

# APPENDIX F NOISE AND VIBRATION ANALYSIS SUPPORTING MATERIAL

# Noise and Vibration Supporting Material

RCNM Outputs for Construction Noise

Traffic Noise Model

Vibration Propagation Calculations

Noise Monitoring Reports

# RCNM Outputs for Construction Noise











Total	81.3	74.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Barbers Point	Residential	63	63	60

Equipment

		Spec	Actual	Receptor	Estimated
		Lmax	Lmax	Distance	Shielding
Description	Impact	Device	Usage(%)	(dBA)	(dBA)
Impact Pile Driver	Yes		20	101.3	1100
Crane	No		16	80.6	1100

Results

	Calculated (dBA)	Noise Limits (dBA)						Noise Limit Exceedance (dBA)						
		Day		Evening		Night		Day		Evening		Night		
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Impact Pile Driver	74.4		67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	53.7		45.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	74.4		67.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Landing at Bay 37	Residential	58	55	52

Equipment

		Spec	Actual	Receptor	Estimated
		Lmax	Lmax	Distance	Shielding
Description	Impact	Device	Usage(%)	(dBA)	(dBA)
Impact Pile Driver	Yes		20	101.3	500
Crane	No		16	80.6	500

Results

	Calculated (dBA)	Noise Limits (dBA)						Noise Limit Exceedance (dBA)						
		Day		Evening		Night		Day		Evening		Night		
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Impact Pile Driver	81.3		74.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	60.6		52.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	81.3		74.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.



N/A	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		51.7	49.3	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A						

\*\*\*\* Receptor #2 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
4th Street Residences	Residential	-- 69	69.0	64.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Haul Tug Boat with Scow (Solana)	No	50		80.0	1800.0	0.0
Electric Dredge	No	50		72.0	1800.0	0.0

Results

Noise Limit Exceedance (dBA)

Noise Limits (dBA)

Day	Evening		Calculated (dBA) Night		Day		Evening		Night	
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Haul Tug Boat with Scow (Solana)			48.9	45.9	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A						
Electric Dredge			40.9	37.9	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A						



N/A N/A N/A N/A N/A N/A

\*\*\*\* Receptor #4 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Marina Live Aboards	Residential	73.0	71.0	70.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Haul Tug Boat with Scow (Solana)	No	50		80.0	1400.0	0.0
Electric Dredge	No	50		72.0	1400.0	0.0

Results

Noise Limit Exceedance (dBA)

Noise Limits (dBA)

Day	Calculated (dBA)				Noise Limits (dBA)					
	Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Haul Tug Boat with Scow (Solana)	N/A	N/A	N/A	N/A	51.1	48.0	N/A	N/A	N/A	N/A
Electric Dredge	N/A	N/A	N/A	N/A	43.1	40.0	N/A	N/A	N/A	N/A
Total	N/A	N/A	N/A	N/A	51.1	48.7	N/A	N/A	N/A	N/A



N/A	N/A	N/A	N/A	N/A								
			Total	51.4	46.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A								

\*\*\*\* Receptor #2 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Mosley Avenue	Residential	55.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tug Boat with Scow (Solana)	No	25		80.0	600.0	0.0
Electric Dredge	No	50		72.0	600.0	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
Equipment	Leq	Lmax	Leq	Lmax	Leq						
Tug Boat with Scow (Solana)				58.4	52.4	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A							
Electric Dredge				50.4	47.4	N/A	N/A	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	58.4	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A								

\*\*\*\* Receptor #3 \*\*\*\*

			Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night	
-----	-----	-----	-----	-----	
Barbers Point	Industrial	63.0	63.0	60.0	

Equipment

			Spec	Actual	Receptor	Estimated
Description	Impact	Usage	Lmax	Lmax	Distance	Shielding
-----	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)
-----	-----	-----	-----	-----	-----	-----
Tug Boat with Scow (Solana)	No	25		80.0	1200.0	0.0
Electric Dredge	No	50		72.0	1200.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

-----					-----						
					Day		Evening		Night		Day
-----					-----		-----		-----		-----
Calculated (dBA)											
Evening		Night									
-----		-----			-----		-----		-----		-----
Equipment		Lmax			Lmax		Lmax		Lmax		Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Tug Boat with Scow (Solana)		52.4			46.4		N/A		N/A		N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Electric Dredge		44.4			41.4		N/A		N/A		N/A
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		52.4			47.6		N/A		N/A		N/A

N/A N/A N/A N/A N/A

\*\*\*\* Receptor #4 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Landing at Bay 37	Residential	58.0	55.0	52.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tug Boat with Scow (Solana)	No	25		80.0	600.0	0.0
Electric Dredge	No	50		72.0	600.0	0.0

Results

Noise Limit Exceedance (dBA)						Noise Limits (dBA)						
-----						-----						
Evening		Night		Calculated (dBA)		Day		Evening		Night		Day
Leq	Lmax	Leq	Lmax	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
-----						-----						
Tug Boat with Scow (Solana)				58.4	52.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A							
Electric Dredge				50.4	47.4	N/A	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				58.4	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A							

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 08/15/2023  
 Case Description: POAK Turning Basin Widening - OHTB - Oakland Electric Dredge

\*\*\*\* Receptor #1 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Pine Street	Residential	58.0	55.0	52.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Haul Tug Boat with Scow (Solana)	No	50		80.0	5000.0	0.0
Electric Dredge	No	50		72.0	5000.0	0.0

Results

Noise Limit Exceedance (dBA)

Noise Limits (dBA)

Day	Calculated (dBA)				Noise Limits (dBA)					
	Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Haul Tug Boat with Scow (Solana)	N/A	N/A	40.0	37.0	N/A	N/A	N/A	N/A	N/A	N/A
Electric Dredge	N/A	N/A	32.0	29.0	N/A	N/A	N/A	N/A	N/A	N/A



N/A	N/A	N/A	Total	50.9	45.8	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A						

# Traffic Noise Model

Roadway Noise Analysis  
Port of Oakland  
Turning Basin Project

Existing

ROAD SEGMENT	from:	to:	TOTAL # VEHICLES	VEHICLE TYPE %						VEHICLE SPEED						NOISE LEVEL (dBA)			CALCULATED NOISE LEVEL (15 meters from roadway center)	Receptor Dist. from Roadway Center (m.)	Adjusted Noise Level (dBA)
				Auto		MT		HT		Auto		MT		HT		Auto	MT	HT			
				%	Auto	%	MT	%	HT	k/h	MT	k/h	HT	k/h	Auto	MT	HT				
Adeline	3rd	5th	650	79	513	3	19.5	8	51.976	30	48	30	48	30	48	59.5	55.9	67.3	68.2	NA	NA
Main Street	Site	Willie Stargell	600	97	582	2	12	1	6	35	56	35	56	35	56	62.0	54.8	58.5	64.1	47	59.2
Main Street	Willie Stargell	Ralph Appazzato	450	97	437	2	9	1	4.5	35	56	35	56	35	56	60.7	53.6	57.3	62.9	47	57.9
Ralph Appazzato	Main Street	Webster	1,360	97	1,319	2	27.2	1	13.6	35	56	35	56	35	56	65.5	58.4	62.1	67.7	NA	NA
Webster	Atlantic	Willie Stargell	2,070	97	2,008	2	41.4	1	20.7	35	56	35	56	35	56	67.3	60.2	63.9	69.5	NA	NA
Atlantic	Constitution	Sherman	830	97	805	2	16.6	1	8.3	25	40	25	40	25	40	59.2	54.0	58.6	62.5	25	60.3
Sherman	Atlantic	Buena Vista	1,390	97	1,348	2	27.8	1	13.9	25	40	25	40	25	40	61.4	56.2	60.8	64.8	NA	NA
Buena Vista	Sherman	Grand	1,290	97	1,251	2	25.8	1	12.9	25	40	25	40	25	40	61.1	55.9	60.5	64.5	NA	NA
Grand	Buena Vista	Clement	490	97	475	2	9.8	1	4.9	25	40	25	40	25	40	56.9	51.7	56.3	60.3	40	56.0
Clement	Grand	Park	550	97	534	2	11	1	5.5	25	40	25	40	25	40	57.4	52.2	56.8	60.8	40	56.5

Assumptions: peak hour = Existing volumes from Transportation Section Table 45  
NA = Not applicable as no distance adjustment necessary for receptors

Existing + Project

ROAD SEGMENT	from:	to:	TOTAL # VEHICLES	VEHICLE TYPE %						VEHICLE SPEED						NOISE LEVEL (dBA)			CALCULATED NOISE LEVEL (15 meters from roadway center)	Receptor Dist. from Roadway Center (m.)	Adjusted Noise Level (dBA)		
				Auto		MT		HT		Auto		MT		HT		Auto	MT	HT					
				%	Auto	%	MT	%	HT	k/h	MT	k/h	HT	k/h	Auto	MT	HT						
Calveno																							
Peak																							
Adeline	3rd	5th	654	86	565	3	19.5	10.574	69.1	30	48	30	48	30	48	59.9	55.9	68.5	69.3	NA	NA		
Main Street	Site	Willie Stargell	668	95	636	2	12.0	2.994	20.0	35	56	35	56	35	56	62.3	54.8	63.8	66.4	47	61.5		
Main Street	Willie Stargell	Ralph Appazzato	490	94	463	2	9.0	3.776	18.5	35	56	35	56	35	56	61.0	53.6	63.4	65.6	47	60.7		
Ralph Appazzato	Main Street	Webster	1,402	96	1,347	2	27.2	1.969	27.6	35	56	35	56	35	56	65.6	58.4	65.2	68.8	NA	NA		
Webster	Atlantic	Willie Stargell	2,105	97	2,034	2	41.4	1.389	29.2	35	56	35	56	35	56	67.4	60.2	65.4	70.0	NA	NA		
Atlantic	Constitution	Sherman	835	96	805	2	16.6	1.647	13.8	25	40	25	40	25	40	59.2	54.0	60.8	63.6	25	61.3		
Sherman	Atlantic	Buena Vista	1,395	97	1,348	2	27.8	1.387	19.4	25	40	25	40	25	40	61.4	56.2	62.3	65.4	NA	NA		
Buena Vista	Sherman	Grand	1,295	97	1,251	2	25.8	1.417	18.4	25	40	25	40	25	40	61.1	55.9	62.0	65.1	40	60.9		
Grand	Buena Vista	Clement	776	97	756	1	9.8	1.334	10.4	25	40	25	40	25	40	58.9	51.7	59.6	62.6	40	58.3		
Clement	Grand	Park	568	96	547	2	11.0	1.928	11.0	25	40	25	40	25	40	57.5	52.2	59.8	62.2	40	58.0		

Assumptions: peak hour = Existing volumes from Transportation Section Table 45  
NA = Not applicable as no distance adjustment necessary for receptors

Vibration  
Propagation  
Calculations for  
Construction

**Vibration propagation from Construction Equipment**

Formula from FTA, 2018 =  $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$   
 where  
 Receptors 1 and 3: 2900 Main Street Building and Howard Terminal Ballpark

PPV refs @ 25 ft =		<a href="#">PPV@25ft</a>
	pile driver (impact)	0.65
	Vibratory Roller	0.21
	Bulldozer (large)	0.089
	Truck (loaded)	0.076
	Jackhammer	0.035
	Dozer (Small)	0.003

Enter distance =  Adjacent Buildings

Resultant PPV =	pile driver (impact)	0.08125
	Vibratory Roller	0.02625
	Bulldozer (large)	0.01113
	Truck (loaded)	0.0095
	Jackhammer	0.00438

	<a href="#">Lv@25 ft</a>
pile driver (impact)	104
Vibratory Roller	94
Bulldozer (large)	87
Truck (loaded)	86
Jackhammer	79
Dozer (Small)	53

Formula from FTA 2018 =  $Lv(D) = Lv(25 ft) - 30 \log(D/25)$

Resultant Lv =	pile driver (impact)	85.9382
	Vibratory Roller	75.9382
	Bulldozer (large)	68.9382
	Truck (loaded)	67.9382
	Jackhammer	60.9382
	Dozer (Small)	34.9382

Receptor 2: Schnitzer Steel

PPV refs @ 25 ft =		<a href="#">PPV@25ft</a>
	pile driver (impact)	0.644
	pile driver (sonic)	0.17
	Bulldozer (large)	0.089
	Truck (loaded)	0.076
	Jackhammer	0.035

Enter distance =  Arnold Heights Elementary School

Resultant PPV =	pile driver (impact)	0.004346591
	pile driver (sonic)	0.001147392
	Bulldozer (large)	0.000600694
	Truck (loaded)	0.000512952
	Jackhammer	0.000236228

	<a href="#">Lv@25 ft</a>
pile driver (impact)	104
pile driver (sonic)	93
Bulldozer (large)	87
Truck (loaded)	86
Jackhammer	79

Resultant Lv =	pile driver (impact)	60.5853
	pile driver (sonic)	49.5853
	Bulldozer (large)	43.5853
	Truck (loaded)	42.5853
	Jackhammer	35.5853

Receptor 3: Tra Pac Administrative Building

PPV refs @ 25 ft =		<a href="#">PPV@25ft</a>
	pile driver (impact)	0.644
	pile driver (sonic)	0.17
	Bulldozer (large)	0.089
	Truck (loaded)	0.076
	Jackhammer	0.035

Enter distance =  Arnold Heights Elementary School

Resultant PPV =	pile driver (impact)	0.00435
	pile driver (sonic)	0.00115
	Bulldozer (large)	0.0006
	Truck (loaded)	0.00051
	Jackhammer	0.00024

	<a href="#">Lv@25 ft</a>
pile driver (impact)	104
pile driver (sonic)	93
Bulldozer (large)	87
Truck (loaded)	86
Jackhammer	79

Resultant Lv =	pile driver (impact)	60.5853
	pile driver (sonic)	49.5853
	Bulldozer (large)	43.5853
	Truck (loaded)	42.5853
	Jackhammer	35.5853

# Noise Level Monitoring Data

Calculated Ldn from long-term noise monitoring data

LT-1

	TIME	dBA	Remove LOG	10 dBA Penalized Values	5 dBA Penalized Values
5/15/2021	Midnight 0 / 24	61.6	1453316	14533158	4595788
	am 1:00	100 61.8	1496739	14967387	4733103
	2:00	200 60.3	1063864	10638637	3364232
	3:00	300 56.3	424646	4246460	1342848
	4:00	400 55.7	367609	3676089	1162481
	5:00	500 55.8	379340	3793403	1199579
	6:00	600 53.9	248024	2480242	784321
	7:00	700 58.5	704685	7046850	2228409
	8:00	800 60.0	1010067	10100666	3194111
	9:00	900 61.4	1380699	13806990	4366153
	10:00	1000 62.7	1882738	18827385	5953742
	11:00	1100 64.3	2700598	27005984	8540042
	12:00	1200 64.9	3068902	30689019	9704720
	pm 1:00	1300 63.7	2323850	23238495	7348657
	2:00	1400 63.9	2446752	24467523	7737310
	3:00	1500 64.4	2739403	27394035	8662754
	4:00	1600 64.3	2701506	27015064	8542913
	5:00	1700 64.3	2715495	27154950	8587149
	6:00	1800 64.6	2879095	28790950	9104498
	7:00	1900 64.3	2704052	27040518	8550962
	8:00	2000 63.2	2082927	20829268	6586793
	9:00	2100 61.9	1554726	15547265	4916477
	10:00	2200 60.1	1029205	10292053	3254633
	pm 11:00	2300 62.1	1624355	16243552	5136662

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**60** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**64** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)**

**60** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**63** dBA

**Leq 24-Hour**

**62** dBA

**Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

**67** dBA

**CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,  
and 10 dBA penalty for noise between  
10:00 p.m. and 7:00 a.m.**

**67** dBA

**CNEL - Ldn =0.494243526**

## Summary

File Name on Meter	LxT_Data.095
File Name on PC	SLM_0004437_LxT_Data_095.00.ldbin
Serial Number	0004437
Model	SoundTrack LxT®
Firmware Version	2.403
User	C. Sanchez
Location	LT-1 Alameda across from Ferry terminal entrance
Job Description	Port of Oakland Turning Basin
Note	

## Measurement

Description	
Start	2021-05-15 00:00:00
Stop	2021-05-25 12:00:00
Duration	252:00:00.0
Run Time	252:00:00.0
Pause	00:00:00.0
Pre Calibration	2021-05-14 08:53:39
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Linear		
Overload	142.4 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	98.7	95.7	<b>100.7</b> dB
Under Range Limit	<b>37.1</b>	36.7	43.4 dB
Noise Floor	28.0	27.5	34.3 dB

## Results

LAeq	62.3	
LAE	121.9	
EA	171.534 mPa <sup>2</sup> h	
EA8	5.446 mPa <sup>2</sup> h	
EA40	27.228 mPa <sup>2</sup> h	
LZpeak (max)	2021-05-23 00:14:29	132.8 dB
LASmax	2021-05-25 00:39:51	96.8 dB
LASmin	2021-05-16 03:54:39	37.4 dB
SEA	144.2 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	58	164.6 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LZpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LZpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LZpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCeq	75.1 dB	
LAeq	62.3 dB	
LCeq - LAeq	12.7 dB	
LAlaq	65.7 dB	
LAeq	62.3 dB	
LAlaq - LAeq	3.3 dB	

Record #	Record Type	Date	Time	LAeq	LASmax	LASmin	OVLD	Marker
1	Run	2021-05-15	0:00:00					
2		2021-05-15	0:00:00	61.6	85.6	44.8	No	
3		2021-05-15	1:00:00	61.8	84.1	44.7	No	
4		2021-05-15	2:00:00	60.3	82.9	44.4	No	
5		2021-05-15	3:00:00	56.3	80.3	43.1	No	
6		2021-05-15	4:00:00	55.7	81.9	42.8	No	
7		2021-05-15	5:00:00	55.8	79.8	43.0	No	
8		2021-05-15	6:00:00	53.9	77.2	42.8	No	
9		2021-05-15	7:00:00	58.5	80.0	43.3	No	
10		2021-05-15	8:00:00	60.0	81.2	43.3	No	
11		2021-05-15	9:00:00	61.4	81.7	43.7	No	
12		2021-05-15	10:00:00	62.7	79.7	43.1	No	
13		2021-05-15	11:00:00	64.3	91.1	42.4	No	
14		2021-05-15	12:00:00	64.9	85.0	42.3	No	
15		2021-05-15	13:00:00	63.7	81.6	42.5	No	
16		2021-05-15	14:00:00	63.9	85.5	43.6	No	
17		2021-05-15	15:00:00	64.4	85.2	44.2	No	
18		2021-05-15	16:00:00	64.3	84.9	44.2	No	
19		2021-05-15	17:00:00	64.3	83.8	42.7	No	
20		2021-05-15	18:00:00	64.6	87.2	43.5	No	
21		2021-05-15	19:00:00	64.3	86.3	45.2	No	
22		2021-05-15	20:00:00	63.2	81.9	45.8	No	
23		2021-05-15	21:00:00	61.9	83.5	43.8	No	
24		2021-05-15	22:00:00	60.1	81.7	43.1	No	
25		2021-05-15	23:00:00	62.1	84.3	40.8	No	
26		2021-05-16	0:00:00	57.7	80.2	40.8	No	
27		2021-05-16	1:00:00	56.3	81.9	40.0	No	
28		2021-05-16	2:00:00	54.5	80.5	38.2	No	
29		2021-05-16	3:00:00	50.9	75.7	37.4	No	
30		2021-05-16	4:00:00	51.7	78.7	38.4	No	
31		2021-05-16	5:00:00	53.5	76.3	41.2	No	
32		2021-05-16	6:00:00	54.0	76.8	40.6	No	
33		2021-05-16	7:00:00	58.6	80.9	40.9	No	
34		2021-05-16	8:00:00	62.4	88.4	41.8	No	
35		2021-05-16	9:00:00	61.2	84.3	42.2	No	
36		2021-05-16	10:00:00	64.4	86.9	44.3	No	
37		2021-05-16	11:00:00	63.5	80.5	44.7	No	
38		2021-05-16	12:00:00	66.3	85.6	45.1	No	
39		2021-05-16	13:00:00	64.6	84.8	45.1	No	
40		2021-05-16	14:00:00	65.2	90.3	45.5	No	
41		2021-05-16	15:00:00	64.2	81.8	45.8	No	
42		2021-05-16	16:00:00	64.5	83.3	43.5	No	
43		2021-05-16	17:00:00	65.2	83.2	42.7	No	
44		2021-05-16	18:00:00	64.0	82.9	43.3	No	
45		2021-05-16	19:00:00	62.5	84.6	43.9	No	
46		2021-05-16	20:00:00	65.7	84.7	43.9	No	
47		2021-05-16	21:00:00	64.3	85.6	44.0	No	

