	-0.2	0.00	-7.7	2.6	63.0	0.0	-7.0	6.4	62.4	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	31.06	-40.8	-0.8	0.0	-0.2	0.00	-7.7	2.6	63.0	0.0	-7.0	0.0	56.0	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	31.06	-40.8	-0.8	0.0	-0.2	0.00	-7.7	2.6	63.0	0.0	-7.0	0.0	56.0	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	194.87	-56.8	-1.5	0.0	-1.1	0.00	-0.1	2.4	52.9	0.0	-7.0	6.4	52.3	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	194.87	-56.8	-1.5	0.0	-1.1	0.00	-0.1	2.4	52.9	0.0	-7.0	0.0	45.9	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	194.87	-56.8	-1.5	0.0	-1.1	0.00	-0.1	2.4	52.9	0.0	-7.0	0.0	45.9	
Receiver LT-3 FIG Leq,d 58.0 dB(A) Leq,n 56.7 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	173.34	-55.8	-1.7	0.0	-1.0	0.00	0.0	2.2	63.7	0.0	-8.3	5.6	61.0	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	173.34	-55.8	-1.7	0.0	-1.0	0.00	0.0	2.2	63.7	0.0	-7.8	0.0	55.9	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	173.34	-55.8	-1.7	0.0	-1.0	0.00	0.0	2.2	63.7	0.0	-9.3	0.0	54.4	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	128.42	-53.2	-2.0	0.0	-0.8	0.00	0.0	2.5	59.9	0.0	-8.3	5.6	57.2	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	128.42	-53.2	-2.0	0.0	-0.8	0.00	0.0	2.5	59.9	0.0	-7.8	0.0	52.1	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	128.42	-53.2	-2.0	0.0	-0.8	0.00	0.0	2.5	59.9	0.0	-9.3	0.0	50.6	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	240.06	-58.6	-1.5	0.0	-1.4	0.00	0.0	2.4	50.9	0.0	-7.0	6.4	50.3	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	240.06	-58.6	-1.5	0.0	-1.4	0.00	0.0	2.4	50.9	0.0	-7.0	0.0	43.9	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	240.06	-58.6	-1.5	0.0	-1.4	0.00	0.0	2.4	50.9	0.0	-7.0	0.0	43.9	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	204.19	-57.2	-1.5	-3.4	-1.0	0.00	-2.4	0.3	44.9	0.0	-7.0	6.4	44.3	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	204.19	-57.2	-1.5	-3.4	-1.0	0.00	-2.4	0.3	44.9	0.0	-7.0	0.0	37.9	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	204.19	-57.2	-1.5	-3.4	-1.0	0.00	-2.4	0.3	44.9	0.0	-7.0	0.0	37.9	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	124.68	-52.9	-1.4	0.0	-0.8	0.00	-7.9	1.7	48.7	0.0	-7.0	6.4	48.1	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	124.68	-52.9	-1.4	0.0	-0.8	0.00	-7.9	1.7	48.7	0.0	-7.0	0.0	41.7	

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FHS-08.0 Troy FJUHSD

Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	124.68	-52.9	-1.4	0.0	-0.8	0.00	-7.9	1.7	48.7	0.0	-7.0	0.0	41.7	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	174.49	-55.8	-1.5	0.0	-1.0	0.00	-8.2	2.3	45.7	0.0	-7.0	6.4	45.2	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	174.49	-55.8	-1.5	0.0	-1.0	0.00	-8.2	2.3	45.7	0.0	-7.0	0.0	38.7	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	174.49	-55.8	-1.5	0.0	-1.0	0.00	-8.2	2.3	45.7	0.0	-7.0	0.0	38.7	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	155.51	-54.8	-1.5	0.0	-0.9	0.00	-7.3	0.3	45.7	0.0	-7.0	6.4	45.1	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	155.51	-54.8	-1.5	0.0	-0.9	0.00	-7.3	0.3	45.7	0.0	-7.0	0.0	38.7	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	155.51	-54.8	-1.5	0.0	-0.9	0.00	-7.3	0.3	45.7	0.0	-7.0	0.0	38.7	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	246.11	-58.8	-1.5	0.0	-1.4	0.00	-2.1	2.4	48.6	0.0	-7.0	6.4	48.0	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	246.11	-58.8	-1.5	0.0	-1.4	0.00	-2.1	2.4	48.6	0.0	-7.0	0.0	41.6	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	246.11	-58.8	-1.5	0.0	-1.4	0.00	-2.1	2.4	48.6	0.0	-7.0	0.0	41.6	
Receiver LT-4 FIG Leq,d 53.8 dB(A) Leq,n 52.5 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	230.09	-58.2	-1.7	0.0	-1.2	0.00	0.0	1.0	59.8	0.0	-8.3	5.6	57.2	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	230.09	-58.2	-1.7	0.0	-1.2	0.00	0.0	1.0	59.8	0.0	-7.8	0.0	52.1	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	230.09	-58.2	-1.7	0.0	-1.2	0.00	0.0	1.0	59.8	0.0	-9.3	0.0	50.5	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	191.27	-56.6	-2.1	0.0	-1.1	0.00	0.0	0.8	54.3	0.0	-8.3	5.6	51.7	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	191.27	-56.6	-2.1	0.0	-1.1	0.00	0.0	0.8	54.3	0.0	-7.8	0.0	46.6	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	191.27	-56.6	-2.1	0.0	-1.1	0.00	0.0	0.8	54.3	0.0	-9.3	0.0	45.0	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	300.70	-60.6	-1.5	0.0	-1.6	0.00	-0.1	0.7	46.9	0.0	-7.0	6.4	46.3	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	300.70	-60.6	-1.5	0.0	-1.6	0.00	-0.1	0.7	46.9	0.0	-7.0	0.0	39.9	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	300.70	-60.6	-1.5	0.0	-1.6	0.00	-0.1	0.7	46.9	0.0	-7.0	0.0	39.9	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	280.28	-59.9	-1.5	0.0	-1.5	0.00	-1.9	0.0	45.2	0.0	-7.0	6.4	44.6	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	280.28	-59.9	-1.5	0.0	-1.5	0.00	-1.9	0.0	45.2	0.0	-7.0	0.0	38.2	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	280.28	-59.9	-1.5	0.0	-1.5	0.00	-1.9	0.0	45.2	0.0	-7.0	0.0	38.2	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	196.88	-56.9	-1.5	0.0	-1.2	0.00	-8.9	0.0	41.6	0.0	-7.0	6.4	41.0	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	196.88	-56.9	-1.5	0.0	-1.2	0.00	-8.9	0.0	41.6	0.0	-7.0	0.0	34.6	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	196.88	-56.9	-1.5	0.0	-1.2	0.00	-8.9	0.0	41.6	0.0	-7.0	0.0	34.6	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	220.80	-57.9	-1.5	0.0	-1.3	0.00	-8.8	1.4	41.9	0.0	-7.0	6.4	41.3	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	220.80	-57.9	-1.5	0.0	-1.3	0.00	-8.8	1.4	41.9	0.0	-7.0	0.0	34.9	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	220.80	-57.9	-1.5	0.0	-1.3	0.00	-8.8	1.4	41.9	0.0	-7.0	0.0	34.9	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	237.67	-58.5	-1.5	0.0	-1.3	0.00	-6.8	0.0	41.9	0.0	-7.0	6.4	41.3	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	237.67	-58.5	-1.5	0.0	-1.3	0.00	-6.8	0.0	41.9	0.0	-7.0	0.0	34.9	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	237.67	-58.5	-1.5	0.0	-1.3	0.00	-6.8	0.0	41.9	0.0	-7.0	0.0	34.9	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	289.22	-60.2	-1.5	0.0	-1.6	0.00	-3.7	2.2	45.1	0.0	-7.0	6.4	44.5	

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FHS-08.0 Troy FJUHSD

Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	289.22	-60.2	-1.5	0.0	-1.6	0.00	-3.7	2.2	45.1	0.0	-7.0	0.0	38.1	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	289.22	-60.2	-1.5	0.0	-1.6	0.00	-3.7	2.2	45.1	0.0	-7.0	0.0	38.1	
Receiver LT-5 FI G Leq,d 48.0 dB(A) Leq,n 46.7 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	371.43	-62.4	-1.7	0.0	-1.7	0.00	0.0	0.0	54.2	0.0	-8.3	5.6	51.6	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	371.43	-62.4	-1.7	0.0	-1.7	0.00	0.0	0.0	54.2	0.0	-7.8	0.0	46.4	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	371.43	-62.4	-1.7	0.0	-1.7	0.00	0.0	0.0	54.2	0.0	-9.3	0.0	44.9	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	338.86	-61.6	-2.1	0.0	-1.8	0.00	0.0	0.0	47.9	0.0	-8.3	5.6	45.2	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	338.86	-61.6	-2.1	0.0	-1.8	0.00	0.0	0.0	47.9	0.0	-7.8	0.0	40.1	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	338.86	-61.6	-2.1	0.0	-1.8	0.00	0.0	0.0	47.9	0.0	-9.3	0.0	38.6	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	441.48	-63.9	-1.5	0.0	-2.2	0.00	-0.7	0.0	41.6	0.0	-7.0	6.4	41.1	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	441.48	-63.9	-1.5	0.0	-2.2	0.00	-0.7	0.0	41.6	0.0	-7.0	0.0	34.6	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	441.48	-63.9	-1.5	0.0	-2.2	0.00	-0.7	0.0	41.6	0.0	-7.0	0.0	34.6	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	435.48	-63.8	-1.5	0.0	-2.2	0.00	-1.3	0.0	41.2	0.0	-7.0	6.4	40.6	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	435.48	-63.8	-1.5	0.0	-2.2	0.00	-1.3	0.0	41.2	0.0	-7.0	0.0	34.2	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	435.48	-63.8	-1.5	0.0	-2.2	0.00	-1.3	0.0	41.2	0.0	-7.0	0.0	34.2	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	351.69	-61.9	-1.5	0.0	-1.8	0.00	-8.7	0.0	36.0	0.0	-7.0	6.4	35.4	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	351.69	-61.9	-1.5	0.0	-1.8	0.00	-8.7	0.0	36.0	0.0	-7.0	0.0	29.0	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	351.69	-61.9	-1.5	0.0	-1.8	0.00	-8.7	0.0	36.0	0.0	-7.0	0.0	29.0	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	354.24	-62.0	-1.5	0.0	-1.9	0.00	-8.6	0.1	36.1	0.0	-7.0	6.4	35.5	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	354.24	-62.0	-1.5	0.0	-1.9	0.00	-8.6	0.1	36.1	0.0	-7.0	0.0	29.1	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	354.24	-62.0	-1.5	0.0	-1.9	0.00	-8.6	0.1	36.1	0.0	-7.0	0.0	29.1	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	397.71	-63.0	-1.5	0.0	-2.0	0.00	-6.3	0.0	37.2	0.0	-7.0	6.4	36.6	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	397.71	-63.0	-1.5	0.0	-2.0	0.00	-6.3	0.0	37.2	0.0	-7.0	0.0	30.2	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	397.71	-63.0	-1.5	0.0	-2.0	0.00	-6.3	0.0	37.2	0.0	-7.0	0.0	30.2	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	412.70	-63.3	-1.5	-3.3	-1.7	0.00	-4.5	0.1	35.8	0.0	-7.0	6.4	35.2	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	412.70	-63.3	-1.5	-3.3	-1.7	0.00	-4.5	0.1	35.8	0.0	-7.0	0.0	28.8	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	412.70	-63.3	-1.5	-3.3	-1.7	0.00	-4.5	0.1	35.8	0.0	-7.0	0.0	28.8	
Receiver R-1 FI G Leq,d 45.7 dB(A) Leq,n 44.5 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	385.48	-62.7	-1.2	-4.2	-1.0	0.00	0.0	0.0	50.9	0.0	-8.3	5.6	48.2	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	385.48	-62.7	-1.2	-4.2	-1.0	0.00	0.0	0.0	50.9	0.0	-7.8	0.0	43.1	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	385.48	-62.7	-1.2	-4.2	-1.0	0.00	0.0	0.0	50.9	0.0	-9.3	0.0	41.6	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	367.29	-62.3	-1.0	-2.0	-1.4	0.00	0.0	0.2	46.9	0.0	-8.3	5.6	44.2	

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Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w	Lw	I or A	KI	KT	DO	S	Adiv	Agr	Abar	Aatm	Amisc	ADI	dLrefl	Ls	Cmet	dLw	ZR	Lr	
			dB(A)	dB(A)	m,m²	dB	dB	dB	m	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB	dB(A)	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	367.29	-62.3	-1.0	-2.0	-1.4	0.00	0.0	0.2	46.9	0.0	-7.8	0.0	39.1	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	367.29	-62.3	-1.0	-2.0	-1.4	0.00	0.0	0.2	46.9	0.0	-9.3	0.0	37.5	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	446.39	-64.0	-0.6	-4.8	-1.6	0.00	-1.9	0.0	37.2	0.0	-7.0	6.4	36.6	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	446.39	-64.0	-0.6	-4.8	-1.6	0.00	-1.9	0.0	37.2	0.0	-7.0	0.0	30.2	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	446.39	-64.0	-0.6	-4.8	-1.6	0.00	-1.9	0.0	37.2	0.0	-7.0	0.0	30.2	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	468.84	-64.4	-0.6	0.0	-2.0	0.00	-0.2	0.0	42.8	0.0	-7.0	6.4	42.2	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	468.84	-64.4	-0.6	0.0	-2.0	0.00	-0.2	0.0	42.8	0.0	-7.0	0.0	35.8	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	468.84	-64.4	-0.6	0.0	-2.0	0.00	-0.2	0.0	42.8	0.0	-7.0	0.0	35.8	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	392.08	-62.9	-0.6	-2.7	-1.5	0.00	-6.9	0.0	35.5	0.0	-7.0	6.4	34.9	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	392.08	-62.9	-0.6	-2.7	-1.5	0.00	-6.9	0.0	35.5	0.0	-7.0	0.0	28.5	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	392.08	-62.9	-0.6	-2.7	-1.5	0.00	-6.9	0.0	35.5	0.0	-7.0	0.0	28.5	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	359.67	-62.1	-0.6	-4.5	-1.4	0.00	-5.2	0.0	36.3	0.0	-7.0	6.4	35.7	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	359.67	-62.1	-0.6	-4.5	-1.4	0.00	-5.2	0.0	36.3	0.0	-7.0	0.0	29.3	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	359.67	-62.1	-0.6	-4.5	-1.4	0.00	-5.2	0.0	36.3	0.0	-7.0	0.0	29.3	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	449.79	-64.1	-0.6	-3.2	-2.2	0.00	-3.7	1.8	38.0	0.0	-7.0	6.4	37.5	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	449.79	-64.1	-0.6	-3.2	-2.2	0.00	-3.7	1.8	38.0	0.0	-7.0	0.0	31.0	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	449.79	-64.1	-0.6	-3.2	-2.2	0.00	-3.7	1.8	38.0	0.0	-7.0	0.0	31.0	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	396.76	-63.0	-0.6	-3.6	-1.6	0.00	-5.8	0.0	35.5	0.0	-7.0	6.4	34.9	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	396.76	-63.0	-0.6	-3.6	-1.6	0.00	-5.8	0.0	35.5	0.0	-7.0	0.0	28.5	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	396.76	-63.0	-0.6	-3.6	-1.6	0.00	-5.8	0.0	35.5	0.0	-7.0	0.0	28.5	
Receiver R-2 FI G Leq,d 47.9 dB(A) Leq,n 46.6 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	378.07	-62.5	-1.5	0.0	-1.7	0.00	0.0	0.0	54.2	0.0	-8.3	5.6	51.5	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	378.07	-62.5	-1.5	0.0	-1.7	0.00	0.0	0.0	54.2	0.0	-7.8	0.0	46.4	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	378.07	-62.5	-1.5	0.0	-1.7	0.00	0.0	0.0	54.2	0.0	-9.3	0.0	44.9	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	355.42	-62.0	-1.8	-0.4	-1.7	0.00	0.0	0.1	47.5	0.0	-8.3	5.6	44.9	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	355.42	-62.0	-1.8	-0.4	-1.7	0.00	0.0	0.1	47.5	0.0	-7.8	0.0	39.7	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	355.42	-62.0	-1.8	-0.4	-1.7	0.00	0.0	0.1	47.5	0.0	-9.3	0.0	38.2	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	442.64	-63.9	-1.3	0.0	-2.1	0.00	-1.8	0.0	40.9	0.0	-7.0	6.4	40.3	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	442.64	-63.9	-1.3	0.0	-2.1	0.00	-1.8	0.0	40.9	0.0	-7.0	0.0	33.9	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	442.64	-63.9	-1.3	0.0	-2.1	0.00	-1.8	0.0	40.9	0.0	-7.0	0.0	33.9	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	457.02	-64.2	-1.3	0.0	-2.2	0.00	-0.4	0.0	41.9	0.0	-7.0	6.4	41.3	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	457.02	-64.2	-1.3	0.0	-2.2	0.00	-0.4	0.0	41.9	0.0	-7.0	0.0	34.9	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	457.02	-64.2	-1.3	0.0	-2.2	0.00	-0.4	0.0	41.9	0.0	-7.0	0.0	34.9	

