

APPENDIX E

Ambient Noise Monitoring Sheets

Summary

Filename 831_Data.075
Serial Number 3171
Model Model 831
Firmware Version 2.310
User
Location
Job Description
Note
Measurement Description
Start 2017/03/09 8:35:23
Stop 2017/03/09 8:50:55
Duration 0:15:31.6
Run Time 0:15:31.6
Pause 0:00:00.0

Pre Calibration 2015/12/10 6:55:39
Post Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamp PRM831
Microphone Correction Off
Integration Method Linear
OBA Range Low
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum Bin Max
Gain 20.0 dB
Overload 123.9 dB

	A	C	Z
Under Range Peak	56.4	53.4	58.4 dB
Under Range Limit	24.7	25.1	32.2 dB
Noise Floor	15.5	15.9	20.8 dB

Results

L_{Aeq} 62.8 dB
L_{AE} 92.5 dB
EA 199.188 $\mu\text{Pa}^2\text{h}$
L_{Apeak} (max) 2017/03/09 8:45:55 101.1 dB
L_{ASmax} 2017/03/09 8:45:55 77.5 dB
L_{ASmin} 2017/03/09 8:48:41 51.0 dB
SEA -99.9 dB

LAS > 65.0 dB (Exceedence Counts / Duration)	34	188.9 s
LAS > 85.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedence 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	LNight 22:00-07:00
	62.8	62.8	-99.9	62.8	62.8	-99.9	-99.9
LCeq	69.3 dB						
LAeq	62.8 dB						
LCeq - LAeq	6.4 dB						
LAeq	67.1 dB						
LAeq	62.8 dB						
LAeq - LAeq	4.2 dB						
# Overloads	0						
Overload Duration	0.0 s						
# OBA Overloads	54						
OBA Overload Duration	181.3 s						

Statistics	
LAS1.67	71.9 dB
LAS8.33	68.3 dB
LAS25.00	61.5 dB
LAS33.30	58.6 dB
LAS50.00	56.3 dB
LAS90.00	53.6 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100
PRM831	2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4
Direct	2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5
Direct	2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5
Direct	2015/12/08 6:55:30	-26.5	62.7	48.6	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9
Direct	2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	41.3	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2
Direct	2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9
Direct	2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3
Direct	2015/12/02 6:56:51	-26.6	54.3	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5
Direct	2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1
Direct	2015/12/01 6:52:05	-26.5	44.0	43.8	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9
Direct	2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1
PRM831	2017/03/09 7:33:19	-26.5	68.3	61.2	72.6	65.1	72.3	59.8	59.2	58.7	61.7	69.1	63.9	67.6	60.4
PRM831	2017/03/02 2:25:00	-26.5	70.1	78.8	63.7	66.2	65.1	67.4	61.6	64.9	63.7	61.7	58.3	55.2	62.9
PRM831	2017/03/02 2:24:44	-26.5	72.5	74.2	80.5	76.8	66.4	76.9	73.0	74.2	71.5	67.9	65.1	63.7	60.7
PRM831	2017/02/26 7:27:13	-26.4	39.3	47.2	45.1	47.5	46.6	49.2	42.7	43.7	48.1	46.4	41.4	41.0	54.9
PRM831	2017/02/26 7:26:46	-26.4	52.4	48.0	56.7	69.3	62.9	53.9	51.1	47.5	41.8	50.5	46.5	43.4	44.5
PRM831	2017/02/14 13:09:26	-26.5	52.8	58.5	65.4	70.6	76.9	64.3	55.1	56.6	59.7	61.4	66.4	63.8	56.8

PRM831	2017/02/14 13:09:05	-26.5	76.5	80.9	88.4	87.6	106.1	85.5	76.7	78.1	79.8	84.0	86.3	80.6	76.4
PRM831	2017/02/13 9:04:58	-46.5	84.0	76.9	82.2	85.9	83.1	75.7	71.1	72.3	73.1	75.4	83.9	88.1	77.1
PRM831	2017/02/13 9:04:10	-46.5	76.2	77.5	85.2	87.0	83.6	86.7	69.7	73.9	73.1	76.5	86.1	84.1	79.2
PRM831	2017/02/13 9:03:51	-46.5	58.7	59.7	59.8	72.3	73.6	65.3	61.1	61.5	67.4	62.9	68.2	62.1	65.1
PRM831	2016/12/29 20:01:16	-26.5	93.3	107.2	73.7	56.3	47.6	44.6	44.8	46.6	39.0	32.9	36.0	31.0	29.9
Unknown	2015/08/25 6:57:04	-26.4	40.8	33.8	36.9	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9
Unknown	2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4

125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	
27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1		
27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0		
41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0		
42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0		
32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0		
26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0		
28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9		
28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0		
34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0		
35.5	28.1	27.9	27.4	26.2	34.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4		
27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0		
59.6	55.0	51.1	52.6	54.5	51.6	50.3	45.9	36.5	114.0	49.0	28.3	64.7	29.5	59.0	33.1	33.9	34.0	35.5	36.9	37.8	38.9		
57.2	51.4	55.8	59.0	57.4	54.3	53.7	49.7	33.3	114.0	49.0	28.0	65.0	30.4	59.0	32.7	33.5	34.4	35.4	36.8	37.8	38.9		
56.4	50.1	51.7	47.0	52.0	63.4	59.5	47.5	31.0	113.9	48.8	28.6	64.8	30.6	58.8	33.2	33.4	34.3	35.5	36.6	37.9	39.2		
45.9	42.5	58.2	55.9	57.1	58.7	56.3	46.8	34.6	114.0	49.0	28.9	65.1	30.5	59.1	33.5	33.8	34.4	35.5	36.7	37.7	39.2		
48.6	47.2	57.3	54.0	55.0	55.6	51.1	47.9	40.2	114.1	49.2	28.6	65.1	30.1	59.2	33.1	33.8	34.4	35.8	37.0	37.9	39.3		
60.2	49.7	51.9	52.1	46.7	43.2	47.0	40.9	37.1	114.0	49.2	29.3	64.6	30.2	59.5	33.0	33.6	34.4	35.8	36.6	37.9	38.9		

79.8	76.6	75.3	77.5	68.3	67.8	67.0	60.9	61.3	134.0	69.2	48.7	84.6	50.7	79.5	52.9	53.7	54.4	55.3	57.0	57.6	58.9
79.6	71.1	70.2	67.5	64.6	61.2	62.1	56.2	51.9	114.0	52.4	50.2	53.2	49.7	58.5	51.5	52.7	54.4	55.1	56.3	57.7	58.8
74.6	70.9	70.7	71.2	65.3	68.8	64.8	57.5	55.1	113.9	51.8	48.9	53.1	50.1	58.5	52.1	53.0	54.0	55.2	56.6	57.5	58.9
62.2	53.0	55.6	47.9	48.7	50.6	52.3	49.3	45.6	93.9	34.5	30.3	33.0	29.3	38.6	32.0	33.3	34.9	35.7	36.5	37.6	38.6
25.8	28.1	29.3	27.5	25.6	25.2	25.5	24.9	30.6	114.0	48.9	29.2	64.6	30.4	59.2	33.5	34.2	34.3	35.8	36.9	37.9	39.1
47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1
24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3

1/1 Octave

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
Overall 1/1 Spectra	-11.9	11.8	26.8	39.6	45.3	49.5	54.9	60.1	55.5	45.8	36.0	23.0
Max 1/1 Spectra	-3.6	23.3	41.0	53.6	59.2	64.5	70.1	76.8	69.8	63.7	53.7	42.1
Min 1/1 Spectra	-21.8	0.9	16.8	23.6	36.3	38.8	41.5	47.4	43.3	30.9	12.5	3.2

1/3 Octave

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
Overall 1/3 Spectra	-29.0	-21.5	-12.6	-2.3	4.1	10.8	15.0	19.6	25.4	29.4	35.1	37.2	38.7	40.7	41.8	43.7	44.9	45.4	47.0	49.4	52.3	55.7	56.2	54.1	52.6	50.7	47.3	43.3	40.3	37.6	33.8	30.5	26.1	21.3	16.8
Max 1/3 Spectra	-16.8	-10.9	-3.7	10.3	14.7	23.2	27.4	34.2	40.4	45.4	52.4	53.4	50.3	52.8	58.5	59.5	61.3	58.0	59.5	62.4	69.1	70.2	70.9	69.6	68.1	65.4	64.4	60.3	58.7	56.8	51.8	48.2	44.4	42.0	36.8
Min 1/3 Spectra	-30.1	-29.2	-23.9	-14.0	-19.1	-2.4	5.6	9.2	5.7	20.1	8.9	27.6	29.7	31.4	32.6	33.3	33.7	34.1	34.7	35.4	37.9	41.1	43.3	42.4	40.6	38.5	33.9	29.1	23.0	17.9	10.0	6.2	3.3	0.7	-2.4

1/1 OBA Ref. Spectra

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/3 OBA Ref. Spectra

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/1 OBA Under Range

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
A Weighting	-5.2	-2.2	0.8	4.0	7.3	10.8	15.2	17.3	17.8	19.6	20.2	18.5
Noise Floor	-14.3	-11.4	-8.3	-5.2	-1.8	1.6	4.7	6.9	8.7	10.5	11.0	9.3

1/3 OBA Under Range

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
A Weighting	-11.0	-9.8	-9.1	-8.1	-7.1	-6.1	-5.0	-4.0	-3.0	-2.0	-0.8	0.3	1.5	2.4	3.4	5.3	5.7	6.8	7.9	8.9	9.5	10.6	11.1	11.6	12.2	13.1	13.7	14.4	14.8	15.3	15.5	15.5	15.2	14.6	13.7
Noise Floor	-20.1	-19.2	-18.2	-17.2	-16.2	-15.2	-14.2	-13.2	-12.2	-11.1	-10.0	-8.8	-7.6	-6.7	-5.7	-4.4	-3.4	-2.3	-1.2	-0.3	0.4	1.4	2.0	2.5	3.1	3.9	4.6	5.2	5.7	6.2	6.4	6.3	6.0	5.5	4.6

20000

8.3

25.7

-6.4

20000

0.0

0.0

0.0

0.0

20000

12.4

3.3

Record #	Date	Time	Record Type	Cause #	TH Record
1	2017/03/09	08:35:23	Run	Key	1 1
2	2017/03/09	08:50:55	Stop	Key	1 18

Statistics

Level (dB)	Count	Percent
Under	0	0.00
51.0	53	0.06
51.1	120	0.13
51.2	132	0.14
51.3	35	0.04
51.4	31	0.03
51.5	115	0.12
51.6	192	0.21
51.7	304	0.33
51.8	394	0.42
51.9	483	0.52
52.0	503	0.54
52.1	487	0.52
52.2	335	0.36
52.3	380	0.41
52.4	305	0.33
52.5	171	0.18
52.6	156	0.17
52.7	194	0.21
52.8	181	0.19
52.9	244	0.26
53.0	304	0.33
53.1	594	0.64
53.2	554	0.59
53.3	577	0.62
53.4	923	0.99
53.5	828	0.89
53.6	951	1.02
53.7	1139	1.22
53.8	1197	1.28
53.9	952	1.02
54.0	1285	1.38
54.1	1443	1.55
54.2	1417	1.52
54.3	1284	1.38
54.4	1471	1.58
54.5	1250	1.34
54.6	1169	1.25
54.7	1026	1.10
54.8	1211	1.30
54.9	1386	1.49
55.0	1626	1.75
55.1	1883	2.02
55.2	2027	2.18
55.3	1921	2.06

55.4	1835	1.97
55.5	1593	1.71
55.6	1735	1.86
55.7	1683	1.81
55.8	1081	1.16
55.9	944	1.01
56.0	1222	1.31
56.1	1144	1.23
56.2	1192	1.28
56.3	990	1.06
56.4	897	0.96
56.5	743	0.80
56.6	827	0.89
56.7	902	0.97
56.8	896	0.96
56.9	937	1.01
57.0	743	0.80
57.1	832	0.89
57.2	772	0.83
57.3	742	0.80
57.4	1022	1.10
57.5	879	0.94
57.6	637	0.68
57.7	724	0.78
57.8	625	0.67
57.9	515	0.55
58.0	461	0.49
58.1	437	0.47
58.2	414	0.44
58.3	465	0.50
58.4	538	0.58
58.5	445	0.48
58.6	364	0.39
58.7	311	0.33
58.8	282	0.30
58.9	315	0.34
59.0	313	0.34
59.1	311	0.33
59.2	332	0.36
59.3	362	0.39
59.4	312	0.33
59.5	297	0.32
59.6	284	0.30
59.7	277	0.30
59.8	276	0.30
59.9	268	0.29
60.0	276	0.30

60.1	250	0.27
60.2	220	0.24
60.3	244	0.26
60.4	232	0.25
60.5	214	0.23
60.6	225	0.24
60.7	210	0.23
60.8	225	0.24
60.9	224	0.24
61.0	220	0.24
61.1	227	0.24
61.2	199	0.21
61.3	207	0.22
61.4	206	0.22
61.5	197	0.21
61.6	192	0.21
61.7	198	0.21
61.8	208	0.22
61.9	209	0.22
62.0	203	0.22
62.1	226	0.24
62.2	221	0.24
62.3	226	0.24
62.4	241	0.26
62.5	225	0.24
62.6	210	0.23
62.7	193	0.21
62.8	190	0.20
62.9	191	0.21
63.0	182	0.20
63.1	187	0.20
63.2	210	0.23
63.3	221	0.24
63.4	194	0.21
63.5	196	0.21
63.6	246	0.26
63.7	255	0.27
63.8	211	0.23
63.9	205	0.22
64.0	219	0.24
64.1	218	0.23
64.2	204	0.22
64.3	184	0.20
64.4	172	0.18
64.5	160	0.17
64.6	175	0.19
64.7	173	0.19