48	2021-05-16	22:00:00	60.9	82.4	42.5	No
49	2021-05-16	23:00:00	62.6	87.0	39.8	No
50	2021-05-17	0:00:00	57.0	81.2	41.3	No
51	2021-05-17	1:00:00	56.3	83.0	42.0	No
52	2021-05-17	2:00:00	53.4	77.3	46.4	No
53	2021-05-17	3:00:00	54.7	79.4	45.4	No
54	2021-05-17	4:00:00	54.4	79.0	45.0	No
55	2021-05-17	5:00:00	53.9	77.5	46.4	No
56	2021-05-17	6:00:00	57.9	79.7	47.3	No
57	2021-05-17	7:00:00	58.0	82.2	47.1	No
58	2021-05-17	8:00:00	60.1	82.7	47.2	No
59	2021-05-17	9:00:00	61.8	80.5	48.0	No
60	2021-05-17	10:00:00	61.5	80.2	47.6	No
61	2021-05-17	11:00:00	63.0	83.4	47.8	No
62	2021-05-17	12:00:00	63.5	81.8	47.4	No
63	2021-05-17	13:00:00	63.2	82.5	47.7	No
64	2021-05-17	14:00:00	63.6	83.8	49.3	No
65	2021-05-17	15:00:00	64.8	82.2	48.7	No
66	2021-05-17	16:00:00	63.9	83.4	47.9	No
67	2021-05-17	17:00:00	65.7	86.5	47.9	No
68	2021-05-17	18:00:00	65.6	85.7	49.0	No
69	2021-05-17	19:00:00	66.1	87.9	49.0	No
70	2021-05-17	20:00:00	63.7	84.1	48.8	No
71	2021-05-17	21:00:00	63.1	83.3	46.7	No
72	2021-05-17	22:00:00	65.5	93.8	46.0	No
73	2021-05-17	23:00:00	59.1	84.2	45.2	No
74	2021-05-18	0:00:00	56.8	79.3	46.0	No
75	2021-05-18	1:00:00	56.2	79.4	45.7	No
76	2021-05-18	2:00:00	56.7	81.3	44.7	No
77	2021-05-18	3:00:00	51.2	76.6	42.2	No
78	2021-05-18	4:00:00	52.0	81.2	42.5	No
79	2021-05-18	5:00:00	59.0	82.9	46.4	No
80	2021-05-18	6:00:00	60.5	84.2	48.2	No
81	2021-05-18	7:00:00	60.2	81.2	47.0	No
82	2021-05-18	8:00:00	60.5	86.3	46.7	No
83	2021-05-18	9:00:00	60.8	79.0	46.0	No
84	2021-05-18	10:00:00	61.6	81.1	45.1	No
85	2021-05-18	11:00:00	62.9	82.8	45.3	No
86	2021-05-18	12:00:00	61.8	80.3	44.0	No
87	2021-05-18	13:00:00	63.3	82.1	46.1	No
88	2021-05-18	14:00:00	62.5	82.6	47.5	No
89	2021-05-18	15:00:00	68.0	96.7	49.9	No
90	2021-05-18	16:00:00	64.4	82.9	48.9	No
91	2021-05-18	17:00:00	65.5	81.3	47.2	No
92	2021-05-18	18:00:00	65.4	84.6	47.2	No
93	2021-05-18	19:00:00	67.0	90.7	45.3	No
94	2021-05-18	20:00:00	65.3	84.9	45.4	No
95	2021-05-18	21:00:00	63.4	88.2	44.7	No

96	2021-05-18	22:00:00	61.6	82.9	42.1	No
97	2021-05-18	23:00:00	58.5	82.4	41.5	No
98	2021-05-19	0:00:00	54.6	80.8	43.3	No
99	2021-05-19	1:00:00	53.0	78.7	44.4	No
100	2021-05-19	2:00:00	54.9	80.7	43.7	No
101	2021-05-19	3:00:00	50.8	75.5	42.6	No
102	2021-05-19	4:00:00	50.8	71.3	45.8	No
103	2021-05-19	5:00:00	56.6	80.9	47.0	No
104	2021-05-19	6:00:00	60.2	79.9	46.8	No
105	2021-05-19	7:00:00	60.9	80.8	50.0	No
106	2021-05-19	8:00:00	59.6	80.7	49.1	No
107	2021-05-19	9:00:00	61.3	79.0	48.1	No
108	2021-05-19	10:00:00	63.1	83.9	49.5	No
109	2021-05-19	11:00:00	61.8	80.5	49.8	No
110	2021-05-19	12:00:00	63.2	80.5	49.3	No
111	2021-05-19	13:00:00	64.3	81.1	49.9	No
112	2021-05-19	14:00:00	64.9	86.5	50.2	No
113	2021-05-19	15:00:00	65.8	82.4	49.2	No
114	2021-05-19	16:00:00	65.4	81.9	51.2	No
115	2021-05-19	17:00:00	66.2	82.8	50.6	No
116	2021-05-19	18:00:00	65.4	81.3	50.8	No
117	2021-05-19	19:00:00	64.4	83.7	52.2	No
118	2021-05-19	20:00:00	63.3	81.9	51.5	No
119	2021-05-19	21:00:00	63.6	82.8	52.4	No
120	2021-05-19	22:00:00	62.0	83.0	52.0	No
121	2021-05-19	23:00:00	61.3	80.8	51.9	No
122	2021-05-20	0:00:00	57.8	81.2	51.5	No
123	2021-05-20	1:00:00	56.8	78.6	45.3	No
124	2021-05-20	2:00:00	52.5	75.1	44.7	No
125	2021-05-20	3:00:00	56.4	81.6	46.6	No
126	2021-05-20	4:00:00	59.4	79.2	47.8	No
127	2021-05-20	5:00:00	60.8	80.3	50.4	No
128	2021-05-20	6:00:00	62.6	80.9	53.8	No
129	2021-05-20	7:00:00	61.2	78.7	54.5	No
130	2021-05-20	8:00:00	62.3	81.9	54.1	No
131	2021-05-20	9:00:00	61.8	78.2	52.1	No
132	2021-05-20	10:00:00	61.7	80.5	50.5	No
133	2021-05-20	11:00:00	62.4	82.0	45.6	No
134	2021-05-20	12:00:00	63.4	85.0	44.7	No
135	2021-05-20	13:00:00	64.3	82.5	47.8	No
136	2021-05-20	14:00:00	63.9	80.7	46.9	No
137	2021-05-20	15:00:00	66.1	84.2	49.1	No
138	2021-05-20	16:00:00	64.3	84.0	46.6	No
139	2021-05-20	17:00:00	65.6	82.8	46.2	No
140	2021-05-20	18:00:00	66.0	83.8	48.9	No
141	2021-05-20	19:00:00	66.6	84.5	46.8	No
142	2021-05-20	20:00:00	65.8	85.4	49.3	No
143	2021-05-20	21:00:00	62.9	82.0	48.4	No

144	2021-05-20	22:00:00	60.4	82.7	47.7	No
145	2021-05-20	23:00:00	60.2	79.9	48.9	No
146	2021-05-21	0:00:00	58.0	78.6	46.3	No
147	2021-05-21	1:00:00	57.5	82.9	45.7	No
148	2021-05-21	2:00:00	56.1	83.0	44.8	No
149	2021-05-21	3:00:00	55.9	81.3	45.7	No
150	2021-05-21	4:00:00	54.3	77.4	47.0	No
151	2021-05-21	5:00:00	57.1	81.0	49.9	No
152	2021-05-21	6:00:00	59.6	82.0	51.5	No
153	2021-05-21	7:00:00	58.0	79.2	50.0	No
154	2021-05-21	8:00:00	60.5	80.7	48.7	No
155	2021-05-21	9:00:00	60.3	80.1	44.0	No
156	2021-05-21	10:00:00	60.7	81.1	42.9	No
157	2021-05-21	11:00:00	66.4	95.2	45.0	No
158	2021-05-21	12:00:00	62.9	80.7	44.1	No
159	2021-05-21	13:00:00	62.7	79.6	46.2	No
160	2021-05-21	14:00:00	63.3	84.8	48.3	No
161	2021-05-21	15:00:00	66.1	88.1	47.9	No
162	2021-05-21	16:00:00	64.8	88.8	46.6	No
163	2021-05-21	17:00:00	67.8	94.9	45.3	No
164	2021-05-21	18:00:00	65.0	86.5	44.5	No
165	2021-05-21	19:00:00	64.8	84.9	41.9	No
166	2021-05-21	20:00:00	64.0	81.8	43.3	No
167	2021-05-21	21:00:00	61.7	81.8	43.4	No
168	2021-05-21	22:00:00	63.7	92.6	42.3	No
169	2021-05-21	23:00:00	60.7	82.5	41.7	No
170	2021-05-22	0:00:00	58.8	82.0	39.1	No
171	2021-05-22	1:00:00	57.3	84.3	39.2	No
172	2021-05-22	2:00:00	54.7	80.7	38.8	No
173	2021-05-22	3:00:00	51.9	81.1	39.2	No
174	2021-05-22	4:00:00	49.9	74.9	40.3	No
175	2021-05-22	5:00:00	54.4	78.1	43.3	No
176	2021-05-22	6:00:00	56.1	82.7	43.3	No
177	2021-05-22	7:00:00	60.4	84.7	42.6	No
178	2021-05-22	8:00:00	58.7	81.4	42.8	No
179	2021-05-22	9:00:00	62.6	85.9	41.1	No
180	2021-05-22	10:00:00	63.2	85.8	42.3	No
181	2021-05-22	11:00:00	63.5	81.8	42.9	No
182	2021-05-22	12:00:00	64.4	83.3	42.5	No
183	2021-05-22	13:00:00	64.5	85.2	43.2	No
184	2021-05-22	14:00:00	65.7	85.6	46.4	No
185	2021-05-22	15:00:00	63.4	82.2	44.8	No
186	2021-05-22	16:00:00	62.9	82.0	44.2	No
187	2021-05-22	17:00:00	64.9	90.2	44.5	No
188	2021-05-22	18:00:00	64.8	88.6	44.2	No
189	2021-05-22	19:00:00	64.0	83.3	45.1	No
190	2021-05-22	20:00:00	64.2	88.8	44.9	No
191	2021-05-22	21:00:00	63.1	85.2	43.5	No

192	2021-05-22	22:00:00	61.9	82.7	40.9	No
193	2021-05-22	23:00:00	60.0	83.2	40.4	No
194	2021-05-23	0:00:00	63.1	96.0	41.0	No
195	2021-05-23	1:00:00	58.3	83.3	40.2	No
196	2021-05-23	2:00:00	55.7	80.3	40.5	No
197	2021-05-23	3:00:00	52.1	77.9	40.5	No
198	2021-05-23	4:00:00	48.3	74.2	40.4	No
199	2021-05-23	5:00:00	53.3	77.8	41.6	No
200	2021-05-23	6:00:00	58.4	80.1	42.1	No
201	2021-05-23	7:00:00	59.7	82.5	41.4	No
202	2021-05-23	8:00:00	62.7	88.1	43.0	No
203	2021-05-23	9:00:00	62.5	81.6	44.1	No
204	2021-05-23	10:00:00	62.9	80.5	42.8	No
205	2021-05-23	11:00:00	64.2	82.2	43.4	No
206	2021-05-23	12:00:00	62.0	81.1	42.9	No
207	2021-05-23	13:00:00	64.0	82.2	42.7	No
208	2021-05-23	14:00:00	63.4	83.7	43.0	No
209	2021-05-23	15:00:00	64.3	83.4	45.1	No
210	2021-05-23	16:00:00	65.5	87.4	42.6	No
211	2021-05-23	17:00:00	64.1	85.4	42.7	No
212	2021-05-23	18:00:00	65.3	87.5	42.8	No
213	2021-05-23	19:00:00	64.2	83.3	44.0	No
214	2021-05-23	20:00:00	64.6	87.9	44.7	No
215	2021-05-23	21:00:00	63.0	82.0	46.2	No
216	2021-05-23	22:00:00	60.7	81.8	46.4	No
217	2021-05-23	23:00:00	58.4	82.7	44.7	No
218	2021-05-24	0:00:00	56.2	80.2	43.0	No
219	2021-05-24	1:00:00	57.6	86.5	43.6	No
220	2021-05-24	2:00:00	55.6	82.0	41.7	No
221	2021-05-24	3:00:00	51.7	76.7	43.8	No
222	2021-05-24	4:00:00	52.4	75.9	43.7	No
223	2021-05-24	5:00:00	56.4	79.8	45.1	No
224	2021-05-24	6:00:00	59.3	81.7	46.2	No
225	2021-05-24	7:00:00	58.4	80.1	46.7	No
226	2021-05-24	8:00:00	61.2	79.8	46.8	No
227	2021-05-24	9:00:00	61.7	82.7	48.0	No
228	2021-05-24	10:00:00	61.9	80.3	48.4	No
229	2021-05-24	11:00:00	63.0	80.5	47.0	No
230	2021-05-24	12:00:00	62.7	82.0	47.2	No
231	2021-05-24	13:00:00	64.7	87.6	50.8	No
232	2021-05-24	14:00:00	63.4	84.2	50.4	No
233	2021-05-24	15:00:00	63.5	81.4	49.0	No
234	2021-05-24	16:00:00	64.1	87.8	49.5	No
235	2021-05-24	17:00:00	67.3	94.9	48.2	No
236	2021-05-24	18:00:00	63.9	85.3	48.3	No
237	2021-05-24	19:00:00	63.5	81.6	48.9	No
238	2021-05-24	20:00:00	62.8	81.8	48.9	No
239	2021-05-24	21:00:00	61.2	80.0	48.9	No

240	2021-05-24 22:00:00	61.9	81.2	46.7	No	
241	2021-05-24 23:00:00	61.2	84.7	45.6	No	
242	2021-05-25 0:00:00	68.4	96.8	45.9	No	
243	2021-05-25 1:00:00	56.6	83.4	44.4	No	
244	2021-05-25 2:00:00	56.0	80.7	43.1	No	
245	2021-05-25 3:00:00	55.3	83.2	43.0	No	
246	2021-05-25 4:00:00	49.2	73.7	43.3	No	
247	2021-05-25 5:00:00	55.3	77.1	42.6	No	
248	2021-05-25 6:00:00	60.5	79.9	45.2	No	
249	2021-05-25 7:00:00	62.1	88.2	46.6	No	
250	2021-05-25 8:00:00	60.6	79.9	46.4	No	
251	2021-05-25 9:00:00	61.1	80.5	45.5	No	
252	2021-05-25 10:00:00	62.7	84.2	45.3	No	
253	2021-05-25 11:00:00	60.9	82.2	45.0	No	
254	<table border="1"><tr><td>Stop</td></tr></table> 2021-05-25 12:00:00	Stop				
Stop						

Calculated Ldn from long-term noise monitoring data LT-2

	TIME	dBa	Remove LOG	10 dBA Penalized Values	5 dBA Penalized Values
6/5/2021	Midnight 0 / 24	51.9		155367	491315
	am 1:00	100	49.7	93945	297080
	2:00	200	46.7	46874	148230
	3:00	300	45.7	37151	117483
	4:00	400	45.6	36103	114167
	5:00	500	48.3	67596	213756
	6:00	600	50.1	102773	324998
	7:00	700	54.6	288519	912378
	8:00	800	52.8	189851	600363
	9:00	900	52.7	188285	595408
	10:00	1000	54.6	287233	908310
	11:00	1100	55.5	353680	1118433
	12:00	1200	55.3	341329	1079377
	pm 1:00	1300	55.2	328309	1038205
	2:00	1400	56.5	446256	1411185
	3:00	1500	54.6	290126	917460
	4:00	1600	53.7	234743	742321
	5:00	1700	54.9	309289	978057
	6:00	1800	54.9	306116	968024
	7:00	1900	55.3	339721	1074294
	8:00	2000	54.2	265586	839856
	9:00	2100	55.0	315005	996132
	10:00	2200	53.8	238822	755221
	pm 11:00	2300	53.3	212282	671296

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**53** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**55** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)**

**50** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**55** dBA

**Leq 24-Hour**

**54** dBA

**Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00**

**58** dBA

**CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00**

**58** dBA

**and 10 dBA penalty for noise between  
10:00 p.m. and 7:00 a.m.**

**CNEL - Ldn = 0.56240624**

## Summary

File Name on Meter	LxT_Data.107
File Name on PC	SLM_0004435_LxT_Data_107.00.lbin
Serial Number	0004435
Model	SoundTrack LxT®
Firmware Version	2.404
User	C. Sanchez
Location	LT-2 Park 060421
Job Description	POAK
Note	

## Measurement

Description	
Start	2021-06-04 17:00:00
Stop	2021-06-08 12:29:09
Duration	91:29:09.594
Run Time	91:29:09.594
Pause	00:00:00.0
Pre Calibration	2021-06-04 13:26:05
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	143.5 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	99.7	96.7	<b>101.7</b> dB
Under Range Limit	<b>38.1</b>	37.7	44.4 dB
Noise Floor	29.0	28.5	35.3 dB

## Results

LAseq	62.5	
LASE	117.7	
EAS	65.288 mPa²h	
EAS8	5.709 mPa²h	
EAS40	28.546 mPa²h	
LZspeak (max)	2021-06-07 16:23:54	123.4 dB
LASmax	2021-06-07 16:23:51	87.8 dB
LASmin	2021-06-07 02:36:22	<b>37.7</b> dB
SEA	145.3 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	56	175.9 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LZspeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LZspeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LZspeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCseq	72.4 dB	
LAseq	62.5 dB	
LCseq - LAseq	9.9 dB	
LAleq	66.5 dB	
LAeq	62.5 dB	
LAleq - LAeq	4.0 dB	

Record #	Record Type	Date	Time	LASeq	LASmax	LASmin	OVLd	Marker
1	Calibration Change	2021-06-04	13:26:05					
2	Run	2021-06-04	17:00:00					
3		2021-06-04	17:00:00	57.9	74.5	48.8	No	
4		2021-06-04	18:00:00	57.4	76.6	47.1	No	
5		2021-06-04	19:00:00	57.0	73.5	46.5	No	
6		2021-06-04	20:00:00	53.7	73.2	46.1	No	
7		2021-06-04	21:00:00	54.4	81.1	46.5	No	
8		2021-06-04	22:00:00	53.6	77.2	47.1	No	
9		2021-06-04	23:00:00	51.9	59.6	45.7	No	
10		2021-06-05	0:00:00	51.9	72.0	44.5	No	
11		2021-06-05	1:00:00	49.7	71.4	43.0	No	
12		2021-06-05	2:00:00	46.7	63.3	41.6	No	
13		2021-06-05	3:00:00	45.7	66.6	41.3	No	
14		2021-06-05	4:00:00	45.6	58.3	40.7	No	
15		2021-06-05	5:00:00	48.3	69.0	42.2	No	
16		2021-06-05	6:00:00	50.1	68.4	44.1	No	
17		2021-06-05	7:00:00	54.6	70.0	44.3	No	
18		2021-06-05	8:00:00	52.8	68.8	44.6	No	
19		2021-06-05	9:00:00	52.7	68.3	45.3	No	
20		2021-06-05	10:00:00	54.6	75.0	44.1	No	
21		2021-06-05	11:00:00	55.5	72.2	43.3	No	
22		2021-06-05	12:00:00	55.3	72.8	43.7	No	
23		2021-06-05	13:00:00	55.2	70.4	44.6	No	
24		2021-06-05	14:00:00	56.5	71.2	43.2	No	
25		2021-06-05	15:00:00	54.6	70.7	44.3	No	
26		2021-06-05	16:00:00	53.7	69.8	44.1	No	
27		2021-06-05	17:00:00	54.9	80.9	43.9	No	
28		2021-06-05	18:00:00	54.9	68.4	46.6	No	
29		2021-06-05	19:00:00	55.3	66.8	46.4	No	
30		2021-06-05	20:00:00	54.2	73.2	45.8	No	
31		2021-06-05	21:00:00	55.0	73.3	46.6	No	
32		2021-06-05	22:00:00	53.8	72.2	47.5	No	
33		2021-06-05	23:00:00	53.3	71.0	45.5	No	
34		2021-06-06	0:00:00	49.0	72.1	42.5	No	
35		2021-06-06	1:00:00	49.0	68.8	40.3	No	
36		2021-06-06	2:00:00	49.2	70.7	39.8	No	
37		2021-06-06	3:00:00	49.3	73.7	39.8	No	
38		2021-06-06	4:00:00	50.5	67.7	41.7	No	
39		2021-06-06	5:00:00	50.5	71.0	40.6	No	
40		2021-06-06	6:00:00	51.7	69.8	40.3	No	
41		2021-06-06	7:00:00	48.0	66.2	40.8	No	
42		2021-06-06	8:00:00	51.9	71.0	43.4	No	
43		2021-06-06	9:00:00	51.9	71.2	41.8	No	
44		2021-06-06	10:00:00	51.8	69.6	40.7	No	
45		2021-06-06	11:00:00	57.7	73.9	42.8	No	
46		2021-06-06	12:00:00	58.8	72.4	44.0	No	
47		2021-06-06	13:00:00	57.9	70.1	45.6	No	

