

APPENDIX 10.7.3

NOISE

Sound Level Meter Calibration Reports

Certificate of Calibration and Conformance

Certificate Number 2013-174283

Instrument Model 824, Serial Number A3106, was calibrated on 16MAY2013. The instrument meets factory specifications per Procedure D0001.8046, IEC 61672-1:2002 Class 1; IEC 60651-2001, 60804-2000 and ANSI S1.4-1983 Type 1 1/3, 1/1 Oct. Filters; S1.11-1986 Type 1C; IEC61260-am1-2001 Class 1 .

Instrument found to be in calibration as received: YES

Date Calibrated: 16MAY2013

Calibration due: 16MAY2014

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	LDSigGn/2209	0617 / 0104	12 Months	16JAN2014	2013-168816

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 32 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

"As received" data is the same as shipped data.

Tested with PRM902 S/N 3275

Signed:



Technician: Sean Childs

Certificate of Calibration and Conformance

Certificate Number 2013-174087

Instrument Model CAL200, Serial Number 5636, was calibrated on 14MAY2013. The instrument meets factory specifications per Procedure D0001.8190, IEC 60942:2003.

Instrument found to be in calibration as received: YES

Date Calibrated: 14MAY2013

Calibration due: 14MAY2014

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	2559	2506	12 Months	11JUN2013	19157-1
Hewlett Packard	34401A	3146A10352	12 Months	28AUG2013	5778699
Larson Davis	PRM902	0480	12 Months	07SEP2013	2012-163567
Larson Davis	MTS1000/2201	0111	12 Months	07SEP2013	SM070912-3
Larson Davis	PRM915	0112	12 Months	08OCT2013	2012-164811
PCB	1502B02FJ15PSIA	1342	12 Months	14JAN2014	3441014716
Larson Davis	2900	0661	12 Months	08APR2014	2013-172252

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Environmental test conditions as shown on calibration report.

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

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Before: 113.97 dB, 93.93 dB, 1000.1 Hz @ sea level.

After: Refer to Certificate of Measured Output.

Signed: 
Technician: Scott Montgomery

Certificate of Calibration and Conformance

Certificate Number 2013-174052

Microphone Model 2560, Serial Number 3424, was calibrated on 13MAY2013. The microphone meets factory specifications per Test Procedure D0001.8167.

Instrument found to be in calibration as received: YES

Date Calibrated: 13MAY2013

Calibration due: 13MAY2014

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	2559	2506	12 Months	11JUN2013	19157-1
Larson Davis	2900	0575	12 Months	26JUL2013	2012-162047
Larson Davis	PRM902	0206	12 Months	14AUG2013	2012-162575
Larson Davis	2559	3034LF	12 Months	14AUG2013	2012-162596
Larson Davis	MTS1000 / 2201	1000 / 0100	12 Months	07SEP2013	SM070912-2
Larson Davis	PRM902	0529	12 Months	07SEP2013	2012-163529
Larson Davis	PRM902	0528	12 Months	10SEP2013	2012-163530
Hewlett Packard	34401A	3146A62099	12 Months	26NOV2013	5884920
Larson Davis	PRM915	0102	12 Months	04DEC2013	2012-167168
Larson Davis	PRM916	0102	12 Months	13DEC2013	2012-167454
Larson Davis	CAL250	42630	12 Months	04JAN2014	2013-168402

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Environmental test conditions as printed on microphone calibration chart.

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

"AS RECEIVED" data is the same as shipped data.

Signed: Abraham Ortega
Technician: Abraham Ortega

Certificate of Calibration and Conformance

Certificate Number 2013-174281

Instrument Model PRM902, Serial Number 3275, was calibrated on 16MAY2013. The instrument meets factory specifications per Procedure D0001.8126.

Instrument found to be in calibration as received: YES

Date Calibrated: 16MAY2013

Calibration due: 16MAY2014

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Hewlett Packard	34401A	US36033460	12 Months	27JUN2013	5708507
Larson Davis	LDSigGn/2209	0617 / 0104	12 Months	16JAN2014	2013-168816

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 32 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

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"As received" data is the same as shipped data.