64.8	191	0.21
64.9	212	0.23
65.0	218	0.23
65.1	219	0.24
65.2	232	0.25
65.3	243	0.26
65.4	274	0.29
65.5	261	0.28
65.6	277	0.30
65.7	275	0.30
65.8	299	0.32
65.9	288	0.31
66.0	246	0.26
66.1	239	0.26
66.2	252	0.27
66.3	232	0.25
66.4	230	0.25
66.5	240	0.26
66.6	261	0.28
66.7	330	0.35
66.8	247	0.27
66.9	289	0.31
67.0	282	0.30
67.1	242	0.26
67.2	209	0.22
67.3	231	0.25
67.4	303	0.33
67.5	322	0.35
67.6	334	0.36
67.7	236	0.25
67.8	195	0.21
67.9	180	0.19
68.0	246	0.26
68.1	232	0.25
68.2	226	0.24
68.3	230	0.25
68.4	272	0.29
68.5	325	0.35
68.6	307	0.33
68.7	206	0.22
68.8	200	0.21
68.9	196	0.21
69.0	257	0.28
69.1	217	0.23
69.2	222	0.24
69.3	215	0.23
69.4	183	0.20

69.5	136	0.15
69.6	182	0.20
69.7	160	0.17
69.8	172	0.18
69.9	206	0.22
70.0	238	0.26
70.1	165	0.18
70.2	188	0.20
70.3	200	0.21
70.4	172	0.18
70.5	154	0.17
70.6	114	0.12
70.7	156	0.17
70.8	149	0.16
70.9	217	0.23
71.0	132	0.14
71.1	129	0.14
71.2	133	0.14
71.3	94	0.10
71.4	92	0.10
71.5	49	0.05
71.6	48	0.05
71.7	80	0.09
71.8	69	0.07
71.9	64	0.07
72.0	57	0.06
72.1	68	0.07
72.2	72	0.08
72.3	56	0.06
72.4	52	0.06
72.5	55	0.06
72.6	39	0.04
72.7	50	0.05
72.8	57	0.06
72.9	78	0.08
73.0	44	0.05
73.1	27	0.03
73.2	39	0.04
73.3	64	0.07
73.4	62	0.07
73.5	50	0.05
73.6	41	0.04
73.7	75	0.08
73.8	43	0.05
73.9	49	0.05
74.0	59	0.06
74.1	34	0.04

74.2	10	0.01
74.3	11	0.01
74.4	11	0.01
74.5	11	0.01
74.6	11	0.01
74.7	14	0.02
74.8	15	0.02
74.9	14	0.02
75.0	15	0.02
75.1	18	0.02
75.2	17	0.02
75.3	27	0.03
75.4	29	0.03
75.5	7	0.01
75.6	5	0.01
75.7	5	0.01
75.8	14	0.02
75.9	13	0.01
76.0	13	0.01
76.1	2	0.00
76.2	3	0.00
76.3	3	0.00
76.4	2	0.00
76.5	3	0.00
76.6	12	0.01
76.7	8	0.01
76.8	12	0.01
76.9	4	0.00
77.0	3	0.00
77.1	3	0.00
77.2	4	0.00
77.3	7	0.01
77.4	5	0.01
77.5	6	0.01
Over	0	0.00

Total Count 93160

Marker

Record #	Date	Time	Duration	Run Time	Pause	LAeq	LAE	LASmin	LASmin Time	LASmax	LASmax Time	LApeak (max)	LApeak (max) Time	SPL 1 Count	Duration	SPL 2 Count	Duration	Peak 1 Count
1	2017/03/09	08:35:23	00:09:36.3	00:09:36.3	00:00:00.0	61.5	89.1	51.5	08:36:15	73.6	08:35:24	94.2	08:39:36	20	95.3	0	0.0	0
2	2017/03/09	08:45:00	00:05:55.3	00:05:55.3	00:00:00.0	64.4	89.9	51.0	08:48:41	77.5	08:45:55	101.1	08:45:55	14	93.6	0	0.0	0

Duration	Peak 2 Count	Duration	Peak 3 Count	Duration	LAS1.67	LAS8.33	LAS25.00	LAS33.30	LAS50.00	LAS90.00	SEA	LCeq	LAeq	LCeq - LAeq	LAeq	LAeq	LAeq-LAeq	# Overloads	Duration	# OBA Overloads	Duration
0.0	0	0.0	0	0.0	70.2	67.2	60.0	57.9	56.3	54.0	-99.9	68.6	61.5	7.1	65.7	61.5	4.2	0	0.0	35	103.3
0.0	0	0.0	0	0.0	73.7	70.0	64.1	60.3	56.5	53.1	-99.9	70.2	64.4	5.9	68.6	64.4	4.3	0	0.0	19	78.0

1/1 LAeq 8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmax 8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmin 8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000
-12.3	11.0	26.6	38.9	44.8	48.7	53.5	58.8	54.1	44.0	34.7	23.1	-4.4	19.8	41.0	52.7	53.5	60.0	66.3	76.8	65.7	56.4	49.6	42.1	-21.8	0.9	16.8	23.6	38.3	38.8	41.5	48.1	44.1	30.9	13.9
-11.4	12.9	27.1	40.6	46.1	50.5	56.4	61.6	57.0	47.8	37.4	22.9	-3.6	23.3	39.3	53.6	59.2	64.5	70.1	74.4	69.8	63.7	53.7	38.0	-20.0	4.6	18.6	31.9	36.3	39.8	42.2	47.4	43.3	31.3	12.5

16000	1/3 LAeq	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
3.3	-29.2	-21.6	-13.0	-3.1	3.5	10.0	14.5	19.4	25.2	29.0	35.0	36.1	38.8	40.3	40.7	42.8	44.0	44.9	46.3	48.1	50.8	54.3	55.0	52.7	51.4	49.4	45.5	41.6	38.2	35.5	32.5	29.4	25.5	21.6	16.5	7.5	
3.2	-28.6	-21.3	-12.0	-1.2	4.8	11.9	15.7	19.9	25.7	30.0	35.3	38.5	38.6	41.3	43.1	44.9	46.1	46.2	47.9	50.9	54.1	57.3	57.6	55.6	54.0	52.3	49.1	45.1	42.4	39.7	35.4	31.8	26.9	20.9	17.2	9.2	

1/3 LASmax	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
-21.1	-10.9	-4.7	6.2	11.3	18.7	22.9	34.2	40.4	44.2	52.4	48.7	50.3	49.1	50.3	53.1	54.3	57.2	59.5	60.9	63.5	68.1	68.6	69.6	68.1	60.9	59.2	53.6	51.8	49.3	47.5	46.1	44.4	42.0	36.0	24.9	
-16.8	-13.4	-3.7	10.3	14.7	23.2	27.4	28.0	38.7	45.4	52.2	53.4	49.2	52.8	58.5	59.5	61.3	58.0	59.4	62.4	69.1	70.2	70.9	68.1	65.9	65.4	64.4	60.3	58.7	56.8	51.8	48.2	42.4	36.2	36.8	25.7	

1/3 LASmin	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
	-30.1	-29.2	-23.9	-14.0	-19.1	-2.4	5.6	9.2	5.7	20.1	8.9	27.6	31.3	33.5	33.2	33.3	33.7	34.1	35.1	35.4	37.9	41.1	44.3	43.2	41.5	39.4	34.5	29.1	23.0	18.6	11.9	7.0	3.7	1.0	-2.3	-6.4
	-30.1	-29.2	-20.7	-10.5	-4.0	2.6	6.7	11.2	16.5	21.7	24.3	29.8	29.7	31.4	32.6	33.6	35.1	34.5	34.7	36.9	39.0	41.9	43.3	42.4	40.6	38.5	33.9	29.3	25.0	17.9	10.0	6.2	3.3	0.7	-2.4	-5.7

Summary

Filename 831_Data.072
 Serial Number 3171
 Model Model 831
 Firmware Version 2.310

User
 Location
 Job Description

Note

Measurement Description
 Start 2017/03/09 7:36:53
 Stop 2017/03/09 7:52:09
 Duration 0:15:16.3
 Run Time 0:15:16.3
 Pause 0:00:00.0

Pre Calibration 2015/12/10 6:55:39
 Post Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
 Peak Weight A Weighting
 Detector Slow
 Preamp PRM831
 Microphone Correction Off
 Integration Method Linear
 OBA Range Low
 OBA Bandwidth 1/1 and 1/3
 OBA Freq. Weighting A Weighting
 OBA Max Spectrum Bin Max
 Gain 20.0 dB
 Overload 123.9 dB

	A	C	Z
Under Range Peak	56.4	53.4	58.4 dB
Under Range Limit	24.7	25.1	32.2 dB
Noise Floor	15.5	15.9	20.8 dB

Results

L_{Aeq} 74.6 dB
 L_{AE} 104.2 dB
 EA 2.947 mPa²h
 L_{Apeak} (max) 2017/03/09 7:47:02 101.5 dB
 L_{ASmax} 2017/03/09 7:47:03 90.0 dB
 L_{ASmin} 2017/03/09 7:42:48 59.4 dB
 SEA -99.9 dB

LAS > 65.0 dB (Exceedence Counts / Duration)	13	577.0 s
LAS > 85.0 dB (Exceedence Counts / Duration)	2	15.3 s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedence 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	LNight 22:00-07:00
	74.6	74.6	-99.9	74.6	74.6	-99.9	-99.9
LCeq	78.8 dB						
LAeq	74.6 dB						
LCeq - LAeq	4.2 dB						
LAeq	75.7 dB						
LAeq	74.6 dB						
LAeq - LAeq	1.1 dB						
# Overloads	0						
Overload Duration	0.0 s						
# OBA Overloads	54						
OBA Overload Duration	650.3 s						

Statistics	
LAS1.67	84.6 dB
LAS8.33	79.2 dB
LAS25.00	73.9 dB
LAS33.30	70.7 dB
LAS50.00	65.1 dB
LAS90.00	62.0 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100
PRM831	2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4
Direct	2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5
Direct	2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5
Direct	2015/12/08 6:55:30	-26.5	62.7	48.6	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9
Direct	2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	41.3	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2
Direct	2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9
Direct	2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3
Direct	2015/12/02 6:56:51	-26.6	54.3	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5
Direct	2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1
Direct	2015/12/01 6:52:05	-26.5	44.0	43.8	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9
Direct	2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1
PRM831	2017/03/09 7:33:19	-26.5	68.3	61.2	72.6	65.1	72.3	59.8	59.2	58.7	61.7	69.1	63.9	67.6	60.4
PRM831	2017/03/02 2:25:00	-26.5	70.1	78.8	63.7	66.2	65.1	67.4	61.6	64.9	63.7	61.7	58.3	55.2	62.9
PRM831	2017/03/02 2:24:44	-26.5	72.5	74.2	80.5	76.8	66.4	76.9	73.0	74.2	71.5	67.9	65.1	63.7	60.7
PRM831	2017/02/26 7:27:13	-26.4	39.3	47.2	45.1	47.5	46.6	49.2	42.7	43.7	48.1	46.4	41.4	41.0	54.9
PRM831	2017/02/26 7:26:46	-26.4	52.4	48.0	56.7	69.3	62.9	53.9	51.1	47.5	41.8	50.5	46.5	43.4	44.5
PRM831	2017/02/14 13:09:26	-26.5	52.8	58.5	65.4	70.6	76.9	64.3	55.1	56.6	59.7	61.4	66.4	63.8	56.8

PRM831	2017/02/14 13:09:05	-26.5	76.5	80.9	88.4	87.6	106.1	85.5	76.7	78.1	79.8	84.0	86.3	80.6	76.4
PRM831	2017/02/13 9:04:58	-46.5	84.0	76.9	82.2	85.9	83.1	75.7	71.1	72.3	73.1	75.4	83.9	88.1	77.1
PRM831	2017/02/13 9:04:10	-46.5	76.2	77.5	85.2	87.0	83.6	86.7	69.7	73.9	73.1	76.5	86.1	84.1	79.2
PRM831	2017/02/13 9:03:51	-46.5	58.7	59.7	59.8	72.3	73.6	65.3	61.1	61.5	67.4	62.9	68.2	62.1	65.1
PRM831	2016/12/29 20:01:16	-26.5	93.3	107.2	73.7	56.3	47.6	44.6	44.8	46.6	39.0	32.9	36.0	31.0	29.9
Unknown	2015/08/25 6:57:04	-26.4	40.8	33.8	36.9	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9
Unknown	2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4

