

# Appendix A

## Unattended noise and traffic logging location maps



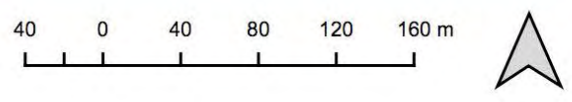


**FOXGROUND BERRY BYPASS  
Post Construction Noise Assessment**

Operator-attended noise  
measurement locations

- Measurement locations**
- Unattended noise logging
  - Classified traffic logging

Date: 30 May 2018  
 Client: Roads and Maritime Services  
 Project: S180187  
 Drawn by: POH  
 CRS: EPSG:28356





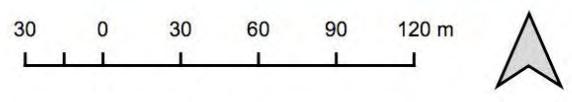


**FOXGROUND BERRY BYPASS**  
**Post Construction Noise Assessment**

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- Unattended noise logging
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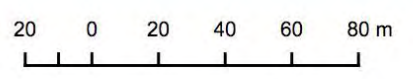


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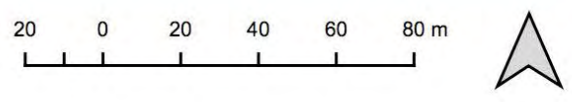


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**Post Construction Noise Assessment**

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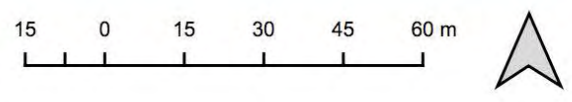


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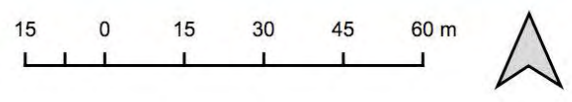


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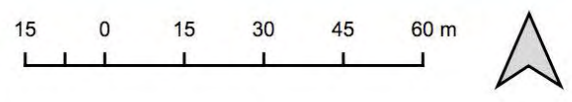


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**Post Construction Noise Assessment**

Operator-attended noise measurement locations

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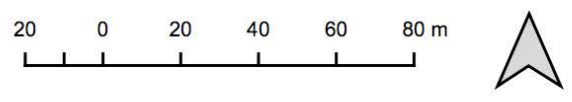


**FOXGROUND BERRY BYPASS**  
**Post Construction Noise Assessment**

Operator-attended noise measurement locations

- Measurement locations**
- Unattended noise logging
  - Classified traffic logging

Date: 30 May 2018  
 Client: Roads and Maritime Services  
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 Drawn by: POH  
 CRS: EPSG:28356





# Appendix B

## Noise criteria for noise-sensitive land uses and D&C predicted road traffic noise levels



The following is taken from the D&C Operational Road Traffic Noise Assessment dated March 2015:

Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
1	GF	Redeveloped	60	55	67	62	68	63	64	58	65	59
2	GF	New Road	55	50	44	45	45	46	41	41	42	43
3	GF	Redeveloped	60	55	68	59	69	61	65	56	66	57
4	GF	New Road	55	50	41	44	42	45	38	40	39	42
5	GF	Redeveloped	60	55	62	58	63	59	59	54	60	55
6	GF	Redeveloped	60	55	66	56	67	58	62	53	63	54
7	GF	Redeveloped	60	55	57	53	58	54	53	49	54	50
8	GF	Redeveloped	60	55	58	53	59	54	54	49	55	50
9	GF	Redeveloped	60	55	57	52	58	54	53	49	54	50
10	GF	Redeveloped	60	55	56	46	57	48	53	42	54	44
11	GF	New Road	55	50	52	53	53	55	49	49	50	50
11a	GF	New Road	55	50	45	51	46	52	42	47	43	48
12	GF	Redeveloped	60	55	56	49	57	51	53	46	54	47
13	GF	Redeveloped	60	55	63	49	64	51	60	46	61	47
14	GF	New Road	55	50	52	53	53	54	49	48	50	50
14a	GF	Redeveloped	60	55	54	56	55	57	51	53	52	54
15	GF	Redeveloped	60	55	55	48	56	50	52	44	53	46
16	GF	Redeveloped	60	55	59	52	60	53	56	48	57	49
17	GF	New Road	55	50	52	48	53	50	48	44	49	46
17a	GF	Redeveloped	60	55	59	59	60	60	56	55	57	56



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
18	GF	New Road	55	50	51	47	52	49	48	43	49	45
19	GF	Redeveloped	60	55	57	56	58	57	54	52	55	53
20	GF	Redeveloped	60	55	57	54	58	56	54	50	55	51
21	GF	Redeveloped	60	55	60	53	61	54	57	48	58	50
22	GF	Redeveloped	60	55	55	51	56	53	52	47	53	49
22a	GF	Redeveloped	60	55	55	60	56	62	52	58	53	59
23	GF	New Road	55	50	53	55	54	56	49	51	50	52
24	GF	Redeveloped	60	55	56	53	58	55	53	49	54	50
25	GF	New Road	55	50	56	60	57	61	53	56	54	57
26	GF	New Road	55	50	48	48	49	50	44	45	45	46
27	GF	New Road	55	50	44	50	45	52	41	46	42	48
28	GF	New Road	55	50	53	57	55	58	50	53	51	54
29	GF	New Road	55	50	53	56	54	58	49	52	50	54
30	GF	New Road	55	50	55	56	56	57	51	52	52	53
31	GF	Redeveloped	60	55	61	57	62	59	58	53	59	54
32	GF	Redeveloped	60	55	56	53	57	55	53	49	54	50
33	GF	Redeveloped	60	55	56	54	57	55	53	50	54	51
33a	GF	Redeveloped	60	55	59	60	60	62	56	57	57	58
34	GF	New Road	55	50	52	50	54	51	49	46	50	47
35	GF	New Road	55	50	52	51	53	53	48	47	49	49
36	GF	Redeveloped	60	55	56	53	57	55	53	50	54	51



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
37	GF	Redeveloped	60	55	55	53	56	55	52	50	53	51
38	GF	Redeveloped	60	55	60	60	61	62	57	56	58	57
39	GF	Redeveloped	60	55	56	52	57	53	52	48	53	49
40	GF	New Road	55	50	50	48	51	49	47	44	48	45
41	GF	Redeveloped	60	55	59	59	60	61	56	55	57	56
42	GF	Redeveloped	60	55	55	55	56	57	52	51	53	52
43	GF	New Road	55	50	53	51	54	53	49	47	50	49
44	GF	New Road	55	50	47	44	48	45	44	40	45	41
45	GF	New Road	55	50	45	41	46	43	42	37	43	38
46	GF	Redeveloped	60	55	56	51	57	53	53	47	53	48
47	GF	New Road	55	50	44	40	45	41	41	36	42	37
48	GF	Redeveloped	60	55	54	47	55	48	51	43	52	44
49	GF	New Road	55	50	50	48	51	49	46	44	47	45
50	GF	New Road	55	50	53	51	54	53	50	47	51	48
51	GF	Redeveloped	60	55	55	52	56	53	52	48	53	49
52	GF	New Road	55	50	49	46	50	48	45	43	46	44
53	GF	Redeveloped	60	55	57	57	58	58	54	53	55	54
54	GF	New Road	55	50	50	49	51	51	47	45	48	46
55	GF	New Road	55	50	51	49	52	51	47	45	48	47
56	GF	Redeveloped	60	55	59	59	60	60	55	55	56	56
57	GF	Redeveloped	60	55	58	53	59	55	55	50	56	51



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
58	GF	Redeveloped	60	55	61	58	62	60	58	55	59	56
59	GF	Redeveloped	60	55	54	56	55	58	51	54	52	55
60	GF	Redeveloped	60	55	56	54	57	55	53	50	54	51
61	GF	Redeveloped	60	55	56	53	57	54	53	49	54	50
62	GF	Redeveloped	60	55	56	61	57	62	53	58	54	60
63	GF	Redeveloped	60	55	56	60	58	61	53	57	54	58
64	GF	Redeveloped	60	55	56	61	57	62	53	58	54	59
65	GF	Redeveloped	60	55	61	56	62	57	58	52	59	53
67	GF	Redeveloped	60	55	65	56	66	58	61	52	62	54
68	GF	Redeveloped	60	55	68	57	69	59	65	53	66	55
69	GF	New Road	55	50	58	58	59	59	51	51	52	51
70	GF	Redeveloped	60	55	69	57	71	59	66	53	67	55
71	GF	New Road	55	50	56	56	57	57	49	49	50	50
72	GF	Redeveloped	60	55	62	59	63	60	55	52	56	53
73	GF	New Road	55	50	56	56	57	58	51	51	52	53
74	GF	Redeveloped	60	55	63	61	64	61	57	53	58	54
75	GF	Redeveloped	60	55	64	60	66	60	60	53	61	54
76	GF	New Road	55	50	53	48	55	49	49	43	50	44
77	GF	New Road	55	50	51	48	53	49	47	43	48	44
78	GF	New Road	55	50	53	48	54	49	50	44	50	45
79	GF	New Road	55	50	69	59	70	61	66	56	67	57



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
80	GF	Redeveloped	60	55	61	53	62	54	58	49	59	51
81	GF	New Road	55	50	47	44	48	45	43	39	44	40
82	GF	New Road	55	50	50	47	51	48	45	42	46	43
83	GF	Redeveloped	60	55	58	51	59	53	55	48	56	49
84	GF	New Road	55	50	49	47	51	48	45	41	46	43
85	GF	New Road	55	50	64	56	65	57	62	52	62	53
86	GF	Redeveloped	60	55	60	54	61	55	57	50	58	51
87	GF	Redeveloped	60	55	58	53	59	54	55	49	55	50
88	GF	New Road	55	50	49	47	50	48	45	42	46	44
89	GF	New Road	55	50	51	46	52	48	47	43	48	45
90	GF	Redeveloped	60	55	57	52	58	53	54	48	55	50
91	GF	New Road	55	50	53	49	54	50	50	45	51	46
92	GF	New Road	55	50	54	54	55	55	49	48	50	49
93	GF	New Road	55	50	51	57	52	59	47	54	48	55
94	GF	Redeveloped	60	55	59	54	60	56	56	51	57	52
95	GF	New Road	55	50	63	58	64	58	60	55	61	55
96	GF	New Road	55	50	58	60	59	60	52	57	52	58
97	GF	New Road	55	50	68	62	69	64	65	59	65	61
98	GF	New Road	55	50	71	65	72	67	68	62	69	64
99	GF	New Road	55	50	58	54	59	55	54	51	55	52
100	GF	New Road	55	50	53	55	54	55	49	51	50	52



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
101	GF	Redeveloped	60	55	61	56	62	57	58	53	58	54
102	GF	New Road	55	50	56	60	57	60	49	57	50	57
103	GF	Redeveloped	60	55	64	58	65	60	61	55	61	57
104	GF	Redeveloped	60	55	54	53	55	54	51	49	52	50
105	GF	Redeveloped	60	55	66	60	67	62	62	57	63	58
106	GF	Redeveloped	60	55	55	52	56	53	51	49	52	50
107	GF	Redeveloped	60	55	56	52	57	53	53	49	54	50
108	GF	New Road	55	50	67	61	68	63	64	58	64	59
109	GF	New Road	55	50	50	51	51	52	47	47	48	48
110	GF	New Road	55	50	50	54	51	56	47	51	48	52
111	GF	Redeveloped	60	55	60	55	61	56	57	52	57	53
112	GF	New Road	55	50	48	49	49	51	44	46	45	47
113	GF	Redeveloped	60	55	59	54	60	55	56	51	57	52
114	GF	Redeveloped	60	55	55	50	56	52	52	47	52	48
115	GF	New Road	55	50	72	66	73	67	69	63	69	64
116	GF	New Road	55	50	52	55	53	56	47	52	48	52
117	GF	New Road	55	50	50	52	51	52	47	48	48	49
118	GF	New Road	55	50	71	66	72	67	68	63	69	64
119	GF	New Road	55	50	53	55	54	56	46	52	47	53
120	GF	New Road	55	50	51	49	52	50	48	45	49	47
121	GF	New Road	55	50	53	50	55	51	50	46	51	48



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
122	GF	New Road	55	50	53	49	54	50	50	46	51	47
123	GF	New Road	55	50	49	45	50	47	46	42	47	43
124	GF	New Road	55	50	52	49	53	51	49	46	50	47
125	GF	New Road	55	50	73	67	74	68	70	64	71	65
126	GF	New Road	55	50	51	48	52	50	48	45	49	46
127	GF	New Road	55	50	47	48	48	50	43	45	43	46
128	GF	New Road	55	50	48	43	48	46	45	41	45	43
129	GF	New Road	55	50	50	46	51	48	47	42	48	44
130	GF	New Road	55	50	50	46	51	48	47	43	48	45
131	GF	New Road	55	50	50	47	51	49	47	43	48	45
132	GF	Redeveloped	60	55	56	51	57	53	53	48	54	50
133	GF	New Road	55	50	52	49	53	50	49	45	50	47
134	GF	New Road	55	50	75	68	75	69	71	65	72	66
135	GF	New Road	55	50	49	46	50	48	46	42	47	44
136	GF	New Road	55	50	50	46	51	49	47	43	48	45
137	GF	New Road	55	50	49	49	50	50	46	45	47	47
138	GF	New Road	55	50	58	61	59	61	50	58	51	58
139	GF	New Road	55	50	48	44	49	47	45	41	46	43
140	GF	New Road	55	50	46	42	47	45	43	39	44	41
141	GF	New Road	55	50	52	48	53	49	49	45	50	46
142	GF	New Road	55	50	49	48	50	50	45	45	46	46



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
143	GF	New Road	55	50	49	51	50	52	44	49	45	49
144	GF	New Road	55	50	48	51	49	52	44	48	45	48
145	GF	New Road	55	50	50	51	51	52	46	47	47	49
146	GF	New Road	55	50	45	42	46	44	41	39	42	40
147	GF	New Road	55	50	48	49	50	50	45	46	46	47
148	GF	New Road	55	50	45	43	46	45	42	40	43	42
149	GF	New Road	55	50	50	50	51	51	47	47	48	48
150	GF	New Road	55	50	46	43	47	45	43	40	44	41
151	GF	New Road	55	50	48	45	49	48	45	42	46	44
152	GF	New Road	55	50	46	44	47	46	43	40	44	42
153	GF	New Road	55	50	75	66	76	70	72	65	73	67
154	GF	New Road	55	50	47	48	48	49	44	45	45	46
155	GF	New Road	55	50	46	44	47	46	43	40	44	42
156	GF	New Road	55	50	48	46	49	47	45	42	46	44
157	GF	New Road	55	50	46	44	47	45	43	40	44	42
158	GF	New Road	55	50	51	48	52	50	48	46	49	47
159	GF	New Road	55	50	45	43	46	45	42	40	43	42
160	GF	New Road	55	50	48	45	49	47	45	42	45	43
161	GF	New Road	55	50	47	44	48	46	44	41	45	43
162	GF	New Road	55	50	45	43	46	45	42	40	43	42
163	GF	New Road	55	50	74	68	75	69	71	65	72	66



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
164	GF	New Road	55	50	56	59	57	60	48	57	49	57
165	GF	New Road	55	50	49	46	50	47	46	43	47	44
166	GF	New Road	55	50	45	43	46	45	42	40	43	42
167	GF	New Road	55	50	49	49	50	50	45	46	46	47
168	GF	New Road	55	50	46	43	47	45	43	40	43	41
169	GF	New Road	55	50	44	42	45	44	41	39	42	40
170	GF	New Road	55	50	46	43	47	46	42	40	43	42
171	GF	New Road	55	50	56	59	57	59	48	56	49	57
172	GF	New Road	55	50	49	48	50	49	45	45	46	46
173	GF	New Road	55	50	44	47	45	49	40	43	41	45
174	GF	New Road	55	50	52	48	53	49	49	45	50	46
175	GF	New Road	55	50	44	42	46	44	41	39	42	40
176	GF	New Road	55	50	46	43	47	45	43	40	44	42
177	GF	New Road	55	50	46	43	47	46	43	40	44	42
178	GF	New Road	55	50	44	46	45	48	41	42	41	44
179	GF	New Road	55	50	55	59	56	59	48	56	49	56
180	GF	New Road	55	50	46	43	47	45	43	40	43	41
181	GF	New Road	55	50	72	66	73	68	69	63	69	64
182	GF	New Road	55	50	45	48	46	49	41	44	42	45
183	GF	New Road	55	50	57	60	58	60	49	57	50	58
184	GF	New Road	55	50	46	49	47	50	42	46	43	47