Signed: 

Technician: Sean Childs

Local Weather Conditions During Noise Measurements

weather.gov



Weather observations for the past three days

Fort Lauderdale / Hollywood Intl Airport



Enter Your "City, ST" or zip code

metric en español

Date Time Wind Vis. Weather Sky Cond.	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)				Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)		
						Air	Dwpt	6 hour Max. Min.					altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr
23	16:53	W 7	3.00	Light Rain	FEW030 BKN065 BKN100	83	75			77%	NA	90	29.83	1010.1	0.03	0.07	
23	15:53	S 6	10.00	Partly Cloudy	FEW035 SCT100	82	76			82%	NA	89	29.84	1010.4	0.04		
23	14:53	SW 8	10.00	Mostly Cloudy	BKN034 BKN043	83	73			72%	NA	89	29.83	1010.1			
23	10:53	W 10	10.00	A Few Clouds	FEW026	85	70			61%	NA	90	29.89	1012.0			
23	09:53	NW 8	10.00	A Few Clouds	FEW025	83	72			70%	NA	88	29.89	1012.0			
23	08:53	SW 5	10.00	A Few Clouds	FEW025	79	73			82%	NA	82	29.87	1011.5			
23	07:53	SW 3	10.00	A Few Clouds	FEW013	78	75	80	77	90%	NA	80	29.87	1011.5			
23	06:53	SW 6	8.00	Mostly Cloudy	FEW008 BKN013	77	75			94%	NA	78	29.86	1011.1			
23	05:53	Calm	10.00	Partly Cloudy	FEW020 SCT060	78	76			93%	NA	81	29.84	1010.4			
23	04:53	Calm	10.00	A Few Clouds	FEW020	78	76			93%	NA	81	29.84	1010.3			
23	03:53	SW 3	10.00	A Few Clouds	FEW021	78	76			93%	NA	81	29.83	1010.1			
23	02:53	S 5	10.00	A Few Clouds	FEW022	79	76			90%	NA	83	29.84	1010.2			
23	01:53	SW 5	10.00	A Few Clouds	FEW026	79	76	83	79	90%	NA	83	29.85	1010.9			
23	00:53	SW 6	10.00	Mostly Cloudy	FEW023 BKN100	81	75			82%	NA	87	29.87	1011.5			
22	23:53	W 7	10.00	Mostly Cloudy	FEW026 BKN100	81	75			82%	NA	87	29.89	1012.0			
22	22:53	SW 8	10.00	Partly Cloudy	FEW026 SCT032	82	74			77%	NA	88	29.89	1012.2			
22	21:53	SW 5	10.00	A Few Clouds	FEW030	82	75			79%	NA	89	29.88	1011.8			
22	20:53	S 7	10.00	A Few Clouds	FEW035	83	76			79%	NA	91	29.87	1011.5			
22	19:53	S 9	10.00	A Few Clouds	FEW030	83	75	88	83	77%	NA	90	29.86	1010.9			
22	18:53	S 9	10.00	A Few Clouds	FEW030	84	75			74%	NA	92	29.85	1010.7			
22	17:53	S 8	10.00	A Few Clouds	FEW029	86	75			70%	NA	95	29.85	1010.7			
22	16:53	S 10	10.00	A Few Clouds	FEW029	87	74			65%	NA	95	29.85	1010.8			
22	15:53	SW 10	10.00	A Few Clouds	FEW028	87	73			63%	NA	94	29.86	1011.2			

