



California Energy Commission

DOCKETED
12-AFC-02

TN # 69180

JAN. 17 2013

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January 17, 2013

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VIA EMAIL

Mr. Jason Pyle
9071 Kapaa Drive
Huntington Beach, CA 92646

Ms. Felicia Miller, Siting Project Manager
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814

Re: Huntington Beach Energy Project (12-AFC-02)
Additional Responses to Jason Pyle's Data Requests, Set 1 (#1-16)

Dear Mr. Pyle and Ms. Miller:

Pursuant to Applicant AES Southland Development, LLC's December 6, 2012 correspondence, , please find enclosed herewith additional responses to Mr. Pyle's Data Requests, Set 1. Such responses will be docketed and served on all parties electronically as the data does not exceed the five (5) megabyte limitation set forth in Commissioner McAllister's General Order dated August 17, 2012.

Sincerely,

A handwritten signature in blue ink that reads "Melissa A. Foster".

Melissa A. Foster

MAF:jmw
Enclosure
cc: Proof of Service



**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
1-800-822-6228 – WWW.ENERGY.CA.GOV**

**APPLICATION FOR CERTIFICATION FOR THE
HUNTINGTON BEACH ENERGY PROJECT**

**Docket No. 12-AFC-02
PROOF OF SERVICE
(Revised 12/24/12)**

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COMMISSION DOCKET UNIT

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**OTHER ENERGY COMMISSION
PARTICIPANTS (LISTED FOR
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***After docketing, the Docket Unit will
provide a copy to the persons listed
below. Do not send copies of
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*indicates change

ANDREW McALLISTER
Commissioner and Presiding Member

KAREN DOUGLAS
Commissioner and Associate Member

Raoul Renaud
Hearing Adviser

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Adviser to Commissioner Douglas

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Project Manager

Kevin W. Bell
Staff Counsel

DECLARATION OF SERVICE

I, Judith M. Warmuth, declare that on January 17, 2013, I served and filed copies of the attached **Applicant's Additional Responses to Jason Pyle's Data Requests, Set 1** dated January 17, 2013. This document is accompanied by the most recent Proof of Service list, which I copied from the web page for this project at: http://www.energy.ca.gov/sitingcases/huntington_beach_energy/index.html.

The document has been sent to the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, as appropriate, in the following manner:

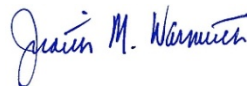
(Check one)

For service to all other parties and filing with the Docket Unit at the Energy Commission:

- I e-mailed the document to all e-mail addresses on the Service List above and personally delivered it or deposited it in the US mail with first class postage to those parties noted above as "hard copy required"; **OR**
- Instead of e-mailing the document, I personally delivered it or deposited it in the US mail with first class postage to all of the persons on the Service List for whom a mailing address is given.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am over the age of 18 years.

Dated: January 17, 2013



Judith M. Warmuth

Huntington Beach Energy Project

(12-AFC-02)

Additional Responses to Intervenor Pyle's Data Requests, Set 1 (PYLE-1 through PYLE-16)

Submitted to
California Energy Commission

Prepared by
AES Southland Development, LLC

With Assistance from

CH2MHILL®

485 Natomas Park Drive
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January 17, 2013

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Introduction

Attached are AES Southland Development, LLC's (AES or the Applicant) responses to the Intervenor Jason Pyle's Data Requests, Set 1) regarding the Huntington Beach Energy Project (HBEP) (12-AFC-02) Application for Certification (AFC).

New or revised graphics or tables are numbered in reference to the Data Request number. For example, the first table used in response to Data Request 2 would be numbered Table DR PYLE 2-1. The first figure used in response to Data Request 2 would be Figure DR PYLE 2-1, and so on. Figures or tables from the HBEP AFC that have been revised have "R1" following the original number, indicating revision 1.

Additional tables, figures, or documents submitted in response to a data request (for example, supporting data, stand-alone documents such as plans, folding graphics, etc.) are found at the end of each discipline-specific section and are not sequentially paginated consistently with the remainder of the document, though they may have their own internal page numbering system.

Data Requests PYLE

DATA REQUEST

2. Please provide a thorough assessment of the proposed projects anticipated noise avoidance and mitigation measures to offset the direct and indirect temporary and permanent impacts of elevated noise levels. Please list specifically the values of the mitigation and attenuation measures.

Response:

Applicant reiterates and incorporates by reference its objections to this Data Request, as set forth in Applicant's December 6, 2012, correspondence to Mr. Pyle and the Siting Committee. Notwithstanding such objections, Applicant hereby responds as follows:

The final decision on the precise acoustical design features will be specified during the final engineering and construction analysis by the Engineering, Procurement, and Construction Contractor (EPC Contractor). While this will occur post-CEC licensing of the project, the permitting analysis anticipates the following measures will be incorporated in their design documents:

- Lower noise fans, motors and gearboxes for the air-cooled condenser
- Thicker plate steel for the heat recovery steam generator (HRSG)
- Acoustical Shrouding of HRSG transition duct
- Acoustical Silencing of HRSG/stack exhaust
- Acoustical enclosure for large pumps (i.e., boiler feed pumps)
- Localized and property line sound walls

Measures such as these are available to the EPC Contractor to ensure the CEC's Conditions of Certification are complied with. The general approach typically taken by EPC Contractors to determine which specific noise control measures will be included in the design of a facility with environmental noise limits, such as HBEP.

It is not particularly meaningful to attempt to assign a value of noise mitigation at the receptors to each noise control measure. The amount of mitigation for each measure will vary to some degree by the order in which they are evaluated. The CEC's concern is the overall sound level at critical receptors, not assignment of specific design measures for individual noise sources. This detailed evaluation is conducted during final design after the facility has been licensed. The incorporation of the noise control measures such as those noted above is expected to result in the anticipated noise levels shown in Table DR PYLE 6-1 and Figure DR PYLE 6-1.

The noise evaluation described in this document reflects the current anticipated equipment selection, layout, and potential combination of noise control measures resulting in the project sound levels depicted. As the project proceeds through final design, the Applicant and the EPC Contractor may select different equipment; modify location of some equipment (i.e., pumps, motors, etc.), and select a different combination of noise control measures that satisfies the Conditions of Certification.

Consistent with all other projects permitted by the CEC, compliance with Conditions of Certification is verified through operational sound monitoring. As such, the response is subject to revisions and, further, is not required at this stage of the AFC proceedings to ensure the project satisfies the noise requirements. This process has worked successfully on numerous facilities that are currently operating in California.

DATA REQUEST

3. Please identify what is a “feasible” mitigation measure as stated in 5.7.6.2. Also please describe how you will measure “feasibility.”

Response:

Applicant reiterates and incorporates by reference its objections to this Data Request as set forth in Applicant’s December 6, 2012, correspondence to Mr. Pyle and the Siting Committee. Notwithstanding such objections, regardless of the use of the term “feasible” in Section 5.7.6.2 of the AFC, any definition of the term or how it will be measured as provided by Applicant is irrelevant. Ultimately, the CEC has exclusive jurisdiction over the project to determine what project noise levels must be to comply with applicable laws, ordinances, regulations, and standards and with the CEC’s California Environmental Quality Act obligations as defined by the Warren-Alquist Act. Feasible mitigation measures are typically those that have been demonstrated through experience to be effective in significantly reducing source noise levels for similar facilities, that do not adversely impact operation of the facility, and for which methods are available to quantify their expected noise reduction effectiveness. For example, noise barriers have been demonstrated for numerous noise sources to be able to reduce the noise from a specific piece of equipment generally by 5 to 15 dBA, depending on the relative locations and dimensions of the noise source, the barrier, and the receptor. Calculation methods, such as found in the ISO 9613 standard, are readily available to estimate the noise reduction effectiveness of barriers. Active noise control, technology used in noise canceling headphones, would be an example of an infeasible technology as it has not been successfully demonstrated for facilities of this nature. As noted in Response to Data Request PYLE-2, there are various design measures available to the project owner to enable HBEP to meet the noise limitations that will be set forth in the Final Decision on the AFC. Moreover, and as noted in the response to Data Request PYLE-2, consistent with all other projects permitted by the CEC, compliance with Conditions of Certification is verified through operational sound monitoring.

DATA REQUEST

5. Please determine the expected noise levels and the extent and duration of noise and attenuation across the site and into the residential areas during construction and demolition. Specifically affecting the homes at the intersection of Magnolia and Banning.

Response:

Applicant reiterates and incorporates by reference its objections to this Data Request, as set forth in Applicant’s December 6, 2012, correspondence to Mr. Pyle and the Siting Committee. Notwithstanding such objections, Applicant hereby responds as follows:

Construction noise assessments are based on typical equipment sound levels measured or normalized to the standard reference distance of 50 feet. The noise level at the standard distance is used to evaluate the relative acoustic strength of different types of equipment and is also used at the base distance from which to extrapolate equipment noise levels to receptors at further distances. As shown in Figure DR PYLE-1 (included in Applicant’s December 13, 2012 filing), the distance from the closest areas of construction activity at Block 1 to the intersection of Magnolia and Banning is approximately 1,600 feet. At this distance, the sound level is reduced by 30 dBA over the normalized 50 foot levels. Table DR PYLE 5-1 presents the anticipated sound level from various pieces of common construction equipment at the reference 50-foot distance and at the 1,600-foot distance (Block 1 to Magnolia and Banning). These attenuation estimates do not take into consideration potential additional reductions or shielding afforded by other structures, including tanks, existing sound walls, intervening buildings, and/or residential structures or by attenuation from ground effects or atmospheric absorption. Construction by its nature is a dynamic activity and determining precise sound levels at any moment in time is not possible at this stage of the project. As explained in response to Data Request PYLE-2, measures to minimize adverse effects and to address possible concerns related to construction noise have been identified in the AFC and should be addressed in the project’s Conditions of Certification.

TABLE DR PYLE 5-1

Typical Noise Levels from Common Construction/Demolition Equipment

Construction Equipment	Typical Noise Level (dBA) at Reference Distance of 50 feet	Typical Noise Level (dBA) at 1,600 feet (Block 1 to Magnolia/Banning)	Typical Noise Level (dBA) at 2,200 feet
Pile Driver (20,000 to 32,000 ft-lbs/blow)	104	74	71
Dozer (250 to 700 hp)	88	58	55
Front End Loader (6 to 15 yd ³)	88	58	55
Truck (200 to 400 hp)	86	56	53
Grader (13- to 16-foot blade)	85	55	52
Shovels (2 to 5 yd ³)	84	54	51
Portable Generator (50 to 200 kW)	84	54	51
Derrick Crane (11 to 20 tons)	83	53	50
Mobile Crane (11 to 20 tons)	83	53	50
Concrete Pump (30 to 150 yd ³)	81	51	48
Tractor (3/4 to 2 yd ³)	80	50	47
Unquieted Paving Breaker	80	50	47
Quietened Paving Breaker	73	43	40

yd³ = cubic yard

ft-lbs/blow = foot pounds per blow

hp = horsepower

kW = kilowatt

DATA REQUEST

6. Please provide a model (isopleths map) of what the calculated noise will be in the surrounding neighborhoods when both Block 1 and Block 2 are in full operation. Specifically at the intersection of Magnolia and Banning, Newland and PCH.

Response:

Applicant reiterates and incorporates by reference its objections to this Data Request, as set forth in Applicant's December 6, 2012, correspondence to Mr. Pyle and the Siting Committee. Notwithstanding such objections, Applicant hereby responds as follows:

Applicant anticipates that the following operational project sound levels: 61, 45, and 49 dBA at M2, M3, and M4, respectively (see Table DR PYLE 6-1). These anticipated operational project sound level contours are also shown in Figure DR PYLE 6-1.

TABLE DR PYLE 6-1
Anticipated Project Sound Levels, dBA

Location	Existing Nighttime L_{90} *	Anticipated Project Sound Level	Combined Existing L_{90} + Project
M2	67	61	68
M3	39	45	46
M4	43	49	50

*As measured on September 21, 2012, and detailed in Response DR PYLE-16.

Such sound level contours represent the anticipated total steady-state sound levels from both HBEP Block 1 and Block 2 with essentially all equipment operating at full load.

Given that the final engineering design has not been completed, these detailed noise contours are necessarily preliminary in nature. The equipment selection, equipment noise characteristics, and noise control measures will almost certainly change in some aspects as the design is finalized. However, the current model input is believed to represent the most likely scenario that can be envisioned at this time and the project sound levels identified in Table DR PYLE 6-1 should be considered as reasonably achievable. The shape of the contours and the facility noise level at any particular location is subject to some minor changes from those shown in Figure DR PYLE 6-1 as final detailed facility design and precise equipment selection progresses and design margin is considered.

DATA REQUEST

- Please provide a model (isopleths map) of what the current ambient noise is currently in the surrounding neighborhoods off Magnolia, Newland and Hamilton, specifically the hours of 10 pm to 7 am. Please provide what the current ambient noise is when the current plant is in full operation and when the current plant is not operating. Specifically between the hours of 10 pm to 7 am.

Response:

Applicant reiterates and incorporates by reference its objections to this Data Request, as set forth in Applicant's December 6, 2012, correspondence to Mr. Pyle and the Siting Committee. Notwithstanding such objections Applicant hereby responds as follows:

It is not technically feasible to provide an accurate model that would generate iso-dB or sound contours of existing noise levels. There are numerous sources of environmental noise outside of the control of the Applicant that contribute to the total existing ambient noise levels throughout the general area of the proposed HBEP. However, the Applicant conducted additional ambient monitoring in September 2012 and Attachment DR PYLE 7-1 presents the monitoring report of the additional noise monitoring and contains figures noting sound monitoring locations. This report identifies the additional sound monitoring locations and measurement results in both tabular and graphical form. Unattended long-term monitoring was conducted over several days at six locations. Short-term, single 10-minute measurements were made at 17 locations during the midnight to 6:00 a.m. period on September 21, 2012, when the Huntington Beach Generation Station was operating at or near maximum power output. The Applicant provided additional information responsive to this request regarding the modeling conducted in September 2012 and the anticipated operations of HBEP in the Applicant's responses to Data Requests PYLE-14, PYLE-15, and PYLE-16, docketed on December 13, 2012.

DATA REQUEST

11. Please correct the conflicting data submitted in the AFC, specifically the inconsistency between sections 5.7-10 that states anticipated steady state noise levels of 60 – 63 db and the City of Huntington Beach noise standards as regulated in the City Charter, Chapter 8.4., Section 8.40.050 indicates that the maximum db in a residential zone will be 50–55 db.

Response:

Applicant reiterates and incorporates by reference its objections to this Data Request, as set forth in Applicant's December 6, 2012, correspondence to Mr. Pyle and the Siting Committee. Notwithstanding such objections, Applicant's responses to Data Requests PYLE-6 and PYLE-16, provided herein, demonstrate that there is no conflict and that HBEP will comply with all applicable noise LORS.

DATA REQUEST

16. Please provide further date [sic] as to the following. On the day that the ambient noise study was conducted was the current power plant in operation? If so please provide data as to the hours of operation and as to what level of power production.

Response:

This request seeks information for the day that the ambient noise study was conducted and the operational status of the current power plant during the measurements. The noise monitoring was actually conducted over multi-day periods at each of the four monitoring locations. The noise monitoring results for all of the locations are tabulated on an hourly basis in Appendix 5.7A of the AFC. The hourly output from the Huntington Beach Generating Station varied from 20 MW to 450 MW over the noise monitoring period. The average hourly power output over this period was 136 MW. As noted above, additional noise monitoring was conducted in September 2012. Attachment DR PYLE 7-1 presents a report of the additional ambient noise monitoring that Applicant conducted in September 2012. This report identifies the additional sound monitoring locations and measurement results in both tabular and graphical form.



- AES Huntington Beach Generating Station
 - AES Huntington Beach Energy Project -70 dBA limit
- Estimated HBEP Operational Sound Level Contours**
- 40
 - 50
 - 60

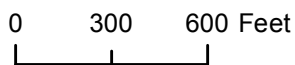


Figure DR PYLE 6-1
Estimated Sound Level Contours:
Both HBEP Block 1 and Block 2 at
Full Load – Facility Sound Only
 AES Huntington Beach Energy Project
 Huntington Beach, California

**Attachment DR PYLE 7-1
September 2012 Ambient Noise Survey**

September 2012 Ambient Noise Survey

The existing Huntington Beach Generating Station (HBGS) was scheduled to operate at near maximum capacity (approximately 890 MW) between the hours of midnight and 6 a.m. on September 21, 2012. On September 19, 2012, six (6) stationary continuous data logging sound level meters were deployed at monitoring locations M2 through M7 depicted in Figure 5.7-1R1. Two wind speed measurement devices were also deployed at M3 and M5. In addition to the stationary sound level meters, seventeen (17) attended hand held measurements were collected during the early morning hours of September 21, 2012. These measurement locations, HHM1 through HHM17, are depicted on Figure DR PYLE 7-1.

Equipment and Personnel

Larson Davis 831 and 820, ANSI S1.4 Type 1, precision, sound level meters were used. The Larson Davis 831's were deployed at locations M2 through M6 while the Larson Davis 820 was deployed at location M7. Microphones were field calibrated at the beginning and end of the study with a Larson Davis CAL200 calibrator. The stationary sound level meters were housed in outdoor enclosures and the microphones were mounted at an approximate height of 5 feet, with the exception of M6, which was mounted at approximately 8 feet, within a Larson Davis environmental protection shroud. Attended measurements were collected with Larson Davis Model 831 noise meters. A camera tripod was used at the attended locations and set to a similar height of approximately 5 feet and microphones were outfitted with manufacturer's wind screens.

Microphone height wind speed was recorded with NRG SymphoniePlus data loggers at two locations: M3 and M5. No precipitation occurred during the monitoring period. Operational parameters associated with the existing power plant were monitored and provided by AES.

Oregon is the only state to issue a Professional Engineering (P.E.) License in acoustics and all measurements were conducted by Oregon licensed Professional Acoustical Engineers.

Measurement Protocol

Each stationary sound level meter (monitoring locations M2 through M7) was programmed to collect data in 10-minute intervals to correspond with meteorological data collection efforts. The sound levels were collected in terms of the A-weighted L_{eq} , L_{50} and L_{90} metrics. Attended measurements were collected at locations HHM1 through HHM17 for a period of at least 10 minutes, with the exception of HHM10 where a 5-minute measurement was collected. HHM10 is not located proximate to a residential area.

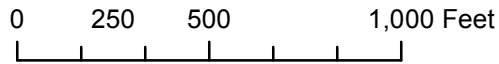
Results

Appendix A attached hereto presents the measured sound levels (L_{eq} and L_{90}) at the six continuously monitored locations (M2 through M7) in graphical format showing the simultaneous HBGS megawatt output for each units and facility total. Similar figures were prepared showing the sound levels and concurrent microphone height wind speed for locations M3 and M5. As shown in Appendix A, HBGS operated at full load from approximately midnight to 6 a.m. on September 21, 2012. The minimum 4-hour L_{90} sound levels at Locations M2 through M7 during this period are summarized in Table DR PYLE 7-1. Appendix B presents the continuous measurement results, meteorological and operational in tabular format.

TABLE DR PYLE 7-1
Minimum 4-hour L₉₀ Sound Level

Location	Sound Level (dBA)
M2 – 21851 Newland Street, #48	65
M3 – 22011 Hula Circle	38
M4 – 8512 Sandy Hook Drive	46
M5 – Wetlands Pier	61
M6– Wetlands Back	51
M7– Property Line Berm	57

Attended, short-term measurements were collected at 17 locations between the hours of midnight and 5 a.m. on September 21, 2012. These measurement locations are depicted in Figure DR PYLE 7-1 and the detailed results are presented in Appendix C.



Legend

- Sound Monitoring Location
- AES Huntington Beach Generating Station
- AES Huntington Beach Energy Project

FIGURE 5.7-1R
Sound Monitoring Locations
 AES Huntington Beach Energy Project
 Huntington Beach, California



Legend

- AES Huntington Beach Generating Station
- AES Huntington Beach Energy Project
- + Short Term Sound Monitoring Location

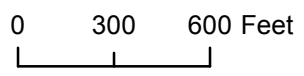
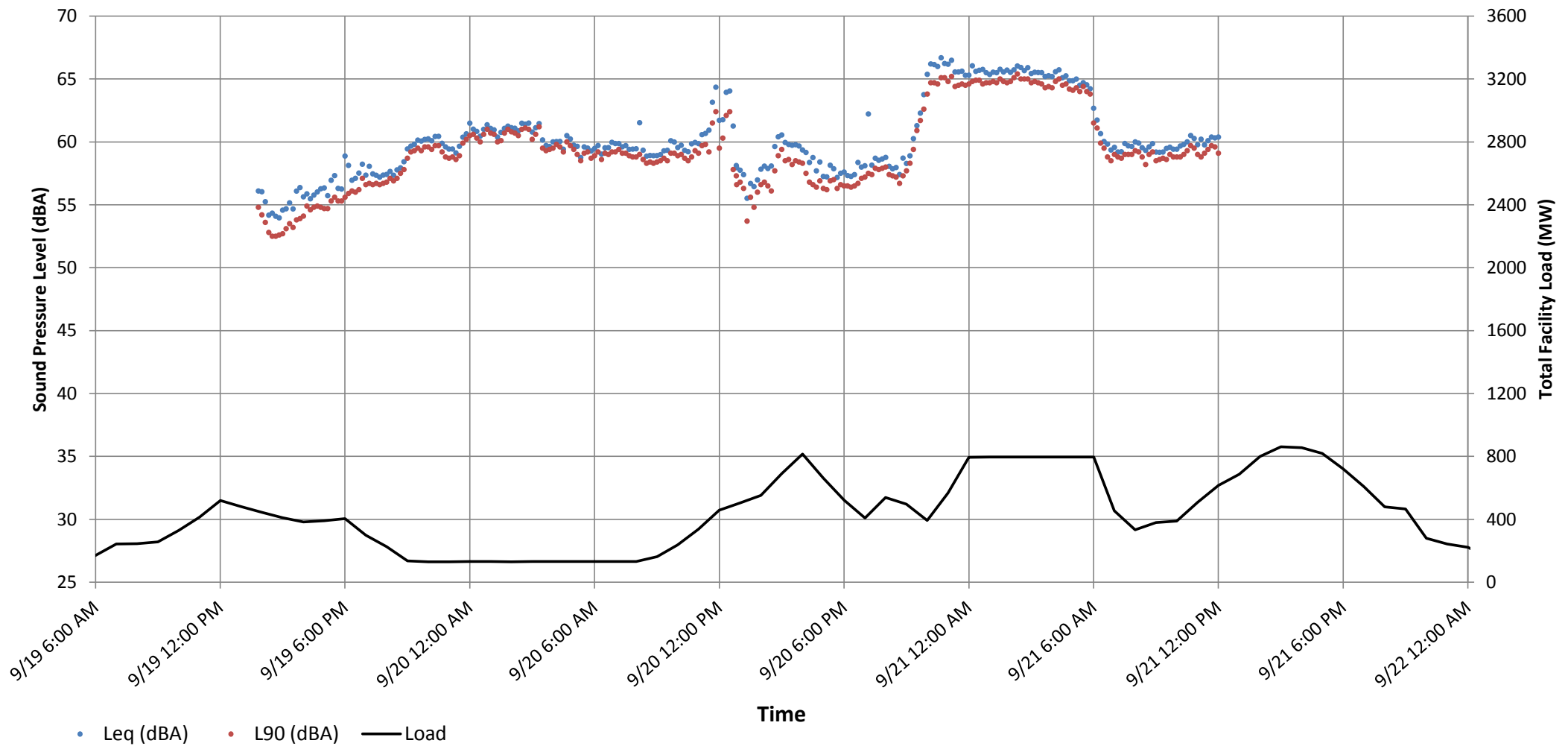


Figure DR PYLE 7-1
Short Term
Sound Monitoring Locations
 AES Huntington Beach Energy Project
 Huntington Beach, California

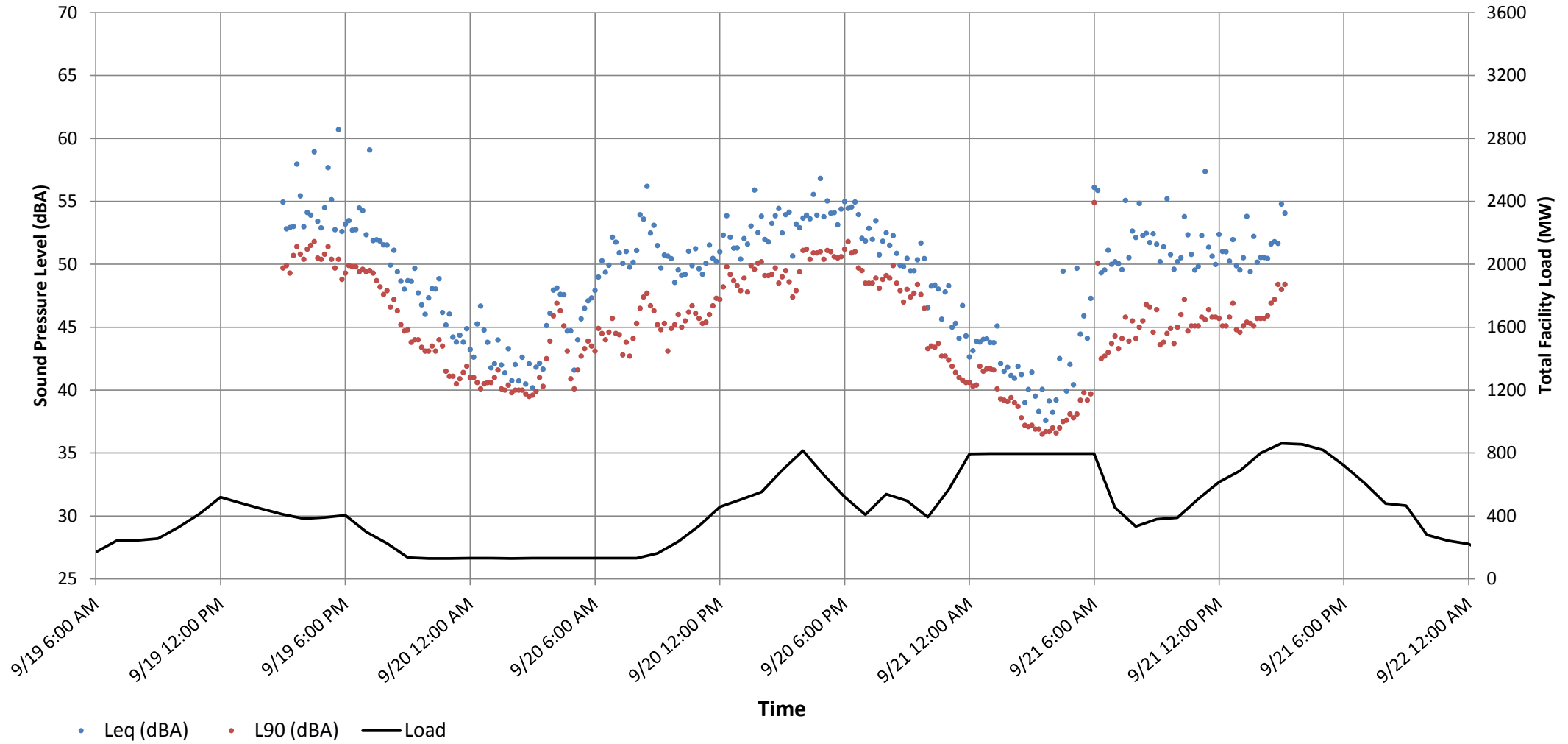
Appendix A

Charts of Continuous Monitoring Locations (M2–M7)

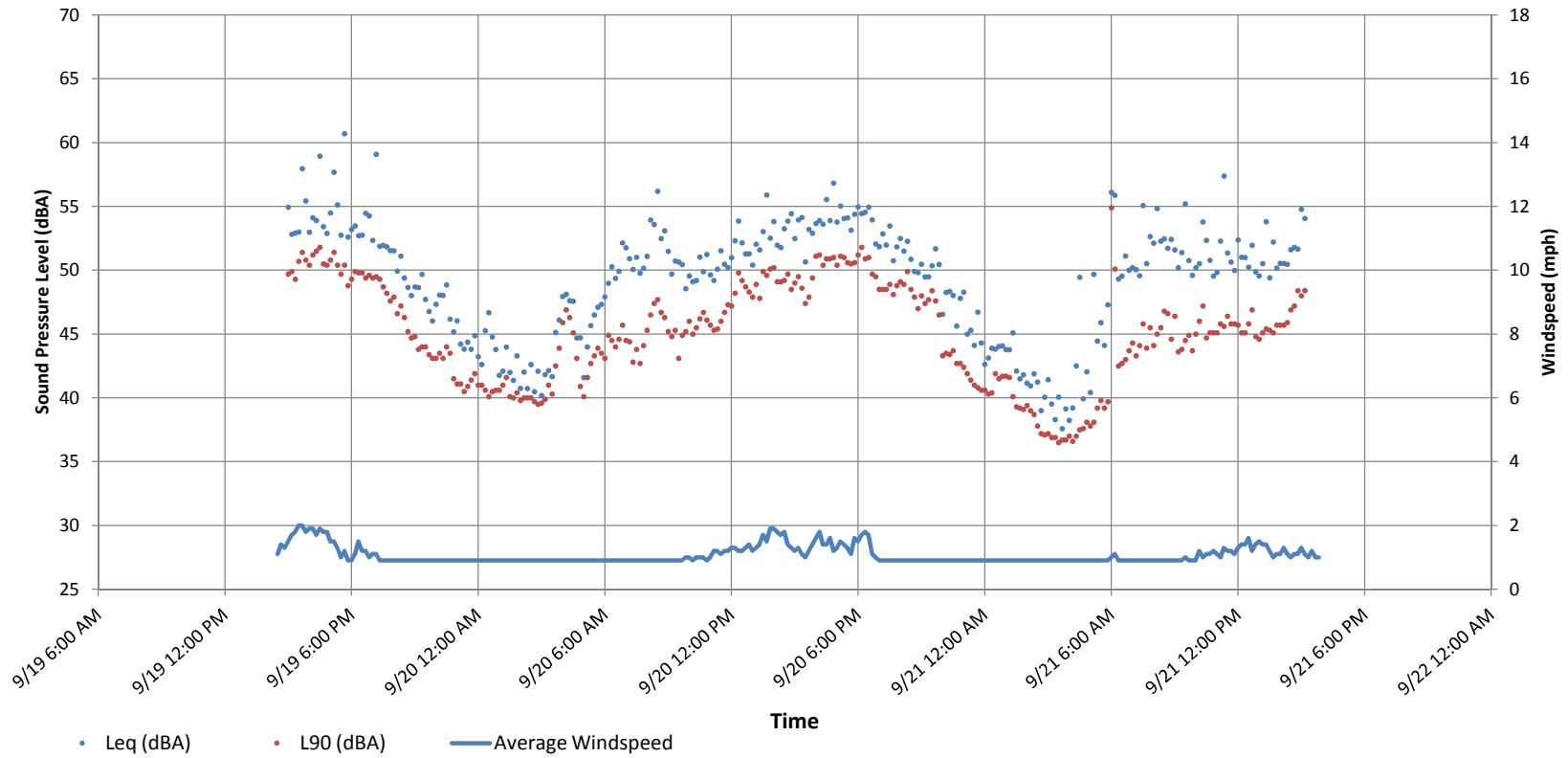
M2 Mobile Home Park Sound Level & Facility Load Time Series



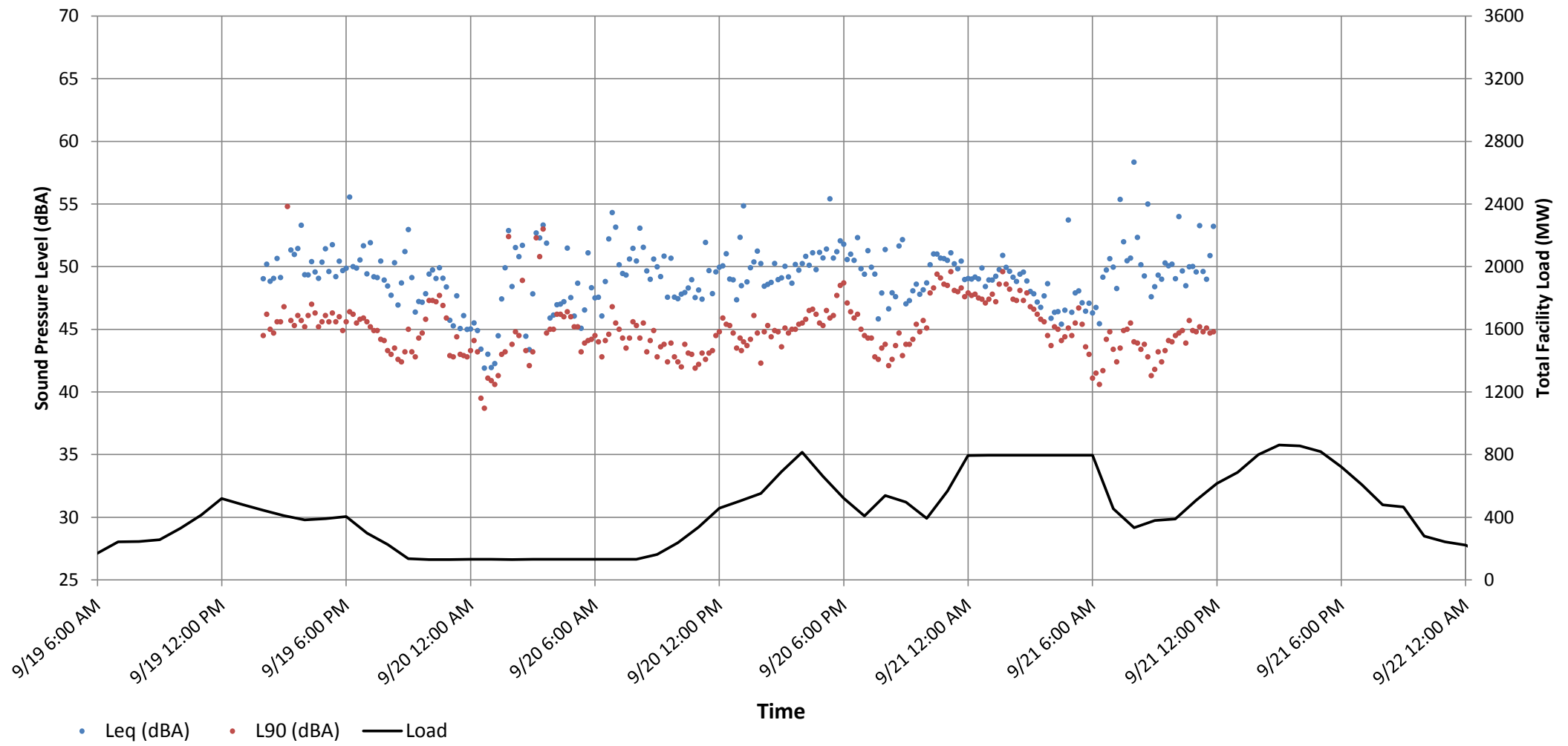
M3 Hula Circle Sound Level & Facility Load Time Series



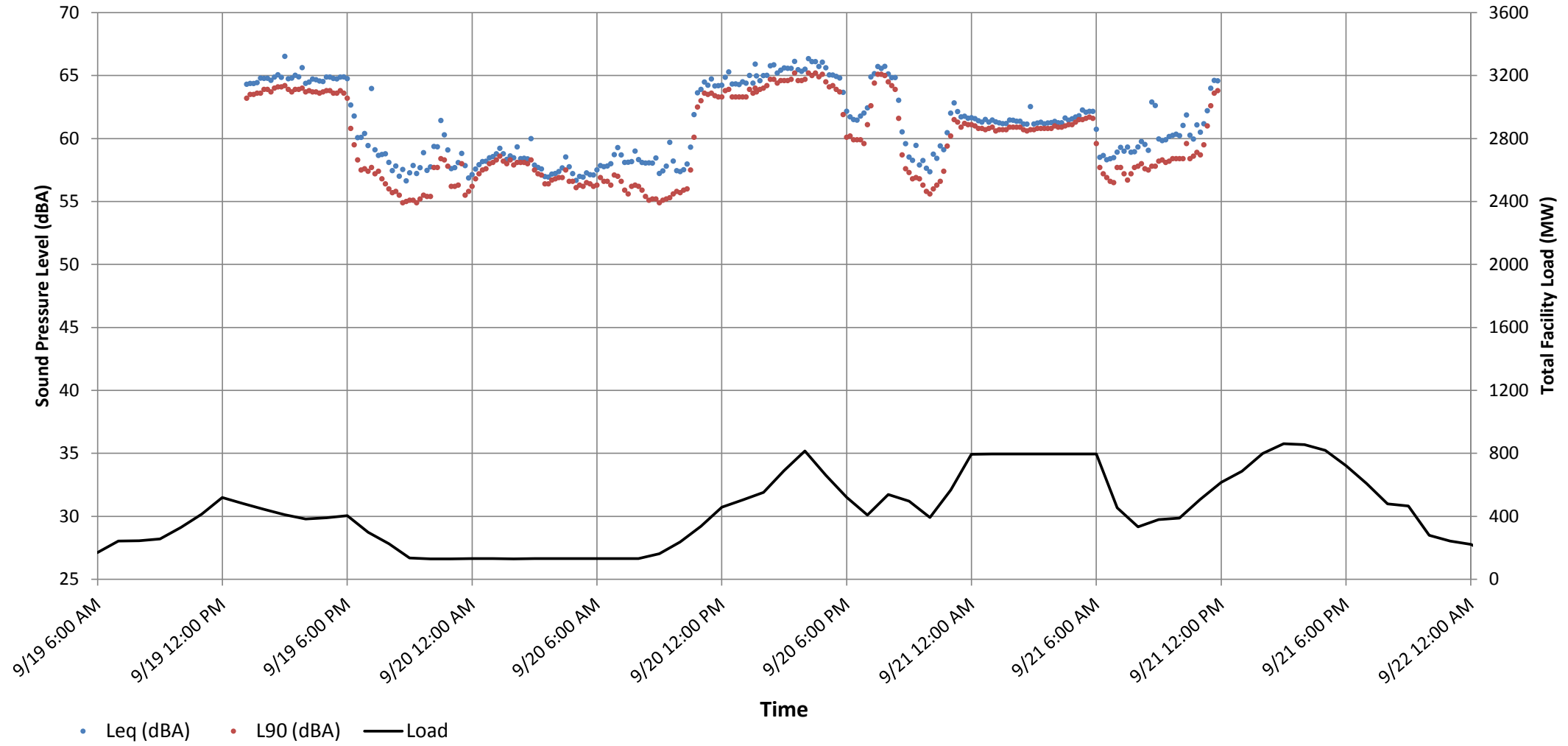
M3 Hula Circle Sound Level & Microphone Windspeed Time Series



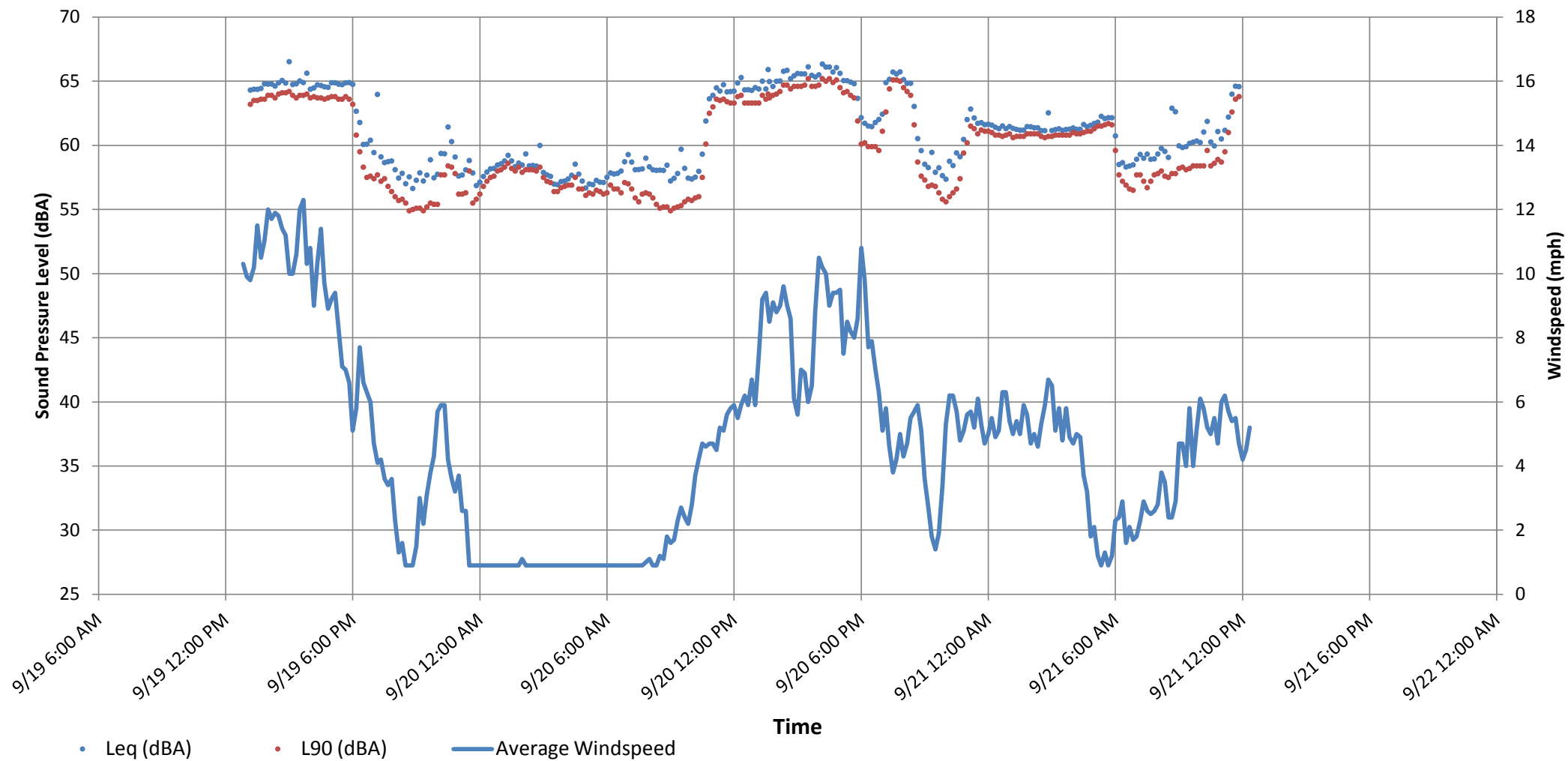
M4 Sandy Hook Sound Level & Facility Load Time Series



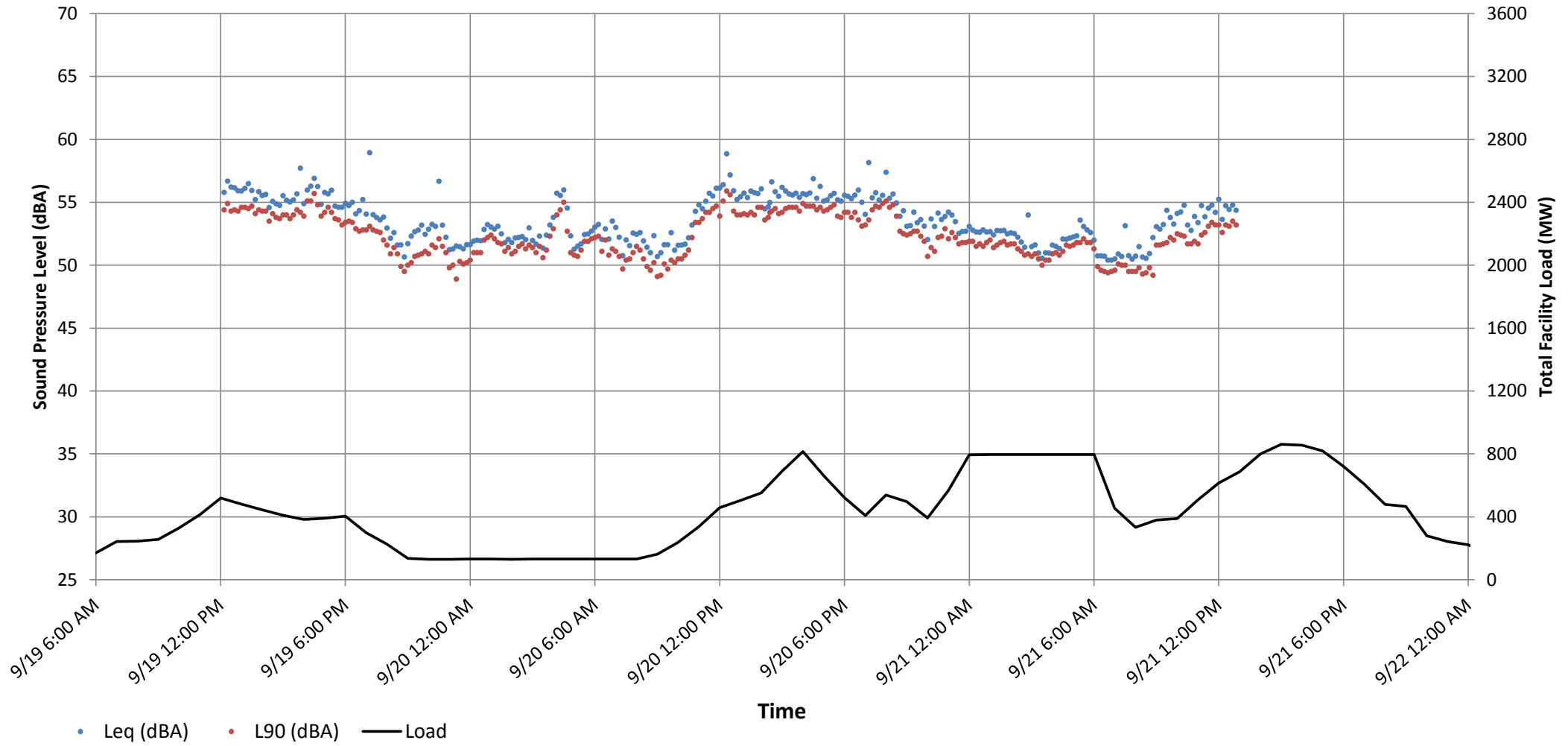
M5 Wetlands Pier Sound Level & Facility Load Time Series