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
185	GF	New Road	55	50	72	66	73	67	68	63	69	64
186	GF	New Road	55	50	45	43	46	45	42	39	43	41
187	GF	New Road	55	50	45	42	46	45	42	39	43	41
188	GF	New Road	55	50	46	43	47	46	43	40	44	42
189	GF	New Road	55	50	44	48	45	49	40	45	41	46
190	GF	New Road	55	50	49	47	50	49	46	44	47	45
191	GF	Redeveloped	60	55	57	51	58	53	53	48	54	50
192	GF	Redeveloped	60	55	64	58	65	60	61	55	62	57
193	GF	New Road	55	50	45	43	46	44	42	39	43	41
194	GF	New Road	55	50	47	47	48	49	44	44	45	45
195	GF	Redeveloped	60	55	65	59	66	61	62	57	63	58
196	GF	New Road	55	50	72	66	73	67	68	63	69	64
197	GF	New Road	55	50	45	48	46	50	41	45	42	46
198	GF	New Road	55	50	55	59	56	59	48	56	49	57
199	GF	New Road	55	50	47	49	48	52	41	46	42	48
200	GF	New Road	55	50	50	47	51	48	47	44	48	45
201	GF	New Road	55	50	46	43	47	45	43	40	44	42
202	GF	New Road	55	50	46	43	47	45	43	39	44	42
203	GF	New Road	55	50	47	44	48	45	44	41	45	42
204	GF	New Road	55	50	72	63	73	68	69	62	70	64
205	GF	New Road	55	50	44	48	45	49	40	45	41	46



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
206	GF	New Road	55	50	47	47	48	49	43	44	44	45
207	GF	New Road	55	50	44	43	46	44	41	39	42	41
208	GF	New Road	55	50	70	64	71	65	67	61	67	62
209	GF	New Road	55	50	72	66	73	68	69	63	69	64
210	GF	New Road	55	50	55	59	56	59	48	56	49	57
211	GF	New Road	55	50	47	48	48	49	43	44	44	46
212	GF	Redeveloped	60	55	54	49	56	51	51	46	52	48
213	GF	New Road	55	50	70	64	71	66	67	61	68	63
214	GF	Redeveloped	60	55	66	60	67	62	63	57	64	59
215	GF	New Road	55	50	44	49	45	50	40	46	40	47
216	GF	New Road	55	50	47	44	48	46	44	41	45	43
217	GF	New Road	55	50	44	43	45	44	41	39	42	41
218	GF	New Road	55	50	53	48	54	50	50	45	51	47
219	GF	New Road	55	50	50	55	51	55	43	52	44	52
220	GF	New Road	55	50	46	48	47	49	43	44	44	45
221	GF	New Road	55	50	48	45	49	46	45	42	45	43
222	GF	New Road	55	50	45	44	46	45	42	40	43	41
223	GF	New Road	55	50	70	64	71	65	67	61	68	62
224	GF	Redeveloped	60	55	59	53	60	55	56	50	56	52
225	GF	New Road	55	50	46	49	47	50	42	46	43	47
226	GF	New Road	55	50	46	48	47	49	43	44	44	46



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
227	GF	New Road	55	50	66	60	67	62	63	57	64	59
228	GF	New Road	55	50	56	60	57	60	48	57	49	57
229	GF	New Road	55	50	47	44	48	46	44	41	45	42
230	GF	New Road	55	50	46	44	47	45	43	41	44	42
231	GF	New Road	55	50	72	63	73	68	69	62	70	64
232	GF	New Road	55	50	53	57	54	58	46	54	46	55
233	GF	New Road	55	50	45	50	46	51	41	46	42	47
234	GF	New Road	55	50	47	48	48	49	43	44	44	46
235	GF	New Road	55	50	45	43	46	45	42	40	43	41
236	GF	New Road	55	50	50	46	50	48	46	43	47	45
237	GF	New Road	55	50	46	50	47	51	42	47	43	48
238	GF	New Road	55	50	45	43	46	45	42	40	43	41
239	GF	New Road	55	50	49	46	50	48	46	43	47	45
240	GF	New Road	55	50	72	66	73	67	68	63	69	64
241	GF	Redeveloped	60	55	56	51	58	53	53	48	54	50
242	GF	New Road	55	50	53	50	54	51	49	46	50	48
243	GF	New Road	55	50	69	63	70	64	66	60	67	61
244	GF	Redeveloped	60	55	56	51	57	53	53	48	54	50
245	GF	New Road	55	50	48	45	49	46	45	42	45	43
246	GF	New Road	55	50	46	44	47	47	43	41	44	43
247	GF	New Road	55	50	70	64	71	66	67	61	68	63



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
248	GF	New Road	55	50	45	43	46	45	42	40	42	41
249	GF	New Road	55	50	49	45	50	47	45	42	46	43
250	GF	New Road	55	50	46	44	47	45	43	40	43	41
251	GF	New Road	55	50	56	60	57	60	48	57	49	57
252	GF	New Road	55	50	48	50	49	51	43	48	44	49
253	GF	New Road	55	50	49	50	50	51	46	47	47	48
254	GF	New Road	55	50	50	49	51	50	46	46	47	47
255	GF	New Road	55	50	54	50	55	52	51	47	52	48
256	GF	Redeveloped	60	55	66	60	67	62	63	57	64	59
257	GF	New Road	55	50	54	58	55	58	46	55	46	55
258	GF	New Road	55	50	51	48	52	50	48	45	48	47
259	GF	Redeveloped	60	55	67	61	68	62	63	58	64	59
260	GF	Redeveloped	60	55	56	51	57	52	53	48	54	49
261	GF	New Road	55	50	49	45	50	47	45	42	46	43
262	GF	New Road	55	50	46	44	48	45	43	40	44	42
263	GF	New Road	55	50	46	43	47	45	43	40	43	41
264	GF	New Road	55	50	45	43	47	45	42	40	43	41
265	GF	New Road	55	50	47	45	48	47	43	41	44	43
266	GF	New Road	55	50	46	44	47	46	43	40	44	42
267	GF	New Road	55	50	47	46	48	48	44	43	45	45
268	GF	New Road	55	50	44	49	45	50	40	46	41	47



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
269	GF	New Road	55	50	68	62	69	64	65	59	66	61
270	GF	New Road	55	50	46	43	47	45	42	40	43	41
271	GF	New Road	55	50	48	46	49	48	45	42	46	44
272	GF	New Road	55	50	53	57	54	58	46	54	46	55
273	GF	New Road	55	50	44	49	45	50	40	46	41	47
274	GF	New Road	55	50	69	63	70	65	66	60	67	62
275	GF	New Road	55	50	46	44	47	45	42	40	43	42
276	GF	New Road	55	50	48	45	50	47	45	42	46	44
277	GF	New Road	55	50	49	48	50	50	46	45	47	46
278	GF	New Road	55	50	67	62	68	63	64	59	65	60
279	GF	New Road	55	50	47	45	48	47	44	42	45	44
280	GF	New Road	55	50	51	55	52	56	44	52	45	53
281	GF	New Road	55	50	45	49	46	51	41	46	42	47
282	GF	Redeveloped	60	55	65	59	66	61	62	56	63	58
283	GF	New Road	55	50	48	45	50	47	45	42	46	43
284	GF	New Road	55	50	68	62	69	63	64	59	65	60
285	GF	New Road	55	50	45	49	46	51	41	45	42	47
286	GF	New Road	55	50	45	44	46	45	42	40	43	42
287	GF	New Road	55	50	46	48	47	49	42	44	43	46
288	GF	New Road	55	50	47	45	48	47	44	42	45	44
289	GF	New Road	55	50	47	46	48	48	44	42	45	44



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
290	GF	New Road	55	50	48	46	49	48	44	42	45	44
291	GF	New Road	55	50	47	45	48	47	43	42	44	43
292	GF	New Road	55	50	48	46	49	48	45	43	46	45
293	GF	New Road	55	50	56	60	57	60	48	57	49	57
294	GF	Redeveloped	60	55	66	60	67	62	63	57	64	58
295	GF	New Road	55	50	50	49	51	50	47	45	48	47
296	GF	New Road	55	50	53	49	54	50	50	46	51	47
297	GF	New Road	55	50	70	64	71	65	67	61	68	62
298	GF	New Road	55	50	46	44	47	45	43	40	44	42
299	GF	New Road	55	50	48	57	49	58	44	53	45	54
300	GF	New Road	55	50	55	59	56	60	48	57	48	57
301	GF	New Road	55	50	45	50	46	51	41	46	42	47
302	GF	New Road	55	50	47	45	48	46	44	41	45	43
303	GF	New Road	55	50	46	43	47	45	42	40	43	41
304	GF	New Road	55	50	56	60	57	60	48	57	49	58
305	GF	New Road	55	50	68	62	69	63	65	59	65	60
306	GF	Redeveloped	60	55	54	49	55	50	51	46	52	47
307	GF	New Road	55	50	52	49	53	50	49	45	50	47
308	GF	New Road	55	50	70	64	71	65	66	61	67	62
309	GF	New Road	55	50	45	43	47	45	42	40	43	41
310	GF	New Road	55	50	46	45	47	47	43	41	44	43

Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
311	GF	New Road	55	50	46	50	47	51	42	46	43	48
312	GF	New Road	55	50	47	46	48	47	44	42	45	44
313	GF	New Road	55	50	47	46	48	48	44	43	45	44
314	GF	New Road	55	50	47	46	48	48	44	43	45	44
315	GF	New Road	55	50	49	47	50	49	46	44	47	46
316	GF	New Road	55	50	58	62	59	62	50	59	51	59
317	GF	New Road	55	50	45	50	46	50	41	45	42	47
318	GF	New Road	55	50	52	48	53	50	49	45	50	47
319	GF	New Road	55	50	54	50	55	51	50	46	51	48
320	GF	New Road	55	50	71	65	72	66	68	62	69	63
321	GF	New Road	55	50	46	44	47	45	43	41	44	42
322	GF	New Road	55	50	68	62	69	64	64	59	65	60
323	GF	New Road	55	50	46	45	47	46	43	41	44	42
324	GF	New Road	55	50	71	65	72	66	68	62	68	63
325	GF	New Road	55	50	53	49	55	51	50	46	51	48
326	GF	New Road	55	50	52	50	53	51	48	46	49	48
327	GF	New Road	55	50	47	47	48	49	44	43	45	45
328	GF	New Road	55	50	49	47	50	49	46	44	47	46
329	GF	New Road	55	50	56	60	57	61	48	57	49	58
330	GF	New Road	55	50	46	40	47	51	42	46	43	47
331	GF	New Road	55	50	70	63	71	65	66	60	67	62



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
332	GF	New Road	55	50	51	47	53	49	48	44	49	46
333	GF	New Road	55	50	46	45	47	46	43	41	44	43
334	GF	New Road	55	50	71	66	73	67	68	63	69	64
335	GF	New Road	55	50	47	46	49	47	44	42	45	44
336	GF	New Road	55	50	53	48	54	50	50	45	51	47
337	GF	New Road	55	50	46	46	47	48	43	42	44	44
338	GF	New Road	55	50	48	46	49	48	45	43	46	45
339	GF	New Road	55	50	48	47	49	48	45	43	46	45
340	GF	New Road	55	50	48	46	49	48	45	43	46	45
341	GF	New Road	55	50	47	46	49	48	44	43	45	44
342	GF	New Road	55	50	56	59	57	60	48	56	49	57
343	GF	New Road	55	50	50	49	51	51	47	46	48	47
344	GF	New Road	55	50	68	62	69	63	65	59	65	60
345	GF	New Road	55	50	69	64	70	65	66	61	67	62
346	GF	Redeveloped	60	55	57	53	58	54	54	50	55	51
347	GF	New Road	55	50	46	51	47	52	41	47	42	49
348	GF	New Road	55	50	53	49	54	51	50	47	51	48
349	GF	New Road	55	50	47	45	48	47	44	42	45	43
350	GF	New Road	55	50	52	56	53	57	44	53	45	54
351	GF	New Road	55	50	71	66	72	67	68	62	69	64
352	GF	New Road	55	50	47	45	49	46	44	42	45	43

Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
353	GF	New Road	55	50	46	51	47	53	42	48	43	49
354	GF	New Road	55	50	70	64	71	65	66	61	67	62
355	GF	New Road	55	50	57	61	58	62	49	59	50	59
356	GF	New Road	55	50	68	62	69	64	65	59	66	61
357	GF	New Road	55	50	51	48	53	50	48	45	49	46
358	GF	New Road	55	50	46	49	47	50	43	45	44	46
359	GF	New Road	55	50	45	49	46	51	42	46	43	47
360	GF	New Road	55	50	52	49	53	50	49	46	50	47
361	GF	New Road	55	50	47	45	48	47	44	42	45	43
362	GF	New Road	55	50	68	62	69	64	65	59	66	61
363	GF	New Road	55	50	71	66	72	67	68	62	69	64
364	GF	New Road	55	50	45	44	47	46	42	41	43	42
365	GF	New Road	55	50	47	46	48	47	44	42	44	44
366	GF	New Road	55	50	53	50	54	51	50	46	51	48
367	GF	New Road	55	50	52	58	53	58	44	55	45	55
368	GF	New Road	55	50	69	63	70	64	65	60	66	61
369	GF	New Road	55	50	49	46	50	47	45	43	46	44
370	GF	New Road	55	50	46	49	47	50	42	46	43	47
371	GF	New Road	55	50	49	48	50	49	46	44	47	46
372	GF	Redeveloped	60	55	66	58	67	62	63	56	64	59
373	GF	New Road	55	50	53	48	54	51	50	46	51	48



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
374	GF	New Road	55	50	56	61	57	62	49	58	49	59
375	GF	New Road	55	50	69	63	70	64	65	60	66	61
376	GF	New Road	55	50	47	45	48	47	44	42	45	44
377	GF	Redeveloped	60	55	57	52	58	54	54	49	55	51
378	GF	New Road	55	50	69	64	70	65	66	61	67	62
379	GF	New Road	55	50	54	50	55	51	50	46	51	48
380	GF	New Road	55	50	70	64	71	66	67	61	68	62
381	GF	New Road	55	50	50	49	51	51	47	46	48	47
382	GF	New Road	55	50	68	60	69	64	65	59	66	61
383	GF	New Road	55	50	46	52	47	54	42	49	43	50
384	GF	New Road	55	50	53	58	54	59	46	54	47	54
385	GF	New Road	55	50	51	50	52	52	48	47	49	48
386	GF	New Road	55	50	57	56	58	58	49	53	50	55
387	GF	New Road	55	50	52	48	53	49	49	45	50	46
388	GF	New Road	55	50	48	51	49	53	44	48	45	50
389	GF	New Road	55	50	47	46	48	48	44	43	45	44
390	GF	New Road	55	50	46	45	47	47	43	42	44	43
391	GF	New Road	55	50	48	46	49	48	45	43	46	44
392	GF	New Road	55	50	48	52	49	53	43	48	44	50
393	GF	New Road	55	50	67	61	68	62	64	58	64	59
394	GF	New Road	55	50	72	66	73	67	69	62	69	64

Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
395	GF	New Road	55	50	54	50	55	52	51	47	52	48
396	GF	New Road	55	50	46	50	47	52	43	46	44	48
397	GF	New Road	55	50	50	50	51	51	47	46	48	48
398	GF	Redeveloped	60	55	55	49	56	52	52	47	53	49
399	GF	New Road	55	50	72	66	73	68	69	63	70	65
400	GF	Redeveloped	60	55	62	57	63	58	59	54	60	55
401	GF	Redeveloped	60	55	58	53	59	54	54	50	55	51
402	GF	New Road	55	50	51	48	52	50	48	45	49	47
403	GF	New Road	55	50	48	51	49	53	45	48	46	49
404	GF	New Road	55	50	70	62	71	66	67	60	68	63
405	GF	New Road	55	50	53	50	54	51	50	46	51	48
406	GF	Redeveloped	60	55	55	50	56	52	51	47	52	48
407	GF	New Road	55	50	49	47	50	48	46	44	47	45
408	GF	New Road	55	50	69	61	70	64	66	59	67	61
409	GF	New Road	55	50	68	62	69	64	65	59	66	61
410	GF	New Road	55	50	47	46	48	48	44	43	45	44
411	GF	New Road	55	50	69	60	70	64	65	59	66	61
412	GF	New Road	55	50	51	49	52	51	48	46	49	48
413	GF	New Road	55	50	68	62	69	64	65	59	66	61
414	GF	New Road	55	50	69	62	70	64	66	59	66	61
415	GF	New Road	55	50	68	62	69	63	64	59	65	60



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
416	GF	New Road	55	50	49	52	50	53	46	47	47	49
417	GF	New Road	55	50	68	62	69	64	65	58	66	61
418	GF	Redeveloped	60	55	57	52	58	54	53	49	54	51
419	GF	New Road	55	50	52	48	53	50	49	45	50	47
420	GF	Redeveloped	60	55	54	50	55	52	51	47	52	48
421	GF	New Road	55	50	69	61	70	64	66	59	67	61
422	GF	New Road	55	50	47	46	49	48	44	43	45	45
423	GF	New Road	55	50	68	60	69	64	65	58	66	61
424	GF	New Road	55	50	50	47	52	49	47	44	48	45
425	GF	New Road	55	50	67	62	68	63	64	59	65	60
426	GF	New Road	55	50	68	60	69	64	65	58	66	61
427	GF	New Road	55	50	66	60	67	62	63	56	64	58
428	GF	New Road	55	50	50	47	51	48	46	44	47	45
429	GF	New Road	55	50	69	63	70	65	66	60	67	62
430	GF	New Road	55	50	63	58	65	59	60	54	61	56
431	GF	New Road	55	50	49	47	50	48	46	43	47	45
432	GF	New Road	55	50	54	51	55	52	51	48	51	49
433	GF	Redeveloped	60	55	58	54	59	55	55	50	56	51
434	GF	New Road	55	50	67	61	68	62	64	56	65	59
435	GF	New Road	55	50	53	53	54	54	48	49	49	50
436	GF	Redeveloped	60	55	65	59	66	61	62	56	62	57

Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
437	GF	New Road	55	50	48	46	49	47	45	43	46	44
439	GF	New Road	55	50	55	57	56	58	52	53	53	54
440	GF	New Road	55	50	48	46	49	48	45	43	45	44
441	GF	New Road	55	50	47	46	48	48	44	43	45	44
442	GF	Redeveloped	60	55	65	59	66	60	61	56	62	57
443	GF	New Road	55	50	52	50	53	52	48	47	49	48
444	GF	New Road	55	50	50	49	51	50	46	45	47	46
445	GF	New Road	55	50	52	56	53	57	50	52	51	53
446	GF	Redeveloped	60	55	64	59	65	60	61	55	62	57
447	GF	New Road	55	50	46	45	47	47	43	42	44	43
448	GF	New Road	55	50	46	46	47	48	43	43	43	44
449	GF	Redeveloped	60	55	65	59	66	61	64	51	64	52
450	GF	Redeveloped	60	55	65	59	66	60	63	51	64	52
451	GF	New Road	55	50	60	59	61	60	58	54	59	55
452	GF	Redeveloped	60	55	60	55	61	56	58	48	58	49
453	GF	New Road	55	50	67	59	68	62	64	57	65	59
454	GF	New Road	55	50	50	49	51	51	47	45	48	47
455	GF	New Road	55	50	52	51	53	53	49	48	50	49
456	GF	Redeveloped	60	55	66	60	67	61	64	52	65	53
457	GF	Redeveloped	60	55	56	50	57	52	54	43	55	44
458	GF	Redeveloped	60	55	68	61	69	62	65	57	66	58



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
459	GF	New Road	55	50	67	62	69	63	66	53	67	54
460	GF	Redeveloped	60	55	58	53	59	54	56	45	57	46
461	GF	Redeveloped	60	55	57	51	58	52	55	43	56	44
462	GF	Redeveloped	60	55	66	60	67	63	64	54	65	55
463	GF	New Road	55	50	47	47	48	48	43	43	44	44
464	GF	New Road	55	50	52	51	53	52	49	47	50	49
465	GF	New Road	55	50	49	48	50	50	46	45	47	46
466	GF	Redeveloped	60	55	63	58	64	59	62	49	62	50
467	GF	Redeveloped	60	55	66	61	67	62	65	53	65	54
468	GF	New Road	55	50	50	50	51	51	47	46	48	47
469	GF	New Road	55	50	59	56	60	57	55	52	56	53
470	GF	Redeveloped	60	55	63	57	64	58	61	49	62	50
471	GF	Redeveloped	60	55	62	57	64	58	61	49	62	50
472	GF	Redeveloped	60	55	62	57	63	58	60	49	61	50
473	GF	Redeveloped	60	55	67	58	68	60	64	54	65	55
474	GF	New Road	55	50	50	50	51	51	47	46	48	47
475	GF	New Road	55	50	52	51	53	53	49	47	50	49
476	GF	Redeveloped	60	55	62	56	63	57	60	48	61	49
477	GF	Redeveloped	60	55	55	53	56	55	52	49	52	51
478	GF	New Road	55	50	50	48	51	50	46	45	47	46
479	GF	Redeveloped	60	55	65	60	66	61	64	51	65	52

Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
480	GF	New Road	55	50	51	50	53	51	49	46	50	47
481	GF	Redeveloped	60	55	58	55	59	56	55	52	56	53
482	GF	Redeveloped	60	55	65	58	66	59	62	55	63	56
483	GF	New Road	55	50	52	50	53	52	48	46	49	48
484	GF	Redeveloped	60	55	55	54	56	55	52	50	52	51
485	GF	Redeveloped	60	55	58	54	59	55	57	46	58	47
486	GF	New Road	55	50	49	47	50	48	46	42	47	43
487	GF	New Road	55	50	52	51	53	52	49	47	50	48
488	GF	Redeveloped	60	55	57	54	58	55	54	50	55	51
489	GF	Redeveloped	60	55	66	60	67	61	63	56	64	57
490	GF	New Road	55	50	52	51	53	52	49	47	50	48
491	GF	Redeveloped	60	55	59	57	60	58	56	53	57	54
492	GF	New Road	55	50	48	48	49	49	44	44	45	45
493	GF	New Road	55	50	51	51	52	53	48	47	49	48
494	GF	Redeveloped	60	55	56	55	57	56	52	51	53	52
495	GF	New Road	55	50	49	48	50	49	45	44	46	45
496	GF	Redeveloped	60	55	54	51	55	51	53	44	54	45
497	GF	New Road	55	50	52	50	53	51	50	44	51	46
498	GF	New Road	55	50	52	51	53	53	49	48	50	49
499	GF	Redeveloped	60	55	57	54	58	56	54	51	55	52
500	GF	Redeveloped	60	55	64	61	65	63	61	58	62	59



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
501	GF	New Road	55	50	51	47	52	48	49	42	50	43
502	GF	New Road	55	50	53	52	54	53	49	48	50	49
503	GF	Redeveloped	60	55	60	56	61	58	56	54	57	55
504	GF	Redeveloped	60	55	54	54	56	55	51	50	52	51
505	GF	New Road	55	50	53	52	54	53	50	48	51	49
506	GF	New Road	55	50	53	53	54	55	50	49	51	51
507	GF	New Road	55	50	52	50	53	52	49	46	50	47
508	GF	New Road	55	50	50	48	51	49	47	44	48	45
509	GF	Redeveloped	60	55	59	56	61	58	56	53	57	55
510	GF	Redeveloped	60	55	63	62	64	63	59	58	60	59
511	GF	New Road	55	50	53	51	54	53	50	48	51	49
512	GF	New Road	55	50	51	50	52	51	48	45	49	46
513	GF	Redeveloped	60	55	59	56	60	57	56	53	56	54
514	GF	Redeveloped	60	55	59	59	60	61	56	56	57	57
515	GF	New Road	55	50	53	53	54	55	50	49	51	51
516	GF	New Road	55	50	50	48	51	50	46	44	47	45
517	GF	New Road	55	50	48	47	49	48	45	42	46	43
518	GF	Redeveloped	60	55	55	53	56	55	52	50	53	51
519	GF	Redeveloped	60	55	56	56	57	57	53	52	53	53
520	GF	New Road	55	50	50	49	51	50	47	45	48	46
521	GF	New Road	55	50	53	51	54	52	49	47	50	48

Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
522	GF	New Road	55	50	51	49	52	51	47	46	48	47
523	GF	New Road	55	50	52	52	53	54	49	48	50	49
524	GF	New Road	55	50	49	48	50	50	46	44	46	46
525	GF	New Road	55	50	51	49	52	50	47	45	48	46
526	GF	New Road	55	50	51	49	52	50	47	45	48	46
527	GF	Redeveloped	60	55	60	60	61	62	57	57	58	58
528	GF	New Road	55	50	51	49	52	51	47	46	48	47
529	GF	Redeveloped	60	55	55	53	56	55	52	49	53	51
530	GF	New Road	55	50	49	48	50	50	46	44	47	46
531	GF	New Road	55	50	54	54	55	55	50	50	51	51
532	GF	New Road	55	50	54	53	55	54	50	49	51	50
533	GF	New Road	55	50	47	46	48	48	44	42	44	43
534	GF	New Road	55	50	45	43	46	44	41	39	42	40
535	GF	New Road	55	50	49	48	50	49	46	44	46	45
536	GF	Redeveloped	60	55	60	60	61	61	56	56	57	57
537	GF	New Road	55	50	53	54	54	55	50	50	51	51
538	GF	New Road	55	50	47	46	48	47	43	42	44	43
539	GF	Redeveloped	60	55	55	53	56	55	52	50	52	51
540	GF	New Road	55	50	49	48	50	49	46	44	46	45
541	GF	New Road	55	50	49	48	50	50	46	44	46	46
542	GF	Redeveloped	60	55	59	59	60	60	56	55	57	56



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
543	GF	New Road	55	50	52	51	53	52	48	47	49	48
544	GF	New Road	55	50	49	47	50	49	45	43	46	45
545	GF	New Road	55	50	49	48	50	49	45	44	46	45
546	GF	New Road	55	50	49	48	50	49	45	44	46	45
547	GF	New Road	55	50	49	48	50	50	45	44	46	46
548	GF	New Road	55	50	49	48	50	49	45	44	46	45
549	GF	New Road	55	50	49	48	50	49	45	44	46	45
550	GF	New Road	55	50	45	43	46	45	41	39	42	40
551	GF	New Road	55	50	51	50	52	52	48	47	49	48
552	GF	New Road	55	50	51	50	52	51	47	46	48	47
553	GF	New Road	55	50	49	47	50	48	45	43	46	44
554	GF	New Road	55	50	48	46	49	48	44	42	45	44
555	GF	New Road	55	50	50	48	51	50	46	44	47	46
556	GF	New Road	55	50	50	48	51	50	46	44	47	46
557	GF	New Road	55	50	48	46	49	48	44	43	45	44
558	GF	Redeveloped	60	55	59	57	60	58	56	53	57	54
559	GF	Redeveloped	60	55	61	59	62	61	58	55	59	57
560	GF	Redeveloped	60	55	61	59	62	61	57	55	58	57
561	GF	Redeveloped	60	55	60	58	61	59	56	54	57	55
562	GF	Redeveloped	60	55	62	60	63	62	59	57	59	58
563	GF	Redeveloped	60	55	58	56	59	57	54	52	55	53

Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
564	GF	Redeveloped	60	55	63	59	64	60	60	55	61	56
565	GF	Redeveloped	60	55	58	56	59	57	55	52	55	53
566	GF	Redeveloped	60	55	55	53	56	54	51	49	52	50
567	GF	Redeveloped	60	55	55	54	56	55	52	50	53	51
568	GF	Redeveloped	60	55	56	54	57	55	52	50	53	51
569	GF	Redeveloped	60	55	56	54	57	55	52	50	53	51
570	GF	Redeveloped	60	55	55	54	57	55	52	50	53	51
571	GF	Redeveloped	60	55	55	54	56	55	52	50	53	51
572	GF	New Road	55	50	53	51	54	52	50	47	50	48
573	GF	New Road	55	50	53	51	55	53	50	47	51	49
574	GF	New Road	55	50	54	52	55	53	50	48	51	49
575	GF	New Road	55	50	54	52	55	53	51	48	51	49
576	GF	Redeveloped	60	55	54	52	55	54	51	48	52	50
577	GF	Redeveloped	60	55	55	53	56	54	51	49	52	50
578	GF	Redeveloped	60	55	58	56	59	58	55	52	56	54
579	GF	Redeveloped	60	55	61	57	62	58	56	52	57	53
580	GF	Redeveloped	60	55	64	59	65	60	58	56	60	57
581	GF	Redeveloped	60	55	65	59	66	60	59	55	60	56
582	GF	Redeveloped	60	55	64	58	65	60	59	55	60	56
583	GF	Redeveloped	60	55	64	57	65	59	58	54	60	56
584	GF	Redeveloped	60	55	63	57	64	59	58	54	60	56



Receiver		Criteria			Day, 7 am to 10 pm, dB L <sub>Aeq,(15-hour)</sub>				Night, 10 pm to 7 am, dB L <sub>Aeq,(9-hour)</sub>			
Reference	Floor	Designation	Day dB L <sub>Aeq,(15-hour)</sub>	Night dB L <sub>Aeq,(9-hour)</sub>	No Build 2017	Build 2017	No Build 2027	Build 2027	No Build 2017	Build 2017	No Build 2027	Build 2027
585	GF	Redeveloped	60	55	63	58	64	59	58	54	59	56
586	GF	Redeveloped	60	55	63	57	64	59	58	54	59	56
587	GF	Redeveloped	60	55	62	57	63	59	57	54	58	55
588	GF	Redeveloped	60	55	61	57	62	59	57	53	58	55
589	GF	Redeveloped	60	55	61	56	62	57	56	52	57	54
590	GF	Redeveloped	60	55	63	59	64	60	61	52	62	53
591	GF	Redeveloped	60	55	57	54	58	55	54	50	55	51

