

APPENDIX D
NOISE MONITORING DATA SHEETS

Summary

Filename	831_Data.033
Serial Number	1742
Model	831
Firmware Version	2.000
User	
Location	1
Job Description	Park to Playa Trail
Note	
Measurement Description	
Start	2012/10/23 11:29:55
Stop	2012/10/23 11:52:32
Duration	0:20:02.7
Run Time	0:20:02.7
Pause	0:00:00.0

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRM831
Integration Method	Linear
Gain	0.0 dB
Overload	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

L _{Aeq}	51.8 97.82 dB
L _{AE}	128.6 dB
EA	809.674 mPa ² h
L _{Apeak} (max)	2012/10/23 11:30:24
L _{ASmax}	2012/10/23 11:30:22
L _{ASmin}	2012/10/23 11:44:16
SEA	134.2

Statistics

L _{AS5.00}	58.1
L _{AS10.00}	55.1
L _{AS33.30}	51.1
L _{AS50.00}	49.7
L _{AS66.60}	48.0
L _{AS90.00}	44.4

Record #	Date	Time	Duration	Run Time	Pause	LAeq	energy	LASmin	Time	LASmax	Time
1	2012/10/23	11:29:55	00:00:04.3	00:00:04.3	00:00:00.0	114.0		114.0	11:29:55	114.0	11:29:58
2	2012/10/23	11:30:00	00:01:00.0	00:01:00.0	00:00:00.0	110.2	Calibration and setup	48.0	11:30:54	114.0	11:30:22
3	2012/10/23	11:31:00	00:00:05.3	00:00:05.3	00:00:00.0	51.4	data not included in	50.3	11:31:01	52.1	11:31:05
4	2012/10/23	11:33:36	00:00:23.6	00:00:23.6	00:00:00.0	53.9	location 1 data	49.2	11:33:36	57.9	11:33:59
5	2012/10/23	11:34:00	00:01:00.0	00:01:00.0	00:00:00.0	51.7	148273	43.3	11:34:29	56.9	11:34:00
6	2012/10/23	11:35:00	00:01:00.0	00:01:00.0	00:00:00.0	50.6	114525	44.1	11:35:41	54.8	11:35:14
7	2012/10/23	11:36:00	00:01:00.0	00:01:00.0	00:00:00.0	50.9	122501	48.1	11:36:27	54.9	11:36:35
8	2012/10/23	11:37:00	00:01:00.0	00:01:00.0	00:00:00.0	57.7	590170	45.5	11:37:55	69.9	11:37:08
9	2012/10/23	11:38:00	00:01:00.0	00:01:00.0	00:00:00.0	52.3	170143	48.0	11:38:04	56.3	11:38:06
10	2012/10/23	11:39:00	00:01:00.0	00:01:00.0	00:00:00.0	47.0	50591	40.9	11:39:43	51.3	11:39:00
11	2012/10/23	11:40:01	00:01:00.0	00:01:00.0	00:00:00.0	52.3	169960	45.6	11:40:11	56.3	11:40:57
12	2012/10/23	11:41:01	00:01:00.0	00:01:00.0	00:00:00.0	50.3	107865	40.7	11:41:53	55.8	11:41:01
13	2012/10/23	11:42:01	00:01:00.0	00:01:00.0	00:00:00.0	48.6	73009	42.7	11:42:31	54.2	11:42:09
14	2012/10/23	11:43:01	00:01:00.0	00:01:00.0	00:00:00.0	49.4	87786	45.4	11:43:28	53.2	11:43:58
15	2012/10/23	11:44:01	00:01:00.0	00:01:00.0	00:00:00.0	51.7	147270	37.3	11:44:16	58.4	11:44:51
16	2012/10/23	11:45:01	00:01:00.0	00:01:00.0	00:00:00.0	54.0	249165	46.6	11:45:59	59.3	11:45:06
17	2012/10/23	11:46:01	00:01:00.0	00:01:00.0	00:00:00.0	49.0	79743	39.5	11:46:27	53.1	11:47:01
18	2012/10/23	11:47:02	00:01:00.0	00:01:00.0	00:00:00.0	53.9	243640	46.3	11:47:43	60.8	11:47:14
19	2012/10/23	11:48:02	00:01:00.0	00:01:00.0	00:00:00.0	49.8	94534	47.1	11:48:54	52.4	11:48:26
20	2012/10/23	11:49:02	00:01:00.0	00:01:00.0	00:00:00.0	46.9	49252	43.4	11:49:25	49.3	11:50:01
21	2012/10/23	11:50:02	00:01:00.0	00:01:00.0	00:00:00.0	49.9	96843	40.3	11:50:20	53.5	11:50:47
22	2012/10/23	11:51:02	00:01:00.0	00:01:00.0	00:00:00.0	48.6	72309	42.9	11:51:30	52.8	11:51:12
23	2012/10/23	11:52:02	00:00:29.5	00:00:29.5	00:00:00.0	45.9		42.4	11:52:13	50.8	11:52:26