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Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	377.19	-62.5	-1.3	-1.9	-1.6	0.00	-7.5	0.0	35.3	0.0	-7.0	6.4	34.7	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	377.19	-62.5	-1.3	-1.9	-1.6	0.00	-7.5	0.0	35.3	0.0	-7.0	0.0	28.3	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	377.19	-62.5	-1.3	-1.9	-1.6	0.00	-7.5	0.0	35.3	0.0	-7.0	0.0	28.3	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	354.37	-62.0	-1.3	0.0	-1.8	0.00	-7.3	0.0	37.6	0.0	-7.0	6.4	37.1	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	354.37	-62.0	-1.3	0.0	-1.8	0.00	-7.3	0.0	37.6	0.0	-7.0	0.0	30.7	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	354.37	-62.0	-1.3	0.0	-1.8	0.00	-7.3	0.0	37.6	0.0	-7.0	0.0	30.7	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	432.41	-63.7	-1.3	-3.0	-1.7	0.00	-4.1	0.3	36.4	0.0	-7.0	6.4	35.8	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	432.41	-63.7	-1.3	-3.0	-1.7	0.00	-4.1	0.3	36.4	0.0	-7.0	0.0	29.4	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	432.41	-63.7	-1.3	-3.0	-1.7	0.00	-4.1	0.3	36.4	0.0	-7.0	0.0	29.4	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	398.60	-63.0	-1.3	-3.6	-1.6	0.00	-5.5	0.0	34.9	0.0	-7.0	6.4	34.4	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	398.60	-63.0	-1.3	-3.6	-1.6	0.00	-5.5	0.0	34.9	0.0	-7.0	0.0	28.0	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	398.60	-63.0	-1.3	-3.6	-1.6	0.00	-5.5	0.0	34.9	0.0	-7.0	0.0	28.0	
Receiver R-3 FI G Leq,d 48.2 dB(A) Leq,n 46.9 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	364.86	-62.2	-1.7	0.0	-1.7	0.00	0.0	0.0	54.4	0.0	-8.3	5.6	51.8	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	364.86	-62.2	-1.7	0.0	-1.7	0.00	0.0	0.0	54.4	0.0	-7.8	0.0	46.6	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	364.86	-62.2	-1.7	0.0	-1.7	0.00	0.0	0.0	54.4	0.0	-9.3	0.0	45.1	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	334.61	-61.5	-2.1	0.0	-1.8	0.00	0.0	0.0	48.0	0.0	-8.3	5.6	45.4	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	334.61	-61.5	-2.1	0.0	-1.8	0.00	0.0	0.0	48.0	0.0	-7.8	0.0	40.2	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	334.61	-61.5	-2.1	0.0	-1.8	0.00	0.0	0.0	48.0	0.0	-9.3	0.0	38.7	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	434.06	-63.7	-1.5	0.0	-2.2	0.00	-1.0	0.0	41.6	0.0	-7.0	6.4	41.0	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	434.06	-63.7	-1.5	0.0	-2.2	0.00	-1.0	0.0	41.6	0.0	-7.0	0.0	34.6	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	434.06	-63.7	-1.5	0.0	-2.2	0.00	-1.0	0.0	41.6	0.0	-7.0	0.0	34.6	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	433.06	-63.7	-1.5	0.0	-2.2	0.00	-1.0	0.0	41.5	0.0	-7.0	6.4	40.9	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	433.06	-63.7	-1.5	0.0	-2.2	0.00	-1.0	0.0	41.5	0.0	-7.0	0.0	34.5	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	433.06	-63.7	-1.5	0.0	-2.2	0.00	-1.0	0.0	41.5	0.0	-7.0	0.0	34.5	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	349.73	-61.9	-1.5	0.0	-1.8	0.00	-8.7	0.0	36.1	0.0	-7.0	6.4	35.5	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	349.73	-61.9	-1.5	0.0	-1.8	0.00	-8.7	0.0	36.1	0.0	-7.0	0.0	29.1	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	349.73	-61.9	-1.5	0.0	-1.8	0.00	-8.7	0.0	36.1	0.0	-7.0	0.0	29.1	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	345.97	-61.8	-1.5	0.0	-1.8	0.00	-8.5	0.0	36.4	0.0	-7.0	6.4	35.8	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	345.97	-61.8	-1.5	0.0	-1.8	0.00	-8.5	0.0	36.4	0.0	-7.0	0.0	29.4	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	345.97	-61.8	-1.5	0.0	-1.8	0.00	-8.5	0.0	36.4	0.0	-7.0	0.0	29.4	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	398.52	-63.0	-1.5	0.0	-2.0	0.00	-5.9	0.0	37.5	0.0	-7.0	6.4	36.9	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	398.52	-63.0	-1.5	0.0	-2.0	0.00	-5.9	0.0	37.5	0.0	-7.0	0.0	30.5	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	398.52	-63.0	-1.5	0.0	-2.0	0.00	-5.9	0.0	37.5	0.0	-7.0	0.0	30.5	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	401.58	-63.1	-1.5	-3.4	-1.7	0.00	-4.7	0.0	35.6	0.0	-7.0	6.4	35.1	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	401.58	-63.1	-1.5	-3.4	-1.7	0.00	-4.7	0.0	35.6	0.0	-7.0	0.0	28.7	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	401.58	-63.1	-1.5	-3.4	-1.7	0.00	-4.7	0.0	35.6	0.0	-7.0	0.0	28.7	
Receiver ST-1 FI G Leq,d 62.1 dB(A) Leq,n 61.2 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	119.82	-52.6	-1.7	0.0	-0.7	0.00	0.0	2.1	67.1	0.0	-8.3	5.6	64.4	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	119.82	-52.6	-1.7	0.0	-0.7	0.00	0.0	2.1	67.1	0.0	-7.8	0.0	59.3	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	119.82	-52.6	-1.7	0.0	-0.7	0.00	0.0	2.1	67.1	0.0	-9.3	0.0	57.8	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	117.27	-52.4	-2.0	0.0	-0.7	0.00	0.0	2.6	60.8	0.0	-8.3	5.6	58.2	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	117.27	-52.4	-2.0	0.0	-0.7	0.00	0.0	2.6	60.8	0.0	-7.8	0.0	53.1	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	117.27	-52.4	-2.0	0.0	-0.7	0.00	0.0	2.6	60.8	0.0	-9.3	0.0	51.5	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	121.59	-52.7	-1.4	0.0	-0.8	0.00	-4.3	2.3	53.2	0.0	-7.0	6.4	52.6	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	121.59	-52.7	-1.4	0.0	-0.8	0.00	-4.3	2.3	53.2	0.0	-7.0	0.0	46.2	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	121.59	-52.7	-1.4	0.0	-0.8	0.00	-4.3	2.3	53.2	0.0	-7.0	0.0	46.2	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	38.46	-42.7	-0.9	0.0	-0.3	0.00	-8.2	2.1	60.1	0.0	-7.0	6.4	59.5	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	38.46	-42.7	-0.9	0.0	-0.3	0.00	-8.2	2.1	60.1	0.0	-7.0	0.0	53.1	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	38.46	-42.7	-0.9	0.0	-0.3	0.00	-8.2	2.1	60.1	0.0	-7.0	0.0	53.1	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	90.35	-50.1	-1.3	0.0	-0.6	0.00	-4.8	2.1	55.3	0.0	-7.0	6.4	54.7	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	90.35	-50.1	-1.3	0.0	-0.6	0.00	-4.8	2.1	55.3	0.0	-7.0	0.0	48.3	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	90.35	-50.1	-1.3	0.0	-0.6	0.00	-4.8	2.1	55.3	0.0	-7.0	0.0	48.3	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	149.28	-54.5	-1.5	0.0	-0.9	0.00	-1.7	2.4	53.8	0.0	-7.0	6.4	53.3	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	149.28	-54.5	-1.5	0.0	-0.9	0.00	-1.7	2.4	53.8	0.0	-7.0	0.0	46.9	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	149.28	-54.5	-1.5	0.0	-0.9	0.00	-1.7	2.4	53.8	0.0	-7.0	0.0	46.9	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	41.19	-43.3	-0.9	0.0	-0.3	0.00	-6.1	0.0	59.4	0.0	-7.0	6.4	58.8	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	41.19	-43.3	-0.9	0.0	-0.3	0.00	-6.1	0.0	59.4	0.0	-7.0	0.0	52.4	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	41.19	-43.3	-0.9	0.0	-0.3	0.00	-6.1	0.0	59.4	0.0	-7.0	0.0	52.4	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	181.14	-56.2	-1.5	0.0	-1.1	0.00	-0.3	2.7	53.6	0.0	-7.0	6.4	53.0	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	181.14	-56.2	-1.5	0.0	-1.1	0.00	-0.3	2.7	53.6	0.0	-7.0	0.0	46.6	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	181.14	-56.2	-1.5	0.0	-1.1	0.00	-0.3	2.7	53.6	0.0	-7.0	0.0	46.6	
Receiver ST-2 FI G Leq,d 62.3 dB(A) Leq,n 61.3 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	107.20	-51.6	-1.8	0.0	-0.7	0.00	0.0	1.5	67.5	0.0	-8.3	5.6	64.8	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	107.20	-51.6	-1.8	0.0	-0.7	0.00	0.0	1.5	67.5	0.0	-7.8	0.0	59.7	

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Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w	Lw	I or A	KI	KT	DO	S	Adiv	Agr	Abar	Aatm	Amisc	ADI	dLrefl	Ls	Cmet	dLw	ZR	Lr	
			dB(A)	dB(A)	m,m²	dB	dB	dB	m	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB	dB(A)	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	107.20	-51.6	-1.8	0.0	-0.7	0.00	0.0	1.5	67.5	0.0	-9.3	0.0	58.2	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	67.04	-47.5	-1.9	-1.9	-0.4	0.00	0.0	0.7	62.4	0.0	-8.3	5.6	59.7	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	67.04	-47.5	-1.9	-1.9	-0.4	0.00	0.0	0.7	62.4	0.0	-7.8	0.0	54.6	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	67.04	-47.5	-1.9	-1.9	-0.4	0.00	0.0	0.7	62.4	0.0	-9.3	0.0	53.1	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	150.43	-54.5	-1.5	0.0	-0.9	0.00	-1.3	3.2	55.0	0.0	-7.0	6.4	54.5	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	150.43	-54.5	-1.5	0.0	-0.9	0.00	-1.3	3.2	55.0	0.0	-7.0	0.0	48.1	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	150.43	-54.5	-1.5	0.0	-0.9	0.00	-1.3	3.2	55.0	0.0	-7.0	0.0	48.1	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	90.60	-50.1	-1.3	0.0	-0.6	0.00	-4.4	1.0	54.6	0.0	-7.0	6.4	54.0	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	90.60	-50.1	-1.3	0.0	-0.6	0.00	-4.4	1.0	54.6	0.0	-7.0	0.0	47.6	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	90.60	-50.1	-1.3	0.0	-0.6	0.00	-4.4	1.0	54.6	0.0	-7.0	0.0	47.6	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	43.94	-43.8	-1.0	0.0	-0.3	0.00	-8.4	0.8	57.2	0.0	-7.0	6.4	56.6	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	43.94	-43.8	-1.0	0.0	-0.3	0.00	-8.4	0.8	57.2	0.0	-7.0	0.0	50.2	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	43.94	-43.8	-1.0	0.0	-0.3	0.00	-8.4	0.8	57.2	0.0	-7.0	0.0	50.2	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	128.22	-53.2	-1.4	0.0	-0.8	0.00	-5.0	1.7	51.3	0.0	-7.0	6.4	50.7	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	128.22	-53.2	-1.4	0.0	-0.8	0.00	-5.0	1.7	51.3	0.0	-7.0	0.0	44.3	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	128.22	-53.2	-1.4	0.0	-0.8	0.00	-5.0	1.7	51.3	0.0	-7.0	0.0	44.3	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	37.23	-42.4	-0.9	0.0	-0.2	0.00	-6.8	0.2	59.8	0.0	-7.0	6.4	59.3	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	37.23	-42.4	-0.9	0.0	-0.2	0.00	-6.8	0.2	59.8	0.0	-7.0	0.0	52.9	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	37.23	-42.4	-0.9	0.0	-0.2	0.00	-6.8	0.2	59.8	0.0	-7.0	0.0	52.9	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	186.41	-56.4	-1.5	0.0	-1.1	0.00	-0.2	1.9	52.7	0.0	-7.0	6.4	52.1	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	186.41	-56.4	-1.5	0.0	-1.1	0.00	-0.2	1.9	52.7	0.0	-7.0	0.0	45.7	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	186.41	-56.4	-1.5	0.0	-1.1	0.00	-0.2	1.9	52.7	0.0	-7.0	0.0	45.7	
Receiver ST-3 FI G Leq,d 56.9 dB(A) Leq,n 55.6 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	171.13	-55.7	-1.7	0.0	-1.0	0.00	0.0	1.0	62.6	0.0	-8.3	5.6	60.0	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	171.13	-55.7	-1.7	0.0	-1.0	0.00	0.0	1.0	62.6	0.0	-7.8	0.0	54.8	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	171.13	-55.7	-1.7	0.0	-1.0	0.00	0.0	1.0	62.6	0.0	-9.3	0.0	53.3	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	126.93	-53.1	-2.1	0.0	-0.8	0.00	0.0	1.2	58.7	0.0	-8.3	5.6	56.0	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	126.93	-53.1	-2.1	0.0	-0.8	0.00	0.0	1.2	58.7	0.0	-7.8	0.0	50.9	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	126.93	-53.1	-2.1	0.0	-0.8	0.00	0.0	1.2	58.7	0.0	-9.3	0.0	49.4	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	238.70	-58.5	-1.5	0.0	-1.4	0.00	0.0	0.8	49.3	0.0	-7.0	6.4	48.7	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	238.70	-58.5	-1.5	0.0	-1.4	0.00	0.0	0.8	49.3	0.0	-7.0	0.0	42.3	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	238.70	-58.5	-1.5	0.0	-1.4	0.00	0.0	0.8	49.3	0.0	-7.0	0.0	42.3	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	205.29	-57.2	-1.5	-2.3	-0.9	0.00	-2.3	0.0	45.7	0.0	-7.0	6.4	45.1	

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FHS-08.0 Troy FJUHSD

Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w	Lw	I or A	KI	KT	DO	S	Adiv	Agr	Abar	Aatm	Amisc	ADI	dLrefl	Ls	Cmet	dLw	ZR	Lr	
			dB(A)	dB(A)	m,m²	dB	dB	dB	m	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB	dB(A)	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	205.29	-57.2	-1.5	-2.3	-0.9	0.00	-2.3	0.0	45.7	0.0	-7.0	0.0	38.7	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	205.29	-57.2	-1.5	-2.3	-0.9	0.00	-2.3	0.0	45.7	0.0	-7.0	0.0	38.7	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	124.67	-52.9	-1.4	0.0	-0.8	0.00	-8.2	1.3	48.0	0.0	-7.0	6.4	47.4	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	124.67	-52.9	-1.4	0.0	-0.8	0.00	-8.2	1.3	48.0	0.0	-7.0	0.0	41.0	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	124.67	-52.9	-1.4	0.0	-0.8	0.00	-8.2	1.3	48.0	0.0	-7.0	0.0	41.0	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	171.17	-55.7	-1.5	0.0	-1.0	0.00	-8.3	1.5	45.0	0.0	-7.0	6.4	44.4	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	171.17	-55.7	-1.5	0.0	-1.0	0.00	-8.3	1.5	45.0	0.0	-7.0	0.0	38.0	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	171.17	-55.7	-1.5	0.0	-1.0	0.00	-8.3	1.5	45.0	0.0	-7.0	0.0	38.0	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	158.15	-55.0	-1.5	0.0	-1.0	0.00	-7.1	0.2	45.6	0.0	-7.0	6.4	45.0	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	158.15	-55.0	-1.5	0.0	-1.0	0.00	-7.1	0.2	45.6	0.0	-7.0	0.0	38.6	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	158.15	-55.0	-1.5	0.0	-1.0	0.00	-7.1	0.2	45.6	0.0	-7.0	0.0	38.6	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	242.79	-58.7	-1.5	0.0	-1.4	0.00	-2.2	2.0	48.2	0.0	-7.0	6.4	47.6	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	242.79	-58.7	-1.5	0.0	-1.4	0.00	-2.2	2.0	48.2	0.0	-7.0	0.0	41.2	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	242.79	-58.7	-1.5	0.0	-1.4	0.00	-2.2	2.0	48.2	0.0	-7.0	0.0	41.2	
Receiver ST-4 FI G Leq,d 53.3 dB(A) Leq,n 52.0 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	223.96	-58.0	-1.7	0.0	-1.2	0.00	0.0	0.2	59.3	0.0	-8.3	5.6	56.6	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	223.96	-58.0	-1.7	0.0	-1.2	0.00	0.0	0.2	59.3	0.0	-7.8	0.0	51.5	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	223.96	-58.0	-1.7	0.0	-1.2	0.00	0.0	0.2	59.3	0.0	-9.3	0.0	50.0	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	185.48	-56.4	-2.1	0.0	-1.1	0.00	0.0	0.4	54.3	0.0	-8.3	5.6	51.6	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	185.48	-56.4	-2.1	0.0	-1.1	0.00	0.0	0.4	54.3	0.0	-7.8	0.0	46.5	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	185.48	-56.4	-2.1	0.0	-1.1	0.00	0.0	0.4	54.3	0.0	-9.3	0.0	45.0	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	294.62	-60.4	-1.5	0.0	-1.6	0.00	-0.1	0.0	46.4	0.0	-7.0	6.4	45.8	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	294.62	-60.4	-1.5	0.0	-1.6	0.00	-0.1	0.0	46.4	0.0	-7.0	0.0	39.4	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	294.62	-60.4	-1.5	0.0	-1.6	0.00	-0.1	0.0	46.4	0.0	-7.0	0.0	39.4	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	275.14	-59.8	-1.5	0.0	-1.5	0.00	-1.8	0.0	45.4	0.0	-7.0	6.4	44.8	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	275.14	-59.8	-1.5	0.0	-1.5	0.00	-1.8	0.0	45.4	0.0	-7.0	0.0	38.4	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	275.14	-59.8	-1.5	0.0	-1.5	0.00	-1.8	0.0	45.4	0.0	-7.0	0.0	38.4	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	191.60	-56.6	-1.5	0.0	-1.1	0.00	-8.9	0.0	41.8	0.0	-7.0	6.4	41.2	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	191.60	-56.6	-1.5	0.0	-1.1	0.00	-8.9	0.0	41.8	0.0	-7.0	0.0	34.8	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	191.60	-56.6	-1.5	0.0	-1.1	0.00	-8.9	0.0	41.8	0.0	-7.0	0.0	34.8	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	214.42	-57.6	-1.5	0.0	-1.2	0.00	-8.9	0.5	41.2	0.0	-7.0	6.4	40.7	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	214.42	-57.6	-1.5	0.0	-1.2	0.00	-8.9	0.5	41.2	0.0	-7.0	0.0	34.2	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	214.42	-57.6	-1.5	0.0	-1.2	0.00	-8.9	0.5	41.2	0.0	-7.0	0.0	34.2	