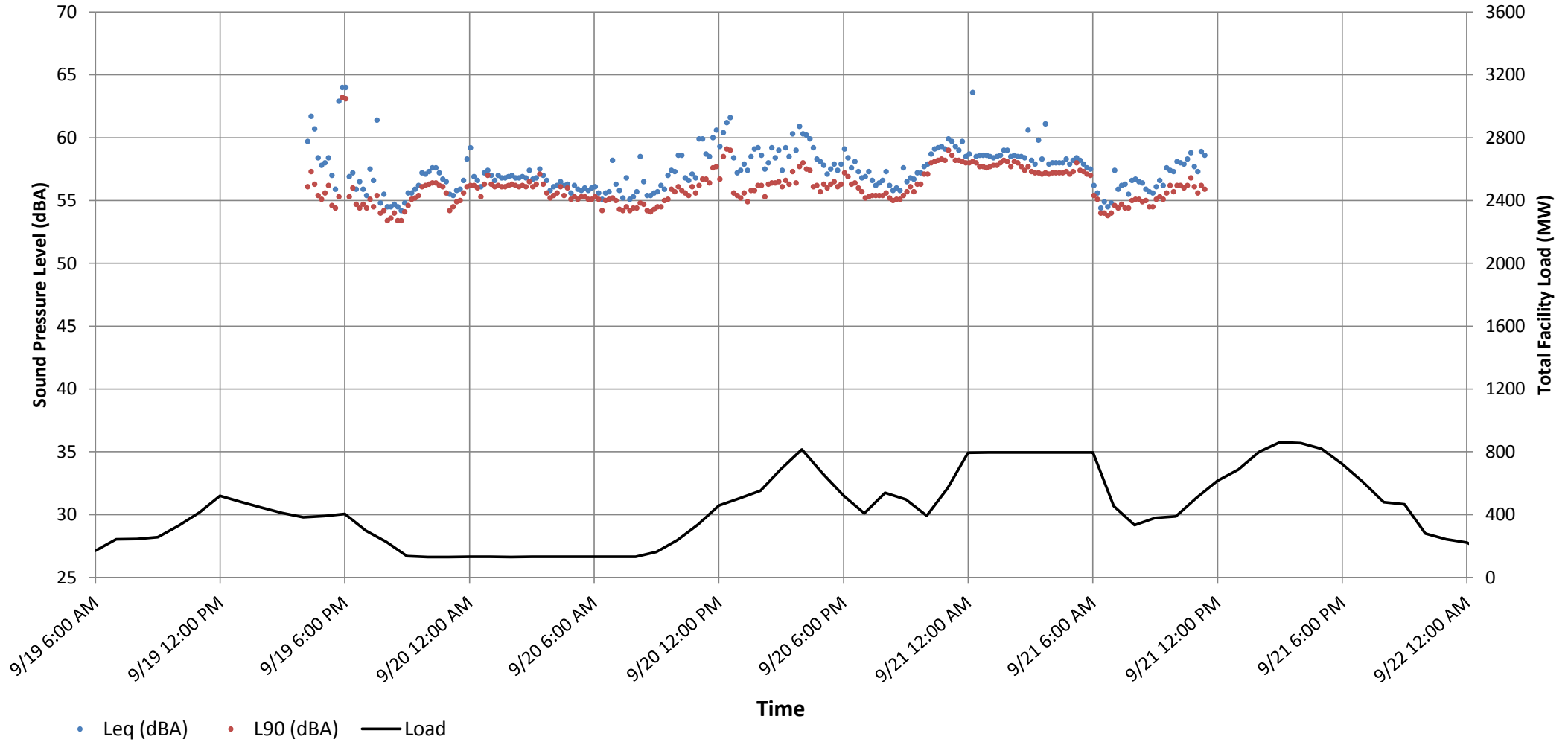
M5 Wetlands Pier Sound Level & Microphone Windspeed Time Series



M6 Wetlands Back Sound Level & Facility Load Time Series



M7 Property Line Berm Sound Level & Facility Load Time Series



Appendix B
Data Tables for Continuous Monitoring Locations
(M2–M7)

Facility Load Data Series
Huntington Beach Energy Project

DataTime	HB1 (MW)	HB2 (MW)	HB3 (MW)	HB4 (MW)	Total (MW)
9/18/12 1:00	20	20	0	91	131
9/18/12 2:00	20	20	0	91	131
9/18/12 3:00	20	20	0	91	131
9/18/12 4:00	20	21	0	91	131
9/18/12 5:00	20	21	0	91	132
9/18/12 6:00	20	20	0	91	131
9/18/12 7:00	20	21	0	91	131
9/18/12 8:00	20	20	0	91	131
9/18/12 9:00	20	61	0	91	171
9/18/12 10:00	20	67	0	91	178
9/18/12 11:00	21	104	0	91	215
9/18/12 12:00	104	68	0	91	262
9/18/12 13:00	218	66	0	112	396
9/18/12 14:00	225	65	0	106	395
9/18/12 15:00	224	65	0	168	457
9/18/12 16:00	224	66	0	211	500
9/18/12 17:00	223	65	0	202	490
9/18/12 18:00	174	65	0	145	383
9/18/12 19:00	66	65	0	91	222
9/18/12 20:00	88	65	0	91	244
9/18/12 21:00	21	64	0	91	176
9/18/12 22:00	20	67	0	91	178
9/18/12 23:00	20	92	0	91	202
9/19/12 0:00	20	33	0	91	144
9/19/12 1:00	20	20	0	91	131
9/19/12 2:00	20	20	0	91	131
9/19/12 3:00	20	20	0	91	131
9/19/12 4:00	20	21	0	91	131
9/19/12 5:00	20	20	0	91	131
9/19/12 6:00	20	20	0	130	170
9/19/12 7:00	20	20	0	202	243
9/19/12 8:00	20	21	0	204	245
9/19/12 9:00	20	33	0	204	257
9/19/12 10:00	20	106	0	204	330
9/19/12 11:00	103	107	0	204	413
9/19/12 12:00	209	107	0	204	519
9/19/12 13:00	224	52	0	204	480
9/19/12 14:00	224	23	0	197	445
9/19/12 15:00	224	79	0	108	410
9/19/12 16:00	225	69	0	91	384
9/19/12 17:00	225	75	0	91	390
9/19/12 18:00	214	101	0	91	405

Facility Load Data Series
Huntington Beach Energy Project

DataTime	HB1 (MW)	HB2 (MW)	HB3 (MW)	HB4 (MW)	Total (MW)
9/19/12 19:00	142	65	0	91	298
9/19/12 20:00	70	65	0	91	226
9/19/12 21:00	20	24	0	91	135
9/19/12 22:00	20	20	0	90	131
9/19/12 23:00	20	20	0	91	131
9/20/12 0:00	20	21	0	91	131
9/20/12 1:00	20	20	0	91	131
9/20/12 2:00	20	20	0	91	131
9/20/12 3:00	20	20	0	91	131
9/20/12 4:00	20	21	0	91	131
9/20/12 5:00	20	20	0	91	131
9/20/12 6:00	20	20	0	91	131
9/20/12 7:00	20	20	0	91	131
9/20/12 8:00	20	21	0	91	131
9/20/12 9:00	20	51	0	91	162
9/20/12 10:00	20	124	3	91	238
9/20/12 11:00	121	115	11	91	337
9/20/12 12:00	222	119	27	91	457
9/20/12 13:00	225	103	85	91	504
9/20/12 14:00	224	142	95	91	551
9/20/12 15:00	224	153	158	155	691
9/20/12 16:00	223	177	209	205	815
9/20/12 17:00	224	88	179	172	662
9/20/12 18:00	217	114	97	93	521
9/20/12 19:00	153	74	91	91	408
9/20/12 20:00	211	146	91	91	539
9/20/12 21:00	182	134	91	91	497
9/20/12 22:00	33	96	132	131	393
9/20/12 23:00	75	95	199	199	567
9/21/12 0:00	197	199	199	199	794
9/21/12 1:00	198	200	199	199	796
9/21/12 2:00	198	200	199	199	796
9/21/12 3:00	198	200	199	199	796
9/21/12 4:00	198	199	199	199	795
9/21/12 5:00	198	200	199	199	797
9/21/12 6:00	198	199	199	199	795
9/21/12 7:00	84	99	139	131	453
9/21/12 8:00	19	65	159	91	334
9/21/12 9:00	19	65	204	91	379
9/21/12 10:00	20	74	204	91	389
9/21/12 11:00	62	152	204	91	508
9/21/12 12:00	173	148	204	91	615

Facility Load Data Series
Huntington Beach Energy Project

DataTime	HB1 (MW)	HB2 (MW)	HB3 (MW)	HB4 (MW)	Total (MW)
9/21/12 13:00	224	168	204	91	687
9/21/12 14:00	223	200	213	164	800
9/21/12 15:00	223	222	207	209	861
9/21/12 16:00	223	225	199	209	856
9/21/12 17:00	224	218	199	177	819
9/21/12 18:00	225	206	177	112	720
9/21/12 19:00	210	212	94	91	608
9/21/12 20:00	85	212	91	91	478
9/21/12 21:00	138	146	91	91	465
9/21/12 22:00	33	65	91	91	279
9/21/12 23:00	20	42	91	91	243
9/22/12 0:00	20	20	91	90	222
9/22/12 1:00	20	20	91	23	154
9/22/12 2:00	20	20	91	0	131
9/22/12 3:00	20	20	91	0	131
9/22/12 4:00	20	20	91	0	131
9/22/12 5:00	20	20	91	0	131
9/22/12 6:00	20	20	91	0	131
9/22/12 7:00	20	21	91	0	132
9/22/12 8:00	20	21	91	0	132
9/22/12 9:00	20	62	91	0	173
9/22/12 10:00	20	68	91	0	179
9/22/12 11:00	20	112	92	0	223
9/22/12 12:00	21	115	91	0	227
9/22/12 13:00	63	130	91	0	284
9/22/12 14:00	170	181	126	0	477
9/22/12 15:00	224	220	164	0	609
9/22/12 16:00	224	225	209	0	657
9/22/12 17:00	223	225	224	0	672
9/22/12 18:00	176	225	187	0	588
9/22/12 19:00	32	225	113	0	370
9/22/12 20:00	20	225	142	0	386
9/22/12 21:00	20	199	92	0	311
9/22/12 22:00	20	138	91	0	248
9/22/12 23:00	20	59	91	0	170
9/23/12 0:00	20	21	91	0	131

**M2 Mobile Home Park
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/19	13:30:00	57.2	59.3	58.3	57.6	57.1	56.5	56.1
2012/09/19	13:40:00	56.9	59.3	58.2	57.2	56.6	56.0	55.6
2012/09/19	13:50:00	56.1	58.4	57.2	56.6	55.9	55.4	54.8
2012/09/19	14:00:00	56.0	62.3	57.5	55.9	55.2	54.6	54.2
2012/09/19	14:10:00	55.2	57.6	56.6	55.8	54.9	54.2	53.6
2012/09/19	14:20:00	54.2	56.9	55.6	54.6	53.9	53.3	52.8
2012/09/19	14:30:00	54.3	58.6	56.2	54.6	53.8	53.2	52.5
2012/09/19	14:40:00	54.1	57.3	55.6	54.5	53.8	53.0	52.5
2012/09/19	14:50:00	54.0	56.1	55.3	54.4	53.8	53.2	52.6
2012/09/19	15:00:00	54.6	59.7	56.4	54.7	53.8	53.1	52.7
2012/09/19	15:10:00	54.7	58.0	56.0	55.1	54.4	53.6	53.1
2012/09/19	15:20:00	55.2	58.7	56.9	55.5	54.7	54.1	53.5
2012/09/19	15:30:00	54.7	59.8	55.7	54.7	54.2	53.7	53.2
2012/09/19	15:40:00	56.1	60.7	56.9	55.7	55.0	54.3	53.8
2012/09/19	15:50:00	56.4	62.4	59.5	56.0	55.0	54.4	53.9
2012/09/19	16:00:00	55.6	59.3	57.2	55.8	55.2	54.6	54.1
2012/09/19	16:10:00	55.9	57.5	56.8	56.3	55.8	55.3	54.9
2012/09/19	16:20:00	55.5	57.7	56.3	55.8	55.3	54.9	54.6
2012/09/19	16:30:00	55.8	57.8	56.7	56.1	55.6	55.2	54.8
2012/09/19	16:40:00	56.0	58.5	56.9	56.3	55.8	55.4	54.9
2012/09/19	16:50:00	56.3	59.7	57.3	56.4	55.9	55.4	54.8
2012/09/19	17:00:00	56.3	60.2	58.2	56.5	55.8	55.2	54.7
2012/09/19	17:10:00	55.7	58.2	56.6	56.1	55.6	55.1	54.7
2012/09/19	17:20:00	56.9	62.0	58.2	56.9	56.3	55.8	55.3
2012/09/19	17:30:00	57.3	63.4	58.1	56.9	56.4	55.9	55.6
2012/09/19	17:40:00	56.3	58.0	57.2	56.7	56.2	55.8	55.3
2012/09/19	17:50:00	56.2	58.2	57.1	56.6	56.1	55.6	55.3
2012/09/19	18:00:00	58.9	65.1	58.9	57.2	56.5	56.0	55.6
2012/09/19	18:10:00	58.1	64.2	59.2	57.7	56.8	56.3	55.9
2012/09/19	18:20:00	57.0	58.8	58.0	57.3	56.8	56.4	56.1
2012/09/19	18:30:00	57.1	60.9	57.9	57.1	56.7	56.3	56.0
2012/09/19	18:40:00	57.5	59.1	58.6	58.0	57.5	56.8	56.2
2012/09/19	18:50:00	58.2	61.5	59.5	58.4	57.9	57.5	57.1
2012/09/19	19:00:00	57.4	59.2	58.0	57.5	57.1	56.9	56.6
2012/09/19	19:10:00	58.1	62.2	60.0	58.1	57.5	57.1	56.7
2012/09/19	19:20:00	57.5	60.2	58.3	57.6	57.2	56.9	56.6
2012/09/19	19:30:00	57.3	58.7	58.0	57.5	57.2	57.0	56.7
2012/09/19	19:40:00	57.2	58.4	57.8	57.4	57.1	56.8	56.6
2012/09/19	19:50:00	57.4	59.1	58.1	57.5	57.2	56.9	56.7
2012/09/19	20:00:00	57.4	59.4	58.1	57.6	57.3	57.0	56.8
2012/09/19	20:10:00	57.6	59.3	58.2	57.8	57.5	57.3	57.1
2012/09/19	20:20:00	57.3	58.3	57.7	57.5	57.3	57.1	56.9
2012/09/19	20:30:00	57.8	59.5	58.0	57.6	57.4	57.2	57.1

**M2 Mobile Home Park
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/19	20:40:00	57.9	59.0	58.4	58.1	57.9	57.7	57.5
2012/09/19	20:50:00	58.4	59.4	59.0	58.7	58.4	58.1	57.8
2012/09/19	21:00:00	59.4	60.7	60.2	59.7	59.4	59.0	58.7
2012/09/19	21:10:00	59.7	60.7	60.3	59.9	59.6	59.3	59.2
2012/09/19	21:20:00	59.8	60.9	60.3	60.0	59.8	59.5	59.3
2012/09/19	21:30:00	60.1	61.4	60.7	60.4	60.1	59.8	59.5
2012/09/19	21:40:00	60.1	61.1	60.8	60.5	60.0	59.6	59.3
2012/09/19	21:50:00	60.2	61.1	60.7	60.4	60.1	59.8	59.6
2012/09/19	22:00:00	60.2	61.2	60.9	60.5	60.2	59.9	59.6
2012/09/19	22:10:00	60.1	61.1	60.7	60.4	60.1	59.8	59.4
2012/09/19	22:20:00	60.4	61.4	61.1	60.8	60.4	60.0	59.7
2012/09/19	22:30:00	60.4	61.7	61.2	60.8	60.4	60.0	59.7
2012/09/19	22:40:00	59.9	61.0	60.6	60.2	59.9	59.5	59.2
2012/09/19	22:50:00	59.6	60.9	60.4	60.0	59.5	59.0	58.8
2012/09/19	23:00:00	59.4	61.8	60.2	59.6	59.2	58.9	58.7
2012/09/19	23:10:00	59.4	60.6	60.1	59.8	59.3	59.0	58.8
2012/09/19	23:20:00	59.1	60.2	59.6	59.3	59.1	58.8	58.6
2012/09/19	23:30:00	59.6	60.7	60.4	60.0	59.7	59.2	58.9
2012/09/19	23:40:00	60.4	61.1	60.9	60.6	60.3	60.1	59.9
2012/09/19	23:50:00	60.6	61.5	61.1	60.9	60.6	60.4	60.2
2012/09/20	00:00:00	61.5	64.8	63.2	61.5	61.1	60.8	60.5
2012/09/20	00:10:00	61.0	61.8	61.5	61.2	60.9	60.7	60.6
2012/09/20	00:20:00	60.8	61.8	61.4	61.1	60.8	60.5	60.3
2012/09/20	00:30:00	60.4	62.2	60.8	60.5	60.3	60.2	60.0
2012/09/20	00:40:00	61.0	61.7	61.4	61.2	61.0	60.8	60.6
2012/09/20	00:50:00	61.4	62.0	61.8	61.6	61.3	61.1	61.0
2012/09/20	01:00:00	61.1	61.7	61.5	61.2	61.0	60.9	60.7
2012/09/20	01:10:00	61.0	61.5	61.3	61.1	61.0	60.8	60.6
2012/09/20	01:20:00	60.4	61.0	60.7	60.5	60.4	60.2	60.0
2012/09/20	01:30:00	60.8	61.4	61.2	61.0	60.8	60.4	60.1
2012/09/20	01:40:00	61.1	61.7	61.4	61.3	61.1	60.9	60.7
2012/09/20	01:50:00	61.2	61.7	61.5	61.4	61.2	61.1	61.0
2012/09/20	02:00:00	61.1	61.6	61.4	61.3	61.1	61.0	60.8
2012/09/20	02:10:00	61.1	61.8	61.5	61.3	61.1	60.9	60.7
2012/09/20	02:20:00	60.9	61.3	61.2	61.0	60.9	60.7	60.5
2012/09/20	02:30:00	61.5	62.3	62.1	61.7	61.4	61.2	61.0
2012/09/20	02:40:00	61.4	61.9	61.7	61.6	61.4	61.2	61.1
2012/09/20	02:50:00	61.5	63.1	61.9	61.6	61.4	61.2	61.0
2012/09/20	03:00:00	60.8	61.3	61.2	61.0	60.8	60.6	60.2
2012/09/20	03:10:00	61.1	61.6	61.5	61.4	61.2	60.9	60.6
2012/09/20	03:20:00	61.5	62.0	61.7	61.6	61.4	61.3	61.2
2012/09/20	03:30:00	60.2	61.1	60.8	60.6	60.1	59.7	59.5
2012/09/20	03:40:00	59.7	60.2	60.0	59.9	59.7	59.5	59.3

**M2 Mobile Home Park
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	03:50:00	59.6	60.2	59.9	59.7	59.6	59.5	59.4
2012/09/20	04:00:00	60.0	60.6	60.3	60.2	60.1	59.7	59.5
2012/09/20	04:10:00	60.0	60.6	60.3	60.1	60.0	59.9	59.8
2012/09/20	04:20:00	60.0	61.0	60.6	60.2	59.9	59.8	59.6
2012/09/20	04:30:00	59.4	59.8	59.7	59.5	59.4	59.3	59.2
2012/09/20	04:40:00	60.5	61.3	61.1	60.8	60.4	60.1	60.0
2012/09/20	04:50:00	60.2	62.8	60.5	60.3	60.1	59.9	59.7
2012/09/20	05:00:00	59.7	60.3	60.0	59.9	59.8	59.6	59.4
2012/09/20	05:10:00	59.6	63.2	60.0	59.5	59.3	59.1	59.0
2012/09/20	05:20:00	58.8	59.2	59.1	58.9	58.7	58.6	58.5
2012/09/20	05:30:00	59.6	61.7	60.1	59.7	59.5	59.3	59.1
2012/09/20	05:40:00	59.5	60.7	59.9	59.6	59.4	59.3	59.2
2012/09/20	05:50:00	59.3	61.0	59.8	59.4	59.2	58.9	58.7
2012/09/20	06:00:00	59.5	60.2	59.9	59.6	59.3	59.1	58.9
2012/09/20	06:10:00	59.7	61.0	60.3	59.9	59.6	59.4	59.2
2012/09/20	06:20:00	59.0	59.8	59.5	59.2	59.0	58.8	58.6
2012/09/20	06:30:00	59.5	60.7	60.1	59.7	59.4	59.2	59.1
2012/09/20	06:40:00	59.5	61.3	60.4	59.7	59.3	59.1	59.0
2012/09/20	06:50:00	60.0	62.0	60.8	60.2	59.8	59.5	59.2
2012/09/20	07:00:00	59.9	62.9	60.4	59.9	59.6	59.4	59.2
2012/09/20	07:10:00	59.9	60.8	60.4	60.0	59.8	59.6	59.4
2012/09/20	07:20:00	59.6	61.4	60.2	59.8	59.4	59.3	59.1
2012/09/20	07:30:00	59.7	61.6	60.3	59.9	59.6	59.3	59.1
2012/09/20	07:40:00	59.4	61.2	60.0	59.5	59.2	59.1	58.9
2012/09/20	07:50:00	59.4	62.0	60.2	59.5	59.2	58.9	58.8
2012/09/20	08:00:00	59.4	62.3	60.3	59.4	59.1	58.9	58.8
2012/09/20	08:10:00	61.5	68.3	61.6	59.7	59.4	59.2	59.0
2012/09/20	08:20:00	59.3	62.4	60.0	59.5	59.1	58.8	58.6
2012/09/20	08:30:00	58.9	60.1	59.6	59.0	58.7	58.5	58.3
2012/09/20	08:40:00	58.9	59.8	59.5	59.2	58.9	58.6	58.4
2012/09/20	08:50:00	58.9	60.1	59.6	59.2	58.8	58.5	58.3
2012/09/20	09:00:00	58.9	60.3	59.5	59.1	58.9	58.6	58.4
2012/09/20	09:10:00	59.0	59.9	59.5	59.2	58.9	58.7	58.5
2012/09/20	09:20:00	59.3	60.4	59.8	59.5	59.2	59.0	58.7
2012/09/20	09:30:00	59.3	62.2	59.9	59.4	59.2	58.8	58.5
2012/09/20	09:40:00	60.1	62.3	60.8	60.3	60.0	59.5	59.1
2012/09/20	09:50:00	60.0	62.5	61.0	60.2	59.8	59.4	59.1
2012/09/20	10:00:00	59.6	60.5	60.2	59.8	59.5	59.2	58.9
2012/09/20	10:10:00	59.7	61.2	60.5	60.1	59.7	59.3	59.0
2012/09/20	10:20:00	59.3	60.8	60.0	59.6	59.3	58.9	58.7
2012/09/20	10:30:00	59.2	60.8	59.9	59.5	59.2	58.8	58.5
2012/09/20	10:40:00	59.8	61.3	60.7	60.3	59.8	59.3	58.8
2012/09/20	10:50:00	60.0	61.0	60.6	60.2	59.9	59.6	59.3

**M2 Mobile Home Park
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	11:00:00	59.9	61.0	60.6	60.2	59.8	59.4	59.1
2012/09/20	11:10:00	60.6	62.0	61.4	60.9	60.5	60.1	59.7
2012/09/20	11:20:00	60.7	62.0	61.5	61.0	60.6	60.2	59.8
2012/09/20	11:30:00	60.9	65.1	61.7	61.0	60.4	59.8	59.2
2012/09/20	11:40:00	63.2	65.7	64.7	63.9	62.9	62.0	61.5
2012/09/20	11:50:00	64.3	67.3	66.3	65.1	63.8	63.0	62.4
2012/09/20	12:00:00	61.7	64.9	63.7	62.6	61.3	60.0	59.5
2012/09/20	12:10:00	61.8	64.2	63.1	62.3	61.6	61.0	60.3
2012/09/20	12:20:00	63.9	66.9	65.5	64.6	63.6	62.8	62.1
2012/09/20	12:30:00	64.0	66.6	65.6	64.6	63.8	63.1	62.4
2012/09/20	12:40:00	61.3	66.2	64.8	62.2	59.4	58.3	57.8
2012/09/20	12:48:56	58.1	59.6	58.8	58.4	58.1	57.7	57.3
2012/09/20	12:50:00	57.9	60.8	58.9	58.0	57.5	57.1	56.6
2012/09/20	13:00:00	57.7	58.9	58.5	58.1	57.7	57.3	56.8
2012/09/20	13:10:00	57.4	60.7	58.2	57.7	57.1	56.6	56.3
2012/09/20	13:20:00	55.5	58.3	57.0	56.1	55.3	54.5	53.7
2012/09/20	13:30:00	56.7	58.6	57.7	57.1	56.6	56.1	55.6
2012/09/20	13:40:00	56.4	59.7	57.7	56.9	56.3	55.5	54.8
2012/09/20	13:50:00	57.0	58.4	57.9	57.4	57.0	56.4	56.0
2012/09/20	14:00:00	57.8	60.8	59.0	58.1	57.5	57.0	56.6
2012/09/20	14:10:00	58.1	59.9	59.3	58.6	57.9	57.3	56.8
2012/09/20	14:20:00	57.9	60.6	59.0	58.3	57.7	57.1	56.5
2012/09/20	14:30:00	58.1	61.3	59.8	58.9	57.7	56.8	56.1
2012/09/20	14:40:00	59.6	64.5	60.9	60.0	59.3	58.3	57.7
2012/09/20	14:50:00	60.4	62.5	61.7	61.0	60.2	59.4	58.9
2012/09/20	15:00:00	60.5	62.4	61.8	61.1	60.4	59.8	59.4
2012/09/20	15:10:00	60.0	61.8	61.2	60.6	59.8	59.1	58.5
2012/09/20	15:20:00	59.8	62.1	61.0	60.3	59.6	59.0	58.6
2012/09/20	15:30:00	59.7	62.5	61.1	60.3	59.5	58.7	58.2
2012/09/20	15:40:00	59.8	61.7	60.9	60.3	59.6	59.1	58.5
2012/09/20	15:50:00	59.7	61.6	60.6	60.0	59.4	58.8	58.4
2012/09/20	16:00:00	59.4	61.6	60.4	59.8	59.2	58.7	58.3
2012/09/20	16:10:00	59.2	61.7	60.0	59.4	58.8	58.0	57.5
2012/09/20	16:20:00	58.4	60.8	59.6	58.8	58.1	57.5	56.8
2012/09/20	16:30:00	58.8	65.9	59.5	58.4	57.6	57.0	56.6
2012/09/20	16:40:00	57.7	59.8	58.8	58.1	57.5	56.9	56.4
2012/09/20	16:50:00	58.4	63.8	59.1	58.5	57.9	57.3	56.9
2012/09/20	17:00:00	57.3	58.5	58.1	57.7	57.2	56.8	56.3
2012/09/20	17:10:00	57.2	59.5	58.4	57.5	57.0	56.5	56.2
2012/09/20	17:20:00	58.1	62.3	59.2	58.2	57.7	57.3	56.9
2012/09/20	17:30:00	57.9	59.6	58.6	58.2	57.7	57.3	57.0
2012/09/20	17:40:00	57.2	58.8	58.1	57.5	57.1	56.7	56.3
2012/09/20	17:50:00	57.5	59.2	58.5	57.9	57.4	56.9	56.6

**M2 Mobile Home Park
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	18:00:00	57.6	59.8	58.3	57.5	57.1	56.8	56.5
2012/09/20	18:10:00	57.3	58.9	58.1	57.6	57.2	56.9	56.5
2012/09/20	18:20:00	57.3	59.0	58.2	57.6	57.2	56.7	56.4
2012/09/20	18:30:00	57.4	58.6	58.2	57.9	57.3	56.8	56.5
2012/09/20	18:40:00	58.4	63.7	59.4	58.0	57.5	57.1	56.7
2012/09/20	18:50:00	58.0	60.5	58.8	58.2	57.8	57.4	57.1
2012/09/20	19:00:00	58.1	59.9	59.0	58.5	58.0	57.5	57.2
2012/09/20	19:10:00	62.2	66.5	60.1	58.8	58.3	57.8	57.5
2012/09/20	19:20:00	58.2	59.4	58.9	58.5	58.1	57.7	57.4
2012/09/20	19:30:00	58.7	61.8	59.7	58.8	58.5	58.1	57.9
2012/09/20	19:40:00	58.5	59.6	59.1	58.8	58.6	58.2	57.8
2012/09/20	19:50:00	58.6	60.7	59.3	58.9	58.5	58.2	57.9
2012/09/20	20:00:00	58.8	61.4	59.8	59.0	58.5	58.2	58.0
2012/09/20	20:10:00	58.1	59.7	58.6	58.3	58.0	57.7	57.4
2012/09/20	20:20:00	57.9	59.1	58.5	58.1	57.8	57.5	57.3
2012/09/20	20:30:00	58.0	59.6	58.6	58.2	57.8	57.4	57.2
2012/09/20	20:40:00	57.4	58.4	58.1	57.7	57.4	57.0	56.7
2012/09/20	20:50:00	58.7	65.4	59.3	58.4	57.9	57.6	57.3
2012/09/20	21:00:00	58.3	59.4	58.8	58.5	58.3	58.0	57.7
2012/09/20	21:10:00	58.9	60.2	59.6	59.1	58.8	58.5	58.3
2012/09/20	21:20:00	60.3	61.1	60.9	60.7	60.4	59.8	59.4
2012/09/20	21:30:00	61.3	62.5	61.7	61.5	61.2	61.0	60.9
2012/09/20	21:40:00	62.3	63.7	63.0	62.5	62.2	61.9	61.7
2012/09/20	21:50:00	63.8	65.3	65.0	64.3	63.6	63.0	62.6
2012/09/20	22:00:00	65.4	67.7	66.9	66.0	65.1	64.3	63.8
2012/09/20	22:10:00	66.2	68.9	67.5	66.8	66.0	65.2	64.7
2012/09/20	22:20:00	66.1	68.6	67.4	66.6	66.0	65.3	64.7
2012/09/20	22:30:00	66.0	67.8	67.2	66.5	65.9	65.3	64.6
2012/09/20	22:40:00	66.7	69.2	68.1	67.3	66.5	65.7	65.1
2012/09/20	22:50:00	66.2	68.3	67.4	66.7	66.1	65.5	65.1
2012/09/20	23:00:00	66.2	68.2	67.4	66.8	66.0	65.3	64.8
2012/09/20	23:10:00	66.5	68.8	67.8	67.0	66.3	65.7	65.2
2012/09/20	23:20:00	65.6	67.1	66.5	66.0	65.5	64.9	64.4
2012/09/20	23:30:00	65.6	67.2	66.6	66.0	65.5	64.9	64.5
2012/09/20	23:40:00	65.6	67.4	66.6	66.1	65.4	65.0	64.6
2012/09/20	23:50:00	65.3	66.7	66.2	65.7	65.2	64.8	64.5
2012/09/21	00:00:00	65.3	66.8	66.3	65.6	65.2	64.9	64.6
2012/09/21	00:10:00	66.0	69.7	67.5	66.2	65.7	65.2	64.8
2012/09/21	00:20:00	65.6	66.9	66.4	65.9	65.5	65.2	64.9
2012/09/21	00:30:00	65.7	67.1	66.5	66.0	65.6	65.2	64.9
2012/09/21	00:40:00	65.8	67.8	66.9	66.1	65.5	65.0	64.6
2012/09/21	00:50:00	65.5	66.9	66.3	65.8	65.4	65.0	64.7
2012/09/21	01:00:00	65.4	66.5	66.1	65.6	65.3	64.9	64.7

**M2 Mobile Home Park
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/21	01:10:00	65.5	66.9	66.3	65.8	65.5	65.2	64.8
2012/09/21	01:20:00	65.5	66.8	66.3	65.9	65.4	65.0	64.7
2012/09/21	01:30:00	65.8	67.2	66.6	66.1	65.7	65.3	65.0
2012/09/21	01:40:00	65.6	67.1	66.4	65.8	65.5	65.1	64.8
2012/09/21	01:50:00	65.7	67.4	66.6	66.1	65.6	65.1	64.7
2012/09/21	02:00:00	65.5	66.8	66.4	65.8	65.5	65.1	64.8
2012/09/21	02:10:00	65.7	67.1	66.5	66.0	65.6	65.3	65.1
2012/09/21	02:20:00	66.0	67.5	66.8	66.3	65.9	65.6	65.4
2012/09/21	02:30:00	65.9	67.4	66.7	66.3	65.9	65.4	65.0
2012/09/21	02:40:00	65.7	67.0	66.4	65.9	65.6	65.2	65.0
2012/09/21	02:50:00	65.9	67.5	67.0	66.3	65.7	65.3	65.0
2012/09/21	03:00:00	65.4	67.0	66.3	65.7	65.3	65.0	64.7
2012/09/21	03:10:00	65.5	67.0	66.4	65.8	65.4	65.1	64.8
2012/09/21	03:20:00	65.5	67.3	66.6	65.9	65.3	64.9	64.7
2012/09/21	03:30:00	65.5	67.0	66.5	65.9	65.4	64.9	64.6
2012/09/21	03:40:00	65.2	67.0	66.2	65.6	65.0	64.6	64.3
2012/09/21	03:50:00	65.3	67.2	66.3	65.6	65.1	64.7	64.4
2012/09/21	04:00:00	65.2	66.7	66.1	65.5	65.1	64.7	64.3
2012/09/21	04:10:00	65.6	66.9	66.4	65.9	65.5	65.1	64.8
2012/09/21	04:20:00	65.7	67.2	66.6	66.1	65.6	65.2	65.0
2012/09/21	04:30:00	65.1	66.2	65.7	65.3	65.1	64.8	64.5
2012/09/21	04:40:00	65.2	66.4	65.8	65.5	65.2	64.9	64.6
2012/09/21	04:50:00	64.9	66.4	65.8	65.2	64.6	64.3	64.2
2012/09/21	05:00:00	64.9	66.5	65.8	65.3	64.6	64.3	64.1
2012/09/21	05:10:00	65.0	67.1	65.7	65.2	64.8	64.5	64.3
2012/09/21	05:20:00	64.5	65.4	65.0	64.7	64.4	64.2	64.0
2012/09/21	05:30:00	64.7	65.2	65.1	64.9	64.7	64.5	64.4
2012/09/21	05:40:00	64.5	65.2	65.0	64.8	64.6	64.2	64.0
2012/09/21	05:50:00	64.2	65.0	64.7	64.4	64.2	64.0	63.8
2012/09/21	06:00:00	62.7	64.4	63.9	63.4	62.3	61.8	61.5
2012/09/21	06:10:00	61.7	63.9	62.1	61.8	61.6	61.4	61.1
2012/09/21	06:20:00	60.7	61.6	61.3	61.0	60.7	60.2	59.9
2012/09/21	06:30:00	60.0	62.1	60.5	60.2	59.9	59.7	59.5
2012/09/21	06:40:00	59.8	61.7	60.7	60.2	59.7	59.2	58.8
2012/09/21	06:50:00	59.4	61.5	60.2	59.6	59.2	58.9	58.5
2012/09/21	07:00:00	59.6	61.8	60.4	59.7	59.4	59.2	59.0
2012/09/21	07:10:00	59.2	60.2	59.8	59.3	59.1	58.9	58.8
2012/09/21	07:20:00	59.2	60.4	59.7	59.4	59.1	58.9	58.7
2012/09/21	07:30:00	59.9	63.6	60.7	59.8	59.6	59.3	59.0
2012/09/21	07:40:00	59.7	61.8	60.2	59.9	59.6	59.3	59.0
2012/09/21	07:50:00	59.6	60.6	60.3	59.9	59.6	59.3	59.0
2012/09/21	08:00:00	60.0	61.8	60.6	60.2	59.9	59.6	59.3
2012/09/21	08:10:00	59.9	61.4	60.7	60.1	59.8	59.5	59.2

**M2 Mobile Home Park
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/21	08:20:00	59.5	60.6	60.3	59.9	59.5	59.1	58.8
2012/09/21	08:30:00	59.3	60.6	60.2	59.8	59.3	58.8	58.2
2012/09/21	08:40:00	59.6	60.7	60.1	59.8	59.6	59.3	59.0
2012/09/21	08:50:00	59.9	61.8	60.6	60.0	59.7	59.5	59.2
2012/09/21	09:00:00	59.2	60.9	59.9	59.4	59.1	58.8	58.5
2012/09/21	09:10:00	59.2	60.1	59.7	59.4	59.1	58.9	58.6
2012/09/21	09:20:00	59.2	60.0	59.7	59.4	59.2	58.9	58.7
2012/09/21	09:30:00	59.5	62.4	60.6	59.6	59.2	58.9	58.6
2012/09/21	09:40:00	59.6	60.9	60.2	59.8	59.5	59.2	59.0
2012/09/21	09:50:00	59.4	60.8	60.0	59.6	59.3	59.1	58.8
2012/09/21	10:00:00	59.4	60.6	60.1	59.7	59.4	59.0	58.8
2012/09/21	10:10:00	59.7	61.5	60.4	60.0	59.6	59.2	58.8
2012/09/21	10:20:00	59.8	61.3	60.7	60.1	59.7	59.3	59.0
2012/09/21	10:30:00	60.0	61.3	60.8	60.4	59.9	59.6	59.3
2012/09/21	10:40:00	60.5	62.4	61.2	60.7	60.4	60.0	59.7
2012/09/21	10:50:00	60.3	62.9	60.8	60.5	60.2	59.8	59.5
2012/09/21	11:00:00	59.8	61.2	60.5	60.1	59.7	59.3	59.0
2012/09/21	11:10:00	60.2	64.9	61.7	60.2	59.6	59.2	58.8
2012/09/21	11:20:00	59.8	61.9	60.4	60.0	59.6	59.3	59.1
2012/09/21	11:30:00	60.1	61.5	60.8	60.4	59.9	59.6	59.4
2012/09/21	11:40:00	60.4	61.9	61.1	60.6	60.3	60.0	59.7
2012/09/21	11:50:00	60.3	61.6	61.0	60.6	60.2	59.9	59.6
2012/09/21	12:00:00	60.4	64.8	61.5	60.4	59.9	59.5	59.1
2012/09/21	12:10:00	60.1	61.1	60.8	60.4	60.1	59.7	59.5
2012/09/21	12:20:00	60.1	61.2	60.7	60.3	60.0	59.7	59.4

M3 Hula Circle
Sound Level Time Series
Huntington Beach Energy Project

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/19	14:40:00	73.8	82.8	68.3	61.5	56.4	52.9	51.2
2012/09/19	14:50:00	52.9	57.5	55.8	53.5	51.8	50.8	50.1
2012/09/19	15:00:00	54.9	64.5	57.1	53.7	51.7	50.4	49.7
2012/09/19	15:10:00	52.8	58.4	55.2	53.4	51.7	50.6	49.9
2012/09/19	15:20:00	52.9	58.2	55.4	53.5	51.8	50.6	49.3
2012/09/19	15:30:00	53.0	56.4	55.2	53.7	52.5	51.3	50.7
2012/09/19	15:40:00	58.0	62.6	57.5	54.7	53.3	52.2	51.4
2012/09/19	15:50:00	55.4	62.0	59.1	55.2	53.2	51.7	50.8
2012/09/19	16:00:00	53.0	57.0	55.5	53.7	52.2	51.2	50.4
2012/09/19	16:10:00	54.1	60.8	56.6	53.9	52.7	51.9	51.2
2012/09/19	16:20:00	53.9	58.1	55.9	54.4	53.1	52.3	51.5
2012/09/19	16:30:00	58.9	64.4	57.2	54.9	53.5	52.5	51.8
2012/09/19	16:40:00	53.4	59.0	55.7	53.8	52.6	51.6	50.5
2012/09/19	16:50:00	52.9	57.6	55.1	53.4	52.1	51.0	50.4
2012/09/19	17:00:00	54.5	61.3	57.0	54.2	52.6	51.5	50.8
2012/09/19	17:10:00	57.7	66.3	56.9	54.7	53.3	52.2	51.4
2012/09/19	17:20:00	55.1	65.1	57.2	54.4	52.7	51.4	50.4
2012/09/19	17:30:00	52.7	57.3	55.3	53.5	52.1	50.5	49.7
2012/09/19	17:40:00	60.7	73.8	61.1	54.7	52.8	51.2	50.4
2012/09/19	17:50:00	52.6	58.4	55.1	53.2	51.4	50.0	48.8
2012/09/19	18:00:00	53.2	58.1	55.4	53.6	51.8	50.3	49.3
2012/09/19	18:10:00	53.5	59.1	55.8	54.1	52.4	51.0	49.9
2012/09/19	18:20:00	52.7	57.1	55.3	53.5	51.9	50.5	49.8
2012/09/19	18:30:00	52.8	58.4	55.1	53.3	51.7	50.6	49.8
2012/09/19	18:40:00	54.5	61.8	56.7	53.6	51.6	50.4	49.4
2012/09/19	18:50:00	54.3	62.6	56.6	54.4	52.0	50.6	49.6
2012/09/19	19:00:00	52.3	57.2	55.2	53.1	51.2	50.1	49.4
2012/09/19	19:10:00	59.1	70.8	61.6	55.5	52.2	50.6	49.5
2012/09/19	19:20:00	51.9	57.5	54.0	52.2	50.9	49.9	49.3
2012/09/19	19:30:00	51.9	56.8	55.0	52.6	50.7	49.6	48.7
2012/09/19	19:40:00	51.8	59.1	54.4	52.1	50.1	48.9	48.2
2012/09/19	19:50:00	51.5	57.2	54.4	52.4	50.4	48.9	47.6
2012/09/19	20:00:00	51.5	58.1	54.3	51.6	49.6	48.5	47.9
2012/09/19	20:10:00	49.9	54.9	53.0	50.5	48.6	47.3	46.6
2012/09/19	20:20:00	51.1	59.6	53.4	50.8	49.3	48.2	47.2
2012/09/19	20:30:00	49.4	54.8	52.1	50.2	48.2	46.9	46.3
2012/09/19	20:40:00	48.7	53.8	51.7	49.5	47.5	46.2	45.2
2012/09/19	20:50:00	48.0	52.9	51.0	48.7	47.1	45.5	44.7
2012/09/19	21:00:00	48.7	53.9	51.3	49.1	47.6	46.0	44.8
2012/09/19	21:10:00	48.6	54.8	51.7	49.3	47.2	45.4	43.8
2012/09/19	21:20:00	49.7	58.9	51.3	48.3	46.3	44.7	44.0
2012/09/19	21:30:00	47.7	53.1	49.6	47.3	45.8	44.6	44.0
2012/09/19	21:40:00	46.8	52.9	49.5	47.1	45.3	44.1	43.4