48	2021-06-06 14:00:00	55.8	71.9	44.6	No
49	2021-06-06 15:00:00	56.8	82.5	44.1	No
50	2021-06-06 16:00:00	53.2	68.7	43.0	No
51	2021-06-06 17:00:00	53.5	69.0	41.8	No
52	2021-06-06 18:00:00	52.8	71.3	41.7	No
53	2021-06-06 19:00:00	53.0	76.2	41.6	No
54	2021-06-06 20:00:00	51.6	70.4	41.5	No
55	2021-06-06 21:00:00	50.8	70.9	40.7	No
56	2021-06-06 22:00:00	47.9	65.6	41.3	No
57	2021-06-06 23:00:00	47.0	68.8	38.6	No
58	2021-06-07 0:00:00	44.4	62.7	37.8	No
59	2021-06-07 1:00:00	44.1	61.8	38.6	No
60	2021-06-07 2:00:00	44.1	63.3	37.7	No
61	2021-06-07 3:00:00	45.7	66.9	40.7	No
62	2021-06-07 4:00:00	46.9	67.4	41.1	No
63	2021-06-07 5:00:00	53.0	74.7	44.3	No
64	2021-06-07 6:00:00	54.9	72.0	47.7	No
65	2021-06-07 7:00:00	54.4	71.4	47.2	No
66	2021-06-07 8:00:00	52.9	65.0	45.9	No
67	2021-06-07 9:00:00	52.2	69.7	43.9	No
68	2021-06-07 10:00:00	54.8	72.9	44.0	No
69	2021-06-07 11:00:00	59.8	76.9	47.9	No
70	2021-06-07 12:00:00	65.5	83.6	50.0	No
71	2021-06-07 13:00:00	66.5	84.2	50.3	No
72	2021-06-07 14:00:00	72.3	86.5	51.4	No
73	2021-06-07 15:00:00	74.4	87.8	52.3	No
74	2021-06-07 16:00:00	78.1	87.8	52.9	No
75	2021-06-07 17:00:00	71.5	84.3	49.5	No
76	2021-06-07 18:00:00	63.5	78.5	46.4	No
77	2021-06-07 19:00:00	61.8	78.5	47.4	No
78	2021-06-07 20:00:00	55.7	72.0	47.2	No
79	2021-06-07 21:00:00	56.2	76.0	47.2	No
80	2021-06-07 22:00:00	54.6	76.5	47.5	No
81	2021-06-07 23:00:00	59.6	77.5	46.2	No
82	2021-06-08 0:00:00	58.5	76.2	45.9	No
83	2021-06-08 1:00:00	50.6	69.2	43.1	No
84	2021-06-08 2:00:00	47.7	63.8	42.5	No
85	2021-06-08 3:00:00	49.7	68.8	42.6	No
86	2021-06-08 4:00:00	52.3	69.2	44.9	No
87	2021-06-08 5:00:00	54.2	70.0	47.3	No
88	2021-06-08 6:00:00	57.2	72.6	48.6	No
89	2021-06-08 7:00:00	60.3	81.9	50.4	No
90	2021-06-08 8:00:00	63.1	77.4	51.1	No
91	2021-06-08 9:00:00	62.5	81.3	50.9	No
92	2021-06-08 10:00:00	64.1	80.0	50.5	No
93	2021-06-08 11:00:00	62.8	76.7	49.9	No
94	2021-06-08 12:00:00	62.3	81.4	48.6	No
95	Stop	2021-06-08 12:29:09			

Calculated Ldn from long-term noise monitoring data

LT-3 Mitchell Avenue Residences

	TIME	dBA	Remove LOG	10 dBA Penalized Values	5 dBA Penalized Values	
6/27/2019	Midnight	0 / 24	48.9	77952	779516	246505
	am 1:00	100	47.9	61223	612229	193604
	2:00	200	49.0	78627	786269	248640
	3:00	300	46.9	48439	484389	153177
	4:00	400	48.8	76597	765974	242222
	5:00	500	52.5	178562	1785620	564663
	6:00	600	59.8	955498	9554985	3021551
	7:00	700	59.5	881873	8818729	2788727
	8:00	800	58.3	673042	6730417	2128345
	9:00	900	56.6	452433	4524327	1430718
	10:00	1000	58.7	745684	7456843	2358061
	11:00	1100	58.9	784719	7847187	2481498
	12:00	1200	60.2	1040409	10404088	3290061
	pm 1:00	1300	63.4	2199991	21999915	6956984
	2:00	1400	59.6	904749	9047488	2861067
	3:00	1500	58.5	702847	7028473	2222598
	4:00	1600	54.6	290011	2900114	917096
	5:00	1700	54.9	312135	3121354	987059
	6:00	1800	56.3	428878	4288782	1356232
	7:00	1900	56.6	460343	4603435	1455734
	8:00	2000	53.3	213853	2138533	676264
	9:00	2100	48.7	73350	733501	231954
	10:00	2200	45.8	38282	382822	121059
	pm 11:00	2300	45.4	35017	350172	110734

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**58** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**56** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)**

**52** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**58** dBA

**Leq 24-Hour**

**57** dBA

**Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

**60** dBA

**CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m., and 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

**61** dBA

**CNEL - Ldn 0.26524152**

## Summary

File Name on Meter	LxT_Data.002
File Name on PC	SLM_0004337_LxT_Data_002.00.ldbin
Serial Number	0004337
Model	SoundTrack LxT®
Firmware Version	2.302
User	C.Sanchez
Location	LT-3 Terminus of Michell Avenue Alameda
Job Description	Howard Terminal Development
Note	

## Measurement

### Description

Start	2019-06-25 12:01:22
Stop	2019-07-09 08:44:28
Duration	332:43:06.125
Run Time	332:43:06.125
Pause	00:00:00.0
Pre Calibration	2019-06-25 11:19:43
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamp	PRMLxT2B
Microphone Correction	Off
Integration Method	Exponential
Overload	143.0
	<b>A</b>
Under Range Peak	99.3
Under Range Limit	<b>48.3</b>
Noise Floor	35.2

## Results

LASeq	56.5
LASE	117.3
EAS	59.825
EAS8	1.438
EAS40	7.192
LZSpeak (max)	2019-06-26 10:07:01
LASmax	2019-06-25 12:23:02
LASmin	2019-07-04 01:58:56
SEA	134.0

LAS > 85.0 dB (Exceedance Counts / Duration) 50

<b>LAS &gt; 115.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 135.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 137.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 140.0 dB (Exceedance Counts / Duration)</b>	0
<b>LCSeq</b>	66.9
<b>LASeq</b>	56.5
<b>LCSeq - LASeq</b>	10.4
<b>LAleq</b>	60.0
<b>LAeq</b>	56.5
<b>LAleq - LAeq</b>	3.4

Record #	Record Type	Date	Time	LASeq	LZpeak	LASmax	LASmin	OVLD	OBA OVLD	Marker
1	Calibration Change	2019-06-25	11:19:43							
2	Run	2019-06-25	12:01:15							
3		2019-06-25	12:01:22	72.0	107.7	92.5	47.2	No	No	
4		2019-06-25	13:01:22	59.8	109.4	82.5	46.4	No	No	
5		2019-06-25	14:01:22	55.7	106.3	78.2	46.1	No	No	
6		2019-06-25	15:01:22	55.6	106.9	81.4	45.1	No	No	
7		2019-06-25	16:01:22	53.2	108.4	77.8	44.7	No	No	
8		2019-06-25	17:01:22	52.5	114.3	69.4	44.2	No	No	
9		2019-06-25	18:01:22	50.6	111.6	65.4	44.0	No	No	
10		2019-06-25	19:01:22	54.2	111.1	70.1	45.4	No	No	
11		2019-06-25	20:01:22	50.6	107.8	65.3	45.2	No	No	
12		2019-06-25	21:01:22	50.3	106.5	65.8	45.0	No	No	
13		2019-06-25	22:01:22	48.3	100.6	65.9	43.9	No	No	
14		2019-06-25	23:01:22	47.1	100.8	62.1	41.8	No	No	
15		2019-06-26	0:01:22	47.2	88.3	57.7	42.6	No	No	
16		2019-06-26	1:01:22	46.4	88.4	69.0	41.4	No	No	
17		2019-06-26	2:01:22	45.7	96.0	57.6	41.5	No	No	
18		2019-06-26	3:01:22	45.0	106.8	63.0	41.0	No	No	
19		2019-06-26	4:01:22	48.7	105.5	61.8	42.6	No	No	
20		2019-06-26	5:01:22	48.9	113.9	68.7	43.8	No	No	
21		2019-06-26	6:01:22	51.8	94.1	68.4	42.8	No	No	
22		2019-06-26	7:01:22	57.4	100.1	82.7	47.7	No	No	
23		2019-06-26	8:01:22	57.4	106.7	79.8	48.7	No	No	
24		2019-06-26	9:01:22	62.2	115.1	81.2	48.7	No	No	
25		2019-06-26	10:01:22	66.5	124.0	92.0	50.5	No	No	
26		2019-06-26	11:01:22	59.4	115.9	83.7	47.9	No	No	
27		2019-06-26	12:01:22	58.8	109.8	79.9	47.7	No	No	
28		2019-06-26	13:01:22	63.0	111.5	85.8	50.4	No	No	
29		2019-06-26	14:01:22	58.0	110.3	79.7	49.7	No	No	
30		2019-06-26	15:01:22	58.3	119.4	82.4	47.5	No	No	
31		2019-06-26	16:01:22	61.7	112.5	92.0	46.2	No	No	
32		2019-06-26	17:01:22	58.3	118.3	69.0	51.4	No	No	
33		2019-06-26	18:01:22	54.9	117.6	69.3	48.3	No	No	
34		2019-06-26	19:01:22	54.8	114.7	69.7	47.5	No	No	
35		2019-06-26	20:01:22	55.4	111.9	75.1	48.2	No	No	
36		2019-06-26	21:01:22	52.4	109.6	68.4	47.5	No	No	
37		2019-06-26	22:01:22	52.0	110.7	72.8	45.0	No	No	
38		2019-06-26	23:01:22	49.5	106.6	64.9	45.6	No	No	
39		2019-06-27	0:01:22	48.9	104.7	64.0	45.4	No	No	
40		2019-06-27	1:01:22	47.9	104.8	59.2	44.6	No	No	
41		2019-06-27	2:01:22	49.0	102.1	61.9	43.8	No	No	
42		2019-06-27	3:01:22	46.9	95.8	59.2	42.9	No	No	
43		2019-06-27	4:01:22	48.8	95.8	69.5	42.6	No	No	
44		2019-06-27	5:01:22	52.5	92.7	75.9	45.3	No	No	
45		2019-06-27	6:01:22	59.8	104.9	88.7	46.4	No	No	
46		2019-06-27	7:01:22	59.5	102.4	81.8	45.4	No	No	
47		2019-06-27	8:01:22	58.3	98.4	82.4	44.5	No	No	
48		2019-06-27	9:01:22	56.6	102.2	80.2	44.3	No	No	
49		2019-06-27	10:01:22	58.7	105.7	81.7	47.3	No	No	
50		2019-06-27	11:01:22	58.9	106.6	81.1	47.2	No	No	
51		2019-06-27	12:01:22	60.2	113.8	84.2	46.6	No	No	
52		2019-06-27	13:01:22	63.4	114.2	83.8	48.7	No	No	
53		2019-06-27	14:01:22	59.6	115.2	81.4	50.6	No	No	
54		2019-06-27	15:01:22	58.5	115.3	80.6	48.9	No	No	
55		2019-06-27	16:01:22	54.6	111.3	69.4	49.6	No	No	

56	2019-06-27	17:01:22	54.9	113.5	69.8	49.6	No	No
57	2019-06-27	18:01:22	56.3	113.2	79.6	48.9	No	No
58	2019-06-27	19:01:22	56.6	104.5	78.7	46.6	No	No
59	2019-06-27	20:01:22	53.3	102.2	78.8	45.9	No	No
60	2019-06-27	21:01:22	48.7	104.7	64.3	41.4	No	No
61	2019-06-27	22:01:22	45.8	86.8	60.3	38.9	No	No
62	2019-06-27	23:01:22	45.4	91.5	62.5	40.0	No	No
63	2019-06-28	0:01:22	42.8	84.3	61.6	38.6	No	No
64	2019-06-28	1:01:22	41.0	82.5	56.8	37.4	No	No
65	2019-06-28	2:01:22	42.0	84.5	55.0	36.9	No	No
66	2019-06-28	3:01:22	40.9	89.7	54.6	37.3	No	No
67	2019-06-28	4:01:22	42.1	86.5	61.3	38.2	No	No
68	2019-06-28	5:01:22	49.8	92.8	74.7	38.6	No	No
69	2019-06-28	6:01:22	52.6	93.7	75.1	44.5	No	No
70	2019-06-28	7:01:22	59.4	105.6	81.3	46.2	No	No
71	2019-06-28	8:01:22	60.9	102.0	82.7	50.7	No	No
72	2019-06-28	9:01:22	59.7	102.7	78.4	46.7	No	No
73	2019-06-28	10:01:22	59.9	100.6	77.9	45.1	No	No
74	2019-06-28	11:01:22	58.7	104.8	80.9	45.4	No	No
75	2019-06-28	12:01:22	55.7	109.5	71.8	46.8	No	No
76	2019-06-28	13:01:22	59.2	106.6	81.9	47.7	No	No
77	2019-06-28	14:01:22	59.4	108.1	83.0	48.1	No	No
78	2019-06-28	15:01:22	61.1	112.1	91.1	45.2	No	No
79	2019-06-28	16:01:22	55.4	107.8	79.4	45.9	No	No
80	2019-06-28	17:01:22	54.8	111.8	81.3	44.3	No	No
81	2019-06-28	18:01:22	53.6	111.1	80.0	45.4	No	No
82	2019-06-28	19:01:22	52.7	104.3	74.4	43.4	No	No
83	2019-06-28	20:01:22	57.2	100.4	83.1	41.9	No	No
84	2019-06-28	21:01:22	48.2	94.2	66.3	41.4	No	No
85	2019-06-28	22:01:22	46.7	100.7	65.1	41.9	No	No
86	2019-06-28	23:01:22	46.8	91.9	74.1	40.9	No	No
87	2019-06-29	0:01:22	45.3	104.5	59.5	41.6	No	No
88	2019-06-29	1:01:22	44.3	99.4	56.6	40.6	No	No
89	2019-06-29	2:01:22	44.2	88.6	62.3	39.8	No	No
90	2019-06-29	3:01:22	43.1	94.9	57.7	39.7	No	No
91	2019-06-29	4:01:22	42.0	96.7	52.5	39.5	No	No
92	2019-06-29	5:01:22	45.9	95.9	62.9	40.4	No	No
93	2019-06-29	6:01:22	45.1	97.0	56.8	39.8	No	No
94	2019-06-29	7:01:22	49.6	95.7	67.3	41.2	No	No
95	2019-06-29	8:01:22	51.6	100.7	71.5	44.8	No	No
96	2019-06-29	9:01:22	52.1	96.9	64.5	46.9	No	No
97	2019-06-29	10:01:22	52.3	95.9	66.3	47.5	No	No
98	2019-06-29	11:01:22	52.9	99.1	70.2	46.1	No	No
99	2019-06-29	12:01:22	52.8	103.7	66.3	46.9	No	No
100	2019-06-29	13:01:22	53.8	104.8	76.9	47.2	No	No
101	2019-06-29	14:01:22	51.3	106.6	66.5	46.6	No	No
102	2019-06-29	15:01:22	58.5	105.6	89.6	46.4	No	No
103	2019-06-29	16:01:22	51.4	109.8	68.5	45.5	No	No
104	2019-06-29	17:01:22	55.7	109.4	83.0	45.9	No	No
105	2019-06-29	18:01:22	50.9	105.3	69.6	45.5	No	No
106	2019-06-29	19:01:22	50.3	101.8	74.8	45.1	No	No
107	2019-06-29	20:01:22	52.2	98.6	68.3	46.3	No	No
108	2019-06-29	21:01:22	50.6	106.2	72.8	47.2	No	No
109	2019-06-29	22:01:22	51.6	94.9	69.9	47.3	No	No
110	2019-06-29	23:01:22	49.1	97.2	60.7	46.8	No	No
111	2019-06-30	0:01:22	48.3	104.6	57.8	45.1	No	No

112	2019-06-30	1:01:22	47.9	106.1	55.9	45.5	No	No
113	2019-06-30	2:01:22	48.8	97.1	54.1	44.9	No	No
114	2019-06-30	3:01:22	47.4	96.0	56.5	42.8	No	No
115	2019-06-30	4:01:22	45.4	103.5	59.7	41.7	No	No
116	2019-06-30	5:01:22	48.0	98.7	78.1	41.8	No	No
117	2019-06-30	6:01:22	53.6	104.5	82.3	41.4	No	No
118	2019-06-30	7:01:22	46.2	99.5	61.1	39.9	No	No
119	2019-06-30	8:01:22	47.5	100.1	63.8	40.9	No	No
120	2019-06-30	9:01:22	50.1	104.5	76.5	41.2	No	No
121	2019-06-30	10:01:22	49.2	103.0	70.5	42.8	No	No
122	2019-06-30	11:01:22	50.7	107.5	67.4	42.4	No	No
123	2019-06-30	12:01:22	48.1	109.5	63.8	41.8	No	No
124	2019-06-30	13:01:22	50.7	110.3	65.6	42.6	No	No
125	2019-06-30	14:01:22	49.7	111.7	67.9	43.1	No	No
126	2019-06-30	15:01:22	49.7	110.7	62.9	43.0	No	No
127	2019-06-30	16:01:22	49.6	108.4	66.9	43.6	No	No
128	2019-06-30	17:01:22	52.0	108.1	70.6	44.6	No	No
129	2019-06-30	18:01:22	50.4	104.8	66.6	43.8	No	No
130	2019-06-30	19:01:22	51.0	106.2	65.5	44.6	No	No
131	2019-06-30	20:01:22	49.4	106.2	64.3	42.8	No	No
132	2019-06-30	21:01:22	51.6	91.3	67.6	41.5	No	No
133	2019-06-30	22:01:22	47.6	96.2	72.2	40.3	No	No
134	2019-06-30	23:01:22	44.7	103.4	70.0	39.4	No	No
135	2019-07-01	0:01:22	44.3	95.2	60.2	38.8	No	No
136	2019-07-01	1:01:22	41.7	90.3	55.0	38.1	No	No
137	2019-07-01	2:01:22	39.8	95.1	52.1	37.9	No	No
138	2019-07-01	3:01:22	40.7	101.2	51.8	37.7	No	No
139	2019-07-01	4:01:22	47.9	100.7	64.0	37.9	No	No
140	2019-07-01	5:01:22	56.7	101.7	87.3	41.2	No	No
141	2019-07-01	6:01:22	50.9	105.6	71.0	41.6	No	No
142	2019-07-01	7:01:22	57.3	105.3	80.3	46.8	No	No
143	2019-07-01	8:01:22	60.1	106.2	82.8	48.2	No	No
144	2019-07-01	9:01:22	61.3	107.1	85.9	47.2	No	No
145	2019-07-01	10:01:22	59.8	108.5	82.8	47.1	No	No
146	2019-07-01	11:01:22	61.1	110.0	81.3	46.4	No	No
147	2019-07-01	12:01:22	60.6	107.9	84.8	47.3	No	No
148	2019-07-01	13:01:22	72.7	112.4	89.3	46.8	No	No
149	2019-07-01	14:01:22	66.8	105.1	82.3	46.1	No	No
150	2019-07-01	15:01:22	62.1	110.9	77.1	45.9	No	No
151	2019-07-01	16:01:22	54.4	111.1	77.5	45.8	No	No
152	2019-07-01	17:01:22	51.6	107.6	68.1	44.6	No	No
153	2019-07-01	18:01:22	52.7	112.7	76.6	44.8	No	No
154	2019-07-01	19:01:22	51.0	112.1	68.2	45.5	No	No
155	2019-07-01	20:01:22	52.4	107.0	79.1	44.4	No	No
156	2019-07-01	21:01:22	47.7	98.2	65.1	43.8	No	No
157	2019-07-01	22:01:22	47.4	89.5	58.4	43.7	No	No
158	2019-07-01	23:01:22	49.0	95.5	62.2	44.1	No	No
159	2019-07-02	0:01:22	48.6	105.6	70.9	43.8	No	No
160	2019-07-02	1:01:22	47.2	106.0	60.5	43.7	No	No
161	2019-07-02	2:01:22	47.1	101.5	63.7	43.3	No	No
162	2019-07-02	3:01:22	47.8	100.7	57.2	44.6	No	No
163	2019-07-02	4:01:22	49.6	95.8	68.8	45.2	No	No
164	2019-07-02	5:01:22	55.1	96.1	82.2	44.8	No	No
165	2019-07-02	6:01:22	55.3	97.9	80.4	47.4	No	No
166	2019-07-02	7:01:22	56.2	97.4	77.1	47.7	No	No
167	2019-07-02	8:01:22	64.4	106.7	87.7	46.7	No	No