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Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	233.34	-58.4	-1.5	0.0	-1.3	0.00	-6.7	0.0	42.1	0.0	-7.0	6.4	41.5	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	233.34	-58.4	-1.5	0.0	-1.3	0.00	-6.7	0.0	42.1	0.0	-7.0	0.0	35.1	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	233.34	-58.4	-1.5	0.0	-1.3	0.00	-6.7	0.0	42.1	0.0	-7.0	0.0	35.1	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	282.72	-60.0	-1.5	0.0	-1.5	0.00	-3.8	0.9	44.1	0.0	-7.0	6.4	43.5	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	282.72	-60.0	-1.5	0.0	-1.5	0.00	-3.8	0.9	44.1	0.0	-7.0	0.0	37.1	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	282.72	-60.0	-1.5	0.0	-1.5	0.00	-3.8	0.9	44.1	0.0	-7.0	0.0	37.1	
Receiver ST-5 FI G Leq,d 47.9 dB(A) Leq,n 46.6 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	378.65	-62.6	-1.7	0.0	-1.8	0.00	0.0	0.0	54.0	0.0	-8.3	5.6	51.4	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	378.65	-62.6	-1.7	0.0	-1.8	0.00	0.0	0.0	54.0	0.0	-7.8	0.0	46.2	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	378.65	-62.6	-1.7	0.0	-1.8	0.00	0.0	0.0	54.0	0.0	-9.3	0.0	44.7	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	346.15	-61.8	-2.1	0.0	-1.9	0.00	0.0	0.1	47.7	0.0	-8.3	5.6	45.1	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	346.15	-61.8	-2.1	0.0	-1.9	0.00	0.0	0.1	47.7	0.0	-7.8	0.0	39.9	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	346.15	-61.8	-2.1	0.0	-1.9	0.00	0.0	0.1	47.7	0.0	-9.3	0.0	38.4	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	448.63	-64.0	-1.5	0.0	-2.2	0.00	-0.7	0.6	42.0	0.0	-7.0	6.4	41.4	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	448.63	-64.0	-1.5	0.0	-2.2	0.00	-0.7	0.6	42.0	0.0	-7.0	0.0	35.0	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	448.63	-64.0	-1.5	0.0	-2.2	0.00	-0.7	0.6	42.0	0.0	-7.0	0.0	35.0	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	442.97	-63.9	-1.5	0.0	-2.2	0.00	-1.3	0.0	41.0	0.0	-7.0	6.4	40.5	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	442.97	-63.9	-1.5	0.0	-2.2	0.00	-1.3	0.0	41.0	0.0	-7.0	0.0	34.1	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	442.97	-63.9	-1.5	0.0	-2.2	0.00	-1.3	0.0	41.0	0.0	-7.0	0.0	34.1	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	359.20	-62.1	-1.5	0.0	-1.9	0.00	-8.7	0.0	35.8	0.0	-7.0	6.4	35.2	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	359.20	-62.1	-1.5	0.0	-1.9	0.00	-8.7	0.0	35.8	0.0	-7.0	0.0	28.8	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	359.20	-62.1	-1.5	0.0	-1.9	0.00	-8.7	0.0	35.8	0.0	-7.0	0.0	28.8	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	361.29	-62.1	-1.5	0.0	-1.9	0.00	-8.6	0.1	36.0	0.0	-7.0	6.4	35.4	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	361.29	-62.1	-1.5	0.0	-1.9	0.00	-8.6	0.1	36.0	0.0	-7.0	0.0	29.0	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	361.29	-62.1	-1.5	0.0	-1.9	0.00	-8.6	0.1	36.0	0.0	-7.0	0.0	29.0	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	405.28	-63.1	-1.5	0.0	-2.1	0.00	-6.3	0.0	37.0	0.0	-7.0	6.4	36.4	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	405.28	-63.1	-1.5	0.0	-2.1	0.00	-6.3	0.0	37.0	0.0	-7.0	0.0	30.0	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	405.28	-63.1	-1.5	0.0	-2.1	0.00	-6.3	0.0	37.0	0.0	-7.0	0.0	30.0	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	419.41	-63.4	-1.5	-3.3	-1.7	0.00	-4.5	0.6	36.1	0.0	-7.0	6.4	35.5	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	419.41	-63.4	-1.5	-3.3	-1.7	0.00	-4.5	0.6	36.1	0.0	-7.0	0.0	29.1	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	419.41	-63.4	-1.5	-3.3	-1.7	0.00	-4.5	0.6	36.1	0.0	-7.0	0.0	29.1	
Receiver ST-6 FI G Leq,d 62.7 dB(A) Leq,n 61.9 dB(A)																						

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Mean propagation Leq - Assembly 2200

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Source	Source type	Time slice	L'w	Lw	I or A	KI	KT	DO	S	Adiv	Agr	Abar	Aatm	Amisc	ADI	dLrefl	Ls	Cmet	dLw	ZR	Lr	
			dB(A)	dB(A)	m,m²	dB	dB	dB	m	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB	dB(A)	
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	104.52	-51.4	-1.8	0.0	-0.7	0.00	0.0	0.6	66.9	0.0	-8.3	5.6	64.2	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	104.52	-51.4	-1.8	0.0	-0.7	0.00	0.0	0.6	66.9	0.0	-7.8	0.0	59.1	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	104.52	-51.4	-1.8	0.0	-0.7	0.00	0.0	0.6	66.9	0.0	-9.3	0.0	57.5	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	103.80	-51.3	-2.0	0.0	-0.7	0.00	0.0	0.5	59.9	0.0	-8.3	5.6	57.3	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	103.80	-51.3	-2.0	0.0	-0.7	0.00	0.0	0.5	59.9	0.0	-7.8	0.0	52.1	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	103.80	-51.3	-2.0	0.0	-0.7	0.00	0.0	0.5	59.9	0.0	-9.3	0.0	50.6	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	108.97	-51.7	-1.4	0.0	-0.7	0.00	-3.8	1.2	53.6	0.0	-7.0	6.4	53.0	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	108.97	-51.7	-1.4	0.0	-0.7	0.00	-3.8	1.2	53.6	0.0	-7.0	0.0	46.6	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	108.97	-51.7	-1.4	0.0	-0.7	0.00	-3.8	1.2	53.6	0.0	-7.0	0.0	46.6	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	27.25	-39.7	-0.7	0.0	-0.2	0.00	-7.3	0.4	62.4	0.0	-7.0	6.4	61.8	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	27.25	-39.7	-0.7	0.0	-0.2	0.00	-7.3	0.4	62.4	0.0	-7.0	0.0	55.4	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	27.25	-39.7	-0.7	0.0	-0.2	0.00	-7.3	0.4	62.4	0.0	-7.0	0.0	55.4	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	78.14	-48.8	-1.3	0.0	-0.5	0.00	-4.2	0.3	55.5	0.0	-7.0	6.4	54.9	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	78.14	-48.8	-1.3	0.0	-0.5	0.00	-4.2	0.3	55.5	0.0	-7.0	0.0	48.5	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	78.14	-48.8	-1.3	0.0	-0.5	0.00	-4.2	0.3	55.5	0.0	-7.0	0.0	48.5	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	133.98	-53.5	-1.4	0.0	-0.8	0.00	-1.7	0.4	52.9	0.0	-7.0	6.4	52.3	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	133.98	-53.5	-1.4	0.0	-0.8	0.00	-1.7	0.4	52.9	0.0	-7.0	0.0	45.9	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	133.98	-53.5	-1.4	0.0	-0.8	0.00	-1.7	0.4	52.9	0.0	-7.0	0.0	45.9	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	38.54	-42.7	-0.9	0.0	-0.3	0.00	-4.0	0.0	62.1	0.0	-7.0	6.4	61.5	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	38.54	-42.7	-0.9	0.0	-0.3	0.00	-4.0	0.0	62.1	0.0	-7.0	0.0	55.1	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	38.54	-42.7	-0.9	0.0	-0.3	0.00	-4.0	0.0	62.1	0.0	-7.0	0.0	55.1	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	166.66	-55.4	-1.5	0.0	-1.0	0.00	-0.3	2.1	54.0	0.0	-7.0	6.4	53.4	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	166.66	-55.4	-1.5	0.0	-1.0	0.00	-0.3	2.1	54.0	0.0	-7.0	0.0	47.0	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	166.66	-55.4	-1.5	0.0	-1.0	0.00	-0.3	2.1	54.0	0.0	-7.0	0.0	47.0	
Receiver ST-7 FI G Leq,d 66.1 dB(A) Leq,n 65.1 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	62.47	-46.9	-1.6	0.0	-0.4	0.00	0.0	0.7	71.9	0.0	-8.3	5.6	69.2	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	62.47	-46.9	-1.6	0.0	-0.4	0.00	0.0	0.7	71.9	0.0	-7.8	0.0	64.1	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	62.47	-46.9	-1.6	0.0	-0.4	0.00	0.0	0.7	71.9	0.0	-9.3	0.0	62.5	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	93.81	-50.4	-1.9	0.0	-0.6	0.00	0.0	0.6	61.1	0.0	-8.3	5.6	58.4	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	93.81	-50.4	-1.9	0.0	-0.6	0.00	0.0	0.6	61.1	0.0	-7.8	0.0	53.3	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	93.81	-50.4	-1.9	0.0	-0.6	0.00	0.0	0.6	61.1	0.0	-9.3	0.0	51.7	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	74.81	-48.5	-1.2	0.0	-0.5	0.00	-4.7	0.8	55.8	0.0	-7.0	6.4	55.3	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	74.81	-48.5	-1.2	0.0	-0.5	0.00	-4.7	0.8	55.8	0.0	-7.0	0.0	48.9	