# Appendix C

## Unattended noise logging information

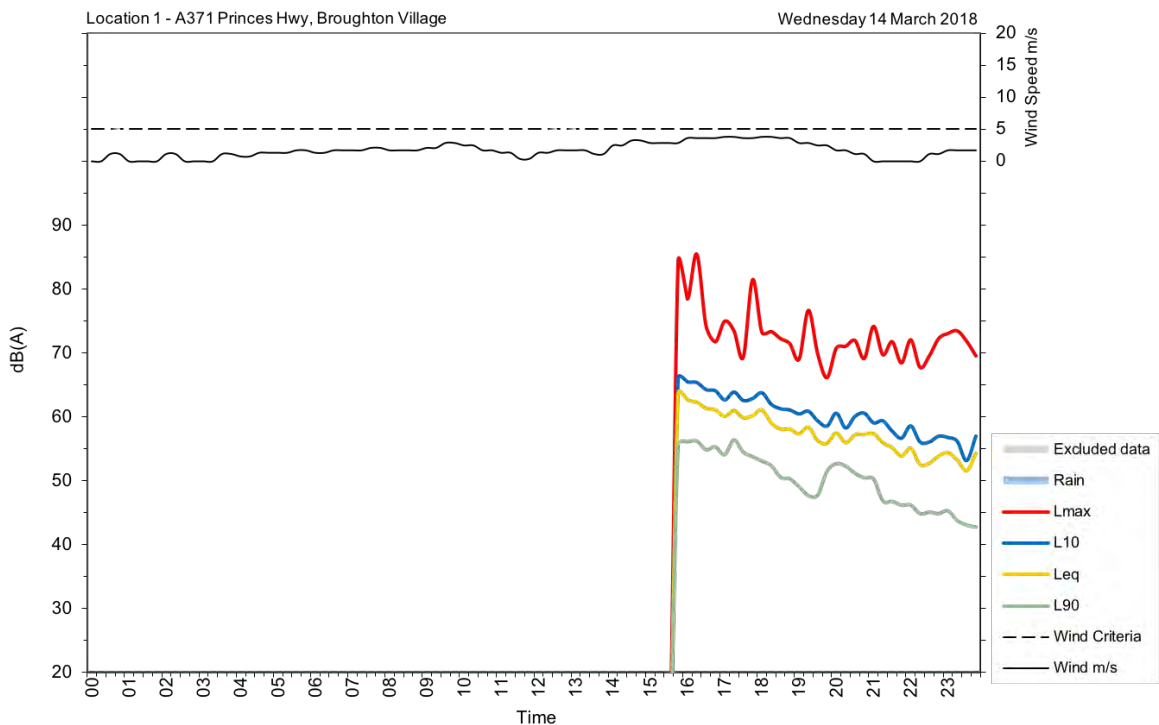


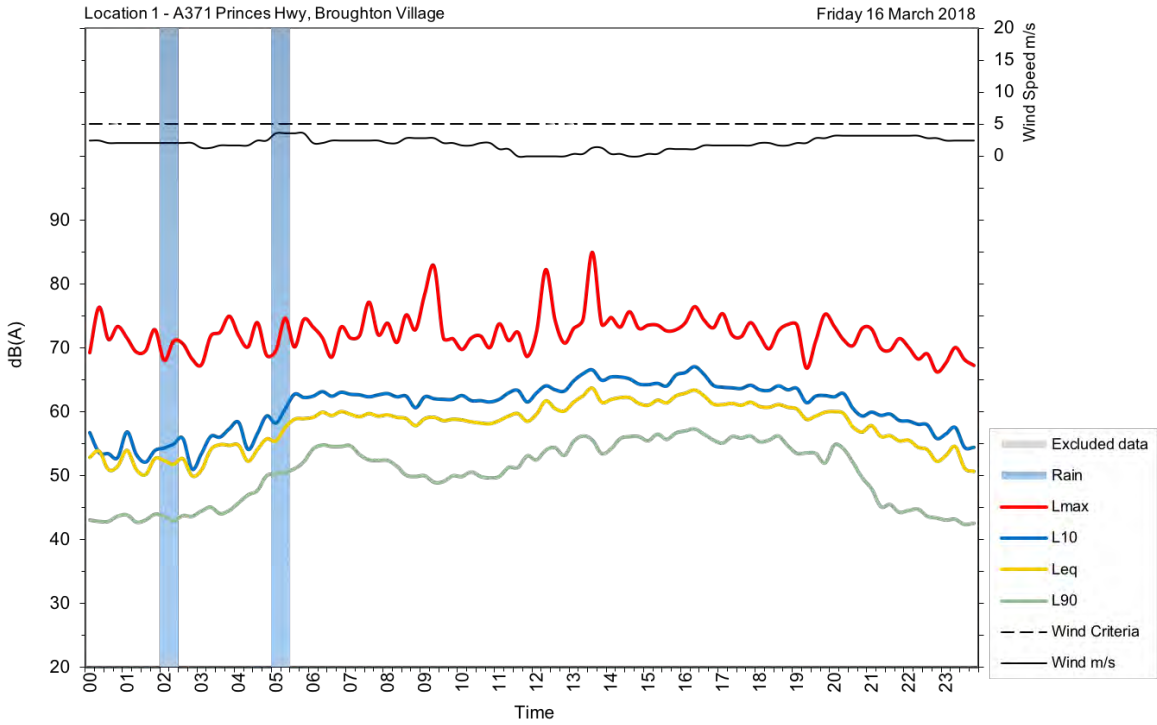
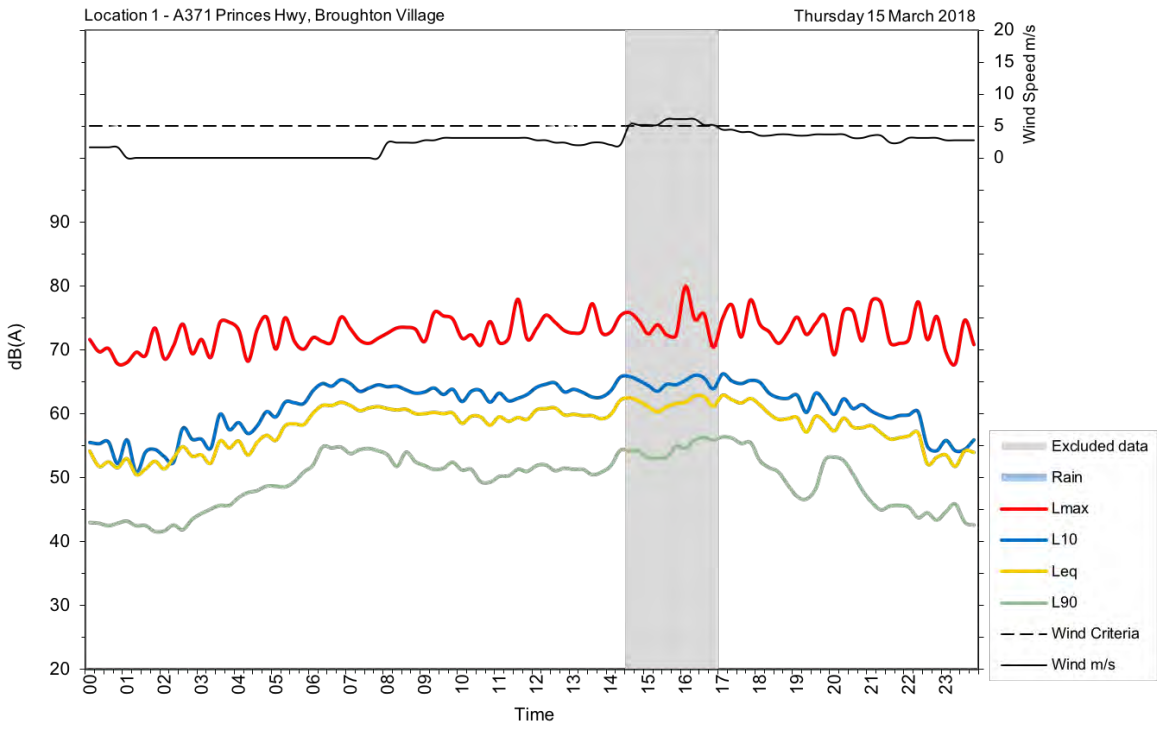
U1

<b>Address/location</b>	A371 Princes Hwy, Broughton Village
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Wednesday, 14 March 2018 to Wednesday, 28 March 2018

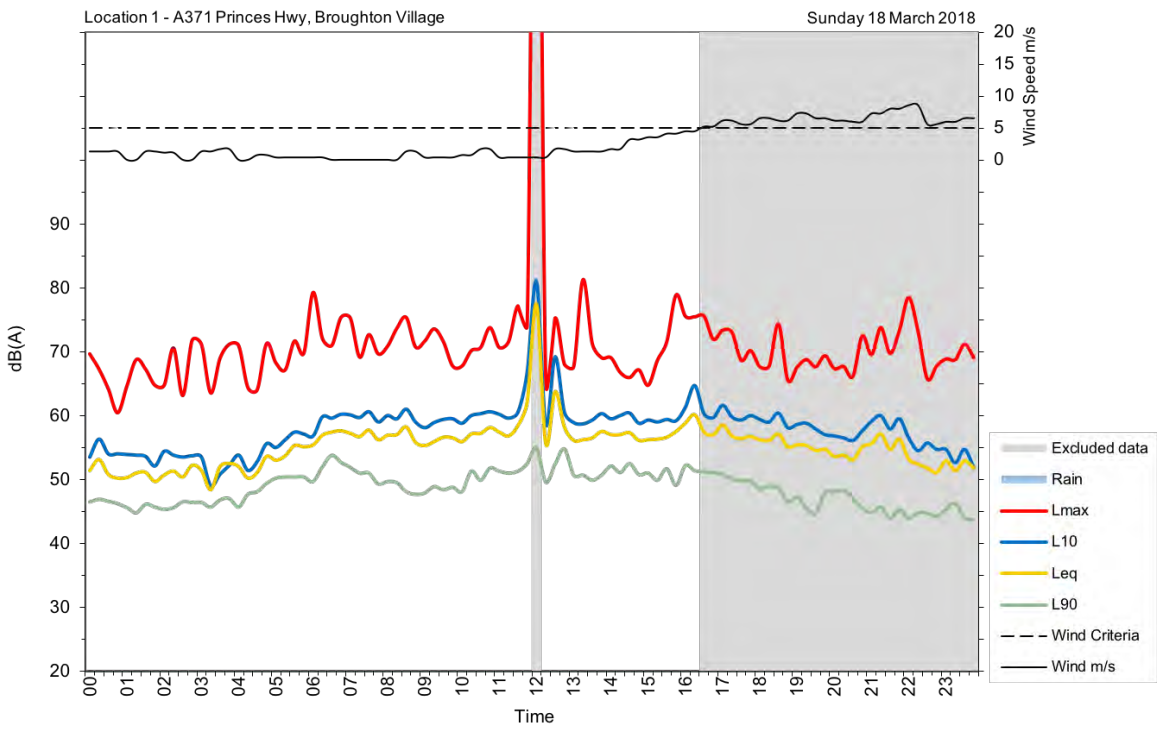
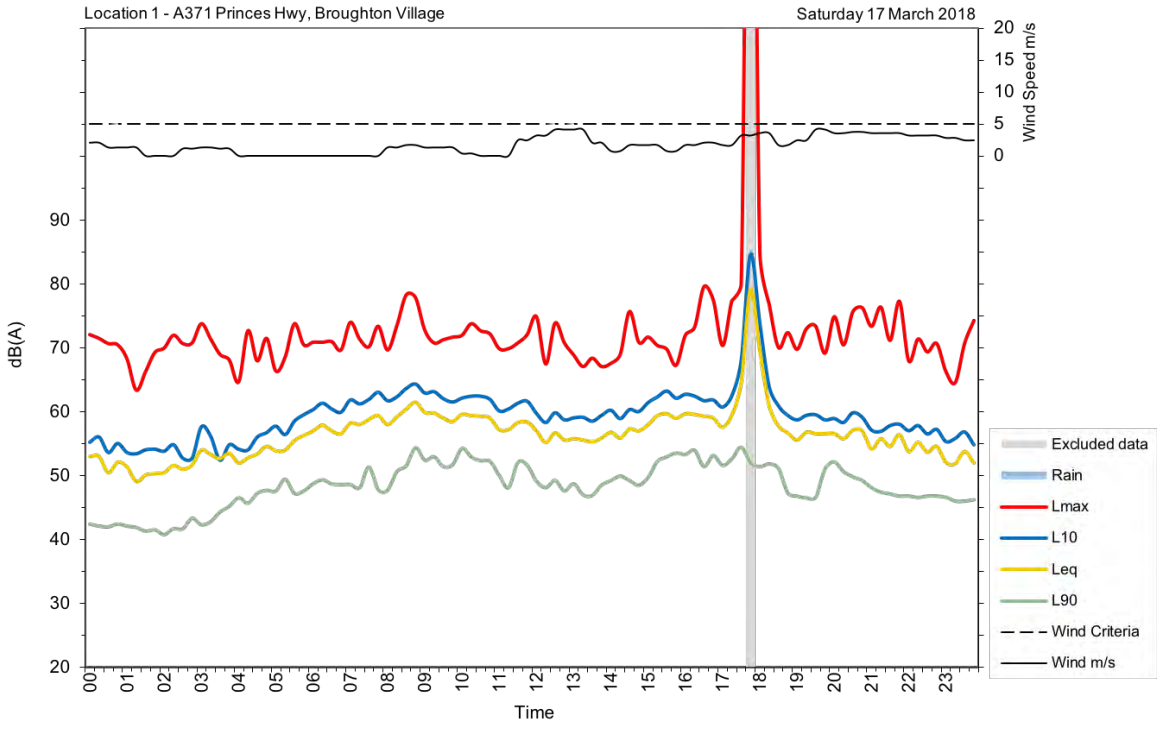


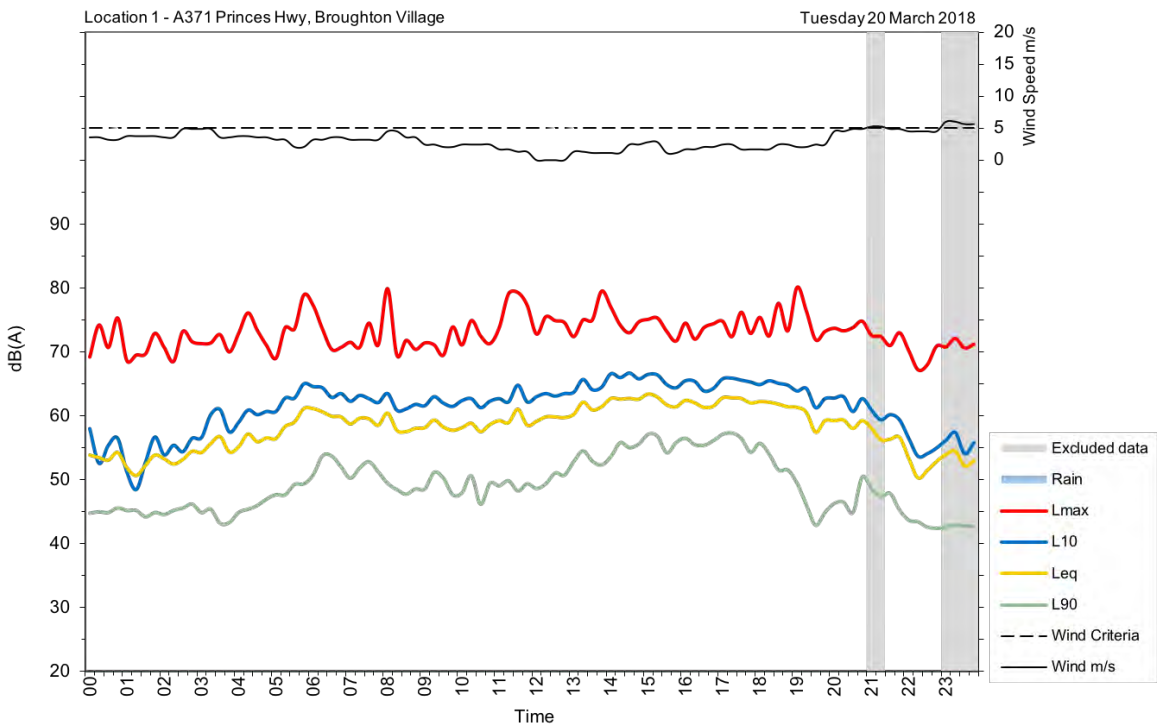
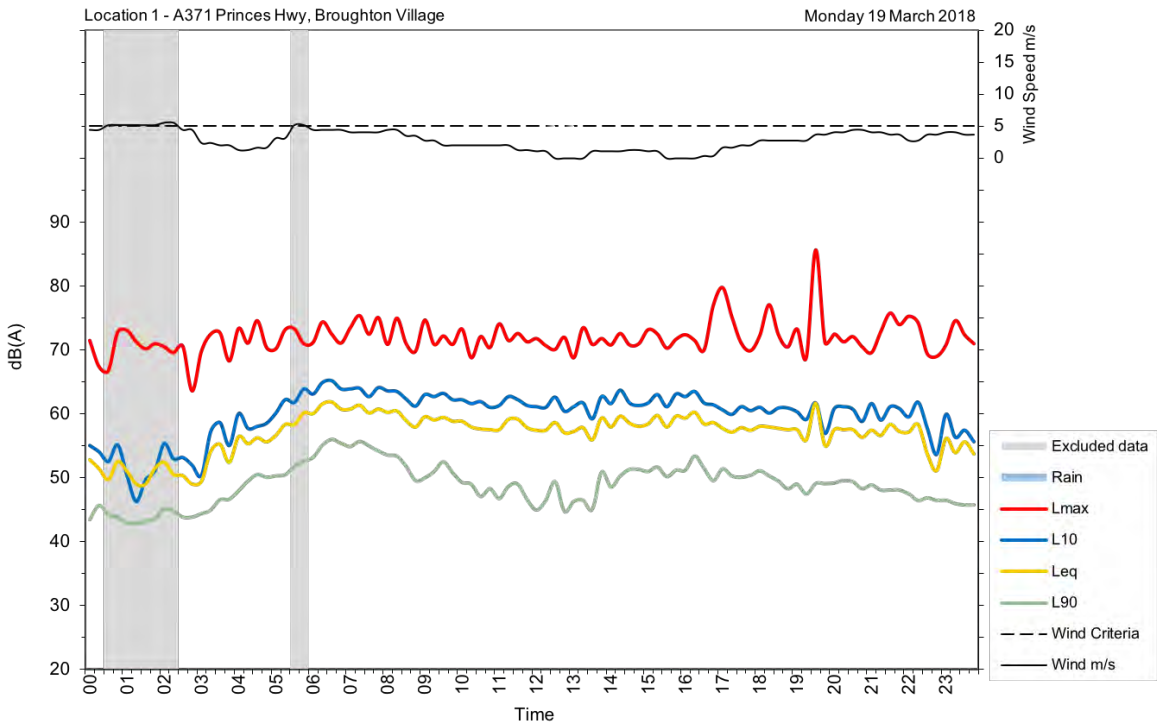
Date	Day, L <sub>Aeq</sub> (15-hour)	Night, L <sub>Aeq</sub> (9-hour)
Wednesday, 14 March 2018	59	56
Thursday, 15 March 2018	60	56
Friday, 16 March 2018	60	54
Saturday, 17 March 2018	58	54
Sunday, 18 March 2018	58	57
Monday, 19 March 2018	58	57
Tuesday, 20 March 2018	60	58
Wednesday, 21 March 2018	62	56
Thursday, 22 March 2018	62	54
Friday, 23 March 2018	62	54
Saturday, 24 March 2018	59	54
Sunday, 25 March 2018	57	58
Monday, 26 March 2018	58	57
Tuesday, 27 March 2018	59	57
Wednesday, 28 March 2018	60	
<b>Overall</b>	<b>60</b>	<b>56</b>