125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	
27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1		
27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0		
41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0		
42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0		
32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0		
26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0		
28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9		
28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0		
34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0		
35.5	28.1	27.9	27.4	26.2	34.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4		
27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0		
59.6	55.0	51.1	52.6	54.5	51.6	50.3	45.9	36.5	114.0	49.0	28.3	64.7	29.5	59.0	33.1	33.9	34.0	35.5	36.9	37.8	38.9		
57.2	51.4	55.8	59.0	57.4	54.3	53.7	49.7	33.3	114.0	49.0	28.0	65.0	30.4	59.0	32.7	33.5	34.4	35.4	36.8	37.8	38.9		
56.4	50.1	51.7	47.0	52.0	63.4	59.5	47.5	31.0	113.9	48.8	28.6	64.8	30.6	58.8	33.2	33.4	34.3	35.5	36.6	37.9	39.2		
45.9	42.5	58.2	55.9	57.1	58.7	56.3	46.8	34.6	114.0	49.0	28.9	65.1	30.5	59.1	33.5	33.8	34.4	35.5	36.7	37.7	39.2		
48.6	47.2	57.3	54.0	55.0	55.6	51.1	47.9	40.2	114.1	49.2	28.6	65.1	30.1	59.2	33.1	33.8	34.4	35.8	37.0	37.9	39.3		
60.2	49.7	51.9	52.1	46.7	43.2	47.0	40.9	37.1	114.0	49.2	29.3	64.6	30.2	59.5	33.0	33.6	34.4	35.8	36.6	37.9	38.9		

79.8	76.6	75.3	77.5	68.3	67.8	67.0	60.9	61.3	134.0	69.2	48.7	84.6	50.7	79.5	52.9	53.7	54.4	55.3	57.0	57.6	58.9
79.6	71.1	70.2	67.5	64.6	61.2	62.1	56.2	51.9	114.0	52.4	50.2	53.2	49.7	58.5	51.5	52.7	54.4	55.1	56.3	57.7	58.8
74.6	70.9	70.7	71.2	65.3	68.8	64.8	57.5	55.1	113.9	51.8	48.9	53.1	50.1	58.5	52.1	53.0	54.0	55.2	56.6	57.5	58.9
62.2	53.0	55.6	47.9	48.7	50.6	52.3	49.3	45.6	93.9	34.5	30.3	33.0	29.3	38.6	32.0	33.3	34.9	35.7	36.5	37.6	38.6
25.8	28.1	29.3	27.5	25.6	25.2	25.5	24.9	30.6	114.0	48.9	29.2	64.6	30.4	59.2	33.5	34.2	34.3	35.8	36.9	37.9	39.1
47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1
24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3

Summary

Filename 831_Data.074
Serial Number 3171
Model Model 831
Firmware Version 2.310
User
Location
Job Description
Note
Measurement Description
Start 2017/03/09 8:16:52
Stop 2017/03/09 8:32:00
Duration 0:15:08.5
Run Time 0:15:08.5
Pause 0:00:00.0

Pre Calibration 2015/12/10 6:55:39
Post Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamp PRM831
Microphone Correction Off
Integration Method Linear
OBA Range Low
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum Bin Max
Gain 20.0 dB
Overload 123.9 dB

	A	C	Z
Under Range Peak	56.4	53.4	58.4 dB
Under Range Limit	24.7	25.1	32.2 dB
Noise Floor	15.5	15.9	20.8 dB

Results

L_{Aeq} 63.8 dB
L_{AE} 93.4 dB
E_A 242.819 $\mu\text{Pa}^2\text{h}$
L_{Apeak} (max) 2017/03/09 8:31:59 90.0 dB
L_{ASmax} 2017/03/09 8:31:53 72.3 dB
L_{ASmin} 2017/03/09 8:28:18 58.8 dB
SEA -99.9 dB

LAS > 65.0 dB (Exceedence Counts / Duration)	18	265.1 s
LAS > 85.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedence 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	LNight 22:00-07:00
	63.8	63.8	-99.9	63.8	63.8	-99.9	-99.9
LCeq	71.5 dB						
LAeq	63.8 dB						
LCeq - LAeq	7.7 dB						
LAeq	65.2 dB						
LAeq	63.8 dB						
LAeq - LAeq	1.4 dB						
# Overloads	0						
Overload Duration	0.0 s						
# OBA Overloads	48						
OBA Overload Duration	194.1 s						

Statistics	
LAS1.67	68.3 dB
LAS8.33	65.6 dB
LAS25.00	64.4 dB
LAS33.30	64.0 dB
LAS50.00	63.3 dB
LAS90.00	61.3 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100
PRM831	2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4
Direct	2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5
Direct	2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5
Direct	2015/12/08 6:55:30	-26.5	62.7	48.6	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9
Direct	2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	41.3	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2
Direct	2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9
Direct	2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3
Direct	2015/12/02 6:56:51	-26.6	54.3	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5
Direct	2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1
Direct	2015/12/01 6:52:05	-26.5	44.0	43.8	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9
Direct	2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1
PRM831	2017/03/09 7:33:19	-26.5	68.3	61.2	72.6	65.1	72.3	59.8	59.2	58.7	61.7	69.1	63.9	67.6	60.4
PRM831	2017/03/02 2:25:00	-26.5	70.1	78.8	63.7	66.2	65.1	67.4	61.6	64.9	63.7	61.7	58.3	55.2	62.9
PRM831	2017/03/02 2:24:44	-26.5	72.5	74.2	80.5	76.8	66.4	76.9	73.0	74.2	71.5	67.9	65.1	63.7	60.7
PRM831	2017/02/26 7:27:13	-26.4	39.3	47.2	45.1	47.5	46.6	49.2	42.7	43.7	48.1	46.4	41.4	41.0	54.9
PRM831	2017/02/26 7:26:46	-26.4	52.4	48.0	56.7	69.3	62.9	53.9	51.1	47.5	41.8	50.5	46.5	43.4	44.5
PRM831	2017/02/14 13:09:26	-26.5	52.8	58.5	65.4	70.6	76.9	64.3	55.1	56.6	59.7	61.4	66.4	63.8	56.8

PRM831	2017/02/14 13:09:05	-26.5	76.5	80.9	88.4	87.6	106.1	85.5	76.7	78.1	79.8	84.0	86.3	80.6	76.4
PRM831	2017/02/13 9:04:58	-46.5	84.0	76.9	82.2	85.9	83.1	75.7	71.1	72.3	73.1	75.4	83.9	88.1	77.1
PRM831	2017/02/13 9:04:10	-46.5	76.2	77.5	85.2	87.0	83.6	86.7	69.7	73.9	73.1	76.5	86.1	84.1	79.2
PRM831	2017/02/13 9:03:51	-46.5	58.7	59.7	59.8	72.3	73.6	65.3	61.1	61.5	67.4	62.9	68.2	62.1	65.1
PRM831	2016/12/29 20:01:16	-26.5	93.3	107.2	73.7	56.3	47.6	44.6	44.8	46.6	39.0	32.9	36.0	31.0	29.9
Unknown	2015/08/25 6:57:04	-26.4	40.8	33.8	36.9	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9
Unknown	2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4

125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1	
27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0	
41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0	
42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0	
32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0	
26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0	
28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9	
28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0	
34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0	
35.5	28.1	27.9	27.4	26.2	34.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4	
27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0	
59.6	55.0	51.1	52.6	54.5	51.6	50.3	45.9	36.5	114.0	49.0	28.3	64.7	29.5	59.0	33.1	33.9	34.0	35.5	36.9	37.8	38.9	
57.2	51.4	55.8	59.0	57.4	54.3	53.7	49.7	33.3	114.0	49.0	28.0	65.0	30.4	59.0	32.7	33.5	34.4	35.4	36.8	37.8	38.9	
56.4	50.1	51.7	47.0	52.0	63.4	59.5	47.5	31.0	113.9	48.8	28.6	64.8	30.6	58.8	33.2	33.4	34.3	35.5	36.6	37.9	39.2	
45.9	42.5	58.2	55.9	57.1	58.7	56.3	46.8	34.6	114.0	49.0	28.9	65.1	30.5	59.1	33.5	33.8	34.4	35.5	36.7	37.7	39.2	
48.6	47.2	57.3	54.0	55.0	55.6	51.1	47.9	40.2	114.1	49.2	28.6	65.1	30.1	59.2	33.1	33.8	34.4	35.8	37.0	37.9	39.3	
60.2	49.7	51.9	52.1	46.7	43.2	47.0	40.9	37.1	114.0	49.2	29.3	64.6	30.2	59.5	33.0	33.6	34.4	35.8	36.6	37.9	38.9	

79.8	76.6	75.3	77.5	68.3	67.8	67.0	60.9	61.3	134.0	69.2	48.7	84.6	50.7	79.5	52.9	53.7	54.4	55.3	57.0	57.6	58.9
79.6	71.1	70.2	67.5	64.6	61.2	62.1	56.2	51.9	114.0	52.4	50.2	53.2	49.7	58.5	51.5	52.7	54.4	55.1	56.3	57.7	58.8
74.6	70.9	70.7	71.2	65.3	68.8	64.8	57.5	55.1	113.9	51.8	48.9	53.1	50.1	58.5	52.1	53.0	54.0	55.2	56.6	57.5	58.9
62.2	53.0	55.6	47.9	48.7	50.6	52.3	49.3	45.6	93.9	34.5	30.3	33.0	29.3	38.6	32.0	33.3	34.9	35.7	36.5	37.6	38.6
25.8	28.1	29.3	27.5	25.6	25.2	25.5	24.9	30.6	114.0	48.9	29.2	64.6	30.4	59.2	33.5	34.2	34.3	35.8	36.9	37.9	39.1
47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1
24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3

1/1 Octave

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
Overall 1/1 Spectra	-9.3	17.6	27.9	42.8	48.7	49.6	57.3	61.1	55.8	43.5	30.3	13.2
Max 1/1 Spectra	-0.2	32.8	35.1	60.4	60.5	61.2	70.3	65.2	64.9	56.8	44.5	30.1
Min 1/1 Spectra	-19.0	5.8	20.5	33.8	41.3	40.7	50.4	56.0	51.8	37.8	16.9	3.4

1/3 Octave

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
Overall 1/3 Spectra	-27.8	-19.2	-9.9	0.6	9.5	16.7	17.3	21.7	26.1	29.9	35.2	41.8	42.0	45.0	44.2	45.6	44.7	44.1	49.1	52.4	54.5	57.1	57.3	53.7	53.1	51.1	46.4	42.1	36.4	31.7	29.1	23.2	17.8	11.6	6.2
Max 1/3 Spectra	-19.1	-9.0	0.0	12.1	23.1	32.8	25.8	29.1	34.6	39.7	46.2	60.4	55.0	57.8	56.2	58.2	59.9	59.4	65.5	65.3	65.7	62.6	61.9	60.3	62.9	57.7	59.4	56.4	49.6	43.7	44.7	38.2	34.1	29.3	24.1
Min 1/3 Spectra	-30.1	-29.2	-20.2	-11.6	-3.4	4.0	7.5	9.9	18.1	22.3	27.3	30.2	31.9	34.4	35.5	36.1	36.2	32.8	33.5	43.8	48.3	52.2	52.2	48.9	48.6	46.7	41.6	36.5	30.6	23.1	15.3	7.7	3.6	0.7	-2.2

1/1 OBA Ref. Spectra

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/3 OBA Ref. Spectra

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/1 OBA Under Range

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
A Weighting	-5.2	-2.2	0.8	4.0	7.3	10.8	15.2	17.3	17.8	19.6	20.2	18.5
Noise Floor	-14.3	-11.4	-8.3	-5.2	-1.8	1.6	4.7	6.9	8.7	10.5	11.0	9.3

1/3 OBA Under Range

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
A Weighting	-11.0	-9.8	-9.1	-8.1	-7.1	-6.1	-5.0	-4.0	-3.0	-2.0	-0.8	0.3	1.5	2.4	3.4	5.3	5.7	6.8	7.9	8.9	9.5	10.6	11.1	11.6	12.2	13.1	13.7	14.4	14.8	15.3	15.5	15.5	15.2	14.6	13.7
Noise Floor	-20.1	-19.2	-18.2	-17.2	-16.2	-15.2	-14.2	-13.2	-12.2	-11.1	-10.0	-8.8	-7.6	-6.7	-5.7	-4.4	-3.4	-2.3	-1.2	-0.3	0.4	1.4	2.0	2.5	3.1	3.9	4.6	5.2	5.7	6.2	6.4	6.3	6.0	5.5	4.6

20000

1.1

18.5

-4.7

20000

0.0

0.0

0.0

0.0

20000

12.4

3.3

Record #	Date	Time	Record Type	Cause #	TH Record
1	2017/03/09	08:16:52	Run	Key 1	1
2	2017/03/09	08:32:00	Stop	Key 1	19

Statistics

Level (dB)	Count	Percent
Under	0	0.00
58.8	24	0.03
58.9	49	0.05
59.0	24	0.03
59.1	18	0.02
59.2	39	0.04
59.3	31	0.03
59.4	35	0.04
59.5	97	0.11
59.6	80	0.09
59.7	52	0.06
59.8	90	0.10
59.9	119	0.13
60.0	291	0.32
60.1	266	0.29
60.2	223	0.25
60.3	316	0.35
60.4	387	0.43
60.5	378	0.42
60.6	444	0.49
60.7	717	0.79
60.8	845	0.93
60.9	1023	1.13
61.0	1220	1.34
61.1	1080	1.19
61.2	1092	1.20
61.3	995	1.10
61.4	980	1.08
61.5	962	1.06
61.6	1067	1.17
61.7	1286	1.42
61.8	1859	2.05
61.9	1725	1.90
62.0	1435	1.58
62.1	1439	1.58
62.2	1359	1.50
62.3	1786	1.97
62.4	1981	2.18
62.5	2391	2.63
62.6	2193	2.41
62.7	1922	2.12
62.8	2341	2.58
62.9	2172	2.39
63.0	2273	2.50
63.1	2783	3.06