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Source	Source type	Time slice	L'w	Lw	I or A	KI	KT	DO	S	Adiv	Agr	Abar	Aatm	Amisc	ADI	dLrefl	Ls	Cmet	dLw	ZR	Lr	
			dB(A)	dB(A)	m,m²	dB	dB	dB	m	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB	dB(A)	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	74.81	-48.5	-1.2	0.0	-0.5	0.00	-4.7	0.8	55.8	0.0	-7.0	0.0	48.9	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	138.99	-53.9	-1.4	0.0	-0.9	0.00	-1.7	1.1	53.3	0.0	-7.0	6.4	52.7	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	138.99	-53.9	-1.4	0.0	-0.9	0.00	-1.7	1.1	53.3	0.0	-7.0	0.0	46.3	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	138.99	-53.9	-1.4	0.0	-0.9	0.00	-1.7	1.1	53.3	0.0	-7.0	0.0	46.3	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	127.34	-53.1	-1.4	0.0	-0.8	0.00	-2.3	1.1	53.5	0.0	-7.0	6.4	52.9	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	127.34	-53.1	-1.4	0.0	-0.8	0.00	-2.3	1.1	53.5	0.0	-7.0	0.0	46.5	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	127.34	-53.1	-1.4	0.0	-0.8	0.00	-2.3	1.1	53.5	0.0	-7.0	0.0	46.5	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	48.88	-44.8	-1.0	0.0	-0.3	0.00	-6.0	0.1	57.9	0.0	-7.0	6.4	57.3	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	48.88	-44.8	-1.0	0.0	-0.3	0.00	-6.0	0.1	57.9	0.0	-7.0	0.0	50.9	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	48.88	-44.8	-1.0	0.0	-0.3	0.00	-6.0	0.1	57.9	0.0	-7.0	0.0	50.9	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	171.37	-55.7	-1.5	0.0	-1.0	0.00	-0.1	1.4	53.1	0.0	-7.0	6.4	52.5	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	171.37	-55.7	-1.5	0.0	-1.0	0.00	-0.1	1.4	53.1	0.0	-7.0	0.0	46.1	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	171.37	-55.7	-1.5	0.0	-1.0	0.00	-0.1	1.4	53.1	0.0	-7.0	0.0	46.1	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	24.56	-38.8	-0.7	0.0	-0.2	0.00	-3.8	0.4	67.0	0.0	-7.0	6.4	66.4	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	24.56	-38.8	-0.7	0.0	-0.2	0.00	-3.8	0.4	67.0	0.0	-7.0	0.0	60.0	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	24.56	-38.8	-0.7	0.0	-0.2	0.00	-3.8	0.4	67.0	0.0	-7.0	0.0	60.0	
Receiver ST-8 FI G Leq,d 61.2 dB(A) Leq,n 60.0 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	124.76	-52.9	-1.7	0.0	-0.8	0.00	0.0	2.0	66.6	0.0	-8.3	5.6	63.9	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	124.76	-52.9	-1.7	0.0	-0.8	0.00	0.0	2.0	66.6	0.0	-7.8	0.0	58.8	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	124.76	-52.9	-1.7	0.0	-0.8	0.00	0.0	2.0	66.6	0.0	-9.3	0.0	57.2	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	74.96	-48.5	-1.8	0.0	-0.5	0.00	0.0	0.9	63.5	0.0	-8.3	5.6	60.8	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	74.96	-48.5	-1.8	0.0	-0.5	0.00	0.0	0.9	63.5	0.0	-7.8	0.0	55.7	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	74.96	-48.5	-1.8	0.0	-0.5	0.00	0.0	0.9	63.5	0.0	-9.3	0.0	54.1	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	181.62	-56.2	-1.5	0.0	-1.1	0.00	-0.5	1.1	51.8	0.0	-7.0	6.4	51.3	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	181.62	-56.2	-1.5	0.0	-1.1	0.00	-0.5	1.1	51.8	0.0	-7.0	0.0	44.9	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	181.62	-56.2	-1.5	0.0	-1.1	0.00	-0.5	1.1	51.8	0.0	-7.0	0.0	44.9	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	133.19	-53.5	-1.4	0.0	-0.8	0.00	-3.5	1.9	52.6	0.0	-7.0	6.4	52.0	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	133.19	-53.5	-1.4	0.0	-0.8	0.00	-3.5	1.9	52.6	0.0	-7.0	0.0	45.6	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	133.19	-53.5	-1.4	0.0	-0.8	0.00	-3.5	1.9	52.6	0.0	-7.0	0.0	45.6	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	62.63	-46.9	-1.2	0.0	-0.4	0.00	-7.4	1.9	56.1	0.0	-7.0	6.4	55.5	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	62.63	-46.9	-1.2	0.0	-0.4	0.00	-7.4	1.9	56.1	0.0	-7.0	0.0	49.1	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	62.63	-46.9	-1.2	0.0	-0.4	0.00	-7.4	1.9	56.1	0.0	-7.0	0.0	49.1	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	137.25	-53.7	-1.4	0.0	-0.9	0.00	-6.8	0.1	47.3	0.0	-7.0	6.4	46.7	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	137.25	-53.7	-1.4	0.0	-0.9	0.00	-6.8	0.1	47.3	0.0	-7.0	0.0	40.3	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	137.25	-53.7	-1.4	0.0	-0.9	0.00	-6.8	0.1	47.3	0.0	-7.0	0.0	40.3	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	82.01	-49.3	-1.3	0.0	-0.5	0.00	-7.3	0.0	51.6	0.0	-7.0	6.4	51.0	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	82.01	-49.3	-1.3	0.0	-0.5	0.00	-7.3	0.0	51.6	0.0	-7.0	0.0	44.6	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	82.01	-49.3	-1.3	0.0	-0.5	0.00	-7.3	0.0	51.6	0.0	-7.0	0.0	44.6	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	204.43	-57.2	-1.5	0.0	-1.2	0.00	-0.9	0.0	49.2	0.0	-7.0	6.4	48.6	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	204.43	-57.2	-1.5	0.0	-1.2	0.00	-0.9	0.0	49.2	0.0	-7.0	0.0	42.2	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	204.43	-57.2	-1.5	0.0	-1.2	0.00	-0.9	0.0	49.2	0.0	-7.0	0.0	42.2	
Receiver ST-9 FIG Leq,d 49.6 dB(A) Leq,n 48.3 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	370.21	-62.4	-1.7	0.0	-1.7	0.00	0.0	1.7	56.0	0.0	-8.3	5.6	53.3	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	370.21	-62.4	-1.7	0.0	-1.7	0.00	0.0	1.7	56.0	0.0	-7.8	0.0	48.2	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	370.21	-62.4	-1.7	0.0	-1.7	0.00	0.0	1.7	56.0	0.0	-9.3	0.0	46.6	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	338.18	-61.6	-2.1	0.0	-1.8	0.00	0.0	1.5	49.4	0.0	-8.3	5.6	46.7	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	338.18	-61.6	-2.1	0.0	-1.8	0.00	0.0	1.5	49.4	0.0	-7.8	0.0	41.6	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	338.18	-61.6	-2.1	0.0	-1.8	0.00	0.0	1.5	49.4	0.0	-9.3	0.0	40.0	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	440.07	-63.9	-1.5	0.0	-2.2	0.00	-0.8	2.1	43.8	0.0	-7.0	6.4	43.2	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	440.07	-63.9	-1.5	0.0	-2.2	0.00	-0.8	2.1	43.8	0.0	-7.0	0.0	36.8	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	440.07	-63.9	-1.5	0.0	-2.2	0.00	-0.8	2.1	43.8	0.0	-7.0	0.0	36.8	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	435.32	-63.8	-1.5	0.0	-2.2	0.00	-1.2	0.6	41.9	0.0	-7.0	6.4	41.3	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	435.32	-63.8	-1.5	0.0	-2.2	0.00	-1.2	0.6	41.9	0.0	-7.0	0.0	34.9	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	435.32	-63.8	-1.5	0.0	-2.2	0.00	-1.2	0.6	41.9	0.0	-7.0	0.0	34.9	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	351.61	-61.9	-1.5	0.0	-1.8	0.00	-8.7	0.4	36.4	0.0	-7.0	6.4	35.8	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	351.61	-61.9	-1.5	0.0	-1.8	0.00	-8.7	0.4	36.4	0.0	-7.0	0.0	29.4	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	351.61	-61.9	-1.5	0.0	-1.8	0.00	-8.7	0.4	36.4	0.0	-7.0	0.0	29.4	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	352.58	-61.9	-1.5	0.0	-1.8	0.00	-8.6	1.7	37.8	0.0	-7.0	6.4	37.2	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	352.58	-61.9	-1.5	0.0	-1.8	0.00	-8.6	1.7	37.8	0.0	-7.0	0.0	30.8	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	352.58	-61.9	-1.5	0.0	-1.8	0.00	-8.6	1.7	37.8	0.0	-7.0	0.0	30.8	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	398.34	-63.0	-1.5	0.0	-2.0	0.00	-6.2	0.1	37.4	0.0	-7.0	6.4	36.8	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	398.34	-63.0	-1.5	0.0	-2.0	0.00	-6.2	0.1	37.4	0.0	-7.0	0.0	30.4	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	398.34	-63.0	-1.5	0.0	-2.0	0.00	-6.2	0.1	37.4	0.0	-7.0	0.0	30.4	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	410.35	-63.3	-1.5	-3.3	-1.7	0.00	-4.5	1.4	37.0	0.0	-7.0	6.4	36.4	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	410.35	-63.3	-1.5	-3.3	-1.7	0.00	-4.5	1.4	37.0	0.0	-7.0	0.0	30.0	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	410.35	-63.3	-1.5	-3.3	-1.7	0.00	-4.5	1.4	37.0	0.0	-7.0	0.0	30.0	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Receiver ST-10 FI G Leq,d 53.2 dB(A) Leq,n 51.9 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	229.85	-58.2	-1.7	0.0	-1.2	0.00	0.0	0.4	59.3	0.0	-8.3	5.6	56.6	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	229.85	-58.2	-1.7	0.0	-1.2	0.00	0.0	0.4	59.3	0.0	-7.8	0.0	51.5	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	229.85	-58.2	-1.7	0.0	-1.2	0.00	0.0	0.4	59.3	0.0	-9.3	0.0	50.0	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	191.97	-56.7	-2.1	0.0	-1.1	0.00	0.0	0.4	53.9	0.0	-8.3	5.6	51.2	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	191.97	-56.7	-2.1	0.0	-1.1	0.00	0.0	0.4	53.9	0.0	-7.8	0.0	46.1	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	191.97	-56.7	-2.1	0.0	-1.1	0.00	0.0	0.4	53.9	0.0	-9.3	0.0	44.6	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	300.63	-60.6	-1.5	0.0	-1.6	0.00	-0.2	0.0	46.1	0.0	-7.0	6.4	45.5	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	300.63	-60.6	-1.5	0.0	-1.6	0.00	-0.2	0.0	46.1	0.0	-7.0	0.0	39.1	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	300.63	-60.6	-1.5	0.0	-1.6	0.00	-0.2	0.0	46.1	0.0	-7.0	0.0	39.1	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	282.53	-60.0	-1.5	0.0	-1.5	0.00	-1.7	0.0	45.2	0.0	-7.0	6.4	44.6	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	282.53	-60.0	-1.5	0.0	-1.5	0.00	-1.7	0.0	45.2	0.0	-7.0	0.0	38.2	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	282.53	-60.0	-1.5	0.0	-1.5	0.00	-1.7	0.0	45.2	0.0	-7.0	0.0	38.2	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	198.88	-57.0	-1.5	0.0	-1.2	0.00	-8.9	0.0	41.4	0.0	-7.0	6.4	40.9	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	198.88	-57.0	-1.5	0.0	-1.2	0.00	-8.9	0.0	41.4	0.0	-7.0	0.0	34.5	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	198.88	-57.0	-1.5	0.0	-1.2	0.00	-8.9	0.0	41.4	0.0	-7.0	0.0	34.5	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	219.51	-57.8	-1.5	0.0	-1.3	0.00	-8.9	0.7	41.2	0.0	-7.0	6.4	40.6	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	219.51	-57.8	-1.5	0.0	-1.3	0.00	-8.9	0.7	41.2	0.0	-7.0	0.0	34.2	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	219.51	-57.8	-1.5	0.0	-1.3	0.00	-8.9	0.7	41.2	0.0	-7.0	0.0	34.2	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	241.31	-58.6	-1.5	0.0	-1.4	0.00	-6.6	0.0	41.9	0.0	-7.0	6.4	41.3	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	241.31	-58.6	-1.5	0.0	-1.4	0.00	-6.6	0.0	41.9	0.0	-7.0	0.0	34.9	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	241.31	-58.6	-1.5	0.0	-1.4	0.00	-6.6	0.0	41.9	0.0	-7.0	0.0	34.9	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	287.20	-60.2	-1.5	0.0	-1.6	0.00	-3.9	0.7	43.6	0.0	-7.0	6.4	43.0	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	287.20	-60.2	-1.5	0.0	-1.6	0.00	-3.9	0.7	43.6	0.0	-7.0	0.0	36.6	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	287.20	-60.2	-1.5	0.0	-1.6	0.00	-3.9	0.7	43.6	0.0	-7.0	0.0	36.6	
Receiver ST-11 FI G Leq,d 56.6 dB(A) Leq,n 55.5 dB(A)																						
Band	Area	Ldn	100.7	120.0	84.2	0.0	0.0	0	158.86	-55.0	-1.7	0.0	-0.9	0.00	0.0	0.0	62.3	0.0	-8.3	5.6	59.7	
Band	Area	Leq,d	100.7	120.0	84.2	0.0	0.0	0	158.86	-55.0	-1.7	0.0	-0.9	0.00	0.0	0.0	62.3	0.0	-7.8	0.0	54.6	
Band	Area	Leq,n	100.7	120.0	84.2	0.0	0.0	0	158.86	-55.0	-1.7	0.0	-0.9	0.00	0.0	0.0	62.3	0.0	-9.3	0.0	53.0	
Bleachers	Area	Ldn	83.7	113.4	927.9	0.0	0.0	0	165.09	-55.3	-2.1	-0.8	-1.0	0.00	0.0	1.5	55.6	0.0	-8.3	5.6	53.0	
Bleachers	Area	Leq,d	83.7	113.4	927.9	0.0	0.0	0	165.09	-55.3	-2.1	-0.8	-1.0	0.00	0.0	1.5	55.6	0.0	-7.8	0.0	47.8	
Bleachers	Area	Leq,n	83.7	113.4	927.9	0.0	0.0	0	165.09	-55.3	-2.1	-0.8	-1.0	0.00	0.0	1.5	55.6	0.0	-9.3	0.0	46.3	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
F1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	139.58	-53.9	-1.4	-4.6	-0.5	0.00	-4.8	0.0	44.7	0.0	-7.0	6.4	44.1	
F1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	139.58	-53.9	-1.4	-4.6	-0.5	0.00	-4.8	0.0	44.7	0.0	-7.0	0.0	37.7	
F1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	139.58	-53.9	-1.4	-4.6	-0.5	0.00	-4.8	0.0	44.7	0.0	-7.0	0.0	37.7	
F2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	67.61	-47.6	-1.2	0.0	-0.4	0.00	-7.8	0.0	53.0	0.0	-7.0	6.4	52.4	
F2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	67.61	-47.6	-1.2	0.0	-0.4	0.00	-7.8	0.0	53.0	0.0	-7.0	0.0	46.0	
F2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	67.61	-47.6	-1.2	0.0	-0.4	0.00	-7.8	0.0	53.0	0.0	-7.0	0.0	46.0	
F3 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	139.39	-53.9	-1.4	-3.6	-0.6	0.00	-3.7	3.0	49.8	0.0	-7.0	6.4	49.2	
F3 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	139.39	-53.9	-1.4	-3.6	-0.6	0.00	-3.7	3.0	49.8	0.0	-7.0	0.0	42.8	
F3 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	139.39	-53.9	-1.4	-3.6	-0.6	0.00	-3.7	3.0	49.8	0.0	-7.0	0.0	42.8	
F4 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	188.82	-56.5	-1.5	0.0	-1.1	0.00	-0.9	0.0	49.9	0.0	-7.0	6.4	49.4	
F4 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	188.82	-56.5	-1.5	0.0	-1.1	0.00	-0.9	0.0	49.9	0.0	-7.0	0.0	43.0	
F4 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	188.82	-56.5	-1.5	0.0	-1.1	0.00	-0.9	0.0	49.9	0.0	-7.0	0.0	43.0	
P1 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	89.29	-50.0	-1.3	-7.6	-0.3	0.00	-4.9	1.9	47.9	0.0	-7.0	6.4	47.3	
P1 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	89.29	-50.0	-1.3	-7.6	-0.3	0.00	-4.9	1.9	47.9	0.0	-7.0	0.0	40.9	
P1 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	89.29	-50.0	-1.3	-7.6	-0.3	0.00	-4.9	1.9	47.9	0.0	-7.0	0.0	40.9	
P2 Speaker	Point	Ldn	110.0	110.0		0.0	0.0	0	206.82	-57.3	-1.5	0.0	-1.2	0.00	-1.1	0.1	49.0	0.0	-7.0	6.4	48.5	
P2 Speaker	Point	Leq,d	110.0	110.0		0.0	0.0	0	206.82	-57.3	-1.5	0.0	-1.2	0.00	-1.1	0.1	49.0	0.0	-7.0	0.0	42.0	
P2 Speaker	Point	Leq,n	110.0	110.0		0.0	0.0	0	206.82	-57.3	-1.5	0.0	-1.2	0.00	-1.1	0.1	49.0	0.0	-7.0	0.0	42.0	

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Octave spectra of the sources in dB(A) - Assembly 2200

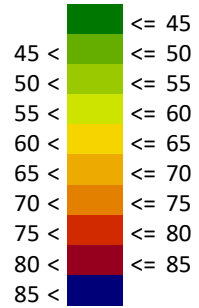
3

Name	Source type	I or A m,m²	Li dB(A)	Rw dB	KI dB	KT dB	LwMax dB(A)	DO-Wall dB	Day histogram	Emission spectrum	63Hz dB(A)	125Hz dB(A)	250Hz dB(A)	500Hz dB(A)	1kHz dB(A)	2kHz dB(A)	4kHz dB(A)	8kHz dB(A)	16kHz dB(A)	
Band	Area	84.18			0.0	0.0		0	School Assembly	Live bands (Pop, Rock, Metal)	105.5	105.0	109.6	114.5	115.3	111.9	107.2	99.7	81.6	
Bleachers	Area	927.91			0.0	0.0		0	School Assembly	American Football, Spectators's area		87.4	102.5	110.3	106.3	106.0	99.6	90.5		
F1 Speaker	Point				0.0	0.0		0	Speaker during Game 12 min 36*20 sec	Average Spectrum from 2022-10-07 Survey	81.7	96.3	99.1	104.7	105.4	102.2	97.0	90.7	69.3	
F2 Speaker	Point				0.0	0.0		0	Speaker during Game 12 min 36*20 sec	Average Spectrum from 2022-10-07 Survey	81.7	96.3	99.1	104.7	105.4	102.2	97.0	90.7	69.3	
F3 Speaker	Point				0.0	0.0		0	Speaker during Game 12 min 36*20 sec	Average Spectrum from 2022-10-07 Survey	81.7	96.3	99.1	104.7	105.4	102.2	97.0	90.7	69.3	
F4 Speaker	Point				0.0	0.0		0	Speaker during Game 12 min 36*20 sec	Average Spectrum from 2022-10-07 Survey	81.7	96.3	99.1	104.7	105.4	102.2	97.0	90.7	69.3	
P1 Speaker	Point				0.0	0.0		0	Speaker during Game 12 min 36*20 sec	Average Spectrum from 2022-10-07 Survey	81.7	96.3	99.1	104.7	105.4	102.2	97.0	90.7	69.3	
P2 Speaker	Point				0.0	0.0		0	Speaker during Game 12 min 36*20 sec	Average Spectrum from 2022-10-07 Survey	81.7	96.3	99.1	104.7	105.4	102.2	97.0	90.7	69.3	

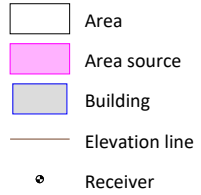
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Noise level
Leq,d
in dB(A)



Signs and symbols



FHS-08.0 Troy
Playfields with 200 spectators



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Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Receiver LT-1 FI G Leq,d 53.4 dB(A) Leq,n 53.4 dB(A)																						
Auxillary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	140.02	-53.9	-4.3	-6.9	-0.3	0.00	0.0	0.0	31.6	0.0	-3.8	6.4	34.2	
Auxillary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	140.02	-53.9	-4.3	-6.9	-0.3	0.00	0.0	0.0	31.6	0.0	-3.8	0.0	27.8	
Auxillary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	140.02	-53.9	-4.3	-6.9	-0.3	0.00	0.0	0.0	31.6	0.0	-3.8	0.0	27.8	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	355.10	-62.0	-4.6	-9.8	-0.7	0.00	0.0	1.4	21.3	0.0	-3.8	6.4	23.9	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	355.10	-62.0	-4.6	-9.8	-0.7	0.00	0.0	1.4	21.3	0.0	-3.8	0.0	17.5	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	355.10	-62.0	-4.6	-9.8	-0.7	0.00	0.0	1.4	21.3	0.0	-3.8	0.0	17.5	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	122.80	-52.8	-2.6	-4.2	-0.8	0.00	0.0	1.6	44.3	0.0	-7.8	6.4	42.9	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	122.80	-52.8	-2.6	-4.2	-0.8	0.00	0.0	1.6	44.3	0.0	-7.8	0.0	36.5	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	122.80	-52.8	-2.6	-4.2	-0.8	0.00	0.0	1.6	44.3	0.0	-7.8	0.0	36.5	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	80.43	-49.1	-3.5	-2.0	-0.1	0.00	0.0	0.2	56.5	0.0	-3.8	6.4	59.1	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	80.43	-49.1	-3.5	-2.0	-0.1	0.00	0.0	0.2	56.5	0.0	-3.8	0.0	52.7	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	80.43	-49.1	-3.5	-2.0	-0.1	0.00	0.0	0.2	56.5	0.0	-3.8	0.0	52.7	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	248.14	-58.9	-4.6	-10.2	-0.5	0.00	0.0	3.9	40.7	0.0	-3.8	6.4	43.3	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	248.14	-58.9	-4.6	-10.2	-0.5	0.00	0.0	3.9	40.7	0.0	-3.8	0.0	36.9	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	248.14	-58.9	-4.6	-10.2	-0.5	0.00	0.0	3.9	40.7	0.0	-3.8	0.0	36.9	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	140.13	-53.9	-4.3	-6.9	-0.3	0.00	0.0	0.0	45.6	0.0	-3.8	6.4	48.2	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	140.13	-53.9	-4.3	-6.9	-0.3	0.00	0.0	0.0	45.6	0.0	-3.8	0.0	41.8	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	140.13	-53.9	-4.3	-6.9	-0.3	0.00	0.0	0.0	45.6	0.0	-3.8	0.0	41.8	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	248.55	-58.9	-4.6	-10.2	-0.5	0.00	0.0	3.9	26.7	0.0	-3.8	6.4	29.3	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	248.55	-58.9	-4.6	-10.2	-0.5	0.00	0.0	3.9	26.7	0.0	-3.8	0.0	22.9	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	248.55	-58.9	-4.6	-10.2	-0.5	0.00	0.0	3.9	26.7	0.0	-3.8	0.0	22.9	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	192.61	-56.7	-4.5	-8.2	-0.4	0.00	0.0	0.0	27.3	0.0	-3.8	6.4	29.9	

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Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	192.61	-56.7	-4.5	-8.2	-0.4	0.00	0.0	0.0	27.3	0.0	-3.8	0.0	23.5	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	192.61	-56.7	-4.5	-8.2	-0.4	0.00	0.0	0.0	27.3	0.0	-3.8	0.0	23.5	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	80.43	-49.1	-3.5	-2.0	-0.1	0.00	0.0	0.2	42.5	0.0	-3.8	6.4	45.1	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	80.43	-49.1	-3.5	-2.0	-0.1	0.00	0.0	0.2	42.5	0.0	-3.8	0.0	38.7	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	80.43	-49.1	-3.5	-2.0	-0.1	0.00	0.0	0.2	42.5	0.0	-3.8	0.0	38.7	
Receiver LT-2 FI G Leq,d 59.0 dB(A) Leq,n 59.0 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	89.38	-50.0	-4.0	-2.5	-0.2	0.00	0.0	2.1	42.4	0.0	-3.8	6.4	45.0	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	89.38	-50.0	-4.0	-2.5	-0.2	0.00	0.0	2.1	42.4	0.0	-3.8	0.0	38.6	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	89.38	-50.0	-4.0	-2.5	-0.2	0.00	0.0	2.1	42.4	0.0	-3.8	0.0	38.6	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	289.03	-60.2	-4.6	0.0	-0.6	0.00	0.0	1.1	32.8	0.0	-3.8	6.4	35.4	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	289.03	-60.2	-4.6	0.0	-0.6	0.00	0.0	1.1	32.8	0.0	-3.8	0.0	29.0	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	289.03	-60.2	-4.6	0.0	-0.6	0.00	0.0	1.1	32.8	0.0	-3.8	0.0	29.0	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	94.30	-50.5	-2.4	0.0	-0.6	0.00	0.0	2.3	51.8	0.0	-7.8	6.4	50.4	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	94.30	-50.5	-2.4	0.0	-0.6	0.00	0.0	2.3	51.8	0.0	-7.8	0.0	44.0	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	94.30	-50.5	-2.4	0.0	-0.6	0.00	0.0	2.3	51.8	0.0	-7.8	0.0	44.0	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	80.01	-49.1	-3.4	0.0	-0.1	0.00	0.0	2.3	60.7	0.0	-3.8	6.4	63.3	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	80.01	-49.1	-3.4	0.0	-0.1	0.00	0.0	2.3	60.7	0.0	-3.8	0.0	56.9	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	80.01	-49.1	-3.4	0.0	-0.1	0.00	0.0	2.3	60.7	0.0	-3.8	0.0	56.9	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	181.90	-56.2	-4.5	0.0	-0.3	0.00	0.0	1.3	51.3	0.0	-3.8	6.4	53.9	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	181.90	-56.2	-4.5	0.0	-0.3	0.00	0.0	1.3	51.3	0.0	-3.8	0.0	47.5	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	181.90	-56.2	-4.5	0.0	-0.3	0.00	0.0	1.3	51.3	0.0	-3.8	0.0	47.5	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	89.49	-50.0	-4.0	-2.5	-0.2	0.00	0.0	2.1	56.4	0.0	-3.8	6.4	59.0	