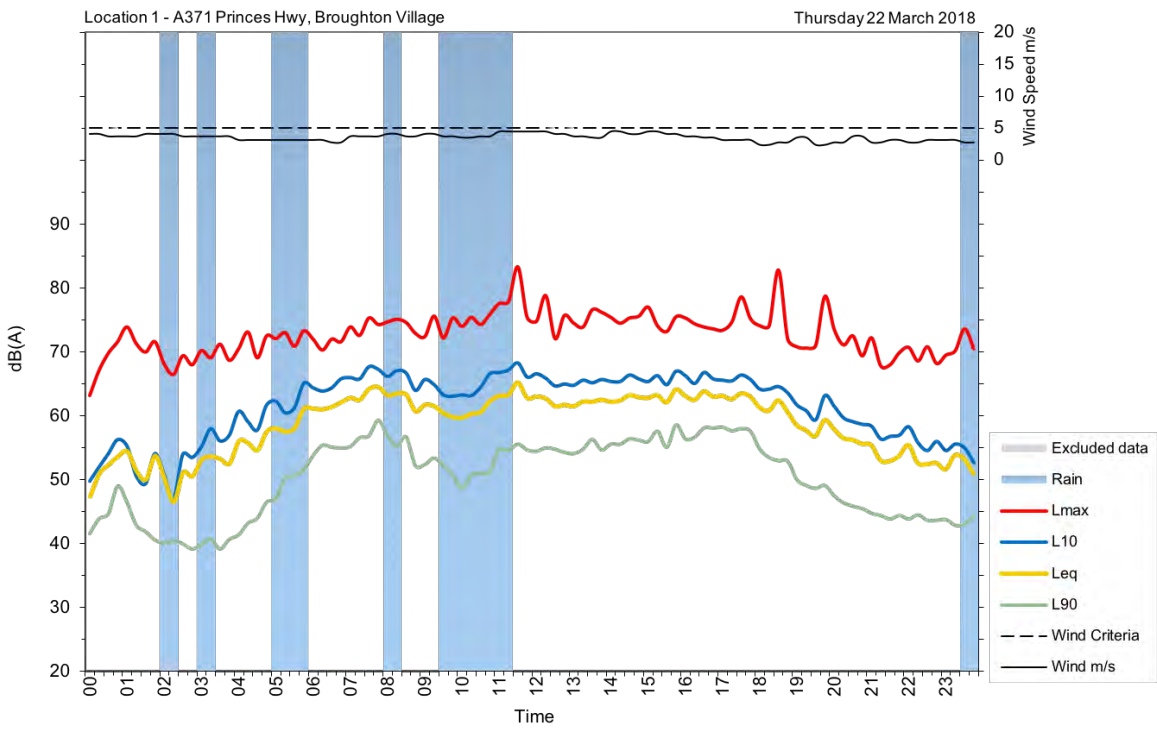
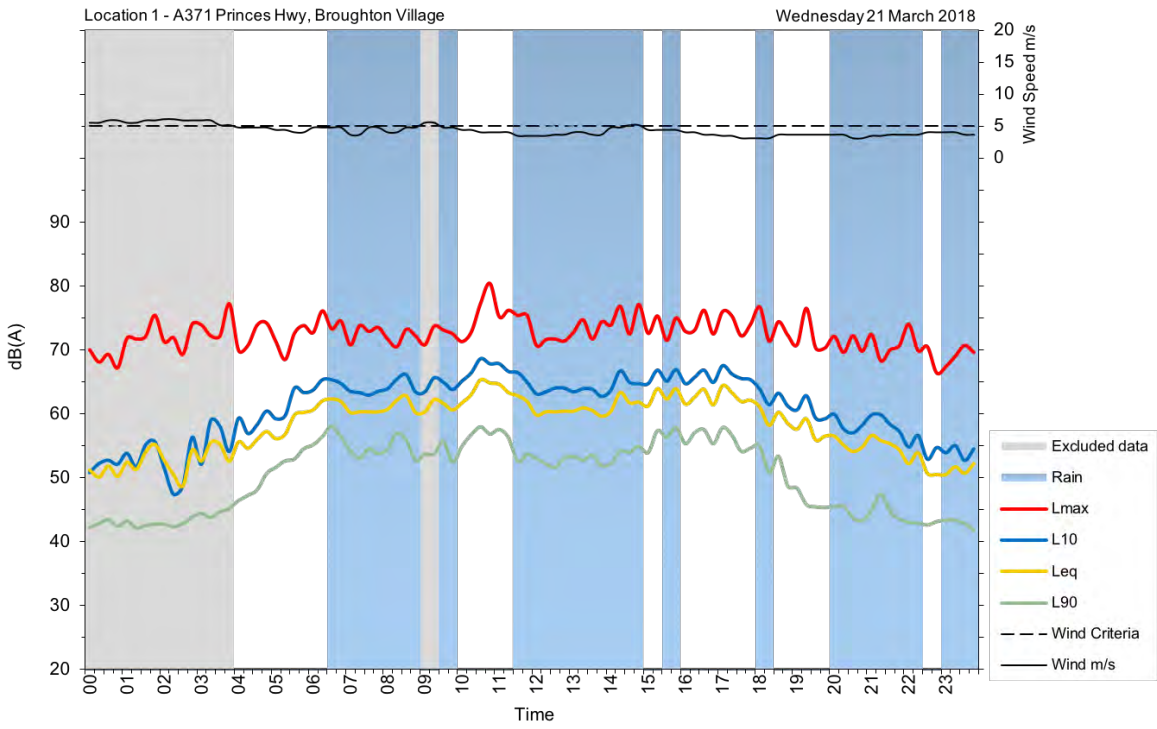




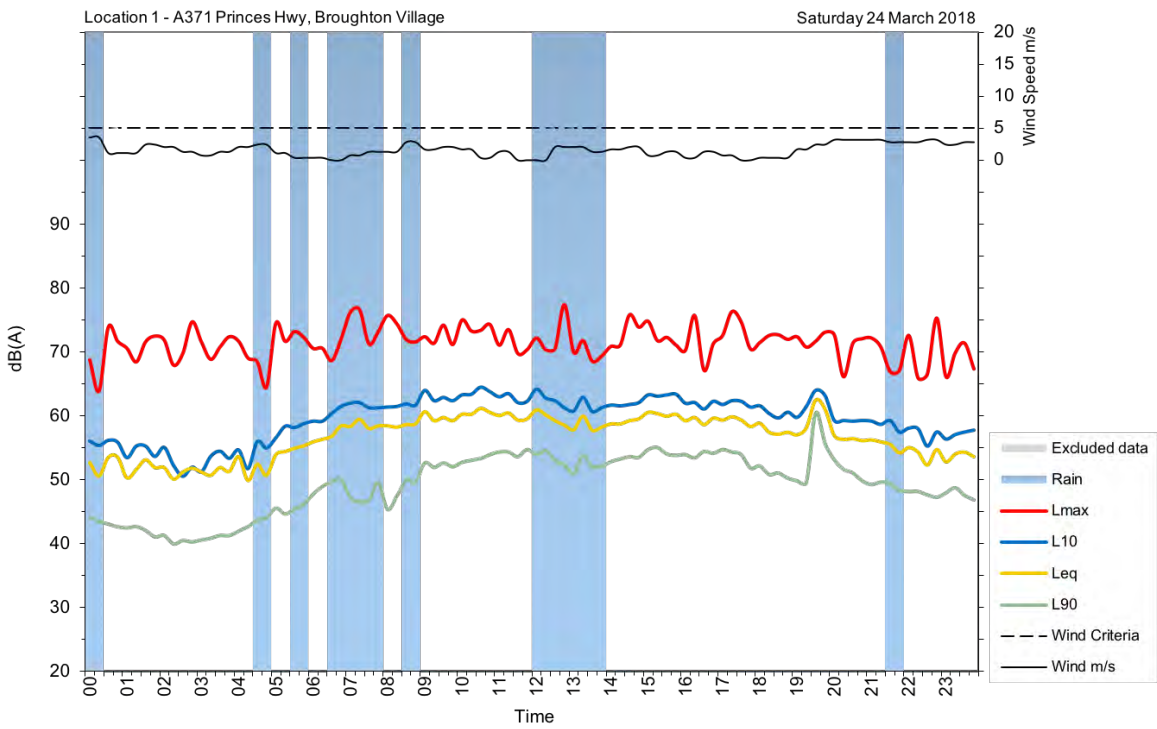
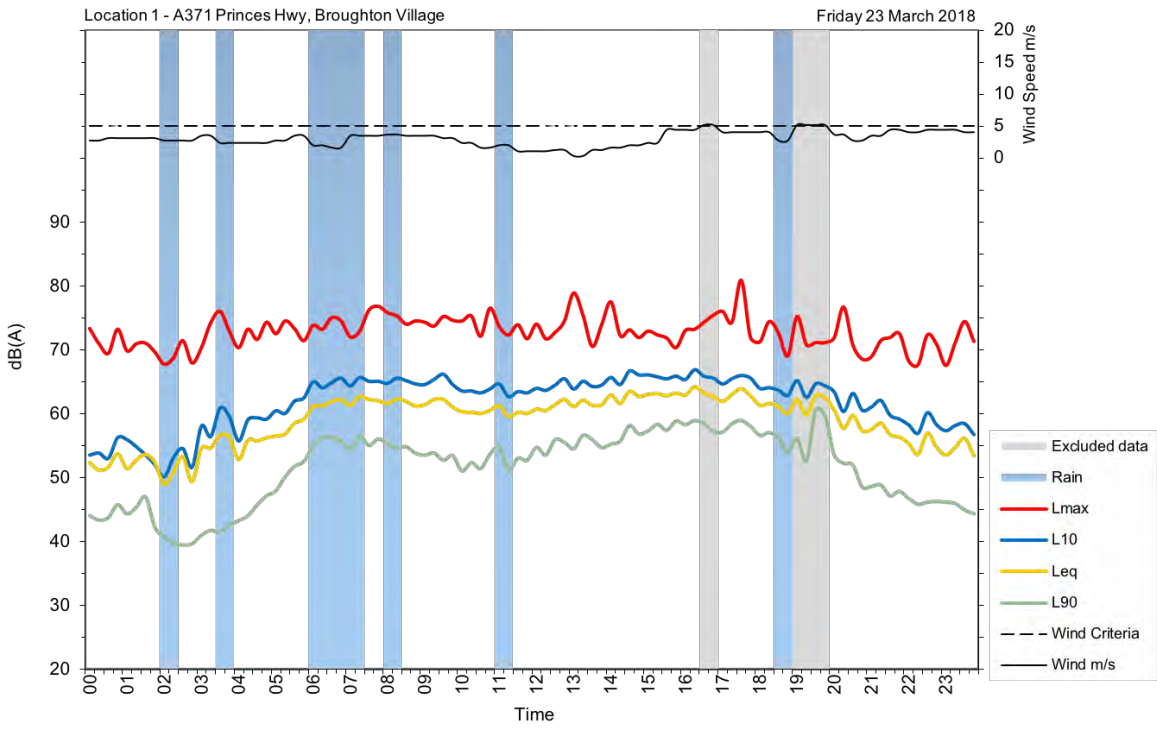


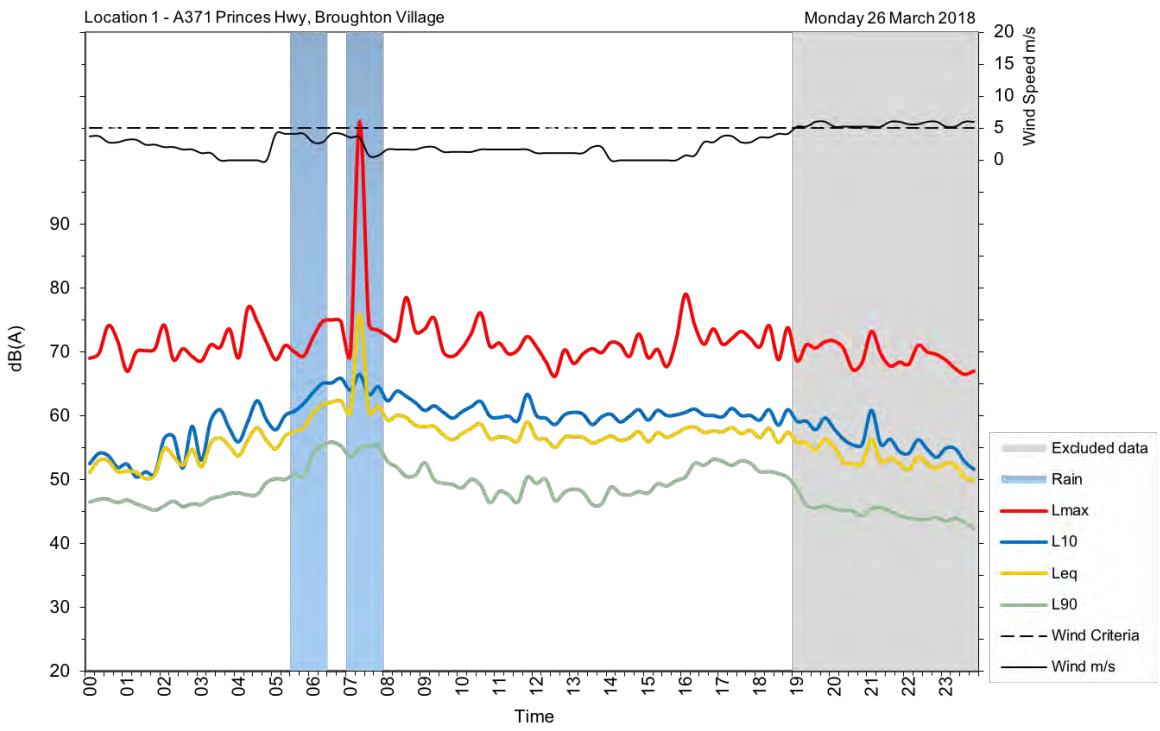
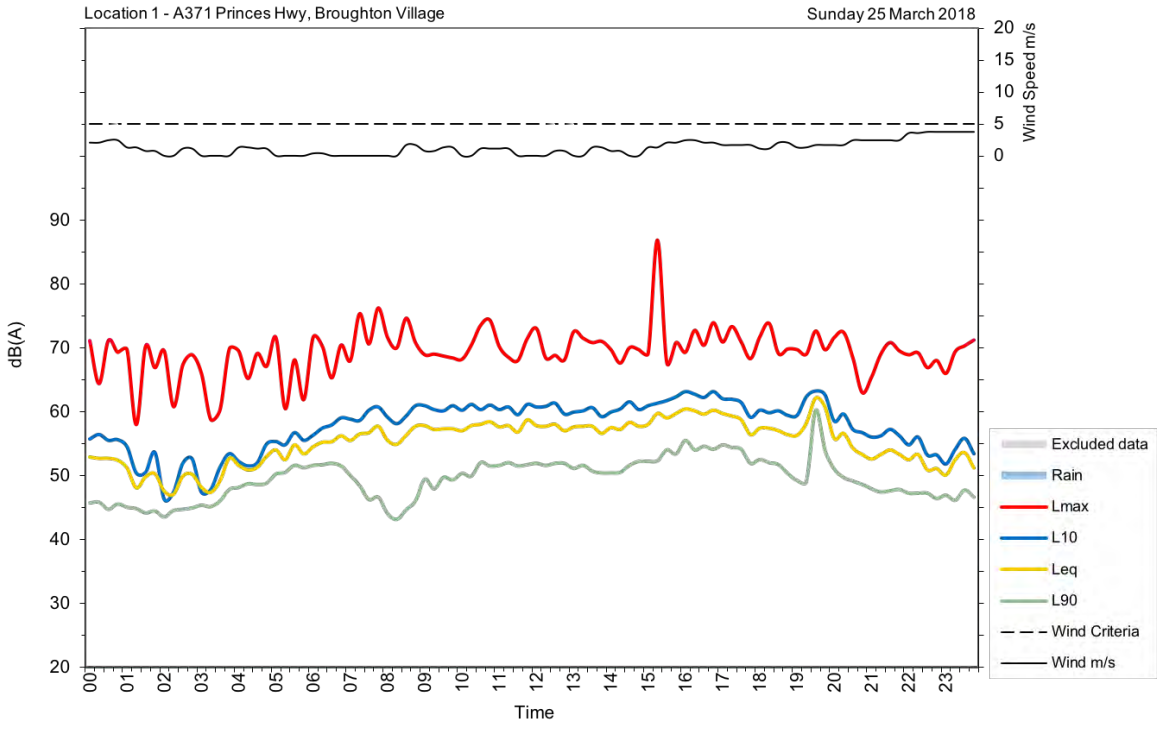