168	2019-07-02	9:01:22	57.0	105.6	78.2	46.1	No	No
169	2019-07-02	10:01:22	64.7	105.2	89.3	44.4	No	No
170	2019-07-02	11:01:22	58.6	106.7	82.9	44.8	No	No
171	2019-07-02	12:01:22	58.1	108.8	81.2	46.0	No	No
172	2019-07-02	13:01:22	59.5	110.0	81.3	45.4	No	No
173	2019-07-02	14:01:22	63.2	110.1	85.8	47.2	No	No
174	2019-07-02	15:01:22	60.0	110.6	86.8	44.4	No	No
175	2019-07-02	16:01:22	54.5	109.1	80.8	45.0	No	No
176	2019-07-02	17:01:22	53.1	106.1	72.3	42.6	No	No
177	2019-07-02	18:01:22	48.5	104.7	64.1	41.8	No	No
178	2019-07-02	19:01:22	51.5	100.8	69.2	42.0	No	No
179	2019-07-02	20:01:22	51.1	105.3	67.0	43.1	No	No
180	2019-07-02	21:01:22	49.8	104.2	64.5	45.0	No	No
181	2019-07-02	22:01:22	48.9	101.3	62.2	45.6	No	No
182	2019-07-02	23:01:22	48.8	108.7	64.0	44.3	No	No
183	2019-07-03	0:01:22	45.4	95.7	61.7	41.7	No	No
184	2019-07-03	1:01:22	43.7	96.1	58.4	41.1	No	No
185	2019-07-03	2:01:22	43.2	92.9	56.3	40.5	No	No
186	2019-07-03	3:01:22	45.0	97.3	61.3	42.2	No	No
187	2019-07-03	4:01:22	46.4	105.5	61.4	42.8	No	No
188	2019-07-03	5:01:22	57.0	103.2	87.0	43.4	No	No
189	2019-07-03	6:01:22	60.2	103.0	81.4	46.0	No	No
190	2019-07-03	7:01:22	61.2	104.2	86.6	46.4	No	No
191	2019-07-03	8:01:22	62.8	105.9	81.9	46.1	No	No
192	2019-07-03	9:01:22	58.2	98.6	82.3	46.2	No	No
193	2019-07-03	10:01:22	62.0	103.1	83.5	46.3	No	No
194	2019-07-03	11:01:22	58.2	104.9	78.5	45.4	No	No
195	2019-07-03	12:01:22	64.9	114.0	87.7	46.1	No	No
196	2019-07-03	13:01:22	58.4	110.8	80.5	45.4	No	No
197	2019-07-03	14:01:22	55.7	104.7	80.3	43.3	No	No
198	2019-07-03	15:01:22	59.9	112.5	88.3	44.6	No	No
199	2019-07-03	16:01:22	57.8	109.9	80.9	43.4	No	No
200	2019-07-03	17:01:22	53.4	113.7	76.9	44.6	No	No
201	2019-07-03	18:01:22	53.5	117.0	70.1	45.3	No	No
202	2019-07-03	19:01:22	54.1	112.7	73.9	45.9	No	No
203	2019-07-03	20:01:22	51.2	108.4	64.3	45.9	No	No
204	2019-07-03	21:01:22	50.4	107.3	70.5	42.5	No	No
205	2019-07-03	22:01:22	47.7	107.6	65.6	43.6	No	No
206	2019-07-03	23:01:22	47.4	105.2	61.4	44.0	No	No
207	2019-07-04	0:01:22	45.2	101.7	64.0	40.1	No	No
208	2019-07-04	1:01:22	44.1	107.2	70.9	36.6	No	No
209	2019-07-04	2:01:22	40.7	101.4	66.3	37.3	No	No
210	2019-07-04	3:01:22	40.3	103.7	51.2	37.1	No	No
211	2019-07-04	4:01:22	40.8	94.9	56.4	38.2	No	No
212	2019-07-04	5:01:22	46.6	90.6	64.2	40.9	No	No
213	2019-07-04	6:01:22	46.7	91.0	63.8	41.6	No	No
214	2019-07-04	7:01:22	49.0	104.3	66.1	40.9	No	No
215	2019-07-04	8:01:22	46.1	98.8	60.9	40.9	No	No
216	2019-07-04	9:01:22	48.3	105.3	61.7	40.4	No	No
217	2019-07-04	10:01:22	53.3	103.2	74.8	41.1	No	No
218	2019-07-04	11:01:22	51.2	104.8	72.9	40.8	No	No
219	2019-07-04	12:01:22	48.1	107.9	66.8	41.1	No	No
220	2019-07-04	13:01:22	50.6	111.7	71.4	41.6	No	No
221	2019-07-04	14:01:22	51.5	108.9	66.9	42.0	No	No
222	2019-07-04	15:01:22	52.9	109.3	77.2	42.2	No	No
223	2019-07-04	16:01:22	47.8	105.7	60.3	42.6	No	No

224	2019-07-04	17:01:22	52.5	105.1	73.2	43.3	No	No
225	2019-07-04	18:01:22	51.3	107.8	71.1	45.3	No	No
226	2019-07-04	19:01:22	51.2	103.0	67.7	44.9	No	No
227	2019-07-04	20:01:22	54.0	110.8	75.8	45.6	No	No
228	2019-07-04	21:01:22	56.7	119.1	79.6	46.4	No	No
229	2019-07-04	22:01:22	54.5	109.8	72.3	43.3	No	No
230	2019-07-04	23:01:22	52.2	118.5	81.4	40.8	No	No
231	2019-07-05	0:01:22	47.5	106.2	72.0	37.5	No	No
232	2019-07-05	1:01:22	41.0	101.3	60.7	36.7	No	No
233	2019-07-05	2:01:22	41.2	91.3	59.0	37.3	No	No
234	2019-07-05	3:01:22	41.6	99.2	66.6	38.6	No	No
235	2019-07-05	4:01:22	42.7	102.2	60.2	39.0	No	No
236	2019-07-05	5:01:22	49.2	103.7	71.7	40.9	No	No
237	2019-07-05	6:01:22	55.3	100.3	82.4	41.0	No	No
238	2019-07-05	7:01:22	58.0	100.8	85.5	43.1	No	No
239	2019-07-05	8:01:22	53.3	98.4	79.7	43.2	No	No
240	2019-07-05	9:01:22	56.0	99.2	81.7	43.5	No	No
241	2019-07-05	10:01:22	56.1	100.5	84.7	43.5	No	No
242	2019-07-05	11:01:22	57.1	98.1	82.2	41.4	No	No
243	2019-07-05	12:01:22	55.1	104.4	79.8	41.7	No	No
244	2019-07-05	13:01:22	54.3	110.1	79.3	44.7	No	No
245	2019-07-05	14:01:22	62.4	109.5	88.3	42.8	No	No
246	2019-07-05	15:01:22	53.4	105.8	80.6	43.5	No	No
247	2019-07-05	16:01:22	51.3	104.4	73.5	43.4	No	No
248	2019-07-05	17:01:22	49.7	104.4	66.3	43.7	No	No
249	2019-07-05	18:01:22	52.0	110.6	66.8	45.7	No	No
250	2019-07-05	19:01:22	52.8	106.1	73.6	45.8	No	No
251	2019-07-05	20:01:22	51.1	110.8	72.8	45.6	No	No
252	2019-07-05	21:01:22	50.5	100.7	66.1	44.6	No	No
253	2019-07-05	22:01:22	49.9	100.4	73.0	44.8	No	No
254	2019-07-05	23:01:22	47.9	101.9	62.7	44.3	No	No
255	2019-07-06	0:01:22	48.1	106.2	70.0	42.0	No	No
256	2019-07-06	1:01:22	44.5	102.1	63.5	40.7	No	No
257	2019-07-06	2:01:22	43.9	98.9	54.6	38.5	No	No
258	2019-07-06	3:01:22	44.0	102.7	66.9	38.6	No	No
259	2019-07-06	4:01:22	44.0	97.8	56.9	41.1	No	No
260	2019-07-06	5:01:22	46.2	99.4	59.7	41.5	No	No
261	2019-07-06	6:01:22	57.1	100.2	85.3	42.4	No	No
262	2019-07-06	7:01:22	49.8	90.2	69.8	43.2	No	No
263	2019-07-06	8:01:22	49.4	99.9	70.5	44.5	No	No
264	2019-07-06	9:01:22	50.9	100.8	67.7	45.1	No	No
265	2019-07-06	10:01:22	50.3	100.3	68.6	43.8	No	No
266	2019-07-06	11:01:22	50.8	107.1	72.6	43.3	No	No
267	2019-07-06	12:01:22	51.7	105.5	80.0	41.6	No	No
268	2019-07-06	13:01:22	48.6	107.0	71.8	42.3	No	No
269	2019-07-06	14:01:22	49.2	108.7	65.9	42.6	No	No
270	2019-07-06	15:01:22	50.6	108.9	74.6	43.9	No	No
271	2019-07-06	16:01:22	49.1	108.1	63.9	43.6	No	No
272	2019-07-06	17:01:22	49.5	111.6	64.9	44.3	No	No
273	2019-07-06	18:01:22	48.9	111.5	62.3	43.8	No	No
274	2019-07-06	19:01:22	51.9	110.0	68.3	46.0	No	No
275	2019-07-06	20:01:22	50.2	100.4	64.8	45.1	No	No
276	2019-07-06	21:01:22	49.5	110.4	71.1	44.7	No	No
277	2019-07-06	22:01:22	47.9	106.5	62.6	44.0	No	No
278	2019-07-06	23:01:22	49.2	112.6	72.1	42.7	No	No
279	2019-07-07	0:01:22	46.3	107.5	61.0	40.9	No	No

280	2019-07-07	1:01:22	45.2	112.4	60.0	39.9	No	No
281	2019-07-07	2:01:22	42.6	108.2	64.6	39.2	No	No
282	2019-07-07	3:01:22	44.1	101.8	63.5	39.6	No	No
283	2019-07-07	4:01:22	44.2	105.4	70.4	38.8	No	No
284	2019-07-07	5:01:22	45.1	105.4	62.3	39.4	No	No
285	2019-07-07	6:01:22	46.5	107.8	59.8	41.0	No	No
286	2019-07-07	7:01:22	46.3	109.9	60.5	41.2	No	No
287	2019-07-07	8:01:22	47.4	110.8	61.8	40.9	No	No
288	2019-07-07	9:01:22	47.7	103.0	60.7	42.2	No	No
289	2019-07-07	10:01:22	52.0	108.2	73.4	42.9	No	No
290	2019-07-07	11:01:22	51.6	109.8	77.4	43.6	No	No
291	2019-07-07	12:01:22	50.4	108.9	69.1	43.7	No	No
292	2019-07-07	13:01:22	56.2	111.9	85.5	44.4	No	No
293	2019-07-07	14:01:22	51.3	115.8	73.8	44.6	No	No
294	2019-07-07	15:01:22	50.8	110.1	72.2	44.0	No	No
295	2019-07-07	16:01:22	48.8	111.2	66.6	43.5	No	No
296	2019-07-07	17:01:22	48.8	108.4	65.1	42.5	No	No
297	2019-07-07	18:01:22	48.9	106.8	66.1	42.3	No	No
298	2019-07-07	19:01:22	51.4	107.0	65.6	42.5	No	No
299	2019-07-07	20:01:22	50.5	105.7	67.1	44.9	No	No
300	2019-07-07	21:01:22	49.4	104.1	60.8	44.9	No	No
301	2019-07-07	22:01:22	48.9	114.2	69.2	45.2	No	No
302	2019-07-07	23:01:22	49.0	109.6	69.0	44.3	No	No
303	2019-07-08	0:01:22	48.4	106.3	66.5	44.5	No	No
304	2019-07-08	1:01:22	47.4	110.7	59.2	44.0	No	No
305	2019-07-08	2:01:22	48.2	109.8	62.8	44.6	No	No
306	2019-07-08	3:01:22	47.2	115.4	58.0	43.3	No	No
307	2019-07-08	4:01:22	45.3	107.1	64.2	39.7	No	No
308	2019-07-08	5:01:22	49.9	105.9	73.0	40.8	No	No
309	2019-07-08	6:01:22	55.2	106.1	84.4	43.1	No	No
310	2019-07-08	7:01:22	54.8	108.5	79.4	45.0	No	No
311	2019-07-08	8:01:22	65.7	111.4	90.6	47.0	No	No
312	2019-07-08	9:01:22	59.8	109.1	78.4	49.7	No	No
313	2019-07-08	10:01:22	60.2	109.1	77.9	52.2	No	No
314	2019-07-08	11:01:22	60.3	107.9	81.3	46.0	No	No
315	2019-07-08	12:01:22	62.1	112.3	81.6	48.5	No	No
316	2019-07-08	13:01:22	65.4	114.6	80.9	53.0	No	No
317	2019-07-08	14:01:22	60.7	119.2	85.1	47.6	No	No
318	2019-07-08	15:01:22	58.1	115.5	82.0	46.1	No	No
319	2019-07-08	16:01:22	57.3	112.5	84.1	46.9	No	No
320	2019-07-08	17:01:22	52.1	115.4	70.2	46.9	No	No
321	2019-07-08	18:01:22	60.5	113.5	91.2	47.0	No	No
322	2019-07-08	19:01:22	53.1	106.4	73.8	44.9	No	No
323	2019-07-08	20:01:22	53.8	109.0	69.8	45.1	No	No
324	2019-07-08	21:01:22	49.0	106.4	62.1	45.1	No	No
325	2019-07-08	22:01:22	47.6	99.4	68.2	43.2	No	No
326	2019-07-08	23:01:22	45.0	95.4	53.7	41.5	No	No
327	2019-07-09	0:01:22	46.6	100.6	69.1	41.0	No	No
328	2019-07-09	1:01:22	44.5	98.7	58.1	40.2	No	No
329	2019-07-09	2:01:22	43.5	96.7	56.2	39.0	No	No
330	2019-07-09	3:01:22	41.9	95.3	53.5	38.9	No	No
331	2019-07-09	4:01:22	42.8	100.4	61.7	39.6	No	No
332	2019-07-09	5:01:22	48.3	89.7	64.4	41.2	No	No
333	2019-07-09	6:01:22	58.0	99.6	86.2	43.0	No	No
334	2019-07-09	7:01:22	58.5	99.6	84.2	45.8	No	No
335	2019-07-09	8:01:22	64.7	115.3	86.0	46.6	No	No

336

Stop

2019-07-09

8:44:28

## Summary

File Name on Meter	LxT_Data.003
File Name on PC	SLM_0004337_LxT_Data_003.00.
Serial Number	0004337
Model	SoundTrack LxT®
Firmware Version	2.302
User	C. Sanchez
Location	LT-4 Terminus of Clay Street
Job Description	Howard Terminal Development
Note	

## Measurement

### Description

Start	2019-07-11 09:00:06
Stop	2019-07-25 08:02:02
Duration	335:01:55.500
Run Time	335:01:55.500
Pause	00:00:00.0
Pre Calibration	2019-07-11 08:27:41
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamp	PRMLxT2B
Microphone Correction	Off
Integration Method	Exponential
Overload	142.9
	<b>A</b>
Under Range Peak	99.2
Under Range Limit	<b>48.2</b>
Noise Floor	35.1

## Results

LASeq	71.6
LASE	132.4
EAS	1.932
EAS8	46.123
EAS40	230.615
LZSpeak (max)	2019-07-18 09:54:18
LASmax	2019-07-18 09:54:18
LASmin	2019-07-17 02:09:11
SEA	137.8
LAS > 85.0 dB (Exceedance Counts / Duration)	1794

<b>LAS &gt; 115.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 135.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 137.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 140.0 dB (Exceedance Counts / Duration)</b>	0
<b>LCSeq</b>	76.3
<b>LASeq</b>	71.6
<b>LCSeq - LASeq</b>	4.7
<b>LALeq</b>	75.3
<b>LAeq</b>	71.6
<b>LALeq - LAeq</b>	3.7

Record #	Record Type	Date	Time	LASeq	LZpeak	LASmax	LASmin	OVLID	OBA OVLD	Marker
1	Calibration Change	2019-07-11	8:27:41							
2	Run	2019-07-11	9:00:06							
3		2019-07-11	9:00:06	71.0	113.8	99.7	49.7	No	No	
4		2019-07-11	10:00:06	69.5	114.6	98.8	50.7	No	No	
5		2019-07-11	11:00:06	70.1	117.4	101.8	50.0	No	No	
6		2019-07-11	12:00:06	65.6	111.8	95.1	51.2	No	No	
7		2019-07-11	13:00:06	71.3	115.4	100.4	52.2	No	No	
8		2019-07-11	14:00:06	73.9	117.3	102.9	51.2	No	No	
9		2019-07-11	15:00:06	65.0	111.8	95.8	51.2	No	No	
10		2019-07-11	16:00:06	74.1	116.9	101.9	52.8	No	No	
11		2019-07-11	17:00:06	72.1	115.6	99.7	51.7	No	No	
12		2019-07-11	18:00:06	75.0	117.2	100.9	53.0	No	No	
13		2019-07-11	19:00:06	67.7	114.8	96.9	52.0	No	No	
14		2019-07-11	20:00:06	72.6	116.2	99.3	51.8	No	No	
15		2019-07-11	21:00:06	71.2	118.7	100.9	51.6	No	No	
16		2019-07-11	22:00:06	67.7	113.5	97.9	47.3	No	No	
17		2019-07-11	23:00:06	67.6	111.8	96.2	44.4	No	No	
18		2019-07-12	0:00:06	71.4	114.3	98.1	45.3	No	No	
19		2019-07-12	1:00:06	51.9	113.2	64.6	45.6	No	No	
20		2019-07-12	2:00:06	51.0	115.5	69.8	45.7	No	No	
21		2019-07-12	3:00:06	59.4	113.8	89.2	46.4	No	No	
22		2019-07-12	4:00:06	67.7	113.3	98.7	46.7	No	No	
23		2019-07-12	5:00:06	62.6	110.6	91.2	47.8	No	No	
24		2019-07-12	6:00:06	79.2	114.3	97.8	47.0	No	No	
25		2019-07-12	7:00:06	72.8	114.6	101.0	49.7	No	No	
26		2019-07-12	8:00:06	73.4	116.4	101.4	52.1	No	No	
27		2019-07-12	9:00:06	71.3	116.8	100.4	51.1	No	No	
28		2019-07-12	10:00:06	71.5	114.7	98.9	52.4	No	No	
29		2019-07-12	11:00:06	68.5	115.0	99.1	51.0	No	No	
30		2019-07-12	12:00:06	71.2	117.7	100.1	51.0	No	No	
31		2019-07-12	13:00:06	71.9	114.8	100.3	51.6	No	No	
32		2019-07-12	14:00:06	70.0	113.1	97.7	52.0	No	No	
33		2019-07-12	15:00:06	75.6	116.7	100.5	51.0	No	No	
34		2019-07-12	16:00:06	76.9	115.3	101.0	50.6	No	No	
35		2019-07-12	17:00:06	75.1	114.6	99.6	52.8	No	No	
36		2019-07-12	18:00:06	74.7	114.8	100.3	53.1	No	No	
37		2019-07-12	19:00:06	70.0	112.8	97.4	52.5	No	No	
38		2019-07-12	20:00:06	69.2	114.6	98.1	52.7	No	No	
39		2019-07-12	21:00:06	67.6	114.2	97.5	50.9	No	No	
40		2019-07-12	22:00:06	71.4	116.1	100.4	47.4	No	No	
41		2019-07-12	23:00:06	62.2	111.2	92.6	46.7	No	No	
42		2019-07-13	0:00:06	70.8	117.0	100.9	45.4	No	No	
43		2019-07-13	1:00:06	50.4	111.9	64.6	45.7	No	No	
44		2019-07-13	2:00:06	50.6	115.0	65.0	46.3	No	No	
45		2019-07-13	3:00:06	48.7	110.9	56.2	44.3	No	No	
46		2019-07-13	4:00:06	72.6	115.2	100.7	45.5	No	No	
47		2019-07-13	5:00:06	51.3	108.7	67.9	46.7	No	No	
48		2019-07-13	6:00:06	62.9	112.3	93.2	47.3	No	No	
49		2019-07-13	7:00:06	70.2	113.3	98.3	46.9	No	No	
50		2019-07-13	8:00:06	73.0	116.1	101.5	49.3	No	No	
51		2019-07-13	9:00:06	69.8	113.0	99.1	48.9	No	No	
52		2019-07-13	10:00:06	76.5	117.4	103.4	50.4	No	No	
53		2019-07-13	11:00:06	72.0	114.8	100.2	50.4	No	No	
54		2019-07-13	12:00:06	67.3	111.3	96.1	50.0	No	No	
55		2019-07-13	13:00:06	71.0	116.0	100.1	50.3	No	No	

56	2019-07-13	14:00:06	70.7	111.3	97.5	50.7	No	No
57	2019-07-13	15:00:06	75.3	116.0	100.4	50.5	No	No
58	2019-07-13	16:00:06	64.2	109.6	90.6	50.1	No	No
59	2019-07-13	17:00:06	74.1	116.7	101.1	50.4	No	No
60	2019-07-13	18:00:06	73.0	115.9	100.2	51.3	No	No
61	2019-07-13	19:00:06	73.9	117.3	102.9	51.2	No	No
62	2019-07-13	20:00:06	66.2	110.6	92.9	51.0	No	No
63	2019-07-13	21:00:06	67.9	112.4	95.8	50.3	No	No
64	2019-07-13	22:00:06	58.1	99.3	76.2	51.4	No	No
65	2019-07-13	23:00:06	68.8	116.0	100.5	48.9	No	No
66	2019-07-14	0:00:06	51.1	93.4	65.2	47.1	No	No
67	2019-07-14	1:00:06	70.0	116.4	101.2	47.2	No	No
68	2019-07-14	2:00:06	79.2	120.2	105.5	47.5	No	No
69	2019-07-14	3:00:06	57.2	106.3	84.7	45.2	No	No
70	2019-07-14	4:00:06	48.2	101.1	65.5	44.4	No	No
71	2019-07-14	5:00:06	65.8	110.6	95.1	44.1	No	No
72	2019-07-14	6:00:06	50.2	105.3	70.2	45.0	No	No
73	2019-07-14	7:00:06	65.8	111.1	93.8	44.4	No	No
74	2019-07-14	8:00:06	67.7	111.2	94.6	44.9	No	No
75	2019-07-14	9:00:06	72.8	113.8	98.7	46.7	No	No
76	2019-07-14	10:00:06	69.4	115.7	98.3	49.3	No	No
77	2019-07-14	11:00:06	74.4	116.9	102.3	48.4	No	No
78	2019-07-14	12:00:06	66.3	115.0	96.2	49.5	No	No
79	2019-07-14	13:00:06	70.0	114.2	99.0	49.2	No	No
80	2019-07-14	14:00:06	71.4	113.4	97.7	49.6	No	No
81	2019-07-14	15:00:06	75.7	118.9	103.0	49.4	No	No
82	2019-07-14	16:00:06	70.4	116.2	99.7	50.4	No	No
83	2019-07-14	17:00:06	71.1	110.9	96.7	50.8	No	No
84	2019-07-14	18:00:06	75.4	117.2	102.6	50.2	No	No
85	2019-07-14	19:00:06	67.9	111.9	96.3	51.4	No	No
86	2019-07-14	20:00:06	69.4	115.2	97.8	50.8	No	No
87	2019-07-14	21:00:06	65.1	108.3	92.9	49.7	No	No
88	2019-07-14	22:00:06	73.6	119.4	104.3	49.5	No	No
89	2019-07-14	23:00:06	52.6	97.1	65.3	48.5	No	No
90	2019-07-15	0:00:06	71.1	114.6	98.9	46.9	No	No
91	2019-07-15	1:00:06	59.0	105.0	87.8	48.0	No	No
92	2019-07-15	2:00:06	78.4	119.1	105.5	48.4	No	No
93	2019-07-15	3:00:06	70.8	117.8	101.8	47.9	No	No
94	2019-07-15	4:00:06	53.6	98.8	72.1	49.7	No	No
95	2019-07-15	5:00:06	71.7	114.1	98.0	50.1	No	No
96	2019-07-15	6:00:06	74.1	115.5	100.5	53.1	No	No
97	2019-07-15	7:00:06	71.5	112.5	98.1	51.2	No	No
98	2019-07-15	8:00:06	79.5	115.0	99.4	51.7	No	No
99	2019-07-15	9:00:06	73.6	113.3	94.8	49.7	No	No
100	2019-07-15	10:00:06	80.2	120.1	105.4	51.4	No	No
101	2019-07-15	11:00:06	70.4	114.3	98.9	50.0	No	No
102	2019-07-15	12:00:06	66.1	111.2	94.7	51.4	No	No
103	2019-07-15	13:00:06	72.8	114.0	99.1	53.2	No	No
104	2019-07-15	14:00:06	73.2	116.7	101.9	50.7	No	No
105	2019-07-15	15:00:06	72.7	113.4	98.6	48.3	No	No
106	2019-07-15	16:00:06	68.4	112.6	96.0	51.6	No	No
107	2019-07-15	17:00:06	74.0	117.0	101.5	49.7	No	No
108	2019-07-15	18:00:06	70.4	114.8	99.3	50.8	No	No
109	2019-07-15	19:00:06	72.0	115.9	100.6	50.7	No	No
110	2019-07-15	20:00:06	71.7	116.2	100.7	50.3	No	No
111	2019-07-15	21:00:06	59.7	107.4	87.3	49.7	No	No