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FHS-08.0 Troy FJUHSD Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	89.49	-50.0	-4.0	-2.5	-0.2	0.00	0.0	2.1	56.4	0.0	-3.8	0.0	52.6	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	89.49	-50.0	-4.0	-2.5	-0.2	0.00	0.0	2.1	56.4	0.0	-3.8	0.0	52.6	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	182.27	-56.2	-4.5	0.0	-0.3	0.00	0.0	1.3	37.3	0.0	-3.8	6.4	39.9	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	182.27	-56.2	-4.5	0.0	-0.3	0.00	0.0	1.3	37.3	0.0	-3.8	0.0	33.5	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	182.27	-56.2	-4.5	0.0	-0.3	0.00	0.0	1.3	37.3	0.0	-3.8	0.0	33.5	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	136.54	-53.7	-4.4	-1.5	-0.3	0.00	0.0	2.7	39.9	0.0	-3.8	6.4	42.5	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	136.54	-53.7	-4.4	-1.5	-0.3	0.00	0.0	2.7	39.9	0.0	-3.8	0.0	36.1	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	136.54	-53.7	-4.4	-1.5	-0.3	0.00	0.0	2.7	39.9	0.0	-3.8	0.0	36.1	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	80.01	-49.1	-3.4	0.0	-0.1	0.00	0.0	2.3	46.7	0.0	-3.8	6.4	49.3	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	80.01	-49.1	-3.4	0.0	-0.1	0.00	0.0	2.3	46.7	0.0	-3.8	0.0	42.9	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	80.01	-49.1	-3.4	0.0	-0.1	0.00	0.0	2.3	46.7	0.0	-3.8	0.0	42.9	
Receiver LT-3 FIG Leq,d 58.0 dB(A) Leq,n 58.0 dB(A)																						
Auxillary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	114.24	-52.1	-4.2	0.0	-0.2	0.00	0.0	2.4	42.8	0.0	-3.8	6.4	45.4	
Auxillary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	114.24	-52.1	-4.2	0.0	-0.2	0.00	0.0	2.4	42.8	0.0	-3.8	0.0	39.0	
Auxillary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	114.24	-52.1	-4.2	0.0	-0.2	0.00	0.0	2.4	42.8	0.0	-3.8	0.0	39.0	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	182.44	-56.2	-4.3	0.0	-0.3	0.00	0.0	2.5	38.6	0.0	-3.8	6.4	41.2	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	182.44	-56.2	-4.3	0.0	-0.3	0.00	0.0	2.5	38.6	0.0	-3.8	0.0	34.8	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	182.44	-56.2	-4.3	0.0	-0.3	0.00	0.0	2.5	38.6	0.0	-3.8	0.0	34.8	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	146.87	-54.3	-2.5	0.0	-1.0	0.00	0.0	2.6	47.9	0.0	-7.8	6.4	46.5	

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FHS-08.0 Troy FJUHSD Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	146.87	-54.3	-2.5	0.0	-1.0	0.00	0.0	2.6	47.9	0.0	-7.8	0.0	40.1	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	146.87	-54.3	-2.5	0.0	-1.0	0.00	0.0	2.6	47.9	0.0	-7.8	0.0	40.1	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	182.81	-56.2	-4.4	-0.3	-0.4	0.00	0.0	1.8	51.5	0.0	-3.8	6.4	54.1	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	182.81	-56.2	-4.4	-0.3	-0.4	0.00	0.0	1.8	51.5	0.0	-3.8	0.0	47.7	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	182.81	-56.2	-4.4	-0.3	-0.4	0.00	0.0	1.8	51.5	0.0	-3.8	0.0	47.7	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	82.64	-49.3	-3.7	0.0	-0.1	0.00	0.0	1.0	58.9	0.0	-3.8	6.4	61.5	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	82.64	-49.3	-3.7	0.0	-0.1	0.00	0.0	1.0	58.9	0.0	-3.8	0.0	55.1	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	82.64	-49.3	-3.7	0.0	-0.1	0.00	0.0	1.0	58.9	0.0	-3.8	0.0	55.1	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	114.08	-52.1	-4.2	0.0	-0.2	0.00	0.0	2.4	56.9	0.0	-3.8	6.4	59.5	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	114.08	-52.1	-4.2	0.0	-0.2	0.00	0.0	2.4	56.9	0.0	-3.8	0.0	53.0	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	114.08	-52.1	-4.2	0.0	-0.2	0.00	0.0	2.4	56.9	0.0	-3.8	0.0	53.0	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	82.87	-49.4	-3.7	0.0	-0.1	0.00	0.0	1.0	44.9	0.0	-3.8	6.4	47.5	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	82.87	-49.4	-3.7	0.0	-0.1	0.00	0.0	1.0	44.9	0.0	-3.8	0.0	41.1	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	82.87	-49.4	-3.7	0.0	-0.1	0.00	0.0	1.0	44.9	0.0	-3.8	0.0	41.1	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	97.73	-50.8	-4.0	0.0	-0.2	0.00	0.0	2.3	44.2	0.0	-3.8	6.4	46.9	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	97.73	-50.8	-4.0	0.0	-0.2	0.00	0.0	2.3	44.2	0.0	-3.8	0.0	40.4	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	97.73	-50.8	-4.0	0.0	-0.2	0.00	0.0	2.3	44.2	0.0	-3.8	0.0	40.4	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	182.81	-56.2	-4.4	-0.3	-0.4	0.00	0.0	1.8	37.5	0.0	-3.8	6.4	40.1	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	182.81	-56.2	-4.4	-0.3	-0.4	0.00	0.0	1.8	37.5	0.0	-3.8	0.0	33.7	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	182.81	-56.2	-4.4	-0.3	-0.4	0.00	0.0	1.8	37.5	0.0	-3.8	0.0	33.7	
Receiver LT-4 FIG Leq,d 58.2 dB(A) Leq,n 58.2 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	174.19	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	36.4	0.0	-3.8	6.4	39.0	

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Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	174.19	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	36.4	0.0	-3.8	0.0	32.6	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	174.19	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	36.4	0.0	-3.8	0.0	32.6	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	109.62	-51.8	-4.0	-0.4	-0.2	0.00	0.0	0.1	40.6	0.0	-3.8	6.4	43.2	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	109.62	-51.8	-4.0	-0.4	-0.2	0.00	0.0	0.1	40.6	0.0	-3.8	0.0	36.8	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	109.62	-51.8	-4.0	-0.4	-0.2	0.00	0.0	0.1	40.6	0.0	-3.8	0.0	36.8	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	206.69	-57.3	-2.5	0.0	-1.3	0.00	0.0	0.9	42.8	0.0	-7.8	6.4	41.4	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	206.69	-57.3	-2.5	0.0	-1.3	0.00	0.0	0.9	42.8	0.0	-7.8	0.0	35.0	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	206.69	-57.3	-2.5	0.0	-1.3	0.00	0.0	0.9	42.8	0.0	-7.8	0.0	35.0	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	249.65	-58.9	-4.6	-0.1	-0.5	0.00	0.0	0.0	46.9	0.0	-3.8	6.4	49.5	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	249.65	-58.9	-4.6	-0.1	-0.5	0.00	0.0	0.0	46.9	0.0	-3.8	0.0	43.1	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	249.65	-58.9	-4.6	-0.1	-0.5	0.00	0.0	0.0	46.9	0.0	-3.8	0.0	43.1	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	64.93	-47.2	-2.7	0.0	-0.1	0.00	0.0	0.3	61.3	0.0	-3.8	6.4	63.9	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	64.93	-47.2	-2.7	0.0	-0.1	0.00	0.0	0.3	61.3	0.0	-3.8	0.0	57.5	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	64.93	-47.2	-2.7	0.0	-0.1	0.00	0.0	0.3	61.3	0.0	-3.8	0.0	57.5	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	174.01	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	50.4	0.0	-3.8	6.4	53.0	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	174.01	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	50.4	0.0	-3.8	0.0	46.6	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	174.01	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	50.4	0.0	-3.8	0.0	46.6	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	64.13	-47.1	-2.6	0.0	-0.1	0.00	0.0	0.3	47.5	0.0	-3.8	6.4	50.1	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	64.13	-47.1	-2.6	0.0	-0.1	0.00	0.0	0.3	47.5	0.0	-3.8	0.0	43.7	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	64.13	-47.1	-2.6	0.0	-0.1	0.00	0.0	0.3	47.5	0.0	-3.8	0.0	43.7	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	129.44	-53.2	-4.3	0.0	-0.2	0.00	0.0	1.1	40.4	0.0	-3.8	6.4	43.0	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	129.44	-53.2	-4.3	0.0	-0.2	0.00	0.0	1.1	40.4	0.0	-3.8	0.0	36.6	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	129.44	-53.2	-4.3	0.0	-0.2	0.00	0.0	1.1	40.4	0.0	-3.8	0.0	36.6	

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FHS-08.0 Troy FJUHSD

Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	249.65	-58.9	-4.6	-0.1	-0.5	0.00	0.0	0.0	32.9	0.0	-3.8	6.4	35.5	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	249.65	-58.9	-4.6	-0.1	-0.5	0.00	0.0	0.0	32.9	0.0	-3.8	0.0	29.1	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	249.65	-58.9	-4.6	-0.1	-0.5	0.00	0.0	0.0	32.9	0.0	-3.8	0.0	29.1	
Receiver LT-5 FIG Leq,d 47.9 dB(A) Leq,n 47.9 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	321.04	-61.1	-4.6	0.0	-0.6	0.00	0.0	0.0	30.7	0.0	-3.8	6.4	33.3	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	321.04	-61.1	-4.6	0.0	-0.6	0.00	0.0	0.0	30.7	0.0	-3.8	0.0	26.9	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	321.04	-61.1	-4.6	0.0	-0.6	0.00	0.0	0.0	30.7	0.0	-3.8	0.0	26.9	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	110.82	-51.9	-4.0	-0.2	-0.2	0.00	0.0	0.1	40.8	0.0	-3.8	6.4	43.4	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	110.82	-51.9	-4.0	-0.2	-0.2	0.00	0.0	0.1	40.8	0.0	-3.8	0.0	37.0	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	110.82	-51.9	-4.0	-0.2	-0.2	0.00	0.0	0.1	40.8	0.0	-3.8	0.0	37.0	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	351.98	-61.9	-2.5	0.0	-2.0	0.00	0.0	0.0	36.5	0.0	-7.8	6.4	35.1	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	351.98	-61.9	-2.5	0.0	-2.0	0.00	0.0	0.0	36.5	0.0	-7.8	0.0	28.7	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	351.98	-61.9	-2.5	0.0	-2.0	0.00	0.0	0.0	36.5	0.0	-7.8	0.0	28.7	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	396.53	-63.0	-4.6	0.0	-0.8	0.00	0.0	0.0	42.6	0.0	-3.8	6.4	45.2	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	396.53	-63.0	-4.6	0.0	-0.8	0.00	0.0	0.0	42.6	0.0	-3.8	0.0	38.8	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	396.53	-63.0	-4.6	0.0	-0.8	0.00	0.0	0.0	42.6	0.0	-3.8	0.0	38.8	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	204.32	-57.2	-4.5	0.0	-0.4	0.00	0.0	0.0	49.0	0.0	-3.8	6.4	51.6	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	204.32	-57.2	-4.5	0.0	-0.4	0.00	0.0	0.0	49.0	0.0	-3.8	0.0	45.2	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	204.32	-57.2	-4.5	0.0	-0.4	0.00	0.0	0.0	49.0	0.0	-3.8	0.0	45.2	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	320.88	-61.1	-4.6	0.0	-0.6	0.00	0.0	0.0	44.7	0.0	-3.8	6.4	47.3	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	320.88	-61.1	-4.6	0.0	-0.6	0.00	0.0	0.0	44.7	0.0	-3.8	0.0	40.9	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	320.88	-61.1	-4.6	0.0	-0.6	0.00	0.0	0.0	44.7	0.0	-3.8	0.0	40.9	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	203.74	-57.2	-4.5	0.0	-0.4	0.00	0.0	0.0	35.0	0.0	-3.8	6.4	37.6	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	203.74	-57.2	-4.5	0.0	-0.4	0.00	0.0	0.0	35.0	0.0	-3.8	0.0	31.2	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	203.74	-57.2	-4.5	0.0	-0.4	0.00	0.0	0.0	35.0	0.0	-3.8	0.0	31.2	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	267.71	-59.5	-4.5	0.0	-0.5	0.00	0.0	0.0	32.4	0.0	-3.8	6.4	35.0	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	267.71	-59.5	-4.5	0.0	-0.5	0.00	0.0	0.0	32.4	0.0	-3.8	0.0	28.6	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	267.71	-59.5	-4.5	0.0	-0.5	0.00	0.0	0.0	32.4	0.0	-3.8	0.0	28.6	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	396.53	-63.0	-4.6	0.0	-0.8	0.00	0.0	0.0	28.6	0.0	-3.8	6.4	31.2	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	396.53	-63.0	-4.6	0.0	-0.8	0.00	0.0	0.0	28.6	0.0	-3.8	0.0	24.8	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	396.53	-63.0	-4.6	0.0	-0.8	0.00	0.0	0.0	28.6	0.0	-3.8	0.0	24.8	
Receiver R-1 FI G Leq,d 47.5 dB(A) Leq,n 47.5 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	349.95	-61.9	-4.6	-0.1	-0.7	0.00	0.0	0.4	30.2	0.0	-3.8	6.4	32.8	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	349.95	-61.9	-4.6	-0.1	-0.7	0.00	0.0	0.4	30.2	0.0	-3.8	0.0	26.4	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	349.95	-61.9	-4.6	-0.1	-0.7	0.00	0.0	0.4	30.2	0.0	-3.8	0.0	26.4	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	135.32	-53.6	-4.1	-0.7	-0.3	0.00	0.0	1.5	39.8	0.0	-3.8	6.4	42.4	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	135.32	-53.6	-4.1	-0.7	-0.3	0.00	0.0	1.5	39.8	0.0	-3.8	0.0	36.0	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	135.32	-53.6	-4.1	-0.7	-0.3	0.00	0.0	1.5	39.8	0.0	-3.8	0.0	36.0	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	374.76	-62.5	-1.4	-1.9	-1.5	0.00	0.0	0.0	35.7	0.0	-7.8	6.4	34.3	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	374.76	-62.5	-1.4	-1.9	-1.5	0.00	0.0	0.0	35.7	0.0	-7.8	0.0	27.9	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	374.76	-62.5	-1.4	-1.9	-1.5	0.00	0.0	0.0	35.7	0.0	-7.8	0.0	27.9	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	414.83	-63.3	-4.6	-1.1	-0.8	0.00	0.0	0.0	41.2	0.0	-3.8	6.4	43.8	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	414.83	-63.3	-4.6	-1.1	-0.8	0.00	0.0	0.0	41.2	0.0	-3.8	0.0	37.4	

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FHS-08.0 Troy FJUHS Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	414.83	-63.3	-4.6	-1.1	-0.8	0.00	0.0	0.0	41.2	0.0	-3.8	0.0	37.4	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	242.12	-58.7	-4.5	0.0	-0.5	0.00	0.0	1.6	48.9	0.0	-3.8	6.4	51.6	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	242.12	-58.7	-4.5	0.0	-0.5	0.00	0.0	1.6	48.9	0.0	-3.8	0.0	45.1	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	242.12	-58.7	-4.5	0.0	-0.5	0.00	0.0	1.6	48.9	0.0	-3.8	0.0	45.1	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	349.82	-61.9	-4.6	-0.1	-0.7	0.00	0.0	0.4	44.2	0.0	-3.8	6.4	46.8	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	349.82	-61.9	-4.6	-0.1	-0.7	0.00	0.0	0.4	44.2	0.0	-3.8	0.0	40.4	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	349.82	-61.9	-4.6	-0.1	-0.7	0.00	0.0	0.4	44.2	0.0	-3.8	0.0	40.4	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	241.64	-58.7	-4.5	0.0	-0.5	0.00	0.0	1.6	35.0	0.0	-3.8	6.4	37.6	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	241.64	-58.7	-4.5	0.0	-0.5	0.00	0.0	1.6	35.0	0.0	-3.8	0.0	31.2	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	241.64	-58.7	-4.5	0.0	-0.5	0.00	0.0	1.6	35.0	0.0	-3.8	0.0	31.2	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	296.09	-60.4	-4.5	0.0	-0.6	0.00	0.0	0.5	32.0	0.0	-3.8	6.4	34.6	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	296.09	-60.4	-4.5	0.0	-0.6	0.00	0.0	0.5	32.0	0.0	-3.8	0.0	28.2	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	296.09	-60.4	-4.5	0.0	-0.6	0.00	0.0	0.5	32.0	0.0	-3.8	0.0	28.2	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	414.83	-63.3	-4.6	-1.1	-0.8	0.00	0.0	0.0	27.2	0.0	-3.8	6.4	29.8	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	414.83	-63.3	-4.6	-1.1	-0.8	0.00	0.0	0.0	27.2	0.0	-3.8	0.0	23.4	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	414.83	-63.3	-4.6	-1.1	-0.8	0.00	0.0	0.0	27.2	0.0	-3.8	0.0	23.4	
Receiver R-2 FI G Leq,d 47.0 dB(A) Leq,n 47.0 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	337.63	-61.6	-4.6	0.0	-0.7	0.00	0.0	0.0	30.2	0.0	-3.8	6.4	32.8	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	337.63	-61.6	-4.6	0.0	-0.7	0.00	0.0	0.0	30.2	0.0	-3.8	0.0	26.4	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	337.63	-61.6	-4.6	0.0	-0.7	0.00	0.0	0.0	30.2	0.0	-3.8	0.0	26.4	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	111.36	-51.9	-4.0	-1.1	-0.2	0.00	0.0	0.0	39.8	0.0	-3.8	6.4	42.4	

