

Appendix B: Baseline Noise and Vibration Data

Start Time	Measurement Time	L _{Aeq} (dB)	L _{AFMax} (dB)	L _{A10} (dB)	L _{A90} (dB)
16/11/2016 14:00:20	00d 00:15:00.0	69.6	89.9	70.1	62.5
16/11/2016 14:15:20	00d 00:15:00.0	72.4	84.1	76.1	63.6
16/11/2016 14:30:20	00d 00:15:00.0	71.9	83.7	75.4	62.8
16/11/2016 14:45:20	00d 00:15:00.0	73.9	82.2	78.3	64.7
16/11/2016 15:00:20	00d 00:15:00.0	73.5	85.2	77.8	63.7
16/11/2016 15:15:20	00d 00:15:00.0	75.0	94.2	77.6	64.4
16/11/2016 15:30:20	00d 00:15:00.0	69.4	83.1	72.2	63.7
16/11/2016 15:45:20	00d 00:15:00.0	68.6	80.5	71.7	62.7
16/11/2016 16:00:20	00d 00:15:00.0	69.5	85.2	71.8	63.6
16/11/2016 16:15:20	00d 00:15:00.0	67.1	80.1	70.0	62.2
16/11/2016 16:30:20	00d 00:15:00.0	66.6	76.6	69.1	63.2
16/11/2016 16:45:20	00d 00:15:00.0	67.3	87.6	69.3	63.3
16/11/2016 17:00:20	00d 00:15:00.0	68.6	87.0	70.3	63.9
16/11/2016 17:15:20	00d 00:15:00.0	69.1	86.1	70.7	64.3
16/11/2016 17:30:20	00d 00:15:00.0	67.6	88.0	70.3	62.3
16/11/2016 17:45:20	00d 00:15:00.0	68.0	85.7	70.5	63.3
16/11/2016 18:00:20	00d 00:15:00.0	69.2	88.9	71.9	63.3
16/11/2016 18:15:20	00d 00:15:00.0	69.2	82.0	72.5	63.0
16/11/2016 18:30:20	00d 00:15:00.0	69.3	86.1	72.0	63.5
16/11/2016 18:45:20	00d 00:15:00.0	71.4	90.8	72.6	62.5
16/11/2016 19:00:20	00d 00:15:00.0	68.7	77.6	71.9	63.5
16/11/2016 19:15:20	00d 00:15:00.0	73.2	96.0	72.3	63.2
16/11/2016 19:30:20	00d 00:15:00.0	67.7	82.1	70.2	63.0
16/11/2016 19:45:20	00d 00:15:00.0	67.7	81.1	70.7	62.0

Start Time	Measurement Time	L _{Aeq} (dB)	L _{AFMax} (dB)	L _{A10} (dB)	L _{A90} (dB)
16/11/2016 20:00:20	00d 00:15:00.0	66.6	73.9	69.9	60.9
16/11/2016 20:15:20	00d 00:15:00.0	67.3	88.6	70.3	61.8
16/11/2016 20:30:20	00d 00:15:00.0	68.2	84.0	70.6	61.1
16/11/2016 20:45:20	00d 00:15:00.0	66.8	84.6	70.3	60.7
16/11/2016 21:00:20	00d 00:15:00.0	69.0	87.8	70.9	61.2
16/11/2016 21:15:20	00d 00:15:00.0	66.2	73.1	69.4	60.3
16/11/2016 21:30:20	00d 00:15:00.0	66.4	80.5	69.2	60.2
16/11/2016 21:45:20	00d 00:15:00.0	67.3	82.8	69.4	61.2
16/11/2016 22:00:20	00d 00:15:00.0	65.6	79.9	68.4	60.4
16/11/2016 22:15:20	00d 00:15:00.0	67.8	88.2	68.7	60.6
16/11/2016 22:30:20	00d 00:15:00.0	68.2	89.1	68.5	62.2
16/11/2016 22:45:20	00d 00:15:00.0	66.4	81.8	69.0	61.3
16/11/2016 23:00:20	00d 00:15:00.0	65.3	81.9	67.6	61.4
16/11/2016 23:15:20	00d 00:15:00.0	65.9	80.2	68.2	61.8
16/11/2016 23:30:20	00d 00:15:00.0	71.2	94.5	69.0	61.8
16/11/2016 23:45:20	00d 00:15:00.0	69.7	91.0	69.1	61.1
17/11/2016 00:00:20	00d 00:15:00.0	66.6	84.1	68.1	61.6
17/11/2016 00:15:20	00d 00:15:00.0	65.5	79.3	67.9	60.6
17/11/2016 00:30:20	00d 00:15:00.0	65.2	75.3	67.6	61.6
17/11/2016 00:45:20	00d 00:15:00.0	69.6	87.3	71.4	61.4
17/11/2016 01:00:20	00d 00:15:00.0	64.5	76.7	67.7	60.0
17/11/2016 01:15:20	00d 00:15:00.0	64.6	81.7	67.5	58.5
17/11/2016 01:30:20	00d 00:15:00.0	63.9	74.0	67.2	58.6
17/11/2016 01:45:20	00d 00:15:00.0	63.8	73.9	67.3	58.0
17/11/2016 02:00:20	00d 00:15:00.0	69.5	78.0	73.4	58.9