22	14:53	S 9	10.00	Mostly Cloudy	FEW027 BKN100	86	73			65%	NA	93	29.88	1011.6		
22	13:53	S 7	10.00	Mostly Cloudy	FEW027 SCT034 BKN110	85	77	87	79	77%	NA	96	29.89	1012.2	0.05	0.05
22	12:53	SE 12	10.00	Overcast	BKN027 BKN038 OVC048	85	74			70%	NA	93	29.91	1012.8		
22	11:53	S 8	10.00	Partly Cloudy	FEW015 SCT025	86	75			70%	NA	95	29.93	1013.4		
22	10:53	SE 13	10.00	Partly Cloudy	SCT021	85	74			70%	NA	93	29.94	1013.8		
22	09:53	S 5	10.00	A Few Clouds	FEW024	83	75			77%	NA	90	29.95	1014.1		
22	08:53	Calm	10.00	Partly Cloudy	SCT024	80	74			82%	NA	85	29.94	1013.9		
22	07:53	Calm	10.00	Partly Cloudy	SCT024	78	73	80	77	85%	NA	80	29.94	1013.6		
22	06:53	Calm	10.00	A Few Clouds	FEW024	78	74			87%	NA	80	29.94	1013.8		
22	05:53	Calm	10.00	A Few Clouds	FEW024	78	73			85%	NA	80	29.93	1013.3		
22	04:53	Calm	10.00	A Few Clouds	FEW024	79	74			85%	NA	83	29.93	1013.3		
22	03:53	S 3	10.00	A Few Clouds	FEW023	79	75			88%	NA	83	29.93	1013.5		
22	02:53	S 3	10.00	A Few Clouds	FEW023	78	74			87%	NA	80	29.95	1014.0		
22	01:53	Calm	10.00	A Few Clouds	FEW023	78	74	83	78	87%	NA	80	29.96	1014.3		
22	00:53	Calm	10.00	A Few Clouds	FEW022	79	74			85%	NA	83	29.96	1014.5		
21	23:53	W 6	10.00	Mostly Cloudy	FEW019 SCT025 BKN048	79	75			88%	NA	83	29.98	1015.0		
21	22:53	S 6	10.00	Partly Cloudy	SCT060 SCT070	82	75			79%	NA	89	29.98	1015.1		
21	21:53	Vrbl 7	10.00	Overcast	BKN050 OVC060	82	75			79%	NA	89	29.97	1015.0		
21	20:53	S 7	10.00	Partly Cloudy	FEW040 SCT100	82	74			77%	NA	88	29.96	1014.5		
21	19:53	S 5	10.00	Mostly Cloudy	FEW040 BKN100	83	74	88	82	74%	NA	90	29.95	1014.1		
21	18:53	SE 8	10.00	Partly Cloudy	FEW045 SCT065	83	75			77%	NA	90	29.93	1013.4		
21	17:53	SE 12	10.00	A Few Clouds	FEW045	84	72			67%	NA	90	29.92	1013.1		
21	16:53	SE 15	10.00	A Few Clouds	FEW045	85	73			68%	NA	92	29.91	1012.9		
21	15:53	SE 13	10.00	A Few Clouds	FEW045	86	72			63%	NA	92	29.92	1013.0		
21	14:53	SE 13	10.00	Partly Cloudy	FEW026 SCT045	87	73			63%	NA	94	29.93	1013.3		
21	13:53	SE 13	10.00	Partly Cloudy	FEW026 SCT055	87	74	87	80	65%	NA	95	29.95	1014.2		
21	12:53	SE 13	10.00	Mostly Cloudy	SCT026 SCT031 BKN100	86	74			67%	NA	94	29.98	1015.0		
21	11:53	SE 6	10.00	Mostly Cloudy	FEW023 BKN050	84	75			74%	NA	92	30.00	1015.9		
21	10:53	S 9	10.00			83	76			79%	NA	91	30.01	1016.1		