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Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	111.36	-51.9	-4.0	-1.1	-0.2	0.00	0.0	0.0	39.8	0.0	-3.8	0.0	36.0	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	111.36	-51.9	-4.0	-1.1	-0.2	0.00	0.0	0.0	39.8	0.0	-3.8	0.0	36.0	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	364.73	-62.2	-2.3	0.0	-2.0	0.00	0.0	0.0	36.5	0.0	-7.8	6.4	35.2	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	364.73	-62.2	-2.3	0.0	-2.0	0.00	0.0	0.0	36.5	0.0	-7.8	0.0	28.8	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	364.73	-62.2	-2.3	0.0	-2.0	0.00	0.0	0.0	36.5	0.0	-7.8	0.0	28.8	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	406.79	-63.2	-4.6	-0.1	-0.8	0.00	0.0	0.0	42.3	0.0	-3.8	6.4	44.9	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	406.79	-63.2	-4.6	-0.1	-0.8	0.00	0.0	0.0	42.3	0.0	-3.8	0.0	38.5	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	406.79	-63.2	-4.6	-0.1	-0.8	0.00	0.0	0.0	42.3	0.0	-3.8	0.0	38.5	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	224.07	-58.0	-4.4	-0.3	-0.4	0.00	0.0	0.0	47.9	0.0	-3.8	6.4	50.5	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	224.07	-58.0	-4.4	-0.3	-0.4	0.00	0.0	0.0	47.9	0.0	-3.8	0.0	44.1	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	224.07	-58.0	-4.4	-0.3	-0.4	0.00	0.0	0.0	47.9	0.0	-3.8	0.0	44.1	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	337.50	-61.6	-4.6	0.0	-0.7	0.00	0.0	0.0	44.2	0.0	-3.8	6.4	46.8	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	337.50	-61.6	-4.6	0.0	-0.7	0.00	0.0	0.0	44.2	0.0	-3.8	0.0	40.4	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	337.50	-61.6	-4.6	0.0	-0.7	0.00	0.0	0.0	44.2	0.0	-3.8	0.0	40.4	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	223.57	-58.0	-4.4	-0.3	-0.4	0.00	0.0	0.0	33.9	0.0	-3.8	6.4	36.5	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	223.57	-58.0	-4.4	-0.3	-0.4	0.00	0.0	0.0	33.9	0.0	-3.8	0.0	30.1	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	223.57	-58.0	-4.4	-0.3	-0.4	0.00	0.0	0.0	33.9	0.0	-3.8	0.0	30.1	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	282.36	-60.0	-4.5	0.0	-0.5	0.00	0.0	0.0	31.9	0.0	-3.8	6.4	34.5	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	282.36	-60.0	-4.5	0.0	-0.5	0.00	0.0	0.0	31.9	0.0	-3.8	0.0	28.1	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	282.36	-60.0	-4.5	0.0	-0.5	0.00	0.0	0.0	31.9	0.0	-3.8	0.0	28.1	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	406.79	-63.2	-4.6	-0.1	-0.8	0.00	0.0	0.0	28.3	0.0	-3.8	6.4	30.9	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	406.79	-63.2	-4.6	-0.1	-0.8	0.00	0.0	0.0	28.3	0.0	-3.8	0.0	24.5	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	406.79	-63.2	-4.6	-0.1	-0.8	0.00	0.0	0.0	28.3	0.0	-3.8	0.0	24.5	

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FHS-08.0 Troy FJUHSD Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Receiver R-3 FIG Leq,d 48.2 dB(A) Leq,n 48.2 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	316.60	-61.0	-4.6	0.0	-0.6	0.00	0.0	0.0	30.8	0.0	-3.8	6.4	33.4	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	316.60	-61.0	-4.6	0.0	-0.6	0.00	0.0	0.0	30.8	0.0	-3.8	0.0	27.0	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	316.60	-61.0	-4.6	0.0	-0.6	0.00	0.0	0.0	30.8	0.0	-3.8	0.0	27.0	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	96.18	-50.7	-3.9	-0.2	-0.2	0.00	0.0	0.1	42.2	0.0	-3.8	6.4	44.8	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	96.18	-50.7	-3.9	-0.2	-0.2	0.00	0.0	0.1	42.2	0.0	-3.8	0.0	38.4	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	96.18	-50.7	-3.9	-0.2	-0.2	0.00	0.0	0.1	42.2	0.0	-3.8	0.0	38.4	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	346.76	-61.8	-2.6	0.0	-2.0	0.00	0.0	0.0	36.7	0.0	-7.8	6.4	35.3	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	346.76	-61.8	-2.6	0.0	-2.0	0.00	0.0	0.0	36.7	0.0	-7.8	0.0	28.9	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	346.76	-61.8	-2.6	0.0	-2.0	0.00	0.0	0.0	36.7	0.0	-7.8	0.0	28.9	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	391.17	-62.8	-4.6	0.0	-0.8	0.00	0.0	0.0	42.8	0.0	-3.8	6.4	45.4	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	391.17	-62.8	-4.6	0.0	-0.8	0.00	0.0	0.0	42.8	0.0	-3.8	0.0	39.0	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	391.17	-62.8	-4.6	0.0	-0.8	0.00	0.0	0.0	42.8	0.0	-3.8	0.0	39.0	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	198.96	-57.0	-4.4	0.0	-0.4	0.00	0.0	0.0	49.2	0.0	-3.8	6.4	51.8	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	198.96	-57.0	-4.4	0.0	-0.4	0.00	0.0	0.0	49.2	0.0	-3.8	0.0	45.4	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	198.96	-57.0	-4.4	0.0	-0.4	0.00	0.0	0.0	49.2	0.0	-3.8	0.0	45.4	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	316.45	-61.0	-4.6	0.0	-0.6	0.00	0.0	0.0	44.8	0.0	-3.8	6.4	47.4	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	316.45	-61.0	-4.6	0.0	-0.6	0.00	0.0	0.0	44.8	0.0	-3.8	0.0	41.0	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	316.45	-61.0	-4.6	0.0	-0.6	0.00	0.0	0.0	44.8	0.0	-3.8	0.0	41.0	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	198.41	-56.9	-4.4	0.0	-0.4	0.00	0.0	0.0	35.3	0.0	-3.8	6.4	37.9	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	198.41	-56.9	-4.4	0.0	-0.4	0.00	0.0	0.0	35.3	0.0	-3.8	0.0	31.5	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	198.41	-56.9	-4.4	0.0	-0.4	0.00	0.0	0.0	35.3	0.0	-3.8	0.0	31.5	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	261.98	-59.4	-4.5	0.0	-0.5	0.00	0.0	0.0	32.6	0.0	-3.8	6.4	35.2	

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FHS-08.0 Troy FJUHSD Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	261.98	-59.4	-4.5	0.0	-0.5	0.00	0.0	0.0	32.6	0.0	-3.8	0.0	28.8	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	261.98	-59.4	-4.5	0.0	-0.5	0.00	0.0	0.0	32.6	0.0	-3.8	0.0	28.8	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	391.17	-62.8	-4.6	0.0	-0.8	0.00	0.0	0.0	28.8	0.0	-3.8	6.4	31.4	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	391.17	-62.8	-4.6	0.0	-0.8	0.00	0.0	0.0	28.8	0.0	-3.8	0.0	25.0	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	391.17	-62.8	-4.6	0.0	-0.8	0.00	0.0	0.0	28.8	0.0	-3.8	0.0	25.0	
Receiver ST-1 FI G Leq,d 59.6 dB(A) Leq,n 59.6 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	132.36	-53.4	-4.3	0.0	-0.3	0.00	0.0	2.4	41.4	0.0	-3.8	6.4	44.0	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	132.36	-53.4	-4.3	0.0	-0.3	0.00	0.0	2.4	41.4	0.0	-3.8	0.0	37.6	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	132.36	-53.4	-4.3	0.0	-0.3	0.00	0.0	2.4	41.4	0.0	-3.8	0.0	37.6	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	347.90	-61.8	-4.6	0.0	-0.7	0.00	0.0	2.2	32.1	0.0	-3.8	6.4	34.7	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	347.90	-61.8	-4.6	0.0	-0.7	0.00	0.0	2.2	32.1	0.0	-3.8	0.0	28.3	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	347.90	-61.8	-4.6	0.0	-0.7	0.00	0.0	2.2	32.1	0.0	-3.8	0.0	28.3	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	114.69	-52.2	-2.4	0.0	-0.8	0.00	0.0	2.6	50.2	0.0	-7.8	6.4	48.9	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	114.69	-52.2	-2.4	0.0	-0.8	0.00	0.0	2.6	50.2	0.0	-7.8	0.0	42.4	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	114.69	-52.2	-2.4	0.0	-0.8	0.00	0.0	2.6	50.2	0.0	-7.8	0.0	42.4	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	70.12	-47.9	-3.0	0.0	-0.1	0.00	0.0	2.1	62.2	0.0	-3.8	6.4	64.8	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	70.12	-47.9	-3.0	0.0	-0.1	0.00	0.0	2.1	62.2	0.0	-3.8	0.0	58.4	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	70.12	-47.9	-3.0	0.0	-0.1	0.00	0.0	2.1	62.2	0.0	-3.8	0.0	58.4	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	241.00	-58.6	-4.6	-0.1	-0.5	0.00	0.0	1.9	49.2	0.0	-3.8	6.4	51.8	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	241.00	-58.6	-4.6	-0.1	-0.5	0.00	0.0	1.9	49.2	0.0	-3.8	0.0	45.4	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	241.00	-58.6	-4.6	-0.1	-0.5	0.00	0.0	1.9	49.2	0.0	-3.8	0.0	45.4	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	132.47	-53.4	-4.3	0.0	-0.3	0.00	0.0	2.4	55.4	0.0	-3.8	6.4	58.0	

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Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	132.47	-53.4	-4.3	0.0	-0.3	0.00	0.0	2.4	55.4	0.0	-3.8	0.0	51.6	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	132.47	-53.4	-4.3	0.0	-0.3	0.00	0.0	2.4	55.4	0.0	-3.8	0.0	51.6	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	241.40	-58.6	-4.6	-0.1	-0.5	0.00	0.0	1.9	35.2	0.0	-3.8	6.4	37.8	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	241.40	-58.6	-4.6	-0.1	-0.5	0.00	0.0	1.9	35.2	0.0	-3.8	0.0	31.4	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	241.40	-58.6	-4.6	-0.1	-0.5	0.00	0.0	1.9	35.2	0.0	-3.8	0.0	31.4	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	185.08	-56.3	-4.5	0.0	-0.4	0.00	0.0	2.5	38.3	0.0	-3.8	6.4	40.9	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	185.08	-56.3	-4.5	0.0	-0.4	0.00	0.0	2.5	38.3	0.0	-3.8	0.0	34.5	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	185.08	-56.3	-4.5	0.0	-0.4	0.00	0.0	2.5	38.3	0.0	-3.8	0.0	34.5	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	70.12	-47.9	-3.0	0.0	-0.1	0.00	0.0	2.1	48.2	0.0	-3.8	6.4	50.8	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	70.12	-47.9	-3.0	0.0	-0.1	0.00	0.0	2.1	48.2	0.0	-3.8	0.0	44.4	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	70.12	-47.9	-3.0	0.0	-0.1	0.00	0.0	2.1	48.2	0.0	-3.8	0.0	44.4	
Receiver ST-2 FI G Leq,d 59.0 dB(A) Leq,n 59.0 dB(A)																						
Auxillary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	75.92	-48.6	-3.7	-4.2	-0.2	0.00	0.0	2.0	42.3	0.0	-3.8	6.4	44.9	
Auxillary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	75.92	-48.6	-3.7	-4.2	-0.2	0.00	0.0	2.0	42.3	0.0	-3.8	0.0	38.5	
Auxillary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	75.92	-48.6	-3.7	-4.2	-0.2	0.00	0.0	2.0	42.3	0.0	-3.8	0.0	38.5	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	278.05	-59.9	-4.6	0.0	-0.5	0.00	0.0	0.3	32.4	0.0	-3.8	6.4	35.0	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	278.05	-59.9	-4.6	0.0	-0.5	0.00	0.0	0.3	32.4	0.0	-3.8	0.0	28.6	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	278.05	-59.9	-4.6	0.0	-0.5	0.00	0.0	0.3	32.4	0.0	-3.8	0.0	28.6	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	83.23	-49.4	-2.4	0.0	-0.6	0.00	0.0	1.6	52.2	0.0	-7.8	6.4	50.8	

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FHS-08.0 Troy FJUHSD Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	83.23	-49.4	-2.4	0.0	-0.6	0.00	0.0	1.6	52.2	0.0	-7.8	0.0	44.4	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	83.23	-49.4	-2.4	0.0	-0.6	0.00	0.0	1.6	52.2	0.0	-7.8	0.0	44.4	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	74.35	-48.4	-3.2	0.0	-0.1	0.00	0.0	1.5	60.8	0.0	-3.8	6.4	63.4	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	74.35	-48.4	-3.2	0.0	-0.1	0.00	0.0	1.5	60.8	0.0	-3.8	0.0	57.0	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	74.35	-48.4	-3.2	0.0	-0.1	0.00	0.0	1.5	60.8	0.0	-3.8	0.0	57.0	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	170.65	-55.6	-4.5	-0.3	-0.3	0.00	0.0	0.9	51.2	0.0	-3.8	6.4	53.8	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	170.65	-55.6	-4.5	-0.3	-0.3	0.00	0.0	0.9	51.2	0.0	-3.8	0.0	47.4	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	170.65	-55.6	-4.5	-0.3	-0.3	0.00	0.0	0.9	51.2	0.0	-3.8	0.0	47.4	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	76.04	-48.6	-3.7	-4.2	-0.2	0.00	0.0	2.0	56.3	0.0	-3.8	6.4	58.9	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	76.04	-48.6	-3.7	-4.2	-0.2	0.00	0.0	2.0	56.3	0.0	-3.8	0.0	52.5	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	76.04	-48.6	-3.7	-4.2	-0.2	0.00	0.0	2.0	56.3	0.0	-3.8	0.0	52.5	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	171.01	-55.7	-4.5	-0.3	-0.3	0.00	0.0	0.9	37.2	0.0	-3.8	6.4	39.8	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	171.01	-55.7	-4.5	-0.3	-0.3	0.00	0.0	0.9	37.2	0.0	-3.8	0.0	33.4	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	171.01	-55.7	-4.5	-0.3	-0.3	0.00	0.0	0.9	37.2	0.0	-3.8	0.0	33.4	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	124.23	-52.9	-4.3	-3.4	-0.2	0.00	0.0	3.8	40.0	0.0	-3.8	6.4	42.7	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	124.23	-52.9	-4.3	-3.4	-0.2	0.00	0.0	3.8	40.0	0.0	-3.8	0.0	36.2	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	124.23	-52.9	-4.3	-3.4	-0.2	0.00	0.0	3.8	40.0	0.0	-3.8	0.0	36.2	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	74.35	-48.4	-3.2	0.0	-0.1	0.00	0.0	1.5	46.8	0.0	-3.8	6.4	49.4	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	74.35	-48.4	-3.2	0.0	-0.1	0.00	0.0	1.5	46.8	0.0	-3.8	0.0	43.0	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	74.35	-48.4	-3.2	0.0	-0.1	0.00	0.0	1.5	46.8	0.0	-3.8	0.0	43.0	
Receiver ST-3 FI G Leq,d 58.6 dB(A) Leq,n 58.6 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	112.05	-52.0	-4.2	0.0	-0.2	0.00	0.0	1.2	41.8	0.0	-3.8	6.4	44.4	

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FHS-08.0 Troy FJUHSD

Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	112.05	-52.0	-4.2	0.0	-0.2	0.00	0.0	1.2	41.8	0.0	-3.8	0.0	38.0	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	112.05	-52.0	-4.2	0.0	-0.2	0.00	0.0	1.2	41.8	0.0	-3.8	0.0	38.0	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	175.84	-55.9	-4.3	0.0	-0.3	0.00	0.0	1.4	37.8	0.0	-3.8	6.4	40.4	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	175.84	-55.9	-4.3	0.0	-0.3	0.00	0.0	1.4	37.8	0.0	-3.8	0.0	34.0	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	175.84	-55.9	-4.3	0.0	-0.3	0.00	0.0	1.4	37.8	0.0	-3.8	0.0	34.0	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	145.01	-54.2	-2.4	0.0	-1.0	0.00	0.0	1.4	46.8	0.0	-7.8	6.4	45.4	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	145.01	-54.2	-2.4	0.0	-1.0	0.00	0.0	1.4	46.8	0.0	-7.8	0.0	39.0	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	145.01	-54.2	-2.4	0.0	-1.0	0.00	0.0	1.4	46.8	0.0	-7.8	0.0	39.0	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	182.30	-56.2	-4.4	-0.3	-0.4	0.00	0.0	0.4	50.1	0.0	-3.8	6.4	52.7	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	182.30	-56.2	-4.4	-0.3	-0.4	0.00	0.0	0.4	50.1	0.0	-3.8	0.0	46.3	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	182.30	-56.2	-4.4	-0.3	-0.4	0.00	0.0	0.4	50.1	0.0	-3.8	0.0	46.3	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	74.03	-48.4	-3.4	0.0	-0.1	0.00	0.0	1.5	60.6	0.0	-3.8	6.4	63.2	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	74.03	-48.4	-3.4	0.0	-0.1	0.00	0.0	1.5	60.6	0.0	-3.8	0.0	56.8	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	74.03	-48.4	-3.4	0.0	-0.1	0.00	0.0	1.5	60.6	0.0	-3.8	0.0	56.8	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	111.88	-52.0	-4.2	0.0	-0.2	0.00	0.0	1.2	55.9	0.0	-3.8	6.4	58.5	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	111.88	-52.0	-4.2	0.0	-0.2	0.00	0.0	1.2	55.9	0.0	-3.8	0.0	52.1	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	111.88	-52.0	-4.2	0.0	-0.2	0.00	0.0	1.2	55.9	0.0	-3.8	0.0	52.1	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	74.26	-48.4	-3.4	0.0	-0.1	0.00	0.0	1.5	46.6	0.0	-3.8	6.4	49.2	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	74.26	-48.4	-3.4	0.0	-0.1	0.00	0.0	1.5	46.6	0.0	-3.8	0.0	42.8	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	74.26	-48.4	-3.4	0.0	-0.1	0.00	0.0	1.5	46.6	0.0	-3.8	0.0	42.8	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	92.14	-50.3	-4.0	0.0	-0.2	0.00	0.0	1.4	44.0	0.0	-3.8	6.4	46.6	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	92.14	-50.3	-4.0	0.0	-0.2	0.00	0.0	1.4	44.0	0.0	-3.8	0.0	40.2	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	92.14	-50.3	-4.0	0.0	-0.2	0.00	0.0	1.4	44.0	0.0	-3.8	0.0	40.2	