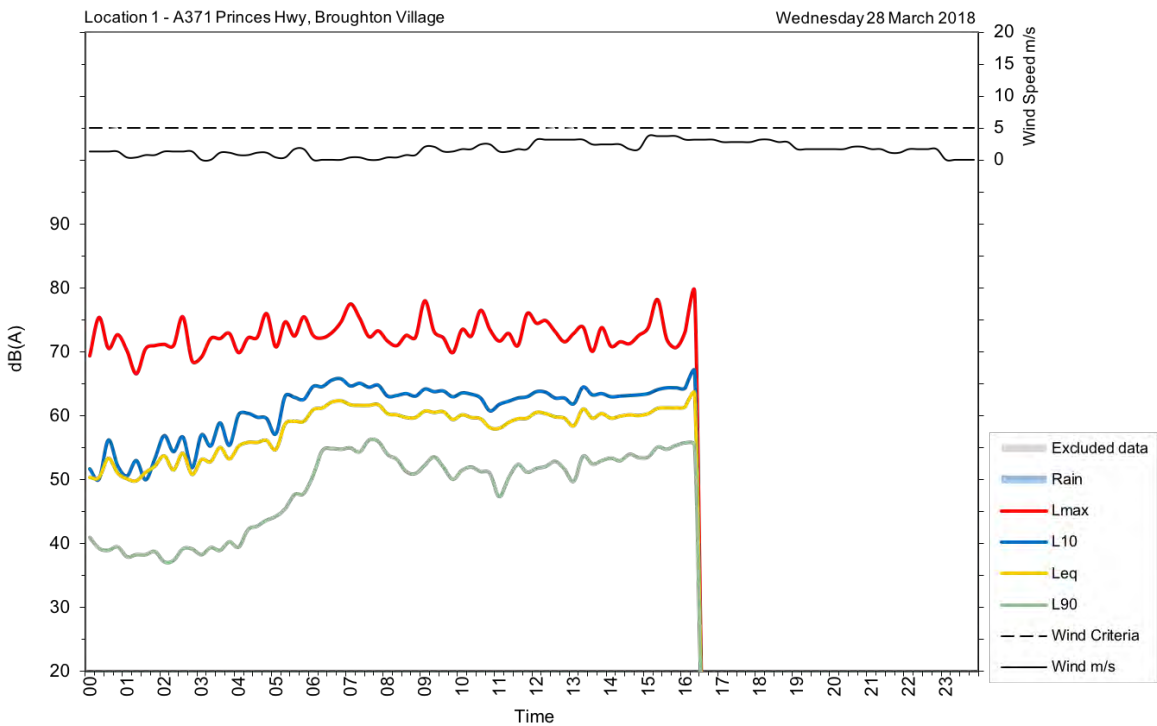
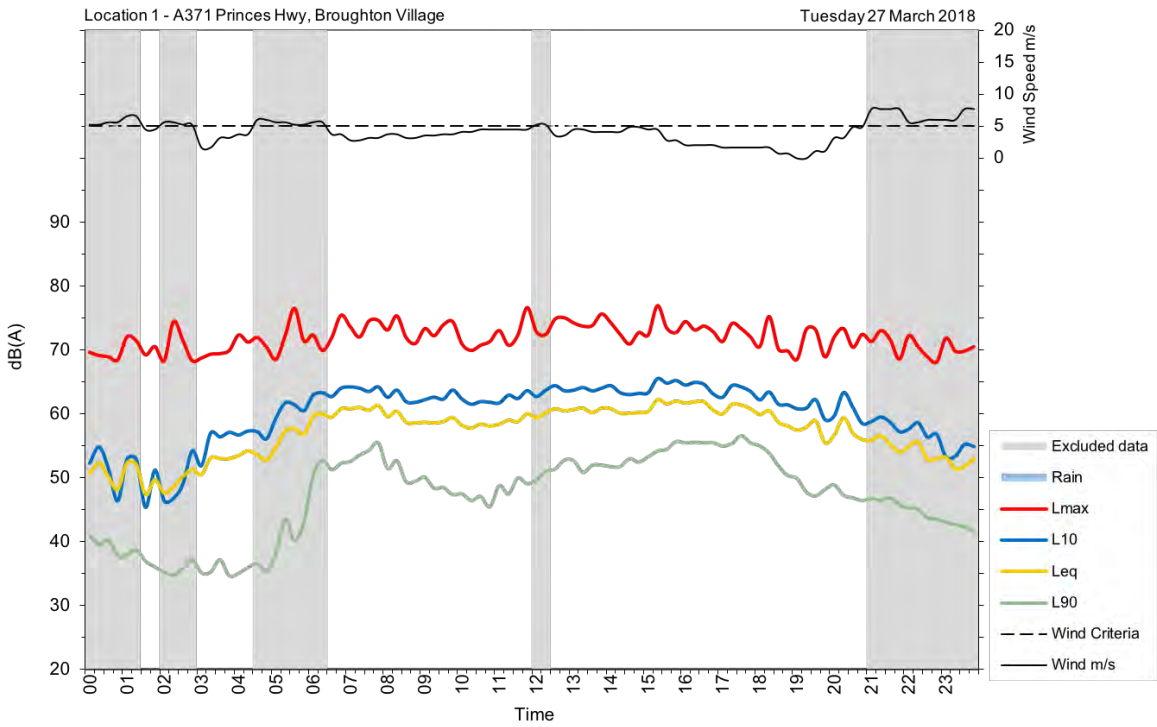












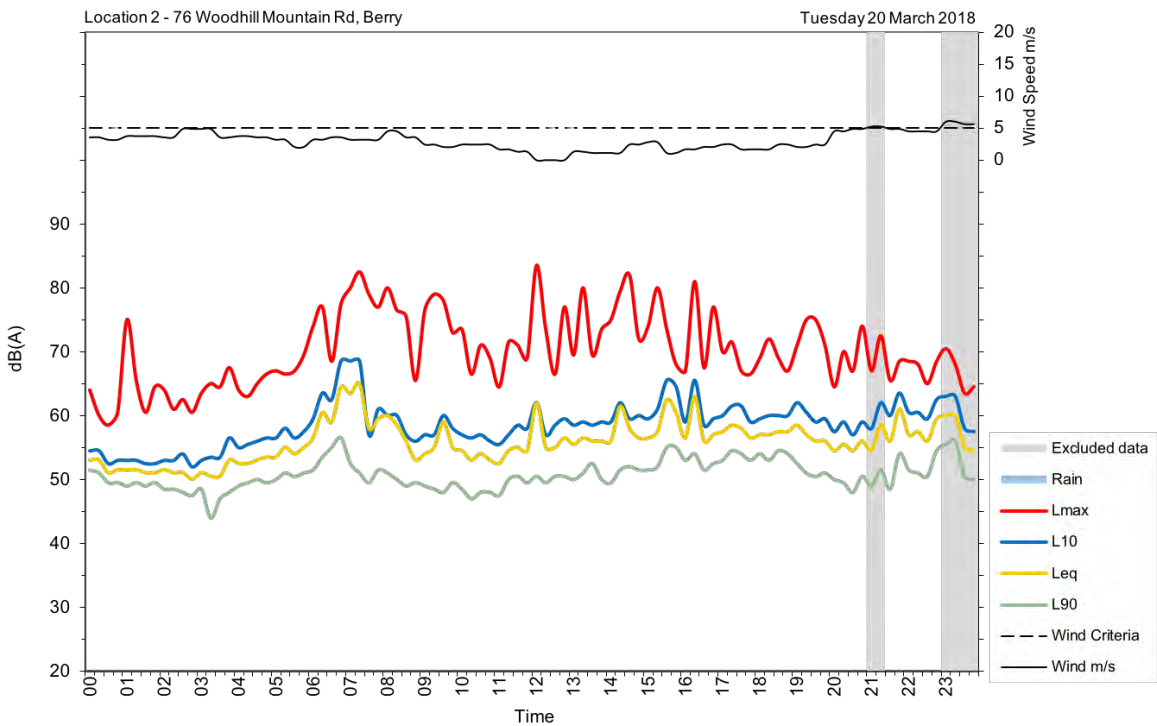
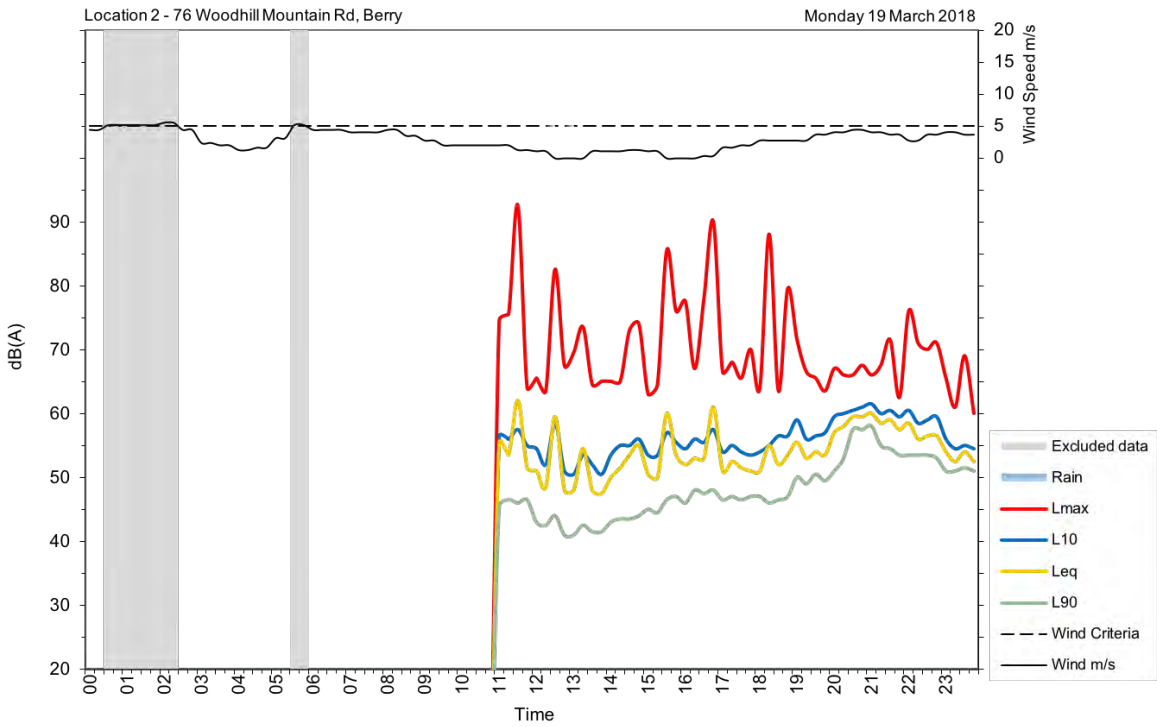


## U2

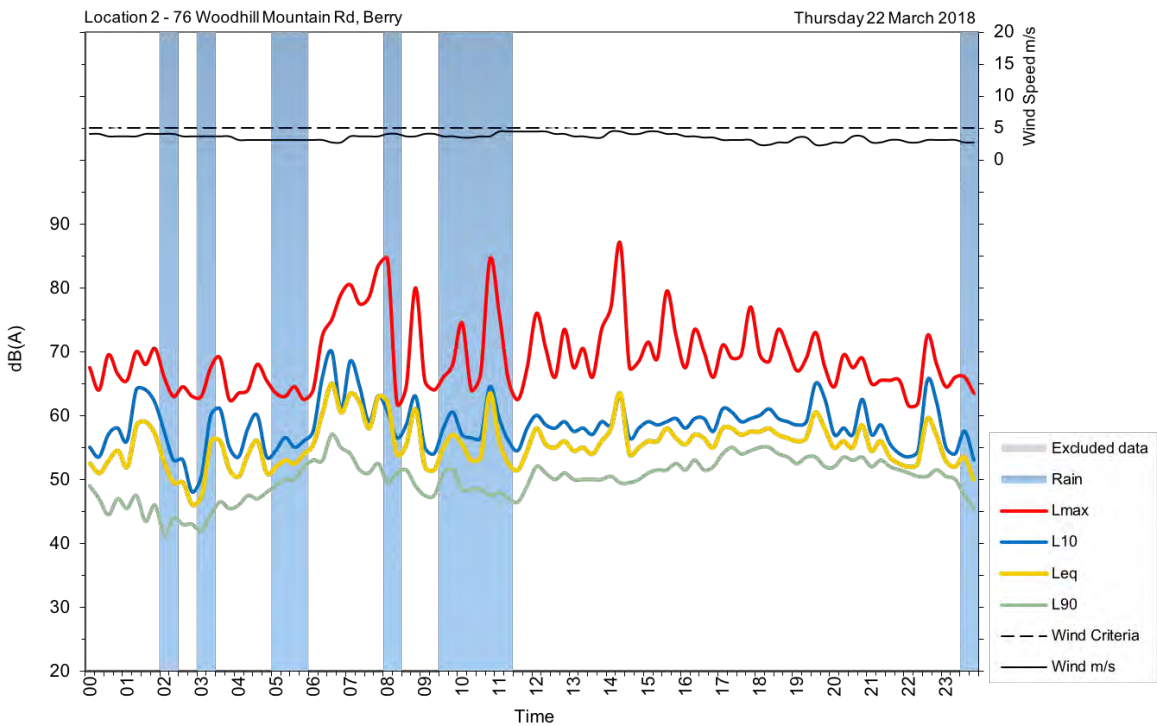
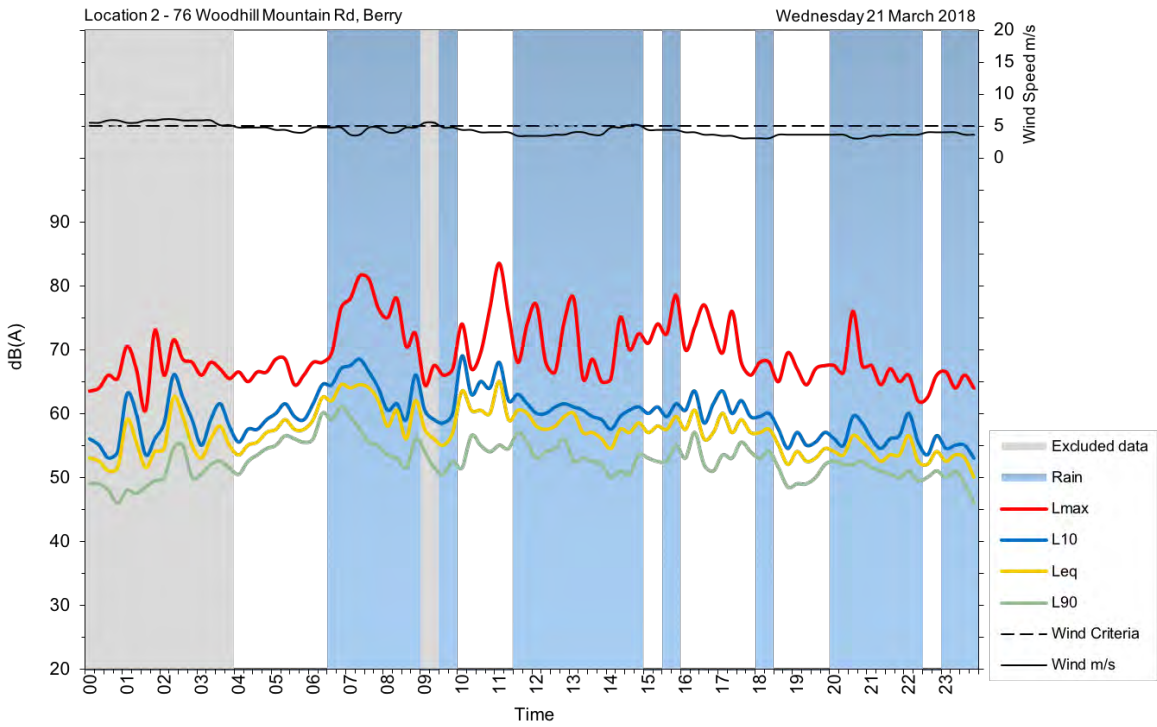
<b>Address/location</b>	76 Woodhill Mountain Rd, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Monday, 19 March 2018 to Tuesday, 10 April 2018

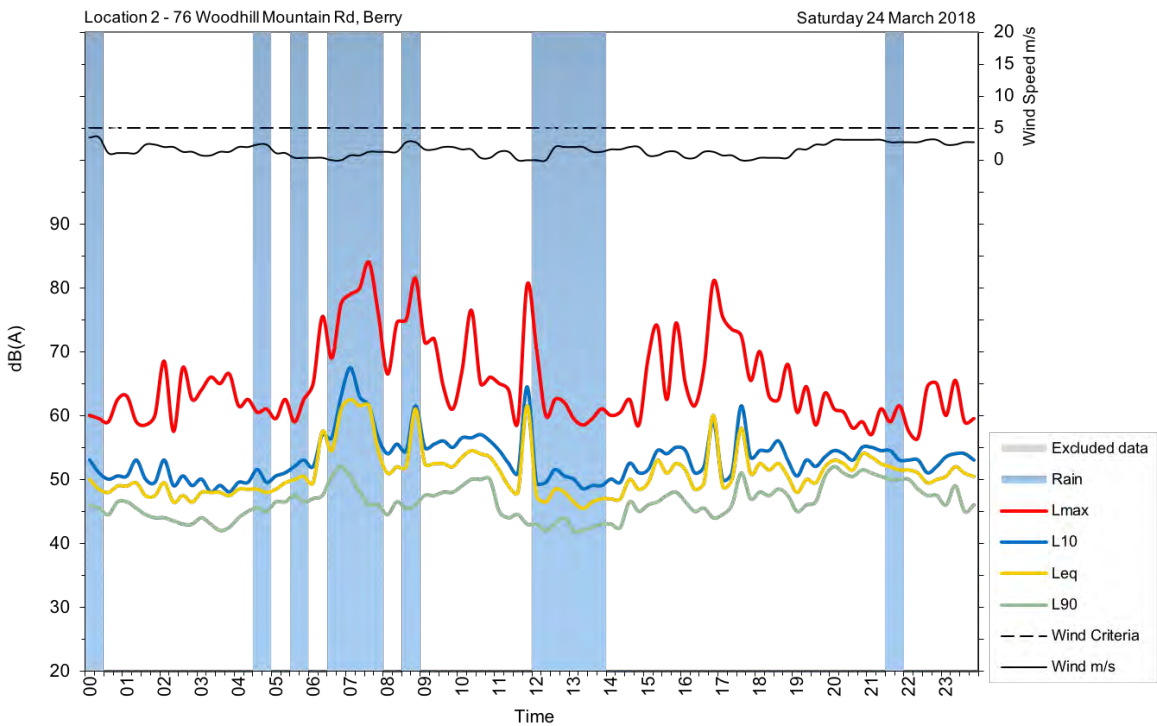
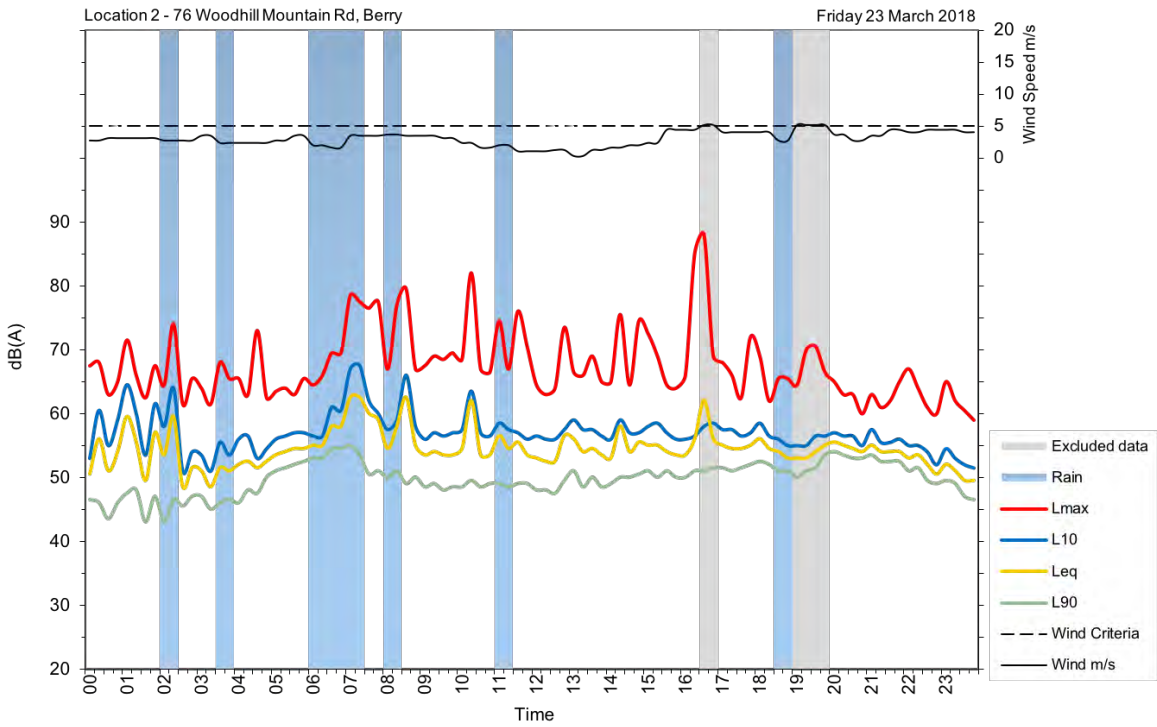