63.2	2537	2.79
63.3	2506	2.76
63.4	2136	2.35
63.5	2178	2.40
63.6	2293	2.52
63.7	2099	2.31
63.8	2307	2.54
63.9	2117	2.33
64.0	2260	2.49
64.1	1895	2.09
64.2	1977	2.18
64.3	1457	1.60
64.4	1612	1.77
64.5	1526	1.68
64.6	1444	1.59
64.7	1790	1.97
64.8	1663	1.83
64.9	1401	1.54
65.0	1304	1.44
65.1	1151	1.27
65.2	992	1.09
65.3	840	0.92
65.4	805	0.89
65.5	687	0.76
65.6	490	0.54
65.7	580	0.64
65.8	541	0.60
65.9	351	0.39
66.0	263	0.29
66.1	220	0.24
66.2	244	0.27
66.3	150	0.17
66.4	158	0.17
66.5	259	0.29
66.6	329	0.36
66.7	168	0.18
66.8	163	0.18
66.9	188	0.21
67.0	225	0.25
67.1	247	0.27
67.2	250	0.28
67.3	231	0.25
67.4	276	0.30
67.5	145	0.16
67.6	180	0.20
67.7	165	0.18
67.8	120	0.13

67.9	139	0.15
68.0	110	0.12
68.1	84	0.09
68.2	126	0.14
68.3	66	0.07
68.4	63	0.07
68.5	69	0.08
68.6	49	0.05
68.7	63	0.07
68.8	99	0.11
68.9	174	0.19
69.0	174	0.19
69.1	130	0.14
69.2	81	0.09
69.3	56	0.06
69.4	24	0.03
69.5	21	0.02
69.6	34	0.04
69.7	58	0.06
69.8	69	0.08
69.9	92	0.10
70.0	97	0.11
70.1	54	0.06
70.2	24	0.03
70.3	3	0.00
70.4	4	0.00
70.5	5	0.01
70.6	3	0.00
70.7	2	0.00
70.8	4	0.00
70.9	2	0.00
71.0	4	0.00
71.1	3	0.00
71.2	3	0.00
71.3	5	0.01
71.4	2	0.00
71.5	8	0.01
71.6	6	0.01
71.7	7	0.01
71.8	8	0.01
71.9	4	0.00
72.0	3	0.00
72.1	3	0.00
72.2	3	0.00
72.3	3	0.00
Over	0	0.00

Total Count 90850

Marker

Record #	Date	Time	Duration	Run Time	Pause	LAeq	LAE	LASmin	LASmin Time	LASmax	LASmax Time	LApeak (max)	LApeak (max) Time	SPL 1 Count	Duration	SPL 2 Count	Duration	Peak 1 Count
1	2017/03/09	08:16:52	00:13:07.8	00:13:07.8	00:00:00.0	63.6	92.5	58.8	08:28:18	70.2	08:20:13	86.4	08:18:37	14	182.9	0	0.0	0
2	2017/03/09	08:30:00	00:02:00.7	00:02:00.7	00:00:00.0	65.1	85.9	61.3	08:30:10	72.3	08:31:53	90.0	08:31:59	4	82.2	0	0.0	0

Duration	Peak 2 Count	Duration	Peak 3 Count	Duration	LAS1.67	LAS8.33	LAS25.00	LAS33.30	LAS50.00	LAS90.00	SEA	LCeq	LAeq	LCeq - LAeq	LAeq	LAeq	LAeq-LAeq	# Overloads	Duration	# OBA Overloads	Duration
0.0	0	0.0	0	0.0	68.1	65.2	64.1	63.8	63.2	61.2	-99.9	71.4	63.6	7.9	64.6	63.6	1.0	0	0.0	39	148.0
0.0	0	0.0	0	0.0	69.2	67.3	65.6	65.3	64.6	62.2	-99.9	72.1	65.1	7.1	68.1	65.1	3.0	0	0.0	9	46.1

1/1 LAeq	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmax	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmin	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000
-9.3	17.7	27.9	43.0	48.4	49.2	56.8	60.9	55.6	43.0	29.3	12.2	-0.2	32.8	35.1	60.4	60.5	61.2	66.2	65.2	61.2	52.3	44.5	30.1	-19.0	5.8	20.6	33.8	41.3	40.7	50.4	56.0	51.8	37.8	16.9			
-9.4	16.5	27.9	41.2	50.2	51.7	59.4	61.9	56.8	45.7	34.0	16.8	-1.8	25.2	34.6	47.0	60.1	60.7	70.3	65.2	64.9	56.8	44.4	29.5	-17.9	6.0	20.5	34.8	43.4	43.2	51.5	59.1	53.4	39.5	18.8			

16000	1/3 LAeq	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
3.4	-27.9	-19.3	-9.9	0.4	9.1	17.0	17.4	21.7	26.1	29.9	35.1	42.0	41.7	44.7	43.9	45.0	44.2	44.1	47.9	51.7	54.4	57.0	57.2	53.5	53.0	50.9	46.1	41.5	36.2	31.0	28.3	21.5	16.1	10.4	5.9	1.2	
4.0	-27.7	-18.5	-10.0	1.7	11.5	14.6	16.9	21.7	26.2	30.3	35.9	39.1	43.4	46.4	46.0	48.5	47.1	44.4	53.3	55.1	55.3	57.6	58.2	54.9	54.0	52.2	48.3	44.5	37.6	34.7	32.2	28.1	22.7	15.6	7.8	0.3	

1/3 LASmax	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
-19.1	-9.0	0.0	12.1	18.4	32.8	25.8	29.1	34.6	39.1	46.2	60.4	51.9	57.8	56.2	58.2	59.9	59.4	61.0	61.8	63.0	62.1	61.8	59.4	59.0	56.5	57.4	48.4	49.6	43.2	44.7	37.2	31.9	29.3	24.1	18.5	
-22.4	-10.8	-2.1	10.4	23.1	23.8	25.1	28.5	33.2	39.7	43.3	45.2	55.0	56.5	56.1	57.9	59.0	52.7	65.5	65.3	65.7	62.6	61.9	60.3	62.9	57.7	59.4	56.4	44.7	43.7	42.9	38.2	34.1	28.5	18.6	8.7	

1/3 LASmin	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
	-30.1	-29.2	-20.2	-11.6	-3.4	4.3	7.5	9.9	18.2	22.3	27.3	30.2	31.9	34.4	35.5	36.1	36.2	32.8	33.5	43.8	48.3	52.2	52.2	48.9	48.6	46.7	41.6	36.5	30.6	23.1	15.3	7.7	3.6	0.7	-2.2	-4.7
	-30.1	-28.4	-18.5	-8.7	-0.3	4.0	10.2	14.3	18.1	23.2	29.0	32.3	36.2	39.3	37.9	39.5	37.9	36.4	39.3	45.3	50.0	54.2	55.6	52.2	50.4	49.0	44.1	38.3	31.9	24.7	17.6	9.3	4.6	1.5	-1.9	-4.0

Summary

Filename 831_Data.077
Serial Number 3171
Model Model 831
Firmware Version 2.310
User
Location
Job Description
Note
Measurement Description
Start 2017/03/09 9:44:30
Stop 2017/03/09 9:59:37
Duration 0:15:06.2
Run Time 0:15:06.2
Pause 0:00:00.0

Pre Calibration 2015/12/10 6:55:39
Post Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamp PRM831
Microphone Correction Off
Integration Method Linear
OBA Range Low
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum Bin Max
Gain 20.0 dB
Overload 123.9 dB

	A	C	Z
Under Range Peak	56.4	53.4	58.4 dB
Under Range Limit	24.7	25.1	32.2 dB
Noise Floor	15.5	15.9	20.8 dB

Results

LAeq 56.0 dB
LAE 85.5 dB
EA 39.662 $\mu\text{Pa}^2\text{h}$
LApeak (max) 2017/03/09 9:50:44 92.6 dB
LASmax 2017/03/09 9:49:15 74.1 dB
LASmin 2017/03/09 9:47:57 44.8 dB
SEA -99.9 dB

LAS > 65.0 dB (Exceedence Counts / Duration)	11	36.2 s
LAS > 85.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedence 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	LNight 22:00-07:00
	56.0	56.0	-99.9	56.0	56.0	-99.9	-99.9
LCeq	68.5 dB						
LAeq	56.0 dB						
LCeq - LAeq	12.6 dB						
LAeq	59.8 dB						
LAeq	56.0 dB						
LAeq - LAeq	3.8 dB						
# Overloads	0						
Overload Duration	0.0 s						
# OBA Overloads	12						
OBA Overload Duration	32.4 s						

Statistics	
LAS1.67	67.5 dB
LAS8.33	58.0 dB
LAS25.00	51.0 dB
LAS33.30	50.1 dB
LAS50.00	48.9 dB
LAS90.00	46.6 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100
PRM831	2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4
Direct	2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5
Direct	2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5
Direct	2015/12/08 6:55:30	-26.5	62.7	48.6	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9
Direct	2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	41.3	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2
Direct	2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9
Direct	2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3
Direct	2015/12/02 6:56:51	-26.6	54.3	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5
Direct	2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1
Direct	2015/12/01 6:52:05	-26.5	44.0	43.8	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9
Direct	2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1
PRM831	2017/03/09 7:33:19	-26.5	68.3	61.2	72.6	65.1	72.3	59.8	59.2	58.7	61.7	69.1	63.9	67.6	60.4
PRM831	2017/03/02 2:25:00	-26.5	70.1	78.8	63.7	66.2	65.1	67.4	61.6	64.9	63.7	61.7	58.3	55.2	62.9
PRM831	2017/03/02 2:24:44	-26.5	72.5	74.2	80.5	76.8	66.4	76.9	73.0	74.2	71.5	67.9	65.1	63.7	60.7
PRM831	2017/02/26 7:27:13	-26.4	39.3	47.2	45.1	47.5	46.6	49.2	42.7	43.7	48.1	46.4	41.4	41.0	54.9
PRM831	2017/02/26 7:26:46	-26.4	52.4	48.0	56.7	69.3	62.9	53.9	51.1	47.5	41.8	50.5	46.5	43.4	44.5
PRM831	2017/02/14 13:09:26	-26.5	52.8	58.5	65.4	70.6	76.9	64.3	55.1	56.6	59.7	61.4	66.4	63.8	56.8

PRM831	2017/02/14 13:09:05	-26.5	76.5	80.9	88.4	87.6	106.1	85.5	76.7	78.1	79.8	84.0	86.3	80.6	76.4
PRM831	2017/02/13 9:04:58	-46.5	84.0	76.9	82.2	85.9	83.1	75.7	71.1	72.3	73.1	75.4	83.9	88.1	77.1
PRM831	2017/02/13 9:04:10	-46.5	76.2	77.5	85.2	87.0	83.6	86.7	69.7	73.9	73.1	76.5	86.1	84.1	79.2
PRM831	2017/02/13 9:03:51	-46.5	58.7	59.7	59.8	72.3	73.6	65.3	61.1	61.5	67.4	62.9	68.2	62.1	65.1
PRM831	2016/12/29 20:01:16	-26.5	93.3	107.2	73.7	56.3	47.6	44.6	44.8	46.6	39.0	32.9	36.0	31.0	29.9
Unknown	2015/08/25 6:57:04	-26.4	40.8	33.8	36.9	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9
Unknown	2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4

125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	
27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1		
27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0		
41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0		
42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0		
32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0		
26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0		
28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9		
28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0		
34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0		
35.5	28.1	27.9	27.4	26.2	34.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4		
27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0		
59.6	55.0	51.1	52.6	54.5	51.6	50.3	45.9	36.5	114.0	49.0	28.3	64.7	29.5	59.0	33.1	33.9	34.0	35.5	36.9	37.8	38.9		
57.2	51.4	55.8	59.0	57.4	54.3	53.7	49.7	33.3	114.0	49.0	28.0	65.0	30.4	59.0	32.7	33.5	34.4	35.4	36.8	37.8	38.9		
56.4	50.1	51.7	47.0	52.0	63.4	59.5	47.5	31.0	113.9	48.8	28.6	64.8	30.6	58.8	33.2	33.4	34.3	35.5	36.6	37.9	39.2		
45.9	42.5	58.2	55.9	57.1	58.7	56.3	46.8	34.6	114.0	49.0	28.9	65.1	30.5	59.1	33.5	33.8	34.4	35.5	36.7	37.7	39.2		
48.6	47.2	57.3	54.0	55.0	55.6	51.1	47.9	40.2	114.1	49.2	28.6	65.1	30.1	59.2	33.1	33.8	34.4	35.8	37.0	37.9	39.3		
60.2	49.7	51.9	52.1	46.7	43.2	47.0	40.9	37.1	114.0	49.2	29.3	64.6	30.2	59.5	33.0	33.6	34.4	35.8	36.6	37.9	38.9		

79.8	76.6	75.3	77.5	68.3	67.8	67.0	60.9	61.3	134.0	69.2	48.7	84.6	50.7	79.5	52.9	53.7	54.4	55.3	57.0	57.6	58.9
79.6	71.1	70.2	67.5	64.6	61.2	62.1	56.2	51.9	114.0	52.4	50.2	53.2	49.7	58.5	51.5	52.7	54.4	55.1	56.3	57.7	58.8
74.6	70.9	70.7	71.2	65.3	68.8	64.8	57.5	55.1	113.9	51.8	48.9	53.1	50.1	58.5	52.1	53.0	54.0	55.2	56.6	57.5	58.9
62.2	53.0	55.6	47.9	48.7	50.6	52.3	49.3	45.6	93.9	34.5	30.3	33.0	29.3	38.6	32.0	33.3	34.9	35.7	36.5	37.6	38.6
25.8	28.1	29.3	27.5	25.6	25.2	25.5	24.9	30.6	114.0	48.9	29.2	64.6	30.4	59.2	33.5	34.2	34.3	35.8	36.9	37.9	39.1
47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1
24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3