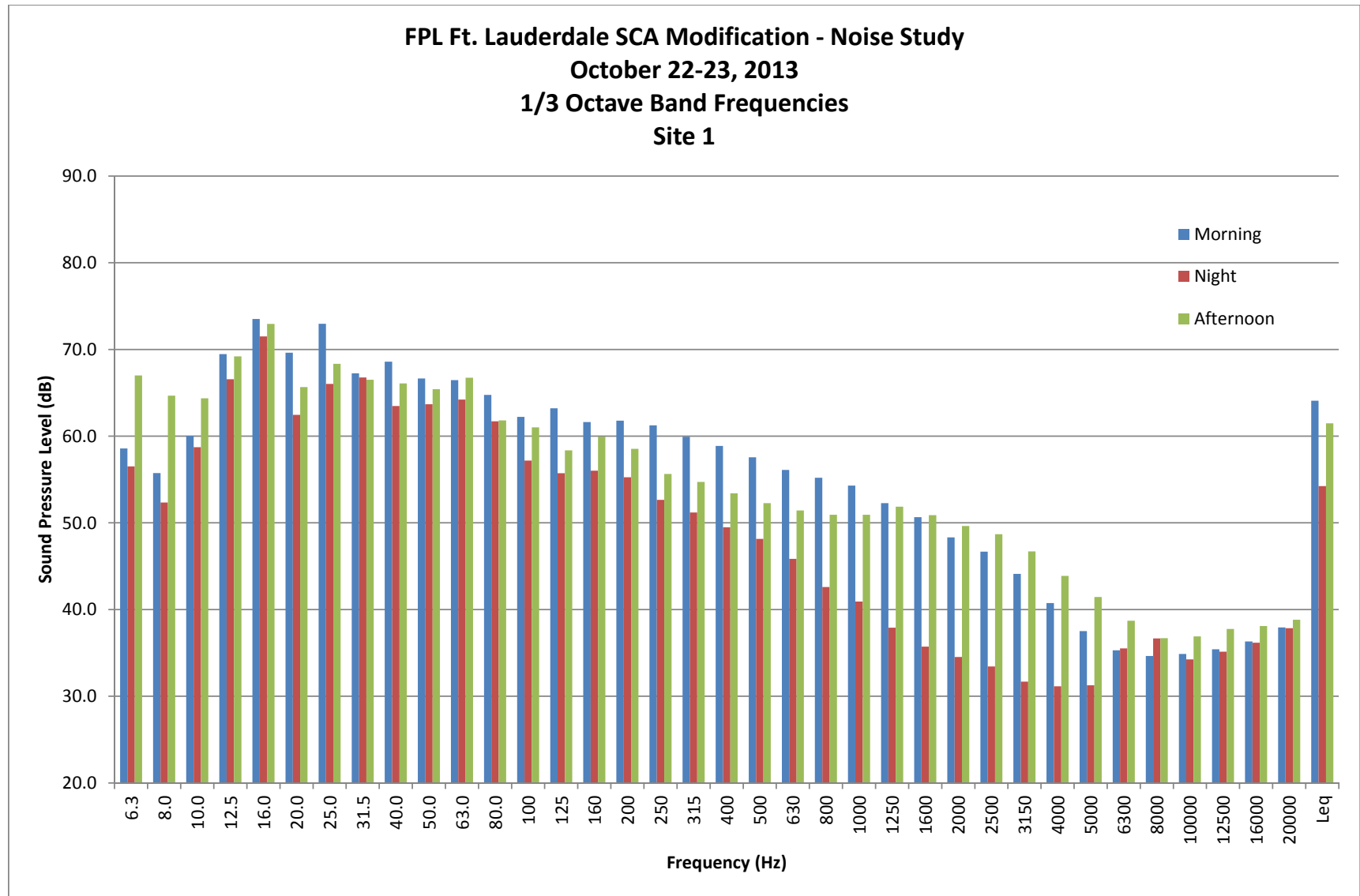
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21	09:53	SE 9	10.00	Partly Cloudy	SCT021	84	75			74%	NA	92	30.00	1016.0					
21	08:53	S 3	10.00	A Few Clouds	FEW023	82	75			79%	NA	89	29.99	1015.5					
21	07:53	SE 3	10.00	A Few Clouds	FEW023	80	75	80	78	85%	NA	85	29.98	1015.1					
21	06:53	S 3	10.00	Mostly Cloudy	FEW023 SCT045 BKN095	80	75			85%	NA	85	29.97	1014.9					
21	05:53	Calm	10.00	Mostly Cloudy	FEW023 BKN090	79	75			88%	NA	83	29.96	1014.5					
21	04:53	Calm	10.00	Mostly Cloudy	SCT020 SCT065 BKN085	78	75			90%	NA	80	29.95	1014.0					
21	03:53	SE 3	10.00	Mostly Cloudy	FEW020 SCT065 BKN090	79	74			85%	NA	83	29.94	1013.9					
21	02:53	Calm	10.00	Mostly Cloudy	FEW065 BKN085	79	73			82%	NA	82	29.94	1013.9					
21	01:53	S 6	10.00	Overcast	SCT065 BKN080 OVC100	78	74	79	77	87%	NA	80	29.95	1014.0				0.06	
21	00:53	S 5	10.00	Mostly Cloudy	FEW010 BKN065 BKN080	79	75			88%	NA	83	29.96	1014.4					
20	23:53	Calm	10.00	Overcast	OVC065	77	73			88%	NA	78	29.97	1014.7					
20	22:53	SE 8	10.00	Overcast	OVC065	78	73			85%	NA	80	29.97	1014.9	0.05	0.06			
20	21:53	E 10	8.00	Light Rain	FEW041 OVC049	78	74			87%	NA	80	29.96	1014.5	0.01				
20	20:53	E 12	10.00	Overcast	BKN041 OVC060	79	75			88%	NA	83	29.95	1014.0					
20	19:53	E 9	10.00	Overcast	BKN041 OVC050	78	77	87	76	97%	NA	81	29.93	1013.6				2.02	
20	18:53	SE 7	10.00	Overcast	OVC034	77	77			100%	NA	78	29.93	1013.3	0.42				
20	17:53	SW 8	0.25	Thunderstorm Heavy Rain Fog	BKN009 OVC022	77	76			96%	NA	78	29.92	1013.1	1.60				
Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Air Temp	Dwpt	Max.	Min.	Relative Humidity	Wind Chill (°F)	Heat Index (°F)	altimeter (in.)	sea level (mb)	1 hr	3 hr	6 hr	Precipitation (in.)	
								6 hour											
						Temperature (°F)						Pressure		Precipitation (in.)					