112	2019-07-15	22:00:06	67.8	112.9	97.7	49.0	No	No
113	2019-07-15	23:00:06	68.2	113.6	98.3	47.5	No	No
114	2019-07-16	0:00:06	70.3	114.2	99.5	45.9	No	No
115	2019-07-16	1:00:06	50.4	98.2	64.9	44.4	No	No
116	2019-07-16	2:00:06	49.6	97.0	66.7	44.8	No	No
117	2019-07-16	3:00:06	52.7	107.1	76.9	45.6	No	No
118	2019-07-16	4:00:06	68.2	115.5	99.2	45.8	No	No
119	2019-07-16	5:00:06	74.3	117.3	102.7	49.5	No	No
120	2019-07-16	6:00:06	72.6	116.4	100.5	49.2	No	No
121	2019-07-16	7:00:06	69.9	111.1	95.6	50.7	No	No
122	2019-07-16	8:00:06	71.4	113.2	98.2	51.1	No	No
123	2019-07-16	9:00:06	72.3	114.3	99.0	51.7	No	No
124	2019-07-16	10:00:06	72.6	118.1	100.9	51.9	No	No
125	2019-07-16	11:00:06	73.6	117.1	102.0	51.2	No	No
126	2019-07-16	12:00:06	72.6	114.2	100.0	50.8	No	No
127	2019-07-16	13:00:06	77.1	119.3	106.0	51.0	No	No
128	2019-07-16	14:00:06	74.0	118.9	103.5	51.8	No	No
129	2019-07-16	15:00:06	72.8	117.3	100.5	50.7	No	No
130	2019-07-16	16:00:06	66.4	115.0	95.1	53.8	No	No
131	2019-07-16	17:00:06	76.5	119.0	104.6	51.5	No	No
132	2019-07-16	18:00:06	73.5	117.4	101.0	52.0	No	No
133	2019-07-16	19:00:06	74.0	116.5	102.7	50.5	No	No
134	2019-07-16	20:00:06	67.9	112.6	96.3	50.6	No	No
135	2019-07-16	21:00:06	71.8	115.6	100.0	48.3	No	No
136	2019-07-16	22:00:06	65.5	116.5	92.8	48.0	No	No
137	2019-07-16	23:00:06	71.8	117.2	98.7	45.5	No	No
138	2019-07-17	0:00:06	69.3	115.0	98.3	47.3	No	No
139	2019-07-17	1:00:06	52.0	111.9	65.1	44.4	No	No
140	2019-07-17	2:00:06	48.6	105.2	66.7	43.7	No	No
141	2019-07-17	3:00:06	50.2	109.3	69.0	44.6	No	No
142	2019-07-17	4:00:06	66.7	111.4	95.5	46.4	No	No
143	2019-07-17	5:00:06	62.1	108.0	90.3	46.7	No	No
144	2019-07-17	6:00:06	71.6	114.2	98.3	50.0	No	No
145	2019-07-17	7:00:06	69.6	111.9	97.1	50.3	No	No
146	2019-07-17	8:00:06	75.4	116.3	101.8	49.7	No	No
147	2019-07-17	9:00:06	70.9	113.0	98.0	49.2	No	No
148	2019-07-17	10:00:06	72.2	115.5	99.8	50.8	No	No
149	2019-07-17	11:00:06	69.9	113.4	97.5	50.3	No	No
150	2019-07-17	12:00:06	69.1	113.1	99.1	49.6	No	No
151	2019-07-17	13:00:06	74.0	115.5	101.2	53.0	No	No
152	2019-07-17	14:00:06	75.1	118.1	103.5	53.8	No	No
153	2019-07-17	15:00:06	68.4	111.5	96.3	52.6	No	No
154	2019-07-17	16:00:06	68.0	112.6	96.1	52.9	No	No
155	2019-07-17	17:00:06	76.7	116.9	103.1	53.1	No	No
156	2019-07-17	18:00:06	70.1	113.2	96.9	53.0	No	No
157	2019-07-17	19:00:06	71.8	114.9	99.2	51.7	No	No
158	2019-07-17	20:00:06	73.1	117.8	103.0	50.7	No	No
159	2019-07-17	21:00:06	54.6	103.8	76.9	49.0	No	No
160	2019-07-17	22:00:06	70.8	113.7	98.1	49.8	No	No
161	2019-07-17	23:00:06	57.8	104.6	86.9	48.9	No	No
162	2019-07-18	0:00:06	67.9	113.6	97.9	49.1	No	No
163	2019-07-18	1:00:06	53.3	102.8	67.1	48.4	No	No
164	2019-07-18	2:00:06	53.5	104.7	69.7	49.7	No	No
165	2019-07-18	3:00:06	53.7	112.9	69.6	49.8	No	No
166	2019-07-18	4:00:06	69.0	110.1	95.9	50.6	No	No
167	2019-07-18	5:00:06	70.1	112.8	98.0	52.1	No	No

168	2019-07-18	6:00:06	73.5	117.0	101.1	54.7	No	No
169	2019-07-18	7:00:06	67.0	111.3	95.3	54.4	No	No
170	2019-07-18	8:00:06	72.7	115.4	102.0	52.2	No	No
171	2019-07-18	9:00:06	79.1	121.7	107.5	51.7	No	No
172	2019-07-18	10:00:06	78.4	119.8	104.7	52.5	No	No
173	2019-07-18	11:00:06	73.2	115.7	100.0	53.1	No	No
174	2019-07-18	12:00:06	67.9	113.4	99.0	52.8	No	No
175	2019-07-18	13:00:06	74.3	115.9	98.7	54.4	No	No
176	2019-07-18	14:00:06	77.9	118.7	101.6	53.4	No	No
177	2019-07-18	15:00:06	68.6	114.8	95.6	50.9	No	No
178	2019-07-18	16:00:06	73.8	117.3	100.5	53.0	No	No
179	2019-07-18	17:00:06	71.9	114.4	98.0	50.7	No	No
180	2019-07-18	18:00:06	69.4	117.8	99.5	51.1	No	No
181	2019-07-18	19:00:06	75.4	116.1	103.1	50.8	No	No
182	2019-07-18	20:00:06	74.8	116.6	103.3	50.5	No	No
183	2019-07-18	21:00:06	67.6	115.0	96.0	49.1	No	No
184	2019-07-18	22:00:06	63.6	109.7	90.6	47.1	No	No
185	2019-07-18	23:00:06	68.4	113.3	98.9	46.0	No	No
186	2019-07-19	0:00:06	71.1	112.8	99.2	47.3	No	No
187	2019-07-19	1:00:06	48.6	104.5	64.7	43.8	No	No
188	2019-07-19	2:00:06	58.4	104.9	87.7	44.0	No	No
189	2019-07-19	3:00:06	65.7	110.5	95.1	44.2	No	No
190	2019-07-19	4:00:06	65.6	113.2	97.7	46.8	No	No
191	2019-07-19	5:00:06	58.7	102.9	86.2	47.1	No	No
192	2019-07-19	6:00:06	74.2	116.2	100.8	48.0	No	No
193	2019-07-19	7:00:06	69.2	112.7	95.3	49.8	No	No
194	2019-07-19	8:00:06	71.5	116.0	98.3	49.7	No	No
195	2019-07-19	9:00:06	70.4	115.0	98.5	49.3	No	No
196	2019-07-19	10:00:06	67.9	111.0	95.1	48.8	No	No
197	2019-07-19	11:00:06	73.4	115.6	100.8	51.1	No	No
198	2019-07-19	12:00:06	73.5	116.2	101.1	55.0	No	No
199	2019-07-19	13:00:06	71.4	115.9	100.2	52.4	No	No
200	2019-07-19	14:00:06	71.1	114.5	98.8	52.9	No	No
201	2019-07-19	15:00:06	75.8	115.5	101.6	53.2	No	No
202	2019-07-19	16:00:06	66.1	109.7	91.3	55.3	No	No
203	2019-07-19	17:00:06	73.5	113.2	97.6	53.4	No	No
204	2019-07-19	18:00:06	74.5	115.9	100.9	54.9	No	No
205	2019-07-19	19:00:06	73.5	116.2	103.0	54.3	No	No
206	2019-07-19	20:00:06	70.9	116.1	101.1	54.2	No	No
207	2019-07-19	21:00:06	69.4	114.0	99.0	52.5	No	No
208	2019-07-19	22:00:06	71.1	112.2	97.7	50.2	No	No
209	2019-07-19	23:00:06	64.0	109.2	90.9	50.5	No	No
210	2019-07-20	0:00:06	76.2	117.8	103.3	48.9	No	No
211	2019-07-20	1:00:06	72.2	114.6	101.2	48.6	No	No
212	2019-07-20	2:00:06	51.2	96.7	62.9	47.8	No	No
213	2019-07-20	3:00:06	52.0	98.6	72.1	47.9	No	No
214	2019-07-20	4:00:06	59.1	102.9	84.3	48.6	No	No
215	2019-07-20	5:00:06	59.3	103.3	81.5	50.6	No	No
216	2019-07-20	6:00:06	63.1	112.1	87.3	51.1	No	No
217	2019-07-20	7:00:06	73.7	116.2	101.1	50.5	No	No
218	2019-07-20	8:00:06	67.0	113.0	96.4	48.8	No	No
219	2019-07-20	9:00:06	67.0	112.3	96.2	47.4	No	No
220	2019-07-20	10:00:06	71.9	116.9	101.2	50.0	No	No
221	2019-07-20	11:00:06	74.6	116.8	102.3	49.5	No	No
222	2019-07-20	12:00:06	67.8	112.5	98.3	51.8	No	No
223	2019-07-20	13:00:06	69.4	114.3	99.0	53.0	No	No

224	2019-07-20	14:00:06	71.8	117.1	101.3	52.7	No	No
225	2019-07-20	15:00:06	70.9	113.9	97.3	55.5	No	No
226	2019-07-20	16:00:06	72.0	117.1	101.9	54.5	No	No
227	2019-07-20	17:00:06	73.7	117.0	102.4	55.7	No	No
228	2019-07-20	18:00:06	71.4	113.4	97.2	53.0	No	No
229	2019-07-20	19:00:06	72.2	115.4	98.0	51.7	No	No
230	2019-07-20	20:00:06	69.1	115.8	99.2	52.2	No	No
231	2019-07-20	21:00:06	59.9	110.4	86.2	50.6	No	No
232	2019-07-20	22:00:06	71.0	114.1	99.2	49.0	No	No
233	2019-07-20	23:00:06	53.8	100.6	79.0	47.2	No	No
234	2019-07-21	0:00:06	70.9	115.8	101.2	46.4	No	No
235	2019-07-21	1:00:06	49.7	94.4	66.6	45.3	No	No
236	2019-07-21	2:00:06	68.5	118.0	100.6	44.5	No	No
237	2019-07-21	3:00:06	60.0	110.8	89.3	44.2	No	No
238	2019-07-21	4:00:06	61.2	108.1	89.1	44.2	No	No
239	2019-07-21	5:00:06	49.7	97.2	70.8	45.2	No	No
240	2019-07-21	6:00:06	52.6	101.0	74.0	45.8	No	No
241	2019-07-21	7:00:06	72.6	116.4	102.1	47.9	No	No
242	2019-07-21	8:00:06	69.6	115.8	100.2	46.8	No	No
243	2019-07-21	9:00:06	67.3	109.5	93.3	48.5	No	No
244	2019-07-21	10:00:06	72.0	114.3	99.4	51.7	No	No
245	2019-07-21	11:00:06	70.6	115.7	98.9	53.6	No	No
246	2019-07-21	12:00:06	70.7	114.1	99.2	53.6	No	No
247	2019-07-21	13:00:06	67.5	112.5	96.2	52.5	No	No
248	2019-07-21	14:00:06	70.2	116.6	100.1	52.0	No	No
249	2019-07-21	15:00:06	75.3	117.1	103.5	52.0	No	No
250	2019-07-21	16:00:06	61.2	107.4	89.1	53.0	No	No
251	2019-07-21	17:00:06	74.9	117.3	102.0	53.6	No	No
252	2019-07-21	18:00:06	72.3	115.5	100.6	54.3	No	No
253	2019-07-21	19:00:06	74.2	115.4	101.7	52.2	No	No
254	2019-07-21	20:00:06	73.3	116.7	101.4	53.1	No	No
255	2019-07-21	21:00:06	64.6	108.1	92.7	52.1	No	No
256	2019-07-21	22:00:06	67.1	113.4	96.7	50.9	No	No
257	2019-07-21	23:00:06	56.7	100.1	79.7	48.3	No	No
258	2019-07-22	0:00:06	67.5	111.6	97.1	46.5	No	No
259	2019-07-22	1:00:06	49.8	96.1	59.5	45.4	No	No
260	2019-07-22	2:00:06	70.3	118.1	100.8	45.7	No	No
261	2019-07-22	3:00:06	53.1	95.3	71.6	45.7	No	No
262	2019-07-22	4:00:06	68.0	114.7	100.5	50.1	No	No
263	2019-07-22	5:00:06	65.6	109.7	94.6	52.2	No	No
264	2019-07-22	6:00:06	70.1	112.7	97.7	55.5	No	No
265	2019-07-22	7:00:06	73.1	113.4	98.3	54.1	No	No
266	2019-07-22	8:00:06	71.5	112.4	98.1	51.8	No	No
267	2019-07-22	9:00:06	75.9	115.5	101.7	51.4	No	No
268	2019-07-22	10:00:06	73.5	115.4	97.6	50.5	No	No
269	2019-07-22	11:00:06	71.8	116.2	101.3	52.7	No	No
270	2019-07-22	12:00:06	65.2	109.5	90.8	53.6	No	No
271	2019-07-22	13:00:06	69.6	115.5	98.4	54.1	No	No
272	2019-07-22	14:00:06	75.2	116.9	102.3	54.9	No	No
273	2019-07-22	15:00:06	72.4	115.4	100.9	52.9	No	No
274	2019-07-22	16:00:06	68.7	113.9	96.7	53.5	No	No
275	2019-07-22	17:00:06	76.2	116.0	102.5	52.9	No	No
276	2019-07-22	18:00:06	76.0	116.7	102.1	52.2	No	No
277	2019-07-22	19:00:06	67.5	111.1	94.5	53.9	No	No
278	2019-07-22	20:00:06	74.7	115.3	99.5	51.9	No	No
279	2019-07-22	21:00:06	68.7	113.3	98.5	51.5	No	No

280	2019-07-22	22:00:06	71.2	114.5	100.6	50.1	No	No
281	2019-07-22	23:00:06	64.1	112.4	92.2	47.0	No	No
282	2019-07-23	0:00:06	72.9	114.6	99.6	48.7	No	No
283	2019-07-23	1:00:06	52.7	102.8	70.1	47.7	No	No
284	2019-07-23	2:00:06	51.1	101.9	68.9	47.0	No	No
285	2019-07-23	3:00:06	52.1	92.3	71.2	48.4	No	No
286	2019-07-23	4:00:06	65.8	111.2	96.0	48.1	No	No
287	2019-07-23	5:00:06	72.7	115.7	101.3	50.0	No	No
288	2019-07-23	6:00:06	75.8	116.6	102.4	52.3	No	No
289	2019-07-23	7:00:06	69.5	112.3	97.6	51.3	No	No
290	2019-07-23	8:00:06	78.8	119.1	105.9	50.8	No	No
291	2019-07-23	9:00:06	71.5	112.7	98.1	51.3	No	No
292	2019-07-23	10:00:06	72.7	114.6	98.8	51.7	No	No
293	2019-07-23	11:00:06	69.6	117.3	99.9	50.6	No	No
294	2019-07-23	12:00:06	73.0	114.3	101.1	49.2	No	No
295	2019-07-23	13:00:06	74.1	118.5	103.7	51.2	No	No
296	2019-07-23	14:00:06	70.5	113.2	97.8	52.0	No	No
297	2019-07-23	15:00:06	74.1	116.3	101.6	51.7	No	No
298	2019-07-23	16:00:06	74.7	119.1	104.4	51.6	No	No
299	2019-07-23	17:00:06	74.9	117.3	99.6	51.1	No	No
300	2019-07-23	18:00:06	72.5	113.9	100.9	50.9	No	No
301	2019-07-23	19:00:06	72.8	117.2	103.0	50.2	No	No
302	2019-07-23	20:00:06	71.9	114.8	98.7	50.3	No	No
303	2019-07-23	21:00:06	72.6	116.4	101.5	47.7	No	No
304	2019-07-23	22:00:06	76.6	116.6	101.5	47.3	No	No
305	2019-07-23	23:00:06	58.6	105.0	86.5	47.8	No	No
306	2019-07-24	0:00:06	69.3	112.9	98.1	47.5	No	No
307	2019-07-24	1:00:06	52.9	95.9	63.4	47.3	No	No
308	2019-07-24	2:00:06	58.9	105.5	86.5	47.0	No	No
309	2019-07-24	3:00:06	53.7	97.1	71.6	46.7	No	No
310	2019-07-24	4:00:06	66.5	109.9	96.1	49.4	No	No
311	2019-07-24	5:00:06	61.2	106.4	89.8	51.1	No	No
312	2019-07-24	6:00:06	71.6	115.4	99.9	50.8	No	No
313	2019-07-24	7:00:06	71.3	113.4	98.1	54.9	No	No
314	2019-07-24	8:00:06	74.5	116.5	100.8	53.1	No	No
315	2019-07-24	9:00:06	72.5	115.8	100.8	52.3	No	No
316	2019-07-24	10:00:06	67.9	110.8	93.1	50.4	No	No
317	2019-07-24	11:00:06	70.1	114.2	98.8	53.4	No	No
318	2019-07-24	12:00:06	69.7	115.5	99.1	50.4	No	No
319	2019-07-24	13:00:06	76.3	116.4	101.7	52.6	No	No
320	2019-07-24	14:00:06	69.5	113.0	97.9	51.4	No	No
321	2019-07-24	15:00:06	67.8	111.6	95.0	50.5	No	No
322	2019-07-24	16:00:06	73.0	116.2	101.2	51.6	No	No
323	2019-07-24	17:00:06	77.9	118.0	104.2	53.6	No	No
324	2019-07-24	18:00:06	74.8	118.1	102.0	53.5	No	No
325	2019-07-24	19:00:06	71.5	116.7	100.9	54.5	No	No
326	2019-07-24	20:00:06	72.6	114.4	100.1	53.3	No	No
327	2019-07-24	21:00:06	69.4	112.3	97.7	52.4	No	No
328	2019-07-24	22:00:06	69.6	114.3	99.1	48.5	No	No
329	2019-07-24	23:00:06	67.9	112.6	97.3	46.4	No	No
330	2019-07-25	0:00:06	69.4	116.1	100.6	47.6	No	No
331	2019-07-25	1:00:06	64.3	110.6	94.0	48.4	No	No
332	2019-07-25	2:00:06	54.6	99.2	69.9	47.2	No	No
333	2019-07-25	3:00:06	51.9	96.7	69.4	48.3	No	No
334	2019-07-25	4:00:06	67.4	113.4	97.8	49.6	No	No
335	2019-07-25	5:00:06	66.3	110.7	94.7	50.3	No	No

336		2019-07-25	6:00:06	74.2	114.7	100.6	51.6	No	No
337		2019-07-25	7:00:06	68.5	112.6	95.9	53.2	No	No
338		2019-07-25	8:00:06	68.3	108.4	83.5	56.5	No	No
339	Stop	2019-07-25	8:02:02						