1/1 Octave

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
Overall 1/1 Spectra	-10.7	13.9	29.9	37.4	44.4	44.8	48.8	51.5	47.6	40.1	31.7	24.0
Max 1/1 Spectra	0.6	25.9	51.1	59.6	63.9	62.6	64.7	68.2	65.5	57.5	49.9	51.0
Min 1/1 Spectra	-22.9	0.1	17.0	25.8	32.8	33.3	37.0	40.9	34.7	22.7	11.0	3.2

1/3 Octave

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
Overall 1/3 Spectra	-29.0	-20.1	-11.4	-0.9	6.3	12.8	15.5	17.9	29.4	28.8	30.9	35.3	37.6	41.3	39.0	39.6	40.0	40.6	41.1	45.4	44.7	46.1	47.5	46.4	44.5	43.0	39.9	37.2	34.8	32.7	29.2	25.7	23.8	24.3	11.3
Max 1/3 Spectra	-20.8	-8.2	0.6	11.5	24.1	25.2	25.1	26.9	51.3	49.8	54.4	58.1	57.9	62.6	60.3	60.2	59.7	59.4	58.9	63.7	61.2	62.4	64.2	63.9	62.2	61.5	57.6	54.3	52.0	51.2	48.1	44.4	46.6	51.9	32.6
Min 1/3 Spectra	-30.1	-29.2	-24.4	-14.9	-8.3	-2.6	4.8	8.4	13.9	18.0	19.3	22.3	27.1	26.5	27.2	28.2	27.8	28.4	28.7	31.1	33.8	36.0	37.0	34.6	32.3	29.4	24.8	19.6	16.1	12.3	7.9	5.4	3.3	0.6	-2.4

1/1 OBA Ref. Spectra

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/3 OBA Ref. Spectra

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/1 OBA Under Range

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
A Weighting	-5.2	-2.2	0.8	4.0	7.3	10.8	15.2	17.3	17.8	19.6	20.2	18.5
Noise Floor	-14.3	-11.4	-8.3	-5.2	-1.8	1.6	4.7	6.9	8.7	10.5	11.0	9.3

1/3 OBA Under Range

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
A Weighting	-11.0	-9.8	-9.1	-8.1	-7.1	-6.1	-5.0	-4.0	-3.0	-2.0	-0.8	0.3	1.5	2.4	3.4	5.3	5.7	6.8	7.9	8.9	9.5	10.6	11.1	11.6	12.2	13.1	13.7	14.4	14.8	15.3	15.5	15.5	15.2	14.6	13.7
Noise Floor	-20.1	-19.2	-18.2	-17.2	-16.2	-15.2	-14.2	-13.2	-12.2	-11.1	-10.0	-8.8	-7.6	-6.7	-5.7	-4.4	-3.4	-2.3	-1.2	-0.3	0.4	1.4	2.0	2.5	3.1	3.9	4.6	5.2	5.7	6.2	6.4	6.3	6.0	5.5	4.6

20000

5.6

26.9

-5.2

20000

0.0

0.0

0.0

0.0

20000

12.4

3.3

Record #	Date	Time	Record Type	Cause #	TH Record
1	2017/03/09	09:44:30	Run	Key 1	1
2	2017/03/09	09:59:37	Stop	Key 1	18

Statistics

Level (dB)	Count	Percent
Under	0	0.00
44.8	29	0.03
44.9	36	0.04
45.0	34	0.04
45.1	251	0.28
45.2	153	0.17
45.3	161	0.18
45.4	173	0.19
45.5	240	0.26
45.6	369	0.41
45.7	397	0.44
45.8	435	0.48
45.9	639	0.71
46.0	654	0.72
46.1	684	0.75
46.2	673	0.74
46.3	1009	1.11
46.4	986	1.09
46.5	1319	1.46
46.6	1566	1.73
46.7	1520	1.68
46.8	1399	1.54
46.9	1449	1.60
47.0	1412	1.56
47.1	1325	1.46
47.2	1222	1.35
47.3	1432	1.58
47.4	1646	1.82
47.5	1689	1.86
47.6	1862	2.05
47.7	1539	1.70
47.8	1804	1.99
47.9	1628	1.80
48.0	1597	1.76
48.1	1793	1.98
48.2	1894	2.09
48.3	1824	2.01
48.4	1735	1.91
48.5	1748	1.93
48.6	1642	1.81
48.7	1490	1.64
48.8	1582	1.75
48.9	1858	2.05
49.0	1705	1.88
49.1	1719	1.90

49.2	1540	1.70
49.3	1339	1.48
49.4	1178	1.30
49.5	1298	1.43
49.6	1039	1.15
49.7	1036	1.14
49.8	954	1.05
49.9	833	0.92
50.0	833	0.92
50.1	1042	1.15
50.2	947	1.05
50.3	865	0.95
50.4	829	0.91
50.5	900	0.99
50.6	861	0.95
50.7	749	0.83
50.8	550	0.61
50.9	604	0.67
51.0	528	0.58
51.1	499	0.55
51.2	533	0.59
51.3	527	0.58
51.4	446	0.49
51.5	455	0.50
51.6	429	0.47
51.7	373	0.41
51.8	331	0.37
51.9	325	0.36
52.0	352	0.39
52.1	320	0.35
52.2	392	0.43
52.3	301	0.33
52.4	323	0.36
52.5	351	0.39
52.6	323	0.36
52.7	258	0.28
52.8	217	0.24
52.9	222	0.24
53.0	265	0.29
53.1	222	0.24
53.2	211	0.23
53.3	193	0.21
53.4	171	0.19
53.5	175	0.19
53.6	189	0.21
53.7	154	0.17
53.8	148	0.16

53.9	154	0.17
54.0	140	0.15
54.1	158	0.17
54.2	140	0.15
54.3	176	0.19
54.4	180	0.20
54.5	151	0.17
54.6	137	0.15
54.7	142	0.16
54.8	177	0.20
54.9	134	0.15
55.0	159	0.18
55.1	150	0.17
55.2	194	0.21
55.3	121	0.13
55.4	150	0.17
55.5	134	0.15
55.6	130	0.14
55.7	161	0.18
55.8	147	0.16
55.9	178	0.20
56.0	183	0.20
56.1	184	0.20
56.2	142	0.16
56.3	173	0.19
56.4	199	0.22
56.5	102	0.11
56.6	133	0.15
56.7	166	0.18
56.8	149	0.16
56.9	147	0.16
57.0	148	0.16
57.1	240	0.26
57.2	137	0.15
57.3	119	0.13
57.4	116	0.13
57.5	132	0.15
57.6	94	0.10
57.7	98	0.11
57.8	101	0.11
57.9	128	0.14
58.0	108	0.12
58.1	105	0.12
58.2	67	0.07
58.3	72	0.08
58.4	67	0.07
58.5	72	0.08

58.6	83	0.09
58.7	68	0.08
58.8	68	0.08
58.9	67	0.07
59.0	73	0.08
59.1	68	0.08
59.2	49	0.05
59.3	52	0.06
59.4	50	0.06
59.5	52	0.06
59.6	53	0.06
59.7	48	0.05
59.8	53	0.06
59.9	52	0.06
60.0	45	0.05
60.1	77	0.08
60.2	121	0.13
60.3	79	0.09
60.4	77	0.08
60.5	76	0.08
60.6	65	0.07
60.7	67	0.07
60.8	70	0.08
60.9	73	0.08
61.0	74	0.08
61.1	90	0.10
61.2	54	0.06
61.3	60	0.07
61.4	68	0.08
61.5	48	0.05
61.6	52	0.06
61.7	50	0.06
61.8	55	0.06
61.9	79	0.09
62.0	56	0.06
62.1	59	0.07
62.2	54	0.06
62.3	62	0.07
62.4	68	0.08
62.5	73	0.08
62.6	80	0.09
62.7	91	0.10
62.8	95	0.10
62.9	86	0.09
63.0	81	0.09
63.1	86	0.09
63.2	93	0.10

63.3	80	0.09
63.4	102	0.11
63.5	105	0.12
63.6	57	0.06
63.7	47	0.05
63.8	47	0.05
63.9	50	0.06
64.0	49	0.05
64.1	59	0.07
64.2	63	0.07
64.3	56	0.06
64.4	77	0.08
64.5	60	0.07
64.6	58	0.06
64.7	67	0.07
64.8	63	0.07
64.9	60	0.07
65.0	96	0.11
65.1	64	0.07
65.2	52	0.06
65.3	50	0.06
65.4	44	0.05
65.5	39	0.04
65.6	44	0.05
65.7	45	0.05
65.8	47	0.05
65.9	38	0.04
66.0	44	0.05
66.1	43	0.05
66.2	43	0.05
66.3	47	0.05
66.4	46	0.05
66.5	47	0.05
66.6	50	0.06
66.7	56	0.06
66.8	53	0.06
66.9	56	0.06
67.0	46	0.05
67.1	49	0.05
67.2	49	0.05
67.3	51	0.06
67.4	57	0.06
67.5	63	0.07
67.6	59	0.07
67.7	64	0.07
67.8	51	0.06
67.9	55	0.06

68.0	121	0.13
68.1	74	0.08
68.2	59	0.07
68.3	96	0.11
68.4	54	0.06
68.5	38	0.04
68.6	62	0.07
68.7	32	0.04
68.8	14	0.02
68.9	15	0.02
69.0	14	0.02
69.1	18	0.02
69.2	16	0.02
69.3	15	0.02
69.4	17	0.02
69.5	17	0.02
69.6	18	0.02
69.7	15	0.02
69.8	18	0.02
69.9	16	0.02
70.0	21	0.02
70.1	19	0.02
70.2	16	0.02
70.3	20	0.02
70.4	23	0.03
70.5	21	0.02
70.6	27	0.03
70.7	27	0.03
70.8	31	0.03
70.9	33	0.04
71.0	9	0.01
71.1	9	0.01
71.2	11	0.01
71.3	9	0.01
71.4	10	0.01
71.5	9	0.01
71.6	11	0.01
71.7	10	0.01
71.8	16	0.02
71.9	22	0.02
72.0	25	0.03
72.1	3	0.00
72.2	4	0.00
72.3	5	0.01
72.4	3	0.00
72.5	5	0.01
72.6	5	0.01

72.7	3	0.00
72.8	5	0.01
72.9	4	0.00
73.0	3	0.00
73.1	5	0.01
73.2	4	0.00
73.3	4	0.00
73.4	4	0.00
73.5	8	0.01
73.6	6	0.01
73.7	5	0.01
73.8	7	0.01
73.9	9	0.01
74.0	10	0.01
74.1	15	0.02
Over	0	0.00

Total Count 90620

Marker

Record #	Date	Time	Duration	Run Time	Pause	LAeq	LAE	LASmin	LASmin Time	LASmax	LASmax Time	LApeak (max)	LApeak (max) Time	SPL 1 Count	Duration	SPL 2 Count	Duration	Peak 1 Count
1	2017/03/09	09:44:30	00:00:29.1	00:00:29.1	00:00:00.0	59.6	74.3	47.0	09:44:48	70.8	09:44:58	86.9	09:44:54	1	2.2	0	0.0	0
2	2017/03/09	09:45:00	00:14:37.1	00:14:37.1	00:00:00.0	55.8	85.2	44.8	09:47:57	74.1	09:49:15	92.6	09:50:44	10	34.0	0	0.0	0

Duration	Peak 2 Count	Duration	Peak 3 Count	Duration	LAS1.67	LAS8.33	LAS25.00	LAS33.30	LAS50.00	LAS90.00	SEA	LCeq	LAeq	LCeq - LAeq	LAeq	LAeq	LAeq-LAeq	# Overloads	Duration	# OBA Overloads	Duration
0.0	0	0.0	0	0.0	70.3	63.1	52.0	49.3	48.0	47.3	-99.9	66.2	59.6	6.5	62.5	59.6	2.9	0	0.0	1	1.7
0.0	0	0.0	0	0.0	67.2	57.9	51.0	50.1	48.9	46.6	-99.9	68.6	55.8	12.8	59.7	55.8	3.9	0	0.0	12	30.7

1/1 LAeq 8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmax 8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmin 8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000
-9.4	10.8	25.0	32.4	39.3	44.0	51.2	55.6	51.0	43.9	33.7	19.5	-5.6	13.6	33.4	40.9	48.3	54.3	62.7	66.8	61.6	53.4	44.1	30.6	-14.5	6.6	18.6	27.0	34.1	35.4	38.2	43.4	38.0	30.9	18.7
-10.8	13.9	30.0	37.5	44.5	44.8	48.7	51.3	47.4	39.9	31.6	24.1	0.6	25.9	51.1	59.6	63.9	62.6	64.7	68.2	65.5	57.5	49.9	51.0	-22.9	0.1	17.0	25.8	32.8	33.3	37.0	40.9	34.7	22.7	11.0