National Weather Service
Southern Region Headquarters
Fort Worth, Texas
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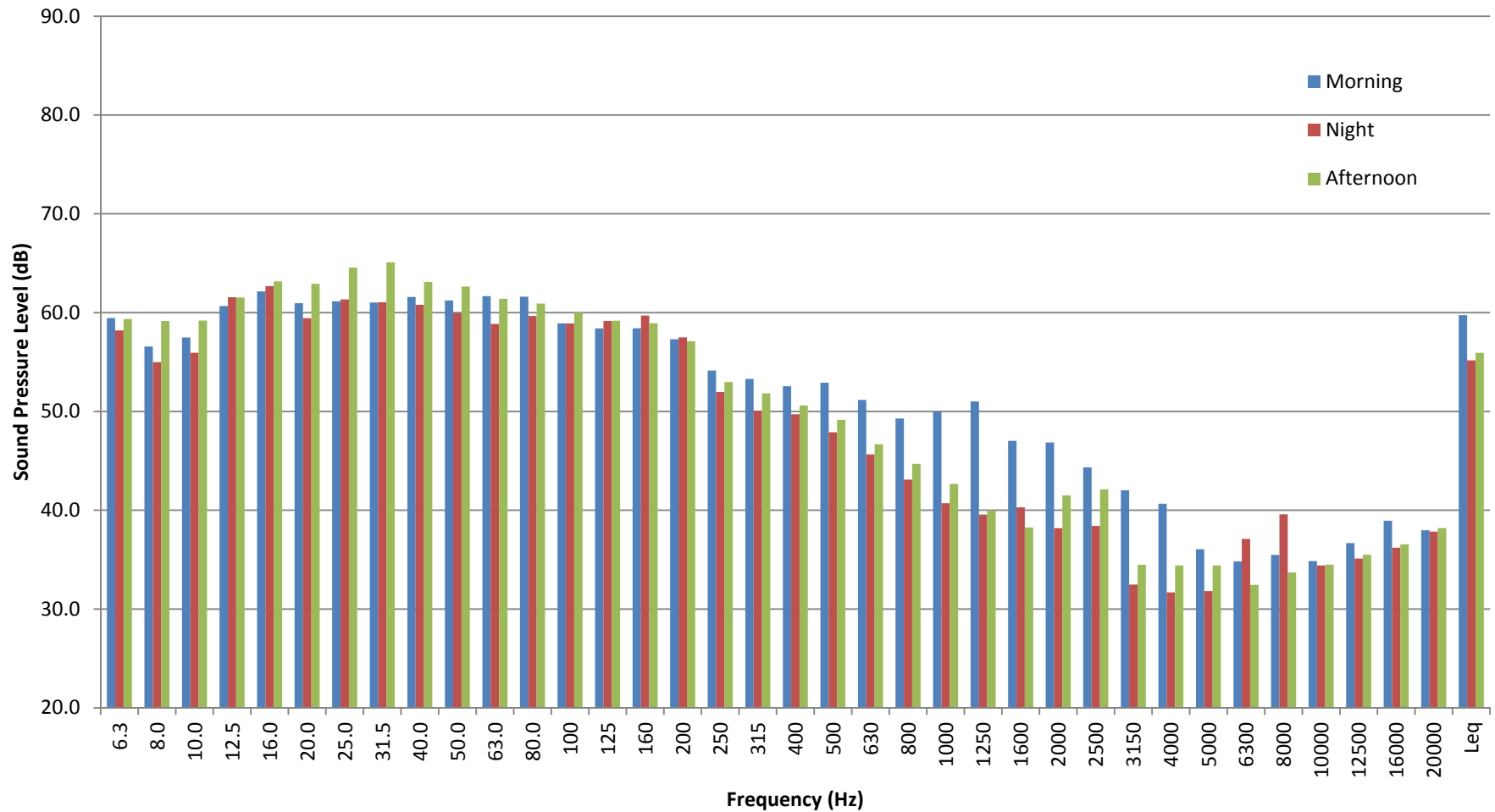
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