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FHS-08.0 Troy FJUHSD

Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	182.30	-56.2	-4.4	-0.3	-0.4	0.00	0.0	0.4	36.1	0.0	-3.8	6.4	38.7	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	182.30	-56.2	-4.4	-0.3	-0.4	0.00	0.0	0.4	36.1	0.0	-3.8	0.0	32.3	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	182.30	-56.2	-4.4	-0.3	-0.4	0.00	0.0	0.4	36.1	0.0	-3.8	0.0	32.3	
Receiver ST-4 FI G Leq,d 60.2 dB(A) Leq,n 60.2 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	168.25	-55.5	-4.4	0.0	-0.3	0.00	0.0	0.0	36.8	0.0	-3.8	6.4	39.4	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	168.25	-55.5	-4.4	0.0	-0.3	0.00	0.0	0.0	36.8	0.0	-3.8	0.0	32.9	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	168.25	-55.5	-4.4	0.0	-0.3	0.00	0.0	0.0	36.8	0.0	-3.8	0.0	32.9	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	107.98	-51.7	-4.0	0.0	-0.2	0.00	0.0	0.1	41.3	0.0	-3.8	6.4	43.9	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	107.98	-51.7	-4.0	0.0	-0.2	0.00	0.0	0.1	41.3	0.0	-3.8	0.0	37.5	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	107.98	-51.7	-4.0	0.0	-0.2	0.00	0.0	0.1	41.3	0.0	-3.8	0.0	37.5	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	200.72	-57.0	-2.5	0.0	-1.3	0.00	0.0	0.4	42.5	0.0	-7.8	6.4	41.2	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	200.72	-57.0	-2.5	0.0	-1.3	0.00	0.0	0.4	42.5	0.0	-7.8	0.0	34.7	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	200.72	-57.0	-2.5	0.0	-1.3	0.00	0.0	0.4	42.5	0.0	-7.8	0.0	34.7	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	243.88	-58.7	-4.6	-0.1	-0.5	0.00	0.0	0.0	47.1	0.0	-3.8	6.4	49.7	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	243.88	-58.7	-4.6	-0.1	-0.5	0.00	0.0	0.0	47.1	0.0	-3.8	0.0	43.3	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	243.88	-58.7	-4.6	-0.1	-0.5	0.00	0.0	0.0	47.1	0.0	-3.8	0.0	43.3	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	55.10	-45.8	-2.0	0.0	-0.1	0.00	0.0	0.4	63.4	0.0	-3.8	6.4	66.0	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	55.10	-45.8	-2.0	0.0	-0.1	0.00	0.0	0.4	63.4	0.0	-3.8	0.0	59.6	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	55.10	-45.8	-2.0	0.0	-0.1	0.00	0.0	0.4	63.4	0.0	-3.8	0.0	59.6	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	168.08	-55.5	-4.4	0.0	-0.3	0.00	0.0	0.0	50.8	0.0	-3.8	6.4	53.4	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	168.08	-55.5	-4.4	0.0	-0.3	0.00	0.0	0.0	50.8	0.0	-3.8	0.0	47.0	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	168.08	-55.5	-4.4	0.0	-0.3	0.00	0.0	0.0	50.8	0.0	-3.8	0.0	47.0	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	53.98	-45.6	-1.9	0.0	-0.1	0.00	0.0	0.3	49.7	0.0	-3.8	6.4	52.3	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	53.98	-45.6	-1.9	0.0	-0.1	0.00	0.0	0.3	49.7	0.0	-3.8	0.0	45.9	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	53.98	-45.6	-1.9	0.0	-0.1	0.00	0.0	0.3	49.7	0.0	-3.8	0.0	45.9	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	122.90	-52.8	-4.3	0.0	-0.2	0.00	0.0	0.0	39.7	0.0	-3.8	6.4	42.3	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	122.90	-52.8	-4.3	0.0	-0.2	0.00	0.0	0.0	39.7	0.0	-3.8	0.0	35.9	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	122.90	-52.8	-4.3	0.0	-0.2	0.00	0.0	0.0	39.7	0.0	-3.8	0.0	35.9	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	243.88	-58.7	-4.6	-0.1	-0.5	0.00	0.0	0.0	33.1	0.0	-3.8	6.4	35.7	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	243.88	-58.7	-4.6	-0.1	-0.5	0.00	0.0	0.0	33.1	0.0	-3.8	0.0	29.3	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	243.88	-58.7	-4.6	-0.1	-0.5	0.00	0.0	0.0	33.1	0.0	-3.8	0.0	29.3	
Receiver ST-5 FIG Leq,d 47.5 dB(A) Leq,n 47.5 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	328.40	-61.3	-4.6	0.0	-0.6	0.00	0.0	0.0	30.5	0.0	-3.8	6.4	33.1	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	328.40	-61.3	-4.6	0.0	-0.6	0.00	0.0	0.0	30.5	0.0	-3.8	0.0	26.7	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	328.40	-61.3	-4.6	0.0	-0.6	0.00	0.0	0.0	30.5	0.0	-3.8	0.0	26.7	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	117.34	-52.4	-4.1	-1.1	-0.2	0.00	0.0	0.0	39.2	0.0	-3.8	6.4	41.9	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	117.34	-52.4	-4.1	-1.1	-0.2	0.00	0.0	0.0	39.2	0.0	-3.8	0.0	35.4	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	117.34	-52.4	-4.1	-1.1	-0.2	0.00	0.0	0.0	39.2	0.0	-3.8	0.0	35.4	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	359.29	-62.1	-2.5	0.0	-2.1	0.00	0.0	0.0	36.3	0.0	-7.8	6.4	35.0	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	359.29	-62.1	-2.5	0.0	-2.1	0.00	0.0	0.0	36.3	0.0	-7.8	0.0	28.5	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	359.29	-62.1	-2.5	0.0	-2.1	0.00	0.0	0.0	36.3	0.0	-7.8	0.0	28.5	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	403.82	-63.1	-4.6	0.0	-0.8	0.00	0.0	0.0	42.5	0.0	-3.8	6.4	45.1	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	403.82	-63.1	-4.6	0.0	-0.8	0.00	0.0	0.0	42.5	0.0	-3.8	0.0	38.7	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	403.82	-63.1	-4.6	0.0	-0.8	0.00	0.0	0.0	42.5	0.0	-3.8	0.0	38.7	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	211.62	-57.5	-4.5	0.0	-0.4	0.00	0.0	0.0	48.6	0.0	-3.8	6.4	51.2	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	211.62	-57.5	-4.5	0.0	-0.4	0.00	0.0	0.0	48.6	0.0	-3.8	0.0	44.8	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	211.62	-57.5	-4.5	0.0	-0.4	0.00	0.0	0.0	48.6	0.0	-3.8	0.0	44.8	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	328.24	-61.3	-4.6	0.0	-0.6	0.00	0.0	0.0	44.5	0.0	-3.8	6.4	47.1	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	328.24	-61.3	-4.6	0.0	-0.6	0.00	0.0	0.0	44.5	0.0	-3.8	0.0	40.7	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	328.24	-61.3	-4.6	0.0	-0.6	0.00	0.0	0.0	44.5	0.0	-3.8	0.0	40.7	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	211.06	-57.5	-4.5	0.0	-0.4	0.00	0.0	0.0	34.7	0.0	-3.8	6.4	37.3	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	211.06	-57.5	-4.5	0.0	-0.4	0.00	0.0	0.0	34.7	0.0	-3.8	0.0	30.9	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	211.06	-57.5	-4.5	0.0	-0.4	0.00	0.0	0.0	34.7	0.0	-3.8	0.0	30.9	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	274.99	-59.8	-4.5	0.0	-0.5	0.00	0.0	0.0	32.2	0.0	-3.8	6.4	34.8	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	274.99	-59.8	-4.5	0.0	-0.5	0.00	0.0	0.0	32.2	0.0	-3.8	0.0	28.4	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	274.99	-59.8	-4.5	0.0	-0.5	0.00	0.0	0.0	32.2	0.0	-3.8	0.0	28.4	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	403.82	-63.1	-4.6	0.0	-0.8	0.00	0.0	0.0	28.5	0.0	-3.8	6.4	31.1	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	403.82	-63.1	-4.6	0.0	-0.8	0.00	0.0	0.0	28.5	0.0	-3.8	0.0	24.7	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	403.82	-63.1	-4.6	0.0	-0.8	0.00	0.0	0.0	28.5	0.0	-3.8	0.0	24.7	
Receiver ST-6 FI G Leq,d 62.1 dB(A) Leq,n 62.1 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	119.16	-52.5	-4.2	0.0	-0.2	0.00	0.0	0.0	40.0	0.0	-3.8	6.4	42.6	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	119.16	-52.5	-4.2	0.0	-0.2	0.00	0.0	0.0	40.0	0.0	-3.8	0.0	36.2	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	119.16	-52.5	-4.2	0.0	-0.2	0.00	0.0	0.0	40.0	0.0	-3.8	0.0	36.2	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	335.91	-61.5	-4.6	0.0	-0.6	0.00	0.0	0.1	30.3	0.0	-3.8	6.4	32.9	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	335.91	-61.5	-4.6	0.0	-0.6	0.00	0.0	0.1	30.3	0.0	-3.8	0.0	26.5	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	335.91	-61.5	-4.6	0.0	-0.6	0.00	0.0	0.1	30.3	0.0	-3.8	0.0	26.5	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	99.98	-51.0	-2.5	0.0	-0.7	0.00	0.0	0.6	49.4	0.0	-7.8	6.4	48.1	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	99.98	-51.0	-2.5	0.0	-0.7	0.00	0.0	0.6	49.4	0.0	-7.8	0.0	41.6	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	99.98	-51.0	-2.5	0.0	-0.7	0.00	0.0	0.6	49.4	0.0	-7.8	0.0	41.6	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	47.12	-44.5	-1.4	0.0	-0.1	0.00	0.0	0.2	65.3	0.0	-3.8	6.4	67.9	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	47.12	-44.5	-1.4	0.0	-0.1	0.00	0.0	0.2	65.3	0.0	-3.8	0.0	61.5	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	47.12	-44.5	-1.4	0.0	-0.1	0.00	0.0	0.2	65.3	0.0	-3.8	0.0	61.5	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	229.60	-58.2	-4.6	0.0	-0.4	0.00	0.0	0.0	47.8	0.0	-3.8	6.4	50.4	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	229.60	-58.2	-4.6	0.0	-0.4	0.00	0.0	0.0	47.8	0.0	-3.8	0.0	44.0	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	229.60	-58.2	-4.6	0.0	-0.4	0.00	0.0	0.0	47.8	0.0	-3.8	0.0	44.0	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	119.27	-52.5	-4.2	0.0	-0.2	0.00	0.0	0.0	54.0	0.0	-3.8	6.4	56.6	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	119.27	-52.5	-4.2	0.0	-0.2	0.00	0.0	0.0	54.0	0.0	-3.8	0.0	50.2	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	119.27	-52.5	-4.2	0.0	-0.2	0.00	0.0	0.0	54.0	0.0	-3.8	0.0	50.2	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	230.01	-58.2	-4.6	0.0	-0.4	0.00	0.0	0.0	33.8	0.0	-3.8	6.4	36.4	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	230.01	-58.2	-4.6	0.0	-0.4	0.00	0.0	0.0	33.8	0.0	-3.8	0.0	30.0	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	230.01	-58.2	-4.6	0.0	-0.4	0.00	0.0	0.0	33.8	0.0	-3.8	0.0	30.0	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	172.27	-55.7	-4.4	0.0	-0.3	0.00	0.0	0.0	36.5	0.0	-3.8	6.4	39.1	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	172.27	-55.7	-4.4	0.0	-0.3	0.00	0.0	0.0	36.5	0.0	-3.8	0.0	32.7	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	172.27	-55.7	-4.4	0.0	-0.3	0.00	0.0	0.0	36.5	0.0	-3.8	0.0	32.7	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	47.12	-44.5	-1.4	0.0	-0.1	0.00	0.0	0.2	51.3	0.0	-3.8	6.4	53.9	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	47.12	-44.5	-1.4	0.0	-0.1	0.00	0.0	0.2	51.3	0.0	-3.8	0.0	47.5	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	47.12	-44.5	-1.4	0.0	-0.1	0.00	0.0	0.2	51.3	0.0	-3.8	0.0	47.5	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Receiver ST-7	FI G	Leq,d 64.9 dB(A)	Leq,n 64.9 dB(A)																			
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	101.09	-51.1	-4.1	0.0	-0.2	0.00	0.0	0.0	41.7	0.0	-3.8	6.4	44.3	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	101.09	-51.1	-4.1	0.0	-0.2	0.00	0.0	0.0	41.7	0.0	-3.8	0.0	37.9	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	101.09	-51.1	-4.1	0.0	-0.2	0.00	0.0	0.0	41.7	0.0	-3.8	0.0	37.9	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	272.14	-59.7	-4.6	-2.6	-0.5	0.00	0.0	0.0	29.6	0.0	-3.8	6.4	32.2	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	272.14	-59.7	-4.6	-2.6	-0.5	0.00	0.0	0.0	29.6	0.0	-3.8	0.0	25.8	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	272.14	-59.7	-4.6	-2.6	-0.5	0.00	0.0	0.0	29.6	0.0	-3.8	0.0	25.8	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	82.00	-49.3	-2.4	0.0	-0.6	0.00	0.0	0.9	51.7	0.0	-7.8	6.4	50.3	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	82.00	-49.3	-2.4	0.0	-0.6	0.00	0.0	0.9	51.7	0.0	-7.8	0.0	43.9	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	82.00	-49.3	-2.4	0.0	-0.6	0.00	0.0	0.9	51.7	0.0	-7.8	0.0	43.9	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	34.29	-41.7	-0.7	0.0	0.0	0.00	0.0	0.1	68.2	0.0	-3.8	6.4	70.8	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	34.29	-41.7	-0.7	0.0	0.0	0.00	0.0	0.1	68.2	0.0	-3.8	0.0	64.4	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	34.29	-41.7	-0.7	0.0	0.0	0.00	0.0	0.1	68.2	0.0	-3.8	0.0	64.4	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	189.46	-56.5	-4.5	-0.4	-0.4	0.00	0.0	0.0	49.2	0.0	-3.8	6.4	51.8	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	189.46	-56.5	-4.5	-0.4	-0.4	0.00	0.0	0.0	49.2	0.0	-3.8	0.0	45.4	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	189.46	-56.5	-4.5	-0.4	-0.4	0.00	0.0	0.0	49.2	0.0	-3.8	0.0	45.4	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	101.17	-51.1	-4.1	0.0	-0.2	0.00	0.0	0.0	55.7	0.0	-3.8	6.4	58.3	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	101.17	-51.1	-4.1	0.0	-0.2	0.00	0.0	0.0	55.7	0.0	-3.8	0.0	51.9	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	101.17	-51.1	-4.1	0.0	-0.2	0.00	0.0	0.0	55.7	0.0	-3.8	0.0	51.9	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	189.83	-56.6	-4.5	-0.4	-0.4	0.00	0.0	0.0	35.2	0.0	-3.8	6.4	37.8	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	189.83	-56.6	-4.5	-0.4	-0.4	0.00	0.0	0.0	35.2	0.0	-3.8	0.0	31.4	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	189.83	-56.6	-4.5	-0.4	-0.4	0.00	0.0	0.0	35.2	0.0	-3.8	0.0	31.4	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	132.75	-53.5	-4.3	0.0	-0.3	0.00	0.0	0.0	39.0	0.0	-3.8	6.4	41.6	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	132.75	-53.5	-4.3	0.0	-0.3	0.00	0.0	0.0	39.0	0.0	-3.8	0.0	35.2	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	132.75	-53.5	-4.3	0.0	-0.3	0.00	0.0	0.0	39.0	0.0	-3.8	0.0	35.2	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	34.29	-41.7	-0.7	0.0	0.0	0.00	0.0	0.1	54.2	0.0	-3.8	6.4	56.8	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	34.29	-41.7	-0.7	0.0	0.0	0.00	0.0	0.1	54.2	0.0	-3.8	0.0	50.4	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	34.29	-41.7	-0.7	0.0	0.0	0.00	0.0	0.1	54.2	0.0	-3.8	0.0	50.4	
Receiver ST-8 FI G Leq,d 58.4 dB(A) Leq,n 58.4 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	70.11	-47.9	-3.6	0.0	-0.1	0.00	0.0	0.3	45.6	0.0	-3.8	6.4	48.2	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	70.11	-47.9	-3.6	0.0	-0.1	0.00	0.0	0.3	45.6	0.0	-3.8	0.0	41.8	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	70.11	-47.9	-3.6	0.0	-0.1	0.00	0.0	0.3	45.6	0.0	-3.8	0.0	41.8	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	240.15	-58.6	-4.5	0.0	-0.5	0.00	0.0	2.2	35.7	0.0	-3.8	6.4	38.3	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	240.15	-58.6	-4.5	0.0	-0.5	0.00	0.0	2.2	35.7	0.0	-3.8	0.0	31.9	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	240.15	-58.6	-4.5	0.0	-0.5	0.00	0.0	2.2	35.7	0.0	-3.8	0.0	31.9	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	96.89	-50.7	-2.5	0.0	-0.7	0.00	0.0	1.2	50.3	0.0	-7.8	6.4	48.9	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	96.89	-50.7	-2.5	0.0	-0.7	0.00	0.0	1.2	50.3	0.0	-7.8	0.0	42.5	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	96.89	-50.7	-2.5	0.0	-0.7	0.00	0.0	1.2	50.3	0.0	-7.8	0.0	42.5	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	116.52	-52.3	-4.2	-1.3	-0.2	0.00	0.0	1.9	54.9	0.0	-3.8	6.4	57.5	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	116.52	-52.3	-4.2	-1.3	-0.2	0.00	0.0	1.9	54.9	0.0	-3.8	0.0	51.1	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	116.52	-52.3	-4.2	-1.3	-0.2	0.00	0.0	1.9	54.9	0.0	-3.8	0.0	51.1	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	133.15	-53.5	-4.3	0.0	-0.3	0.00	0.0	2.0	55.0	0.0	-3.8	6.4	57.6	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	133.15	-53.5	-4.3	0.0	-0.3	0.00	0.0	2.0	55.0	0.0	-3.8	0.0	51.2	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	133.15	-53.5	-4.3	0.0	-0.3	0.00	0.0	2.0	55.0	0.0	-3.8	0.0	51.2	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	70.17	-47.9	-3.6	0.0	-0.1	0.00	0.0	0.2	59.6	0.0	-3.8	6.4	62.2	