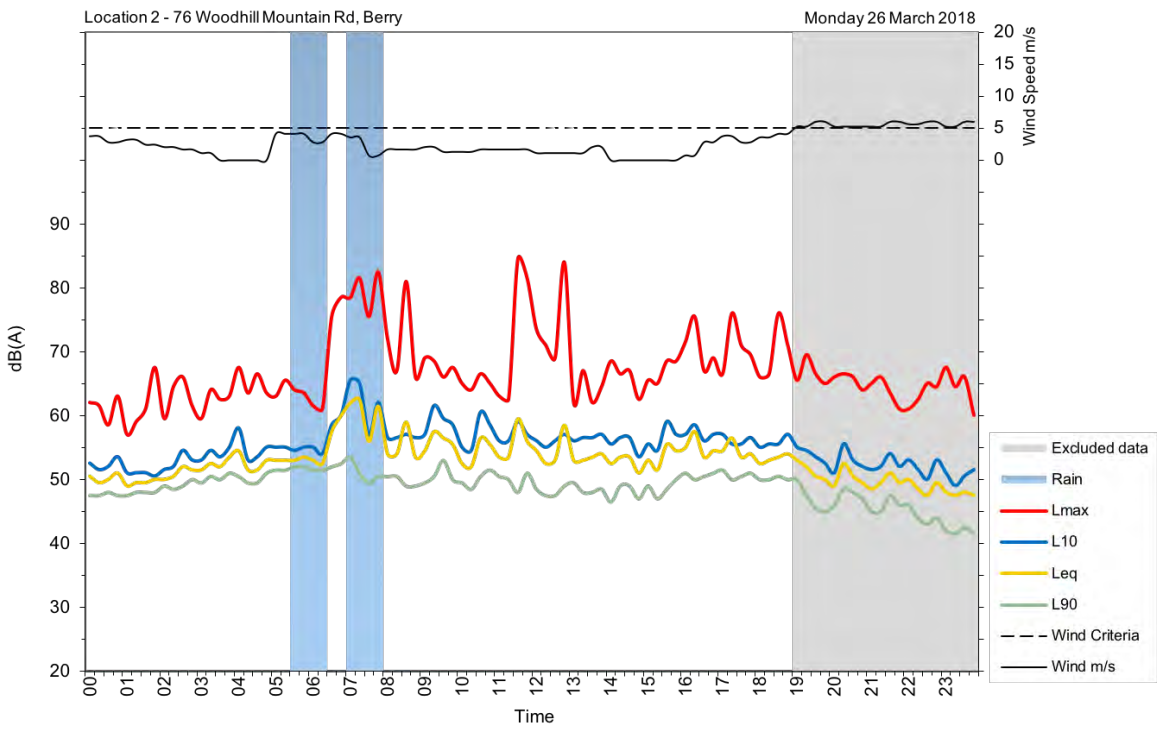
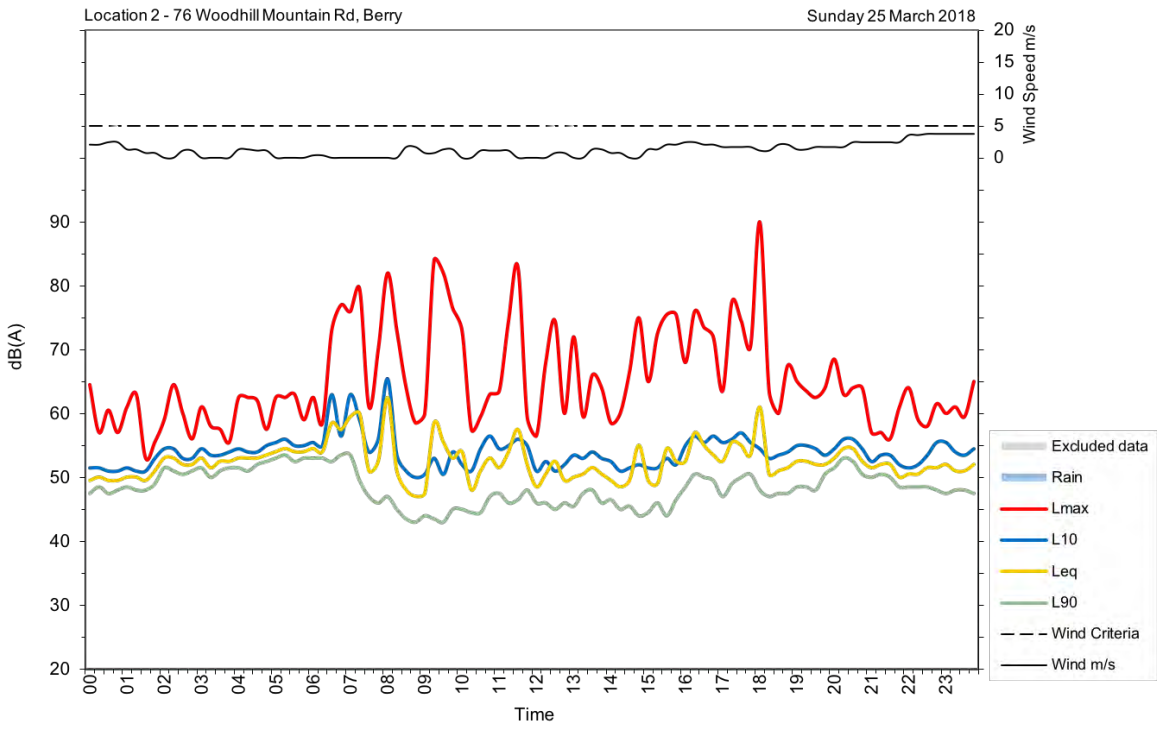
<b>Date</b>	<b>Day, L<sub>Aeq</sub>(15-hour)</b>	<b>Night, L<sub>Aeq</sub>(9-hour)</b>
Monday, 19 March 2018	51	56
Tuesday, 20 March 2018	58	58
Wednesday, 21 March 2018	60	58
Thursday, 22 March 2018	58	56
Friday, 23 March 2018	55	49
Saturday, 24 March 2018	53	56
Sunday, 25 March 2018	54	53
Monday, 26 March 2018	55	50
Tuesday, 27 March 2018	56	55
Wednesday, 28 March 2018	56	50
Thursday, 29 March 2018	54	50
Friday, 30 March 2018	56	44
Saturday, 31 March 2018	53	45
Sunday, 1 April 2018	51	48
Monday, 2 April 2018	53	49
Tuesday, 3 April 2018	54	48
Wednesday, 4 April 2018	53	50
Thursday, 5 April 2018	54	48
Friday, 6 April 2018	54	45
Saturday, 7 April 2018	51	44
Sunday, 8 April 2018	51	50
Monday, 9 April 2018	53	48
Tuesday, 10 April 2018	55	
<b>Overall</b>	<b>55</b>	<b>53</b>



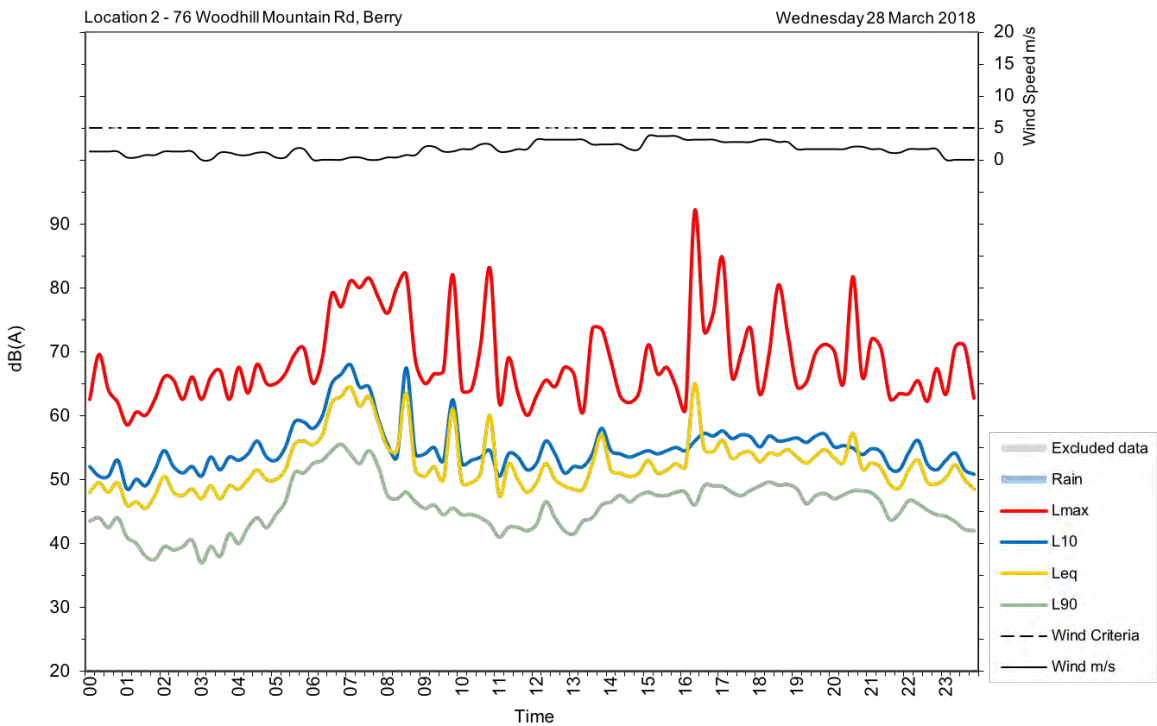
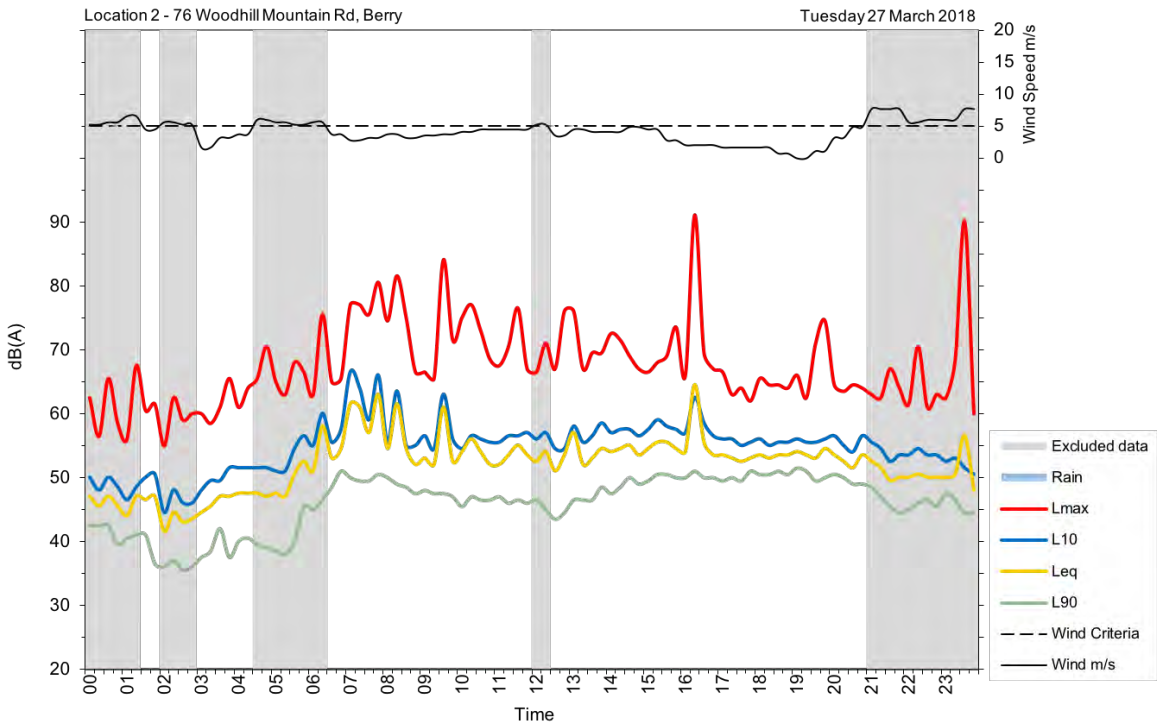