M3 Hula Circle
Sound Level Time Series
Huntington Beach Energy Project

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/19	21:50:00	46.0	52.0	49.1	46.5	44.3	43.5	43.1
2012/09/19	22:00:00	47.3	53.3	50.0	47.4	45.7	44.1	43.1
2012/09/19	22:10:00	48.1	55.8	50.5	47.8	45.7	44.3	43.5
2012/09/19	22:20:00	48.0	57.5	50.4	46.6	44.5	43.7	43.1
2012/09/19	22:30:00	48.9	58.4	50.6	48.2	46.5	45.0	44.0
2012/09/19	22:40:00	46.2	51.0	48.9	46.7	45.2	44.1	43.5
2012/09/19	22:50:00	45.2	52.0	48.8	45.2	43.0	42.0	41.5
2012/09/19	23:00:00	46.0	51.4	48.6	45.2	43.0	41.7	41.1
2012/09/19	23:10:00	44.2	49.6	47.4	44.9	42.6	41.7	41.1
2012/09/19	23:20:00	43.8	50.5	47.3	43.6	41.8	40.9	40.5
2012/09/19	23:30:00	44.4	51.9	46.4	42.7	41.8	41.2	40.9
2012/09/19	23:40:00	43.8	50.4	45.5	43.2	42.1	41.7	41.4
2012/09/19	23:50:00	44.9	51.4	48.6	44.4	43.1	42.3	41.9
2012/09/20	00:00:00	43.2	49.0	45.6	43.1	42.4	41.6	41.0
2012/09/20	00:10:00	42.6	49.2	43.4	42.4	41.7	41.3	41.0
2012/09/20	00:20:00	45.3	53.7	48.3	45.5	42.3	41.2	40.6
2012/09/20	00:30:00	46.7	54.2	48.4	41.9	40.9	40.4	40.1
2012/09/20	00:40:00	44.8	51.3	45.9	43.4	41.4	40.8	40.5
2012/09/20	00:50:00	43.8	51.4	44.8	42.2	41.4	40.9	40.6
2012/09/20	01:00:00	41.8	46.3	42.9	41.7	41.3	40.9	40.6
2012/09/20	01:10:00	42.1	46.0	42.7	42.1	41.7	41.4	41.0
2012/09/20	01:20:00	44.0	51.2	47.0	42.7	42.2	41.9	41.6
2012/09/20	01:30:00	42.0	48.0	43.5	42.2	40.9	40.4	40.1
2012/09/20	01:40:00	41.4	47.3	41.7	41.1	40.6	40.3	40.0
2012/09/20	01:50:00	43.3	51.4	43.1	41.6	41.0	40.7	40.4
2012/09/20	02:00:00	40.8	42.7	41.8	41.1	40.6	40.1	39.8
2012/09/20	02:10:00	42.0	47.2	43.9	42.1	41.0	40.4	40.0
2012/09/20	02:20:00	40.7	42.0	41.6	41.0	40.7	40.3	40.0
2012/09/20	02:30:00	42.6	50.2	46.3	41.2	40.6	40.3	40.0
2012/09/20	02:40:00	40.5	41.7	41.3	40.8	40.4	40.0	39.7
2012/09/20	02:50:00	42.1	50.2	43.5	41.2	40.5	39.9	39.5
2012/09/20	03:00:00	40.2	41.4	40.8	40.4	40.1	39.8	39.6
2012/09/20	03:10:00	41.8	49.0	43.1	41.3	40.8	40.3	39.9
2012/09/20	03:20:00	42.1	46.5	43.9	41.9	41.6	41.3	41.0
2012/09/20	03:30:00	41.7	46.4	42.5	41.7	41.3	40.8	40.3
2012/09/20	03:40:00	45.1	48.3	47.1	46.1	44.6	43.5	42.5
2012/09/20	03:50:00	46.1	49.3	47.2	46.7	46.0	45.2	43.9
2012/09/20	04:00:00	47.9	50.1	49.3	48.5	47.9	47.1	45.9
2012/09/20	04:10:00	48.1	51.3	48.9	48.5	48.0	47.4	46.9
2012/09/20	04:20:00	47.6	50.2	48.9	48.1	47.2	46.7	46.3
2012/09/20	04:30:00	47.6	50.6	49.7	48.7	47.1	45.7	45.1
2012/09/20	04:40:00	44.7	49.1	45.9	44.9	44.2	43.7	43.1
2012/09/20	04:50:00	44.7	51.7	45.7	43.1	42.0	41.3	40.9

M3 Hula Circle
Sound Level Time Series
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Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	05:00:00	41.6	46.1	43.4	41.5	40.9	40.5	40.1
2012/09/20	05:10:00	44.0	51.2	46.4	43.3	42.4	41.9	41.6
2012/09/20	05:20:00	45.7	52.5	48.6	44.8	43.5	43.0	42.7
2012/09/20	05:30:00	46.5	53.5	49.3	46.1	44.4	43.7	43.3
2012/09/20	05:40:00	47.1	52.4	50.4	47.7	45.8	44.3	43.9
2012/09/20	05:50:00	47.3	53.8	50.9	47.9	44.9	44.1	43.5
2012/09/20	06:00:00	47.9	55.7	51.5	47.6	44.9	43.6	43.1
2012/09/20	06:10:00	49.0	56.2	52.1	49.0	47.3	46.0	44.9
2012/09/20	06:20:00	50.3	57.4	53.8	50.8	48.1	45.9	44.5
2012/09/20	06:30:00	49.4	55.9	53.7	49.9	47.1	45.0	44.0
2012/09/20	06:40:00	49.9	55.3	53.6	51.0	48.5	46.3	44.6
2012/09/20	06:50:00	52.1	59.4	56.2	52.7	49.4	47.4	45.7
2012/09/20	07:00:00	51.8	60.2	54.1	50.6	48.2	46.0	44.5
2012/09/20	07:10:00	50.9	59.4	54.1	50.6	48.3	46.1	44.4
2012/09/20	07:20:00	50.1	56.4	54.1	50.9	47.6	45.2	42.8
2012/09/20	07:30:00	51.0	59.3	54.3	51.4	48.9	46.1	43.8
2012/09/20	07:40:00	49.8	55.7	53.4	51.0	48.0	44.7	42.7
2012/09/20	07:50:00	50.2	56.8	53.8	50.9	48.3	46.1	44.1
2012/09/20	08:00:00	51.1	57.3	54.7	51.5	49.6	47.3	45.3
2012/09/20	08:10:00	53.9	62.8	57.5	53.0	49.8	47.7	46.5
2012/09/20	08:20:00	53.6	60.5	57.3	54.0	51.9	49.4	47.4
2012/09/20	08:30:00	56.2	63.6	57.4	53.5	51.3	48.9	47.7
2012/09/20	08:40:00	52.5	59.4	55.9	52.6	50.6	48.5	46.7
2012/09/20	08:50:00	53.1	59.0	54.9	52.4	49.7	47.7	46.3
2012/09/20	09:00:00	51.5	60.2	54.8	51.5	48.6	46.7	45.2
2012/09/20	09:10:00	49.7	55.9	52.7	50.4	48.6	46.6	44.8
2012/09/20	09:20:00	50.7	57.9	53.8	51.2	48.7	46.8	45.3
2012/09/20	09:30:00	50.6	57.9	51.2	48.4	46.5	44.8	43.1
2012/09/20	09:40:00	50.4	58.6	54.0	50.9	48.0	46.1	44.9
2012/09/20	09:50:00	48.6	53.9	51.6	48.8	47.3	46.1	45.2
2012/09/20	10:00:00	49.6	56.0	52.1	50.0	48.2	46.8	46.0
2012/09/20	10:10:00	49.1	55.5	52.1	49.3	47.1	45.8	45.0
2012/09/20	10:20:00	49.2	55.2	52.2	49.8	47.7	46.3	45.5
2012/09/20	10:30:00	51.0	58.5	53.8	50.8	48.8	47.3	46.2
2012/09/20	10:40:00	49.9	54.9	52.6	50.6	49.1	47.5	46.7
2012/09/20	10:50:00	51.2	56.1	53.1	50.5	48.8	47.2	46.1
2012/09/20	11:00:00	49.6	55.7	53.1	50.1	48.0	46.5	45.7
2012/09/20	11:10:00	49.2	54.4	52.0	49.9	48.0	46.6	45.3
2012/09/20	11:20:00	50.1	59.8	52.1	49.0	47.2	46.0	45.4
2012/09/20	11:30:00	51.5	59.5	54.5	51.6	49.6	47.2	46.0
2012/09/20	11:40:00	50.5	57.4	52.8	51.0	49.0	47.7	46.7
2012/09/20	11:50:00	50.2	56.1	52.6	50.5	49.0	47.9	47.3
2012/09/20	12:00:00	51.0	58.9	52.8	50.7	49.3	48.0	47.2

M3 Hula Circle
Sound Level Time Series
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Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	12:10:00	52.3	58.6	55.4	52.8	51.0	49.2	48.2
2012/09/20	12:20:00	53.9	60.5	57.2	53.7	52.1	50.8	49.8
2012/09/20	12:30:00	52.1	56.9	54.5	52.5	51.2	50.2	49.2
2012/09/20	12:40:00	51.3	54.9	53.4	52.0	50.7	49.6	48.7
2012/09/20	12:50:00	51.3	56.5	53.3	51.8	50.5	49.5	48.3
2012/09/20	13:00:00	50.4	55.9	52.3	50.9	49.7	48.6	47.9
2012/09/20	13:10:00	52.0	57.4	54.2	52.4	51.0	49.8	48.9
2012/09/20	13:20:00	51.6	57.4	54.4	52.1	50.5	49.2	47.8
2012/09/20	13:30:00	53.0	58.9	55.7	53.5	51.9	50.9	49.9
2012/09/20	13:40:00	55.9	64.0	56.3	53.6	51.9	50.6	49.6
2012/09/20	13:50:00	52.5	56.6	54.7	53.0	51.9	50.8	50.1
2012/09/20	14:00:00	53.8	59.6	56.3	54.0	52.5	51.1	50.2
2012/09/20	14:10:00	52.0	57.4	53.8	52.6	51.1	49.9	49.1
2012/09/20	14:20:00	51.8	56.1	54.2	52.3	51.1	50.0	49.1
2012/09/20	14:30:00	53.3	59.7	56.4	53.6	51.7	50.4	49.2
2012/09/20	14:40:00	53.9	61.4	57.1	53.2	51.6	50.5	49.7
2012/09/20	14:50:00	54.4	64.9	54.5	52.6	50.8	49.3	48.5
2012/09/20	15:00:00	52.5	58.1	55.0	53.1	51.5	50.1	49.0
2012/09/20	15:10:00	53.9	62.2	56.3	53.1	51.7	50.4	49.5
2012/09/20	15:20:00	54.1	57.2	53.8	52.1	50.6	49.4	48.6
2012/09/20	15:30:00	50.7	55.8	53.2	51.1	49.5	48.3	47.4
2012/09/20	15:40:00	53.2	60.6	55.9	52.7	50.5	49.0	47.9
2012/09/20	15:50:00	52.9	58.9	55.8	53.5	51.7	50.2	49.4
2012/09/20	16:00:00	53.7	57.8	55.7	54.0	52.8	51.9	51.1
2012/09/20	16:10:00	53.9	59.9	56.1	54.1	52.6	51.8	51.2
2012/09/20	16:20:00	53.6	60.5	56.1	53.6	52.3	51.3	50.4
2012/09/20	16:30:00	55.5	65.3	57.7	54.7	52.6	51.5	50.9
2012/09/20	16:40:00	53.9	58.8	55.4	54.0	52.2	51.4	50.9
2012/09/20	16:50:00	56.8	63.7	58.1	55.2	53.7	52.3	51.0
2012/09/20	17:00:00	53.8	59.8	55.3	53.7	52.5	51.4	50.4
2012/09/20	17:10:00	55.0	62.5	56.4	54.2	52.6	51.7	51.1
2012/09/20	17:20:00	54.1	59.2	56.8	54.6	53.0	51.8	51.0
2012/09/20	17:30:00	54.1	59.8	57.2	54.6	52.8	51.4	50.6
2012/09/20	17:40:00	53.1	57.1	55.7	54.1	52.3	51.1	50.5
2012/09/20	17:50:00	54.4	61.6	56.9	54.5	53.1	51.6	50.6
2012/09/20	18:00:00	55.0	62.6	57.6	54.8	53.6	52.2	51.2
2012/09/20	18:10:00	54.4	59.5	56.8	54.9	53.6	52.5	51.8
2012/09/20	18:20:00	54.5	62.0	57.3	54.6	53.0	51.8	50.9
2012/09/20	18:30:00	54.9	59.5	56.8	54.4	53.2	52.1	51.0
2012/09/20	18:40:00	53.9	61.1	56.6	54.4	52.1	50.6	49.7
2012/09/20	18:50:00	52.1	55.7	54.4	52.8	51.4	50.4	49.5
2012/09/20	19:00:00	51.8	57.5	53.9	51.8	50.4	49.1	48.5
2012/09/20	19:10:00	52.9	58.7	55.9	53.2	51.0	49.3	48.5

M3 Hula Circle
Sound Level Time Series
Huntington Beach Energy Project

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	19:20:00	52.0	58.1	54.2	52.4	50.9	49.5	48.5
2012/09/20	19:30:00	53.5	63.7	54.8	52.3	50.8	49.7	48.9
2012/09/20	19:40:00	50.8	55.8	53.6	50.9	49.5	48.6	48.1
2012/09/20	19:50:00	51.8	57.8	54.3	52.3	50.6	49.4	48.8
2012/09/20	20:00:00	52.5	59.3	54.5	52.7	51.1	49.8	49.1
2012/09/20	20:10:00	51.5	57.9	53.1	51.7	50.6	49.6	48.9
2012/09/20	20:20:00	52.3	55.8	54.1	52.9	51.9	50.8	49.9
2012/09/20	20:30:00	50.9	54.8	53.0	51.6	50.3	49.1	48.5
2012/09/20	20:40:00	49.9	53.3	51.8	50.6	49.5	48.3	47.9
2012/09/20	20:50:00	49.8	55.4	52.8	50.3	48.7	47.6	47.0
2012/09/20	21:00:00	50.5	56.1	52.4	50.5	49.5	48.7	48.0
2012/09/20	21:10:00	49.5	53.9	51.9	49.8	48.6	47.9	47.4
2012/09/20	21:20:00	49.5	53.4	51.6	49.8	49.0	48.2	47.7
2012/09/20	21:30:00	50.4	55.1	52.1	50.5	49.5	48.9	48.4
2012/09/20	21:40:00	51.7	60.0	53.5	50.9	49.9	48.4	47.6
2012/09/20	21:50:00	50.5	59.6	52.1	49.6	47.9	47.0	46.5
2012/09/20	22:00:00	46.6	51.1	49.6	47.3	45.4	44.3	43.3
2012/09/20	22:10:00	48.3	55.5	51.5	48.0	45.7	44.1	43.5
2012/09/20	22:20:00	48.3	55.7	51.8	48.6	45.8	44.2	43.4
2012/09/20	22:30:00	48.0	53.8	51.2	48.8	46.5	44.6	43.7
2012/09/20	22:40:00	45.6	51.2	48.3	46.1	44.4	43.5	42.7
2012/09/20	22:50:00	47.8	56.3	49.6	47.3	44.9	43.5	42.7
2012/09/20	23:00:00	48.3	56.2	52.0	48.9	45.2	43.2	42.4
2012/09/20	23:10:00	45.0	51.3	48.0	45.3	43.4	42.5	41.9
2012/09/20	23:20:00	45.3	52.2	48.8	45.6	42.9	42.0	41.4
2012/09/20	23:30:00	44.1	51.0	47.8	43.6	42.2	41.4	41.0
2012/09/20	23:40:00	46.7	52.9	47.4	44.6	42.2	41.4	40.8
2012/09/20	23:50:00	44.3	51.5	47.6	44.3	42.4	41.3	40.6
2012/09/21	00:00:00	42.6	48.5	44.7	42.5	41.7	41.1	40.6
2012/09/21	00:10:00	43.1	50.5	45.7	42.8	41.4	40.8	40.3
2012/09/21	00:20:00	43.9	50.9	47.4	43.6	41.9	41.2	40.4
2012/09/21	00:30:00	43.8	49.5	46.4	43.6	42.7	42.2	41.9
2012/09/21	00:40:00	44.0	49.3	46.6	44.4	43.1	42.2	41.5
2012/09/21	00:50:00	44.1	50.9	46.5	43.2	42.4	42.0	41.7
2012/09/21	01:00:00	43.8	50.6	46.2	43.2	42.4	41.9	41.7
2012/09/21	01:10:00	43.8	50.8	45.4	43.1	42.4	41.9	41.6
2012/09/21	01:20:00	45.1	55.1	47.1	42.1	41.6	41.1	40.1
2012/09/21	01:30:00	42.1	49.3	44.2	41.7	40.7	39.8	39.3
2012/09/21	01:40:00	41.5	47.8	42.9	41.3	40.5	39.7	39.2
2012/09/21	01:50:00	41.8	47.9	45.0	41.2	40.4	39.7	39.1
2012/09/21	02:00:00	41.2	47.7	42.2	40.8	40.3	39.8	39.4
2012/09/21	02:10:00	40.9	46.5	42.3	40.7	39.9	39.4	39.0
2012/09/21	02:20:00	41.9	50.4	43.7	40.8	39.8	39.1	38.7

M3 Hula Circle
Sound Level Time Series
Huntington Beach Energy Project

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/21	02:30:00	41.2	50.2	41.2	39.2	38.6	38.1	37.8
2012/09/21	02:40:00	39.0	46.2	40.0	38.7	38.1	37.6	37.2
2012/09/21	02:50:00	40.1	48.3	42.9	38.8	37.9	37.5	37.1
2012/09/21	03:00:00	41.4	49.4	41.5	38.9	38.2	37.6	37.2
2012/09/21	03:10:00	39.5	45.6	42.7	38.9	37.9	37.4	36.9
2012/09/21	03:20:00	38.3	44.5	38.8	38.0	37.6	37.3	36.9
2012/09/21	03:30:00	40.1	48.6	42.9	39.4	37.4	36.8	36.5
2012/09/21	03:40:00	37.6	40.7	37.9	37.5	37.2	36.9	36.7
2012/09/21	03:50:00	39.1	46.4	40.6	38.2	37.5	37.1	36.7
2012/09/21	04:00:00	38.2	41.5	38.6	38.1	37.6	37.3	37.0
2012/09/21	04:10:00	39.2	48.0	39.1	38.0	37.4	36.9	36.6
2012/09/21	04:20:00	42.5	47.3	38.5	37.7	37.4	37.2	37.0
2012/09/21	04:30:00	49.5	61.1	42.7	39.3	38.7	38.1	37.5
2012/09/21	04:40:00	39.9	48.6	40.5	38.7	38.3	38.0	37.6
2012/09/21	04:50:00	42.0	50.4	44.3	39.7	38.9	38.5	38.1
2012/09/21	05:00:00	40.4	47.1	42.4	40.5	39.0	38.3	37.8
2012/09/21	05:10:00	49.7	61.5	46.9	41.0	39.1	38.5	38.1
2012/09/21	05:20:00	44.4	52.4	45.7	42.5	40.5	39.7	39.2
2012/09/21	05:30:00	45.9	54.2	49.1	45.8	42.9	40.8	39.8
2012/09/21	05:40:00	44.1	51.4	48.3	44.0	40.6	39.6	39.2
2012/09/21	05:50:00	47.3	57.7	49.6	46.0	42.7	40.3	39.7
2012/09/21	06:00:00	56.1	58.5	57.4	56.7	55.8	55.2	54.9
2012/09/21	06:10:00	55.9	58.2	57.4	56.5	56.0	55.6	50.1
2012/09/21	06:20:00	49.3	55.4	52.9	50.4	47.3	44.4	42.5
2012/09/21	06:30:00	49.5	57.7	52.9	49.3	46.6	44.2	42.7
2012/09/21	06:40:00	51.1	56.5	54.9	52.8	49.6	46.1	43.0
2012/09/21	06:50:00	50.0	57.2	53.5	51.0	48.1	45.2	43.7
2012/09/21	07:00:00	50.2	56.7	53.5	51.0	48.9	45.9	44.3
2012/09/21	07:10:00	50.1	57.8	53.6	50.4	47.4	44.8	43.3
2012/09/21	07:20:00	49.6	55.6	53.1	50.1	48.1	46.0	44.1
2012/09/21	07:30:00	55.1	65.0	58.3	54.2	51.5	48.1	45.8
2012/09/21	07:40:00	50.5	58.0	53.9	51.3	48.7	46.4	43.9
2012/09/21	07:50:00	52.6	60.5	56.4	53.2	50.7	47.5	45.5
2012/09/21	08:00:00	52.1	60.0	55.5	52.5	49.7	47.1	44.1
2012/09/21	08:10:00	54.8	62.9	56.8	53.4	50.6	46.6	45.0
2012/09/21	08:20:00	52.3	60.3	56.0	53.0	50.0	47.5	45.5
2012/09/21	08:30:00	52.5	59.4	55.3	53.3	50.9	48.3	46.8
2012/09/21	08:40:00	51.7	58.1	55.1	52.4	50.3	48.3	46.6
2012/09/21	08:50:00	52.4	58.5	54.1	51.7	49.3	46.9	44.6
2012/09/21	09:00:00	51.6	58.2	55.4	52.1	50.0	47.9	46.4
2012/09/21	09:10:00	50.2	56.3	53.7	51.4	48.4	45.5	43.6
2012/09/21	09:20:00	51.4	59.6	55.3	50.9	48.0	45.3	43.8
2012/09/21	09:30:00	55.2	65.8	59.8	53.1	49.3	46.7	44.5

M3 Hula Circle
Sound Level Time Series
Huntington Beach Energy Project

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/21	09:40:00	50.8	58.6	54.1	50.9	48.7	46.2	44.9
2012/09/21	09:50:00	49.6	56.8	52.9	50.4	47.7	45.5	43.7
2012/09/21	10:00:00	50.2	57.2	53.6	50.9	48.3	46.5	45.0
2012/09/21	10:10:00	50.5	56.4	53.3	50.6	48.7	47.1	46.0
2012/09/21	10:20:00	53.8	61.1	56.8	53.8	51.4	48.7	47.2
2012/09/21	10:30:00	52.3	63.8	55.0	50.0	47.3	45.5	44.7
2012/09/21	10:40:00	50.8	57.8	53.0	50.7	48.6	46.7	45.1
2012/09/21	10:50:00	49.5	55.5	52.5	50.4	48.2	46.3	45.1
2012/09/21	11:00:00	49.8	57.4	52.5	49.8	48.1	46.3	45.1
2012/09/21	11:10:00	52.3	61.4	55.6	51.8	49.4	47.0	45.8
2012/09/21	11:20:00	57.4	63.8	55.4	51.1	49.0	46.9	45.6
2012/09/21	11:30:00	51.4	58.2	55.3	51.5	49.2	47.5	46.4
2012/09/21	11:40:00	50.6	57.3	52.8	50.8	48.7	47.3	45.8
2012/09/21	11:50:00	50.0	55.6	52.7	50.8	49.0	47.0	45.8
2012/09/21	12:00:00	52.4	60.7	55.9	51.8	49.0	47.1	45.7
2012/09/21	12:10:00	51.0	59.9	53.8	50.0	48.0	46.1	45.1
2012/09/21	12:20:00	51.0	58.5	54.2	50.9	49.0	47.1	45.1
2012/09/21	12:30:00	50.2	56.8	53.1	50.7	48.5	46.9	45.8
2012/09/21	12:40:00	52.0	58.6	54.4	52.0	49.8	48.2	46.9
2012/09/21	12:50:00	49.9	56.3	53.4	50.6	48.0	45.9	44.8
2012/09/21	13:00:00	49.6	55.6	52.7	50.5	48.0	46.0	44.6
2012/09/21	13:10:00	50.5	57.4	54.0	51.1	48.6	46.4	45.1
2012/09/21	13:20:00	53.8	63.1	55.2	52.1	49.5	46.9	45.4
2012/09/21	13:30:00	49.4	55.0	52.6	50.2	47.9	46.3	45.3
2012/09/21	13:40:00	52.2	57.9	53.0	50.5	48.3	46.8	45.1
2012/09/21	13:50:00	50.2	56.2	53.3	51.0	48.9	46.5	45.7
2012/09/21	14:00:00	50.5	58.0	53.8	50.7	48.9	46.8	45.7
2012/09/21	14:10:00	50.5	57.1	53.7	50.8	48.8	46.8	45.7
2012/09/21	14:20:00	50.5	57.0	53.9	51.2	48.8	47.1	45.9
2012/09/21	14:30:00	51.6	58.4	54.2	51.7	49.7	48.1	46.9
2012/09/21	14:40:00	51.8	58.3	55.2	52.1	50.0	48.5	47.2
2012/09/21	14:50:00	51.7	58.1	54.1	52.0	50.5	49.2	48.4
2012/09/21	15:00:00	54.8	63.7	56.2	52.7	50.7	49.1	48.0
2012/09/21	15:10:00	54.1	62.8	55.4	52.7	50.8	49.4	48.4
2012/09/21	15:20:00	51.1	58.6	53.5	51.4	49.4	48.0	47.0
2012/09/21	15:30:00	55.9	63.1	60.7	57.1	51.3	48.7	47.6
2012/09/21	15:40:00	76.5	89.9	74.7	60.5	54.6	51.4	49.9

**M3 Hula Circle
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/19/2012 14:30	1.1	12.9	0.9
9/19/2012 14:40	1.4	7.7	0.9
9/19/2012 14:50	1.3	5.9	0.9
9/19/2012 15:00	1.5	9.3	0.9
9/19/2012 15:10	1.7	5.9	0.9
9/19/2012 15:20	1.8	5.9	0.9
9/19/2012 15:30	2	7.7	0.9
9/19/2012 15:40	2	5.9	0.9
9/19/2012 15:50	1.8	7.7	0.9
9/19/2012 16:00	1.9	9.3	0.9
9/19/2012 16:10	1.9	9.3	0.9
9/19/2012 16:20	1.7	10.9	0.9
9/19/2012 16:30	1.9	7.7	0.9
9/19/2012 16:40	1.8	7.7	0.9
9/19/2012 16:50	1.8	7.7	0.9
9/19/2012 17:00	1.5	7.7	0.9
9/19/2012 17:10	1.5	5.9	0.9
9/19/2012 17:20	1.3	4.3	0.9
9/19/2012 17:30	1	5.9	0.9
9/19/2012 17:40	1.2	5.9	0.9
9/19/2012 17:50	0.9	4.3	0.9
9/19/2012 18:00	0.9	4.3	0.9
9/19/2012 18:10	1.1	4.3	0.9
9/19/2012 18:20	1.5	7.7	0.9
9/19/2012 18:30	1.2	7.7	0.9
9/19/2012 18:40	1.2	5.9	0.9
9/19/2012 18:50	1	5.9	0.9
9/19/2012 19:00	1.1	5.9	0.9
9/19/2012 19:10	1.1	4.3	0.9
9/19/2012 19:20	0.9	4.3	0.9
9/19/2012 19:30	0.9	4.3	0.9
9/19/2012 19:40	0.9	2.6	0.9
9/19/2012 19:50	0.9	5.9	0.9
9/19/2012 20:00	0.9	2.6	0.9
9/19/2012 20:10	0.9	2.6	0.9
9/19/2012 20:20	0.9	0.9	0.9
9/19/2012 20:30	0.9	0.9	0.9
9/19/2012 20:40	0.9	0.9	0.9
9/19/2012 20:50	0.9	0.9	0.9
9/19/2012 21:00	0.9	0.9	0.9

**M3 Hula Circle
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/19/2012 21:10	0.9	0.9	0.9
9/19/2012 21:20	0.9	0.9	0.9
9/19/2012 21:30	0.9	0.9	0.9
9/19/2012 21:40	0.9	0.9	0.9
9/19/2012 21:50	0.9	0.9	0.9
9/19/2012 22:00	0.9	2.6	0.9
9/19/2012 22:10	0.9	2.6	0.9
9/19/2012 22:20	0.9	2.6	0.9
9/19/2012 22:30	0.9	0.9	0.9
9/19/2012 22:40	0.9	0.9	0.9
9/19/2012 22:50	0.9	0.9	0.9
9/19/2012 23:00	0.9	0.9	0.9
9/19/2012 23:10	0.9	0.9	0.9
9/19/2012 23:20	0.9	0.9	0.9
9/19/2012 23:30	0.9	0.9	0.9
9/19/2012 23:40	0.9	0.9	0.9
9/19/2012 23:50	0.9	0.9	0.9
9/20/2012 0:00	0.9	0.9	0.9
9/20/2012 0:10	0.9	0.9	0.9
9/20/2012 0:20	0.9	0.9	0.9
9/20/2012 0:30	0.9	0.9	0.9
9/20/2012 0:40	0.9	0.9	0.9
9/20/2012 0:50	0.9	0.9	0.9
9/20/2012 1:00	0.9	0.9	0.9
9/20/2012 1:10	0.9	0.9	0.9
9/20/2012 1:20	0.9	0.9	0.9
9/20/2012 1:30	0.9	0.9	0.9
9/20/2012 1:40	0.9	0.9	0.9
9/20/2012 1:50	0.9	0.9	0.9
9/20/2012 2:00	0.9	0.9	0.9
9/20/2012 2:10	0.9	0.9	0.9
9/20/2012 2:20	0.9	0.9	0.9
9/20/2012 2:30	0.9	0.9	0.9
9/20/2012 2:40	0.9	0.9	0.9
9/20/2012 2:50	0.9	0.9	0.9
9/20/2012 3:00	0.9	0.9	0.9
9/20/2012 3:10	0.9	0.9	0.9
9/20/2012 3:20	0.9	0.9	0.9
9/20/2012 3:30	0.9	0.9	0.9
9/20/2012 3:40	0.9	0.9	0.9

**M3 Hula Circle
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/20/2012 3:50	0.9	0.9	0.9
9/20/2012 4:00	0.9	0.9	0.9
9/20/2012 4:10	0.9	0.9	0.9
9/20/2012 4:20	0.9	0.9	0.9
9/20/2012 4:30	0.9	0.9	0.9
9/20/2012 4:40	0.9	0.9	0.9
9/20/2012 4:50	0.9	0.9	0.9
9/20/2012 5:00	0.9	0.9	0.9
9/20/2012 5:10	0.9	0.9	0.9
9/20/2012 5:20	0.9	0.9	0.9
9/20/2012 5:30	0.9	0.9	0.9
9/20/2012 5:40	0.9	0.9	0.9
9/20/2012 5:50	0.9	0.9	0.9
9/20/2012 6:00	0.9	0.9	0.9
9/20/2012 6:10	0.9	0.9	0.9
9/20/2012 6:20	0.9	0.9	0.9
9/20/2012 6:30	0.9	0.9	0.9
9/20/2012 6:40	0.9	0.9	0.9
9/20/2012 6:50	0.9	0.9	0.9
9/20/2012 7:00	0.9	0.9	0.9
9/20/2012 7:10	0.9	0.9	0.9
9/20/2012 7:20	0.9	0.9	0.9
9/20/2012 7:30	0.9	0.9	0.9
9/20/2012 7:40	0.9	0.9	0.9
9/20/2012 7:50	0.9	0.9	0.9
9/20/2012 8:00	0.9	2.6	0.9
9/20/2012 8:10	0.9	0.9	0.9
9/20/2012 8:20	0.9	0.9	0.9
9/20/2012 8:30	0.9	0.9	0.9
9/20/2012 8:40	0.9	0.9	0.9
9/20/2012 8:50	0.9	2.6	0.9
9/20/2012 9:00	0.9	2.6	0.9
9/20/2012 9:10	0.9	2.6	0.9
9/20/2012 9:20	0.9	2.6	0.9
9/20/2012 9:30	0.9	4.3	0.9
9/20/2012 9:40	0.9	2.6	0.9
9/20/2012 9:50	1	4.3	0.9
9/20/2012 10:00	1	4.3	0.9
9/20/2012 10:10	0.9	2.6	0.9
9/20/2012 10:20	1	4.3	0.9

**M3 Hula Circle
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/20/2012 10:30	1	4.3	0.9
9/20/2012 10:40	1	4.3	0.9
9/20/2012 10:50	0.9	2.6	0.9
9/20/2012 11:00	1	4.3	0.9
9/20/2012 11:10	1.2	4.3	0.9
9/20/2012 11:20	1.2	5.9	0.9
9/20/2012 11:30	1.1	5.9	0.9
9/20/2012 11:40	1.2	4.3	0.9
9/20/2012 11:50	1.2	4.3	0.9
9/20/2012 12:00	1.3	4.3	0.9
9/20/2012 12:10	1.3	5.9	0.9
9/20/2012 12:20	1.2	4.3	0.9
9/20/2012 12:30	1.2	5.9	0.9
9/20/2012 12:40	1.3	5.9	0.9
9/20/2012 12:50	1.4	5.9	0.9
9/20/2012 13:00	1.2	4.3	0.9
9/20/2012 13:10	1.3	4.3	0.9
9/20/2012 13:20	1.4	9.3	0.9
9/20/2012 13:30	1.7	7.7	0.9
9/20/2012 13:40	1.5	7.7	0.9
9/20/2012 13:50	1.9	5.9	0.9
9/20/2012 14:00	1.9	5.9	0.9
9/20/2012 14:10	1.8	5.9	0.9
9/20/2012 14:20	1.7	5.9	0.9
9/20/2012 14:30	1.8	7.7	0.9
9/20/2012 14:40	1.4	4.3	0.9
9/20/2012 14:50	1.3	5.9	0.9
9/20/2012 15:00	1.2	5.9	0.9
9/20/2012 15:10	1.3	4.3	0.9
9/20/2012 15:20	1.1	4.3	0.9
9/20/2012 15:30	1	4.3	0.9
9/20/2012 15:40	1.2	4.3	0.9
9/20/2012 15:50	1.4	7.7	0.9
9/20/2012 16:00	1.6	7.7	0.9
9/20/2012 16:10	1.8	7.7	0.9
9/20/2012 16:20	1.4	5.9	0.9
9/20/2012 16:30	1.4	7.7	0.9
9/20/2012 16:40	1.6	9.3	0.9
9/20/2012 16:50	1.2	5.9	0.9
9/20/2012 17:00	1.3	5.9	0.9

**M3 Hula Circle
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/20/2012 17:10	1.5	5.9	0.9
9/20/2012 17:20	1.4	5.9	0.9
9/20/2012 17:30	1.3	4.3	0.9
9/20/2012 17:40	1.1	4.3	0.9
9/20/2012 17:50	1.6	5.9	0.9
9/20/2012 18:00	1.5	7.7	0.9
9/20/2012 18:10	1.7	7.7	0.9
9/20/2012 18:20	1.8	7.7	0.9
9/20/2012 18:30	1.7	5.9	0.9
9/20/2012 18:40	1.1	5.9	0.9
9/20/2012 18:50	1	4.3	0.9
9/20/2012 19:00	0.9	2.6	0.9
9/20/2012 19:10	0.9	2.6	0.9
9/20/2012 19:20	0.9	2.6	0.9
9/20/2012 19:30	0.9	4.3	0.9
9/20/2012 19:40	0.9	2.6	0.9
9/20/2012 19:50	0.9	2.6	0.9
9/20/2012 20:00	0.9	2.6	0.9
9/20/2012 20:10	0.9	4.3	0.9
9/20/2012 20:20	0.9	4.3	0.9
9/20/2012 20:30	0.9	2.6	0.9
9/20/2012 20:40	0.9	4.3	0.9
9/20/2012 20:50	0.9	2.6	0.9
9/20/2012 21:00	0.9	4.3	0.9
9/20/2012 21:10	0.9	4.3	0.9
9/20/2012 21:20	0.9	2.6	0.9
9/20/2012 21:30	0.9	0.9	0.9
9/20/2012 21:40	0.9	0.9	0.9
9/20/2012 21:50	0.9	0.9	0.9
9/20/2012 22:00	0.9	2.6	0.9
9/20/2012 22:10	0.9	2.6	0.9
9/20/2012 22:20	0.9	2.6	0.9
9/20/2012 22:30	0.9	2.6	0.9
9/20/2012 22:40	0.9	0.9	0.9
9/20/2012 22:50	0.9	0.9	0.9
9/20/2012 23:00	0.9	2.6	0.9
9/20/2012 23:10	0.9	0.9	0.9
9/20/2012 23:20	0.9	0.9	0.9
9/20/2012 23:30	0.9	2.6	0.9
9/20/2012 23:40	0.9	0.9	0.9

**M3 Hula Circle
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/20/2012 23:50	0.9	0.9	0.9
9/21/2012 0:00	0.9	0.9	0.9
9/21/2012 0:10	0.9	0.9	0.9
9/21/2012 0:20	0.9	0.9	0.9
9/21/2012 0:30	0.9	2.6	0.9
9/21/2012 0:40	0.9	0.9	0.9
9/21/2012 0:50	0.9	2.6	0.9
9/21/2012 1:00	0.9	0.9	0.9
9/21/2012 1:10	0.9	0.9	0.9
9/21/2012 1:20	0.9	0.9	0.9
9/21/2012 1:30	0.9	0.9	0.9
9/21/2012 1:40	0.9	2.6	0.9
9/21/2012 1:50	0.9	0.9	0.9
9/21/2012 2:00	0.9	0.9	0.9
9/21/2012 2:10	0.9	0.9	0.9
9/21/2012 2:20	0.9	0.9	0.9
9/21/2012 2:30	0.9	0.9	0.9
9/21/2012 2:40	0.9	0.9	0.9
9/21/2012 2:50	0.9	2.6	0.9
9/21/2012 3:00	0.9	0.9	0.9
9/21/2012 3:10	0.9	2.6	0.9
9/21/2012 3:20	0.9	0.9	0.9
9/21/2012 3:30	0.9	0.9	0.9
9/21/2012 3:40	0.9	0.9	0.9
9/21/2012 3:50	0.9	0.9	0.9
9/21/2012 4:00	0.9	0.9	0.9
9/21/2012 4:10	0.9	0.9	0.9
9/21/2012 4:20	0.9	0.9	0.9
9/21/2012 4:30	0.9	0.9	0.9
9/21/2012 4:40	0.9	0.9	0.9
9/21/2012 4:50	0.9	0.9	0.9
9/21/2012 5:00	0.9	0.9	0.9
9/21/2012 5:10	0.9	0.9	0.9
9/21/2012 5:20	0.9	0.9	0.9
9/21/2012 5:30	0.9	0.9	0.9
9/21/2012 5:40	0.9	0.9	0.9
9/21/2012 5:50	0.9	5.9	0.9
9/21/2012 6:00	1	5.9	0.9
9/21/2012 6:10	1.1	7.7	0.9
9/21/2012 6:20	0.9	0.9	0.9

**M3 Hula Circle
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/21/2012 6:30	0.9	0.9	0.9
9/21/2012 6:40	0.9	0.9	0.9
9/21/2012 6:50	0.9	0.9	0.9
9/21/2012 7:00	0.9	0.9	0.9
9/21/2012 7:10	0.9	0.9	0.9
9/21/2012 7:20	0.9	0.9	0.9
9/21/2012 7:30	0.9	0.9	0.9
9/21/2012 7:40	0.9	0.9	0.9
9/21/2012 7:50	0.9	0.9	0.9
9/21/2012 8:00	0.9	0.9	0.9
9/21/2012 8:10	0.9	2.6	0.9
9/21/2012 8:20	0.9	4.3	0.9
9/21/2012 8:30	0.9	0.9	0.9
9/21/2012 8:40	0.9	0.9	0.9
9/21/2012 8:50	0.9	2.6	0.9
9/21/2012 9:00	0.9	2.6	0.9
9/21/2012 9:10	0.9	4.3	0.9
9/21/2012 9:20	0.9	2.6	0.9
9/21/2012 9:30	1	4.3	0.9
9/21/2012 9:40	0.9	2.6	0.9
9/21/2012 9:50	0.9	2.6	0.9
9/21/2012 10:00	0.9	2.6	0.9
9/21/2012 10:10	1.2	4.3	0.9
9/21/2012 10:20	1	4.3	0.9
9/21/2012 10:30	1.1	2.6	0.9
9/21/2012 10:40	1.1	5.9	0.9
9/21/2012 10:50	1.2	5.9	0.9
9/21/2012 11:00	1.1	4.3	0.9
9/21/2012 11:10	1	4.3	0.9
9/21/2012 11:20	1.3	5.9	0.9
9/21/2012 11:30	1.2	4.3	0.9
9/21/2012 11:40	1.2	4.3	0.9
9/21/2012 11:50	1.1	4.3	0.9
9/21/2012 12:00	1.3	5.9	0.9
9/21/2012 12:10	1.4	5.9	0.9
9/21/2012 12:20	1.4	5.9	0.9
9/21/2012 12:30	1.6	5.9	0.9
9/21/2012 12:40	1.2	4.3	0.9
9/21/2012 12:50	1.4	4.3	0.9
9/21/2012 13:00	1.5	5.9	0.9

**M3 Hula Circle
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/21/2012 13:10	1.4	5.9	0.9
9/21/2012 13:20	1.4	5.9	0.9
9/21/2012 13:30	1.2	5.9	0.9
9/21/2012 13:40	1	2.6	0.9
9/21/2012 13:50	1.1	4.3	0.9
9/21/2012 14:00	1.1	4.3	0.9
9/21/2012 14:10	1.3	4.3	0.9
9/21/2012 14:20	1.1	4.3	0.9
9/21/2012 14:30	1	4.3	0.9
9/21/2012 14:40	1.1	5.9	0.9
9/21/2012 14:50	1.1	5.9	0.9
9/21/2012 15:00	1.3	7.7	0.9
9/21/2012 15:10	1.1	4.3	0.9
9/21/2012 15:20	1	4.3	0.9
9/21/2012 15:30	1.2	4.3	0.9
9/21/2012 15:40	1	5.9	0.9
9/21/2012 15:50	1	4.3	0.9

**M4 Sandy Hook
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/19	13:40:00	60.3	71.1	64.5	56.5	51.6	48.7	46.9
2012/09/19	13:50:00	51.5	58.5	55.6	51.3	49.1	47.8	46.7
2012/09/19	14:00:00	49.0	55.6	52.0	49.4	47.6	45.7	44.5
2012/09/19	14:10:00	50.2	54.7	53.4	51.0	49.3	47.2	46.2
2012/09/19	14:20:00	48.8	54.3	51.4	49.4	47.8	46.3	45.0
2012/09/19	14:30:00	49.1	55.3	52.0	49.8	47.7	45.9	44.7
2012/09/19	14:40:00	50.7	57.1	54.2	50.9	49.0	46.8	45.6
2012/09/19	14:50:00	49.1	54.3	51.9	49.8	48.1	46.6	45.6
2012/09/19	15:00:00	70.7	82.9	75.1	60.2	50.9	48.2	46.8
2012/09/19	15:10:00	70.9	81.9	74.7	66.3	59.8	56.8	54.8
2012/09/19	15:20:00	51.3	58.8	54.9	51.5	49.4	47.5	45.7
2012/09/19	15:30:00	51.0	61.7	51.9	49.5	48.0	46.6	45.3
2012/09/19	15:40:00	51.4	59.7	54.6	51.2	49.0	47.1	46.1
2012/09/19	15:50:00	53.3	62.6	56.0	51.1	49.1	47.0	45.7
2012/09/19	16:00:00	49.4	55.9	51.9	49.5	47.9	46.5	45.2
2012/09/19	16:10:00	49.3	54.4	52.4	49.8	48.2	46.9	46.1
2012/09/19	16:20:00	50.4	56.3	52.8	50.6	49.0	48.0	47.0
2012/09/19	16:30:00	49.6	55.1	51.6	50.3	49.0	47.5	46.3
2012/09/19	16:40:00	49.1	54.0	51.8	49.9	48.0	46.2	45.2
2012/09/19	16:50:00	50.4	56.8	53.5	51.1	48.8	46.7	45.6
2012/09/19	17:00:00	51.4	58.2	54.7	52.0	49.3	47.2	46.1
2012/09/19	17:10:00	49.6	55.0	52.3	50.4	48.7	47.1	45.6
2012/09/19	17:20:00	51.7	61.4	54.1	51.0	49.1	47.5	46.3
2012/09/19	17:30:00	49.2	54.1	52.0	50.1	48.3	46.7	45.6
2012/09/19	17:40:00	50.4	55.8	53.3	51.4	49.4	47.4	46.0
2012/09/19	17:50:00	49.7	56.4	52.5	49.9	48.4	46.8	44.9
2012/09/19	18:00:00	49.9	55.7	53.1	50.4	48.5	46.9	45.6
2012/09/19	18:10:00	55.6	62.2	55.5	51.7	49.4	47.7	46.4
2012/09/19	18:20:00	50.0	54.9	52.3	50.6	49.1	47.5	46.2
2012/09/19	18:30:00	49.9	55.6	52.6	51.0	48.8	46.9	45.5
2012/09/19	18:40:00	50.5	56.5	53.6	51.3	49.4	47.5	45.8
2012/09/19	18:50:00	51.7	61.0	54.2	50.9	49.0	47.4	45.9
2012/09/19	19:00:00	49.4	54.5	52.2	50.1	48.5	46.9	45.6
2012/09/19	19:10:00	51.9	62.4	54.3	50.4	47.9	46.4	45.2
2012/09/19	19:20:00	49.2	54.9	52.4	50.0	47.9	46.0	44.9
2012/09/19	19:30:00	49.1	54.7	52.4	50.1	47.6	45.8	44.9
2012/09/19	19:40:00	50.4	60.0	51.8	48.9	46.9	45.4	44.2
2012/09/19	19:50:00	48.9	56.7	51.6	49.5	47.0	45.4	44.1
2012/09/19	20:00:00	48.5	55.4	52.0	48.8	46.3	44.3	43.3
2012/09/19	20:10:00	47.7	54.1	50.8	48.5	46.1	44.1	43.0
2012/09/19	20:20:00	50.3	55.9	55.4	50.6	47.2	45.0	43.5
2012/09/19	20:30:00	46.9	53.2	49.2	47.1	45.7	44.1	42.6
2012/09/19	20:40:00	48.7	55.9	53.7	48.3	45.9	43.8	42.4