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Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	70.17	-47.9	-3.6	0.0	-0.1	0.00	0.0	0.2	59.6	0.0	-3.8	0.0	55.8	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	70.17	-47.9	-3.6	0.0	-0.1	0.00	0.0	0.2	59.6	0.0	-3.8	0.0	55.8	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	133.49	-53.5	-4.3	0.0	-0.3	0.00	0.0	2.0	41.0	0.0	-3.8	6.4	43.6	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	133.49	-53.5	-4.3	0.0	-0.3	0.00	0.0	2.0	41.0	0.0	-3.8	0.0	37.2	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	133.49	-53.5	-4.3	0.0	-0.3	0.00	0.0	2.0	41.0	0.0	-3.8	0.0	37.2	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	100.86	-51.1	-4.1	0.0	-0.2	0.00	0.0	0.2	41.8	0.0	-3.8	6.4	44.4	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	100.86	-51.1	-4.1	0.0	-0.2	0.00	0.0	0.2	41.8	0.0	-3.8	0.0	38.0	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	100.86	-51.1	-4.1	0.0	-0.2	0.00	0.0	0.2	41.8	0.0	-3.8	0.0	38.0	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	116.52	-52.3	-4.2	-1.3	-0.2	0.00	0.0	1.9	40.9	0.0	-3.8	6.4	43.5	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	116.52	-52.3	-4.2	-1.3	-0.2	0.00	0.0	1.9	40.9	0.0	-3.8	0.0	37.1	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	116.52	-52.3	-4.2	-1.3	-0.2	0.00	0.0	1.9	40.9	0.0	-3.8	0.0	37.1	
Receiver ST-9 Fl G Leq,d 49.0 dB(A) Leq,n 49.0 dB(A)																						
Auxillary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	320.32	-61.1	-4.6	0.0	-0.6	0.00	0.0	1.3	32.0	0.0	-3.8	6.4	34.6	
Auxillary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	320.32	-61.1	-4.6	0.0	-0.6	0.00	0.0	1.3	32.0	0.0	-3.8	0.0	28.2	
Auxillary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	320.32	-61.1	-4.6	0.0	-0.6	0.00	0.0	1.3	32.0	0.0	-3.8	0.0	28.2	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	107.21	-51.6	-4.0	-1.2	-0.2	0.00	0.0	0.9	40.9	0.0	-3.8	6.4	43.5	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	107.21	-51.6	-4.0	-1.2	-0.2	0.00	0.0	0.9	40.9	0.0	-3.8	0.0	37.1	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	107.21	-51.6	-4.0	-1.2	-0.2	0.00	0.0	0.9	40.9	0.0	-3.8	0.0	37.1	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	351.08	-61.9	-2.5	0.0	-2.0	0.00	0.0	1.8	38.4	0.0	-7.8	6.4	37.0	

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Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w	Lw	I or A	KI	KT	DO	S	Adiv	Agr	Abar	Aatm	Amisc	ADI	dLrefl	Ls	Cmet	dLw	ZR	Lr	
			dB(A)	dB(A)	m,m²	dB	dB	dB	m	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB	dB(A)	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	351.08	-61.9	-2.5	0.0	-2.0	0.00	0.0	1.8	38.4	0.0	-7.8	0.0	30.6	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	351.08	-61.9	-2.5	0.0	-2.0	0.00	0.0	1.8	38.4	0.0	-7.8	0.0	30.6	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	395.61	-62.9	-4.6	0.0	-0.8	0.00	0.0	1.4	44.1	0.0	-3.8	6.4	46.7	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	395.61	-62.9	-4.6	0.0	-0.8	0.00	0.0	1.4	44.1	0.0	-3.8	0.0	40.3	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	395.61	-62.9	-4.6	0.0	-0.8	0.00	0.0	1.4	44.1	0.0	-3.8	0.0	40.3	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	203.28	-57.2	-4.5	0.0	-0.4	0.00	0.0	1.0	50.0	0.0	-3.8	6.4	52.6	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	203.28	-57.2	-4.5	0.0	-0.4	0.00	0.0	1.0	50.0	0.0	-3.8	0.0	46.2	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	203.28	-57.2	-4.5	0.0	-0.4	0.00	0.0	1.0	50.0	0.0	-3.8	0.0	46.2	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	320.17	-61.1	-4.6	0.0	-0.6	0.00	0.0	1.3	46.0	0.0	-3.8	6.4	48.6	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	320.17	-61.1	-4.6	0.0	-0.6	0.00	0.0	1.3	46.0	0.0	-3.8	0.0	42.2	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	320.17	-61.1	-4.6	0.0	-0.6	0.00	0.0	1.3	46.0	0.0	-3.8	0.0	42.2	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	202.71	-57.1	-4.5	0.0	-0.4	0.00	0.0	1.0	36.1	0.0	-3.8	6.4	38.7	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	202.71	-57.1	-4.5	0.0	-0.4	0.00	0.0	1.0	36.1	0.0	-3.8	0.0	32.3	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	202.71	-57.1	-4.5	0.0	-0.4	0.00	0.0	1.0	36.1	0.0	-3.8	0.0	32.3	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	266.64	-59.5	-4.5	0.0	-0.5	0.00	0.0	1.9	34.3	0.0	-3.8	6.4	36.9	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	266.64	-59.5	-4.5	0.0	-0.5	0.00	0.0	1.9	34.3	0.0	-3.8	0.0	30.5	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	266.64	-59.5	-4.5	0.0	-0.5	0.00	0.0	1.9	34.3	0.0	-3.8	0.0	30.5	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	395.61	-62.9	-4.6	0.0	-0.8	0.00	0.0	1.4	30.1	0.0	-3.8	6.4	32.7	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	395.61	-62.9	-4.6	0.0	-0.8	0.00	0.0	1.4	30.1	0.0	-3.8	0.0	26.3	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	395.61	-62.9	-4.6	0.0	-0.8	0.00	0.0	1.4	30.1	0.0	-3.8	0.0	26.3	
Receiver ST-10 FI G Leq,d 58.6 dB(A) Leq,n 58.6 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	174.65	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	36.4	0.0	-3.8	6.4	39.0	

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Mean propagation Leq - Playfields

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	174.65	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	36.4	0.0	-3.8	0.0	32.6	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	174.65	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	36.4	0.0	-3.8	0.0	32.6	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	100.78	-51.1	-3.9	0.0	-0.2	0.00	0.0	0.8	42.7	0.0	-3.8	6.4	45.3	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	100.78	-51.1	-3.9	0.0	-0.2	0.00	0.0	0.8	42.7	0.0	-3.8	0.0	38.9	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	100.78	-51.1	-3.9	0.0	-0.2	0.00	0.0	0.8	42.7	0.0	-3.8	0.0	38.9	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	206.98	-57.3	-2.5	0.0	-1.3	0.00	0.0	0.4	42.2	0.0	-7.8	6.4	40.8	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	206.98	-57.3	-2.5	0.0	-1.3	0.00	0.0	0.4	42.2	0.0	-7.8	0.0	34.4	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	206.98	-57.3	-2.5	0.0	-1.3	0.00	0.0	0.4	42.2	0.0	-7.8	0.0	34.4	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	250.43	-59.0	-4.6	-0.1	-0.5	0.00	0.0	0.0	46.9	0.0	-3.8	6.4	49.5	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	250.43	-59.0	-4.6	-0.1	-0.5	0.00	0.0	0.0	46.9	0.0	-3.8	0.0	43.1	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	250.43	-59.0	-4.6	-0.1	-0.5	0.00	0.0	0.0	46.9	0.0	-3.8	0.0	43.1	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	61.48	-46.8	-2.5	0.0	-0.1	0.00	0.0	0.1	61.7	0.0	-3.8	6.4	64.3	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	61.48	-46.8	-2.5	0.0	-0.1	0.00	0.0	0.1	61.7	0.0	-3.8	0.0	57.9	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	61.48	-46.8	-2.5	0.0	-0.1	0.00	0.0	0.1	61.7	0.0	-3.8	0.0	57.9	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	174.48	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	50.4	0.0	-3.8	6.4	53.0	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	174.48	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	50.4	0.0	-3.8	0.0	46.6	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	174.48	-55.8	-4.4	0.0	-0.3	0.00	0.0	0.0	50.4	0.0	-3.8	0.0	46.6	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	60.51	-46.6	-2.4	0.0	-0.1	0.00	0.0	0.1	47.9	0.0	-3.8	6.4	50.5	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	60.51	-46.6	-2.4	0.0	-0.1	0.00	0.0	0.1	47.9	0.0	-3.8	0.0	44.1	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	60.51	-46.6	-2.4	0.0	-0.1	0.00	0.0	0.1	47.9	0.0	-3.8	0.0	44.1	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	127.93	-53.1	-4.3	0.0	-0.2	0.00	0.0	0.0	39.4	0.0	-3.8	6.4	42.0	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	127.93	-53.1	-4.3	0.0	-0.2	0.00	0.0	0.0	39.4	0.0	-3.8	0.0	35.6	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	127.93	-53.1	-4.3	0.0	-0.2	0.00	0.0	0.0	39.4	0.0	-3.8	0.0	35.6	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	250.43	-59.0	-4.6	-0.1	-0.5	0.00	0.0	0.0	32.9	0.0	-3.8	6.4	35.5	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	250.43	-59.0	-4.6	-0.1	-0.5	0.00	0.0	0.0	32.9	0.0	-3.8	0.0	29.1	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	250.43	-59.0	-4.6	-0.1	-0.5	0.00	0.0	0.0	32.9	0.0	-3.8	0.0	29.1	
Receiver ST-11 FI G Leq,d 52.7 dB(A) Leq,n 52.7 dB(A)																						
Auxiliary Field	Area	Ldn	58.8	94.0	3321.1	0.0	0.0	3	180.67	-56.1	-4.5	-1.0	-0.4	0.00	0.0	1.7	36.8	0.0	-3.8	6.4	39.4	
Auxiliary Field	Area	Leq,d	58.8	94.0	3321.1	0.0	0.0	3	180.67	-56.1	-4.5	-1.0	-0.4	0.00	0.0	1.7	36.8	0.0	-3.8	0.0	33.0	
Auxiliary Field	Area	Leq,n	58.8	94.0	3321.1	0.0	0.0	3	180.67	-56.1	-4.5	-1.0	-0.4	0.00	0.0	1.7	36.8	0.0	-3.8	0.0	33.0	
Baseball Field	Area	Ldn	54.1	94.0	9687.3	0.0	0.0	3	397.43	-63.0	-4.7	-1.8	-0.8	0.00	0.0	3.1	29.9	0.0	-3.8	6.4	32.5	
Baseball Field	Area	Leq,d	54.1	94.0	9687.3	0.0	0.0	3	397.43	-63.0	-4.7	-1.8	-0.8	0.00	0.0	3.1	29.9	0.0	-3.8	0.0	26.1	
Baseball Field	Area	Leq,n	54.1	94.0	9687.3	0.0	0.0	3	397.43	-63.0	-4.7	-1.8	-0.8	0.00	0.0	3.1	29.9	0.0	-3.8	0.0	26.1	
Bleachers	Area	Ldn	75.7	103.0	535.1	0.0	0.0	0	159.80	-55.1	-2.5	0.0	-1.0	0.00	0.0	0.6	45.0	0.0	-7.8	6.4	43.6	
Bleachers	Area	Leq,d	75.7	103.0	535.1	0.0	0.0	0	159.80	-55.1	-2.5	0.0	-1.0	0.00	0.0	0.6	45.0	0.0	-7.8	0.0	37.2	
Bleachers	Area	Leq,n	75.7	103.0	535.1	0.0	0.0	0	159.80	-55.1	-2.5	0.0	-1.0	0.00	0.0	0.6	45.0	0.0	-7.8	0.0	37.2	
Ref Whistle	Area	Ldn	68.2	108.0	9638.5	0.0	0.0	3	121.28	-52.7	-4.3	-0.6	-0.2	0.00	0.0	0.8	54.0	0.0	-3.8	6.4	56.6	
Ref Whistle	Area	Leq,d	68.2	108.0	9638.5	0.0	0.0	3	121.28	-52.7	-4.3	-0.6	-0.2	0.00	0.0	0.8	54.0	0.0	-3.8	0.0	50.2	
Ref Whistle	Area	Leq,n	68.2	108.0	9638.5	0.0	0.0	3	121.28	-52.7	-4.3	-0.6	-0.2	0.00	0.0	0.8	54.0	0.0	-3.8	0.0	50.2	
Ref Whistle	Area	Ldn	69.1	108.0	7842.7	0.0	0.0	3	290.69	-60.3	-4.7	-2.7	-0.6	0.00	0.0	3.2	46.0	0.0	-3.8	6.4	48.6	
Ref Whistle	Area	Leq,d	69.1	108.0	7842.7	0.0	0.0	3	290.69	-60.3	-4.7	-2.7	-0.6	0.00	0.0	3.2	46.0	0.0	-3.8	0.0	42.2	
Ref Whistle	Area	Leq,n	69.1	108.0	7842.7	0.0	0.0	3	290.69	-60.3	-4.7	-2.7	-0.6	0.00	0.0	3.2	46.0	0.0	-3.8	0.0	42.2	
Ref Whistle	Area	Ldn	72.8	108.0	3340.1	0.0	0.0	3	180.79	-56.1	-4.5	-1.0	-0.4	0.00	0.0	1.7	50.8	0.0	-3.8	6.4	53.4	
Ref Whistle	Area	Leq,d	72.8	108.0	3340.1	0.0	0.0	3	180.79	-56.1	-4.5	-1.0	-0.4	0.00	0.0	1.7	50.8	0.0	-3.8	0.0	47.0	
Ref Whistle	Area	Leq,n	72.8	108.0	3340.1	0.0	0.0	3	180.79	-56.1	-4.5	-1.0	-0.4	0.00	0.0	1.7	50.8	0.0	-3.8	0.0	47.0	
Soccer Field	Area	Ldn	55.0	94.0	7953.1	0.0	0.0	3	291.11	-60.3	-4.7	-2.7	-0.6	0.00	0.0	3.2	32.0	0.0	-3.8	6.4	34.6	

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Source	Source type	Time slice	L'w dB(A)	Lw dB(A)	I or A m,m²	KI dB	KT dB	DO dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	Amisc dB	ADI dB	dLrefl dB(A)	Ls dB(A)	Cmet dB	dLw dB	ZR dB	Lr dB(A)	
Soccer Field	Area	Leq,d	55.0	94.0	7953.1	0.0	0.0	3	291.11	-60.3	-4.7	-2.7	-0.6	0.00	0.0	3.2	32.0	0.0	-3.8	0.0	28.2	
Soccer Field	Area	Leq,n	55.0	94.0	7953.1	0.0	0.0	3	291.11	-60.3	-4.7	-2.7	-0.6	0.00	0.0	3.2	32.0	0.0	-3.8	0.0	28.2	
Softball Field	Area	Ldn	60.4	94.0	2271.0	0.0	0.0	3	233.58	-58.4	-4.6	-0.7	-0.4	0.00	0.0	2.3	35.2	0.0	-3.8	6.4	37.8	
Softball Field	Area	Leq,d	60.4	94.0	2271.0	0.0	0.0	3	233.58	-58.4	-4.6	-0.7	-0.4	0.00	0.0	2.3	35.2	0.0	-3.8	0.0	31.4	
Softball Field	Area	Leq,n	60.4	94.0	2271.0	0.0	0.0	3	233.58	-58.4	-4.6	-0.7	-0.4	0.00	0.0	2.3	35.2	0.0	-3.8	0.0	31.4	
Track and Field	Area	Ldn	54.2	94.0	9638.5	0.0	0.0	3	121.28	-52.7	-4.3	-0.6	-0.2	0.00	0.0	0.8	40.0	0.0	-3.8	6.4	42.6	
Track and Field	Area	Leq,d	54.2	94.0	9638.5	0.0	0.0	3	121.28	-52.7	-4.3	-0.6	-0.2	0.00	0.0	0.8	40.0	0.0	-3.8	0.0	36.2	
Track and Field	Area	Leq,n	54.2	94.0	9638.5	0.0	0.0	3	121.28	-52.7	-4.3	-0.6	-0.2	0.00	0.0	0.8	40.0	0.0	-3.8	0.0	36.2	

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Octave spectra of the sources in dB(A) - Playfields

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Name	Source type	I or A m,m²	Li dB(A)	L'w dB(A)	Lw dB(A)	KI dB	KT dB	Day histogram	Emission spectrum	125Hz dB(A)	250Hz dB(A)	500Hz dB(A)	1kHz dB(A)	2kHz dB(A)	4kHz dB(A)	8kHz dB(A)	
Auxillary Field	Area	3321.09		58.8	94.0	0.0	0.0	Sporting Event	American Football, Players			94.0					
Baseball Field	Area	9687.35		54.1	94.0	0.0	0.0	Sporting Event	American Football, Players			94.0					
Bleachers	Area	535.13		75.7	103.0	0.0	0.0	Crowd during Game 10 min 60*10 sec	American Football, Spectators`s area	77.0	92.1	99.9	95.9	95.6	89.2	80.1	
Ref Whistle	Area	9638.45		68.2	108.0	0.0	0.0	Sporting Event	American Football, Referee`s whistle			108.0					
Ref Whistle	Area	7842.68		69.1	108.0	0.0	0.0	Sporting Event	American Football, Referee`s whistle			108.0					
Ref Whistle	Area	3340.10		72.8	108.0	0.0	0.0	Sporting Event	American Football, Referee`s whistle			108.0					
Soccer Field	Area	7953.11		55.0	94.0	0.0	0.0	Sporting Event	American Football, Players			94.0					
Softball Field	Area	2271.03		60.4	94.0	0.0	0.0	Sporting Event	American Football, Players			94.0					
Track and Field	Area	9638.45		54.2	94.0	0.0	0.0	Sporting Event	American Football, Players			94.0					

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