16000	1/3 LAeq	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
4.8	-27.8	-18.1	-10.4	-2.2	2.8	9.7	15.0	18.4	23.1	23.5	26.7	30.4	32.8	34.1	35.5	37.9	40.4	39.7	43.1	46.7	48.2	50.6	52.1	49.4	47.7	46.1	43.9	40.7	39.6	36.2	31.8	27.7	23.6	17.9	12.4	7.0	
3.2	-29.0	-20.1	-11.5	-0.9	6.4	12.9	15.6	17.9	29.6	28.9	31.0	35.4	37.7	41.4	39.1	39.6	40.0	40.7	41.0	45.3	44.5	45.8	47.2	46.3	44.3	42.8	39.7	37.0	34.4	32.5	29.1	25.6	23.8	24.4	11.3	5.6	

1/3 LASmax	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
-24.3	-13.6	-6.3	4.1	6.9	12.9	21.3	25.1	32.6	28.6	35.3	39.8	40.5	42.8	45.1	48.8	50.9	49.9	54.3	58.5	59.6	61.9	63.3	60.3	58.3	56.9	54.4	51.0	48.1	45.1	42.2	37.9	34.3	28.7	24.2	19.3	
-20.8	-8.2	0.6	11.5	24.1	25.2	25.1	26.9	51.3	49.8	54.4	58.1	57.9	62.6	60.3	60.2	59.7	59.4	58.9	63.7	61.2	62.4	64.2	63.9	62.2	61.5	57.6	54.3	52.0	51.2	48.1	44.4	46.6	51.9	32.6	26.9	

1/3 LASmin	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
	-30.1	-24.9	-16.6	-7.9	-1.1	4.5	8.6	12.7	16.4	19.4	21.8	23.5	27.6	28.1	29.8	30.0	30.2	29.3	30.5	32.8	35.2	38.0	39.6	37.6	35.5	32.7	28.5	23.0	26.7	24.0	15.3	7.7	5.4	2.5	-1.1	-4.1
	-30.1	-29.2	-24.4	-14.9	-8.3	-2.6	4.8	8.4	13.9	18.0	19.3	22.3	27.1	26.5	27.2	28.2	27.8	28.4	28.7	31.1	33.8	36.0	37.0	34.6	32.3	29.4	24.8	19.6	16.1	12.3	7.9	5.4	3.3	0.6	-2.4	-5.2

Summary

Filename 831_Data.073
 Serial Number 3171
 Model Model 831
 Firmware Version 2.310

User
 Location
 Job Description

Note

Measurement Description
 Start 2017/03/09 7:53:41
 Stop 2017/03/09 8:08:45
 Duration 0:15:03.7
 Run Time 0:15:03.7
 Pause 0:00:00.0

Pre Calibration 2015/12/10 6:55:39
 Post Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
 Peak Weight A Weighting
 Detector Slow
 Preamp PRM831
 Microphone Correction Off
 Integration Method Linear
 OBA Range Low
 OBA Bandwidth 1/1 and 1/3
 OBA Freq. Weighting A Weighting
 OBA Max Spectrum Bin Max
 Gain 20.0 dB
 Overload 123.9 dB

	A	C	Z
Under Range Peak	56.4	53.4	58.4 dB
Under Range Limit	24.7	25.1	32.2 dB
Noise Floor	15.5	15.9	20.8 dB

Results

L_{Aeq} 71.8 dB
 L_{AE} 101.4 dB
 EA 1.519 mPa²h
 L_{Apeak} (max) 2017/03/09 8:08:39 102.0 dB
 L_{ASmax} 2017/03/09 8:04:20 83.2 dB
 L_{ASmin} 2017/03/09 8:05:28 67.8 dB
 SEA -99.9 dB

LAS > 65.0 dB (Exceedence Counts / Duration)	1	903.6 s
LAS > 85.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedence 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	LNight 22:00-07:00
	71.8	71.8	-99.9	71.8	71.8	-99.9	-99.9
LCeq	80.4 dB						
LAeq	71.8 dB						
LCeq - LAeq	8.6 dB						
LAeq	72.8 dB						
LAeq	71.8 dB						
LAeq - LAeq	1.0 dB						
# Overloads	0						
Overload Duration	0.0 s						
# OBA Overloads	1						
OBA Overload Duration	903.6 s						

Statistics	
LAS1.67	75.3 dB
LAS8.33	73.4 dB
LAS25.00	72.2 dB
LAS33.30	71.8 dB
LAS50.00	71.1 dB
LAS90.00	69.6 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100
PRM831	2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4
Direct	2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5
Direct	2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5
Direct	2015/12/08 6:55:30	-26.5	62.7	48.6	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9
Direct	2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	41.3	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2
Direct	2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9
Direct	2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3
Direct	2015/12/02 6:56:51	-26.6	54.3	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5
Direct	2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1
Direct	2015/12/01 6:52:05	-26.5	44.0	43.8	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9
Direct	2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1
PRM831	2017/03/09 7:33:19	-26.5	68.3	61.2	72.6	65.1	72.3	59.8	59.2	58.7	61.7	69.1	63.9	67.6	60.4
PRM831	2017/03/02 2:25:00	-26.5	70.1	78.8	63.7	66.2	65.1	67.4	61.6	64.9	63.7	61.7	58.3	55.2	62.9
PRM831	2017/03/02 2:24:44	-26.5	72.5	74.2	80.5	76.8	66.4	76.9	73.0	74.2	71.5	67.9	65.1	63.7	60.7
PRM831	2017/02/26 7:27:13	-26.4	39.3	47.2	45.1	47.5	46.6	49.2	42.7	43.7	48.1	46.4	41.4	41.0	54.9
PRM831	2017/02/26 7:26:46	-26.4	52.4	48.0	56.7	69.3	62.9	53.9	51.1	47.5	41.8	50.5	46.5	43.4	44.5
PRM831	2017/02/14 13:09:26	-26.5	52.8	58.5	65.4	70.6	76.9	64.3	55.1	56.6	59.7	61.4	66.4	63.8	56.8

PRM831	2017/02/14 13:09:05	-26.5	76.5	80.9	88.4	87.6	106.1	85.5	76.7	78.1	79.8	84.0	86.3	80.6	76.4
PRM831	2017/02/13 9:04:58	-46.5	84.0	76.9	82.2	85.9	83.1	75.7	71.1	72.3	73.1	75.4	83.9	88.1	77.1
PRM831	2017/02/13 9:04:10	-46.5	76.2	77.5	85.2	87.0	83.6	86.7	69.7	73.9	73.1	76.5	86.1	84.1	79.2
PRM831	2017/02/13 9:03:51	-46.5	58.7	59.7	59.8	72.3	73.6	65.3	61.1	61.5	67.4	62.9	68.2	62.1	65.1
PRM831	2016/12/29 20:01:16	-26.5	93.3	107.2	73.7	56.3	47.6	44.6	44.8	46.6	39.0	32.9	36.0	31.0	29.9
Unknown	2015/08/25 6:57:04	-26.4	40.8	33.8	36.9	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9
Unknown	2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4

125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	
27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1		
27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0		
41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0		
42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0		
32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0		
26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0		
28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9		
28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0		
34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0		
35.5	28.1	27.9	27.4	26.2	34.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4		
27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0		
59.6	55.0	51.1	52.6	54.5	51.6	50.3	45.9	36.5	114.0	49.0	28.3	64.7	29.5	59.0	33.1	33.9	34.0	35.5	36.9	37.8	38.9		
57.2	51.4	55.8	59.0	57.4	54.3	53.7	49.7	33.3	114.0	49.0	28.0	65.0	30.4	59.0	32.7	33.5	34.4	35.4	36.8	37.8	38.9		
56.4	50.1	51.7	47.0	52.0	63.4	59.5	47.5	31.0	113.9	48.8	28.6	64.8	30.6	58.8	33.2	33.4	34.3	35.5	36.6	37.9	39.2		
45.9	42.5	58.2	55.9	57.1	58.7	56.3	46.8	34.6	114.0	49.0	28.9	65.1	30.5	59.1	33.5	33.8	34.4	35.5	36.7	37.7	39.2		
48.6	47.2	57.3	54.0	55.0	55.6	51.1	47.9	40.2	114.1	49.2	28.6	65.1	30.1	59.2	33.1	33.8	34.4	35.8	37.0	37.9	39.3		
60.2	49.7	51.9	52.1	46.7	43.2	47.0	40.9	37.1	114.0	49.2	29.3	64.6	30.2	59.5	33.0	33.6	34.4	35.8	36.6	37.9	38.9		

79.8	76.6	75.3	77.5	68.3	67.8	67.0	60.9	61.3	134.0	69.2	48.7	84.6	50.7	79.5	52.9	53.7	54.4	55.3	57.0	57.6	58.9
79.6	71.1	70.2	67.5	64.6	61.2	62.1	56.2	51.9	114.0	52.4	50.2	53.2	49.7	58.5	51.5	52.7	54.4	55.1	56.3	57.7	58.8
74.6	70.9	70.7	71.2	65.3	68.8	64.8	57.5	55.1	113.9	51.8	48.9	53.1	50.1	58.5	52.1	53.0	54.0	55.2	56.6	57.5	58.9
62.2	53.0	55.6	47.9	48.7	50.6	52.3	49.3	45.6	93.9	34.5	30.3	33.0	29.3	38.6	32.0	33.3	34.9	35.7	36.5	37.6	38.6
25.8	28.1	29.3	27.5	25.6	25.2	25.5	24.9	30.6	114.0	48.9	29.2	64.6	30.4	59.2	33.5	34.2	34.3	35.8	36.9	37.9	39.1
47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1
24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3

1/1 Octave												
Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
Overall 1/1 Spectra	-6.1	22.1	38.2	51.5	56.5	59.3	63.1	68.4	65.2	56.6	46.3	33.9
Max 1/1 Spectra	5.3	32.4	47.6	64.5	67.3	69.4	78.4	79.2	76.1	72.7	62.3	49.7
Min 1/1 Spectra	-15.8	11.4	30.5	44.1	50.5	53.6	57.2	64.5	61.2	50.6	35.6	13.2

1/3 Octave																																			
Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
Overall 1/3 Spectra	-23.6	-16.1	-6.7	4.8	14.2	21.3	26.6	31.8	36.7	40.6	46.0	49.7	50.9	52.2	52.0	53.7	54.5	55.4	57.3	57.8	59.6	62.5	64.7	63.4	62.3	60.2	57.6	54.4	50.6	48.0	44.1	40.5	36.0	31.4	29.0
Max 1/3 Spectra	-3.7	1.1	4.7	19.8	25.1	32.1	35.9	40.5	47.8	50.5	59.2	64.7	63.4	63.1	65.7	63.3	68.5	65.8	76.8	69.2	73.4	70.0	77.6	72.7	73.1	69.0	71.0	72.4	63.4	68.2	60.1	57.0	51.3	47.7	48.9
Min 1/3 Spectra	-30.1	-27.5	-16.7	-7.6	-0.1	10.0	17.9	23.2	28.4	32.1	25.6	37.7	42.6	44.5	45.3	47.1	46.9	49.2	49.3	51.3	54.3	58.3	60.4	59.7	58.1	56.4	52.3	48.6	44.5	40.3	34.4	28.0	20.0	11.9	4.4

1/1 OBA Ref. Spectra												
Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/3 OBA Ref. Spectra																																				
Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/1 OBA Under Range												
Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
A Weighting	-5.2	-2.2	0.8	4.0	7.3	10.8	15.2	17.3	17.8	19.6	20.2	18.5
Noise Floor	-14.3	-11.4	-8.3	-5.2	-1.8	1.6	4.7	6.9	8.7	10.5	11.0	9.3

1/3 OBA Under Range																																			
Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
A Weighting	-11.0	-9.8	-9.1	-8.1	-7.1	-6.1	-5.0	-4.0	-3.0	-2.0	-0.8	0.3	1.5	2.4	3.4	5.3	5.7	6.8	7.9	8.9	9.5	10.6	11.1	11.6	12.2	13.1	13.7	14.4	14.8	15.3	15.5	15.5	15.2	14.6	13.7
Noise Floor	-20.1	-19.2	-18.2	-17.2	-16.2	-15.2	-14.2	-13.2	-12.2	-11.1	-10.0	-8.8	-7.6	-6.7	-5.7	-4.4	-3.4	-2.3	-1.2	-0.3	0.4	1.4	2.0	2.5	3.1	3.9	4.6	5.2	5.7	6.2	6.4	6.3	6.0	5.5	4.6

20000

23.5

44.7

-2.5

20000

0.0

0.0

0.0

0.0

20000

12.4

3.3

Record #	Date	Time	Record Type	Cause #	TH Record
1	2017/03/09	07:53:41	Run	Key 1	1
2	2017/03/09	08:08:45	Stop	Key 1	18

Statistics

Level (dB)	Count	Percent
Under	0	0.00
67.8	36	0.04
67.9	135	0.15
68.0	124	0.14
68.1	113	0.13
68.2	272	0.30
68.3	173	0.19
68.4	254	0.28
68.5	425	0.47
68.6	255	0.28
68.7	330	0.37
68.8	378	0.42
68.9	582	0.64
69.0	739	0.82
69.1	812	0.90
69.2	872	0.96
69.3	1286	1.42
69.4	1012	1.12
69.5	1094	1.21
69.6	994	1.10
69.7	1394	1.54
69.8	1815	2.01
69.9	2122	2.35
70.0	1864	2.06
70.1	1736	1.92
70.2	1820	2.01
70.3	1924	2.13
70.4	2601	2.88
70.5	3140	3.47
70.6	3463	3.83
70.7	2671	2.96
70.8	2926	3.24
70.9	3060	3.39
71.0	2835	3.14
71.1	2012	2.23
71.2	2377	2.63
71.3	2295	2.54
71.4	2909	3.22
71.5	2283	2.53
71.6	1938	2.14
71.7	1950	2.16
71.8	2382	2.64
71.9	2004	2.22
72.0	1878	2.08
72.1	1712	1.89