Calculated Ldn from long-term noise monitoring data

LT-5 Howard Terminal Crane

	TIME	dBA	Remove LOG	10 dBA Penalized Values	5 dBA Penalized Values
2/20/2019	Midnight	0 / 24		616595	1949845
	am 1:00	100		588844	1862087
	2:00	200		416869	1318257
	3:00	300		549541	1737801
	4:00	400		851138	2691535
	5:00	500		812831	2570396
	6:00	600		1023293	3235937
	7:00	700		1202264	3801894
	8:00	800		1148154	3630781
	9:00	900		1202264	3801894
	10:00	1000		891251	2818383
2/19/2019	11:00	1100		549541	1737801
	12:00	1200		602560	1905461
	pm 1:00	1300		588844	1862087
	2:00	1400		707946	2238721
	3:00	1500		912011	2884032
	4:00	1600		562341	1778279
	5:00	1700		977237	3090295
	6:00	1800		1174898	3715352
	7:00	1900		851138	2691535
	8:00	2000		707946	2238721
	9:00	2100		691831	2187762
	10:00	2200		489779	1548817
	pm 11:00	2300		331131	1047129

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**61** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**60** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)**

**58** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**59** dBA

**Leq 24-Hour**

**59** dBA

**Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

**65** dBA

**CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m., and 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

**65** dBA

**CNEL - Ldn 0.29367283**

## Summary

File Name on Meter	LxT_Data.029
File Name on PC	SLM_0004435_LxT_Data_029.00.ldbin
Serial Number	0004435
Model	SoundTrack LxT®
Firmware Version	2.302
User	C. Sanchez
Location	LT-5 Howard Terminal Waterfront Crane
Job Description	A's Ballpark Development
Note	

## Measurement

### Description

Start	2019-02-19 10:58:14
Stop	2019-02-21 11:05:06
Duration	48:06:51.500
Run Time	48:06:51.500
Pause	00:00:00.0

Pre Calibration	2019-02-19 10:43:38
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamp	PRMLxT2B
Microphone Correction	Off
Integration Method	Exponential
Overload	142.9
	<b>A</b>
Under Range Peak	99.1
Under Range Limit	<b>48.1</b>
Noise Floor	35.0

## Results

LASeq	58.9
LASE	111.3
EAS	14.892
EAS8	2.476
EAS40	12.380
LZSpeak (max)	2019-02-20 03:43:18
LASmax	2019-02-19 15:25:31
LASmin	2019-02-21 02:59:46
SEA	-99.9

LAS > 85.0 dB (Exceedance Counts / Duration) 0

<b>LAS &gt; 115.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 135.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 137.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 140.0 dB (Exceedance Counts / Duration)</b>	0
<b>LCSeq</b>	72.5
<b>LASeq</b>	58.9
<b>LCSeq - LASeq</b>	13.6
<b>LALeq</b>	60.6
<b>LAeq</b>	58.9
<b>LALeq - LAeq</b>	1.7

Record #	Record Type	Date	Time	LASeq	LZpeak	LASmax	LASmin	OVLD	OBA OVLD	Marker
1	Calibration Change	2019-02-19	10:43:38							
2	Run	2019-02-19	10:58:14							
3		2019-02-19	10:58:14	57.4	102.4	73.7	51.4	No	No	
4		2019-02-19	11:58:14	57.8	103.9	73.3	50.4	No	No	
5		2019-02-19	12:58:14	57.7	102.7	71.5	50.9	No	No	
6		2019-02-19	13:58:14	58.5	106.8	72.1	50.6	No	No	
7		2019-02-19	14:58:14	59.6	103.7	82.5	51.5	No	No	
8		2019-02-19	15:58:14	57.5	101.0	69.6	50.3	No	No	
9		2019-02-19	16:58:14	59.9	102.2	72.0	54.8	No	No	
10		2019-02-19	17:58:14	60.7	99.0	73.2	55.3	No	No	
11		2019-02-19	18:58:14	59.3	97.0	68.6	54.7	No	No	
12		2019-02-19	19:58:14	58.5	101.3	71.0	54.1	No	No	
13		2019-02-19	20:58:14	58.4	104.7	68.8	53.9	No	No	
14		2019-02-19	21:58:14	56.9	101.4	75.6	53.3	No	No	
15		2019-02-19	22:58:14	55.2	94.0	70.3	52.6	No	No	
16		2019-02-19	23:58:14	57.9	103.1	70.0	52.9	No	No	
17		2019-02-20	0:58:14	57.7	101.6	73.7	52.2	No	No	
18		2019-02-20	1:58:14	56.2	102.0	66.9	52.0	No	No	
19		2019-02-20	2:58:14	57.4	115.2	68.3	52.1	No	No	
20		2019-02-20	3:58:14	59.3	108.4	73.5	52.9	No	No	
21		2019-02-20	4:58:14	59.1	101.6	75.0	54.3	No	No	
22		2019-02-20	5:58:14	60.1	103.2	73.9	54.4	No	No	
23		2019-02-20	6:58:14	60.8	99.9	75.6	54.6	No	No	
24		2019-02-20	7:58:14	60.6	103.6	76.1	56.2	No	No	
25		2019-02-20	8:58:14	60.8	103.8	73.1	55.5	No	No	
26		2019-02-20	9:58:14	59.5	111.4	74.0	53.8	No	No	
27		2019-02-20	10:58:14	59.0	107.8	74.0	52.7	No	No	
28		2019-02-20	11:58:14	57.3	104.4	72.6	52.2	No	No	
29		2019-02-20	12:58:14	58.3	108.8	76.2	52.8	No	No	
30		2019-02-20	13:58:14	59.1	108.0	74.7	53.3	No	No	
31		2019-02-20	14:58:14	59.6	111.6	74.4	53.6	No	No	
32		2019-02-20	15:58:14	60.0	109.7	77.5	53.0	No	No	
33		2019-02-20	16:58:14	59.6	109.8	79.6	53.7	No	No	
34		2019-02-20	17:58:14	60.5	109.9	78.2	53.5	No	No	
35		2019-02-20	18:58:14	59.6	108.0	73.9	53.7	No	No	
36		2019-02-20	19:58:14	59.9	103.0	78.1	53.8	No	No	
37		2019-02-20	20:58:14	57.6	103.2	73.0	53.3	No	No	
38		2019-02-20	21:58:14	56.1	102.5	78.5	52.0	No	No	
39		2019-02-20	22:58:14	57.6	101.4	77.3	51.8	No	No	
40		2019-02-20	23:58:14	54.3	103.2	71.3	50.7	No	No	
41		2019-02-21	0:58:14	54.7	101.9	64.7	50.2	No	No	
42		2019-02-21	1:58:14	53.1	98.1	63.3	49.4	No	No	
43		2019-02-21	2:58:14	57.4	105.4	66.3	49.3	No	No	
44		2019-02-21	3:58:14	56.3	94.3	78.5	51.3	No	No	
45		2019-02-21	4:58:14	58.3	99.9	72.5	53.3	No	No	
46		2019-02-21	5:58:14	62.1	100.3	79.6	55.1	No	No	
47		2019-02-21	6:58:14	60.1	99.5	72.8	55.0	No	No	
48		2019-02-21	7:58:14	61.0	98.9	78.6	54.6	No	No	
49		2019-02-21	8:58:14	59.9	102.8	76.0	53.2	No	No	
50		2019-02-21	9:58:14	60.2	107.3	78.5	53.0	No	No	
51		2019-02-21	10:58:14	64.0	102.7	72.3	61.2	No	No	
52	Stop	2019-02-21	11:05:06							

Calculated Ldn from long-term noise monitoring data

LT-6 Adjacent to Schnitzer Steel

	TIME	dBA	Remove LOG	10 dBA Penalized Values	5 dBA Penalized Values	
2/22/2019	Midnight 0 / 24	68.8		7585776	75857758	23988329
	am 1:00	100	68.1	6456542	64565423	20417379
	2:00	200	66.1	4073803	40738028	12882496
	3:00	300	67.1	5128614	51286138	16218101
	4:00	400	69.5	8912509	89125094	28183829
	5:00	500	69.6	9120108	91201084	28840315
	6:00	600	71.1	12882496	128824955	40738028
	7:00	700	70.7	11748976	117489755	37153523
	8:00	800	67.7	5888437	58884366	18620871
	9:00	900	68.1	6456542	64565423	20417379
	10:00	1000	69.7	9332543	93325430	29512092
	11:00	1100	69.6	9120108	91201084	28840315
2/21/2019	12:00	1200	68.5	7079458	70794578	22387211
	pm 1:00	1300	66.6	4570882	45708819	14454398
	2:00	1400	67.4	5495409	54954087	17378008
	3:00	1500	64.7	2951209	29512092	9332543
	4:00	1600	67.1	5128614	51286138	16218101
	5:00	1700	68.1	6456542	64565423	20417379
	6:00	1800	68.8	7585776	75857758	23988329
	7:00	1900	68.8	7585776	75857758	23988329
	8:00	2000	69.6	9120108	91201084	28840315
	9:00	2100	69.6	9120108	91201084	28840315
	10:00	2200	69.8	9549926	95499259	30199517
	pm 11:00	2300	69.4	8709636	87096359	27542287

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**69** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**68** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)**

**69** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**69** dBA

**Leq 24-Hour**

**69** dBA

**Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

**75** dBA

**CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m., and 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

**76** dBA

**CNEL - Ldn 0.28218264**

## Summary

File Name on Meter	LxT_Data.030
File Name on PC	SLM_0004435_LxT_Data_0
Serial Number	0004435
Model	SoundTrack LxT®
Firmware Version	2.302
User	C. Sanchez
Location	LT-6 XPO Logistics
Job Description	A's Ballpark Development
Note	

## Measurement

Description	
Start	2019-02-21 12:02:23
Stop	2019-02-25 07:00:36
Duration	90:58:13.188
Run Time	90:58:13.188
Pause	00:00:00.0
Pre Calibration	2019-02-19 10:43:37
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamp	PRMLxT2B
Microphone Correction	Off
Integration Method	Exponential
Overload	142.9
	<b>A</b>
Under Range Peak	99.1
Under Range Limit	<b>48.1</b>
Noise Floor	35.0

## Results

LASeq	67.0
LASE	122.2
EAS	182.510
EAS8	16.050
EAS40	80.251
LZSpeak (max)	2019-02-21 18:27:56
LASmax	2019-02-23 10:29:23
LASmin	2019-02-24 13:29:04
SEA	136.5

LAS > 85.0 dB (Exceedance Counts / Duration) 54

<b>LAS &gt; 115.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 135.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 137.0 dB (Exceedance Counts / Duration)</b>	0
<b>LZspeak &gt; 140.0 dB (Exceedance Counts / Duration)</b>	0
<b>LCSeq</b>	76.2
<b>LASeq</b>	67.0
<b>LCSeq - LASeq</b>	9.2
<b>LALeq</b>	69.4
<b>LAeq</b>	67.0
<b>LALeq - LAeq</b>	2.4

Record #	Record Type	Date	Time	LASeq	LZpeak	LASmax	LASmin	OVLD	OBA OVLD	Marker
1	Run	2019-02-21	12:02:23							
2		2019-02-21	12:02:23	68.5	110.8	87.6	61.9	No	No	
3		2019-02-21	13:02:23	66.6	113.2	82.3	60.9	No	No	
4		2019-02-21	14:02:23	67.4	109.7	84.6	60.3	No	No	
5		2019-02-21	15:02:23	64.7	109.6	82.8	58.9	No	No	
6		2019-02-21	16:02:23	67.1	112.5	88.9	61.0	No	No	
7		2019-02-21	17:02:23	68.1	108.9	86.8	63.8	No	No	
8		2019-02-21	18:02:23	68.8	123.6	86.7	64.5	No	No	
9		2019-02-21	19:02:23	68.8	105.4	82.5	64.8	No	No	
10		2019-02-21	20:02:23	69.6	109.7	87.3	64.1	No	No	
11		2019-02-21	21:02:23	69.6	111.9	87.7	65.8	No	No	
12		2019-02-21	22:02:23	69.8	105.7	88.2	64.4	No	No	
13		2019-02-21	23:02:23	69.4	109.8	89.7	63.2	No	No	
14		2019-02-22	0:02:23	68.8	107.5	82.4	63.5	No	No	
15		2019-02-22	1:02:23	68.1	107.3	81.8	62.8	No	No	
16		2019-02-22	2:02:23	66.1	105.0	80.3	61.6	No	No	
17		2019-02-22	3:02:23	67.1	103.9	86.0	59.6	No	No	
18		2019-02-22	4:02:23	69.5	109.0	81.9	60.1	No	No	
19		2019-02-22	5:02:23	69.6	106.2	85.5	64.0	No	No	
20		2019-02-22	6:02:23	71.1	105.1	87.1	64.6	No	No	
21		2019-02-22	7:02:23	70.7	109.8	89.4	58.8	No	No	
22		2019-02-22	8:02:23	67.7	105.9	86.8	60.3	No	No	
23		2019-02-22	9:02:23	68.1	99.5	84.9	64.0	No	No	
24		2019-02-22	10:02:23	69.7	111.4	86.5	64.6	No	No	
25		2019-02-22	11:02:23	69.6	107.4	88.7	64.4	No	No	
26		2019-02-22	12:02:23	68.6	110.4	84.8	63.6	No	No	
27		2019-02-22	13:02:23	67.8	109.3	79.7	60.8	No	No	
28		2019-02-22	14:02:23	67.9	110.5	86.0	60.2	No	No	
29		2019-02-22	15:02:23	62.9	103.6	83.4	56.2	No	No	
30		2019-02-22	16:02:23	66.9	104.7	87.7	56.2	No	No	
31		2019-02-22	17:02:23	69.3	108.5	88.6	62.4	No	No	
32		2019-02-22	18:02:23	69.6	108.9	86.2	63.8	No	No	
33		2019-02-22	19:02:23	69.6	105.7	82.7	65.2	No	No	
34		2019-02-22	20:02:23	70.0	107.8	81.8	65.4	No	No	
35		2019-02-22	21:02:23	69.8	105.9	85.4	63.0	No	No	
36		2019-02-22	22:02:23	69.1	100.4	81.5	62.6	No	No	
37		2019-02-22	23:02:23	70.1	109.4	84.3	64.3	No	No	
38		2019-02-23	0:02:23	68.8	103.2	79.2	63.0	No	No	
39		2019-02-23	1:02:23	69.2	107.7	81.7	64.3	No	No	
40		2019-02-23	2:02:23	68.8	106.6	79.2	61.4	No	No	
41		2019-02-23	3:02:23	61.1	108.8	75.5	57.6	No	No	
42		2019-02-23	4:02:23	66.0	106.5	79.3	57.2	No	No	
43		2019-02-23	5:02:23	68.7	106.3	82.4	63.4	No	No	
44		2019-02-23	6:02:23	69.6	111.4	85.8	64.3	No	No	
45		2019-02-23	7:02:23	69.2	99.5	79.3	65.0	No	No	
46		2019-02-23	8:02:23	69.6	112.1	90.0	64.8	No	No	
47		2019-02-23	9:02:23	67.9	110.9	93.0	55.5	No	No	
48		2019-02-23	10:02:23	68.2	112.8	93.4	55.8	No	No	
49		2019-02-23	11:02:23	68.9	111.5	79.3	65.3	No	No	
50		2019-02-23	12:02:23	69.0	105.7	76.9	64.0	No	No	
51		2019-02-23	13:02:23	68.9	108.4	85.1	65.1	No	No	
52		2019-02-23	14:02:23	59.7	98.1	74.8	54.0	No	No	
53		2019-02-23	15:02:23	57.4	102.6	73.5	53.2	No	No	
54		2019-02-23	16:02:23	67.7	102.2	77.3	56.6	No	No	
55		2019-02-23	17:02:23	67.1	99.2	76.2	61.9	No	No	

56	2019-02-23	18:02:23	65.9	100.0	74.9	61.4	No	No
57	2019-02-23	19:02:23	67.2	104.9	79.7	63.0	No	No
58	2019-02-23	20:02:23	67.4	104.1	78.0	62.8	No	No
59	2019-02-23	21:02:23	68.4	103.2	81.0	62.8	No	No
60	2019-02-23	22:02:23	68.1	99.8	81.2	64.9	No	No
61	2019-02-23	23:02:23	67.8	102.4	80.8	63.2	No	No
62	2019-02-24	0:02:23	67.1	99.8	78.6	62.1	No	No
63	2019-02-24	1:02:23	67.7	100.4	75.7	61.6	No	No
64	2019-02-24	2:02:23	66.5	105.1	80.2	58.1	No	No
65	2019-02-24	3:02:23	53.8	90.2	66.0	51.6	No	No
66	2019-02-24	4:02:23	55.0	92.5	75.4	51.7	No	No
67	2019-02-24	5:02:23	56.0	97.5	82.0	51.6	No	No
68	2019-02-24	6:02:23	54.7	95.7	68.6	51.8	No	No
69	2019-02-24	7:02:23	57.5	98.2	81.3	52.4	No	No
70	2019-02-24	8:02:23	54.3	92.8	70.5	51.5	No	No
71	2019-02-24	9:02:23	56.1	94.8	77.2	52.3	No	No
72	2019-02-24	10:02:23	56.1	95.4	77.9	50.3	No	No
73	2019-02-24	11:02:23	55.1	94.5	73.1	50.3	No	No
74	2019-02-24	12:02:23	55.6	95.8	70.6	50.7	No	No
75	2019-02-24	13:02:23	54.3	97.3	76.0	50.1	No	No
76	2019-02-24	14:02:23	57.2	97.5	72.2	51.3	No	No
77	2019-02-24	15:02:23	56.6	97.7	79.4	50.5	No	No
78	2019-02-24	16:02:23	53.1	94.2	60.3	50.4	No	No
79	2019-02-24	17:02:23	55.8	99.9	82.0	50.8	No	No
80	2019-02-24	18:02:23	55.7	96.6	80.9	51.1	No	No
81	2019-02-24	19:02:23	57.5	98.9	80.8	50.6	No	No
82	2019-02-24	20:02:23	52.6	89.9	64.1	50.6	No	No
83	2019-02-24	21:02:23	56.9	96.7	80.4	51.1	No	No
84	2019-02-24	22:02:23	52.3	91.8	62.6	50.6	No	No
85	2019-02-24	23:02:23	54.9	97.9	82.3	50.8	No	No
86	2019-02-25	0:02:23	54.4	99.1	81.7	50.7	No	No
87	2019-02-25	1:02:23	51.8	91.4	62.6	50.7	No	No
88	2019-02-25	2:02:23	52.8	87.0	68.2	51.0	No	No
89	2019-02-25	3:02:23	58.1	94.2	71.0	51.0	No	No
90	2019-02-25	4:02:23	66.6	105.0	81.9	53.6	No	No
91	2019-02-25	5:02:23	68.5	109.9	81.5	62.2	No	No
92	2019-02-25	6:02:23	69.6	120.5	86.0	65.4	No	No
93	Stop	2019-02-25	7:00:36					

Calculated Ldn from long-term noise monitoring data

LT-7 Matson

	TIME	dBa	Remove LOG	10 dBA Penalized Values	5 dBA Penalized Values	
5/15/2021	Midnight	0 / 24	63.6	2306158	23061577	7292711
	am 1:00	100	62.9	1928333	19283329	6097924
	2:00	200	63.5	2252423	22524232	7122788
	3:00	300	64.0	2501583	25015835	7910702
	4:00	400	63.2	2085264	20852638	6594183
	5:00	500	63.6	2301113	23011133	7276759
	6:00	600	63.7	2366334	23663338	7483004
	7:00	700	63.5	2260706	22607055	7148979
	8:00	800	66.5	4416010	44160095	13964648
	9:00	900	67.7	5922117	59221172	18727379
	10:00	1000	64.9	3062972	30629718	9685967
	11:00	1100	65.2	3311326	33113265	10471334
	12:00	1200	65.9	3899581	38995815	12331559
	pm 1:00	1300	64.6	2887866	28878657	9132233
	2:00	1400	67.4	5493460	54934604	17371847
	3:00	1500	68.3	6777913	67779132	21433643
	4:00	1600	69.9	9884712	98847115	31258202
	5:00	1700	63.2	2098085	20980846	6634726
	6:00	1800	60.4	1101098	11010981	3481978
	7:00	1900	63.0	2013622	20136222	6367633
	8:00	2000	63.4	2171771	21717709	6867742
	9:00	2100	64.4	2762562	27625618	8735987
	10:00	2200	61.3	1343674	13436743	4249071
	pm 11:00	2300	63.5	2241346	22413465	7087760

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**66** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**66** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)**

**63** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**66** dBA

**Leq 24-Hour**

**65** dBA

**Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00**

**70** dBA

**CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00**

**70** dBA

**and 10 dBA penalty for noise between  
10:00 p.m. and 7:00 a.m.**

**CNEL - Ldn = 0.25214307**

## Summary

File Name on Meter	LxT_Data.106
File Name on PC	SLM_0004435_LxT_Data_106.00.ldbin
Serial Number	0004435
Model	SoundTrack LxT®
Firmware Version	2.404
User	C. Sanchez
Location	LT-7 Matson Terminal
Job Description	Port of Oakland
Note	

## Measurement

Description	
Start	2021-05-15 00:00:00
Stop	2021-05-26 10:04:14
Duration	274:04:14.188
Run Time	274:04:14.188
Pause	00:00:00.0
Pre Calibration	2021-05-14 09:05:04
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	143.4 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	99.7	96.7	<b>101.7</b> dB
Under Range Limit	<b>38.0</b>	37.6	44.3 dB
Noise Floor	28.9	28.4	35.2 dB