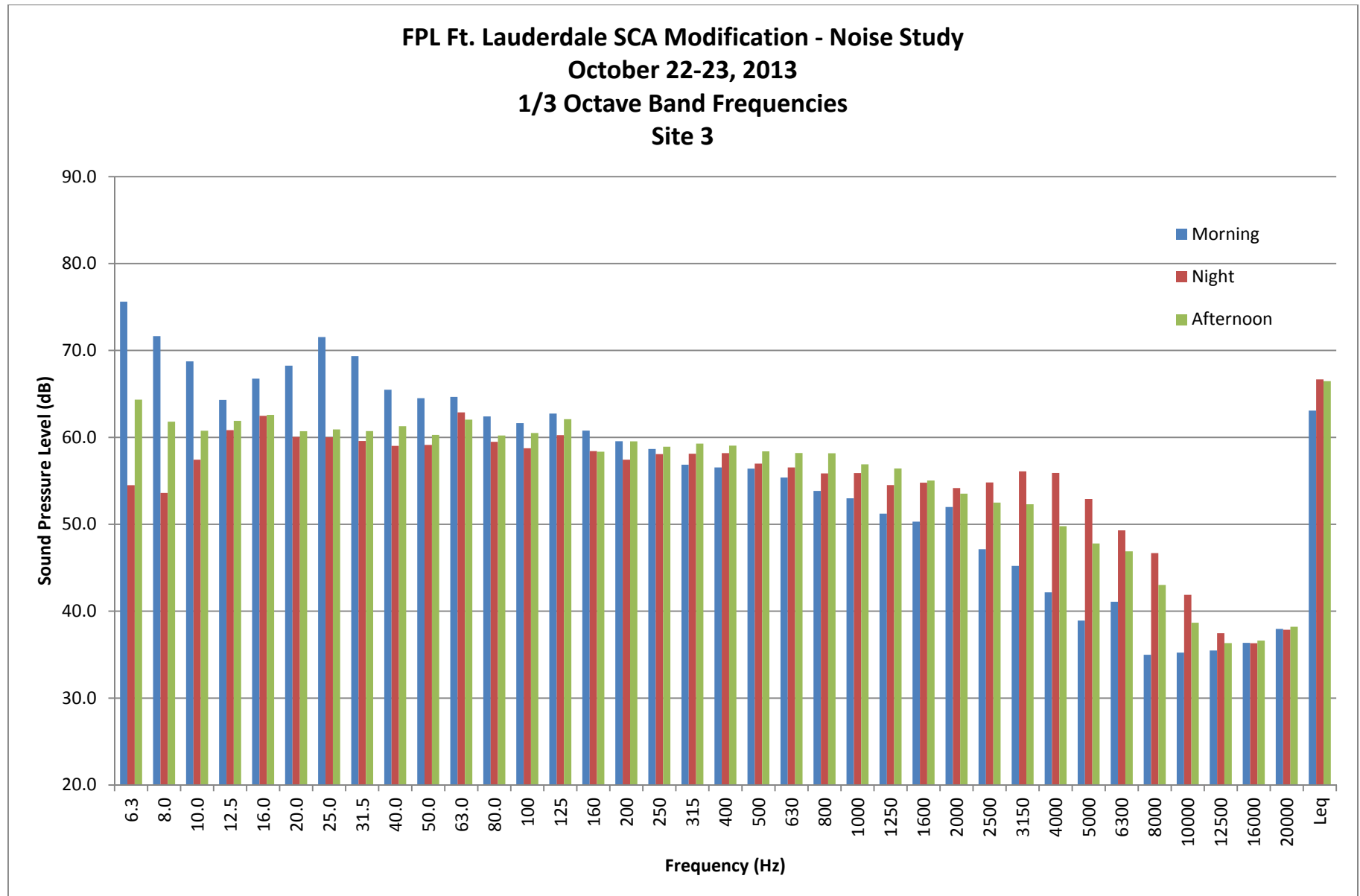
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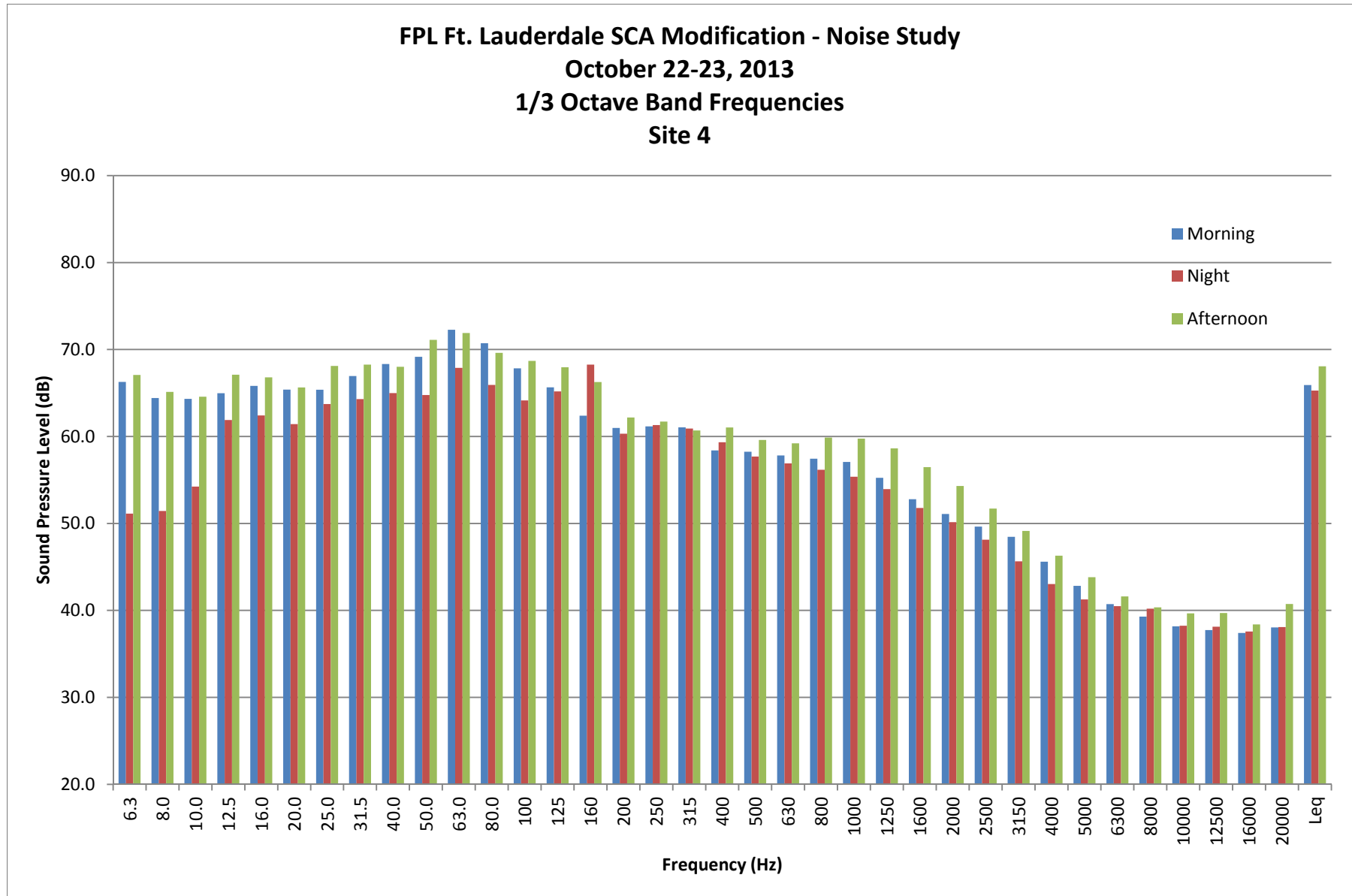
Measured One Third Octave Band Frequency Figures