**M4 Sandy Hook
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/19	20:50:00	51.2	56.0	55.0	53.5	48.1	45.2	43.2
2012/09/19	21:00:00	53.0	56.5	55.5	54.9	53.4	48.1	45.0
2012/09/19	21:10:00	49.1	56.3	53.8	49.6	46.3	44.2	43.2
2012/09/19	21:20:00	46.4	52.1	49.7	47.1	44.9	43.5	42.8
2012/09/19	21:30:00	47.2	51.7	49.7	47.8	46.3	45.3	44.3
2012/09/19	21:40:00	47.2	51.3	49.6	47.7	46.3	45.5	44.7
2012/09/19	21:50:00	47.8	51.5	49.9	48.1	47.1	46.4	45.8
2012/09/19	22:00:00	49.4	53.7	51.2	49.9	48.7	47.9	47.3
2012/09/19	22:10:00	49.7	55.5	51.9	50.1	48.7	48.0	47.3
2012/09/19	22:20:00	49.1	52.3	51.0	49.7	48.6	47.8	47.2
2012/09/19	22:30:00	49.9	54.9	52.3	50.2	49.0	48.3	47.7
2012/09/19	22:40:00	49.1	53.5	50.8	49.3	48.4	47.6	46.9
2012/09/19	22:50:00	48.4	54.0	50.9	48.7	47.5	46.4	45.9
2012/09/19	23:00:00	45.7	49.7	48.3	46.3	45.2	43.9	42.9
2012/09/19	23:10:00	45.3	49.4	47.4	45.8	44.7	43.8	42.8
2012/09/19	23:20:00	47.7	55.2	49.9	47.8	45.9	44.9	44.4
2012/09/19	23:30:00	45.1	50.2	47.3	44.9	44.1	43.5	43.0
2012/09/19	23:40:00	46.1	52.9	47.4	44.7	43.8	43.3	42.9
2012/09/19	23:50:00	45.0	50.0	47.5	45.0	43.9	43.3	42.8
2012/09/20	00:00:00	45.0	49.3	46.3	45.3	44.5	43.8	43.3
2012/09/20	00:10:00	45.5	48.6	46.9	45.8	45.1	44.5	44.1
2012/09/20	00:20:00	44.9	48.7	46.9	45.0	44.3	43.7	43.2
2012/09/20	00:30:00	43.4	49.4	47.3	44.2	41.3	39.9	39.5
2012/09/20	00:40:00	41.9	47.4	45.3	42.1	40.5	39.8	38.7
2012/09/20	00:50:00	43.0	49.6	45.1	42.1	41.7	41.3	41.1
2012/09/20	01:00:00	41.9	46.3	42.5	41.9	41.5	41.1	40.9
2012/09/20	01:10:00	42.3	47.1	44.3	42.1	41.5	41.0	40.6
2012/09/20	01:20:00	44.5	52.3	47.8	43.6	42.0	41.6	41.3
2012/09/20	01:30:00	47.4	54.3	54.0	44.4	43.8	43.3	43.0
2012/09/20	01:40:00	49.9	53.5	53.2	52.9	44.9	43.7	43.2
2012/09/20	01:50:00	52.9	53.7	53.5	53.4	53.2	52.9	52.4
2012/09/20	02:00:00	48.4	56.2	47.3	45.7	44.7	44.2	43.8
2012/09/20	02:10:00	51.5	53.6	53.3	52.8	52.5	46.3	44.8
2012/09/20	02:20:00	50.8	52.7	52.4	52.0	51.6	47.6	44.5
2012/09/20	02:30:00	51.7	54.4	52.4	52.1	51.9	51.5	48.9
2012/09/20	02:40:00	44.4	48.8	44.5	44.2	43.9	43.6	43.3
2012/09/20	02:50:00	43.4	47.3	44.4	43.5	42.8	42.5	42.1
2012/09/20	03:00:00	47.8	53.1	52.8	46.7	43.7	43.4	43.2
2012/09/20	03:10:00	52.7	53.2	53.1	52.9	52.7	52.5	52.3
2012/09/20	03:20:00	52.3	53.5	53.2	53.1	52.5	51.9	50.8
2012/09/20	03:30:00	53.3	53.9	53.7	53.5	53.3	53.1	53.0
2012/09/20	03:40:00	51.9	54.2	54.0	53.7	53.3	45.4	44.7
2012/09/20	03:50:00	45.9	49.7	46.9	45.8	45.5	45.2	45.0

**M4 Sandy Hook
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	04:00:00	46.1	49.5	47.1	46.4	45.6	45.3	45.0
2012/09/20	04:10:00	47.0	49.5	47.7	47.1	46.7	46.4	46.2
2012/09/20	04:20:00	47.0	49.7	47.6	47.1	46.7	46.5	46.2
2012/09/20	04:30:00	47.2	48.8	47.9	47.5	47.2	46.8	46.0
2012/09/20	04:40:00	51.5	56.2	53.5	53.3	50.1	46.9	46.4
2012/09/20	04:50:00	47.5	52.4	49.4	47.5	46.8	46.2	46.0
2012/09/20	05:00:00	46.1	49.3	47.2	46.0	45.6	45.4	45.2
2012/09/20	05:10:00	48.7	57.5	50.2	47.7	46.4	45.6	45.2
2012/09/20	05:20:00	45.1	50.5	47.8	44.8	44.0	43.5	43.2
2012/09/20	05:30:00	46.5	50.8	48.7	47.1	45.5	44.7	43.9
2012/09/20	05:40:00	51.1	60.9	51.2	48.6	46.3	44.7	44.1
2012/09/20	05:50:00	48.3	56.0	50.7	48.6	45.8	44.6	44.2
2012/09/20	06:00:00	47.5	52.0	50.2	48.4	46.6	45.3	44.5
2012/09/20	06:10:00	47.6	53.4	50.6	48.1	46.2	44.9	44.0
2012/09/20	06:20:00	46.1	50.4	49.0	46.9	45.2	43.7	42.8
2012/09/20	06:30:00	48.8	55.1	51.4	49.5	47.7	45.6	44.1
2012/09/20	06:40:00	52.2	59.5	53.5	51.1	48.7	46.1	44.6
2012/09/20	06:50:00	54.3	62.2	58.3	54.0	51.6	49.5	46.8
2012/09/20	07:00:00	53.2	61.3	57.2	51.6	49.3	47.3	45.5
2012/09/20	07:10:00	50.1	56.1	53.2	50.7	48.9	46.5	45.0
2012/09/20	07:20:00	49.5	56.0	53.0	50.3	47.9	45.6	44.3
2012/09/20	07:30:00	49.3	55.2	52.7	50.3	48.2	45.4	43.5
2012/09/20	07:40:00	50.6	57.0	53.3	50.7	48.5	46.1	44.3
2012/09/20	07:50:00	51.5	57.7	54.8	52.3	50.1	47.7	45.6
2012/09/20	08:00:00	50.4	56.6	53.6	51.1	49.3	47.5	45.3
2012/09/20	08:10:00	53.1	62.9	54.2	52.2	50.4	47.0	44.3
2012/09/20	08:20:00	51.5	58.9	54.2	52.2	50.1	47.4	45.5
2012/09/20	08:30:00	49.7	57.6	52.9	49.9	48.0	45.1	43.2
2012/09/20	08:40:00	49.0	54.3	52.5	50.1	47.8	45.4	44.1
2012/09/20	08:50:00	50.6	58.0	53.4	51.2	48.5	46.7	44.9
2012/09/20	09:00:00	50.0	57.8	53.8	50.5	47.7	44.8	42.8
2012/09/20	09:10:00	49.2	55.1	52.1	50.4	47.9	46.0	43.6
2012/09/20	09:20:00	50.8	57.9	53.3	50.3	47.9	45.7	43.8
2012/09/20	09:30:00	47.6	54.6	50.7	48.0	45.9	43.7	42.4
2012/09/20	09:40:00	50.7	56.8	54.0	51.3	47.7	45.7	43.9
2012/09/20	09:50:00	47.6	52.6	51.1	48.5	46.5	44.3	42.8
2012/09/20	10:00:00	47.4	52.1	50.4	48.5	46.5	44.4	42.4
2012/09/20	10:10:00	47.8	53.7	51.8	48.9	45.5	43.2	42.0
2012/09/20	10:20:00	47.9	53.3	51.3	48.7	46.7	45.0	43.8
2012/09/20	10:30:00	48.3	53.5	51.4	49.3	47.3	45.2	43.1
2012/09/20	10:40:00	49.0	56.0	52.2	49.9	47.2	44.6	43.0
2012/09/20	10:50:00	47.5	52.8	50.7	48.1	45.8	43.2	41.9
2012/09/20	11:00:00	48.1	54.8	51.5	49.1	46.3	44.3	42.2

**M4 Sandy Hook
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	11:10:00	47.4	52.5	50.5	48.3	46.5	44.5	43.1
2012/09/20	11:20:00	51.9	59.4	52.0	48.8	46.8	44.5	42.6
2012/09/20	11:30:00	49.7	58.1	53.3	49.9	47.0	44.9	43.1
2012/09/20	11:40:00	47.8	53.3	50.7	48.8	46.6	44.6	43.3
2012/09/20	11:50:00	49.6	53.6	52.2	51.1	49.1	46.4	44.5
2012/09/20	12:00:00	50.0	54.9	53.1	51.3	48.8	46.2	44.8
2012/09/20	12:10:00	50.1	55.7	52.7	50.8	49.1	47.3	45.9
2012/09/20	12:20:00	51.0	58.5	54.8	51.5	48.9	46.9	45.4
2012/09/20	12:30:00	49.0	54.6	51.3	49.6	48.2	46.6	45.3
2012/09/20	12:40:00	48.9	54.2	51.5	49.7	47.8	45.9	44.7
2012/09/20	12:50:00	47.4	53.9	50.1	48.2	46.2	44.4	43.5
2012/09/20	13:00:00	52.3	63.7	53.3	48.5	46.7	44.9	44.3
2012/09/20	13:03:50	48.5	55.2	51.0	48.9	47.0	44.9	43.3
2012/09/20	13:10:00	54.9	63.6	52.7	49.7	47.7	45.5	44.0
2012/09/20	13:20:00	48.8	54.9	51.9	49.4	47.3	45.4	43.7
2012/09/20	13:30:00	49.9	58.3	53.0	49.6	47.2	45.5	44.2
2012/09/20	13:40:00	50.4	55.6	52.9	51.1	49.5	47.5	46.1
2012/09/20	13:50:00	51.2	58.1	54.9	51.8	49.3	46.9	44.7
2012/09/20	14:00:00	50.2	59.8	53.4	49.7	46.4	43.7	42.3
2012/09/20	14:10:00	48.4	52.6	50.5	48.9	47.5	46.0	44.8
2012/09/20	14:20:00	48.6	54.4	51.2	49.1	47.5	46.3	45.3
2012/09/20	14:30:00	48.7	53.3	51.4	49.8	48.1	45.9	44.4
2012/09/20	14:40:00	50.3	56.3	54.5	51.1	48.4	46.4	44.9
2012/09/20	14:50:00	49.0	54.4	52.0	49.8	48.0	46.2	44.8
2012/09/20	15:00:00	49.1	56.9	52.0	49.6	47.2	45.3	43.6
2012/09/20	15:10:00	50.0	56.2	53.7	50.6	48.4	46.3	45.1
2012/09/20	15:20:00	49.2	57.4	51.4	49.3	47.3	45.8	44.7
2012/09/20	15:30:00	48.7	54.2	51.8	49.1	47.5	46.2	45.0
2012/09/20	15:40:00	50.2	56.8	52.7	49.9	47.9	46.0	45.0
2012/09/20	15:50:00	49.7	56.4	52.5	50.3	48.5	46.8	45.4
2012/09/20	16:00:00	50.2	58.2	51.9	50.6	49.0	47.2	45.5
2012/09/20	16:10:00	50.8	58.2	53.5	50.5	48.6	47.2	45.8
2012/09/20	16:20:00	50.1	55.5	52.7	50.7	48.7	47.5	46.5
2012/09/20	16:30:00	51.1	58.8	53.6	50.8	49.0	47.6	46.6
2012/09/20	16:40:00	49.8	55.1	52.4	50.3	48.8	47.3	46.2
2012/09/20	16:50:00	51.1	59.7	53.8	50.8	48.7	47.0	45.5
2012/09/20	17:00:00	50.7	57.9	54.0	51.0	48.6	46.7	45.3
2012/09/20	17:10:00	51.4	58.1	54.5	51.7	49.7	48.0	46.5
2012/09/20	17:20:00	55.4	62.6	55.3	51.8	49.3	47.6	45.9
2012/09/20	17:30:00	50.7	56.4	53.2	51.4	49.3	47.6	46.1
2012/09/20	17:40:00	51.2	55.8	53.2	52.0	50.5	49.3	47.7
2012/09/20	17:50:00	52.1	56.1	54.8	53.0	51.4	49.8	48.5
2012/09/20	18:00:00	51.8	55.9	54.1	52.6	51.2	49.7	48.7

**M4 Sandy Hook
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	18:10:00	50.6	56.9	53.1	51.2	49.2	48.0	47.1
2012/09/20	18:20:00	51.0	58.1	53.9	51.2	49.4	47.6	46.4
2012/09/20	18:30:00	50.5	58.0	52.6	50.5	48.8	47.0	45.9
2012/09/20	18:40:00	52.3	60.5	56.2	51.6	49.3	47.4	46.2
2012/09/20	18:50:00	49.8	57.7	52.3	49.8	48.0	46.2	45.0
2012/09/20	19:00:00	49.4	55.8	52.6	50.1	47.5	45.7	44.5
2012/09/20	19:10:00	51.3	59.0	56.2	51.2	48.4	45.9	44.3
2012/09/20	19:20:00	50.0	57.3	52.6	50.4	48.2	45.4	44.3
2012/09/20	19:30:00	49.4	57.6	52.7	49.7	47.1	44.7	42.8
2012/09/20	19:40:00	45.8	50.1	48.3	46.5	45.2	43.8	42.6
2012/09/20	19:50:00	47.9	54.5	50.5	48.4	46.5	44.7	43.5
2012/09/20	20:00:00	51.4	60.0	56.0	50.5	47.6	45.0	43.8
2012/09/20	20:10:00	46.6	52.9	50.0	47.6	44.9	43.1	42.1
2012/09/20	20:20:00	47.9	55.7	51.8	47.8	45.6	43.8	42.6
2012/09/20	20:30:00	47.6	52.0	50.8	48.7	46.5	44.6	43.7
2012/09/20	20:40:00	51.6	56.2	53.9	53.0	52.3	46.9	44.7
2012/09/20	20:50:00	52.2	64.7	52.0	48.7	46.6	44.5	42.9
2012/09/20	21:00:00	47.0	53.4	49.6	47.6	45.5	44.4	43.8
2012/09/20	21:10:00	47.3	52.8	50.2	47.9	46.4	44.5	43.8
2012/09/20	21:20:00	48.1	56.5	50.3	47.6	45.9	44.9	44.2
2012/09/20	21:30:00	48.6	54.0	50.8	48.9	47.5	46.4	45.4
2012/09/20	21:40:00	47.8	52.3	50.5	48.5	46.9	45.8	44.8
2012/09/20	21:50:00	48.1	52.7	50.6	48.7	47.2	46.3	45.7
2012/09/20	22:00:00	48.7	55.2	51.2	49.0	47.6	46.1	45.1
2012/09/20	22:10:00	50.2	53.5	51.5	50.7	49.9	49.0	47.9
2012/09/20	22:20:00	51.0	56.2	52.9	51.5	50.3	49.3	48.3
2012/09/20	22:30:00	51.0	54.2	52.5	51.4	50.7	49.9	49.4
2012/09/20	22:40:00	50.7	53.9	52.0	51.0	50.3	49.5	49.1
2012/09/20	22:50:00	50.6	53.8	52.5	51.4	50.1	49.3	48.6
2012/09/20	23:00:00	50.5	53.6	52.4	51.2	50.1	49.3	48.5
2012/09/20	23:10:00	51.1	54.4	52.7	51.6	50.8	50.1	49.6
2012/09/20	23:20:00	50.2	55.6	51.3	49.9	49.2	48.5	48.1
2012/09/20	23:30:00	49.8	52.4	51.2	50.4	49.7	48.9	48.0
2012/09/20	23:40:00	50.4	52.7	51.6	50.7	49.7	48.9	48.3
2012/09/20	23:50:00	49.0	51.5	50.5	49.6	48.6	48.0	47.6
2012/09/21	00:00:00	49.1	50.9	50.2	49.5	48.9	48.4	47.9
2012/09/21	00:10:00	49.0	51.8	50.6	49.4	48.6	48.1	47.7
2012/09/21	00:20:00	49.2	51.2	50.6	49.8	48.9	48.2	47.8
2012/09/21	00:30:00	49.0	52.1	50.4	49.6	48.8	47.9	47.5
2012/09/21	00:40:00	49.9	56.5	51.0	49.7	48.9	48.2	47.4
2012/09/21	00:50:00	48.4	51.0	50.0	48.7	48.1	47.6	47.1
2012/09/21	01:00:00	48.9	51.4	50.3	49.5	48.7	48.1	47.4
2012/09/21	01:10:00	48.9	51.1	50.1	49.3	48.8	48.3	47.8

**M4 Sandy Hook
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/21	01:20:00	49.2	55.0	50.7	49.2	48.3	47.7	47.2
2012/09/21	01:30:00	49.8	51.7	50.9	50.2	49.6	49.0	48.6
2012/09/21	01:40:00	50.9	52.5	52.0	51.4	50.8	50.2	49.6
2012/09/21	01:50:00	49.9	52.7	51.5	50.3	49.6	49.1	48.6
2012/09/21	02:00:00	49.6	53.3	50.6	49.8	49.2	48.6	48.2
2012/09/21	02:10:00	49.2	52.1	50.7	49.5	48.9	48.3	47.4
2012/09/21	02:20:00	48.8	50.9	50.0	49.4	48.8	48.0	47.3
2012/09/21	02:30:00	49.4	51.7	50.7	49.9	49.2	48.6	48.1
2012/09/21	02:40:00	49.6	52.8	50.3	49.5	48.6	47.9	47.3
2012/09/21	02:50:00	48.9	51.0	50.0	49.3	48.6	48.2	47.9
2012/09/21	03:00:00	48.0	50.1	49.4	48.6	47.8	47.3	46.8
2012/09/21	03:10:00	47.8	49.8	49.2	48.4	47.7	47.0	46.6
2012/09/21	03:20:00	47.2	49.2	48.2	47.6	47.0	46.5	46.2
2012/09/21	03:30:00	46.8	48.7	47.8	47.1	46.6	46.1	45.8
2012/09/21	03:40:00	47.7	52.1	47.9	47.1	46.5	45.9	45.6
2012/09/21	03:50:00	48.6	53.1	47.4	46.6	45.8	45.0	44.5
2012/09/21	04:00:00	45.9	50.9	47.0	45.8	44.8	44.2	43.7
2012/09/21	04:10:00	46.4	48.9	47.4	46.6	46.2	45.7	45.2
2012/09/21	04:20:00	46.4	51.8	47.7	46.4	45.8	45.3	45.0
2012/09/21	04:30:00	45.4	48.1	46.5	45.9	45.2	44.6	44.1
2012/09/21	04:40:00	46.5	51.0	48.9	46.7	45.7	44.9	44.4
2012/09/21	04:50:00	53.7	56.2	55.9	55.4	54.7	49.8	45.1
2012/09/21	05:00:00	46.4	50.7	48.3	46.7	45.7	45.0	44.5
2012/09/21	05:10:00	47.9	53.4	49.6	47.7	46.8	46.4	45.5
2012/09/21	05:20:00	48.1	52.1	49.9	48.1	47.4	47.0	46.7
2012/09/21	05:30:00	47.1	51.4	49.4	47.3	46.4	45.9	45.4
2012/09/21	05:40:00	46.4	51.7	49.1	46.9	45.4	44.3	43.6
2012/09/21	05:50:00	47.1	55.0	49.5	46.8	44.3	43.5	43.0
2012/09/21	06:00:00	46.3	53.2	49.1	46.0	43.7	42.3	41.1
2012/09/21	06:10:00	46.7	53.4	51.0	47.0	44.1	42.1	41.5
2012/09/21	06:20:00	45.4	50.9	49.2	46.7	43.6	41.8	40.6
2012/09/21	06:30:00	49.2	57.4	53.3	48.9	45.9	42.9	41.7
2012/09/21	06:40:00	49.7	55.4	53.4	51.0	48.1	46.0	44.2
2012/09/21	06:50:00	50.6	57.4	53.1	51.3	49.4	46.6	44.8
2012/09/21	07:00:00	50.0	57.7	52.7	50.8	47.7	45.3	43.4
2012/09/21	07:10:00	48.3	54.2	51.5	49.1	47.2	44.6	42.4
2012/09/21	07:20:00	55.4	56.5	52.2	49.8	47.6	45.2	43.5
2012/09/21	07:30:00	52.0	60.3	55.6	52.2	49.6	47.0	44.9
2012/09/21	07:40:00	50.5	57.4	53.2	51.2	49.4	47.1	45.0
2012/09/21	07:50:00	50.7	57.3	53.5	51.5	49.4	47.2	45.5
2012/09/21	08:00:00	58.3	61.5	54.6	50.8	48.5	45.6	44.0
2012/09/21	08:10:00	52.3	62.3	54.9	51.5	49.3	46.5	43.9
2012/09/21	08:20:00	50.2	58.5	52.3	50.6	48.8	46.5	43.4

**M4 Sandy Hook
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/21	08:30:00	49.3	55.2	52.2	50.1	48.2	45.6	43.8
2012/09/21	08:40:00	55.0	57.8	51.9	49.5	47.6	45.1	42.8
2012/09/21	08:50:00	47.6	55.0	50.9	48.5	45.6	42.9	41.3
2012/09/21	09:00:00	48.4	56.0	51.8	49.0	46.3	43.8	41.8
2012/09/21	09:10:00	49.3	54.9	52.2	49.6	47.5	44.9	43.2
2012/09/21	09:20:00	49.0	54.5	51.8	49.4	46.9	44.0	42.4
2012/09/21	09:30:00	50.3	58.4	54.3	50.1	47.9	45.3	43.3
2012/09/21	09:40:00	50.1	58.2	53.1	50.5	48.1	45.7	44.1
2012/09/21	09:50:00	50.2	58.2	52.5	49.7	47.4	45.2	44.0
2012/09/21	10:00:00	49.0	55.6	52.1	49.8	47.6	45.9	44.5
2012/09/21	10:10:00	54.0	59.0	52.9	49.8	47.7	45.9	44.7
2012/09/21	10:20:00	49.7	56.0	52.5	50.5	48.7	46.5	44.9
2012/09/21	10:30:00	48.5	55.2	51.8	48.9	46.7	44.8	43.9
2012/09/21	10:40:00	50.0	56.4	52.9	50.7	48.5	47.0	45.7
2012/09/21	10:50:00	50.0	58.5	52.4	50.3	48.4	46.3	44.9
2012/09/21	11:00:00	49.6	56.9	51.9	49.9	47.9	46.2	44.8
2012/09/21	11:10:00	53.3	63.7	55.9	52.4	49.3	46.9	45.2
2012/09/21	11:20:00	49.6	56.9	52.7	49.9	47.8	45.9	44.8
2012/09/21	11:30:00	49.0	54.4	51.8	49.7	47.9	46.4	45.1
2012/09/21	11:40:00	50.9	59.3	53.3	50.8	48.4	46.1	44.7
2012/09/21	11:50:00	53.2	64.3	53.8	50.9	48.4	46.2	44.8
2012/09/21	12:00:00	53.5	65.1	57.3	50.8	48.5	46.2	44.4
2012/09/21	12:10:00	49.0	55.8	51.5	49.5	47.4	45.4	44.3

**M5 Wetlands Pier
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/19	12:50:00	65.0	68.9	66.3	65.2	64.5	64.0	63.6
2012/09/19	13:00:00	64.3	65.9	65.1	64.6	64.1	63.8	63.5
2012/09/19	13:10:00	64.3	67.0	65.2	64.6	64.0	63.6	63.2
2012/09/19	13:20:00	64.4	66.3	65.4	64.7	64.2	63.8	63.5
2012/09/19	13:30:00	64.4	66.0	65.3	64.7	64.2	63.9	63.5
2012/09/19	13:40:00	64.4	66.1	65.3	64.7	64.3	63.9	63.6
2012/09/19	13:50:00	64.8	66.2	65.4	64.8	64.3	63.9	63.6
2012/09/19	14:00:00	64.8	67.4	65.4	65.0	64.6	64.2	63.9
2012/09/19	14:10:00	64.8	68.2	65.7	65.0	64.5	64.1	63.9
2012/09/19	14:20:00	64.6	65.9	65.5	65.0	64.6	64.1	63.7
2012/09/19	14:30:00	64.9	66.7	65.9	65.3	64.7	64.3	64.0
2012/09/19	14:40:00	65.1	66.7	65.9	65.4	64.9	64.5	64.1
2012/09/19	14:50:00	64.9	66.0	65.7	65.2	64.8	64.4	64.1
2012/09/19	15:00:00	66.5	71.0	69.4	67.2	65.3	64.6	64.2
2012/09/19	15:10:00	64.7	67.1	65.6	64.9	64.5	64.2	63.9
2012/09/19	15:20:00	64.8	66.9	65.8	65.2	64.7	64.2	63.7
2012/09/19	15:30:00	65.0	67.6	65.9	65.2	64.8	64.3	63.9
2012/09/19	15:40:00	64.9	66.6	66.0	65.3	64.7	64.2	63.9
2012/09/19	15:50:00	65.6	72.4	66.2	65.5	64.9	64.4	64.0
2012/09/19	16:00:00	64.4	65.7	65.2	64.7	64.3	63.9	63.7
2012/09/19	16:10:00	64.5	65.9	65.2	64.8	64.4	64.0	63.8
2012/09/19	16:20:00	64.7	66.6	65.7	65.2	64.6	64.1	63.7
2012/09/19	16:30:00	64.7	66.2	65.6	65.2	64.5	64.0	63.7
2012/09/19	16:40:00	64.6	66.4	65.5	64.9	64.4	64.0	63.6
2012/09/19	16:50:00	64.5	66.0	65.5	64.9	64.3	64.0	63.7
2012/09/19	17:00:00	64.9	67.4	66.0	65.3	64.6	64.1	63.8
2012/09/19	17:10:00	64.9	66.5	65.9	65.4	64.8	64.2	63.8
2012/09/19	17:20:00	64.8	67.7	66.0	65.1	64.5	64.0	63.6
2012/09/19	17:30:00	64.7	66.7	65.7	65.0	64.6	64.0	63.6
2012/09/19	17:40:00	64.9	66.7	66.1	65.3	64.7	64.2	63.8
2012/09/19	17:50:00	64.9	66.9	65.6	65.2	64.7	64.1	63.6
2012/09/19	18:00:00	64.8	68.3	66.3	65.0	64.4	63.8	63.2
2012/09/19	18:10:00	62.7	65.4	64.0	63.4	62.6	61.4	60.8
2012/09/19	18:20:00	61.8	64.7	63.5	62.6	61.5	60.4	59.5
2012/09/19	18:30:00	60.1	63.1	61.7	60.7	59.7	59.0	58.3
2012/09/19	18:40:00	60.1	65.0	62.1	60.7	59.1	57.9	57.5
2012/09/19	18:50:00	60.4	65.6	62.9	61.0	59.5	58.5	57.6
2012/09/19	19:00:00	59.4	63.2	61.1	59.9	58.7	58.0	57.4
2012/09/19	19:10:00	64.0	72.0	66.5	62.0	59.9	58.3	57.7
2012/09/19	19:20:00	59.1	62.4	61.1	59.9	58.4	57.6	57.2
2012/09/19	19:30:00	58.7	61.0	60.3	59.4	58.1	57.7	57.4
2012/09/19	19:40:00	58.7	62.7	60.7	59.0	57.9	57.2	56.8
2012/09/19	19:50:00	58.8	64.4	61.5	59.2	57.3	56.7	56.4

**M5 Wetlands Pier
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/19	20:00:00	58.1	61.8	60.5	58.9	57.2	56.3	56.0
2012/09/19	20:10:00	57.4	62.0	59.6	57.6	56.5	56.0	55.7
2012/09/19	20:20:00	57.8	63.2	59.7	58.1	56.8	56.1	55.8
2012/09/19	20:30:00	57.0	60.0	58.9	57.5	56.5	55.8	55.5
2012/09/19	20:40:00	57.5	63.6	60.4	57.4	56.3	55.4	54.9
2012/09/19	20:50:00	56.6	60.5	58.6	57.2	56.0	55.4	55.0
2012/09/19	21:00:00	57.3	62.6	59.5	57.6	56.4	55.5	55.1
2012/09/19	21:10:00	57.9	62.6	59.6	58.0	56.5	55.6	55.1
2012/09/19	21:20:00	57.2	61.2	59.6	57.8	56.2	55.5	54.9
2012/09/19	21:30:00	57.7	63.3	60.7	58.0	56.6	55.6	55.2
2012/09/19	21:40:00	58.9	64.7	60.9	59.1	57.4	56.0	55.5
2012/09/19	21:50:00	57.5	60.8	59.7	58.2	56.7	55.9	55.4
2012/09/19	22:00:00	57.7	60.7	59.8	58.6	57.4	56.3	55.4
2012/09/19	22:10:00	59.4	62.4	61.1	59.9	59.1	58.2	57.7
2012/09/19	22:20:00	59.3	62.0	60.7	59.7	59.0	58.2	57.7
2012/09/19	22:30:00	61.4	69.6	62.8	60.8	59.4	58.8	58.4
2012/09/19	22:40:00	60.3	66.9	61.2	60.1	59.4	58.7	58.3
2012/09/19	22:50:00	59.1	61.3	60.3	59.5	58.9	58.4	57.8
2012/09/19	23:00:00	57.6	60.4	59.3	58.1	57.2	56.7	56.2
2012/09/19	23:10:00	57.7	60.5	59.4	58.1	57.4	56.8	56.2
2012/09/19	23:20:00	58.1	63.2	59.3	58.3	57.4	56.7	56.3
2012/09/19	23:30:00	58.8	60.8	59.8	59.1	58.6	58.3	58.0
2012/09/19	23:40:00	57.8	60.0	59.3	58.8	58.1	56.1	55.5
2012/09/19	23:50:00	56.9	58.7	57.9	57.3	56.8	56.2	55.8
2012/09/20	00:00:00	57.1	59.1	58.1	57.4	57.0	56.6	56.2
2012/09/20	00:10:00	57.6	59.3	58.4	57.9	57.4	57.0	56.8
2012/09/20	00:20:00	57.9	59.8	59.0	58.1	57.7	57.4	57.2
2012/09/20	00:30:00	58.2	60.6	59.1	58.3	57.9	57.7	57.5
2012/09/20	00:40:00	58.2	59.5	58.8	58.4	58.1	57.9	57.6
2012/09/20	00:50:00	58.5	59.4	59.0	58.7	58.4	58.2	58.0
2012/09/20	01:00:00	58.6	59.7	59.2	58.7	58.5	58.2	58.1
2012/09/20	01:10:00	58.8	59.7	59.3	59.0	58.7	58.5	58.3
2012/09/20	01:20:00	59.2	61.0	59.6	59.2	59.0	58.7	58.6
2012/09/20	01:30:00	58.8	60.3	59.7	59.0	58.6	58.4	58.2
2012/09/20	01:40:00	58.3	59.0	58.7	58.5	58.3	58.1	58.0
2012/09/20	01:50:00	58.6	59.4	59.0	58.7	58.6	58.4	58.3
2012/09/20	02:00:00	58.5	60.1	59.2	58.7	58.3	58.1	57.9
2012/09/20	02:10:00	59.3	63.2	59.2	58.6	58.3	58.2	58.1
2012/09/20	02:20:00	58.4	59.1	58.9	58.6	58.3	58.2	58.1
2012/09/20	02:30:00	58.4	59.0	58.8	58.6	58.4	58.3	58.1
2012/09/20	02:40:00	58.4	59.3	58.7	58.5	58.4	58.2	58.0
2012/09/20	02:50:00	60.0	68.5	60.3	59.0	58.7	58.5	58.3
2012/09/20	03:00:00	57.9	58.4	58.2	58.1	57.9	57.7	57.5

**M5 Wetlands Pier
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L _{eq}	L _{1.67}	L _{8.33}	L ₂₅	L ₅₀	L ₇₅	L ₉₀
2012/09/20	03:10:00	57.7	59.5	58.2	57.8	57.6	57.4	57.2
2012/09/20	03:20:00	57.6	58.2	58.0	57.8	57.6	57.4	57.1
2012/09/20	03:30:00	57.0	58.6	57.7	57.1	56.9	56.6	56.4
2012/09/20	03:40:00	56.9	57.9	57.5	57.2	56.9	56.6	56.4
2012/09/20	03:50:00	57.2	58.5	57.6	57.4	57.1	56.8	56.7
2012/09/20	04:00:00	57.2	58.1	57.7	57.4	57.2	57.0	56.8
2012/09/20	04:10:00	57.4	58.1	57.9	57.6	57.3	57.1	56.9
2012/09/20	04:20:00	57.7	59.9	58.4	57.9	57.6	57.2	56.9
2012/09/20	04:30:00	58.5	59.6	59.3	58.9	58.6	58.2	57.5
2012/09/20	04:40:00	57.8	63.2	58.2	57.7	57.2	56.8	56.6
2012/09/20	04:50:00	57.2	59.0	57.9	57.4	57.1	56.8	56.6
2012/09/20	05:00:00	56.7	57.8	57.3	56.9	56.6	56.3	56.1
2012/09/20	05:10:00	57.0	58.8	57.9	57.2	56.8	56.5	56.3
2012/09/20	05:20:00	56.9	58.7	57.7	57.1	56.8	56.5	56.2
2012/09/20	05:30:00	57.3	58.9	58.1	57.6	57.2	56.7	56.5
2012/09/20	05:40:00	57.1	59.1	58.1	57.3	56.9	56.7	56.4
2012/09/20	05:50:00	57.1	59.0	58.1	57.4	56.9	56.5	56.2
2012/09/20	06:00:00	57.5	60.3	58.7	57.8	57.1	56.7	56.3
2012/09/20	06:10:00	57.8	60.4	58.9	58.2	57.6	57.1	56.9
2012/09/20	06:20:00	57.8	61.3	58.9	58.0	57.3	56.8	56.6
2012/09/20	06:30:00	57.8	59.8	59.1	58.3	57.7	57.0	56.6
2012/09/20	06:40:00	58.0	60.9	59.7	58.5	57.6	56.8	56.3
2012/09/20	06:50:00	58.7	62.5	60.3	59.1	58.2	57.6	57.1
2012/09/20	07:00:00	59.3	65.3	60.8	58.9	58.1	57.4	57.0
2012/09/20	07:10:00	58.7	62.7	60.7	59.3	57.9	56.9	56.6
2012/09/20	07:20:00	58.1	61.9	59.9	58.7	57.4	56.3	55.9
2012/09/20	07:30:00	58.1	62.2	59.8	58.5	57.4	56.5	55.6
2012/09/20	07:40:00	58.2	61.5	60.3	58.7	57.7	56.7	56.2
2012/09/20	07:50:00	59.0	64.1	61.5	59.2	57.9	56.9	56.3
2012/09/20	08:00:00	58.3	61.4	60.5	59.0	57.5	56.7	56.2
2012/09/20	08:10:00	58.1	61.5	60.2	58.8	57.7	56.8	55.9
2012/09/20	08:20:00	58.1	62.9	60.4	58.7	57.2	55.9	55.4
2012/09/20	08:30:00	58.1	63.4	60.1	58.6	57.2	55.8	55.1
2012/09/20	08:40:00	58.0	62.1	60.7	58.8	57.2	55.9	55.2
2012/09/20	08:50:00	58.5	65.3	60.8	58.6	57.4	56.0	55.2
2012/09/20	09:00:00	57.2	61.3	60.1	58.0	56.1	55.2	54.9
2012/09/20	09:10:00	57.4	62.4	59.8	57.7	56.5	55.7	55.1
2012/09/20	09:20:00	57.8	62.5	60.7	58.1	56.7	55.8	55.2
2012/09/20	09:30:00	59.7	65.3	61.1	58.7	57.3	55.8	55.3
2012/09/20	09:40:00	58.2	62.9	60.6	58.7	57.3	56.2	55.6
2012/09/20	09:50:00	57.4	60.7	59.3	58.0	56.8	56.2	55.8
2012/09/20	10:00:00	57.4	60.1	59.0	58.1	56.9	56.2	55.7
2012/09/20	10:10:00	57.5	60.9	59.5	58.1	57.0	56.3	55.9

**M5 Wetlands Pier
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	10:20:00	58.0	60.8	59.6	58.7	57.6	56.6	56.0
2012/09/20	10:30:00	59.3	61.8	60.9	60.0	59.2	58.0	57.5
2012/09/20	10:40:00	61.9	64.9	63.4	62.7	61.4	60.7	60.1
2012/09/20	10:50:00	63.6	65.2	64.7	64.1	63.6	62.9	62.5
2012/09/20	11:00:00	63.9	66.2	64.9	64.2	63.7	63.3	63.0
2012/09/20	11:10:00	64.5	65.9	65.2	64.8	64.5	64.0	63.6
2012/09/20	11:20:00	64.2	65.6	65.0	64.5	64.1	63.7	63.5
2012/09/20	11:30:00	64.7	67.0	65.2	64.7	64.3	63.9	63.6
2012/09/20	11:40:00	64.2	65.3	65.0	64.6	64.1	63.7	63.4
2012/09/20	11:50:00	64.2	65.6	65.0	64.5	64.1	63.7	63.3
2012/09/20	12:00:00	64.2	67.2	65.0	64.5	64.1	63.6	63.3
2012/09/20	12:10:00	64.9	66.6	65.4	64.8	64.4	64.0	63.8
2012/09/20	12:20:00	65.3	70.3	66.7	65.2	64.6	64.2	63.9
2012/09/20	12:30:00	64.3	66.9	65.2	64.6	64.2	63.7	63.3
2012/09/20	12:40:00	64.3	67.1	65.0	64.6	64.1	63.7	63.3
2012/09/20	12:50:00	64.3	67.3	65.0	64.5	64.0	63.6	63.3
2012/09/20	13:00:00	64.5	68.1	65.6	64.8	64.1	63.7	63.3
2012/09/20	13:10:00	64.4	68.3	65.4	64.5	63.9	63.6	63.3
2012/09/20	13:20:00	65.0	67.1	66.2	65.4	64.8	64.3	63.9
2012/09/20	13:30:00	64.4	66.7	65.3	64.6	64.2	63.9	63.6
2012/09/20	13:36:25	65.9	75.0	66.0	65.0	64.6	64.2	64.0
2012/09/20	13:40:00	65.0	67.5	66.0	65.4	64.8	64.2	63.7
2012/09/20	13:50:00	64.6	65.8	65.3	64.9	64.5	64.2	63.9
2012/09/20	14:00:00	65.0	68.1	65.9	65.1	64.6	64.3	64.0
2012/09/20	14:10:00	65.0	66.4	65.7	65.3	64.8	64.5	64.2
2012/09/20	14:20:00	65.8	68.0	67.1	66.2	65.5	65.1	64.7
2012/09/20	14:30:00	65.8	68.2	66.5	66.0	65.5	65.0	64.7
2012/09/20	14:40:00	65.2	66.6	66.0	65.5	65.1	64.7	64.4
2012/09/20	14:50:00	65.4	66.9	66.2	65.8	65.3	64.9	64.6
2012/09/20	15:00:00	65.6	68.0	66.6	65.8	65.3	64.9	64.6
2012/09/20	15:10:00	65.6	68.0	66.6	65.8	65.3	64.9	64.6
2012/09/20	15:20:00	65.6	67.1	66.5	65.8	65.5	65.1	64.7
2012/09/20	15:30:00	66.1	67.8	67.2	66.5	65.9	65.5	65.2
2012/09/20	15:40:00	65.5	67.0	66.2	65.7	65.4	65.0	64.6
2012/09/20	15:50:00	65.3	66.5	66.0	65.7	65.3	64.9	64.6
2012/09/20	16:00:00	65.5	67.0	66.3	65.8	65.4	65.0	64.7
2012/09/20	16:10:00	66.3	68.7	67.9	66.7	66.1	65.5	65.2
2012/09/20	16:20:00	66.1	68.4	67.4	66.5	65.8	65.4	65.0
2012/09/20	16:30:00	66.1	68.8	67.1	66.4	65.9	65.4	65.2
2012/09/20	16:40:00	65.7	67.3	66.7	66.1	65.6	65.2	64.9
2012/09/20	16:50:00	66.1	67.7	67.1	66.4	65.9	65.4	65.1
2012/09/20	17:00:00	65.6	67.2	66.7	66.0	65.5	65.1	64.5
2012/09/20	17:10:00	65.1	66.8	65.9	65.4	65.0	64.5	64.1

**M5 Wetlands Pier
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/20	17:20:00	65.0	66.9	66.0	65.4	64.9	64.4	64.2
2012/09/20	17:30:00	64.9	66.6	65.9	65.4	64.8	64.3	63.9
2012/09/20	17:40:00	64.8	67.0	65.8	65.3	64.7	64.1	63.7
2012/09/20	17:50:00	63.7	66.0	65.3	64.3	63.4	62.8	61.9
2012/09/20	18:00:00	62.2	66.6	63.7	62.8	61.6	60.6	60.1
2012/09/20	18:10:00	61.7	64.3	63.3	62.5	61.3	60.6	60.2
2012/09/20	18:20:00	61.5	63.9	62.8	62.0	61.0	60.3	59.9
2012/09/20	18:30:00	61.5	65.3	63.0	61.7	60.8	60.2	59.9
2012/09/20	18:40:00	61.8	68.0	63.4	62.1	60.8	60.2	59.9
2012/09/20	18:50:00	62.0	69.1	64.3	61.8	60.6	60.0	59.6
2012/09/20	19:00:00	62.4	64.5	64.1	63.1	62.0	61.4	61.1
2012/09/20	19:10:00	64.9	70.6	65.9	65.0	64.4	63.3	62.6
2012/09/20	19:20:00	65.2	66.3	65.8	65.4	65.0	64.7	64.4
2012/09/20	19:30:00	65.7	67.4	66.3	66.0	65.6	65.3	65.1
2012/09/20	19:40:00	65.6	66.5	66.1	65.8	65.5	65.3	65.1
2012/09/20	19:50:00	65.7	67.6	66.4	66.0	65.6	65.3	65.0
2012/09/20	20:00:00	65.1	67.0	66.0	65.4	64.9	64.7	64.5
2012/09/20	20:10:00	64.8	66.0	65.5	65.1	64.8	64.5	64.2
2012/09/20	20:20:00	64.8	66.2	65.6	65.2	64.8	64.3	63.9
2012/09/20	20:30:00	63.0	65.8	64.6	63.4	62.7	62.1	61.6
2012/09/20	20:40:00	60.5	62.7	62.0	61.4	60.5	59.1	58.7
2012/09/20	20:50:00	59.6	66.2	61.0	59.6	58.6	58.1	57.6
2012/09/20	21:00:00	58.5	61.6	59.8	58.9	58.1	57.6	57.3
2012/09/20	21:10:00	58.3	61.1	59.6	58.8	57.8	57.1	56.8
2012/09/20	21:20:00	59.5	67.4	60.5	59.0	58.0	57.2	56.9
2012/09/20	21:30:00	57.9	60.2	59.6	58.3	57.5	57.1	56.8
2012/09/20	21:40:00	58.3	62.8	59.6	58.6	57.7	57.0	56.3
2012/09/20	21:50:00	57.6	60.7	59.7	58.2	57.1	56.3	55.8
2012/09/20	22:00:00	57.4	60.5	59.4	58.0	56.9	56.0	55.6
2012/09/20	22:10:00	58.8	63.5	61.5	59.4	57.5	56.5	56.0
2012/09/20	22:20:00	58.4	61.3	60.2	59.1	58.0	57.0	56.3
2012/09/20	22:30:00	59.4	65.0	61.7	59.7	58.4	57.1	56.6
2012/09/20	22:40:00	59.1	63.3	60.7	59.6	58.5	57.9	57.4
2012/09/20	22:50:00	60.5	62.6	61.7	61.0	60.2	59.7	59.4
2012/09/20	23:00:00	62.0	64.7	64.0	62.7	61.6	60.8	60.2
2012/09/20	23:10:00	62.8	64.7	63.9	63.2	62.6	61.9	61.5
2012/09/20	23:20:00	62.1	64.6	62.6	62.2	61.8	61.5	61.3
2012/09/20	23:30:00	61.7	63.0	62.5	62.1	61.7	61.2	60.9
2012/09/20	23:40:00	61.8	62.9	62.4	62.0	61.7	61.4	61.2
2012/09/20	23:50:00	61.6	62.6	62.2	61.9	61.5	61.3	61.1
2012/09/21	00:00:00	61.6	63.0	62.3	61.9	61.6	61.3	61.1
2012/09/21	00:10:00	61.6	62.7	62.3	61.9	61.5	61.2	61.0
2012/09/21	00:20:00	61.4	63.0	62.1	61.6	61.3	61.0	60.8

