

# **Appendix F**

**Noise Data**

**Summary**

<b>Filename</b>	831_Data.012
<b>Serial Number</b>	1742
<b>Model</b>	831
<b>Firmware Version</b>	2.000
<b>User</b>	BonTerra Consulting
<b>Location</b>	SOCO Santa Fe - Fullerton
<b>Job Description</b>	
<b>Note</b>	
<b>Measurement Description</b>	
<b>Start</b>	2011/11/21 16:18:24
<b>Stop</b>	2011/11/21 17:18:31
<b>Duration</b>	1:00:00.8
<b>Run Time</b>	1:00:00.8
<b>Pause</b>	0:00:00.0
<b>Pre Calibration</b>	2011/11/09 14:07:32
<b>Post Calibration</b>	None
<b>Calibration Deviation</b>	---

**Overall Settings**

RMS Weight

Peak Weight

Detector

Preamp

Integration Method

Gain

Overload

A Weighting

A Weighting

Slow

PRM831

Linear

0.0 dB

143.9 dB

**A****C**

Under Range Peak

**76.3**

73.3

Under Range Limit

**26.3**

26.6

Noise Floor

17.2

17.5

**Results**

LAeq

72.4 dB

LAE

108.0 dB

EA

6.943 mPa<sup>2</sup>h

LApeak (max)

2011/11/21 16:41:27

106.9

LASmax

2011/11/21 16:37:14

90.3

LASmin

2011/11/21 16:44:58

46.4

SEA

-99.9 dB

LAS &gt; 65.0 dB (Exceedence Counts / Duration)

13

578.5

LAS &gt; 85.0 dB (Exceedence Counts / Duration)

14

56.7

LApeak &gt; 135.0 dB (Exceedence Counts / Duration)

0

0.0

LApeak &gt; 137.0 dB (Exceedence Counts / Duration)

0

0.0

LApeak &gt; 140.0 dB (Exceedence Counts / Duration)

0

0.0

**Community Noise****Ldn LDay 07:00-22:00**

	72.4	72.4
LCeq	84.4 dB	
LAeq	72.4 dB	
LCeq - LAeq	12.0 dB	
LAeq	74.5 dB	
LAeq	72.4 dB	
LAeq - LAeq	2.1 dB	
# Overloads	0	
Overload Duration	0.0 s	

**Statistics**

LAS5.00	81.0 dB
LAS10.00	73.1 dB
LAS33.30	52.7 dB
LAS50.00	50.7 dB
LAS66.60	49.6 dB
LAS90.00	48.3 dB

**Calibration History**

Preamp	Date	dB re. 1V/Pa 16000 20000
PRM831	2011/11/09 14:07:32	-26.4
PRM831	2011/10/19 10:45:43	-26.3
PRM831	2011/08/02 12:10:03	-26.4

**User** BonTerra Consulting  
**Location** SOCO Santa Fe - Fullerton

Record #	Date	Time	Duration	LAeq	LASmax	Time
1	2011/11/21	16:22:48	00:00:11.8	69.7	71.8	16:22:53
2	2011/11/21	16:25:24	00:00:13.1	82.9	89.8	16:25:27
3	2011/11/21	16:36:43	00:00:14.1	77.9	84.0	16:36:46
4	2011/11/21	16:37:06	00:01:48.3	81.8	90.3	16:37:14
5	2011/11/21	16:39:26	00:02:24.3	82.9	89.6	16:40:32
6	2011/11/21	16:56:07	00:00:38.3	80.0	88.7	16:56:35
7	2011/11/21	17:04:16	00:00:09.1	67.1	68.1	17:04:18
8	2011/11/21	17:05:15	00:00:12.6	78.1	84.1	17:05:18
9	2011/11/21	17:12:11	00:00:25.1	81.1	89.1	17:12:24
10	2011/11/21	17:13:08	00:01:09.0	77.4	83.6	17:13:25
11	2011/11/21	17:16:43	00:00:09.6	66.8	68.3	17:16:47
12	2011/11/21	17:16:58	00:01:31.0	73.1	79.6	17:18:06

Data from observation notes

Minutes from start	Minutes after 1600	Event	Leq from above	Duration from above
4.5	22.9	Helo	71.8	00:00:11.8
6.9	25.3	SB Metro	89.8	00:00:13.1
18.3	36.7	SB Amtrak	84.0	00:00:14.1
18.7	37.1	SB freight	90.3	00:01:48.3
21	39.4	NB freight	89.6	00:02:24.3
31.9	50.3	It plane	less than 65	
		SB & NB		
37.5	55.9	metros	88.7	00:00:38.3
45.6	64	It plane	68.1	00:00:09.1
46.7	65.1	SB metro	84.1	00:00:12.6
53	71.4	horns	less than 65	
53.7	72.1	NB Amtrak	89.1	00:00:25.1
54.7	73.1	SB freight	83.6	00:01:09.0
			68.3	00:00:09.6
			79.6	00:01:31.0