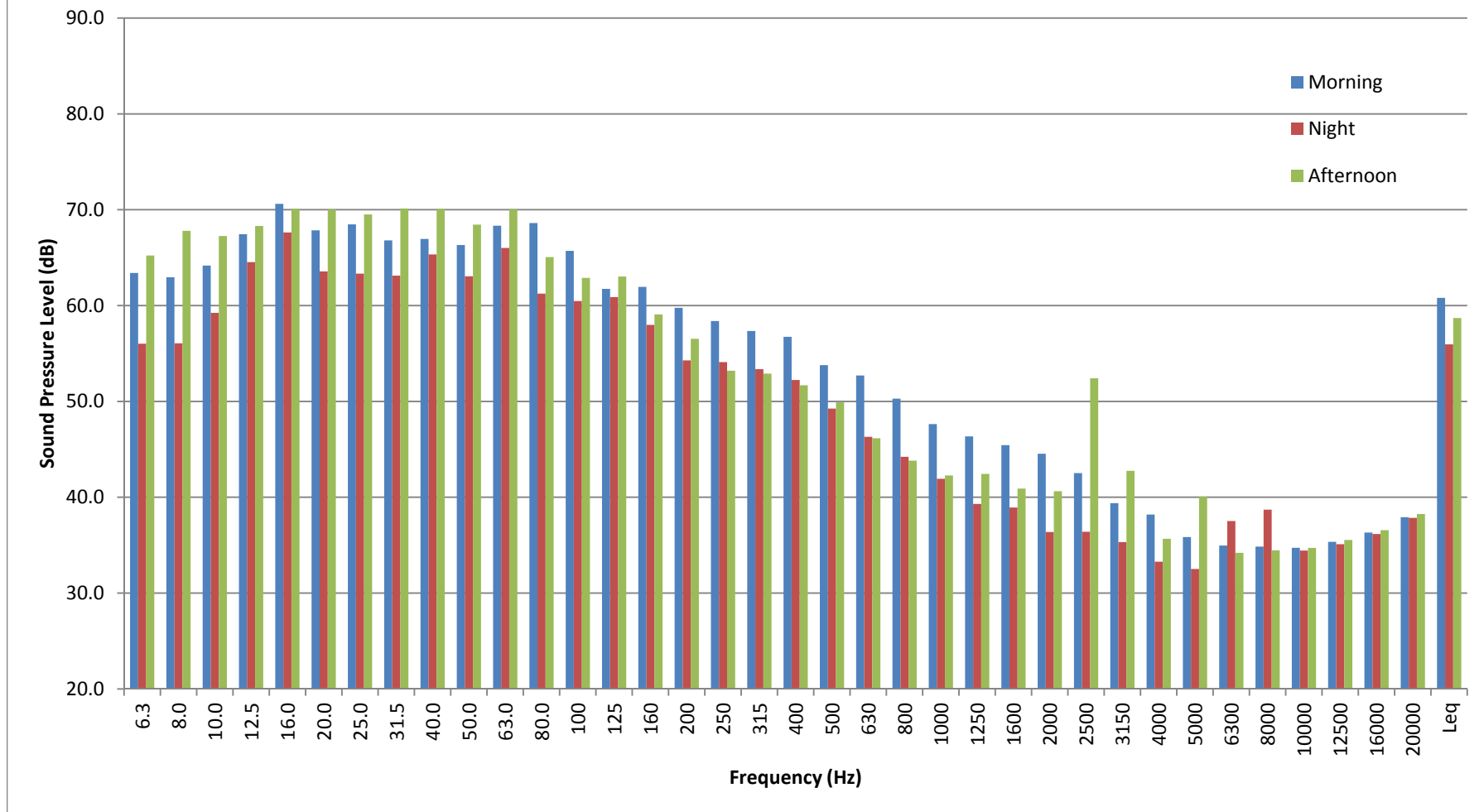
FPL Ft. Lauderdale SCA Modification - Noise Study
October 22-23, 2013
1/3 Octave Band Frequencies
Site 2