**M5 Wetlands Pier
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/21	00:30:00	61.3	62.3	62.0	61.6	61.2	61.0	60.8
2012/09/21	00:40:00	61.5	64.7	62.2	61.6	61.3	61.0	60.7
2012/09/21	00:50:00	61.3	62.1	61.9	61.6	61.3	61.0	60.8
2012/09/21	01:00:00	61.5	62.5	62.2	61.7	61.4	61.1	60.9
2012/09/21	01:10:00	61.3	62.6	62.2	61.7	61.2	60.9	60.6
2012/09/21	01:20:00	61.2	62.4	61.8	61.5	61.2	60.9	60.7
2012/09/21	01:30:00	61.2	62.0	61.7	61.4	61.1	60.9	60.7
2012/09/21	01:40:00	61.2	62.0	61.7	61.4	61.2	60.9	60.7
2012/09/21	01:50:00	61.5	62.5	62.0	61.7	61.4	61.1	60.9
2012/09/21	02:00:00	61.4	62.3	62.0	61.7	61.4	61.1	60.9
2012/09/21	02:10:00	61.4	62.2	61.9	61.6	61.3	61.1	60.9
2012/09/21	02:20:00	61.4	62.3	61.8	61.6	61.3	61.1	60.9
2012/09/21	02:30:00	61.1	62.3	61.7	61.4	61.1	60.9	60.7
2012/09/21	02:40:00	61.1	62.2	61.7	61.4	61.1	60.8	60.6
2012/09/21	02:50:00	62.5	68.7	61.8	61.4	61.1	60.9	60.7
2012/09/21	03:00:00	61.2	61.9	61.6	61.4	61.1	60.9	60.7
2012/09/21	03:10:00	61.2	61.8	61.6	61.5	61.2	61.0	60.8
2012/09/21	03:20:00	61.3	62.3	61.8	61.5	61.2	61.0	60.8
2012/09/21	03:30:00	61.2	61.8	61.6	61.3	61.1	61.0	60.8
2012/09/21	03:40:00	61.2	62.2	61.7	61.5	61.2	60.9	60.8
2012/09/21	03:50:00	61.3	62.6	61.7	61.4	61.2	61.0	60.8
2012/09/21	04:00:00	61.4	62.2	61.8	61.5	61.3	61.1	61.0
2012/09/21	04:10:00	61.2	61.9	61.7	61.4	61.2	61.0	60.9
2012/09/21	04:20:00	61.2	62.0	61.8	61.4	61.2	61.0	60.9
2012/09/21	04:30:00	61.6	64.8	61.9	61.6	61.4	61.1	61.0
2012/09/21	04:40:00	61.5	62.1	61.8	61.6	61.4	61.2	61.1
2012/09/21	04:50:00	61.6	62.9	62.0	61.7	61.5	61.3	61.1
2012/09/21	05:00:00	61.7	62.9	62.3	61.8	61.6	61.4	61.3
2012/09/21	05:10:00	61.8	62.7	62.1	61.9	61.8	61.6	61.5
2012/09/21	05:20:00	62.3	65.4	62.7	62.2	61.9	61.7	61.5
2012/09/21	05:30:00	62.1	63.2	62.6	62.3	62.0	61.8	61.6
2012/09/21	05:40:00	62.2	63.5	62.7	62.3	62.1	61.8	61.7
2012/09/21	05:50:00	62.2	63.1	62.8	62.4	62.1	61.8	61.6
2012/09/21	06:00:00	60.7	62.1	61.5	61.1	60.8	60.4	59.6
2012/09/21	06:10:00	58.5	59.9	59.3	58.8	58.5	58.0	57.7
2012/09/21	06:20:00	58.6	61.2	59.8	58.8	58.3	57.6	57.2
2012/09/21	06:30:00	58.3	61.8	59.8	58.6	58.0	57.4	56.9
2012/09/21	06:40:00	58.4	61.5	59.9	58.9	58.2	57.3	56.6
2012/09/21	06:50:00	58.5	61.6	60.3	59.0	58.2	57.2	56.5
2012/09/21	07:00:00	58.9	60.9	60.2	59.5	58.7	58.1	57.7
2012/09/21	07:10:00	59.3	63.0	61.0	59.7	58.8	58.1	57.7
2012/09/21	07:20:00	59.0	62.2	60.5	59.7	58.6	57.7	57.2
2012/09/21	07:30:00	59.3	65.2	61.7	60.0	58.0	57.2	56.7

**M5 Wetlands Pier
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/21	07:40:00	58.9	61.9	60.6	59.6	58.5	57.7	57.2
2012/09/21	07:50:00	58.9	61.0	60.3	59.5	58.7	58.1	57.7
2012/09/21	08:00:00	59.3	62.3	61.1	59.7	59.0	58.4	57.8
2012/09/21	08:10:00	59.8	64.2	61.5	60.1	59.0	58.3	58.0
2012/09/21	08:20:00	59.5	63.8	61.2	59.8	58.8	58.0	57.6
2012/09/21	08:30:00	59.1	62.0	61.1	59.6	58.5	58.0	57.5
2012/09/21	08:40:00	62.9	68.6	66.9	63.9	60.7	58.9	57.8
2012/09/21	08:50:00	62.6	68.9	66.1	63.0	59.9	58.4	57.8
2012/09/21	09:00:00	60.0	62.8	61.9	60.5	59.5	58.7	58.2
2012/09/21	09:10:00	59.8	62.8	61.6	60.5	59.3	58.7	58.3
2012/09/21	09:20:00	59.9	65.5	61.5	60.1	59.2	58.5	58.1
2012/09/21	09:30:00	60.2	64.0	62.0	60.7	59.7	58.6	58.2
2012/09/21	09:40:00	60.2	65.0	62.1	60.5	59.6	58.8	58.4
2012/09/21	09:50:00	60.3	65.3	62.2	60.5	59.5	58.8	58.4
2012/09/21	10:00:00	60.2	64.1	62.3	60.6	59.6	58.9	58.4
2012/09/21	10:10:00	61.0	66.0	62.7	60.9	59.8	58.9	58.4
2012/09/21	10:20:00	61.9	66.2	64.4	62.4	61.1	60.1	59.6
2012/09/21	10:30:00	60.3	64.4	62.0	60.7	59.8	59.0	58.4
2012/09/21	10:40:00	60.0	61.9	61.5	60.6	59.7	59.0	58.6
2012/09/21	10:50:00	61.1	68.6	62.5	61.1	60.0	59.4	58.9
2012/09/21	11:00:00	60.5	64.0	61.9	60.9	59.8	59.0	58.7
2012/09/21	11:10:00	61.2	65.7	62.8	61.5	60.6	59.9	59.5
2012/09/21	11:20:00	62.2	64.1	63.5	62.8	62.0	61.3	61.0
2012/09/21	11:30:00	64.0	67.8	64.6	64.1	63.7	63.1	62.6
2012/09/21	11:40:00	64.6	66.9	65.4	64.9	64.4	64.0	63.6
2012/09/21	11:50:00	64.6	66.0	65.4	64.9	64.5	64.1	63.8
2012/09/21	12:00:00	64.7	66.0	65.4	65.0	64.6	64.1	63.7
2012/09/21	12:10:00	64.1	65.9	64.9	64.5	64.1	63.6	63.2
2012/09/21	12:20:00	64.5	67.4	65.4	64.7	64.3	63.9	63.6

**M5 Wetlands Pier
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/19/2012 12:50	10.3	14.5	4.3
9/19/2012 13:00	9.9	14.5	4.3
9/19/2012 13:10	9.8	14.5	4.3
9/19/2012 13:20	10.2	14.5	4.3
9/19/2012 13:30	11.5	16.4	7.7
9/19/2012 13:40	10.5	14.5	4.3
9/19/2012 13:50	11	17.8	4.3
9/19/2012 14:00	12	17.8	5.9
9/19/2012 14:10	11.7	17.8	4.3
9/19/2012 14:20	11.9	17.8	5.9
9/19/2012 14:30	11.8	16.4	4.3
9/19/2012 14:40	11.4	16.4	4.3
9/19/2012 14:50	11.2	17.8	4.3
9/19/2012 15:00	10	16.4	4.3
9/19/2012 15:10	10	16.4	4.3
9/19/2012 15:20	10.6	16.4	4.3
9/19/2012 15:30	12	17.8	4.3
9/19/2012 15:40	12.3	17.8	7.7
9/19/2012 15:50	10.3	16.4	4.3
9/19/2012 16:00	10.8	17.8	4.3
9/19/2012 16:10	9	14.5	2.6
9/19/2012 16:20	10.3	16.4	5.9
9/19/2012 16:30	11.4	16.4	5.9
9/19/2012 16:40	9.7	14.5	5.9
9/19/2012 16:50	8.9	14.5	2.6
9/19/2012 17:00	9.2	14.5	2.6
9/19/2012 17:10	9.4	14.5	2.6
9/19/2012 17:20	8.3	12.8	0.9
9/19/2012 17:30	7.1	10.9	2.6
9/19/2012 17:40	7	10.9	0.9
9/19/2012 17:50	6.6	10.9	0.9
9/19/2012 18:00	5.1	9.3	0.9
9/19/2012 18:10	5.8	10.9	0.9
9/19/2012 18:20	7.7	12.8	2.6
9/19/2012 18:30	6.6	10.9	0.9
9/19/2012 18:40	6.3	10.9	2.6
9/19/2012 18:50	6	10.9	0.9
9/19/2012 19:00	4.7	7.7	0.9
9/19/2012 19:10	4.1	7.7	0.9

**M5 Wetlands Pier
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/19/2012 19:20	4.2	7.7	0.9
9/19/2012 19:30	3.6	7.7	0.9
9/19/2012 19:40	3.4	5.9	0.9
9/19/2012 19:50	3.6	7.7	0.9
9/19/2012 20:00	2.3	5.9	0.9
9/19/2012 20:10	1.3	4.3	0.9
9/19/2012 20:20	1.6	4.3	0.9
9/19/2012 20:30	0.9	4.3	0.9
9/19/2012 20:40	0.9	0.9	0.9
9/19/2012 20:50	0.9	0.9	0.9
9/19/2012 21:00	1.5	4.3	0.9
9/19/2012 21:10	3	5.9	0.9
9/19/2012 21:20	2.2	4.3	0.9
9/19/2012 21:30	3.1	5.9	0.9
9/19/2012 21:40	3.8	5.9	0.9
9/19/2012 21:50	4.3	7.7	0.9
9/19/2012 22:00	5.7	9.3	2.6
9/19/2012 22:10	5.9	9.3	2.6
9/19/2012 22:20	5.9	9.3	2.6
9/19/2012 22:30	4.2	7.7	0.9
9/19/2012 22:40	3.6	5.9	0.9
9/19/2012 22:50	3.2	7.7	0.9
9/19/2012 23:00	3.7	7.7	0.9
9/19/2012 23:10	2.6	5.9	0.9
9/19/2012 23:20	2.6	5.9	0.9
9/19/2012 23:30	0.9	2.6	0.9
9/19/2012 23:40	0.9	2.6	0.9
9/19/2012 23:50	0.9	0.9	0.9
9/20/2012 0:00	0.9	0.9	0.9
9/20/2012 0:10	0.9	2.6	0.9
9/20/2012 0:20	0.9	2.6	0.9
9/20/2012 0:30	0.9	2.6	0.9
9/20/2012 0:40	0.9	2.6	0.9
9/20/2012 0:50	0.9	0.9	0.9
9/20/2012 1:00	0.9	0.9	0.9
9/20/2012 1:10	0.9	0.9	0.9
9/20/2012 1:20	0.9	0.9	0.9
9/20/2012 1:30	0.9	0.9	0.9
9/20/2012 1:40	0.9	0.9	0.9

**M5 Wetlands Pier
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/20/2012 1:50	0.9	2.6	0.9
9/20/2012 2:00	1.1	2.6	0.9
9/20/2012 2:10	0.9	0.9	0.9
9/20/2012 2:20	0.9	0.9	0.9
9/20/2012 2:30	0.9	0.9	0.9
9/20/2012 2:40	0.9	0.9	0.9
9/20/2012 2:50	0.9	0.9	0.9
9/20/2012 3:00	0.9	0.9	0.9
9/20/2012 3:10	0.9	0.9	0.9
9/20/2012 3:20	0.9	0.9	0.9
9/20/2012 3:30	0.9	0.9	0.9
9/20/2012 3:40	0.9	0.9	0.9
9/20/2012 3:50	0.9	0.9	0.9
9/20/2012 4:00	0.9	0.9	0.9
9/20/2012 4:10	0.9	0.9	0.9
9/20/2012 4:20	0.9	0.9	0.9
9/20/2012 4:30	0.9	0.9	0.9
9/20/2012 4:40	0.9	0.9	0.9
9/20/2012 4:50	0.9	0.9	0.9
9/20/2012 5:00	0.9	0.9	0.9
9/20/2012 5:10	0.9	0.9	0.9
9/20/2012 5:20	0.9	0.9	0.9
9/20/2012 5:30	0.9	0.9	0.9
9/20/2012 5:40	0.9	0.9	0.9
9/20/2012 5:50	0.9	0.9	0.9
9/20/2012 6:00	0.9	0.9	0.9
9/20/2012 6:10	0.9	0.9	0.9
9/20/2012 6:20	0.9	2.6	0.9
9/20/2012 6:30	0.9	2.6	0.9
9/20/2012 6:40	0.9	2.6	0.9
9/20/2012 6:50	0.9	2.6	0.9
9/20/2012 7:00	0.9	2.6	0.9
9/20/2012 7:10	0.9	0.9	0.9
9/20/2012 7:20	0.9	0.9	0.9
9/20/2012 7:30	0.9	2.6	0.9
9/20/2012 7:40	0.9	0.9	0.9
9/20/2012 7:50	1	2.6	0.9
9/20/2012 8:00	1.1	4.3	0.9
9/20/2012 8:10	0.9	4.3	0.9

**M5 Wetlands Pier
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/20/2012 8:20	0.9	2.6	0.9
9/20/2012 8:30	1.2	4.3	0.9
9/20/2012 8:40	1.1	4.3	0.9
9/20/2012 8:50	1.8	4.3	0.9
9/20/2012 9:00	1.6	4.3	0.9
9/20/2012 9:10	1.7	5.9	0.9
9/20/2012 9:20	2.3	7.7	0.9
9/20/2012 9:30	2.7	5.9	0.9
9/20/2012 9:40	2.4	5.9	0.9
9/20/2012 9:50	2.2	5.9	0.9
9/20/2012 10:00	2.8	5.9	0.9
9/20/2012 10:10	3.7	7.7	0.9
9/20/2012 10:20	4.2	7.7	0.9
9/20/2012 10:30	4.7	7.7	0.9
9/20/2012 10:40	4.6	7.7	0.9
9/20/2012 10:50	4.7	7.7	0.9
9/20/2012 11:00	4.7	7.7	0.9
9/20/2012 11:10	4.5	7.7	0.9
9/20/2012 11:20	5.2	10.9	0.9
9/20/2012 11:30	5.1	9.3	0.9
9/20/2012 11:40	5.6	9.3	0.9
9/20/2012 11:50	5.8	9.3	0.9
9/20/2012 12:00	5.9	9.3	2.6
9/20/2012 12:10	5.5	9.3	0.9
9/20/2012 12:20	5.9	9.3	0.9
9/20/2012 12:30	6.2	9.3	2.6
9/20/2012 12:40	5.9	9.3	0.9
9/20/2012 12:50	6.7	10.9	0.9
9/20/2012 13:00	5.9	9.3	0.9
9/20/2012 13:10	7.5	10.9	2.6
9/20/2012 13:20	9.2	14.5	4.3
9/20/2012 13:30	9.4	14.5	2.6
9/20/2012 13:40	8.5	14.5	0.9
9/20/2012 13:50	9.1	12.8	4.3
9/20/2012 14:00	8.8	12.8	2.6
9/20/2012 14:10	9	14.5	4.3
9/20/2012 14:20	9.6	14.5	4.3
9/20/2012 14:30	9	14.5	4.3
9/20/2012 14:40	8.6	12.8	4.3

**M5 Wetlands Pier
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/20/2012 14:50	6.1	10.9	0.9
9/20/2012 15:00	5.6	10.9	0.9
9/20/2012 15:10	7	10.9	0.9
9/20/2012 15:20	6.9	12.8	0.9
9/20/2012 15:30	6	9.3	0.9
9/20/2012 15:40	6.5	12.8	0.9
9/20/2012 15:50	8.8	14.5	2.6
9/20/2012 16:00	10.5	14.5	4.3
9/20/2012 16:10	10.2	16.4	4.3
9/20/2012 16:20	10	16.4	4.3
9/20/2012 16:30	9	14.5	2.6
9/20/2012 16:40	9.4	14.5	4.3
9/20/2012 16:50	9.4	14.5	4.3
9/20/2012 17:00	9.5	14.5	4.3
9/20/2012 17:10	7.5	12.8	2.6
9/20/2012 17:20	8.5	12.8	4.3
9/20/2012 17:30	8.2	12.8	2.6
9/20/2012 17:40	8	12.8	2.6
9/20/2012 17:50	8.6	14.5	2.6
9/20/2012 18:00	10.8	14.5	5.9
9/20/2012 18:10	9.8	16.4	4.3
9/20/2012 18:20	7.7	12.8	0.9
9/20/2012 18:30	7.9	12.8	2.6
9/20/2012 18:40	7	10.9	4.3
9/20/2012 18:50	6.3	10.9	2.6
9/20/2012 19:00	5.1	9.3	0.9
9/20/2012 19:10	5.8	10.9	0.9
9/20/2012 19:20	4.6	7.7	0.9
9/20/2012 19:30	3.8	7.7	0.9
9/20/2012 19:40	4.2	7.7	0.9
9/20/2012 19:50	5	7.7	0.9
9/20/2012 20:00	4.3	7.7	0.9
9/20/2012 20:10	4.7	7.7	0.9
9/20/2012 20:20	5.5	9.3	2.6
9/20/2012 20:30	5.7	9.3	2.6
9/20/2012 20:40	5.9	10.9	0.9
9/20/2012 20:50	5.1	9.3	2.6
9/20/2012 21:00	3.6	7.7	0.9
9/20/2012 21:10	2.7	5.9	0.9

**M5 Wetlands Pier
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/20/2012 21:20	1.8	4.3	0.9
9/20/2012 21:30	1.4	4.3	0.9
9/20/2012 21:40	1.9	4.3	0.9
9/20/2012 21:50	3.4	5.9	0.9
9/20/2012 22:00	5.3	9.3	0.9
9/20/2012 22:10	6.2	9.3	2.6
9/20/2012 22:20	6.2	9.3	2.6
9/20/2012 22:30	5.7	9.3	2.6
9/20/2012 22:40	4.8	7.7	0.9
9/20/2012 22:50	5.1	9.3	2.6
9/20/2012 23:00	5.6	9.3	2.6
9/20/2012 23:10	5.7	9.3	2.6
9/20/2012 23:20	5.2	7.7	0.9
9/20/2012 23:30	6.1	9.3	2.6
9/20/2012 23:40	5.3	9.3	2.6
9/20/2012 23:50	4.7	9.3	0.9
9/21/2012 0:00	5	7.7	0.9
9/21/2012 0:10	5.5	7.7	2.6
9/21/2012 0:20	4.9	7.7	0.9
9/21/2012 0:30	5.1	9.3	0.9
9/21/2012 0:40	6.3	10.9	2.6
9/21/2012 0:50	6.3	9.3	2.6
9/21/2012 1:00	5.4	7.7	2.6
9/21/2012 1:10	5	9.3	0.9
9/21/2012 1:20	5.4	9.3	2.6
9/21/2012 1:30	5	7.7	2.6
9/21/2012 1:40	5.9	9.3	2.6
9/21/2012 1:50	5.6	9.3	0.9
9/21/2012 2:00	4.7	7.7	0.9
9/21/2012 2:10	5	7.7	0.9
9/21/2012 2:20	4.6	7.7	0.9
9/21/2012 2:30	5.3	7.7	2.6
9/21/2012 2:40	5.9	9.3	0.9
9/21/2012 2:50	6.7	10.9	2.6
9/21/2012 3:00	6.5	10.9	4.3
9/21/2012 3:10	5.1	9.3	0.9
9/21/2012 3:20	5.8	9.3	2.6
9/21/2012 3:30	4.8	9.3	0.9
9/21/2012 3:40	5.8	7.7	2.6

**M5 Wetlands Pier
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/21/2012 3:50	4.9	9.3	0.9
9/21/2012 4:00	4.7	9.3	0.9
9/21/2012 4:10	5	7.7	2.6
9/21/2012 4:20	4.9	7.7	2.6
9/21/2012 4:30	3.7	5.9	0.9
9/21/2012 4:40	3.2	5.9	0.9
9/21/2012 4:50	1.8	4.3	0.9
9/21/2012 5:00	2.1	4.3	0.9
9/21/2012 5:10	1.2	2.6	0.9
9/21/2012 5:20	0.9	2.6	0.9
9/21/2012 5:30	1.3	2.6	0.9
9/21/2012 5:40	0.9	0.9	0.9
9/21/2012 5:50	1.2	2.6	0.9
9/21/2012 6:00	2.3	4.3	0.9
9/21/2012 6:10	2.4	4.3	0.9
9/21/2012 6:20	2.9	4.3	0.9
9/21/2012 6:30	1.6	4.3	0.9
9/21/2012 6:40	2.1	4.3	0.9
9/21/2012 6:50	1.7	4.3	0.9
9/21/2012 7:00	1.8	4.3	0.9
9/21/2012 7:10	2.3	5.9	0.9
9/21/2012 7:20	2.9	5.9	0.9
9/21/2012 7:30	2.6	5.9	0.9
9/21/2012 7:40	2.5	5.9	0.9
9/21/2012 7:50	2.6	5.9	0.9
9/21/2012 8:00	2.8	5.9	0.9
9/21/2012 8:10	3.8	7.7	0.9
9/21/2012 8:20	3.5	5.9	0.9
9/21/2012 8:30	2.4	5.9	0.9
9/21/2012 8:40	2.4	5.9	0.9
9/21/2012 8:50	2.9	7.7	0.9
9/21/2012 9:00	4.7	7.7	0.9
9/21/2012 9:10	4.7	7.7	0.9
9/21/2012 9:20	4	7.7	0.9
9/21/2012 9:30	5.8	9.3	0.9
9/21/2012 9:40	4	7.7	0.9
9/21/2012 9:50	5.1	7.7	0.9
9/21/2012 10:00	6.1	9.3	0.9
9/21/2012 10:10	5.8	9.3	0.9

**M5 Wetlands Pier
Microphone Windspeed Time Series
Huntington Beach Energy Project**

Date	Average Windspeed (mph)	Maximum Windspeed (mph)	Minimum Windspeed (mph)
9/21/2012 10:20	5.2	7.7	0.9
9/21/2012 10:30	5	9.3	0.9
9/21/2012 10:40	5.5	7.7	0.9
9/21/2012 10:50	4.7	9.3	0.9
9/21/2012 11:00	6	9.3	0.9
9/21/2012 11:10	6.2	9.3	2.6
9/21/2012 11:20	5.7	9.3	2.6
9/21/2012 11:30	5.4	7.7	0.9
9/21/2012 11:40	5.5	9.3	0.9
9/21/2012 11:50	4.7	7.7	0.9
9/21/2012 12:00	4.2	7.7	0.9
9/21/2012 12:10	4.5	7.7	0.9
9/21/2012 12:20	5.2	7.7	0.9

M6 Wetlands Back
Sound Level Time Series
Huntington Beach Energy Project

Date	Time	L _{eq}	L _{1.67}	L _{8.33}	L ₂₅	L ₅₀	L ₇₅	L ₉₀
2012/09/19	11:50:00	62.3	71.2	63.7	58.6	56.0	54.9	54.2
2012/09/19	12:00:00	59.2	68.7	62.2	57.5	56.0	55.0	54.3
2012/09/19	12:10:00	55.8	58.2	57.2	56.3	55.6	54.8	54.4
2012/09/19	12:20:00	56.7	60.3	58.3	57.1	56.4	55.6	54.9
2012/09/19	12:30:00	56.2	59.1	57.7	56.7	56.0	55.1	54.3
2012/09/19	12:40:00	56.2	60.2	58.1	56.4	55.7	54.9	54.4
2012/09/19	12:50:00	55.9	60.9	56.9	56.1	55.5	54.9	54.3
2012/09/19	13:00:00	55.9	58.7	57.0	56.3	55.7	55.1	54.6
2012/09/19	13:10:00	56.1	59.0	57.5	56.6	55.8	55.2	54.6
2012/09/19	13:20:00	56.5	61.3	58.7	56.8	55.6	54.9	54.5
2012/09/19	13:30:00	55.9	58.3	57.1	56.4	55.8	55.2	54.7
2012/09/19	13:40:00	55.2	57.7	56.5	55.5	55.0	54.5	54.1
2012/09/19	13:50:00	55.8	60.2	56.4	55.8	55.2	54.8	54.4
2012/09/19	14:00:00	55.5	60.7	56.4	55.4	54.9	54.5	54.3
2012/09/19	14:10:00	55.6	59.8	56.9	55.8	55.2	54.6	54.3
2012/09/19	14:20:00	54.6	56.4	55.7	55.0	54.4	53.9	53.5
2012/09/19	14:30:00	55.1	57.6	56.1	55.3	54.9	54.4	54.1
2012/09/19	14:40:00	54.9	57.1	55.8	55.1	54.6	54.2	53.8
2012/09/19	14:50:00	54.8	56.2	55.5	55.2	54.8	54.3	53.7
2012/09/19	15:00:00	55.5	62.6	56.1	55.3	54.7	54.3	54.0
2012/09/19	15:10:00	55.2	59.6	56.0	55.2	54.8	54.3	54.0
2012/09/19	15:20:00	55.0	58.1	56.5	55.4	54.7	54.1	53.7
2012/09/19	15:30:00	55.2	59.5	55.8	55.4	54.8	54.4	54.0
2012/09/19	15:40:00	55.7	59.0	57.0	56.0	55.3	54.8	54.4
2012/09/19	15:50:00	57.7	66.2	60.6	56.4	55.3	54.7	54.2
2012/09/19	16:00:00	54.9	56.7	55.8	55.3	54.8	54.3	53.9
2012/09/19	16:10:00	56.0	57.6	56.8	56.3	55.9	55.4	55.1
2012/09/19	16:20:00	56.3	58.2	57.6	56.8	56.1	55.5	55.1
2012/09/19	16:30:00	56.9	59.0	58.0	57.3	56.8	56.2	55.7
2012/09/19	16:40:00	56.3	58.6	57.7	56.9	56.0	55.3	54.8
2012/09/19	16:50:00	54.8	57.1	55.8	55.1	54.6	54.2	53.9
2012/09/19	17:00:00	55.8	59.6	57.6	56.1	55.3	54.6	54.2
2012/09/19	17:10:00	55.7	57.9	56.7	56.1	55.5	55.0	54.6
2012/09/19	17:20:00	56.0	62.5	57.4	55.7	54.9	54.5	54.2
2012/09/19	17:30:00	54.7	58.1	55.5	54.9	54.4	54.0	53.7
2012/09/19	17:40:00	54.6	57.0	56.2	54.8	54.3	53.9	53.6
2012/09/19	17:50:00	54.6	59.2	55.7	54.7	54.1	53.5	53.2
2012/09/19	18:00:00	54.9	59.3	56.9	55.0	54.2	53.8	53.4
2012/09/19	18:10:00	54.7	57.7	56.1	55.1	54.3	53.8	53.5
2012/09/19	18:20:00	55.0	58.7	56.9	55.4	54.3	53.8	53.4
2012/09/19	18:30:00	54.1	56.9	55.1	54.4	53.9	53.4	52.9
2012/09/19	18:40:00	54.3	58.4	55.8	54.7	53.9	53.2	52.7
2012/09/19	18:50:00	55.2	59.8	58.1	55.4	54.5	53.6	52.8

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Date	Time	L _{eq}	L _{1.67}	L _{8.33}	L ₂₅	L ₅₀	L ₇₅	L ₉₀
2012/09/19	19:00:00	54.1	57.5	55.1	54.2	53.7	53.2	52.8
2012/09/19	19:10:00	58.9	65.1	63.0	57.5	54.6	53.8	53.1
2012/09/19	19:20:00	54.0	56.5	55.3	54.3	53.8	53.3	52.8
2012/09/19	19:30:00	53.8	56.5	54.8	54.2	53.5	53.1	52.7
2012/09/19	19:40:00	53.6	57.2	54.8	53.8	53.2	52.9	52.6
2012/09/19	19:50:00	53.8	59.2	56.4	53.6	52.8	52.4	52.0
2012/09/19	20:00:00	53.0	57.9	54.0	53.0	52.3	51.9	51.6
2012/09/19	20:10:00	52.1	55.8	53.4	52.4	51.7	51.2	50.9
2012/09/19	20:20:00	52.6	56.6	54.2	52.8	52.1	51.7	51.4
2012/09/19	20:30:00	51.6	53.1	52.5	51.9	51.5	51.1	50.9
2012/09/19	20:40:00	51.6	55.8	53.8	51.8	51.0	50.3	49.9
2012/09/19	20:50:00	50.7	53.6	52.0	50.9	50.4	49.8	49.5
2012/09/19	21:00:00	51.7	56.4	53.4	51.7	51.0	50.3	50.0
2012/09/19	21:10:00	52.3	58.9	53.9	52.4	51.2	50.6	50.2
2012/09/19	21:20:00	52.7	56.3	54.6	53.0	51.8	51.1	50.7
2012/09/19	21:30:00	52.8	57.2	54.9	53.3	52.0	51.4	50.8
2012/09/19	21:40:00	53.2	58.4	55.2	53.5	52.4	51.5	50.9
2012/09/19	21:50:00	52.5	55.0	54.1	53.0	52.1	51.5	51.1
2012/09/19	22:00:00	52.9	56.1	54.4	53.2	52.5	51.8	50.9
2012/09/19	22:10:00	53.2	55.8	54.9	53.8	53.0	52.3	51.6
2012/09/19	22:20:00	53.1	57.5	54.5	53.4	52.6	52.0	51.4
2012/09/19	22:30:00	56.7	66.9	57.6	55.1	53.8	52.8	52.1
2012/09/19	22:40:00	53.2	56.3	54.5	53.6	53.0	52.1	51.5
2012/09/19	22:50:00	52.2	54.2	53.5	52.7	52.0	51.5	51.0
2012/09/19	23:00:00	51.2	53.9	52.7	51.6	51.0	50.3	49.8
2012/09/19	23:10:00	51.3	53.4	52.4	51.7	51.2	50.7	50.0
2012/09/19	23:20:00	51.5	58.3	53.3	51.5	50.5	49.6	48.9
2012/09/19	23:30:00	51.5	53.2	52.5	51.9	51.4	50.8	50.3
2012/09/19	23:40:00	51.3	53.0	52.4	51.8	51.2	50.7	50.1
2012/09/19	23:50:00	51.6	54.0	52.8	52.2	51.4	50.7	50.2
2012/09/20	00:00:00	51.6	53.7	52.7	52.1	51.5	51.0	50.4
2012/09/20	00:10:00	51.9	53.5	52.7	52.3	51.9	51.4	51.0
2012/09/20	00:20:00	52.0	53.8	52.8	52.3	51.8	51.4	51.0
2012/09/20	00:30:00	51.9	54.0	52.8	52.2	51.8	51.3	51.0
2012/09/20	00:40:00	52.8	54.5	54.0	53.2	52.7	52.2	52.0
2012/09/20	00:50:00	53.2	54.8	54.3	53.6	53.2	52.6	52.2
2012/09/20	01:00:00	53.0	54.7	53.7	53.3	52.9	52.7	52.4
2012/09/20	01:10:00	52.9	54.6	53.8	53.1	52.7	52.4	52.1
2012/09/20	01:20:00	53.1	57.4	54.0	53.2	52.7	52.2	51.8
2012/09/20	01:30:00	52.5	54.2	53.6	52.8	52.3	51.9	51.7
2012/09/20	01:40:00	51.8	53.0	52.6	52.1	51.7	51.4	51.1
2012/09/20	01:50:00	52.1	53.5	52.8	52.4	52.0	51.6	51.4
2012/09/20	02:00:00	51.8	53.8	52.9	52.1	51.6	51.2	50.9

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Date	Time	L _{eq}	L _{1.67}	L _{8.33}	L ₂₅	L ₅₀	L ₇₅	L ₉₀
2012/09/20	02:10:00	52.2	56.9	53.2	51.9	51.6	51.3	51.1
2012/09/20	02:20:00	52.2	54.0	53.1	52.4	52.1	51.8	51.5
2012/09/20	02:30:00	52.3	54.1	52.8	52.5	52.2	51.9	51.7
2012/09/20	02:40:00	52.0	52.9	52.7	52.4	52.0	51.6	51.3
2012/09/20	02:50:00	53.0	58.4	53.9	52.9	52.4	51.9	51.6
2012/09/20	03:00:00	52.0	52.8	52.5	52.3	52.0	51.6	51.4
2012/09/20	03:10:00	51.7	53.3	52.4	52.0	51.6	51.2	51.0
2012/09/20	03:20:00	52.3	53.7	53.3	52.7	52.2	51.8	51.5
2012/09/20	03:30:00	51.4	52.7	52.4	51.8	51.2	50.8	50.6
2012/09/20	03:40:00	52.4	53.7	53.3	52.9	52.5	51.7	51.2
2012/09/20	03:50:00	53.2	54.6	54.2	53.6	53.1	52.6	52.3
2012/09/20	04:00:00	53.8	55.3	54.7	54.2	53.7	53.2	52.9
2012/09/20	04:10:00	55.7	57.3	57.0	56.6	55.9	54.5	54.0
2012/09/20	04:20:00	55.5	57.4	56.8	56.0	55.3	54.8	54.4
2012/09/20	04:30:00	56.0	57.5	56.9	56.4	56.0	55.4	55.0
2012/09/20	04:40:00	54.5	59.2	55.3	54.7	53.8	53.1	52.7
2012/09/20	04:50:00	52.3	55.5	53.7	52.7	52.1	51.4	51.0
2012/09/20	05:00:00	51.3	52.1	51.8	51.5	51.3	51.0	50.8
2012/09/20	05:10:00	51.5	52.9	52.3	51.9	51.4	51.0	50.7
2012/09/20	05:20:00	51.7	52.7	52.2	51.9	51.6	51.4	51.2
2012/09/20	05:30:00	52.4	53.3	53.0	52.7	52.4	52.1	51.9
2012/09/20	05:40:00	52.5	54.0	53.1	52.7	52.4	52.1	51.9
2012/09/20	05:50:00	52.7	53.9	53.3	53.0	52.6	52.3	52.1
2012/09/20	06:00:00	53.0	55.1	54.0	53.3	52.9	52.5	52.2
2012/09/20	06:10:00	53.2	54.6	54.2	53.7	53.1	52.6	52.3
2012/09/20	06:20:00	52.1	54.1	53.2	52.4	51.8	51.4	51.1
2012/09/20	06:30:00	52.9	54.6	53.9	53.3	52.7	52.3	52.0
2012/09/20	06:40:00	52.1	54.0	53.5	52.7	51.7	51.2	50.8
2012/09/20	06:50:00	53.5	57.4	55.7	54.3	52.9	51.8	51.3
2012/09/20	07:00:00	53.0	57.0	54.6	53.4	52.6	51.6	51.1
2012/09/20	07:10:00	52.2	55.7	53.8	52.5	51.8	51.1	50.7
2012/09/20	07:20:00	50.8	52.7	51.8	51.1	50.7	50.1	49.7
2012/09/20	07:30:00	52.0	57.6	53.0	51.8	51.2	50.7	50.4
2012/09/20	07:40:00	51.6	53.2	52.7	52.0	51.4	50.9	50.5
2012/09/20	07:50:00	52.6	56.0	54.0	52.8	52.2	51.6	51.0
2012/09/20	08:00:00	52.5	54.3	53.6	52.9	52.2	51.8	51.5
2012/09/20	08:10:00	52.6	54.6	53.9	53.1	52.4	51.8	51.2
2012/09/20	08:20:00	51.9	56.0	53.4	52.2	51.4	50.8	50.5
2012/09/20	08:30:00	51.4	55.5	53.0	51.7	50.9	50.3	49.9
2012/09/20	08:40:00	51.0	53.4	52.3	51.5	50.8	50.1	49.6
2012/09/20	08:50:00	52.3	58.6	53.7	52.4	51.3	50.6	50.2
2012/09/20	09:00:00	50.7	53.5	52.4	51.2	50.2	49.5	49.1
2012/09/20	09:10:00	51.0	55.8	52.6	51.3	50.4	49.7	49.2

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Date	Time	L _{eq}	L _{1.67}	L _{8.33}	L ₂₅	L ₅₀	L ₇₅	L ₉₀
2012/09/20	09:20:00	51.6	54.9	53.3	52.0	51.2	50.6	50.1
2012/09/20	09:30:00	51.6	56.5	53.7	51.7	50.9	50.3	49.7
2012/09/20	09:40:00	52.6	59.8	54.4	52.3	51.3	50.8	50.4
2012/09/20	09:50:00	51.2	53.8	52.1	51.5	51.0	50.6	50.2
2012/09/20	10:00:00	51.6	54.1	52.6	51.9	51.3	50.9	50.5
2012/09/20	10:10:00	51.6	54.6	52.6	51.9	51.4	50.9	50.5
2012/09/20	10:20:00	51.7	53.5	52.6	52.0	51.5	51.2	50.8
2012/09/20	10:30:00	52.2	54.2	53.1	52.5	52.1	51.6	51.2
2012/09/20	10:40:00	53.2	55.6	54.2	53.6	53.0	52.5	52.2
2012/09/20	10:50:00	54.3	56.4	55.4	54.6	54.1	53.7	53.4
2012/09/20	11:00:00	54.8	58.5	56.5	54.9	54.3	53.8	53.4
2012/09/20	11:10:00	54.5	56.5	55.3	54.8	54.3	54.0	53.7
2012/09/20	11:20:00	55.1	56.7	56.1	55.4	54.9	54.5	54.2
2012/09/20	11:30:00	55.7	60.7	56.4	55.6	55.1	54.7	54.2
2012/09/20	11:40:00	55.5	57.5	56.5	55.8	55.3	54.9	54.5
2012/09/20	11:50:00	56.1	59.0	57.4	56.6	55.9	55.1	54.7
2012/09/20	12:00:00	56.1	64.4	56.7	55.6	54.9	54.2	53.9
2012/09/20	12:10:00	56.4	60.3	57.6	56.6	56.0	55.5	55.1
2012/09/20	12:20:00	58.9	66.5	60.6	58.5	57.5	56.7	55.9
2012/09/20	12:30:00	57.2	61.1	58.6	57.6	56.8	56.1	55.6
2012/09/20	12:40:00	55.9	60.5	57.5	56.2	55.5	54.8	54.3
2012/09/20	12:50:00	55.2	59.4	56.3	55.5	54.8	54.4	54.0
2012/09/20	13:00:00	55.4	59.8	57.4	55.6	54.8	54.3	54.0
2012/09/20	13:10:00	55.7	61.2	57.2	55.8	55.1	54.6	54.1
2012/09/20	13:20:00	55.4	60.2	56.7	55.5	54.9	54.4	54.0
2012/09/20	13:30:00	55.9	61.3	56.4	55.6	55.1	54.6	54.2
2012/09/20	13:40:00	55.8	59.3	57.1	56.1	55.1	54.4	54.0
2012/09/20	13:50:00	55.7	57.7	56.7	56.1	55.5	55.1	54.6
2012/09/20	14:00:00	56.1	59.8	57.8	56.3	55.5	55.0	54.6
2012/09/20	14:10:00	54.5	57.5	55.3	54.6	54.1	53.8	53.6
2012/09/20	14:20:00	54.6	57.1	55.8	54.7	54.3	54.1	53.8
2012/09/20	14:24:38	55.0	56.5	55.7	55.3	54.9	54.5	54.2
2012/09/20	14:30:00	56.6	64.6	59.2	55.7	55.0	54.6	54.3
2012/09/20	14:40:00	55.8	58.1	57.1	56.4	55.6	55.0	54.5
2012/09/20	14:50:00	55.5	58.1	56.9	55.9	55.2	54.6	54.1
2012/09/20	15:00:00	56.2	60.5	58.4	56.3	55.5	54.6	54.2
2012/09/20	15:10:00	55.9	61.0	57.0	56.1	55.4	54.8	54.5
2012/09/20	15:20:00	55.7	58.0	56.8	55.9	55.4	55.0	54.6
2012/09/20	15:30:00	55.6	58.8	56.4	55.8	55.3	54.9	54.6
2012/09/20	15:40:00	55.7	58.7	56.9	56.0	55.6	55.0	54.6
2012/09/20	15:50:00	55.4	57.4	56.3	55.8	55.2	54.8	54.3
2012/09/20	16:00:00	55.7	57.1	56.5	56.0	55.6	55.3	54.9
2012/09/20	16:10:00	55.6	57.1	56.5	56.0	55.5	55.1	54.7

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Date	Time	L _{eq}	L _{1.67}	L _{8.33}	L ₂₅	L ₅₀	L ₇₅	L ₉₀
2012/09/20	16:20:00	55.7	58.1	56.6	56.1	55.6	55.2	54.7
2012/09/20	16:30:00	56.9	65.1	57.7	56.3	55.5	55.0	54.7
2012/09/20	16:40:00	55.3	57.2	56.2	55.7	55.2	54.8	54.4
2012/09/20	16:50:00	56.3	63.4	57.0	56.0	55.4	54.9	54.6
2012/09/20	17:00:00	55.1	56.1	55.8	55.4	55.1	54.7	54.3
2012/09/20	17:10:00	55.2	57.6	55.9	55.5	55.1	54.7	54.4
2012/09/20	17:20:00	55.5	58.0	56.5	55.8	55.3	54.9	54.6
2012/09/20	17:30:00	55.7	57.5	56.7	56.0	55.6	55.2	54.8
2012/09/20	17:40:00	55.2	58.1	56.6	55.5	54.7	54.2	53.9
2012/09/20	17:50:00	55.1	57.4	56.5	55.5	54.9	54.2	53.8
2012/09/20	18:00:00	55.6	59.7	56.8	55.8	55.1	54.6	54.2
2012/09/20	18:10:00	55.5	57.8	56.6	56.0	55.3	54.7	54.2
2012/09/20	18:20:00	55.3	58.4	56.2	55.3	54.7	54.3	53.8
2012/09/20	18:30:00	55.6	59.2	57.3	55.6	55.1	54.6	54.2
2012/09/20	18:40:00	56.0	63.3	57.5	55.2	54.4	54.0	53.6
2012/09/20	18:50:00	55.0	60.0	57.8	54.8	53.8	53.4	53.1
2012/09/20	19:00:00	54.0	56.3	54.8	54.3	53.9	53.6	53.2
2012/09/20	19:10:00	58.2	67.9	59.7	55.4	54.7	54.0	53.6
2012/09/20	19:20:00	55.4	59.1	56.1	55.4	55.0	54.7	54.4
2012/09/20	19:30:00	55.8	60.5	56.3	55.7	55.2	54.9	54.7
2012/09/20	19:40:00	55.2	56.4	55.9	55.5	55.1	54.8	54.6
2012/09/20	19:50:00	55.6	57.4	56.4	55.8	55.4	55.1	54.9
2012/09/20	20:00:00	57.4	64.5	59.7	56.9	55.9	55.4	55.1
2012/09/20	20:10:00	55.3	56.7	56.0	55.6	55.3	54.9	54.6
2012/09/20	20:20:00	55.7	58.3	56.6	55.9	55.4	55.1	54.8
2012/09/20	20:30:00	54.9	58.2	56.1	55.2	54.6	54.2	53.9
2012/09/20	20:40:00	53.9	55.7	55.0	54.5	53.8	53.1	52.7
2012/09/20	20:50:00	54.3	60.1	56.0	53.9	53.2	52.8	52.5
2012/09/20	21:00:00	53.1	55.0	53.8	53.3	53.0	52.6	52.4
2012/09/20	21:10:00	53.1	55.3	53.9	53.3	53.0	52.7	52.5
2012/09/20	21:20:00	54.2	61.6	54.4	53.7	53.4	53.0	52.7
2012/09/20	21:30:00	53.4	54.9	54.1	53.7	53.3	53.0	52.7
2012/09/20	21:40:00	53.6	56.9	54.6	53.9	53.5	52.8	52.3
2012/09/20	21:50:00	53.1	56.6	54.3	53.3	52.7	52.2	51.9
2012/09/20	22:00:00	52.0	54.1	53.5	52.4	51.9	51.4	50.7
2012/09/20	22:10:00	53.7	59.8	55.6	53.6	52.7	51.9	51.4
2012/09/20	22:20:00	53.1	56.9	54.9	53.6	52.7	51.6	51.1
2012/09/20	22:30:00	54.1	58.4	56.1	54.5	53.5	52.7	52.2
2012/09/20	22:40:00	53.6	57.4	55.1	53.8	53.1	52.6	52.3
2012/09/20	22:50:00	53.9	55.6	55.1	54.2	53.7	53.2	52.9
2012/09/20	23:00:00	54.2	60.5	55.8	54.1	53.4	52.6	52.1
2012/09/20	23:10:00	54.0	59.2	54.9	54.1	53.4	53.1	52.6
2012/09/20	23:20:00	53.5	58.4	54.3	53.4	52.8	52.4	52.2