Start Time	Measurement Time	L _{Aeq} (dB)	L _{AFMax} (dB)	L _{A10} (dB)	L _{A90} (dB)
17/11/2016 02:15:20	00d 00:15:00.0	63.1	72.7	66.6	56.3
17/11/2016 02:30:20	00d 00:15:00.0	62.7	74.6	66.4	54.6
17/11/2016 02:45:20	00d 00:15:00.0	63.3	81.9	66.6	55.7
17/11/2016 03:00:20	00d 00:15:00.0	63.7	84.6	67.6	55.2
17/11/2016 03:15:20	00d 00:15:00.0	62.5	72.4	66.2	55.4
17/11/2016 03:30:20	00d 00:15:00.0	62.5	75.1	65.8	56.0
17/11/2016 03:45:20	00d 00:15:00.0	63.0	72.3	66.2	55.9
17/11/2016 04:00:20	00d 00:15:00.0	62.9	73.0	66.2	56.1
17/11/2016 04:15:20	00d 00:15:00.0	65.5	86.5	66.8	57.2
17/11/2016 04:30:20	00d 00:15:00.0	63.6	74.6	66.8	57.2
17/11/2016 04:45:20	00d 00:15:00.0	64.3	75.8	67.4	57.9
17/11/2016 05:00:20	00d 00:15:00.0	66.7	86.8	69.1	58.2
17/11/2016 05:15:20	00d 00:15:00.0	66.1	84.9	68.8	58.7
17/11/2016 05:30:20	00d 00:15:00.0	65.9	81.9	69.3	59.5
17/11/2016 05:45:20	00d 00:15:00.0	65.6	83.5	68.5	60.9
17/11/2016 06:00:20	00d 00:15:00.0	65.6	75.5	68.5	59.8
17/11/2016 06:15:20	00d 00:15:00.0	67.1	78.0	70.1	61.5
17/11/2016 06:30:20	00d 00:15:00.0	67.4	76.8	70.0	63.3
17/11/2016 06:45:20	00d 00:15:00.0	66.6	76.6	69.5	62.2
17/11/2016 07:00:20	00d 00:15:00.0	67.5	76.1	70.2	63.7
17/11/2016 07:15:20	00d 00:15:00.0	67.4	79.3	70.1	62.9
17/11/2016 07:30:20	00d 00:15:00.0	70.2	92.8	71.2	62.8
17/11/2016 07:45:20	00d 00:15:00.0	70.6	93.9	70.8	63.6
17/11/2016 08:00:20	00d 00:15:00.0	67.2	80.6	69.9	62.7
17/11/2016 08:15:20	00d 00:15:00.0	68.4	77.1	70.9	64.8