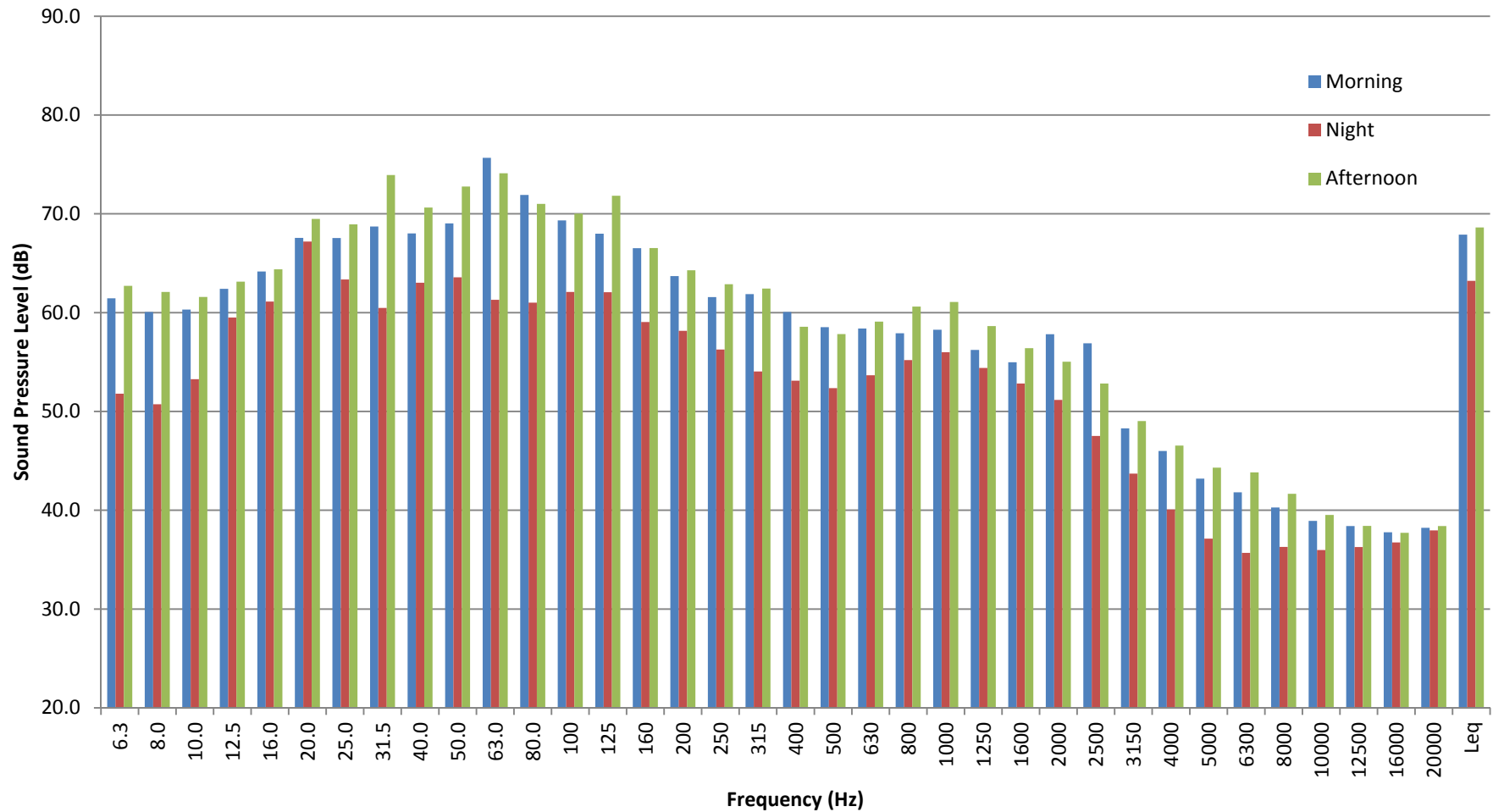




FPL Ft. Lauderdale SCA Modification - Noise Study
October 22-23, 2013
1/3 Octave Band Frequencies
Site 5



FPL Ft. Lauderdale SCA Modification - Noise Study
October 22-23, 2013
1/3 Octave Band Frequencies
Site 6



FPL Ft. Lauderdale SCA Modification - Noise Study
October 22-23, 2013
1/3 Octave Band Frequencies
Site 7