M6 Wetlands Back
Sound Level Time Series
Huntington Beach Energy Project

Date	Time	L _{eq}	L _{1.67}	L _{8.33}	L ₂₅	L ₅₀	L ₇₅	L ₉₀
2012/09/20	23:30:00	52.5	53.8	53.4	52.9	52.5	52.1	51.7
2012/09/20	23:40:00	52.7	54.6	53.7	53.0	52.5	52.1	51.8
2012/09/20	23:50:00	52.7	53.8	53.5	53.1	52.7	52.2	51.8
2012/09/21	00:00:00	53.1	55.1	54.1	53.5	53.0	52.4	51.9
2012/09/21	00:10:00	52.8	54.3	53.8	53.2	52.6	52.2	51.9
2012/09/21	00:20:00	52.6	54.4	53.7	53.0	52.6	52.0	51.5
2012/09/21	00:30:00	52.6	54.0	53.5	52.9	52.5	52.2	51.7
2012/09/21	00:40:00	52.8	56.8	53.8	53.0	52.5	51.9	51.5
2012/09/21	00:50:00	52.6	53.9	53.6	53.0	52.6	52.2	51.8
2012/09/21	01:00:00	52.7	53.8	53.3	53.0	52.6	52.3	52.0
2012/09/21	01:10:00	52.4	54.0	53.4	52.9	52.3	51.7	51.4
2012/09/21	01:20:00	52.8	57.9	53.4	52.6	52.2	51.8	51.6
2012/09/21	01:30:00	52.7	53.9	53.6	53.2	52.7	52.1	51.8
2012/09/21	01:40:00	52.8	54.4	53.5	53.1	52.7	52.3	51.9
2012/09/21	01:50:00	52.5	53.7	53.3	53.0	52.4	52.0	51.6
2012/09/21	02:00:00	52.6	53.6	53.3	53.0	52.6	52.2	51.7
2012/09/21	02:10:00	52.5	53.8	53.3	52.9	52.4	52.1	51.7
2012/09/21	02:20:00	52.2	53.7	53.2	52.6	52.1	51.7	51.3
2012/09/21	02:30:00	51.8	53.0	52.6	52.2	51.8	51.4	51.1
2012/09/21	02:40:00	51.4	53.2	52.1	51.6	51.3	51.1	50.8
2012/09/21	02:50:00	54.0	65.3	52.2	51.7	51.4	51.1	50.9
2012/09/21	03:00:00	51.5	52.6	52.2	51.8	51.5	51.0	50.7
2012/09/21	03:10:00	51.6	52.8	52.2	51.9	51.6	51.2	50.9
2012/09/21	03:20:00	51.0	51.9	51.5	51.2	50.9	50.7	50.5
2012/09/21	03:30:00	50.6	51.4	51.0	50.8	50.6	50.3	50.0
2012/09/21	03:40:00	51.0	51.9	51.5	51.3	51.0	50.6	50.4
2012/09/21	03:50:00	51.0	52.8	51.6	51.1	50.8	50.6	50.4
2012/09/21	04:00:00	51.6	52.6	52.3	51.9	51.5	51.2	50.9
2012/09/21	04:10:00	51.5	52.4	52.0	51.7	51.5	51.2	51.0
2012/09/21	04:20:00	51.3	52.6	51.9	51.5	51.3	51.0	50.8
2012/09/21	04:30:00	52.1	56.0	52.8	52.1	51.7	51.3	51.1
2012/09/21	04:40:00	52.1	53.7	52.5	52.2	52.0	51.8	51.6
2012/09/21	04:50:00	52.2	54.1	53.1	52.3	52.0	51.7	51.5
2012/09/21	05:00:00	52.2	53.8	53.1	52.5	52.1	51.8	51.6
2012/09/21	05:10:00	52.3	53.5	53.0	52.5	52.3	52.0	51.8
2012/09/21	05:20:00	53.6	59.6	54.5	53.5	52.8	52.3	51.8
2012/09/21	05:30:00	53.1	55.3	54.6	53.3	52.7	52.4	52.1
2012/09/21	05:40:00	52.8	56.0	54.2	53.0	52.5	52.1	51.8
2012/09/21	05:50:00	52.6	54.4	53.7	52.9	52.4	52.0	51.8
2012/09/21	06:00:00	52.0	53.7	52.9	52.3	51.8	51.5	51.3
2012/09/21	06:10:00	50.7	52.1	51.4	51.1	50.7	50.3	49.9
2012/09/21	06:20:00	50.7	53.2	52.2	51.2	50.5	49.9	49.6
2012/09/21	06:30:00	50.7	53.3	52.3	51.2	50.4	49.7	49.5

**M6 Wetlands Back
Sound Level Time Series
Huntington Beach Energy Project**

Date	Time	L_{eq}	L_{1.67}	L_{8.33}	L₂₅	L₅₀	L₇₅	L₉₀
2012/09/21	06:40:00	50.4	52.3	51.5	50.8	50.1	49.7	49.4
2012/09/21	06:50:00	50.4	52.5	51.5	50.7	50.2	49.8	49.5
2012/09/21	07:00:00	50.5	52.9	51.7	50.8	50.2	49.8	49.6
2012/09/21	07:10:00	50.9	52.9	51.9	51.2	50.6	50.3	50.1
2012/09/21	07:20:00	50.7	52.3	51.6	51.0	50.5	50.2	50.0
2012/09/21	07:30:00	53.1	62.0	56.0	51.9	50.8	50.3	50.0
2012/09/21	07:40:00	50.8	53.0	52.4	51.1	50.4	49.9	49.5
2012/09/21	07:50:00	50.5	52.6	51.5	50.8	50.3	49.7	49.5
2012/09/21	08:00:00	50.7	54.3	51.9	51.0	50.3	49.8	49.5
2012/09/21	08:10:00	51.5	56.6	53.0	51.6	50.7	50.2	49.8
2012/09/21	08:20:00	50.6	56.0	51.5	50.6	50.1	49.7	49.3
2012/09/21	08:30:00	50.5	53.1	52.1	50.9	50.1	49.8	49.4
2012/09/21	08:40:00	50.9	53.8	52.1	51.2	50.6	50.1	49.8
2012/09/21	08:50:00	52.2	59.3	52.6	51.1	50.5	49.7	49.2
2012/09/21	09:00:00	53.1	56.1	54.6	53.5	52.6	52.1	51.6
2012/09/21	09:10:00	52.9	55.1	54.2	53.4	52.7	52.0	51.6
2012/09/21	09:20:00	53.2	57.5	54.8	53.3	52.6	52.1	51.7
2012/09/21	09:30:00	54.4	61.4	57.2	53.9	53.0	52.3	51.8
2012/09/21	09:40:00	53.8	57.9	55.7	54.2	53.1	52.6	52.2
2012/09/21	09:50:00	53.3	57.3	54.7	53.4	52.7	52.3	52.0
2012/09/21	10:00:00	54.1	58.3	56.6	54.2	53.3	52.8	52.5
2012/09/21	10:10:00	54.2	61.5	54.4	53.7	53.2	52.8	52.4
2012/09/21	10:20:00	54.8	60.4	57.2	54.8	53.6	52.9	52.3
2012/09/21	10:30:00	53.2	57.2	54.9	53.3	52.6	52.1	51.7
2012/09/21	10:40:00	52.8	54.5	53.9	53.3	52.6	52.1	51.7
2012/09/21	10:50:00	53.9	60.1	55.7	53.8	52.9	52.3	51.9
2012/09/21	11:00:00	53.4	58.3	54.5	53.5	52.9	52.2	51.7
2012/09/21	11:10:00	54.7	61.4	56.4	54.6	53.3	52.7	52.4
2012/09/21	11:20:00	53.9	56.8	55.3	54.4	53.5	52.8	52.6
2012/09/21	11:30:00	54.5	60.4	55.6	54.3	53.8	53.4	53.1
2012/09/21	11:40:00	54.8	59.7	55.7	54.7	54.2	53.8	53.4
2012/09/21	11:50:00	54.2	56.7	55.2	54.5	54.0	53.5	53.2
2012/09/21	12:00:00	55.2	61.5	57.0	55.2	54.2	53.6	53.2
2012/09/21	12:10:00	53.6	56.7	54.6	53.9	53.4	53.0	52.6
2012/09/21	12:20:00	54.7	59.9	57.1	54.6	53.9	53.5	53.2
2012/09/21	12:30:00	54.4	57.5	55.6	54.8	54.0	53.5	53.1
2012/09/21	12:40:00	54.8	57.7	56.2	55.3	54.4	53.8	53.5
2012/09/21	12:50:00	54.4	56.7	55.9	54.7	54.1	53.6	53.2
2012/09/21	13:00:00	54.4	58.1	55.7	54.5	53.9	53.4	53.1
2012/09/21	13:10:00	54.9	59.4	56.5	55.1	54.3	53.7	53.3

**M7 Property Line Berm
Sound Level Time Series
Huntington Beach Energy Project**

Date	L_{eq}	L₁	L₈	L₂₅	L₅₀	L₇₅	L₉₀
9/19/2012 15:13	61.5	69.2	65.7	61.8	58.5	56.5	55.4
9/19/2012 15:23	59.7	66.9	63	60	57.9	56.5	55.5
9/19/2012 15:33	62	68.7	65.8	62.9	60.5	58.2	56.5
9/19/2012 15:43	61.6	68.3	65.6	62.5	59.8	57.9	56.5
9/19/2012 15:53	59.4	65.9	62.9	59.9	58	56.5	55.5
9/19/2012 16:03	59	66.3	61.9	59.4	57.6	56.3	55.4
9/19/2012 16:13	59.7	66	62.7	60.2	58.6	57.2	56.1
9/19/2012 16:23	61.7	67.9	65.2	62.7	60.4	58.6	57.3
9/19/2012 16:33	60.7	67.9	64	61.1	58.9	57.4	56.3
9/19/2012 16:43	58.4	64.7	61.5	58.6	57.2	56.3	55.4
9/19/2012 16:53	57.8	63.7	60.3	58.2	56.9	55.8	55.1
9/19/2012 17:03	58	63.8	60.1	58.5	57.4	56.4	55.6
9/19/2012 17:13	58.4	64.1	60.6	58.7	57.7	56.8	56.2
9/19/2012 17:23	57	64.1	58.5	56.8	56	55.3	54.6
9/19/2012 17:33	55.9	60.3	57.3	56.3	55.6	55	54.4
9/19/2012 17:43	62.9	67.9	64.3	63.8	63.3	59.4	55.3
9/19/2012 17:53	64	65.9	64.8	64.3	63.8	63.4	63.2
9/19/2012 18:03	64	66.6	65	64.5	63.9	63.4	63.1
9/19/2012 18:13	56.9	61	58	57	56.5	55.9	55.3
9/19/2012 18:23	57.2	60.6	58.8	57.7	57	56.4	56
9/19/2012 18:33	55.9	59	57.2	56.5	55.8	55.2	54.7
9/19/2012 18:43	56.5	64.2	57.6	56.3	55.6	55.1	54.4
9/19/2012 18:53	55.9	59.4	57.4	56.4	55.7	55.2	54.7
9/19/2012 19:03	55.4	57	56.5	55.8	55.4	55	54.4
9/19/2012 19:13	57.5	63.8	60.3	57.6	56.3	55.5	55.1
9/19/2012 19:23	56.6	63.7	57	55.8	55.5	55.1	54.5
9/19/2012 19:33	61.4	65.8	63.9	63.3	61.3	56.7	55.4
9/19/2012 19:43	54.8	56.5	55.8	55.1	54.6	54.3	54
9/19/2012 19:53	55.5	59	57.1	55.8	55	54.5	54.2
9/19/2012 20:03	54.5	56.9	55.7	54.9	54.5	54	53.4
9/19/2012 20:13	54.5	56.3	55.4	54.8	54.5	54.1	53.6
9/19/2012 20:23	54.7	56.2	55.7	55	54.6	54.3	54
9/19/2012 20:33	54.5	57.6	55.6	54.8	54.4	54	53.4
9/19/2012 20:43	54.2	55.9	54.9	54.7	54.3	53.7	53.4
9/19/2012 20:53	54.8	56.5	55.7	55	54.6	54.3	54.1
9/19/2012 21:03	55.6	58.6	56.6	55.9	55.5	55.1	54.6
9/19/2012 21:13	55.6	57	56.5	55.9	55.6	55.2	55.1
9/19/2012 21:23	55.9	57.6	56.9	56.4	55.9	55.4	55.2
9/19/2012 21:33	56.2	57.4	56.9	56.7	56.3	56	55.4
9/19/2012 21:43	57.2	64.1	57.9	57.3	56.8	56.4	56.1
9/19/2012 21:53	57.1	58.8	57.9	57.6	57.1	56.6	56.2
9/19/2012 22:03	57.3	59.3	58.1	57.7	57.3	56.7	56.3
9/19/2012 22:13	57.6	60.8	58.8	57.9	57.4	57	56.4

**M7 Property Line Berm
Sound Level Time Series
Huntington Beach Energy Project**

Date	L_{eq}	L₁	L₈	L₂₅	L₅₀	L₇₅	L₉₀
9/19/2012 22:23	57.6	62	58.6	57.8	57.4	56.9	56.4
9/19/2012 22:33	57.2	58.9	58	57.7	57.2	56.6	56.2
9/19/2012 22:43	56.7	58	57.7	57	56.6	56.3	56.1
9/19/2012 22:53	56.5	58.1	57.3	56.8	56.5	56.1	55.6
9/19/2012 23:03	55.5	58.6	56.7	55.8	55.2	54.6	54.2
9/19/2012 23:13	55.4	56.5	55.9	55.7	55.4	55	54.5
9/19/2012 23:23	55.8	59.4	56.7	56	55.6	55.2	54.9
9/19/2012 23:33	55.9	58.4	56.9	56.4	55.8	55.3	55
9/19/2012 23:43	56.6	59.6	57.4	56.8	56.4	56.1	55.6
9/19/2012 23:53	58.3	67.3	59.6	57.5	56.8	56.3	56.1
9/20/2012 0:03	59.2	70.2	60.7	57.9	56.9	56.4	56.2
9/20/2012 0:13	56.9	58	57.8	57.4	56.9	56.4	56.2
9/20/2012 0:23	56.6	57.4	57.2	56.8	56.5	56.2	56
9/20/2012 0:33	56.1	57	56.9	56.5	56	55.5	55.3
9/20/2012 0:43	57.2	58	57.9	57.6	57.3	56.8	56.3
9/20/2012 0:53	57.4	58	57.9	57.7	57.4	57.2	57
9/20/2012 1:03	57	57.4	57.4	57.4	56.9	56.5	56.3
9/20/2012 1:13	56.6	57.3	56.9	56.8	56.5	56.3	56.1
9/20/2012 1:23	57	60.2	57.9	57.4	56.8	56.4	56.2
9/20/2012 1:33	56.8	57.7	57.7	57.2	56.7	56.4	56.1
9/20/2012 1:43	56.8	58.6	57.6	56.9	56.6	56.3	56.1
9/20/2012 1:53	56.9	57.5	57.5	57.3	56.8	56.4	56.2
9/20/2012 2:03	57	57.7	57.7	57.5	57	56.5	56.3
9/20/2012 2:13	56.8	58	57.8	57.3	56.8	56.4	56.2
9/20/2012 2:23	56.8	58	57.6	56.9	56.6	56.3	56.1
9/20/2012 2:33	56.9	58.8	57.8	57.4	56.8	56.4	56.2
9/20/2012 2:43	56.8	58.3	57.8	57.3	56.7	56.4	56.1
9/20/2012 2:53	57.4	59.8	58	57.7	57.4	57.1	56.5
9/20/2012 3:03	56.7	57.4	57.3	56.8	56.6	56.3	56.1
9/20/2012 3:13	56.8	57.4	57.4	56.9	56.6	56.3	56.3
9/20/2012 3:23	57.5	60.2	57.9	57.8	57.5	57.2	57.1
9/20/2012 3:33	57	60.3	57.9	57.3	56.7	56.4	56.3
9/20/2012 3:43	56.6	61.9	57.6	56.8	56.4	55.9	55.6
9/20/2012 3:53	55.8	56.9	56.5	55.9	55.6	55.3	55.2
9/20/2012 4:03	56.1	57	56.9	56.7	56.3	56	55.4
9/20/2012 4:13	56.2	57.6	56.9	56.7	56.4	56.1	55.6
9/20/2012 4:23	56.5	57.4	57.4	56.9	56.6	56.2	56.1
9/20/2012 4:33	56.2	57.8	56.9	56.7	56.3	55.8	55.4
9/20/2012 4:43	56.3	57.2	56.9	56.7	56.4	56.2	56
9/20/2012 4:53	55.6	56.5	56.3	55.8	55.6	55.3	55.1
9/20/2012 5:03	56.2	59	57	56.7	56.2	55.7	55.3
9/20/2012 5:13	55.9	60.6	56.8	56	55.7	55.3	55.1
9/20/2012 5:23	55.8	57.4	56.8	56.2	55.7	55.4	55.3

**M7 Property Line Berm
Sound Level Time Series
Huntington Beach Energy Project**

Date	L_{eq}	L₁	L₈	L₂₅	L₅₀	L₇₅	L₉₀	
9/20/2012 5:33		56	57.9	56.9	56.5	55.9	55.5	55.3
9/20/2012 5:43		55.8	57.9	56.8	56.1	55.7	55.3	55.1
9/20/2012 5:53		56	59.1	57.1	56.4	55.8	55.4	55.1
9/20/2012 6:03		56.1	59.9	57	56.5	55.9	55.4	55.3
9/20/2012 6:13		55.6	57.4	56.5	55.9	55.6	55.3	55.1
9/20/2012 6:23		55.1	56.9	55.9	55.6	55.1	54.6	54.2
9/20/2012 6:33		55.6	57	56.6	55.9	55.6	55.2	55
9/20/2012 6:43		55.7	58.8	56.7	55.9	55.6	55.3	55.1
9/20/2012 6:53		58.2	68.2	59.9	56.9	56	55.5	55.2
9/20/2012 7:03		56.3	61.1	58.1	56.7	55.8	55.3	55
9/20/2012 7:13		55.8	60.8	57.8	55.9	55.3	54.7	54.3
9/20/2012 7:23		55.2	61.3	55.9	55.4	54.8	54.4	54.2
9/20/2012 7:33		56.8	65.7	58.6	55.8	55.5	55.1	54.5
9/20/2012 7:43		55.1	58.6	55.9	55.5	55	54.5	54.2
9/20/2012 7:53		55.3	56.9	56	55.7	55.3	54.9	54.4
9/20/2012 8:03		55.7	60	56.5	55.8	55.4	54.9	54.4
9/20/2012 8:13		58.5	69.9	60	56.6	55.7	55.2	54.8
9/20/2012 8:23		56.5	62.5	58.5	56.5	55.7	55.2	54.7
9/20/2012 8:33		55.4	59.3	56.7	55.7	55.1	54.5	54.2
9/20/2012 8:43		55.4	60.4	56.5	55.6	54.9	54.4	54.1
9/20/2012 8:53		55.6	58.7	57.3	55.9	55.4	54.7	54.3
9/20/2012 9:03		55.7	59.3	56.8	55.9	55.5	55	54.5
9/20/2012 9:13		56.2	62	57.7	56.2	55.6	55.1	54.5
9/20/2012 9:23		55.9	59.3	57	56.2	55.7	55.2	55
9/20/2012 9:33		57	66.6	57.9	56.9	56.2	55.5	55.1
9/20/2012 9:43		57.4	62.3	59.5	57.7	56.8	56.3	55.9
9/20/2012 9:53		57.3	61.8	59	57.7	56.8	56.2	55.7
9/20/2012 10:03		58.6	63.4	60.6	58.9	57.8	56.8	56.1
9/20/2012 10:13		58.6	68.8	60.5	57.9	56.9	56.3	55.8
9/20/2012 10:23		56.8	59.9	57.8	57.1	56.6	56.2	55.6
9/20/2012 10:33		56.6	58.7	57.7	56.9	56.5	56	55.4
9/20/2012 10:43		57.1	59.6	58.1	57.6	56.9	56.4	56.1
9/20/2012 10:53		56.8	59.5	57.9	57.2	56.6	56.2	55.6
9/20/2012 11:03		59.9	68.8	62.5	59.3	57.8	56.7	56.2
9/20/2012 11:13		59.9	66.1	64.3	59.2	58.3	57.4	56.7
9/20/2012 11:23		58.7	62.6	60.1	59.4	58.5	57.6	56.7
9/20/2012 11:33		58.5	64	60.4	58.7	57.8	57.1	56.4
9/20/2012 11:43		60	66.5	62.8	59.9	58.9	58.2	57.6
9/20/2012 11:53		60.6	68.4	62.8	60.5	59.4	58.5	57.7
9/20/2012 12:03		59.3	68.3	60.5	58.9	58.1	57.4	56.7
9/20/2012 12:13		60.4	65.3	62.1	60.8	59.9	59.2	58.5
9/20/2012 12:23		61.2	66.5	62.9	61.6	60.6	59.7	59.1
9/20/2012 12:33		61.6	67.1	63.9	62	60.8	59.7	59

**M7 Property Line Berm
Sound Level Time Series
Huntington Beach Energy Project**

Date	L_{eq}	L₁	L₈	L₂₅	L₅₀	L₇₅	L₉₀
9/20/2012 12:43	58.4	65	60.7	58.4	57.2	56.3	55.6
9/20/2012 12:53	57.2	61.8	58.9	57.5	56.6	56	55.4
9/20/2012 13:03	57.4	62.6	59.5	57.7	56.7	55.8	55.2
9/20/2012 13:13	57.9	63.7	59.8	58.1	57	56.3	55.6
9/20/2012 13:23	57.4	63.4	59.7	57.8	56.5	55.5	54.9
9/20/2012 13:33	58.5	64.3	60.6	59	57.8	56.6	55.8
9/20/2012 13:43	59.1	66.9	61.7	59.3	57.9	56.8	55.8
9/20/2012 13:53	59.2	65.2	62	59.5	58.1	57	56.2
9/20/2012 14:03	58.6	62.9	60.8	59.3	58	56.8	56.2
9/20/2012 14:13	57.5	62.6	59.5	57.9	56.9	56.1	55.3
9/20/2012 14:23	58	62.5	59.9	58.6	57.7	57	56.3
9/20/2012 14:33	59.2	64.5	61.8	60	58.5	57.2	56.4
9/20/2012 14:43	58.4	64	60.2	58.7	57.7	57.1	56.4
9/20/2012 14:53	59	65	61.3	59.3	58.1	57.2	56.5
9/20/2012 15:03	57.4	60.7	58.7	57.8	57.1	56.5	56.1
9/20/2012 15:13	59.2	64.7	61.4	59.6	58.3	57.3	56.6
9/20/2012 15:23	58.5	62.8	60.5	59.1	57.9	57	56.3
9/20/2012 15:33	60.3	66.2	63.2	60.8	59.2	58.1	57.3
9/20/2012 15:43	59	64.8	61.8	59.2	57.9	57.1	56.4
9/20/2012 15:53	60.9	66.4	63.7	61.6	59.9	58.6	57.7
9/20/2012 16:03	60.3	65.7	62.8	60.9	59.5	58.6	58
9/20/2012 16:13	60.2	65.1	62.7	60.8	59.5	58.3	57.5
9/20/2012 16:23	59.9	65.5	62.4	60.3	59.2	58.3	57.4
9/20/2012 16:33	59.2	67.7	61.7	59.1	57.7	56.7	56.1
9/20/2012 16:43	58.3	62.9	60.4	58.8	57.8	57	56.2
9/20/2012 16:53	58.1	66.1	60	58.2	57.2	56.4	55.7
9/20/2012 17:03	57.8	61.6	59.5	58.3	57.5	56.7	56.3
9/20/2012 17:13	57.1	60.3	58.5	57.6	56.9	56.3	56
9/20/2012 17:23	57.5	60.9	58.9	57.9	57.4	56.8	56.3
9/20/2012 17:33	57.9	60.9	59.4	58.4	57.6	57.1	56.5
9/20/2012 17:43	57.4	59.9	58.8	57.8	57.2	56.6	56.1
9/20/2012 17:53	57.9	61	59.4	58.3	57.5	56.9	56.3
9/20/2012 18:03	59.1	65.5	60.7	59.2	58.4	57.7	57.2
9/20/2012 18:13	58.4	61.8	60.1	58.9	58	57.3	56.9
9/20/2012 18:23	57.6	60.9	58.8	57.9	57.4	56.8	56.3
9/20/2012 18:33	58.1	64.5	59.7	58.3	57.6	57	56.4
9/20/2012 18:43	57.3	61.4	58.9	57.7	56.9	56.3	56
9/20/2012 18:53	56.8	59.5	57.9	57.2	56.6	56.2	55.7
9/20/2012 19:03	56.9	64.9	57.5	56.7	56.2	55.6	55.2
9/20/2012 19:13	57.3	63.6	59.4	57.2	56.5	56	55.3
9/20/2012 19:23	56.6	60.7	57.9	56.8	56.4	55.9	55.4
9/20/2012 19:33	56.2	57.4	56.9	56.6	56.2	55.7	55.4
9/20/2012 19:43	56.4	57.9	57	56.7	56.4	56	55.4

**M7 Property Line Berm
Sound Level Time Series
Huntington Beach Energy Project**

Date	L _{eq}	L ₁	L ₈	L ₂₅	L ₅₀	L ₇₅	L ₉₀
9/20/2012 19:53	56.6	58.7	57.7	56.9	56.4	56	55.4
9/20/2012 20:03	57.3	62.1	59.6	57.4	56.6	56.1	55.6
9/20/2012 20:13	56.2	57.8	56.9	56.6	56.2	55.6	55.2
9/20/2012 20:23	55.8	57.5	56.8	56.2	55.7	55.3	55
9/20/2012 20:33	56	58.5	57	56.4	55.8	55.4	55.1
9/20/2012 20:43	55.8	57.4	56.8	56.1	55.7	55.3	55.1
9/20/2012 20:53	57.6	67	58	56.9	56.4	56	55.4
9/20/2012 21:03	56.5	58	57.5	56.9	56.5	56.1	55.7
9/20/2012 21:13	56.8	61.9	57.7	56.9	56.6	56.3	56.1
9/20/2012 21:23	56.7	58	57.8	57.3	56.7	56.2	55.7
9/20/2012 21:33	57.2	58.9	58	57.7	57.3	56.8	56.3
9/20/2012 21:43	57.2	59	57.9	57.7	57.3	56.8	56.3
9/20/2012 21:53	57.7	58.9	58.7	58	57.6	57.3	57.1
9/20/2012 22:03	57.9	59.9	58.9	58.5	57.9	57.4	57.1
9/20/2012 22:13	58.7	61.5	59.9	59.1	58.6	58.3	58
9/20/2012 22:23	59.1	61.9	60.5	59.6	58.9	58.4	58.1
9/20/2012 22:33	59.2	62	60.2	59.6	59	58.5	58.2
9/20/2012 22:43	59.3	60.9	60	59.7	59.2	58.7	58.3
9/20/2012 22:53	59.1	60.8	59.9	59.5	59	58.5	58.2
9/20/2012 23:03	59.9	62.9	61	60.2	59.6	59.2	59
9/20/2012 23:13	59.7	61.7	60.8	60.2	59.6	59.1	58.6
9/20/2012 23:23	59.3	62.3	60.2	59.6	59	58.5	58.2
9/20/2012 23:33	59	60	59.8	59.4	58.9	58.4	58.2
9/20/2012 23:43	59.7	66.6	60	59.3	58.7	58.3	58.1
9/20/2012 23:53	58.5	59.5	59	58.8	58.5	58.2	58
9/21/2012 0:03	58.7	61.5	59.8	58.9	58.5	58.2	58
9/21/2012 0:13	63.6	75	67.3	60.1	58.8	58.4	58.1
9/21/2012 0:23	58.5	59.9	59.3	58.8	58.5	58.2	58
9/21/2012 0:33	58.6	60.7	59.5	58.8	58.5	58.1	57.7
9/21/2012 0:43	58.6	60.6	59.4	58.8	58.5	58.1	57.7
9/21/2012 0:53	58.6	60.2	59.5	58.9	58.5	58.1	57.6
9/21/2012 1:03	58.5	59.8	59	58.8	58.4	58.1	57.7
9/21/2012 1:13	58.4	59.7	58.9	58.7	58.4	58.1	57.8
9/21/2012 1:23	58.5	61.2	59.3	58.8	58.5	58.1	57.8
9/21/2012 1:33	58.6	60	59.5	58.9	58.5	58.2	58
9/21/2012 1:43	59	60.9	59.9	59.5	58.9	58.4	58.2
9/21/2012 1:53	59	60.6	59.9	59.5	58.9	58.4	58.1
9/21/2012 2:03	58.5	59.7	59.2	58.8	58.5	58.1	57.7
9/21/2012 2:13	58.6	59.7	59	58.8	58.5	58.2	58.1
9/21/2012 2:23	58.5	59.9	59.2	58.8	58.5	58.2	58
9/21/2012 2:33	58.5	59.9	59.3	58.8	58.5	58.1	57.7
9/21/2012 2:43	58.4	59.9	59	58.7	58.4	58	57.4
9/21/2012 2:53	60.6	70.4	60.8	58.9	58.5	58.1	57.7

**M7 Property Line Berm
Sound Level Time Series
Huntington Beach Energy Project**

Date	L_{eq}	L₁	L₈	L₂₅	L₅₀	L₇₅	L₉₀
9/21/2012 3:03	58.2	59.5	58.9	58.6	58.3	57.8	57.3
9/21/2012 3:13	57.9	59	58.8	58.4	57.9	57.4	57.2
9/21/2012 3:23	59.8	70.1	60.9	58.7	58	57.5	57.2
9/21/2012 3:33	58.3	63.6	59	58.4	57.8	57.4	57.1
9/21/2012 3:43	61.1	73.4	61.6	58.8	58	57.5	57.2
9/21/2012 3:53	57.9	59	58.8	58.4	57.9	57.4	57.1
9/21/2012 4:03	58	58.9	58.8	58.5	58	57.5	57.2
9/21/2012 4:13	58	59	58.8	58.5	57.9	57.5	57.2
9/21/2012 4:23	58	59.4	58.9	58.5	58	57.5	57.2
9/21/2012 4:33	58	59	58.8	58.5	58	57.5	57.2
9/21/2012 4:43	58.3	59.3	58.9	58.7	58.3	57.8	57.3
9/21/2012 4:53	57.9	59.5	58.7	58.1	57.7	57.3	57.1
9/21/2012 5:03	58.2	60.3	59	58.7	58.2	57.7	57.3
9/21/2012 5:13	58.4	59.9	59	58.8	58.5	58.2	58
9/21/2012 5:23	58.2	59	58.9	58.6	58.3	57.9	57.4
9/21/2012 5:33	57.9	59.3	58.7	58	57.6	57.3	57.3
9/21/2012 5:43	57.6	58.9	58.4	57.9	57.6	57.3	57.1
9/21/2012 5:53	57.5	59.3	58	57.8	57.5	57.2	57
9/21/2012 6:03	56.2	59.7	57	56.6	56	55.5	55.4
9/21/2012 6:13	55.6	58	56	55.8	55.5	55.3	55.1
9/21/2012 6:23	54.4	55.5	55	54.8	54.5	54.2	54
9/21/2012 6:33	54.9	58.1	56.6	55.1	54.6	54.2	54
9/21/2012 6:43	54.5	56	55.4	54.8	54.5	54.2	53.8
9/21/2012 6:53	54.8	58.2	55.8	54.9	54.6	54.3	54
9/21/2012 7:03	57.4	68.5	58.2	56.3	55.6	55.1	54.6
9/21/2012 7:13	55.9	61.3	57.3	55.9	55.4	55	54.4
9/21/2012 7:23	56.2	64.1	57.9	55.9	55.5	55.1	54.7
9/21/2012 7:33	56.3	63.4	58.2	56	55.5	54.9	54.4
9/21/2012 7:43	55.5	57.2	56.6	55.9	55.4	55	54.4
9/21/2012 7:53	56.6	60.9	58.8	56.8	55.9	55.4	55
9/21/2012 8:03	56.7	60.8	58.6	57	56.2	55.5	55.1
9/21/2012 8:13	56.5	60.6	58	56.8	56	55.5	55.1
9/21/2012 8:23	56.4	59.8	58	57	56.1	55.4	54.9
9/21/2012 8:33	55.9	58.6	56.9	56.5	55.9	55.4	55
9/21/2012 8:43	55.7	59	56.9	56	55.5	55.1	54.5
9/21/2012 8:53	55.6	59	56.7	55.9	55.5	55.1	54.5
9/21/2012 9:03	56.1	59.1	57.3	56.5	55.8	55.4	55.1
9/21/2012 9:13	56.6	60.4	57.8	56.9	56.4	55.8	55.3
9/21/2012 9:23	56.2	59.7	57.4	56.6	56	55.5	55.1
9/21/2012 9:33	57.6	62.9	59.9	57.8	56.9	56.2	55.6
9/21/2012 9:43	57.4	61.2	58.8	57.8	57.3	56.6	56.2
9/21/2012 9:53	57.3	61.4	58.8	57.7	57	56.3	55.7
9/21/2012 10:03	58.1	63	60	58.6	57.5	56.8	56.2

**M7 Property Line Berm
Sound Level Time Series
Huntington Beach Energy Project**

Date	L_{eq}	L₁	L₈	L₂₅	L₅₀	L₇₅	L₉₀
9/21/2012 10:13	58	62.8	59.5	58.2	57.4	56.7	56.2
9/21/2012 10:23	57.9	61.4	59.8	58.5	57.5	56.6	56
9/21/2012 10:33	58.3	63.5	60.5	58.7	57.5	56.7	56.2
9/21/2012 10:43	58.8	65.4	60.5	58.9	58	57.3	56.8
9/21/2012 10:53	57.7	62.9	59.4	58	57.3	56.6	56.1
9/21/2012 11:03	57.3	62	59	57.8	56.8	56.2	55.6
9/21/2012 11:13	58.9	65.9	61.8	59.1	57.5	56.6	56.2
9/21/2012 11:23	58.6	66.4	61.9	58.1	57.1	56.4	55.9

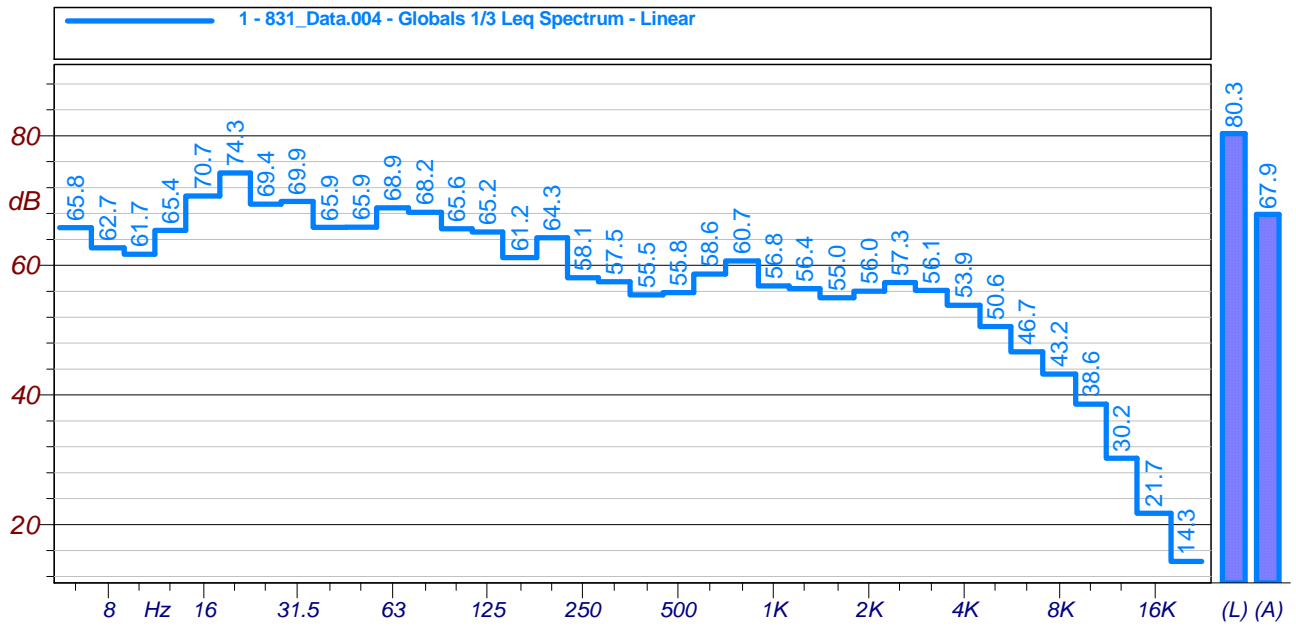
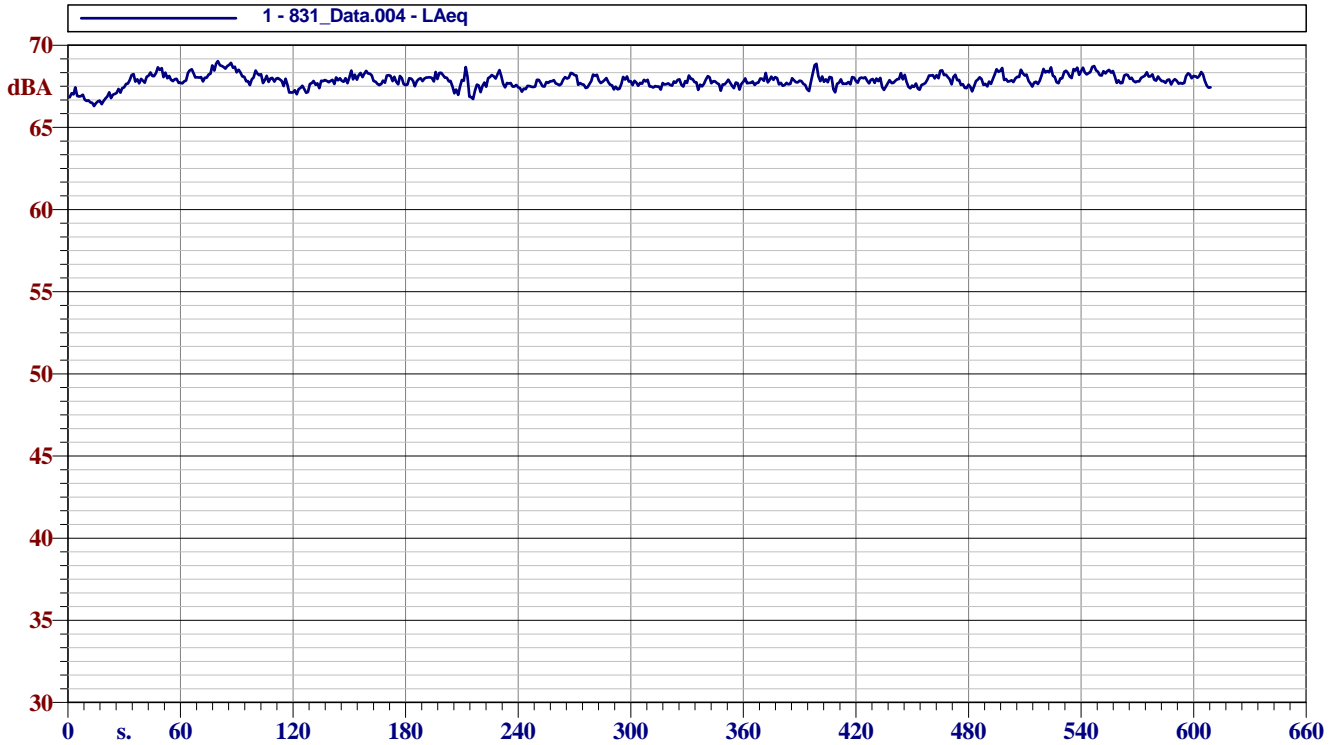
Appendix C
Detailed Short-term Measurement Location Data
(HHM1–HHM17)

AES Huntington Beach
Monitoring Location: HHM1

Date: 9/21/2012 Time: 1:14:01 AM

RunTime: 609.0 seconds

Overall Leq A: 67.8 dBA
L50.0: 67.8 dBA
L90.0: 67.4 dBA

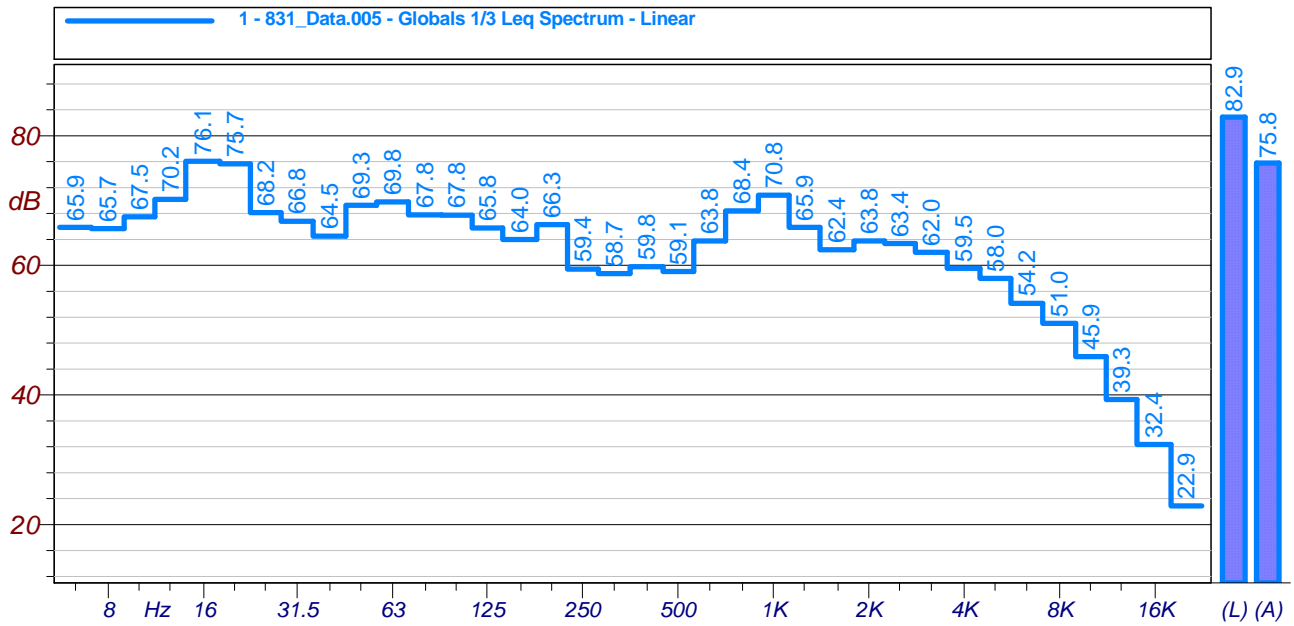
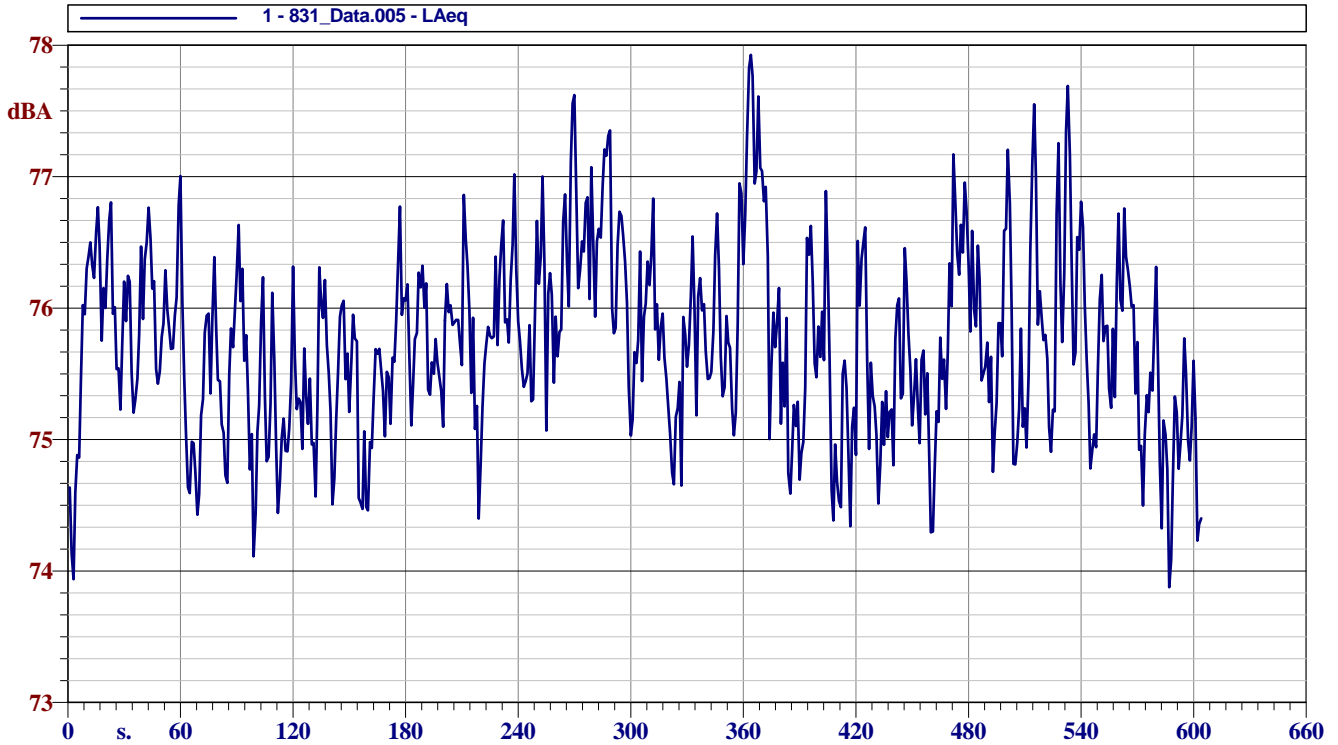