72.2	1558	1.72
72.3	1277	1.41
72.4	1318	1.46
72.5	1478	1.64
72.6	1186	1.31
72.7	1060	1.17
72.8	1522	1.68
72.9	1509	1.67
73.0	1220	1.35
73.1	1028	1.14
73.2	1165	1.29
73.3	1086	1.20
73.4	853	0.94
73.5	671	0.74
73.6	529	0.59
73.7	631	0.70
73.8	674	0.75
73.9	628	0.69
74.0	399	0.44
74.1	306	0.34
74.2	271	0.30
74.3	427	0.47
74.4	282	0.31
74.5	95	0.11
74.6	80	0.09
74.7	95	0.11
74.8	92	0.10
74.9	85	0.09
75.0	86	0.10
75.1	101	0.11
75.2	126	0.14
75.3	84	0.09
75.4	37	0.04
75.5	22	0.02
75.6	26	0.03
75.7	27	0.03
75.8	25	0.03
75.9	41	0.05
76.0	39	0.04
76.1	44	0.05
76.2	29	0.03
76.3	25	0.03
76.4	24	0.03
76.5	23	0.03
76.6	23	0.03
76.7	26	0.03
76.8	23	0.03

76.9	33	0.04
77.0	48	0.05
77.1	52	0.06
77.2	33	0.04
77.3	37	0.04
77.4	17	0.02
77.5	19	0.02
77.6	19	0.02
77.7	14	0.02
77.8	13	0.01
77.9	11	0.01
78.0	12	0.01
78.1	13	0.01
78.2	14	0.02
78.3	12	0.01
78.4	11	0.01
78.5	13	0.01
78.6	12	0.01
78.7	13	0.01
78.8	11	0.01
78.9	14	0.02
79.0	13	0.01
79.1	16	0.02
79.2	21	0.02
79.3	19	0.02
79.4	20	0.02
79.5	16	0.02
79.6	20	0.02
79.7	13	0.01
79.8	16	0.02
79.9	19	0.02
80.0	23	0.03
80.1	16	0.02
80.2	14	0.02
80.3	19	0.02
80.4	21	0.02
80.5	10	0.01
80.6	8	0.01
80.7	9	0.01
80.8	7	0.01
80.9	9	0.01
81.0	8	0.01
81.1	8	0.01
81.2	9	0.01
81.3	8	0.01
81.4	9	0.01
81.5	8	0.01

81.6	10	0.01
81.7	8	0.01
81.8	11	0.01
81.9	10	0.01
82.0	12	0.01
82.1	15	0.02
82.2	15	0.02
82.3	17	0.02
82.4	15	0.02
82.5	14	0.02
82.6	13	0.01
82.7	13	0.01
82.8	14	0.02
82.9	12	0.01
83.0	10	0.01
83.1	16	0.02
83.2	32	0.04
Over	0	0.00

Total Count 90370

Marker

Record #	Date	Time	Duration	Run Time	Pause	LAeq	LAE	LASmin	LASmin Time	LASmax	LASmax Time	LApeak (max)	LApeak (max) Time	SPL 1 Count	Duration	SPL 2 Count	Duration	Peak 1 Count
1	2017/03/09	07:53:41	00:06:18.5	00:06:18.5	00:00:00.0	71.1	96.9	67.9	07:54:00	75.3	07:53:53	94.1	07:58:52	1	378.5	0	0.0	0
2	2017/03/09	08:00:00	00:08:45.2	00:08:45.2	00:00:00.0	72.2	99.4	67.8	08:05:28	83.2	08:04:20	102.0	08:08:39	0	525.2	0	0.0	0

Duration	Peak 2 Count	Duration	Peak 3 Count	Duration	LAS1.67	LAS8.33	LAS25.00	LAS33.30	LAS50.00	LAS90.00	SEA	LCeq	LAeq	LCeq - LAeq	LAeq	LAeq	LAeq-LAeq	# Overloads	Duration	# OBA Overloads	Duration
0.0	0	0.0	0	0.0	73.7	72.7	71.6	71.4	70.9	69.3	-99.9	80.1	71.1	9.0	71.8	71.1	0.7	0	0.0	1	378.5
0.0	0	0.0	0	0.0	77.2	73.8	72.6	72.2	71.4	69.8	-99.9	80.5	72.2	8.3	73.4	72.2	1.2	0	0.0	1	525.2

1/1 LAeq	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmax	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmin	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000
-6.1	22.3	38.1	51.3	55.8	58.7	62.0	67.9	64.7	55.5	45.0	33.4		2.9	32.4	45.9	63.1	64.2	66.3	68.6	72.0	68.2	65.0	54.1	48.5		-15.2	11.6	30.5	45.0	50.6	53.6	57.2	64.5	61.2	50.6	35.6	
-6.1	22.0	38.4	51.7	56.9	59.7	63.7	68.7	65.5	57.2	47.0	34.2		5.3	31.6	47.6	64.5	67.3	69.4	78.4	79.2	76.1	72.7	62.3	49.7		-15.8	11.4	31.2	44.1	50.5	54.1	57.3	64.5	61.8	52.2	36.9	

16000	1/3 LAeq 6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
13.9	-23.3	-15.5	-6.8	5.2	14.4	21.4	26.8	31.7	36.5	40.4	46.8	48.8	50.7	51.7	50.9	53.2	53.4	55.1	55.2	56.9	58.9	62.1	64.2	62.9	61.9	59.8	56.8	53.3	49.7	46.4	43.1	39.1	34.5	31.3	28.0	22.5
13.2	-23.8	-16.6	-6.7	4.5	13.9	21.2	26.4	31.9	36.8	40.7	45.4	50.2	51.0	52.5	52.6	54.1	55.1	55.7	58.3	58.4	60.1	62.8	65.0	63.7	62.6	60.5	58.0	55.1	51.2	48.9	44.7	41.2	36.9	31.5	29.5	24.1

1/3 LASmax	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	1/3 LASmin	6.3
-4.4	1.1	2.5	19.8	25.1	32.1	35.9	40.5	45.6	50.4	59.2	62.5	63.4	60.1	57.4	60.7	59.5	65.8	61.8	63.8	66.0	66.8	69.3	66.9	64.6	64.4	63.7	62.3	60.3	56.6	53.4	47.2	44.3	46.6	46.2	44.1	-30.1		
-3.7	-4.5	4.7	17.0	24.3	31.3	33.9	39.3	47.8	50.5	57.1	64.7	60.4	63.1	65.7	63.3	68.5	63.8	76.8	69.2	73.4	70.0	77.6	72.7	73.1	69.0	71.0	72.4	63.4	68.2	60.1	57.0	51.3	47.7	48.9	44.7	-30.1		

8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
-27.5	-16.7	-7.1	-0.1	10.0	17.9	24.2	28.4	32.1	25.6	37.7	43.7	44.9	45.3	47.1	46.9	49.2	50.6	51.3	54.4	58.3	60.6	59.8	58.1	56.4	52.3	48.6	44.5	40.3	34.4	28.0	20.0	12.5	6.2	-2.5
-27.5	-16.7	-7.6	0.2	10.4	18.0	23.2	29.4	33.4	36.2	41.3	42.6	44.5	46.5	47.6	47.8	50.0	49.3	51.8	54.3	58.7	60.4	59.7	58.8	56.7	53.6	50.1	46.2	41.5	35.5	29.2	20.8	11.9	4.4	-2.4

Summary

Filename 831_Data.076
Serial Number 3171
Model Model 831
Firmware Version 2.310
User
Location
Job Description
Note
Measurement Description
Start 2017/03/09 9:12:38
Stop 2017/03/09 9:27:51
Duration 0:15:12.4
Run Time 0:15:12.4
Pause 0:00:00.0

Pre Calibration 2015/12/10 6:55:39
Post Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamp PRM831
Microphone Correction Off
Integration Method Linear
OBA Range Low
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum Bin Max
Gain 20.0 dB
Overload 123.9 dB

	A	C	Z
Under Range Peak	56.4	53.4	58.4 dB
Under Range Limit	24.7	25.1	32.2 dB
Noise Floor	15.5	15.9	20.8 dB

Results

L_{Aeq} 66.5 dB
L_{AE} 96.1 dB
E_A 448.578 $\mu\text{Pa}^2\text{h}$
L_{Apeak} (max) 2017/03/09 9:21:00 92.9 dB
L_{ASmax} 2017/03/09 9:21:15 75.8 dB
L_{ASmin} 2017/03/09 9:26:59 59.3 dB
SEA -99.9 dB

LAS > 65.0 dB (Exceedence Counts / Duration)	23	754.9 s
LAS > 85.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedence 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	LNight 22:00-07:00
	66.5	66.5	-99.9	66.5	66.5	-99.9	-99.9
LCeq	74.5 dB						
LAeq	66.5 dB						
LCeq - LAeq	8.0 dB						
LAeq	68.2 dB						
LAeq	66.5 dB						
LAeq - LAeq	1.8 dB						
# Overloads	0						
Overload Duration	0.0 s						
# OBA Overloads	50						
OBA Overload Duration	247.9 s						

Statistics	
LAS1.67	70.9 dB
LAS8.33	69.1 dB
LAS25.00	67.2 dB
LAS33.30	66.6 dB
LAS50.00	65.8 dB
LAS90.00	63.2 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100
PRM831	2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4
Direct	2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5
Direct	2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5
Direct	2015/12/08 6:55:30	-26.5	62.7	48.6	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9
Direct	2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	41.3	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2
Direct	2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9
Direct	2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3
Direct	2015/12/02 6:56:51	-26.6	54.3	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5
Direct	2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1
Direct	2015/12/01 6:52:05	-26.5	44.0	43.8	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9
Direct	2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1
PRM831	2017/03/09 7:33:19	-26.5	68.3	61.2	72.6	65.1	72.3	59.8	59.2	58.7	61.7	69.1	63.9	67.6	60.4
PRM831	2017/03/02 2:25:00	-26.5	70.1	78.8	63.7	66.2	65.1	67.4	61.6	64.9	63.7	61.7	58.3	55.2	62.9
PRM831	2017/03/02 2:24:44	-26.5	72.5	74.2	80.5	76.8	66.4	76.9	73.0	74.2	71.5	67.9	65.1	63.7	60.7
PRM831	2017/02/26 7:27:13	-26.4	39.3	47.2	45.1	47.5	46.6	49.2	42.7	43.7	48.1	46.4	41.4	41.0	54.9
PRM831	2017/02/26 7:26:46	-26.4	52.4	48.0	56.7	69.3	62.9	53.9	51.1	47.5	41.8	50.5	46.5	43.4	44.5
PRM831	2017/02/14 13:09:26	-26.5	52.8	58.5	65.4	70.6	76.9	64.3	55.1	56.6	59.7	61.4	66.4	63.8	56.8

PRM831	2017/02/14 13:09:05	-26.5	76.5	80.9	88.4	87.6	106.1	85.5	76.7	78.1	79.8	84.0	86.3	80.6	76.4
PRM831	2017/02/13 9:04:58	-46.5	84.0	76.9	82.2	85.9	83.1	75.7	71.1	72.3	73.1	75.4	83.9	88.1	77.1
PRM831	2017/02/13 9:04:10	-46.5	76.2	77.5	85.2	87.0	83.6	86.7	69.7	73.9	73.1	76.5	86.1	84.1	79.2
PRM831	2017/02/13 9:03:51	-46.5	58.7	59.7	59.8	72.3	73.6	65.3	61.1	61.5	67.4	62.9	68.2	62.1	65.1
PRM831	2016/12/29 20:01:16	-26.5	93.3	107.2	73.7	56.3	47.6	44.6	44.8	46.6	39.0	32.9	36.0	31.0	29.9
Unknown	2015/08/25 6:57:04	-26.4	40.8	33.8	36.9	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9
Unknown	2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4

125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1	
27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0	
41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0	
42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0	
32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0	
26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0	
28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9	
28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0	
34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0	
35.5	28.1	27.9	27.4	26.2	34.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4	
27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0	
59.6	55.0	51.1	52.6	54.5	51.6	50.3	45.9	36.5	114.0	49.0	28.3	64.7	29.5	59.0	33.1	33.9	34.0	35.5	36.9	37.8	38.9	
57.2	51.4	55.8	59.0	57.4	54.3	53.7	49.7	33.3	114.0	49.0	28.0	65.0	30.4	59.0	32.7	33.5	34.4	35.4	36.8	37.8	38.9	
56.4	50.1	51.7	47.0	52.0	63.4	59.5	47.5	31.0	113.9	48.8	28.6	64.8	30.6	58.8	33.2	33.4	34.3	35.5	36.6	37.9	39.2	
45.9	42.5	58.2	55.9	57.1	58.7	56.3	46.8	34.6	114.0	49.0	28.9	65.1	30.5	59.1	33.5	33.8	34.4	35.5	36.7	37.7	39.2	
48.6	47.2	57.3	54.0	55.0	55.6	51.1	47.9	40.2	114.1	49.2	28.6	65.1	30.1	59.2	33.1	33.8	34.4	35.8	37.0	37.9	39.3	
60.2	49.7	51.9	52.1	46.7	43.2	47.0	40.9	37.1	114.0	49.2	29.3	64.6	30.2	59.5	33.0	33.6	34.4	35.8	36.6	37.9	38.9	