Location 1

17

2595270 sum
152662.96 average
51.8 Leq

69.9

Summary

Filename	831_Data.034
Serial Number	1742
Model	831
Firmware Version	2.000
User	
Location	2
Job Description	Park to Playa Trail
Note	
Measurement Description	
Start	2012/10/23 12:29:10
Stop	2012/10/23 12:49:21
Duration	0:20:08.9
Run Time	0:20:08.9
Pause	0:00:00.0

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRM831
Integration Method	Linear
Gain	0.0 dB
Overload	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	44.9 dB	
LApeak (max)	2012/10/23 12:41:03	84.6
LASmax	2012/10/23 12:41:03	56.3
LASmin	2012/10/23 12:48:21	39.6

Statistics

LAS5.00	49.9 dB
LAS10.00	47.8 dB
LAS33.30	43.9 dB
LAS50.00	43.0 dB
LAS66.60	42.3 dB
LAS90.00	41.4 dB

Record #	Date	Time	Duration	Run Time	Pause	LAeq	LASmin	Time	LASmax	Time
1	2012/10/23	12:29:10	00:00:49.2	00:00:49.2	00:00:00.0	45.7	41.0	12:29:44	51.9	12:29:10
2	2012/10/23	12:30:00	00:01:00.0	00:01:00.0	00:00:00.0	47.0	41.7	12:30:23	51.2	12:30:47
3	2012/10/23	12:31:00	00:01:00.0	00:01:00.0	00:00:00.0	43.3	41.4	12:31:28	49.6	12:31:11
4	2012/10/23	12:32:00	00:01:00.0	00:01:00.0	00:00:00.0	42.4	39.8	12:32:13	44.5	12:32:51
5	2012/10/23	12:33:00	00:01:00.0	00:01:00.0	00:00:00.0	44.5	42.3	12:33:18	49.2	12:33:43
6	2012/10/23	12:34:00	00:01:00.0	00:01:00.0	00:00:00.0	43.7	40.5	12:34:46	47.7	12:34:29
7	2012/10/23	12:35:00	00:01:00.0	00:01:00.0	00:00:00.0	49.0	41.8	12:35:10	55.3	12:35:47
8	2012/10/23	12:36:01	00:01:00.0	00:01:00.0	00:00:00.0	46.2	41.8	12:36:42	51.3	12:36:03
9	2012/10/23	12:37:01	00:01:00.0	00:01:00.0	00:00:00.0	45.9	41.5	12:37:12	52.5	12:37:55
10	2012/10/23	12:38:01	00:01:00.0	00:01:00.0	00:00:00.0	49.3	42.5	12:38:50	56.0	12:38:09
11	2012/10/23	12:39:01	00:01:00.0	00:01:00.0	00:00:00.0	43.8	41.9	12:39:21	49.1	12:39:01
12	2012/10/23	12:40:01	00:01:00.0	00:01:00.0	00:00:00.0	43.3	41.2	12:40:35	46.4	12:40:05
13	2012/10/23	12:41:01	00:01:00.0	00:01:00.0	00:00:00.0	43.8	40.2	12:41:55	56.3	12:41:03
14	2012/10/23	12:42:01	00:01:00.0	00:01:00.0	00:00:00.0	43.0	40.3	12:42:02	45.7	12:42:45
15	2012/10/23	12:43:01	00:01:00.0	00:01:00.0	00:00:00.0	43.5	41.5	12:43:20	46.4	12:43:07
16	2012/10/23	12:44:01	00:01:00.0	00:01:00.0	00:00:00.0	43.4	40.3	12:44:57	51.6	12:44:09
17	2012/10/23	12:45:01	00:01:00.0	00:01:00.0	00:00:00.0	41.8	40.8	12:45:25	43.2	12:45:45
18	2012/10/23	12:46:01	00:01:00.0	00:01:00.0	00:00:00.0	44.3	41.8	12:46:02	47.9	12:46:23
19	2012/10/23	12:47:01	00:01:00.0	00:01:00.0	00:00:00.0	42.1	40.8	12:47:58	44.7	12:47:03
20	2012/10/23	12:48:01	00:01:00.0	00:01:00.0	00:00:00.0	41.4	39.6	12:48:21	43.1	12:48:43
21	2012/10/23	12:49:01	00:00:19.7	00:00:19.7	00:00:00.0	42.5	40.8	12:49:03	44.8	12:49:20