AES Huntington Beach
Monitoring Location: HHM2

Date: 9/21/2012 **Time:** 1:29:23 AM

RunTime: 604.0 seconds

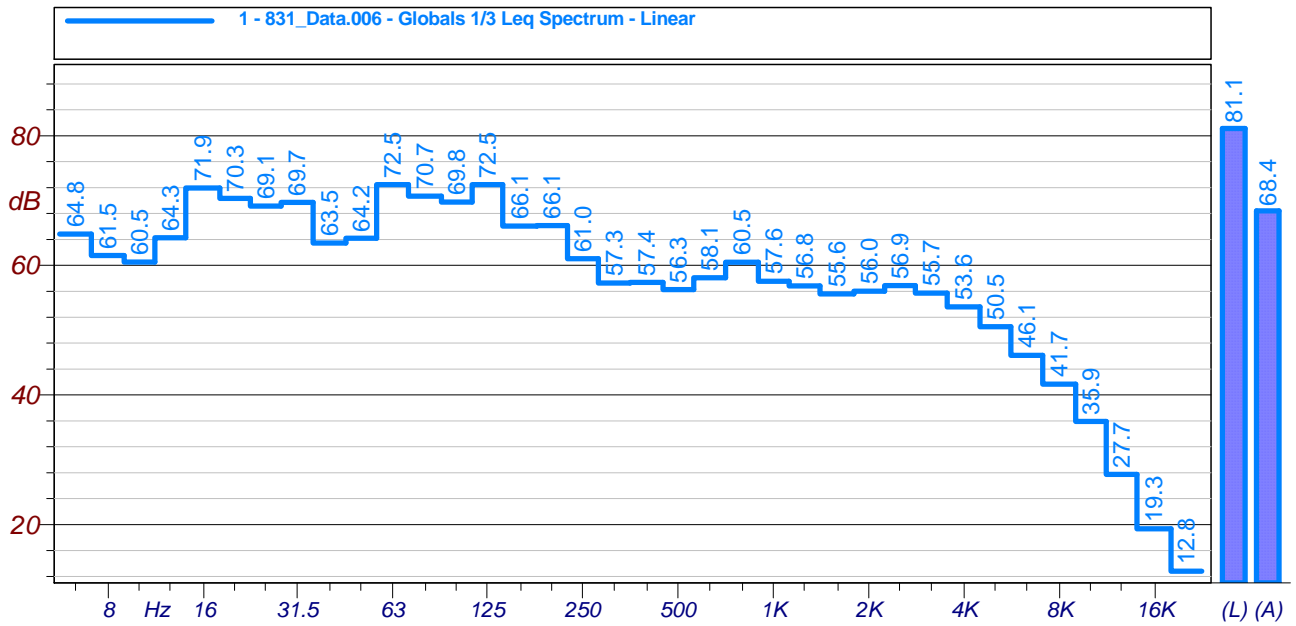
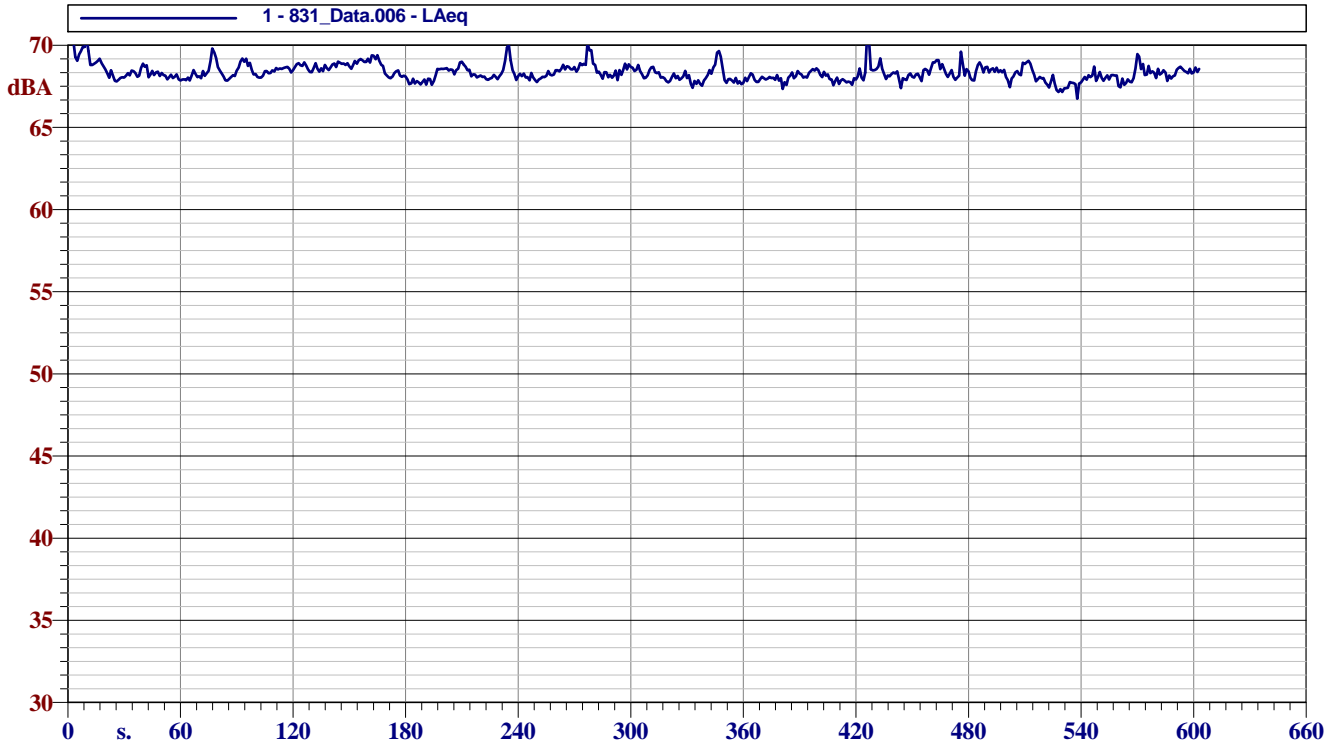
Overall Leq A: 75.8 dBA
L50.0: 75.7 dBA
L90.0: 74.9 dBA



Date: 9/21/2012 Time: 1:43:00 AM

RunTime: 603.0 seconds

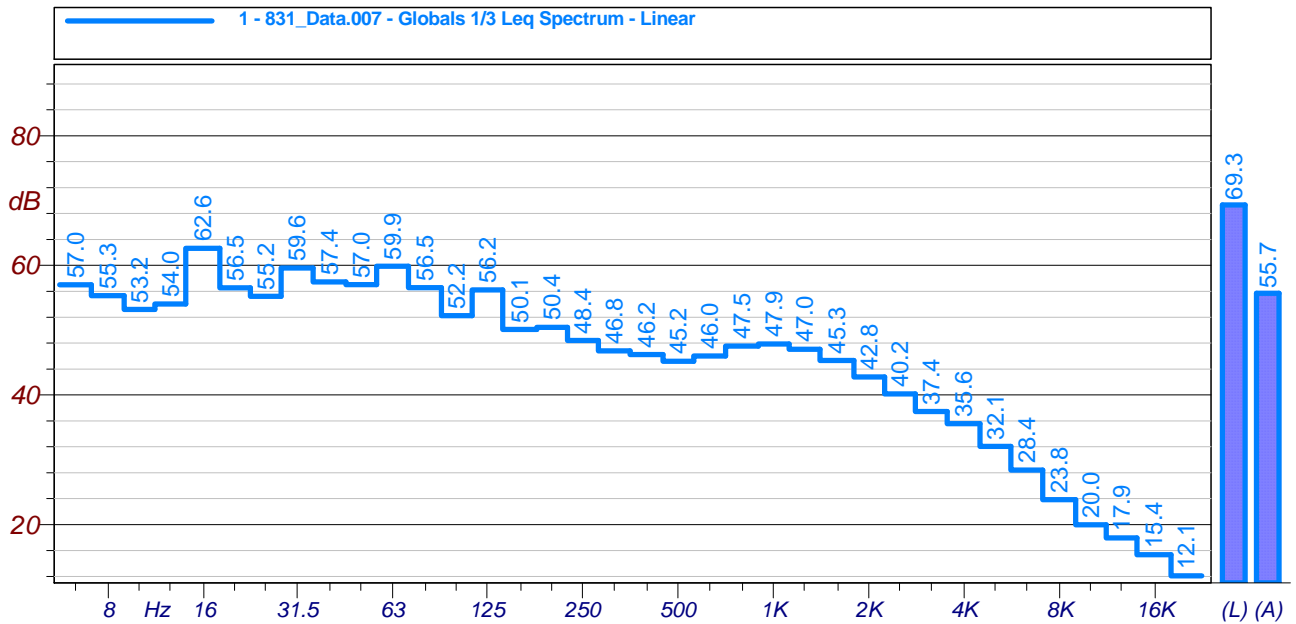
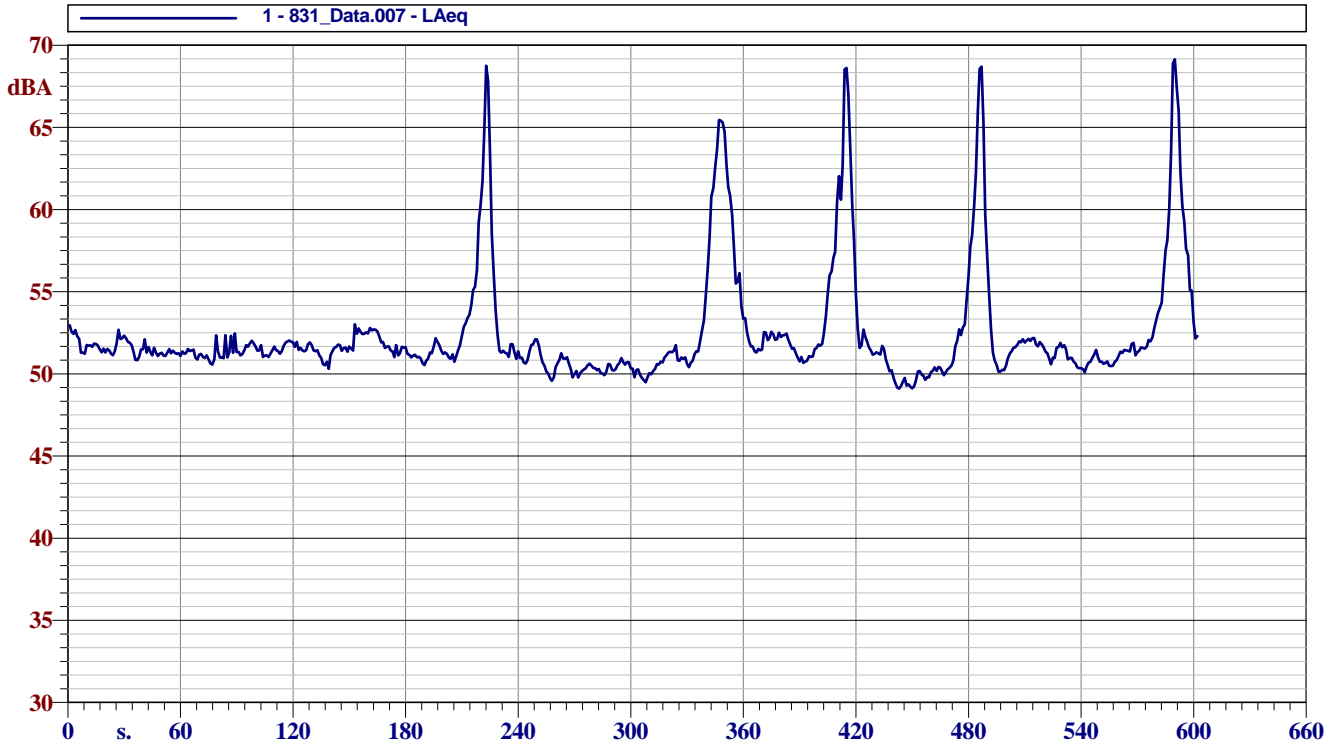
Overall Leq A: 68.4 dBA
L50.0: 68.3 dBA
L90.0: 67.8 dBA



Date: 9/21/2012 Time: 2:04:37 AM

RunTime: 602.0 seconds

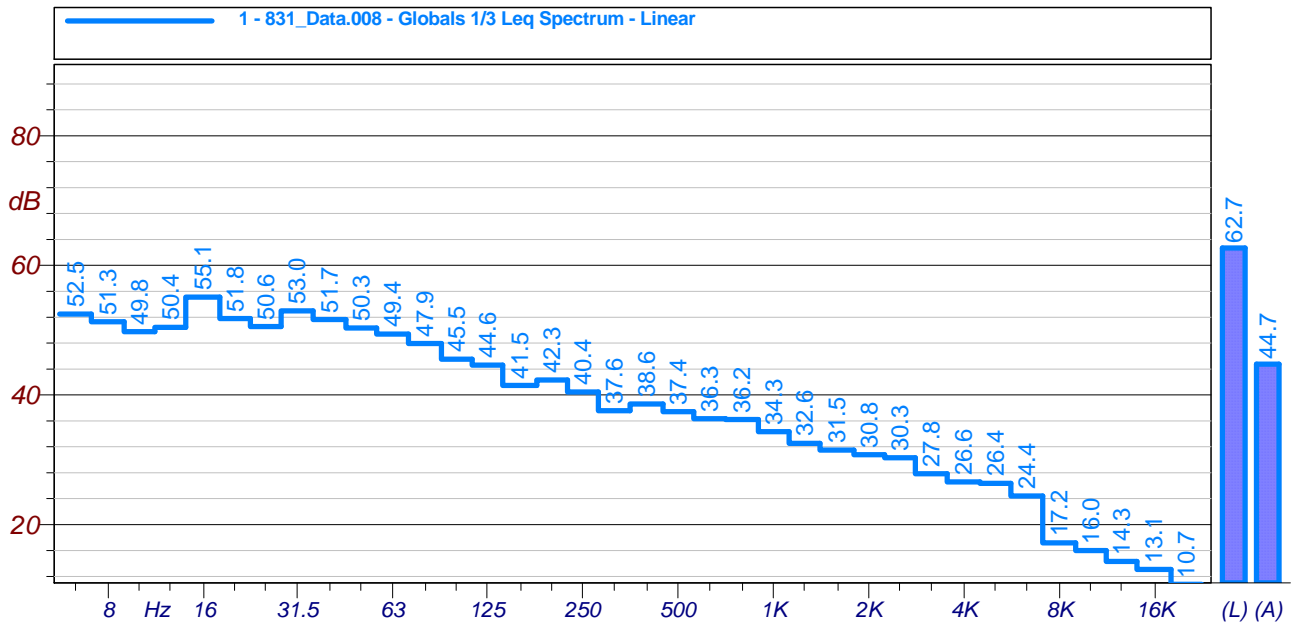
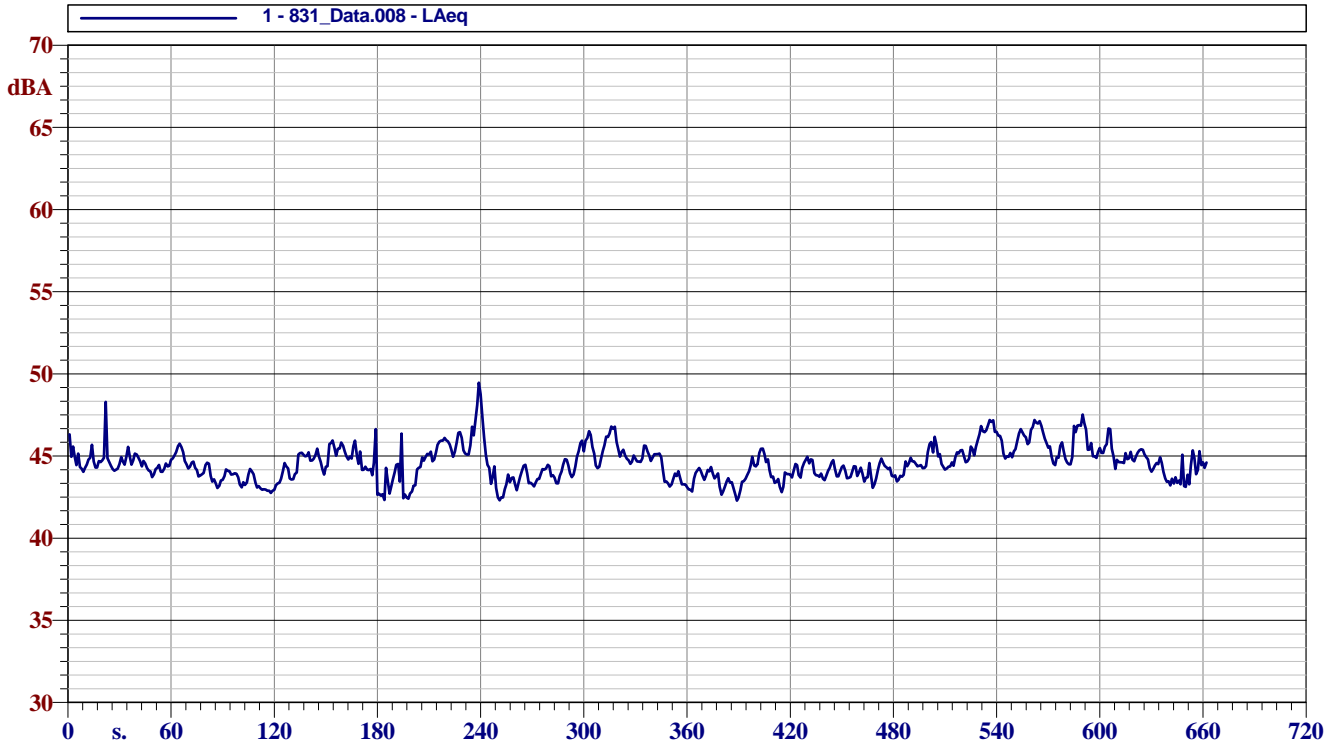
Overall Leq A: 55.6 dBA
L50.0: 51.4 dBA
L90.0: 50.3 dBA



Date: 9/21/2012 Time: 2:24:03 AM

RunTime: 662.0 seconds

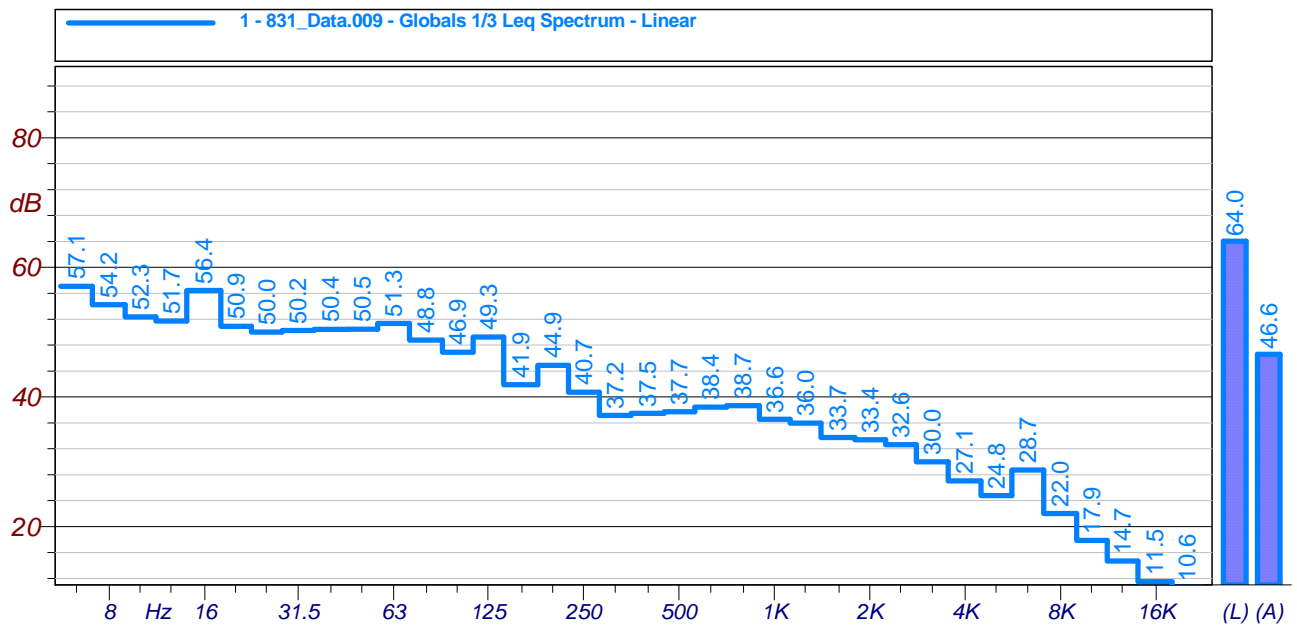
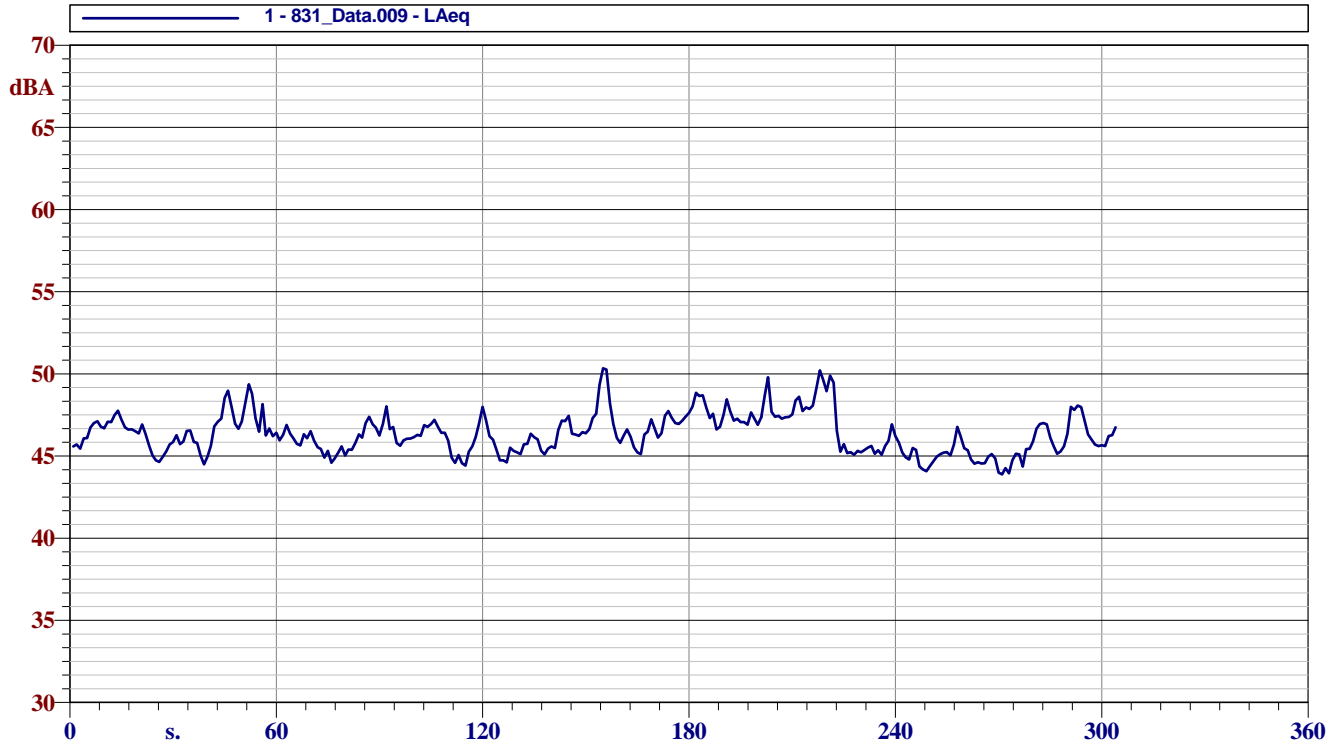
Overall Leq A: 44.7 dBA
L50.0: 44.5 dBA
L90.0: 43.3 dBA



Date: 9/21/2012 Time: 2:37:06 AM

RunTime: 304.0 seconds

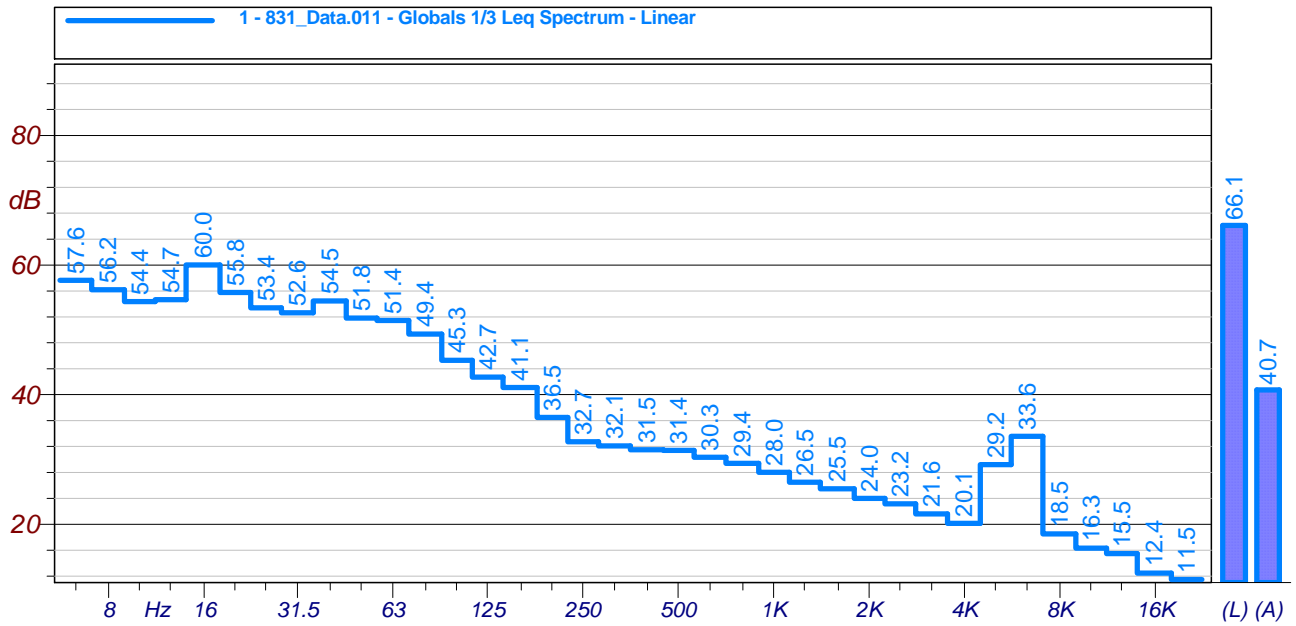
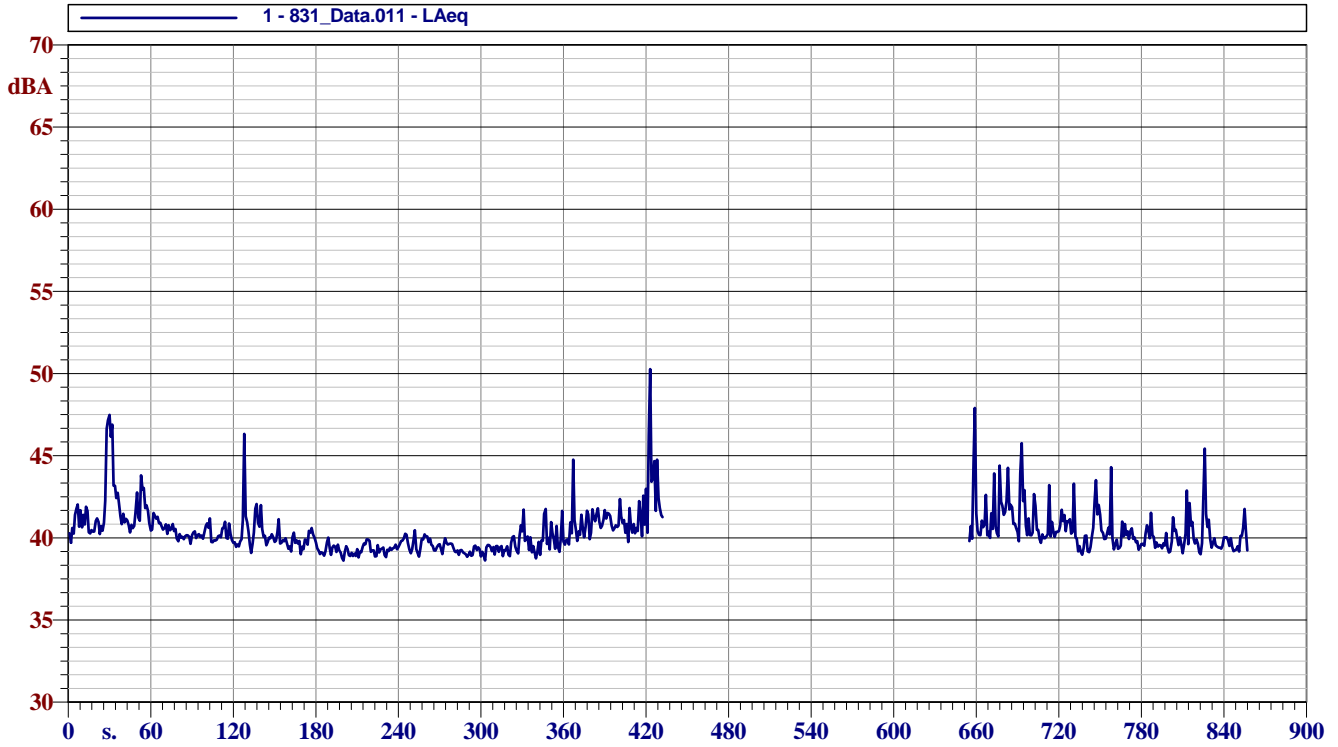
Overall Leq A: 46.5 dBA
L50.0: 46.3 dBA
L90.0: 45.0 dBA



Date: 9/21/2012 Time: 2:59:55 AM

RunTime: 857.0 seconds

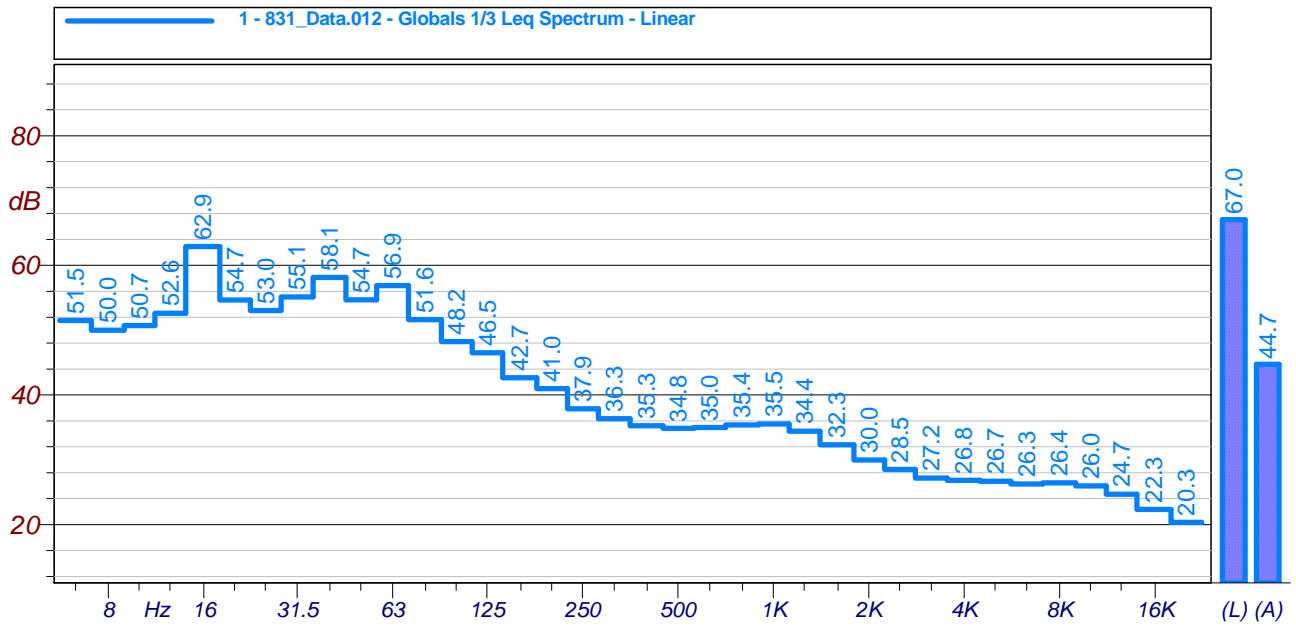
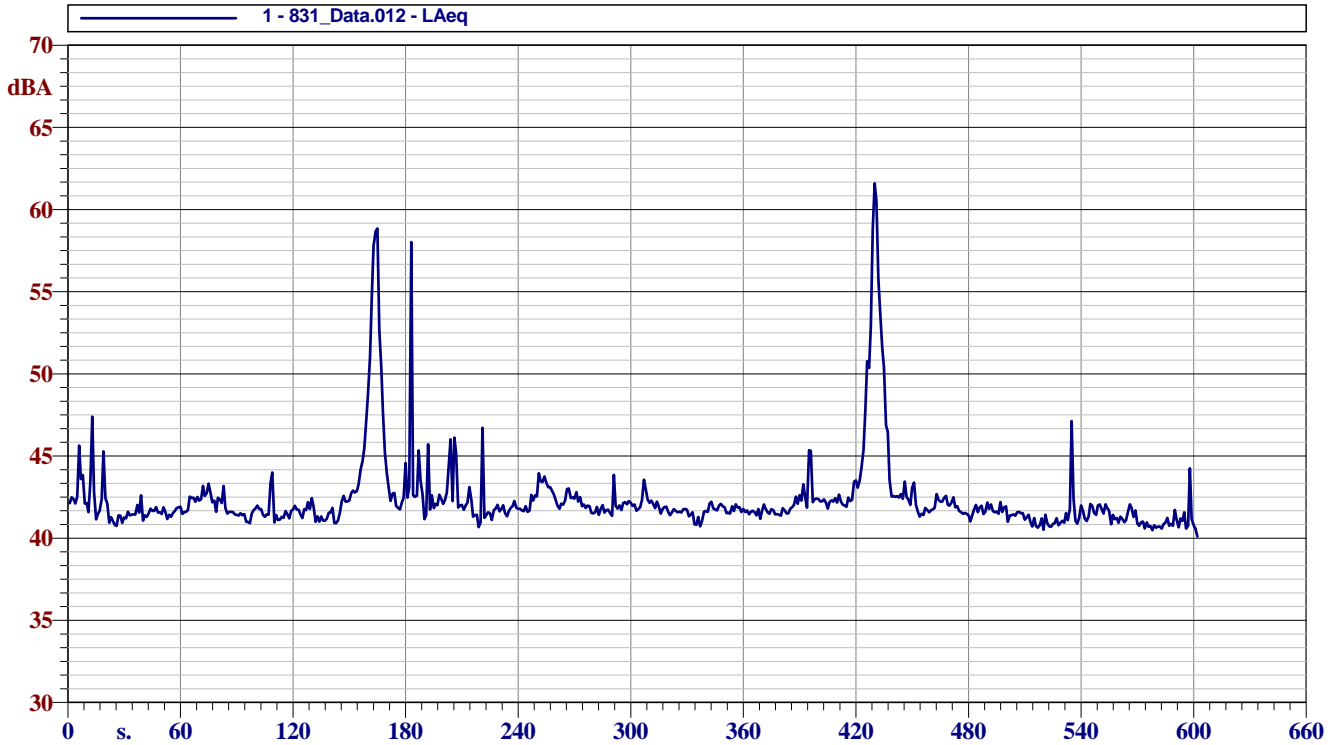
Overall Leq A: 40.7 dBA
L50.0: 40.1 dBA
L90.0: 39.2 dBA



Date: 9/21/2012 Time: 3:18:34 AM

RunTime: 602.0 seconds

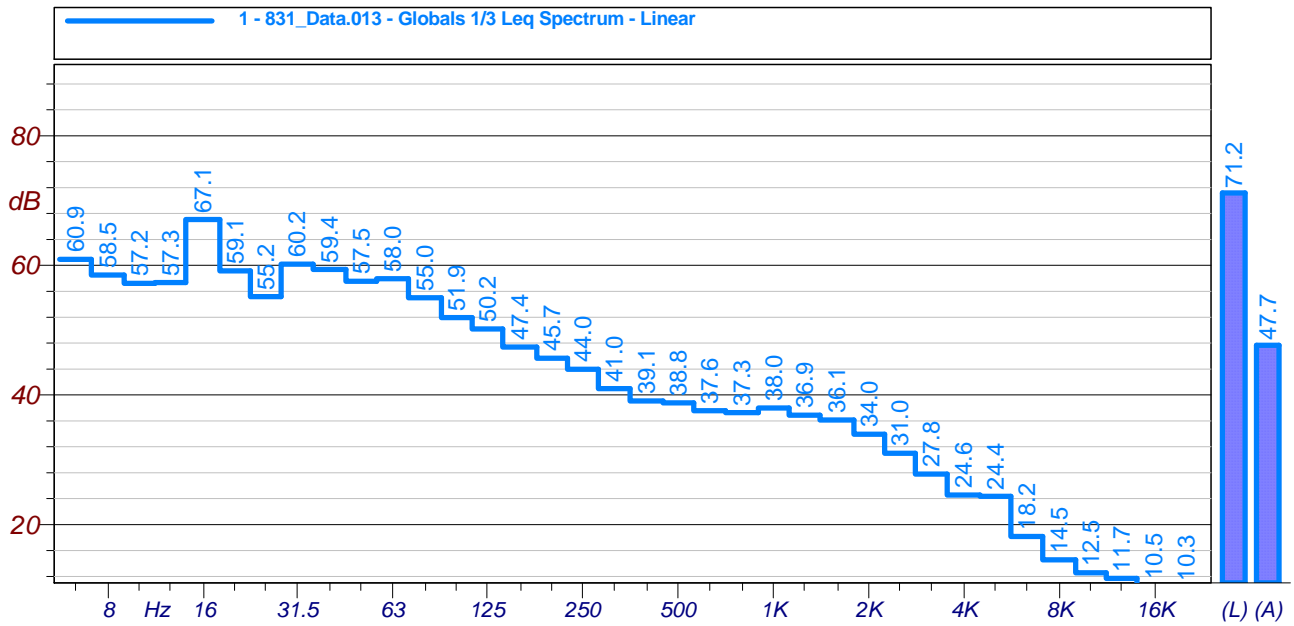
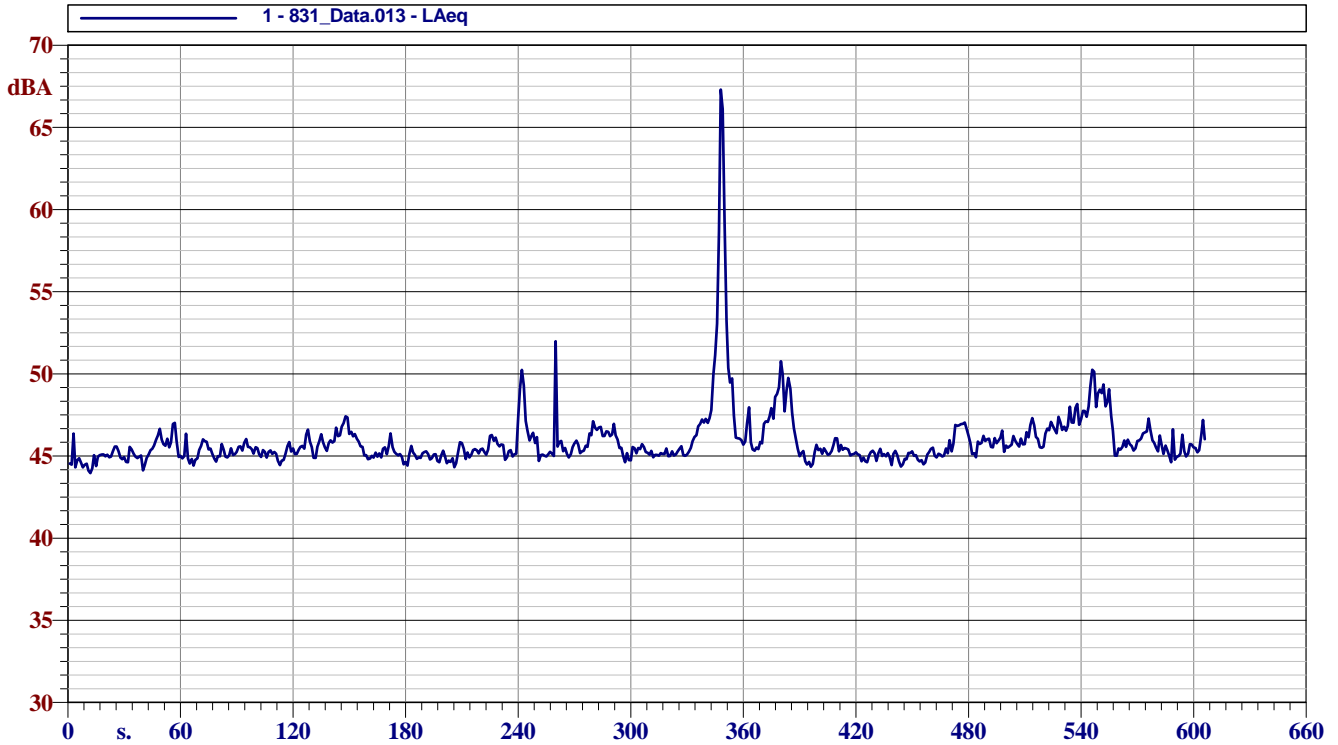
Overall Leq A: 44.7 dBA
L50.0: 41.8 dBA
L90.0: 41.1 dBA



Date: 9/21/2012 Time: 3:43:36 AM

RunTime: 606.0 seconds

Overall Leq A: 47.6 dBA
L50.0: 45.5 dBA
L90.0: 44.9 dBA

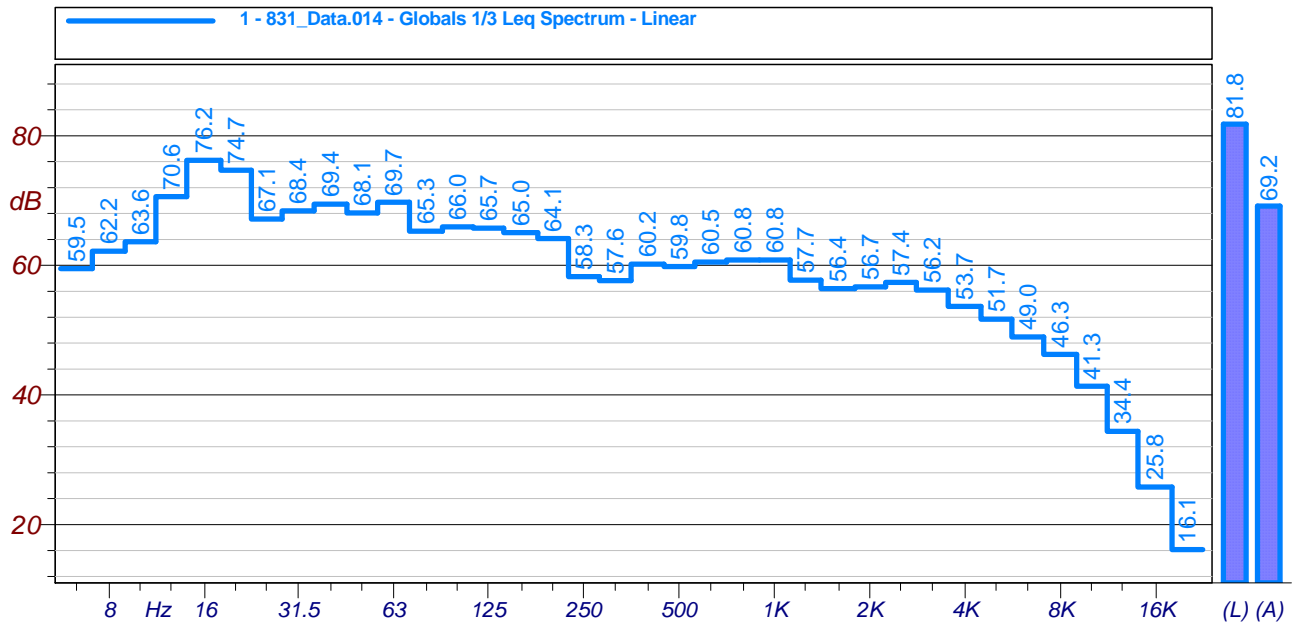
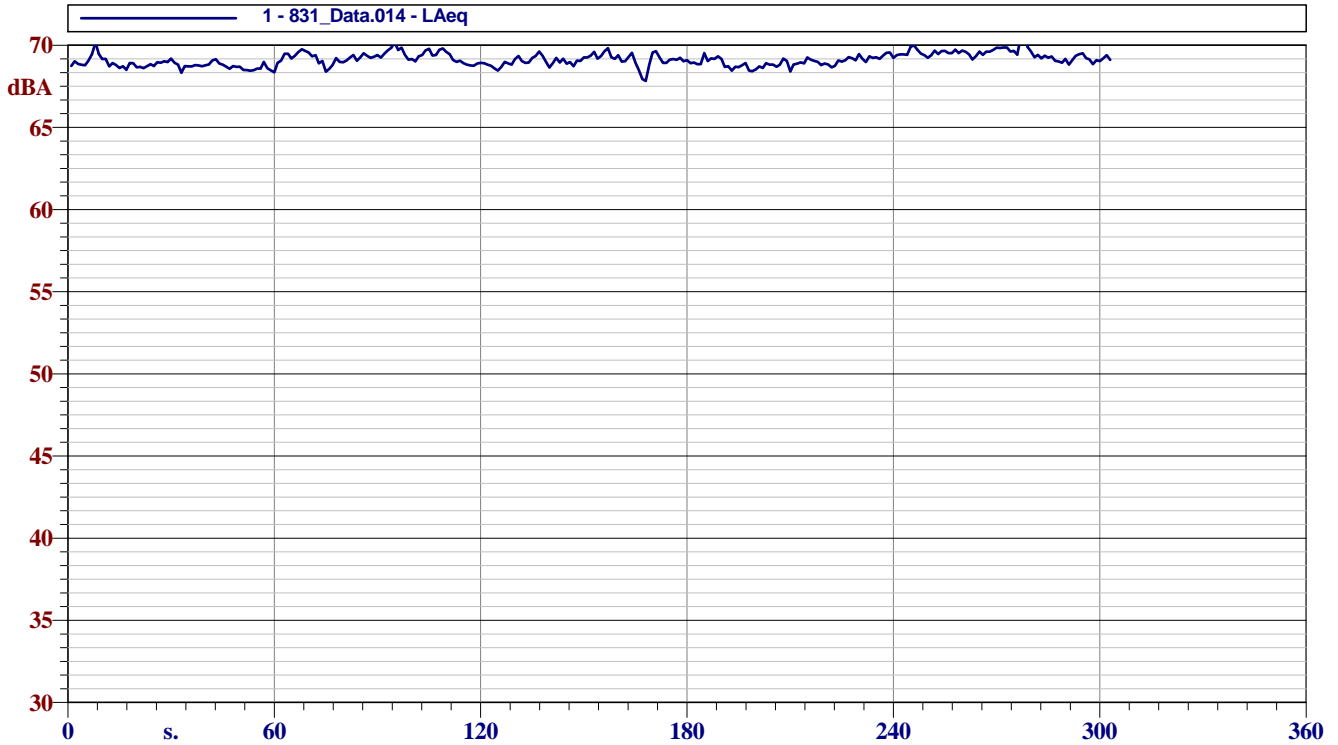