79.8	76.6	75.3	77.5	68.3	67.8	67.0	60.9	61.3	134.0	69.2	48.7	84.6	50.7	79.5	52.9	53.7	54.4	55.3	57.0	57.6	58.9
79.6	71.1	70.2	67.5	64.6	61.2	62.1	56.2	51.9	114.0	52.4	50.2	53.2	49.7	58.5	51.5	52.7	54.4	55.1	56.3	57.7	58.8
74.6	70.9	70.7	71.2	65.3	68.8	64.8	57.5	55.1	113.9	51.8	48.9	53.1	50.1	58.5	52.1	53.0	54.0	55.2	56.6	57.5	58.9
62.2	53.0	55.6	47.9	48.7	50.6	52.3	49.3	45.6	93.9	34.5	30.3	33.0	29.3	38.6	32.0	33.3	34.9	35.7	36.5	37.6	38.6
25.8	28.1	29.3	27.5	25.6	25.2	25.5	24.9	30.6	114.0	48.9	29.2	64.6	30.4	59.2	33.5	34.2	34.3	35.8	36.9	37.9	39.1
47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1
24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3

1/1 Octave

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
Overall 1/1 Spectra	-7.1	20.6	32.2	44.2	50.7	54.0	57.5	64.0	59.0	49.1	35.9	24.2
Max 1/1 Spectra	4.2	34.5	42.0	62.1	60.4	63.0	70.3	73.1	70.6	65.0	50.5	40.5
Min 1/1 Spectra	-19.3	5.9	21.4	32.8	40.7	43.9	47.2	56.9	51.4	39.2	20.5	3.3

1/3 Octave

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
Overall 1/3 Spectra	-25.3	-16.9	-7.7	4.3	13.4	19.5	23.5	27.3	29.6	33.1	37.6	42.7	43.9	46.3	47.0	48.8	49.5	49.6	50.1	52.6	54.5	57.9	60.6	58.9	56.0	54.0	51.7	47.3	43.1	38.7	34.0	30.0	25.2	22.1	18.9
Max 1/3 Spectra	-14.1	-6.0	3.7	17.9	27.8	34.3	35.0	37.4	40.4	41.4	51.6	62.1	58.4	57.4	58.9	59.1	59.2	61.9	64.7	68.3	66.5	66.9	70.8	65.3	65.8	67.5	63.5	63.9	59.6	50.8	47.8	46.8	42.2	38.2	35.8
Min 1/3 Spectra	-30.1	-29.0	-20.4	-9.9	-1.8	3.8	11.3	15.7	18.0	22.7	26.9	30.4	34.5	35.9	36.8	38.6	39.7	38.6	39.1	41.2	45.4	49.9	53.1	51.7	48.8	46.1	42.4	37.5	32.5	26.8	19.3	11.5	4.9	0.9	-2.4

1/1 OBA Ref. Spectra

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/3 OBA Ref. Spectra

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1/1 OBA Under Range

Frequency (Hz)	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000
A Weighting	-5.2	-2.2	0.8	4.0	7.3	10.8	15.2	17.3	17.8	19.6	20.2	18.5
Noise Floor	-14.3	-11.4	-8.3	-5.2	-1.8	1.6	4.7	6.9	8.7	10.5	11.0	9.3

1/3 OBA Under Range

Frequency (Hz)	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000
A Weighting	-11.0	-9.8	-9.1	-8.1	-7.1	-6.1	-5.0	-4.0	-3.0	-2.0	-0.8	0.3	1.5	2.4	3.4	5.3	5.7	6.8	7.9	8.9	9.5	10.6	11.1	11.6	12.2	13.1	13.7	14.4	14.8	15.3	15.5	15.5	15.2	14.6	13.7
Noise Floor	-20.1	-19.2	-18.2	-17.2	-16.2	-15.2	-14.2	-13.2	-12.2	-11.1	-10.0	-8.8	-7.6	-6.7	-5.7	-4.4	-3.4	-2.3	-1.2	-0.3	0.4	1.4	2.0	2.5	3.1	3.9	4.6	5.2	5.7	6.2	6.4	6.3	6.0	5.5	4.6

20000

12.1

28.4

-6.0

20000

0.0

0.0

0.0

0.0

20000

12.4

3.3

Record #	Date	Time	Record Type	Cause	#	TH Record
1	2017/03/09	09:12:38	Run	Power	1	1
2	2017/03/09	09:27:51	Stop	Key	1	18

Statistics

Level (dB)	Count	Percent
Under	0	0.00
59.3	4	0.00
59.4	27	0.03
59.5	48	0.05
59.6	164	0.18
59.7	61	0.07
59.8	34	0.04
59.9	31	0.03
60.0	36	0.04
60.1	33	0.04
60.2	34	0.04
60.3	26	0.03
60.4	21	0.02
60.5	18	0.02
60.6	21	0.02
60.7	18	0.02
60.8	20	0.02
60.9	86	0.09
61.0	59	0.06
61.1	27	0.03
61.2	172	0.19
61.3	62	0.07
61.4	104	0.11
61.5	223	0.24
61.6	172	0.19
61.7	142	0.16
61.8	152	0.17
61.9	242	0.27
62.0	323	0.35
62.1	412	0.45
62.2	531	0.58
62.3	601	0.66
62.4	459	0.50
62.5	398	0.44
62.6	516	0.57
62.7	678	0.74
62.8	647	0.71
62.9	621	0.68
63.0	624	0.68
63.1	908	1.00
63.2	1100	1.21
63.3	1200	1.32
63.4	1378	1.51
63.5	1361	1.49
63.6	1485	1.63

63.7	1410	1.55
63.8	1346	1.48
63.9	1370	1.50
64.0	1242	1.36
64.1	1176	1.29
64.2	1248	1.37
64.3	1396	1.53
64.4	1481	1.62
64.5	1481	1.62
64.6	1281	1.40
64.7	1273	1.40
64.8	1387	1.52
64.9	1610	1.76
65.0	1856	2.03
65.1	1423	1.56
65.2	1370	1.50
65.3	1481	1.62
65.4	1608	1.76
65.5	1539	1.69
65.6	1391	1.52
65.7	1614	1.77
65.8	1727	1.89
65.9	1424	1.56
66.0	1556	1.71
66.1	1499	1.64
66.2	1979	2.17
66.3	1810	1.98
66.4	2068	2.27
66.5	1911	2.09
66.6	1891	2.07
66.7	1661	1.82
66.8	1567	1.72
66.9	1448	1.59
67.0	1317	1.44
67.1	1257	1.38
67.2	1094	1.20
67.3	1212	1.33
67.4	903	0.99
67.5	1028	1.13
67.6	1007	1.10
67.7	905	0.99
67.8	890	0.98
67.9	1024	1.12
68.0	710	0.78
68.1	626	0.69
68.2	681	0.75
68.3	692	0.76

68.4	672	0.74
68.5	618	0.68
68.6	626	0.69
68.7	597	0.65
68.8	615	0.67
68.9	605	0.66
69.0	547	0.60
69.1	458	0.50
69.2	566	0.62
69.3	444	0.49
69.4	446	0.49
69.5	492	0.54
69.6	346	0.38
69.7	423	0.46
69.8	379	0.42
69.9	311	0.34
70.0	297	0.33
70.1	325	0.36
70.2	309	0.34
70.3	241	0.26
70.4	212	0.23
70.5	233	0.26
70.6	216	0.24
70.7	219	0.24
70.8	191	0.21
70.9	186	0.20
71.0	152	0.17
71.1	82	0.09
71.2	88	0.10
71.3	68	0.07
71.4	62	0.07
71.5	53	0.06
71.6	44	0.05
71.7	50	0.05
71.8	50	0.05
71.9	42	0.05
72.0	41	0.04
72.1	42	0.05
72.2	41	0.04
72.3	44	0.05
72.4	55	0.06
72.5	55	0.06
72.6	86	0.09
72.7	43	0.05
72.8	23	0.03
72.9	43	0.05
73.0	49	0.05

73.1	42	0.05
73.2	58	0.06
73.3	30	0.03
73.4	49	0.05
73.5	17	0.02
73.6	5	0.01
73.7	3	0.00
73.8	5	0.01
73.9	3	0.00
74.0	3	0.00
74.1	4	0.00
74.2	3	0.00
74.3	3	0.00
74.4	4	0.00
74.5	3	0.00
74.6	4	0.00
74.7	3	0.00
74.8	3	0.00
74.9	3	0.00
75.0	5	0.01
75.1	3	0.00
75.2	7	0.01
75.3	8	0.01
75.4	9	0.01
75.5	11	0.01
75.6	10	0.01
75.7	4	0.00
75.8	2	0.00
Over	0	0.00

Total Count 91240

Marker

Record #	Date	Time	Duration	Run Time	Pause	LAeq	LAE	LASmin	LASmin Time	LASmax	LASmax Time	LApeak (max)	LApeak (max) Time	SPL 1 Count	Duration	SPL 2 Count	Duration	Peak 1 Count
1	2017/03/09	09:12:38	00:02:21.2	00:02:21.2	00:00:00.0	65.4	86.9	62.0	09:13:38	70.6	09:14:20	83.0	09:14:19	6	95.6	0	0.0	0
2	2017/03/09	09:15:00	00:12:51.2	00:12:51.2	00:00:00.0	66.6	95.5	59.3	09:26:59	75.8	09:21:15	92.9	09:21:00	17	659.3	0	0.0	0

Duration	Peak 2 Count	Duration	Peak 3 Count	Duration	LAS1.67	LAS8.33	LAS25.00	LAS33.30	LAS50.00	LAS90.00	SEA	LCeq	LAeq	LCeq - LAeq	LAeq	LAeq	LAeq-LAeq	# Overloads	Duration	# OBA Overloads	Duration
0.0	0	0.0	0	0.0	69.9	68.0	66.1	65.4	64.7	63.2	-99.9	72.9	65.4	7.5	66.3	65.4	0.9	0	0.0	4	12.9
0.0	0	0.0	0	0.0	71.1	69.3	67.3	66.8	66.0	63.2	-99.9	74.7	66.6	8.1	68.5	66.6	1.9	0	0.0	46	235.0

1/1 LAeq	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmax	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16000	1/1 LASmin	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000
	-7.2	16.6	30.7	42.4	49.4	53.9	55.2	63.1	58.4	47.7	32.7	15.4		1.6	23.5	39.1	51.6	56.5	63.0	61.4	67.9	63.8	56.0	41.2	28.5		-15.3	7.8	22.2	35.7	43.4	47.8	50.1	59.8	54.6	42.5	24.0
	-7.1	21.0	32.5	44.5	50.9	54.1	57.8	64.2	59.1	49.3	36.3	24.8		4.2	34.5	42.0	62.1	60.4	62.2	70.3	73.1	70.6	65.0	50.5	40.5		-19.3	5.9	21.4	32.8	40.7	43.9	47.2	56.9	51.4	39.2	20.5

16000	1/3 LAeq	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
3.3	-27.0	-18.6	-7.5	1.1	9.4	15.5	22.0	25.5	28.2	32.4	37.9	40.0	42.0	44.9	46.2	48.2	49.6	49.6	49.3	49.0	52.3	56.3	59.6	58.4	55.6	53.0	51.1	45.7	41.7	37.2	31.4	25.5	20.5	13.8	8.5	1.5	
3.4	-25.1	-16.7	-7.7	4.7	13.8	19.9	23.7	27.6	29.8	33.2	37.5	43.1	44.2	46.5	47.1	48.9	49.4	49.6	50.2	53.0	54.8	58.1	60.8	58.9	56.1	54.1	51.8	47.5	43.3	38.9	34.3	30.5	25.7	22.7	19.5	12.8	

1/3 LASmax 6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	1/3 LASmin 6.3
-16.7	-8.7	1.7	7.5	16.9	22.6	34.5	34.6	37.5	39.2	48.2	51.9	48.9	51.5	55.9	56.7	59.2	60.4	59.3	55.1	58.1	62.3	64.8	63.5	60.0	59.2	58.1	53.8	50.4	47.3	40.3	38.9	36.2	27.0	21.8	13.2	-30.1
-14.1	-6.0	3.7	17.9	27.8	34.3	35.0	37.4	40.4	41.4	51.6	62.1	58.4	57.4	58.9	59.1	58.3	61.9	64.7	68.3	66.5	66.9	70.8	65.3	65.8	67.5	63.5	63.9	59.6	50.8	47.8	46.8	42.2	38.2	35.8	28.4	-30.1

8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
-28.9	-16.5	-7.4	0.7	5.7	11.5	16.9	20.0	25.8	29.3	32.3	37.1	38.2	39.4	42.6	42.7	42.2	41.9	43.7	47.5	51.6	55.9	54.7	51.7	49.6	46.0	41.1	35.4	29.6	23.1	14.1	5.4	0.9	-2.4	-5.7
-29.0	-20.4	-9.9	-1.8	3.8	11.3	15.7	18.0	22.7	26.9	30.4	34.5	35.9	36.8	38.6	39.7	38.6	39.1	41.2	45.4	49.9	53.1	51.7	48.8	46.1	42.4	37.5	32.5	26.8	19.3	11.5	4.9	0.9	-2.3	-6.0