## Results

LASeq	65.2		
LASE	125.1		
EAS	363.302 mPa²h		
EAS8	10.605 mPa²h		
EAS40	53.023 mPa²h		
LZSpeak (max)	2021-05-15 01:57:04	120.8 dB	
LASmax	2021-05-16 11:23:38	99.9 dB	
LASmin	2021-05-16 04:14:10	42.2 dB	
SEA	135.4 dB		
LAS > 85.0 dB (Exceedance Counts / Duration)	454	1312.9 s	
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LZSpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LZSpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LZSpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LCSeq	75.7 dB		
LASeq	65.2 dB		
LCSeq - LASeq	10.5 dB		
LAleq	67.7 dB		
LAeq	65.2 dB		
LAleq - LAeq	2.5 dB		

Record #	Record Type	Date	Time	LASeq	LASmax	LASmin	OVLd	Marker
1	Calibration Change	2021-05-14	9:05:04					
2	Run	2021-05-15	0:00:00					
3		2021-05-15	0:00:00	71.1	92.1	52.5	No	
4		2021-05-15	1:00:00	70.5	91.8	50.3	No	
5		2021-05-15	2:00:00	69.6	91.4	48.4	No	
6		2021-05-15	3:00:00	70.5	93.4	50.6	No	
7		2021-05-15	4:00:00	65.7	88.7	47.4	No	
8		2021-05-15	5:00:00	58.6	75.1	46.6	No	
9		2021-05-15	6:00:00	56.9	70.9	46.2	No	
10		2021-05-15	7:00:00	60.9	69.5	50.7	No	
11		2021-05-15	8:00:00	59.8	70.3	48.7	No	
12		2021-05-15	9:00:00	61.3	72.8	50.0	No	
13		2021-05-15	10:00:00	60.9	69.6	49.1	No	
14		2021-05-15	11:00:00	60.4	74.3	47.3	No	
15		2021-05-15	12:00:00	61.3	73.9	52.4	No	
16		2021-05-15	13:00:00	58.9	69.9	46.2	No	
17		2021-05-15	14:00:00	60.9	72.6	52.3	No	
18		2021-05-15	15:00:00	62.8	79.0	51.1	No	
19		2021-05-15	16:00:00	62.8	83.3	46.4	No	
20		2021-05-15	17:00:00	61.9	81.1	45.4	No	
21		2021-05-15	18:00:00	60.7	84.1	44.6	No	
22		2021-05-15	19:00:00	63.7	81.9	49.3	No	
23		2021-05-15	20:00:00	60.4	80.2	47.2	No	
24		2021-05-15	21:00:00	60.6	78.8	47.5	No	
25		2021-05-15	22:00:00	58.3	77.9	45.5	No	
26		2021-05-15	23:00:00	61.6	79.4	45.7	No	
27		2021-05-16	0:00:00	63.1	83.3	51.4	No	
28		2021-05-16	1:00:00	62.7	80.9	51.0	No	
29		2021-05-16	2:00:00	62.7	83.5	44.2	No	
30		2021-05-16	3:00:00	62.4	79.5	49.4	No	
31		2021-05-16	4:00:00	58.9	81.4	42.2	No	
32		2021-05-16	5:00:00	59.2	78.9	42.5	No	
33		2021-05-16	6:00:00	60.4	88.1	42.5	No	
34		2021-05-16	7:00:00	65.6	89.4	44.2	No	
35		2021-05-16	8:00:00	57.0	90.4	46.7	No	
36		2021-05-16	9:00:00	55.2	73.6	46.3	No	
37		2021-05-16	10:00:00	53.6	68.5	47.1	No	
38		2021-05-16	11:00:00	67.2	99.9	48.0	No	
39		2021-05-16	12:00:00	53.5	66.1	46.2	No	
40		2021-05-16	13:00:00	57.9	68.7	49.0	No	
41		2021-05-16	14:00:00	58.8	67.1	53.6	No	
42		2021-05-16	15:00:00	57.5	67.3	53.6	No	
43		2021-05-16	16:00:00	60.5	71.9	54.7	No	
44		2021-05-16	17:00:00	60.9	71.4	52.3	No	
45		2021-05-16	18:00:00	59.9	70.8	53.0	No	
46		2021-05-16	19:00:00	61.6	72.0	55.4	No	
47		2021-05-16	20:00:00	60.3	70.8	54.9	No	

48	2021-05-16 21:00:00	60.9	71.9	55.5	No
49	2021-05-16 22:00:00	58.6	79.1	53.6	No
50	2021-05-16 23:00:00	61.0	76.4	53.5	No
51	2021-05-17 0:00:00	60.9	71.4	55.5	No
52	2021-05-17 1:00:00	62.3	74.4	55.4	No
53	2021-05-17 2:00:00	60.3	72.3	54.1	No
54	2021-05-17 3:00:00	61.2	73.2	55.2	No
55	2021-05-17 4:00:00	62.0	73.2	54.5	No
56	2021-05-17 5:00:00	61.5	73.4	54.8	No
57	2021-05-17 6:00:00	60.6	76.4	54.6	No
58	2021-05-17 7:00:00	67.3	80.3	58.6	No
59	2021-05-17 8:00:00	65.9	80.3	57.3	No
60	2021-05-17 9:00:00	64.3	81.1	58.7	No
61	2021-05-17 10:00:00	61.9	73.3	57.4	No
62	2021-05-17 11:00:00	64.2	84.5	57.8	No
63	2021-05-17 12:00:00	65.5	78.6	58.4	No
64	2021-05-17 13:00:00	63.3	73.9	57.8	No
65	2021-05-17 14:00:00	65.0	79.3	58.7	No
66	2021-05-17 15:00:00	64.1	76.8	59.4	No
67	2021-05-17 16:00:00	65.5	79.3	58.3	No
68	2021-05-17 17:00:00	63.6	77.3	57.1	No
69	2021-05-17 18:00:00	61.5	70.7	57.4	No
70	2021-05-17 19:00:00	62.8	72.1	58.2	No
71	2021-05-17 20:00:00	62.4	72.6	58.0	No
72	2021-05-17 21:00:00	63.3	73.0	58.2	No
73	2021-05-17 22:00:00	60.8	73.9	56.3	No
74	2021-05-17 23:00:00	62.9	76.0	58.1	No
75	2021-05-18 0:00:00	63.6	74.1	59.2	No
76	2021-05-18 1:00:00	62.9	76.1	57.5	No
77	2021-05-18 2:00:00	63.5	76.4	57.6	No
78	2021-05-18 3:00:00	64.0	74.9	59.1	No
79	2021-05-18 4:00:00	63.2	75.2	58.0	No
80	2021-05-18 5:00:00	63.6	75.3	58.7	No
81	2021-05-18 6:00:00	63.7	78.0	58.6	No
82	2021-05-18 7:00:00	63.5	74.7	57.0	No
83	2021-05-18 8:00:00	66.5	82.4	58.1	No
84	2021-05-18 9:00:00	67.7	81.3	58.4	No
85	2021-05-18 10:00:00	64.9	77.5	56.0	No
86	2021-05-18 11:00:00	65.2	78.5	56.2	No
87	2021-05-18 12:00:00	65.9	80.5	59.8	No
88	2021-05-18 13:00:00	64.6	77.5	57.9	No
89	2021-05-18 14:00:00	67.4	87.6	59.2	No
90	2021-05-18 15:00:00	68.3	84.5	57.4	No
91	2021-05-18 16:00:00	69.9	90.8	57.9	No
92	2021-05-18 17:00:00	63.2	78.5	53.1	No
93	2021-05-18 18:00:00	60.4	74.7	53.0	No
94	2021-05-18 19:00:00	63.0	75.5	54.3	No
95	2021-05-18 20:00:00	63.4	76.5	54.1	No

96	2021-05-18 21:00:00	64.4	77.7	57.1	No
97	2021-05-18 22:00:00	61.3	77.3	54.5	No
98	2021-05-18 23:00:00	63.5	76.7	53.9	No
99	2021-05-19 0:00:00	64.5	78.9	56.8	No
100	2021-05-19 1:00:00	63.3	78.4	55.5	No
101	2021-05-19 2:00:00	61.9	76.2	54.1	No
102	2021-05-19 3:00:00	64.1	76.4	57.3	No
103	2021-05-19 4:00:00	62.9	78.0	54.7	No
104	2021-05-19 5:00:00	61.9	84.5	49.5	No
105	2021-05-19 6:00:00	61.7	81.3	51.0	No
106	2021-05-19 7:00:00	64.6	77.7	53.5	No
107	2021-05-19 8:00:00	66.4	79.2	54.4	No
108	2021-05-19 9:00:00	67.6	81.2	56.5	No
109	2021-05-19 10:00:00	63.1	74.8	52.3	No
110	2021-05-19 11:00:00	62.7	75.4	52.4	No
111	2021-05-19 12:00:00	62.8	75.9	52.6	No
112	2021-05-19 13:00:00	62.8	77.3	52.6	No
113	2021-05-19 14:00:00	67.3	86.2	55.1	No
114	2021-05-19 15:00:00	62.6	74.1	55.6	No
115	2021-05-19 16:00:00	62.0	74.7	52.8	No
116	2021-05-19 17:00:00	61.3	75.5	51.2	No
117	2021-05-19 18:00:00	60.1	73.6	51.6	No
118	2021-05-19 19:00:00	62.5	73.5	54.4	No
119	2021-05-19 20:00:00	59.0	74.9	51.8	No
120	2021-05-19 21:00:00	60.6	68.9	54.9	No
121	2021-05-19 22:00:00	58.1	70.9	52.3	No
122	2021-05-19 23:00:00	59.6	70.2	53.9	No
123	2021-05-20 0:00:00	59.6	69.3	54.0	No
124	2021-05-20 1:00:00	59.3	73.1	48.9	No
125	2021-05-20 2:00:00	58.9	71.9	49.0	No
126	2021-05-20 3:00:00	60.4	77.8	53.4	No
127	2021-05-20 4:00:00	59.9	70.6	50.8	No
128	2021-05-20 5:00:00	62.3	71.1	57.2	No
129	2021-05-20 6:00:00	61.0	70.9	57.1	No
130	2021-05-20 7:00:00	63.7	74.4	59.0	No
131	2021-05-20 8:00:00	63.5	76.0	58.1	No
132	2021-05-20 9:00:00	63.5	75.3	56.6	No
133	2021-05-20 10:00:00	60.6	71.2	53.1	No
134	2021-05-20 11:00:00	66.1	84.5	50.9	No
135	2021-05-20 12:00:00	58.9	68.7	50.1	No
136	2021-05-20 13:00:00	61.8	76.5	51.1	No
137	2021-05-20 14:00:00	58.7	72.1	51.6	No
138	2021-05-20 15:00:00	54.9	67.9	48.9	No
139	2021-05-20 16:00:00	52.2	71.1	44.8	No
140	2021-05-20 17:00:00	53.4	62.9	45.7	No
141	2021-05-20 18:00:00	58.0	89.1	47.1	No
142	2021-05-20 19:00:00	57.2	71.8	45.5	No
143	2021-05-20 20:00:00	58.9	72.1	55.5	No

144	2021-05-20	21:00:00	57.1	66.8	54.1	No
145	2021-05-20	22:00:00	57.1	64.1	54.9	No
146	2021-05-20	23:00:00	59.4	70.9	54.9	No
147	2021-05-21	0:00:00	60.0	68.5	54.3	No
148	2021-05-21	1:00:00	60.3	70.2	55.9	No
149	2021-05-21	2:00:00	61.0	70.0	54.8	No
150	2021-05-21	3:00:00	63.0	70.9	58.8	No
151	2021-05-21	4:00:00	62.7	74.6	58.0	No
152	2021-05-21	5:00:00	62.9	71.6	58.9	No
153	2021-05-21	6:00:00	62.5	73.0	59.5	No
154	2021-05-21	7:00:00	65.9	79.2	59.9	No
155	2021-05-21	8:00:00	63.0	76.6	57.3	No
156	2021-05-21	9:00:00	64.7	82.3	57.5	No
157	2021-05-21	10:00:00	62.0	73.9	57.1	No
158	2021-05-21	11:00:00	61.7	74.4	57.4	No
159	2021-05-21	12:00:00	64.1	79.2	58.3	No
160	2021-05-21	13:00:00	63.9	77.5	58.6	No
161	2021-05-21	14:00:00	64.8	80.1	58.4	No
162	2021-05-21	15:00:00	65.7	85.4	56.1	No
163	2021-05-21	16:00:00	60.1	76.2	54.6	No
164	2021-05-21	17:00:00	59.4	77.2	53.8	No
165	2021-05-21	18:00:00	60.6	81.7	53.3	No
166	2021-05-21	19:00:00	63.8	82.4	53.4	No
167	2021-05-21	20:00:00	63.0	81.7	52.6	No
168	2021-05-21	21:00:00	63.9	82.3	54.6	No
169	2021-05-21	22:00:00	62.0	81.9	54.5	No
170	2021-05-21	23:00:00	65.3	84.6	55.7	No
171	2021-05-22	0:00:00	66.0	84.3	58.4	No
172	2021-05-22	1:00:00	65.7	86.4	56.7	No
173	2021-05-22	2:00:00	63.2	81.4	56.8	No
174	2021-05-22	3:00:00	65.4	82.4	57.0	No
175	2021-05-22	4:00:00	65.2	79.2	56.5	No
176	2021-05-22	5:00:00	65.6	78.5	56.8	No
177	2021-05-22	6:00:00	61.3	80.3	55.6	No
178	2021-05-22	7:00:00	67.6	78.8	59.4	No
179	2021-05-22	8:00:00	65.2	80.3	55.3	No
180	2021-05-22	9:00:00	67.1	78.4	57.2	No
181	2021-05-22	10:00:00	64.3	77.3	54.8	No
182	2021-05-22	11:00:00	60.5	76.8	55.2	No
183	2021-05-22	12:00:00	64.8	78.0	55.6	No
184	2021-05-22	13:00:00	64.5	79.7	56.4	No
185	2021-05-22	14:00:00	66.2	77.9	58.9	No
186	2021-05-22	15:00:00	67.2	90.4	56.6	No
187	2021-05-22	16:00:00	67.1	88.9	55.1	No
188	2021-05-22	17:00:00	67.3	88.2	54.1	No
189	2021-05-22	18:00:00	65.2	88.3	52.9	No
190	2021-05-22	19:00:00	68.0	86.5	56.3	No
191	2021-05-22	20:00:00	66.6	86.9	53.9	No

192	2021-05-22	21:00:00	68.9	87.6	57.5	No
193	2021-05-22	22:00:00	66.9	89.3	55.8	No
194	2021-05-22	23:00:00	70.1	90.0	55.9	No
195	2021-05-23	0:00:00	70.9	90.5	55.7	No
196	2021-05-23	1:00:00	72.9	94.9	55.3	No
197	2021-05-23	2:00:00	72.9	95.5	55.1	No
198	2021-05-23	3:00:00	74.4	95.8	56.5	No
199	2021-05-23	4:00:00	76.1	96.6	55.5	No
200	2021-05-23	5:00:00	76.3	98.0	55.6	No
201	2021-05-23	6:00:00	72.4	99.0	55.4	No
202	2021-05-23	7:00:00	71.4	97.8	54.8	No
203	2021-05-23	8:00:00	63.4	78.3	54.7	No
204	2021-05-23	9:00:00	66.7	87.0	55.2	No
205	2021-05-23	10:00:00	64.2	78.5	54.7	No
206	2021-05-23	11:00:00	64.2	78.5	54.9	No
207	2021-05-23	12:00:00	66.7	80.1	57.1	No
208	2021-05-23	13:00:00	65.8	78.3	54.8	No
209	2021-05-23	14:00:00	67.0	79.0	59.0	No
210	2021-05-23	15:00:00	66.9	83.1	59.4	No
211	2021-05-23	16:00:00	64.6	79.0	53.7	No
212	2021-05-23	17:00:00	63.4	78.8	53.9	No
213	2021-05-23	18:00:00	64.1	83.9	54.1	No
214	2021-05-23	19:00:00	67.6	87.0	57.0	No
215	2021-05-23	20:00:00	67.2	87.3	55.2	No
216	2021-05-23	21:00:00	68.6	87.8	58.1	No
217	2021-05-23	22:00:00	64.1	87.1	54.8	No
218	2021-05-23	23:00:00	68.2	89.1	54.9	No
219	2021-05-24	0:00:00	69.1	87.2	58.1	No
220	2021-05-24	1:00:00	68.6	87.7	58.2	No
221	2021-05-24	2:00:00	67.3	86.8	55.2	No
222	2021-05-24	3:00:00	68.5	88.2	57.8	No
223	2021-05-24	4:00:00	65.4	86.0	55.4	No
224	2021-05-24	5:00:00	61.2	72.3	55.7	No
225	2021-05-24	6:00:00	60.8	79.8	55.6	No
226	2021-05-24	7:00:00	63.2	72.5	57.1	No
227	2021-05-24	8:00:00	64.8	79.6	57.9	No
228	2021-05-24	9:00:00	62.0	78.0	57.0	No
229	2021-05-24	10:00:00	60.9	71.8	57.1	No
230	2021-05-24	11:00:00	62.2	75.9	56.8	No
231	2021-05-24	12:00:00	62.3	73.1	57.3	No
232	2021-05-24	13:00:00	62.4	79.1	56.0	No
233	2021-05-24	14:00:00	66.0	86.5	58.1	No
234	2021-05-24	15:00:00	62.2	70.5	57.8	No
235	2021-05-24	16:00:00	63.7	81.6	55.4	No
236	2021-05-24	17:00:00	61.8	78.1	55.1	No
237	2021-05-24	18:00:00	58.3	67.3	55.4	No
238	2021-05-24	19:00:00	58.9	75.4	50.4	No
239	2021-05-24	20:00:00	59.6	78.4	49.9	No

240	2021-05-24 21:00:00	64.0	78.8	51.6	No
241	2021-05-24 22:00:00	61.1	78.6	50.4	No
242	2021-05-24 23:00:00	64.8	82.0	52.5	No
243	2021-05-25 0:00:00	65.5	80.6	52.0	No
244	2021-05-25 1:00:00	65.6	79.7	52.1	No
245	2021-05-25 2:00:00	62.7	81.3	50.0	No
246	2021-05-25 3:00:00	64.2	78.6	50.5	No
247	2021-05-25 4:00:00	62.4	75.9	49.5	No
248	2021-05-25 5:00:00	61.7	76.0	46.4	No
249	2021-05-25 6:00:00	57.4	78.9	46.7	No
250	2021-05-25 7:00:00	64.6	78.8	50.9	No
251	2021-05-25 8:00:00	64.2	78.8	49.1	No
252	2021-05-25 9:00:00	64.8	78.4	55.9	No
253	2021-05-25 10:00:00	62.3	82.1	48.8	No
254	2021-05-25 11:00:00	67.1	87.3	49.0	No
255	2021-05-25 12:00:00	71.2	90.9	50.9	No
256	2021-05-25 13:00:00	69.4	91.9	48.8	No
257	2021-05-25 14:00:00	70.0	90.9	52.6	No
258	2021-05-25 15:00:00	69.1	88.8	52.8	No
259	2021-05-25 16:00:00	64.5	87.8	49.2	No
260	2021-05-25 17:00:00	63.3	84.5	45.7	No
261	2021-05-25 18:00:00	58.8	78.3	45.8	No
262	2021-05-25 19:00:00	62.3	81.1	48.8	No
263	2021-05-25 20:00:00	66.5	89.8	46.9	No
264	2021-05-25 21:00:00	70.4	92.0	48.8	No
265	2021-05-25 22:00:00	65.8	90.9	47.0	No
266	2021-05-25 23:00:00	68.0	88.6	46.4	No
267	2021-05-26 0:00:00	69.7	90.8	46.7	No
268	2021-05-26 1:00:00	67.6	88.8	54.3	No
269	2021-05-26 2:00:00	62.9	84.7	47.6	No
270	2021-05-26 3:00:00	63.2	82.6	53.4	No
271	2021-05-26 4:00:00	62.4	81.4	48.9	No
272	2021-05-26 5:00:00	63.2	81.9	51.0	No
273	2021-05-26 6:00:00	57.7	77.2	52.2	No
274	2021-05-26 7:00:00	60.8	76.0	53.9	No
275	2021-05-26 8:00:00	59.6	77.6	52.0	No
276	2021-05-26 9:00:00	57.9	83.0	51.2	No
277	2021-05-26 10:00:00	63.5	81.9	50.4	No
278	Stop 2021-05-26 10:04:14				

**Summary**

**File Name on Meter** 831\_Data.050  
**File Name on PC** SLM\_0002783\_831\_Data\_050.00.ldbin  
**Serial Number** 0002783  
**Model** Model 831  
**Firmware Version** 2.403  
**User** C. Sanchez  
**Location** ST-1 South west corner of Berth 67  
**Job Description** POAK Tuning Basin  
**Note**

**Measurement**

**Description**  
**Start** 2021-06-04 18:00:19  
**Stop** 2021-06-04 19:40:33  
**Duration** 01:40:14.5  
**Run Time** 01:40:14.5  
**Pause** 00:00:00.0  
  
**Pre Calibration** 2021-06-04 17:51:33  
**Post Calibration** None  
**Calibration Deviation** ---

**Overall Settings**

**RMS Weight** A Weighting  
**Peak Weight** Z Weighting  
**Detector** Slow  
**Preamp** PRM831  
**Microphone Correction** Off  
**Integration Method** Linear  
**OBA Range** Low  
**OBA Bandwidth** 1/1 and 1/3  
**OBA Freq. Weighting** Z Weighting  
**OBA Max Spectrum** Bin Max  
**Gain** 0.0 dB  
**Overload** 144.5 dB  
  