AES Huntington Beach
Monitoring Location: HHM10

Date: 9/21/2012 **Time:** 4:07:58 AM

RunTime: 303.0 seconds

Overall Leq A: 69.1 dBA
L50.0: 69.1 dBA
L90.0: 68.7 dBA



AES Huntington Beach
Monitoring Location: HHM11

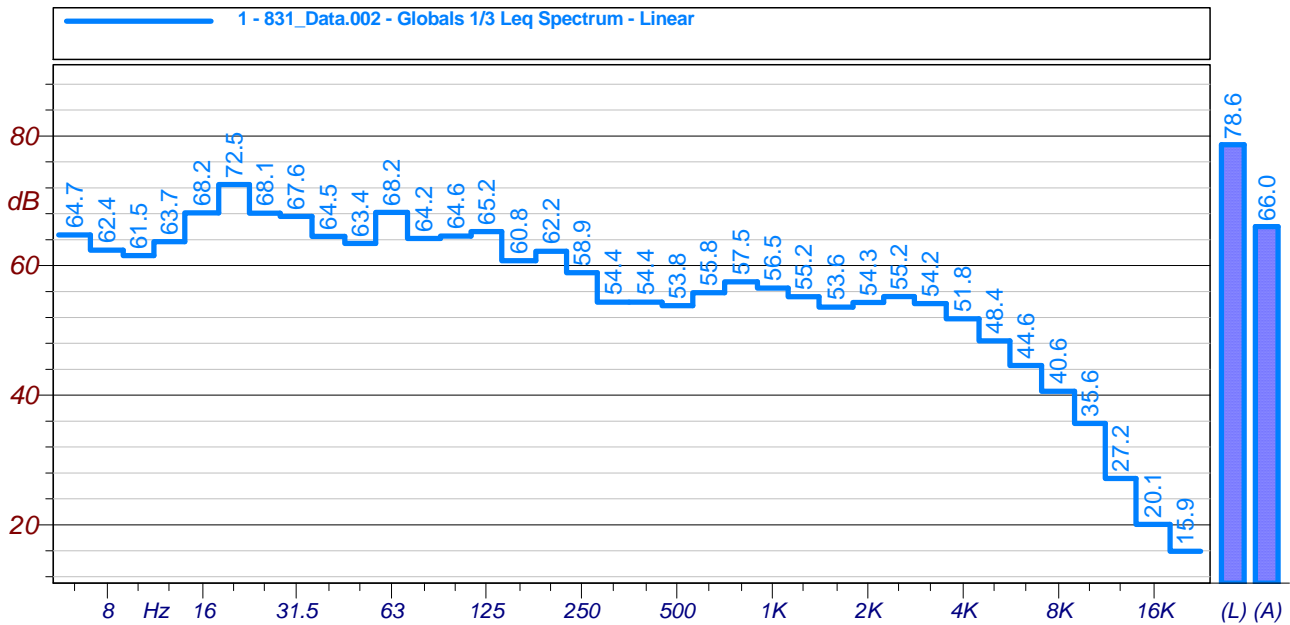
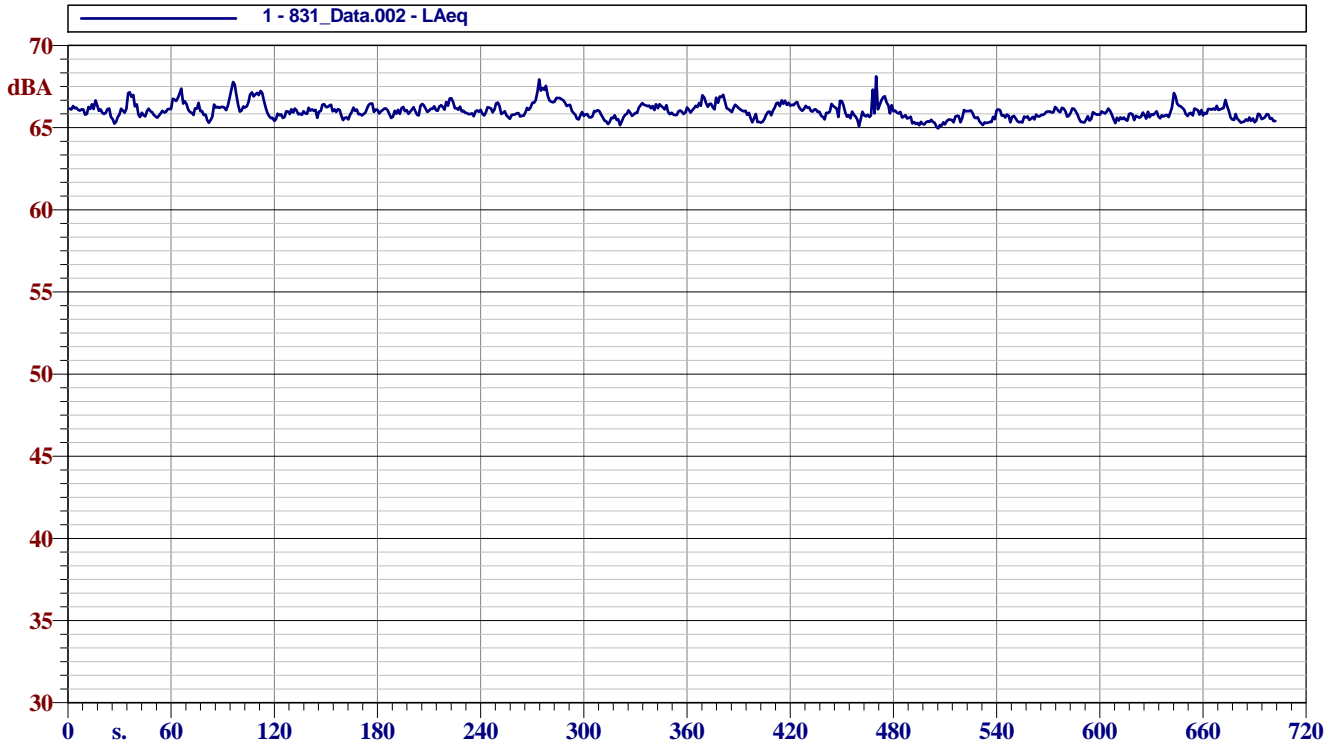
Date: 9/21/2012 Time: 1:10:41 AM

RunTime: 702.0 seconds

Overall Leq A: 66.0 dBA

L50.0: 65.9 dBA

L90.0: 65.5 dBA

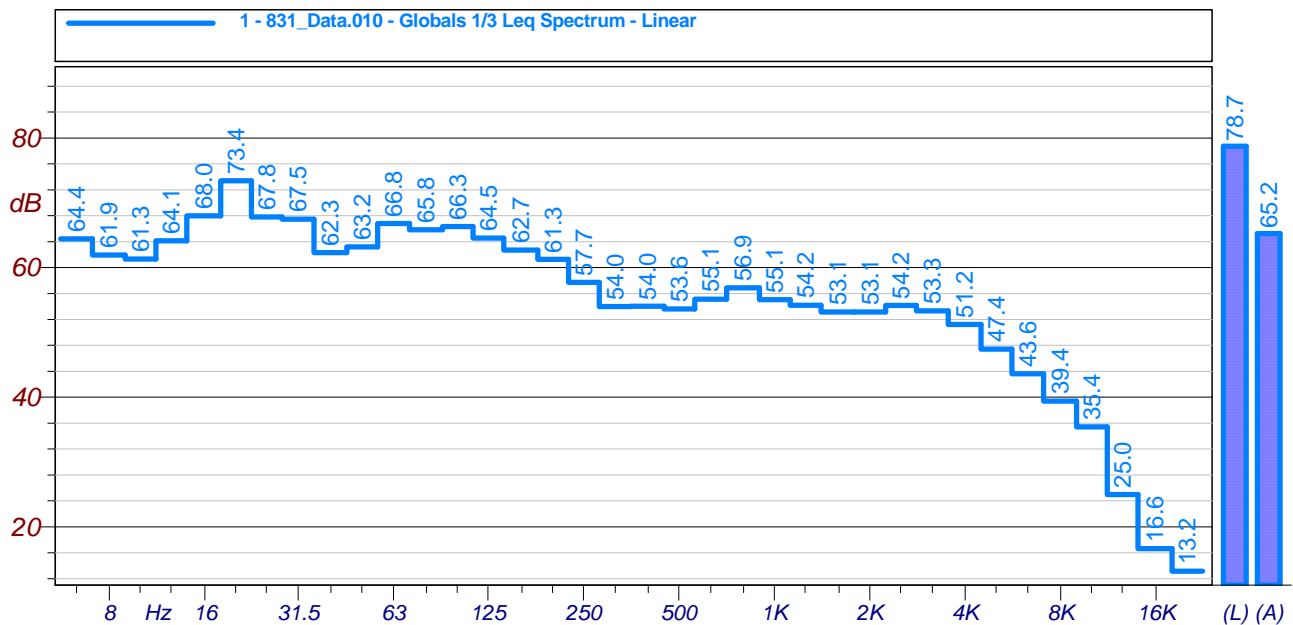
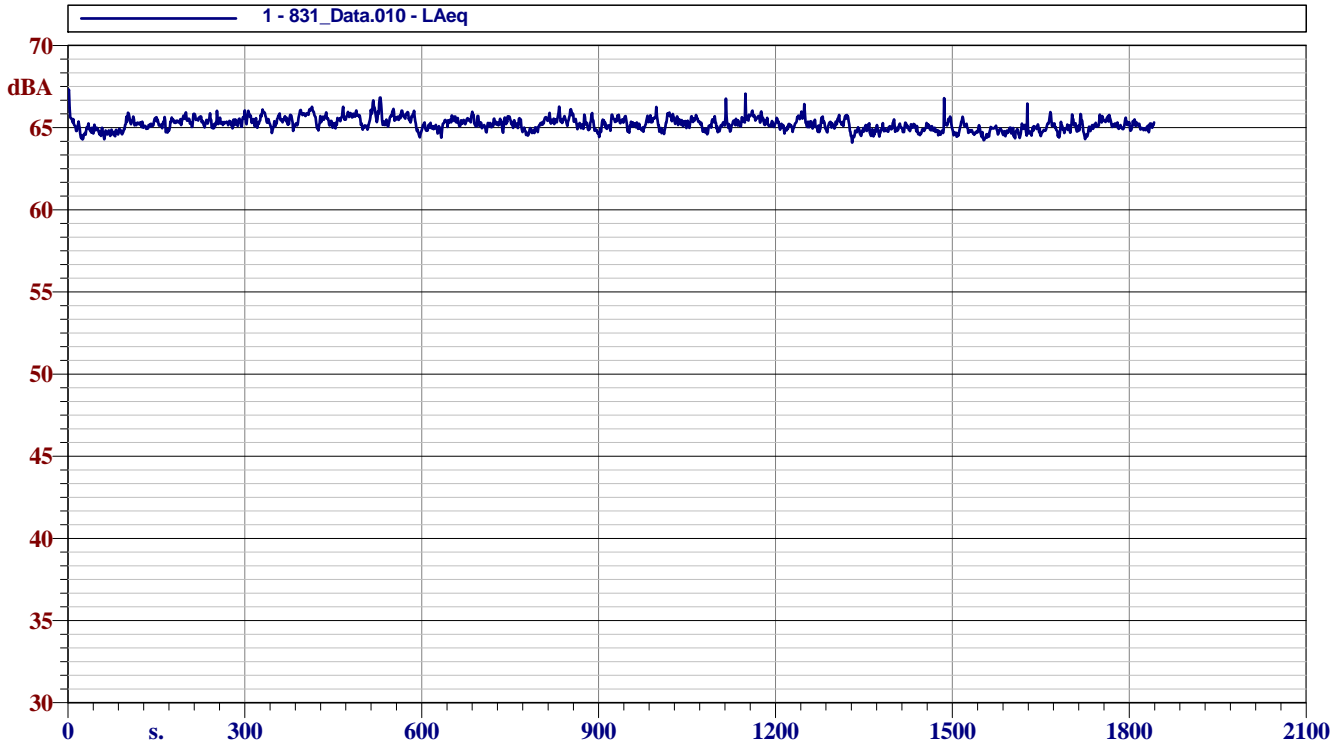


AES Huntington Beach
Monitoring Location: HHM11

Date: 9/21/2012 **Time:** 4:06:26 AM

RunTime: 1842.0 seconds

Overall Leq A: 65.2 dBA
L50.0: 65.2 dBA
L90.0: 64.7 dBA

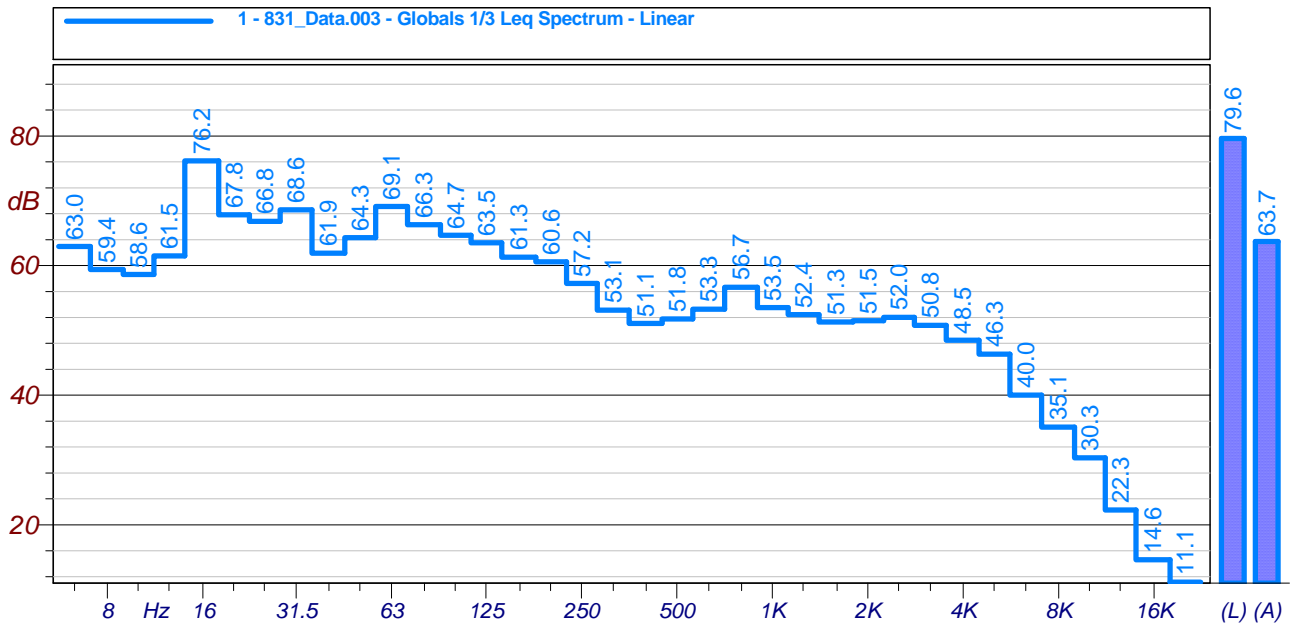
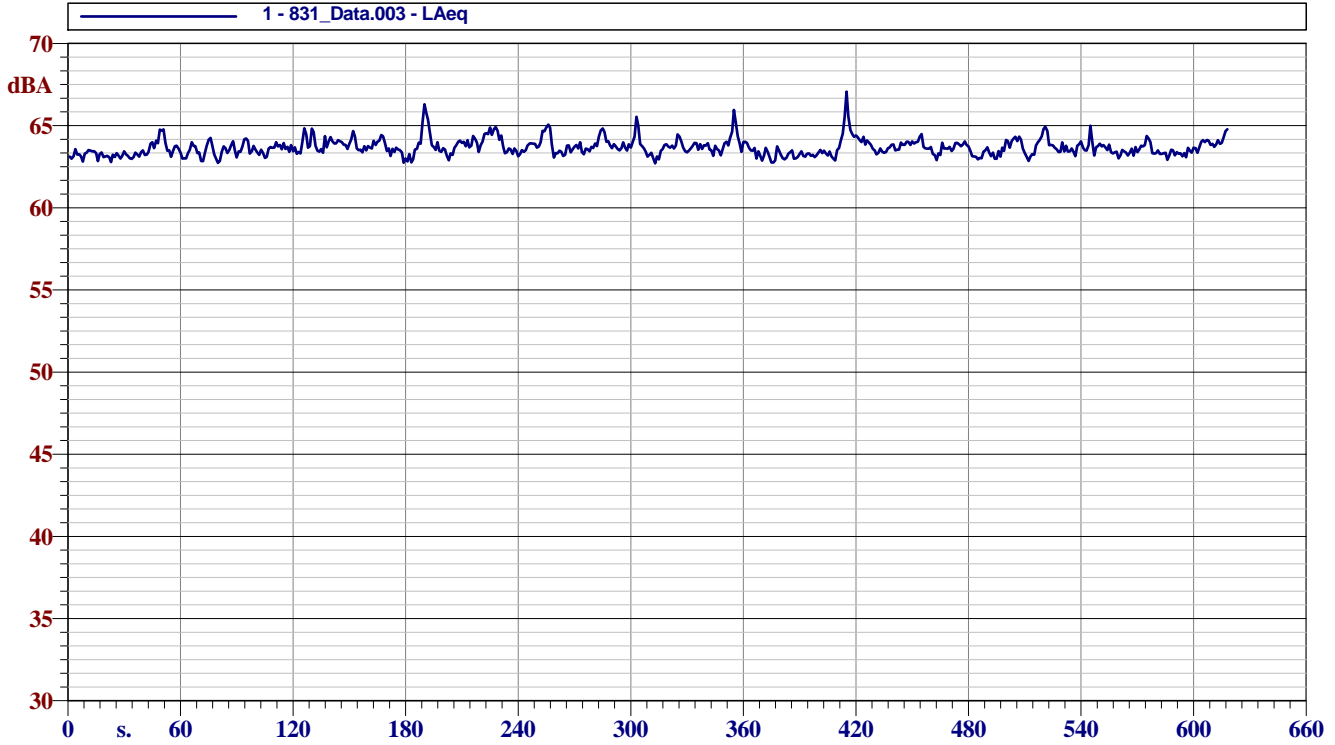


AES Huntington Beach
Monitoring Location: HHM12

Date: 9/21/2012 **Time:** 1:32:27 AM

RunTime: 618.0 seconds

Overall Leq A: 63.7 dBA
L50.0: 63.6 dBA
L90.0: 63.2 dBA

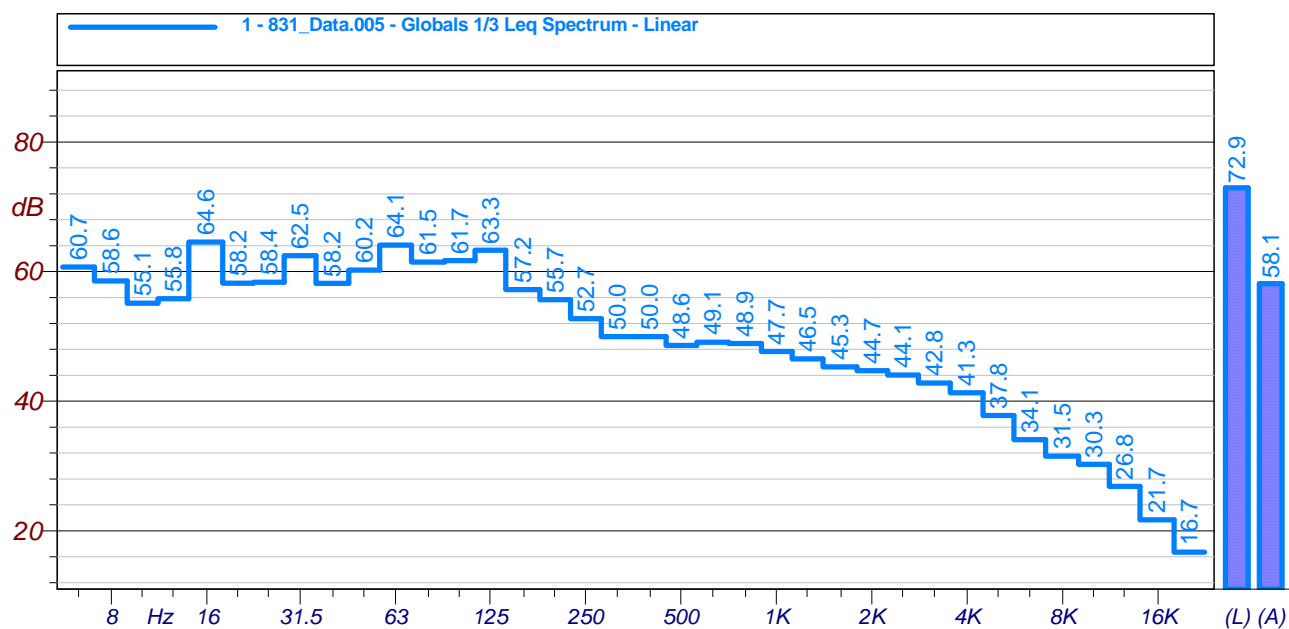
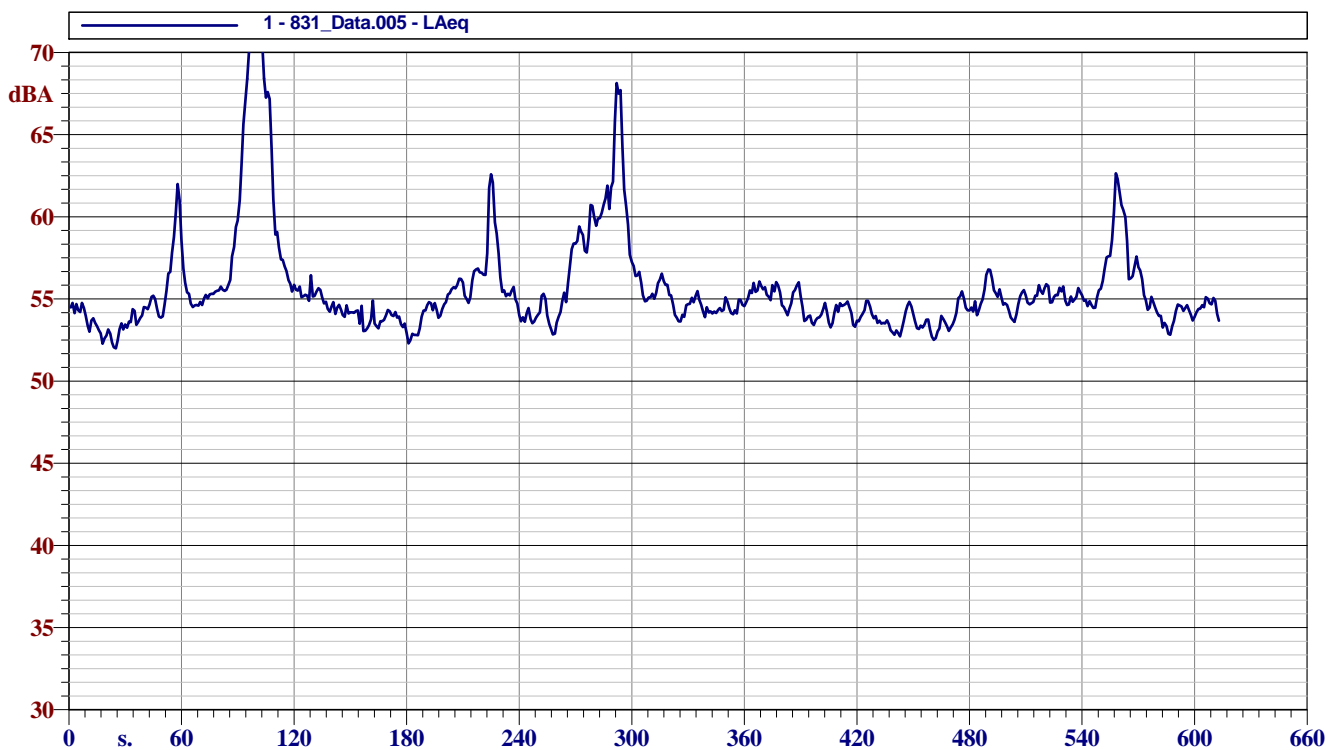


AES Huntington Beach
Monitoring Location: HHM13

Date: 9/21/2012 **Time:** 1:59:05 AM

RunTime: 613.0 seconds

Overall Leq A: 58.1 dBA
L50.0: 54.8 dBA
L90.0: 53.5 dBA



AES Huntington Beach
Monitoring Location: HHM14

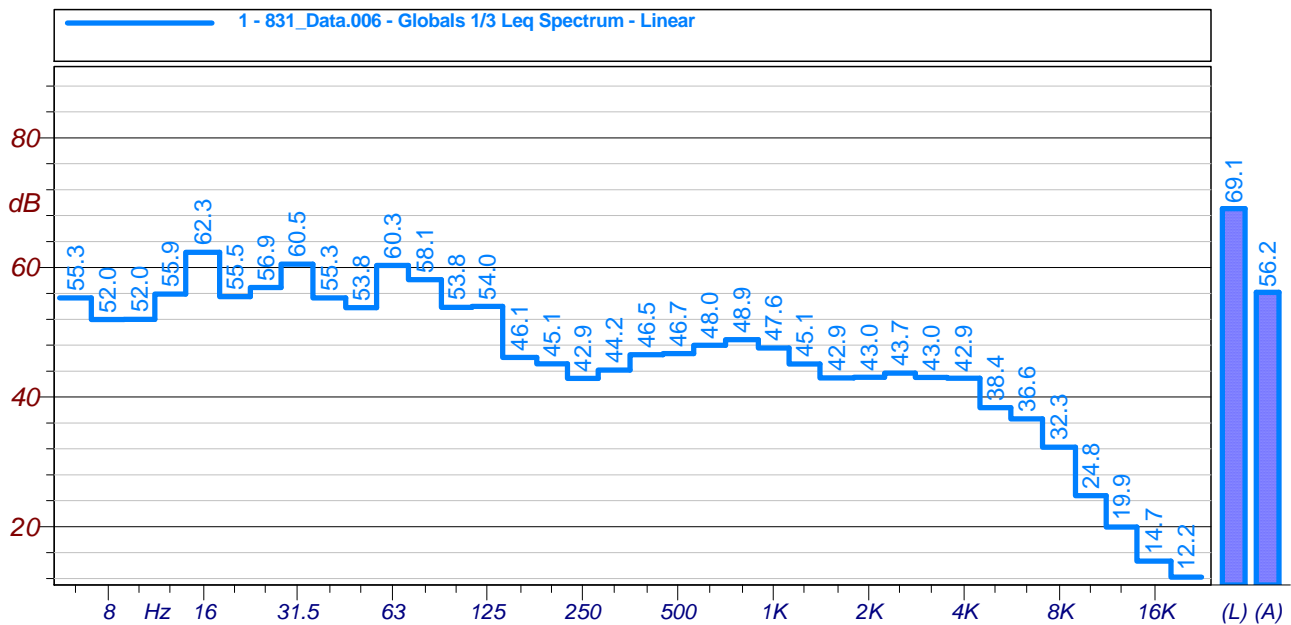
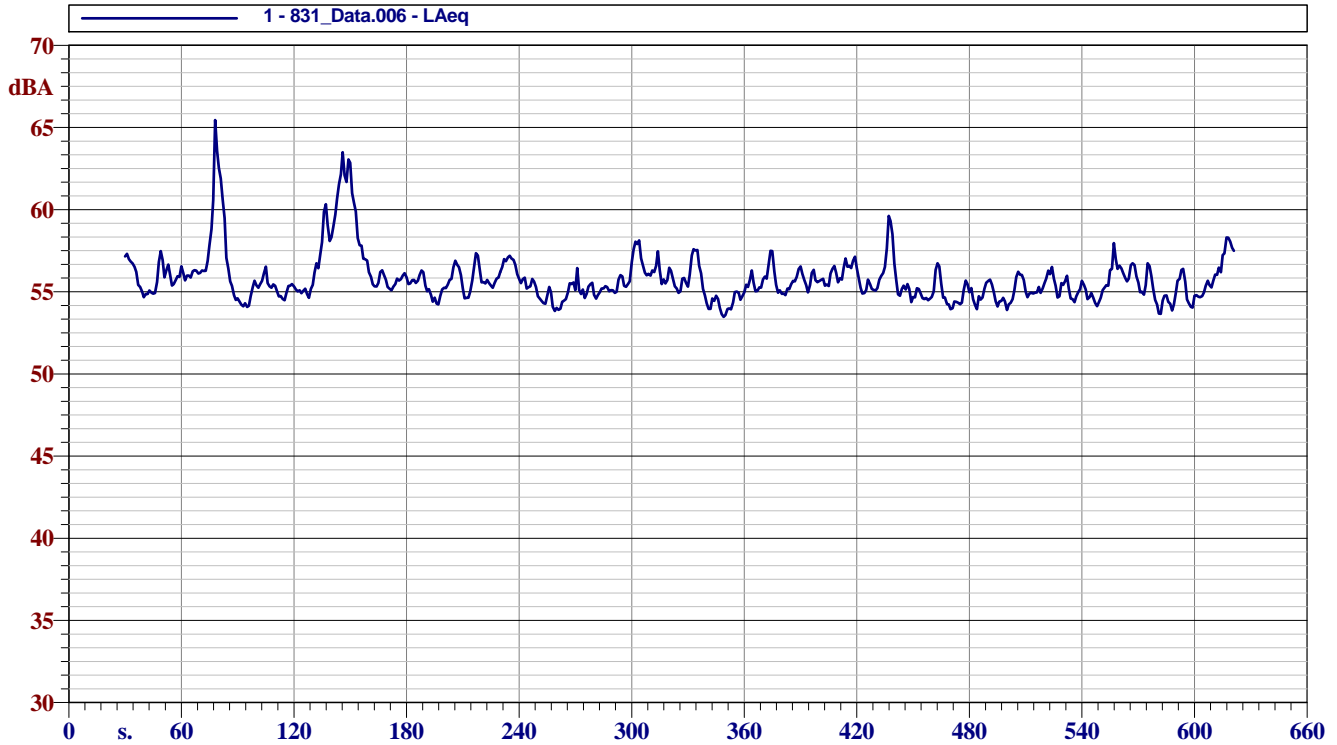
Date: 9/21/2012 Time: 2:13:11 AM

RunTime: 621.0 seconds

Overall Leq A: 56.1 dBA

L50.0: 55.5 dBA

L90.0: 54.5 dBA



AES Huntington Beach
Monitoring Location: HHM15

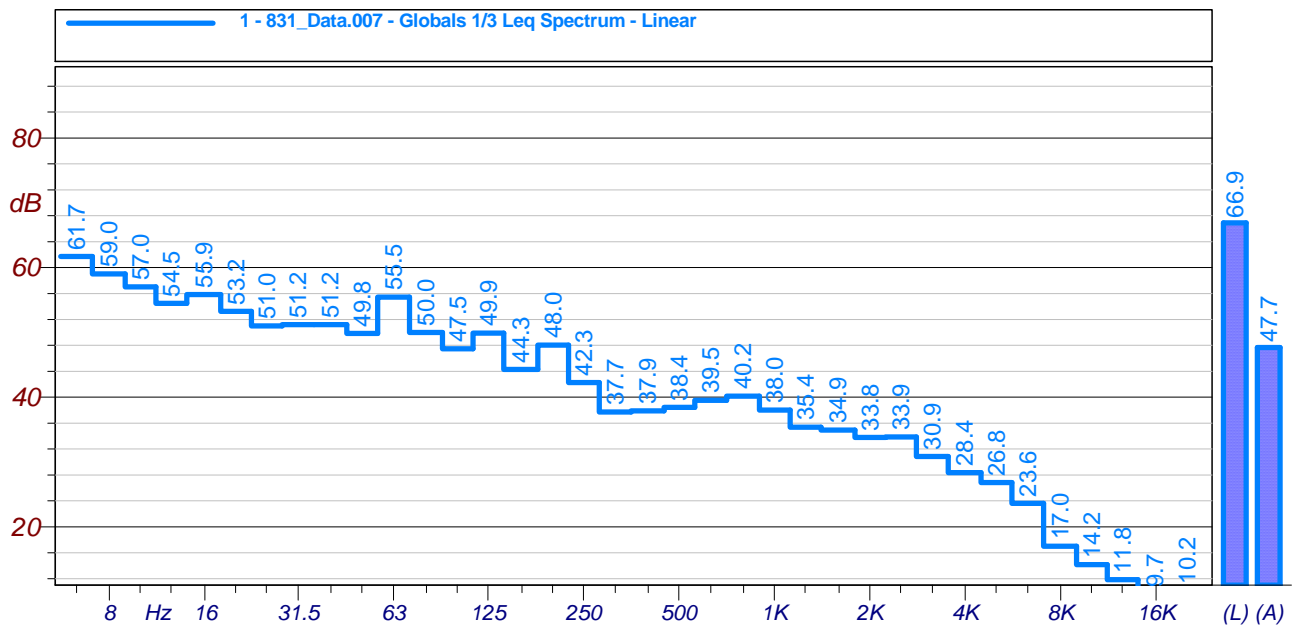
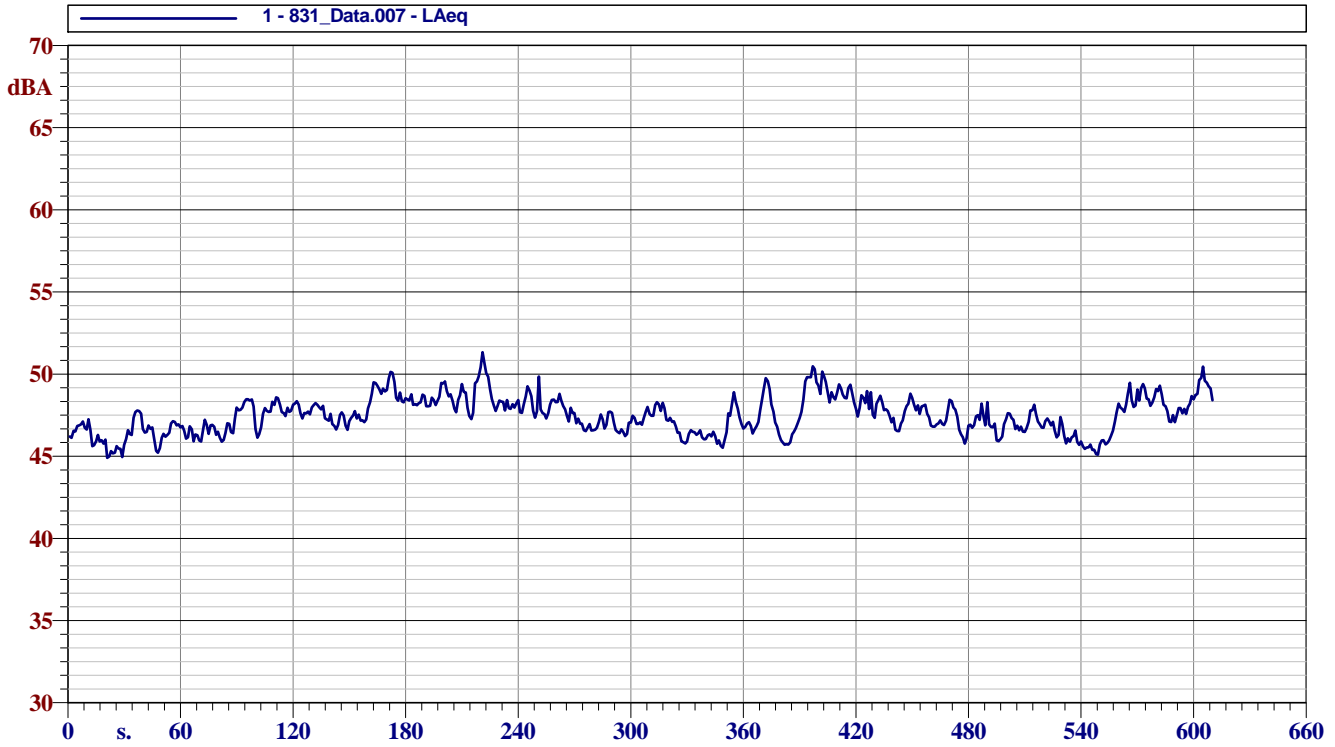
Date: 9/21/2012 **Time:** 2:30:09 AM

RunTime: 610.0 seconds

Overall Leq A: 47.6 dBA

L50.0: 47.5 dBA

L90.0: 46.1 dBA

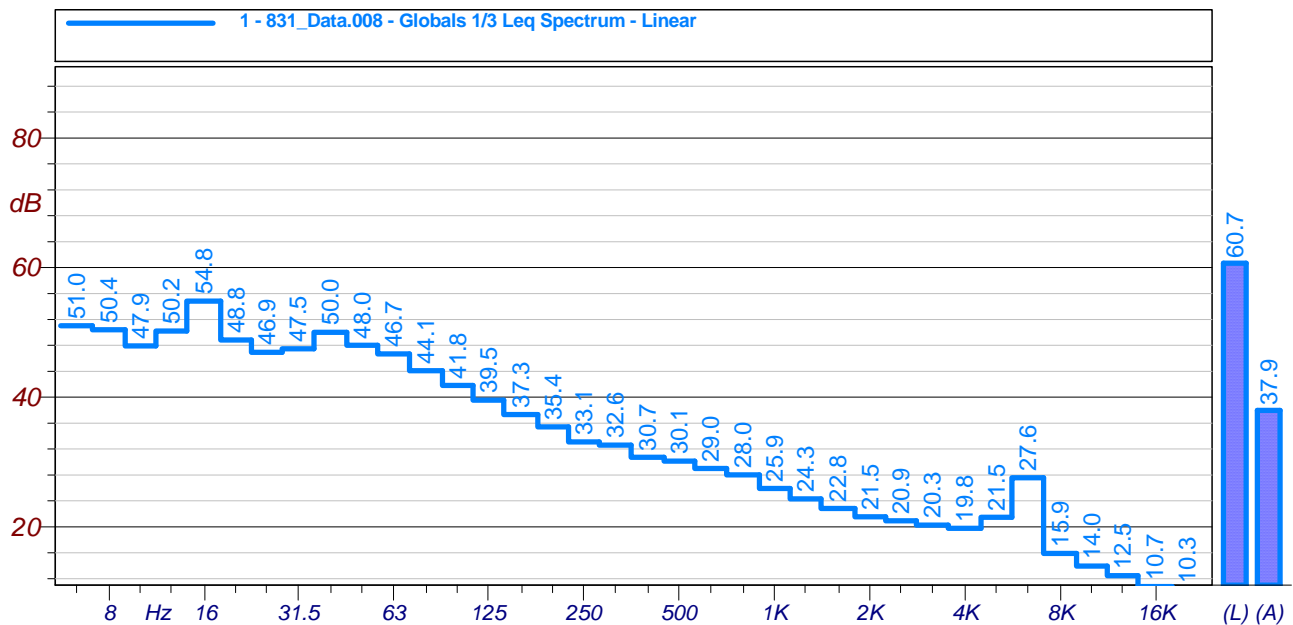
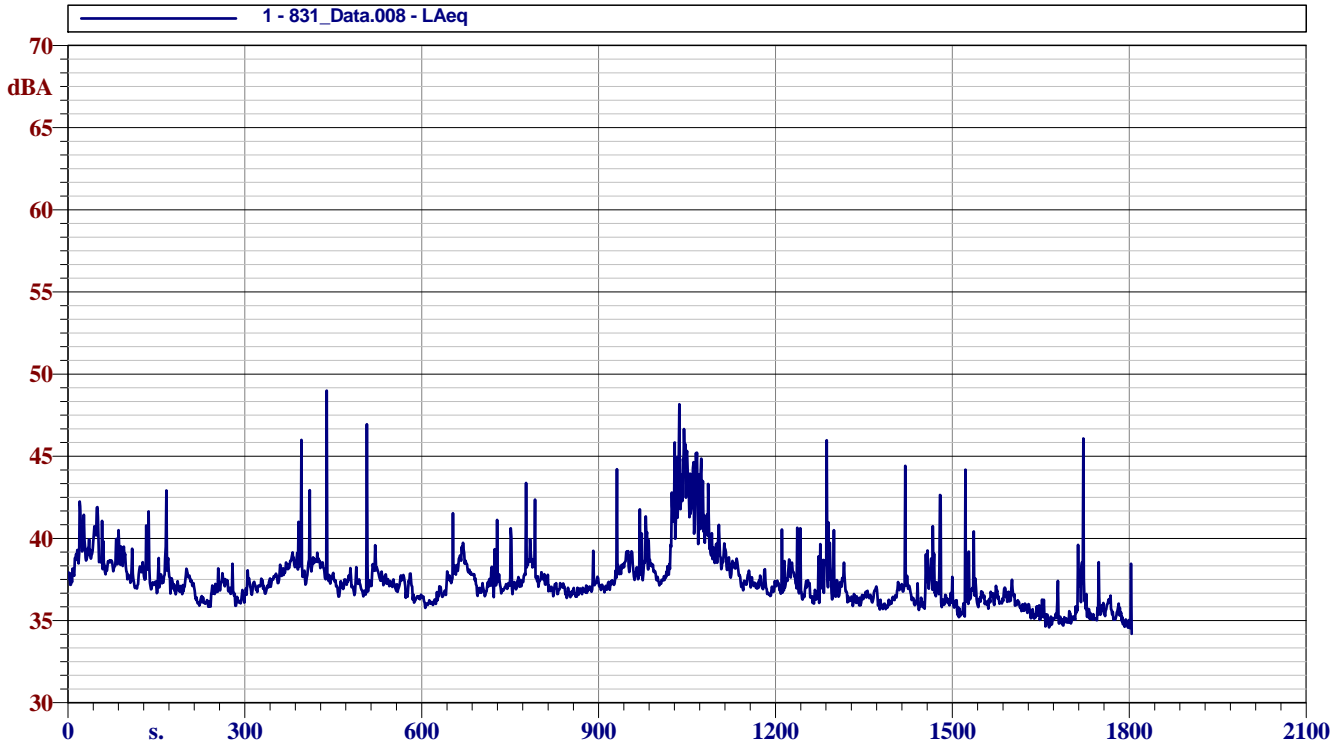


AES Huntington Beach
Monitoring Location: HHM16

Date: 9/21/2012 **Time:** 3:00:10 AM

RunTime: 1804.0 seconds

Overall Leq A: 37.9 dBA
L50.0: 37.2 dBA
L90.0: 35.9 dBA



AES Huntington Beach
Monitoring Location: HHM17

Date: 9/21/2012 Time: 3:44:00 AM

RunTime: 743.0 seconds

Overall Leq A: 45.8 dBA

L50.0: 43.7 dBA

L90.0: 42.9 dBA