Summary

Filename	831_Data.035
Serial Number	1742
Model	831
Firmware Version	2.000
User	
Location	3
Job Description	Park to Playa Trail
Note	
Measurement Description	
Start	2012/10/23 12:54:22
Stop	2012/10/23 13:14:32
Duration	0:20:06.7
Run Time	0:20:06.7
Pause	0:00:00.0

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRM831
Integration Method	Linear
Gain	0.0 dB
Overload	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	47.7 dB	
LAE	78.5 dB	
EA	7.819 $\mu\text{Pa}^2\text{h}$	
LApeak (max)	2012/10/23 13:03:37	78.7
LASmax	2012/10/23 13:03:54	62.4
LASmin	2012/10/23 12:55:43	37.3

Statistics

LAS5.00	54.4 dB
LAS10.00	51.3 dB
LAS33.30	43.4 dB
LAS50.00	41.6 dB
LAS66.60	40.7 dB
LAS90.00	39.1 dB

Record #	Date	Time	Duration	Run Time	Pause	LAeq	LASmin	Time	LASmax	Time
1	2012/10/23	12:54:22	00:00:37.1	00:00:37.1	00:00:00.0	48.4	41.6	12:54:25	52.4	12:54:43
2	2012/10/23	12:55:00	00:01:00.0	00:01:00.0	00:00:00.0	41.1	37.3	12:55:43	49.2	12:55:00
3	2012/10/23	12:56:00	00:01:00.0	00:01:00.0	00:00:00.0	53.3	38.0	12:56:08	60.2	12:56:40
4	2012/10/23	12:57:00	00:01:00.0	00:01:00.0	00:00:00.0	41.8	38.1	12:57:53	48.7	12:57:00
5	2012/10/23	12:58:00	00:01:00.0	00:01:00.0	00:00:00.0	40.6	38.1	12:58:11	45.5	12:58:52
6	2012/10/23	12:59:00	00:01:00.0	00:01:00.0	00:00:00.0	50.2	38.9	12:59:11	56.3	12:59:41
7	2012/10/23	13:00:00	00:01:00.0	00:01:00.0	00:00:00.0	44.0	37.5	13:00:59	50.6	13:00:17
8	2012/10/23	13:01:01	00:01:00.0	00:01:00.0	00:00:00.0	50.5	38.2	13:01:03	56.9	13:01:39
9	2012/10/23	13:02:01	00:01:00.0	00:01:00.0	00:00:00.0	43.6	38.4	13:02:58	52.3	13:02:05
10	2012/10/23	13:03:01	00:01:00.0	00:01:00.0	00:00:00.0	54.6	38.6	13:03:02	62.4	13:03:54
11	2012/10/23	13:04:01	00:01:00.0	00:01:00.0	00:00:00.0	52.5	40.9	13:04:54	59.8	13:04:07
12	2012/10/23	13:05:01	00:01:00.0	00:01:00.0	00:00:00.0	40.7	38.5	13:05:34	44.4	13:05:21
13	2012/10/23	13:06:01	00:01:00.0	00:01:00.0	00:00:00.0	40.6	39.1	13:06:23	43.7	13:06:14
14	2012/10/23	13:07:02	00:01:00.0	00:01:00.0	00:00:00.0	40.9	38.6	13:07:54	43.9	13:07:34
15	2012/10/23	13:08:02	00:01:00.0	00:01:00.0	00:00:00.0	40.9	38.3	13:08:18	48.3	13:08:25
16	2012/10/23	13:09:02	00:01:00.0	00:01:00.0	00:00:00.0	43.5	38.9	13:09:10	50.0	13:09:28
17	2012/10/23	13:10:02	00:01:00.0	00:01:00.0	00:00:00.0	41.4	39.3	13:10:11	45.0	13:10:06
18	2012/10/23	13:11:02	00:01:00.0	00:01:00.0	00:00:00.0	43.2	39.7	13:11:13	47.2	13:11:33
19	2012/10/23	13:12:02	00:01:00.0	00:01:00.0	00:00:00.0	42.6	40.1	13:12:58	45.5	13:12:31
20	2012/10/23	13:13:03	00:01:00.0	00:01:00.0	00:00:00.0	41.5	38.0	13:13:19	49.7	13:13:07
21	2012/10/23	13:14:03	00:00:29.6	00:00:29.6	00:00:00.0	41.7	38.1	13:14:10	48.3	13:14:27