Start Time	Measurement Time	L _{Aeq} (dB)	L _{AFMax} (dB)	L _{A10} (dB)	L _{A90} (dB)
17/11/2016 08:30:20	00d 00:15:00.0	69.3	82.7	71.7	65.3
17/11/2016 08:45:20	00d 00:15:00.0	68.3	79.6	70.4	65.5
17/11/2016 09:00:20	00d 00:15:00.0	68.6	86.4	70.9	64.3
17/11/2016 09:15:20	00d 00:15:00.0	67.7	78.7	70.7	63.0
17/11/2016 09:30:20	00d 00:15:00.0	69.4	90.3	70.5	62.9
17/11/2016 09:45:20	00d 00:15:00.0	69.0	83.1	71.4	65.0
17/11/2016 10:00:20	00d 00:15:00.0	70.7	81.0	73.1	66.6
17/11/2016 10:15:20	00d 00:15:00.0	69.5	90.3	70.7	64.5
17/11/2016 10:30:20	00d 00:15:00.0	69.0	83.5	70.8	66.2
17/11/2016 10:45:20	00d 00:15:00.0	68.3	83.7	70.5	64.8
17/11/2016 11:00:20	00d 00:15:00.0	68.0	81.0	70.5	64.5
17/11/2016 11:15:20	00d 00:15:00.0	67.8	90.8	69.4	65.0
17/11/2016 11:30:20	00d 00:15:00.0	67.7	80.1	69.5	64.4
17/11/2016 11:45:20	00d 00:15:00.0	67.4	78.7	69.7	64.2
17/11/2016 12:00:20	00d 00:15:00.0	67.7	83.2	69.4	65.2
17/11/2016 12:15:20	00d 00:15:00.0	68.2	89.0	69.4	64.6
17/11/2016 12:30:20	00d 00:15:00.0	73.0	91.5	73.1	65.3
17/11/2016 12:45:20	00d 00:15:00.0	68.4	86.6	70.2	65.6
17/11/2016 13:00:20	00d 00:15:00.0	67.9	80.2	69.5	65.9
17/11/2016 13:15:20	00d 00:15:00.0	67.8	82.8	69.9	65.2
17/11/2016 13:30:20	00d 00:15:00.0	67.9	83.0	70.0	64.4
17/11/2016 13:45:20	00d 00:01:50.0	67.8	79.5	69.9	63.5

DAYTIME

VDV	1 Hour		
<i>Hour 1</i>	0.018	0.02	0.019
<i>Hour 2</i>	0.019	0.021	0.02
<i>Hour 3</i>	0.019	0.022	0.02
<i>Hour 4</i>	0.019	0.022	0.02
<i>Hour 5</i>	0.019	0.022	0.02
<i>Hour 6</i>	0.019	0.022	0.02
<i>Hour 7</i>	0.019	0.022	0.02
<i>Hour 8</i>	0.019	0.022	0.02
<i>Hour 9</i>	0.019	0.022	0.02
<i>Hour 10</i>	0.019	0.022	0.02
<i>Hour 11</i>	0.019	0.022	0.02
<i>Hour 12</i>	0.019	0.022	0.02
<i>Hour 13</i>	0.019	0.022	0.02
<i>Hour 14</i>	0.019	0.022	0.02
<i>Hour 15</i>	0.019	0.022	0.02
<i>Hour 16</i>	0.019	0.022	0.02

VDV 16hr **0.044** **$ms^{-1.75}$**

NIGHT-TIME

VDV	1 Hour		
<i>Hour 1</i>	0.02	0.022	0.02
<i>Hour 2</i>	0.019	0.022	0.02
<i>Hour 3</i>	0.02	0.022	0.02
<i>Hour 4</i>	0.02	0.022	0.02
<i>Hour 5</i>	0.02	0.022	0.02
<i>Hour 6</i>	0.019	0.022	0.02
<i>Hour 7</i>	0.019	0.022	0.02
<i>Hour 8</i>	0.019	0.022	0.02

VDV 8hr **0.037** **$ms^{-1.75}$**

PPV **0.675** **$ms^{-1.75}$**