	<b>A</b>	<b>C</b>	<b>Z</b>
<b>Under Range Peak</b>	77.0	74.0	79.0 dB
<b>Under Range Limit</b>	26.6	27.1	33.0 dB
<b>Noise Floor</b>	17.5	17.9	23.4 dB

**Results**

**LAeq** 62.7  
**LAE** 100.5  
**EA** 1.238 mPa<sup>2</sup>h  
**LZ<sub>peak</sub> (max)** 2021-06-04 18:00:53 114.2 dB  
**LAS<sub>max</sub>** 2021-06-04 19:39:58 75.0 dB  
**LAS<sub>min</sub>** 2021-06-04 18:00:42 54.9 dB  
**SEA** -99.9 dB  
  
**LAS > 65.0 dB (Exceedance Counts / Duration)** 40 1147.4 s  
**LAS > 85.0 dB (Exceedance Counts / Duration)** 0 0.0 s  
**LZ<sub>peak</sub> > 135.0 dB (Exceedance Counts / Duration)** 0 0.0 s  
**LZ<sub>peak</sub> > 137.0 dB (Exceedance Counts / Duration)** 0 0.0 s  
**LZ<sub>peak</sub> > 140.0 dB (Exceedance Counts / Duration)** 0 0.0 s

<b>Community Noise</b>	<b>Ldn</b>	<b>LDay 07:00-22:00</b>	<b>LNight 22:00-07:00</b>	<b>Lden</b>	<b>LDay 07:00-19:00</b>	<b>LEvening 19:00-22:00</b>
	62.7	62.7	-99.9	64.4	59.7	65.0
<b>LCeq</b>	77.4 dB					
<b>LAeq</b>	62.7 dB					
<b>LCeq - LAeq</b>	14.7 dB					
<b>LAleq</b>	64.5 dB					
<b>LAeq</b>	62.7 dB					
<b>LAleq - LAeq</b>	1.9 dB					

Record #	Record Type	Date	Time	LAeq	LASmax	LASmin	OVLD	Marker
1	Calibration Change	2021-06-04	17:51:33					
2	Run	2021-06-04	18:00:19					
3		2021-06-04	18:00:19	58.3	63.4	54.9	No	
4		2021-06-04	18:01:19	58.3	61.5	56.5	No	
5		2021-06-04	18:02:19	58.9	65.3	56.2	No	
6		2021-06-04	18:03:19	61.3	69.0	57.2	No	
7		2021-06-04	18:04:19	61.0	68.5	57.0	No	
8		2021-06-04	18:05:19	58.2	62.8	56.6	No	
9		2021-06-04	18:06:19	60.8	65.2	57.2	No	
10		2021-06-04	18:07:19	62.1	69.3	56.4	No	
11		2021-06-04	18:08:19	63.7	70.3	56.4	No	
12		2021-06-04	18:09:19	58.0	60.0	56.1	No	
13		2021-06-04	18:10:19	58.5	62.3	56.5	No	
14		2021-06-04	18:11:19	58.3	65.2	56.0	No	
15		2021-06-04	18:12:19	58.7	65.0	55.6	No	
16		2021-06-04	18:13:19	58.2	63.8	56.0	No	
17		2021-06-04	18:14:19	58.3	63.0	56.8	No	
18		2021-06-04	18:15:19	59.0	66.2	56.0	No	
19		2021-06-04	18:16:19	58.3	63.1	56.5	No	
20		2021-06-04	18:17:19	57.9	63.7	56.4	No	
21		2021-06-04	18:18:19	57.9	60.3	56.1	No	
22		2021-06-04	18:19:19	59.1	67.5	56.8	No	
23		2021-06-04	18:20:19	59.1	64.6	56.5	No	
24		2021-06-04	18:21:19	59.3	62.1	57.2	No	
25		2021-06-04	18:22:19	59.4	65.1	56.8	No	
26		2021-06-04	18:23:19	59.3	61.5	57.2	No	
27		2021-06-04	18:24:19	60.0	65.5	57.4	No	
28		2021-06-04	18:25:19	59.6	66.2	57.1	No	
29		2021-06-04	18:26:19	58.8	63.1	57.1	No	
30		2021-06-04	18:27:19	58.1	61.3	55.9	No	
31		2021-06-04	18:28:19	58.9	61.5	56.6	No	
32		2021-06-04	18:29:19	59.2	61.5	57.2	No	
33		2021-06-04	18:30:19	59.0	62.2	56.5	No	
34		2021-06-04	18:31:19	63.1	69.7	57.8	No	
35		2021-06-04	18:32:19	59.4	62.7	56.4	No	
36		2021-06-04	18:33:19	58.6	63.2	56.6	No	
37		2021-06-04	18:34:19	59.3	62.9	57.0	No	
38		2021-06-04	18:35:19	59.7	62.4	57.4	No	
39		2021-06-04	18:36:19	58.8	62.0	57.2	No	
40		2021-06-04	18:37:19	59.8	64.2	57.6	No	
41		2021-06-04	18:38:19	58.9	61.0	57.1	No	
42		2021-06-04	18:39:19	59.4	64.6	56.4	No	
43		2021-06-04	18:40:19	59.4	65.0	57.4	No	
44		2021-06-04	18:41:19	59.8	64.2	57.1	No	
45		2021-06-04	18:42:19	59.4	61.8	57.6	No	
46		2021-06-04	18:43:19	59.7	63.9	57.3	No	
47		2021-06-04	18:44:19	59.3	63.7	56.2	No	
48		2021-06-04	18:45:19	59.5	63.4	57.6	No	
49		2021-06-04	18:46:19	61.8	67.3	58.7	No	
50		2021-06-04	18:47:19	59.9	63.6	57.9	No	

51	2021-06-04 18:48:19	60.0	66.6	57.7	No	
52	2021-06-04 18:49:19	60.4	62.9	58.9	No	
53	2021-06-04 18:50:19	59.7	63.8	57.5	No	
54	2021-06-04 18:51:19	59.7	62.7	57.7	No	
55	2021-06-04 18:52:19	60.4	63.5	58.7	No	
56	2021-06-04 18:53:19	60.0	63.8	57.8	No	
57	2021-06-04 18:54:19	59.7	62.2	57.7	No	
58	2021-06-04 18:55:19	59.5	62.3	57.0	No	
59	2021-06-04 18:56:19	60.9	62.9	58.5	No	
60	2021-06-04 18:57:19	59.9	64.1	57.7	No	
61	2021-06-04 18:58:19	60.4	64.9	58.4	No	
62	2021-06-04 18:59:19	61.2	67.2	57.8	No	
63	2021-06-04 19:00:19	60.6	65.0	58.5	No	
64	2021-06-04 19:01:19	60.3	63.8	58.4	No	
65	2021-06-04 19:02:19	60.5	64.6	58.9	No	
66	2021-06-04 19:03:19	61.4	63.8	59.6	No	
67	2021-06-04 19:04:19	65.0	68.7	60.3	No	Remove LOG
68	2021-06-04 19:05:19	61.9	68.0	59.7	No	1535317
69	2021-06-04 19:06:19	62.1	66.0	60.4	No	1620041
70	2021-06-04 19:07:19	63.8	67.2	61.3	No	2400817
71	2021-06-04 19:08:19	63.3	66.5	60.8	No	2130301
72	2021-06-04 19:09:19	63.9	66.4	61.9	No	2452477
73	2021-06-04 19:10:19	69.3	70.6	63.8	No	8574543
74	2021-06-04 19:11:19	69.0	70.4	67.9	No	7875316
75	2021-06-04 19:12:19	69.5	70.9	68.4	No	8997503
76	2021-06-04 19:13:19	68.4	71.2	65.6	No	6969201
77	2021-06-04 19:14:19	68.6	70.7	67.1	No	7190300
78	2021-06-04 19:15:19	68.4	71.3	66.4	No	6955094
79	2021-06-04 19:16:19	66.8	68.1	65.0	No	4814232
80	2021-06-04 19:17:19	64.5	66.0	63.3	No	2845221
81	2021-06-04 19:18:19	64.4	66.1	63.0	No	2754013
82	2021-06-04 19:19:19	65.8	68.9	64.5	No	3834750
83	2021-06-04 19:20:19	66.2	69.1	62.9	No	4152628
84	2021-06-04 19:21:19	69.2	72.8	66.1	No	8386312
85	2021-06-04 19:22:19	67.8	68.9	66.4	No	6019702
86	2021-06-04 19:23:19	66.7	68.7	63.0	No	4645677
87	2021-06-04 19:24:19	64.2	66.8	62.4	No	2611837
88	2021-06-04 19:25:19	64.8	66.6	62.9	No	3016713
89	2021-06-04 19:26:19	63.4	65.2	61.7	No	2163685
90	2021-06-04 19:27:19	63.6	65.1	61.8	No	2307927
91	2021-06-04 19:28:19	61.3	64.6	60.2	No	1342988
92	2021-06-04 19:29:19	62.2	68.5	59.3	No	1642041
93	2021-06-04 19:30:19	60.1	62.0	58.7	No	
94	2021-06-04 19:31:19	61.0	64.4	58.7	No	Leq event = 66.5014
95	2021-06-04 19:32:19	66.6	73.6	59.7	No	
96	2021-06-04 19:33:19	59.3	64.8	56.8	No	
97	2021-06-04 19:34:19	59.2	62.9	57.3	No	
98	2021-06-04 19:35:19	59.7	62.6	57.4	No	
99	2021-06-04 19:36:19	59.3	64.2	57.3	No	
100	2021-06-04 19:37:19	59.5	63.5	57.4	No	
101	2021-06-04 19:38:19	58.6	63.6	56.7	No	

102		2021-06-04 19:39:19	63.1	75.0	56.7	No
103		2021-06-04 19:40:19	59.0	60.6	57.4	No
104	Stop	2021-06-04 19:40:33				

## Summary

File Name on Meter	LxT_Data.077
File Name on PC	SLM_0004337_LxT_Data_077.00.ldbin
Serial Number	0004337
Model	SoundTrack LxT®
Firmware Version	2.404
User	C. Sanchez
Location	Middle Harbor Park
Job Description	POAK OHTB
Note	

## Measurement

Description	
Start	2021-08-20 13:25:27
Stop	2021-08-20 13:45:28
Duration	00:20:01.2
Run Time	00:20:01.2
Pause	00:00:00.0
Pre Calibration	2021-08-20 13:18:50
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Linear		
Overload	143.2 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	99.5	96.5	<b>101.5</b> dB
Under Range Limit	<b>37.9</b>	37.4	44.2 dB
Noise Floor	28.7	28.3	35.1 dB

## Results

LAeq	58.8		
LAE	89.6		
EA	101.632 $\mu\text{Pa}^2\text{h}$		
EA8	2.437 $\text{mPa}^2\text{h}$		
EA40	12.184 $\text{mPa}^2\text{h}$		
LZpeak (max)	2021-08-20 13:43:59	113.5	dB
LASmax	2021-08-20 13:36:41	69.6	dB
LASmin	2021-08-20 13:29:33	55.5	dB
SEA	-99.9	dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0	s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0	s
LZpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0	s
LZpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0	s
LZpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0	s
LCeq	80.6	dB	
LAeq	58.8	dB	
LCeq - LAeq	21.8	dB	
LAeq	61.0	dB	
LAeq	58.8	dB	
LAeq - LAeq	2.1	dB	

Record #	Record Type	Date	Time	LAeq	LASmax	LASmin	OVLD	Marker
1	Run	2021-08-20	13:25:27					
2		2021-08-20	13:25:27	58.1	63.4	56.0	No	
3		2021-08-20	13:26:27	57.5	62.8	56.0	No	
4		2021-08-20	13:27:27	59.3	66.8	56.8	No	
5		2021-08-20	13:28:27	58.1	60.8	55.8	No	
6		2021-08-20	13:29:27	57.7	60.5	55.5	No	
7		2021-08-20	13:30:27	58.8	61.7	56.4	No	
8		2021-08-20	13:31:27	58.5	62.0	56.2	No	
9		2021-08-20	13:32:27	58.5	61.7	56.4	No	
10		2021-08-20	13:33:27	59.3	62.8	56.7	No	
11		2021-08-20	13:34:27	59.8	63.6	57.5	No	
12		2021-08-20	13:35:27	59.7	66.7	57.5	No	
13		2021-08-20	13:36:27	59.5	69.6	56.7	No	
14		2021-08-20	13:37:27	58.2	61.5	55.9	No	
15		2021-08-20	13:38:27	58.2	61.6	56.6	No	
16		2021-08-20	13:39:27	58.3	62.8	56.5	No	
17		2021-08-20	13:40:27	59.0	65.5	56.3	No	
18		2021-08-20	13:41:27	58.3	63.4	55.9	No	
19		2021-08-20	13:42:27	58.6	62.0	56.2	No	
20		2021-08-20	13:43:27	58.8	62.4	55.6	No	
21		2021-08-20	13:44:27	60.6	65.3	58.2	No	
22		2021-08-20	13:45:27	61.6	61.6	60.9	No	
23	Stop	2021-08-20	13:45:28					

## Summary

File Name on Meter	LxT_Data.079
File Name on PC	SLM_0004337_LxT_Data_079.00.ldbin
Serial Number	0004337
Model	SoundTrack LxT®
Firmware Version	2.404
User	C. Sanchez
Location	ST-3 Tra Pac
Job Description	POAK OHTB
Note	

## Measurement

### Description

Start	2021-08-20 15:23:35
Stop	2021-08-20 16:02:18
Duration	00:38:43.6
Run Time	00:38:43.6
Pause	00:00:00.0

Pre Calibration	2021-08-20 15:23:07
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Linear		
Overload	143.1 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	99.4	96.4	<b>101.4</b> dB
Under Range Limit	<b>37.8</b>	37.3	44.1 dB
Noise Floor	28.6	28.2	35.0 dB

## Results

LAeq	66.1		
LAE	99.7		
EA	1.042 mPa <sup>2</sup> h		
EA8	12.915 mPa <sup>2</sup> h		
EA40	64.577 mPa <sup>2</sup> h		
LZpeak (max)	2021-08-20 15:59:01	118.9	dB
LASmax	2021-08-20 15:33:33	85.9	dB
LASmin	2021-08-20 16:00:44	60.6	dB
SEA	-99.9	dB	

LAS > 85.0 dB (Exceedance Counts / Duration)	1	0.9	s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0	s
LZpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0	s
LZpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0	s
LZpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0	s

LCeq	83.3	dB
LAeq	66.1	dB
LCeq - LAeq	17.3	dB
LAeq	68.7	dB
LAeq	66.1	dB
LAeq - LAeq	2.6	dB

Record #	Record Type	Date	Time	LAeq	LASmax	LASmin	OVLD	Marker
1	Run	2021-08-20	15:23:35					
2		2021-08-20	15:23:35	65.2	69.3	61.5	No	
3		2021-08-20	15:24:35	62.7	66.1	60.7	No	
4		2021-08-20	15:25:35	64.6	71.2	62.0	No	
5		2021-08-20	15:26:35	65.0	66.6	63.8	No	
6		2021-08-20	15:27:35	66.2	68.6	64.4	No	
7		2021-08-20	15:28:35	66.6	70.4	63.4	No	
8		2021-08-20	15:29:35	64.1	66.5	61.5	No	
9		2021-08-20	15:30:35	63.1	65.6	61.4	No	
10		2021-08-20	15:31:35	62.6	64.4	61.3	No	
11		2021-08-20	15:32:35	70.6	85.9	61.5	No	
12		2021-08-20	15:33:35	63.1	79.6	60.8	No	
13		2021-08-20	15:34:35	64.2	70.3	60.9	No	
14		2021-08-20	15:35:35	63.8	66.0	60.9	No	
15		2021-08-20	15:36:35	64.7	66.7	62.8	No	
16		2021-08-20	15:37:35	70.4	77.8	63.5	No	
17		2021-08-20	15:38:35	65.9	71.2	63.7	No	
18		2021-08-20	15:39:35	65.3	71.5	63.5	No	
19		2021-08-20	15:40:35	67.1	72.7	64.7	No	
20		2021-08-20	15:41:35	66.4	73.5	62.3	No	
21		2021-08-20	15:42:35	66.5	68.9	64.3	No	
22		2021-08-20	15:43:35	65.1	66.4	63.9	No	
23		2021-08-20	15:44:35	64.7	66.9	62.7	No	
24		2021-08-20	15:45:35	67.0	73.0	64.3	No	
25		2021-08-20	15:46:35	67.4	74.2	64.4	No	
26		2021-08-20	15:47:35	65.9	68.5	64.4	No	
27		2021-08-20	15:48:35	65.1	66.0	64.4	No	
28		2021-08-20	15:49:35	65.5	66.9	64.2	No	
29		2021-08-20	15:50:35	65.6	69.9	64.0	No	
30		2021-08-20	15:51:35	70.5	75.1	66.5	No	
31		2021-08-20	15:52:35	65.4	67.1	63.7	No	
32		2021-08-20	15:53:35	66.3	69.6	64.6	No	
33		2021-08-20	15:54:35	68.8	75.8	64.6	No	
34		2021-08-20	15:55:35	67.7	74.3	63.8	No	
35		2021-08-20	15:56:35	64.9	68.6	62.7	No	
36		2021-08-20	15:57:35	63.0	68.3	61.8	No	
37		2021-08-20	15:58:35	62.7	64.0	61.6	No	
38		2021-08-20	15:59:35	62.4	66.6	60.9	No	
39		2021-08-20	16:00:35	62.1	63.7	60.6	No	
40		2021-08-20	16:01:35	65.4	68.0	61.5	No	
41	Stop	2021-08-20	16:02:18					

## Summary

File Name on Meter	831_Data.090
File Name on PC	SLM_0002783_831_Data_090.00.ldbin
Serial Number	0002783
Model	Model 831
Firmware Version	2.403
User	C. Sanchez
Location	Treasure Island
Job Description	POAK Turning Basin
Note	Tug Boat Noise Monitoring Solana at 300 meters

## Measurement

Description	
Start	2023-08-11 11:18:11
Stop	2023-08-11 11:21:47
Duration	00:03:36.0
Run Time	00:03:36.0
Pause	00:00:00.0
Pre Calibration	2023-08-11 10:12:44
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamp	PRM831		
Microphone Correction	Off		
Integration Method	Linear		
OBA Range	Low		
OBA Bandwidth	1/1 and 1/3		
OBA Freq. Weighting	Z Weighting		
OBA Max Spectrum	Bin Max		
Gain	0.0 dB		
Overload	143.2 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	75.6	72.6	<b>77.6</b> dB
Under Range Limit	<b>26.1</b>	26.3	31.6 dB
Noise Floor	16.9	17.2	22.3 dB

## Results

LAeq	54.9
------	------

LAE 78.3  
 EA 7.443  $\mu\text{Pa}^2\text{h}$   
 LZpeak (max) 2023-08-11 11:20:58 104.3 dB  
 LASmax 2023-08-11 11:18:26 61.7 dB  
 LASmin 2023-08-11 11:21:46 50.0 dB  
 SEA -99.94 dB

LAS > 65.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LZpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LZpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LZpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

Community Noise Ldn LDay 07:00-22:00 LNight 22:00-07:00 Lden LDay 07:00-19:00 LEvening 19:00-22:00  
 54.9 54.9 -99.94 54.9 54.9 -99.94

LCeq 69.3 dB  
 LAeq 54.9 dB  
 LCeq - LAeq 14.3 dB  
 LA1eq 58.3 dB  
 LAeq 54.9 dB  
 LA1eq - LAeq 3.3 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	54.9		69.3		85.4	
LS(max)	61.7	2023/08/11 11:18:26	77.7	2023/08/11 11:21:00	94.4	2023/08/11 11:19:43
LF(max)	67.2	2023/08/11 11:18:26	83.6	2023/08/11 11:21:00	99.3	2023/08/11 11:19:43
Li(max)	71.1	2023/08/11 11:18:26	86.8	2023/08/11 11:20:59	102.2	2023/08/11 11:19:43
LS(min)	50.0	2023/08/11 11:21:46	63.6	2023/08/11 11:18:52	75.5	2023/08/11 11:19:58
LF(min)	46.4	2023/08/11 11:21:43	61.8	2023/08/11 11:18:37	69.0	2023/08/11 11:21:39
Li(min)	50.0	2023/08/11 11:21:36	64.2	2023/08/11 11:18:56	78.3	2023/08/11 11:19:57
LPeak(max)	90.4	2023/08/11 11:18:26	91.4	2023/08/11 11:20:59	104.3	2023/08/11 11:20:58

# Overloads 0  
 Overload Duration 0.0 s  
 # OBA Overloads 0  
 OBA Overload Duration 0.0 s

**Statistics**

LAI5.00 57.5 dB  
 LAI10.00 56.7 dB  
 LAI33.30 55.4 dB  
 LAI50.00 54.6 dB

LAI66.60  
LAI90.00

53.7 dB  
52.3 dB

Record #	Record Type	Date	Time	LAeq	LApeak	LASmax	LASmin	LCeq-LAeq	OVLD	Marker
1	Run	2023-08-11	11:18:11							
2		2023-08-11	11:18:11	55.5	90.4	61.7	52.8	11.3	No	
3		2023-08-11	11:19:11	54.7	85.0	57.4	51.8	15.0	No	
4		2023-08-11	11:20:11	54.8	86.6	58.5	51.6	16.4	No	
5		2023-08-11	11:21:11	54.5	86.9	59.3	50.0	12.8	No	
6	Stop	2023-08-11	11:21:47							