Summary

Filename	831_Data.036
Serial Number	1742
Model	831
Firmware Version	2.000
User	
Location	4
Job Description	Park to Playa Trail
Note	
Measurement Description	
Start	2012/10/23 14:08:23
Stop	2012/10/23 14:28:26
Duration	0:20:01.4
Run Time	0:20:01.4
Pause	0:00:00.0

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRM831
Integration Method	Linear
Gain	0.0 dB
Overload	143.9 dB

	A	C
Under Range Peak	76.3	73.3 dB
Under Range Limit	26.3	26.6 dB
Noise Floor	17.2	17.5 dB

Results

LAeq	61.0 dB	
LAE	91.8 dB	
EA	169.132 $\mu\text{Pa}^2\text{h}$	
LApeak (max)	2012/10/23 14:17:16	94.2
LASmax	2012/10/23 14:19:27	69.6
LASmin	2012/10/23 14:24:42	43.7

Statistics

LAS5.00	65.7 dB
LAS10.00	64.6 dB
LAS33.30	61.6 dB
LAS50.00	59.8 dB
LAS66.60	57.4 dB
LAS90.00	50.9 dB

Record #	Date	Time	Duration	Run Time	Pause	LAeq	LASmin	Time	LASmax	Time
1	2012/10/23	14:08:23	00:00:36.2	00:00:36.2	00:00:00.0	58.9	48.4	14:08:44	65.1	14:08:59
2	2012/10/23	14:09:00	00:01:00.0	00:01:00.0	00:00:00.0	62.5	47.8	14:09:31	67.2	14:09:44
3	2012/10/23	14:10:00	00:01:00.0	00:01:00.0	00:00:00.0	57.7	47.5	14:10:26	63.2	14:10:01
4	2012/10/23	14:11:00	00:01:00.0	00:01:00.0	00:00:00.0	60.2	47.0	14:11:56	66.4	14:11:14
5	2012/10/23	14:12:00	00:01:00.0	00:01:00.0	00:00:00.0	60.7	50.5	14:12:00	64.7	14:12:25
6	2012/10/23	14:13:00	00:01:00.0	00:01:00.0	00:00:00.0	61.4	47.5	14:13:03	66.8	14:13:53
7	2012/10/23	14:14:00	00:01:00.0	00:01:00.0	00:00:00.0	60.2	47.9	14:14:58	64.4	14:14:24
8	2012/10/23	14:15:00	00:01:00.0	00:01:00.0	00:00:00.0	61.0	45.9	14:15:06	65.9	14:15:41
9	2012/10/23	14:16:00	00:01:00.0	00:01:00.0	00:00:00.0	59.9	51.3	14:16:46	63.4	14:16:29
10	2012/10/23	14:17:00	00:01:00.0	00:01:00.0	00:00:00.0	62.3	57.9	14:17:05	67.3	14:17:17
11	2012/10/23	14:18:00	00:01:00.0	00:01:00.0	00:00:00.0	56.7	44.8	14:18:47	64.6	14:18:32
12	2012/10/23	14:19:01	00:01:00.0	00:01:00.0	00:00:00.0	63.7	50.5	14:19:12	69.6	14:19:27
13	2012/10/23	14:20:01	00:01:00.0	00:01:00.0	00:00:00.0	59.6	46.1	14:20:52	66.6	14:20:03
14	2012/10/23	14:21:01	00:01:00.0	00:01:00.0	00:00:00.0	63.4	53.4	14:21:03	67.2	14:21:31
15	2012/10/23	14:22:01	00:01:00.0	00:01:00.0	00:00:00.0	63.2	56.1	14:22:28	67.8	14:22:50
16	2012/10/23	14:23:01	00:01:00.0	00:01:00.0	00:00:00.0	61.9	52.7	14:23:30	67.2	14:23:19
17	2012/10/23	14:24:01	00:01:00.0	00:01:00.0	00:00:00.0	57.8	43.7	14:24:42	63.5	14:24:58
18	2012/10/23	14:25:01	00:01:00.0	00:01:00.0	00:00:00.0	62.3	56.4	14:25:19	66.8	14:25:06
19	2012/10/23	14:26:01	00:01:00.0	00:01:00.0	00:00:00.0	59.7	47.2	14:26:39	65.3	14:26:59
20	2012/10/23	14:27:01	00:01:00.0	00:01:00.0	00:00:00.0	59.9	45.8	14:27:45	66.7	14:27:03
21	2012/10/23	14:28:01	00:00:25.2	00:00:25.2	00:00:00.0	57.0	53.0	14:28:08	60.8	14:28:03