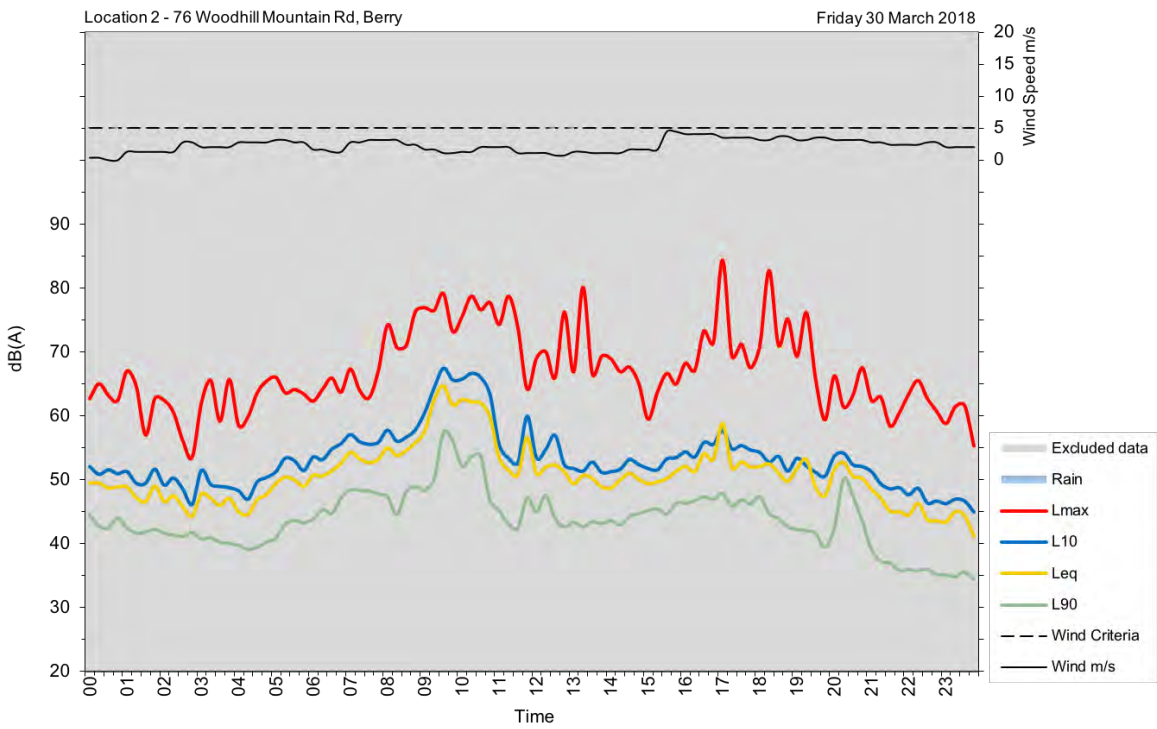
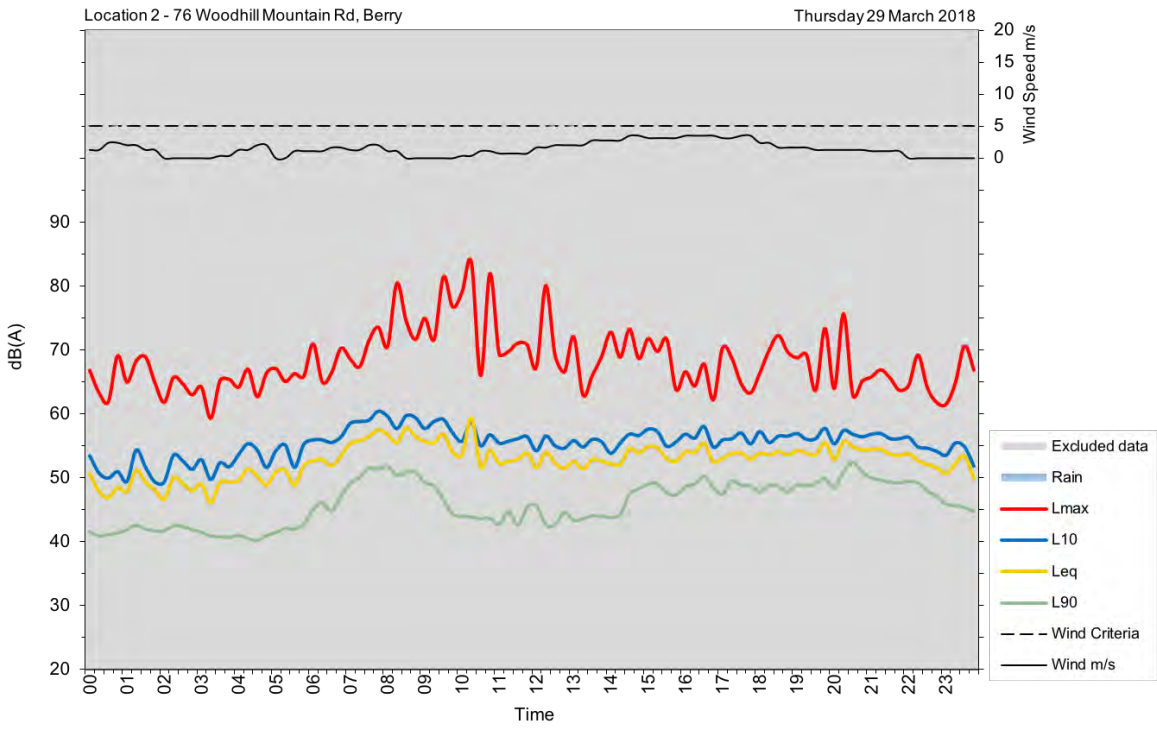


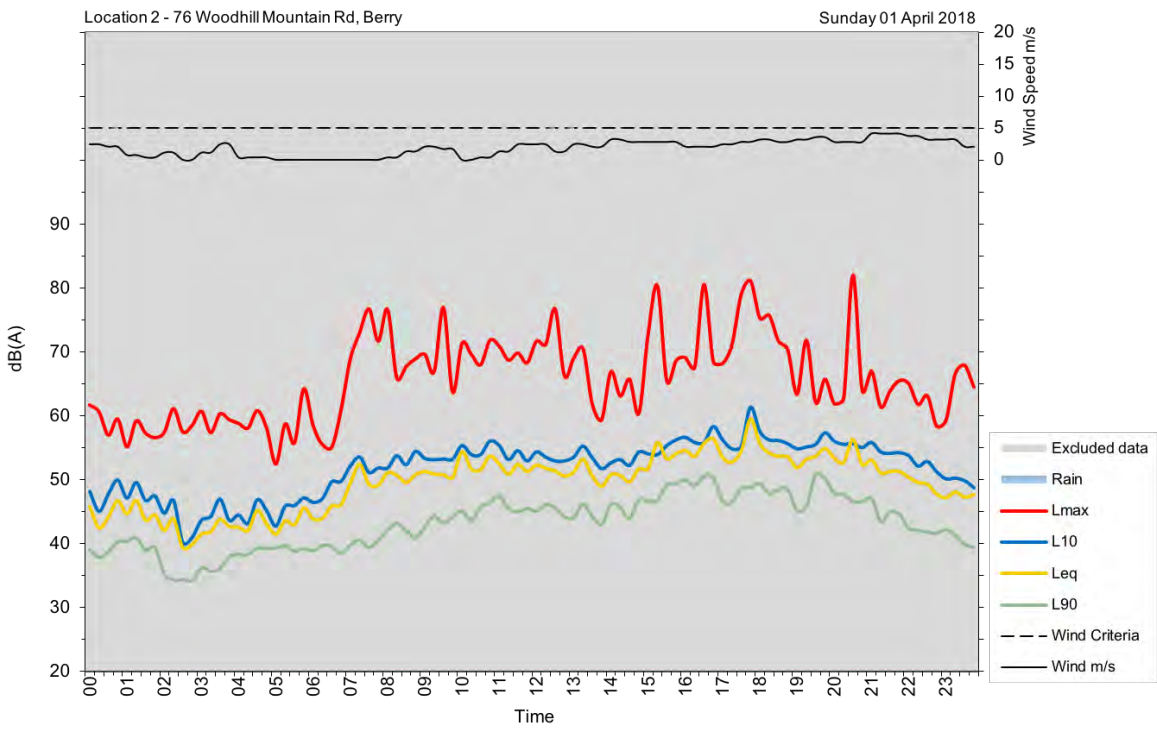
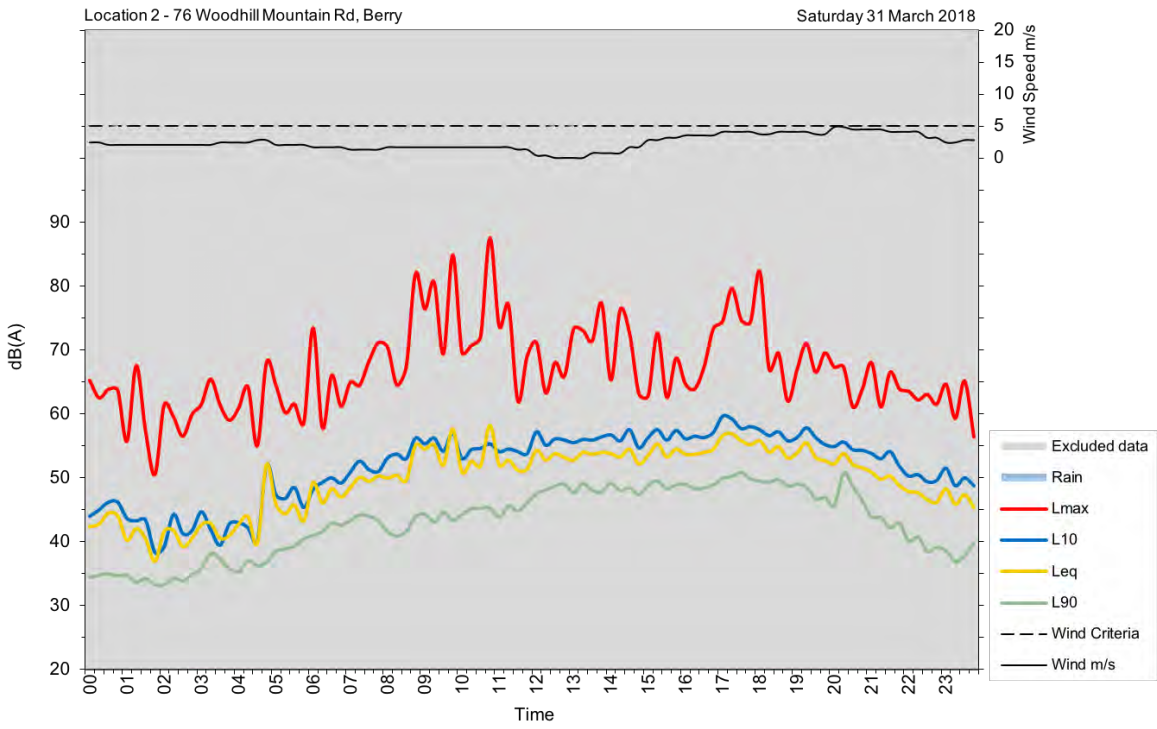




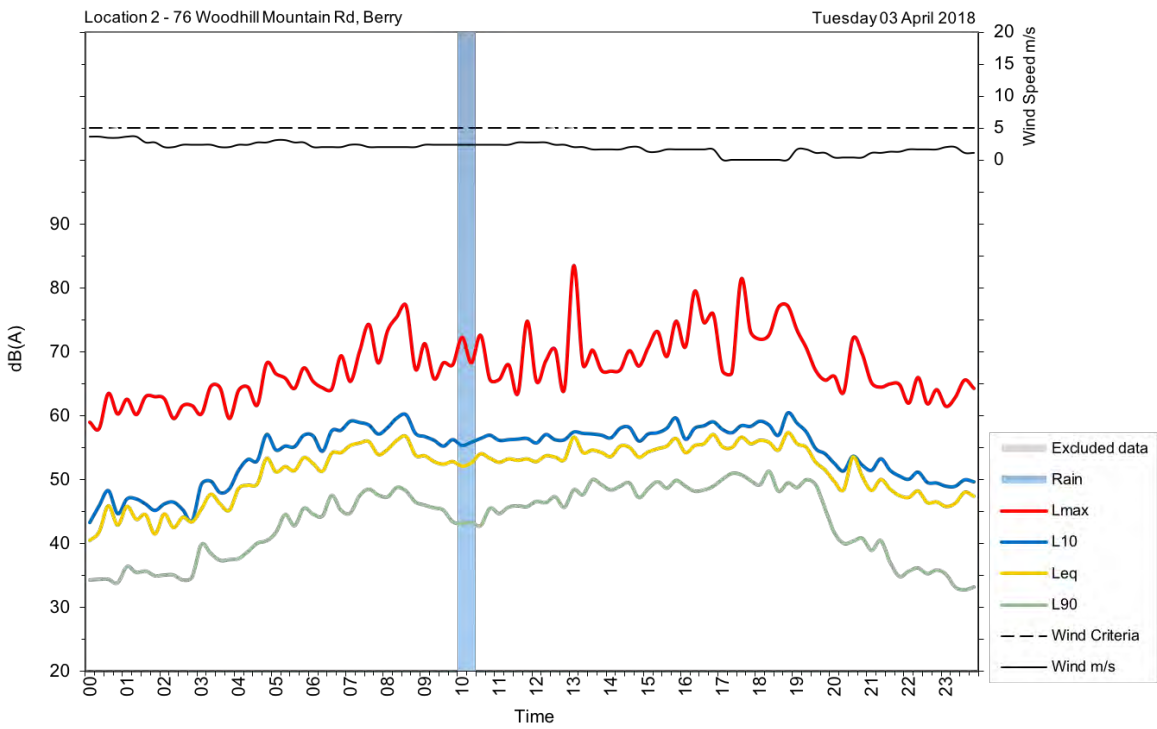
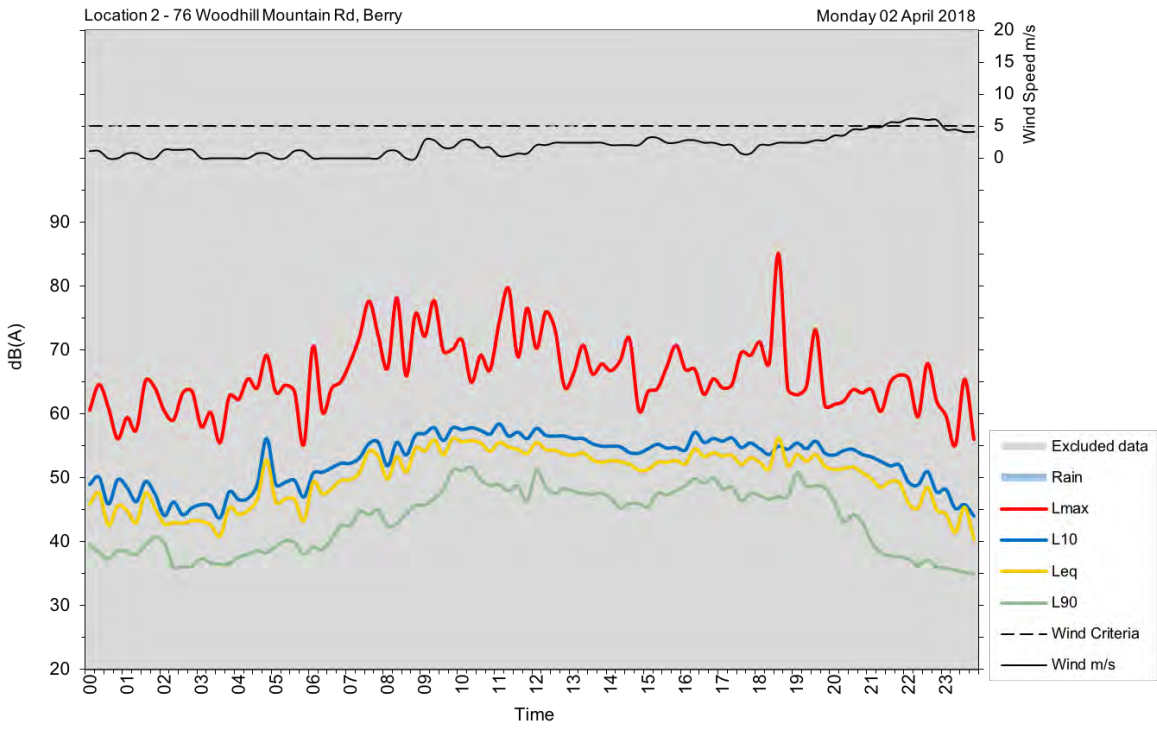


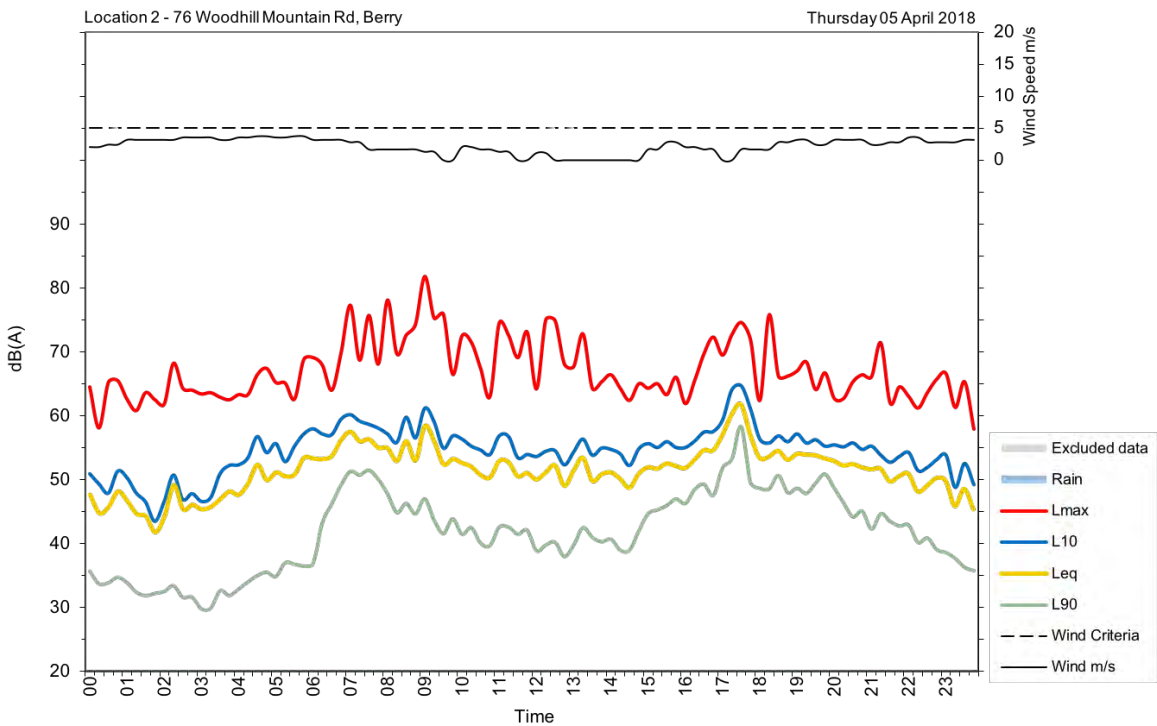
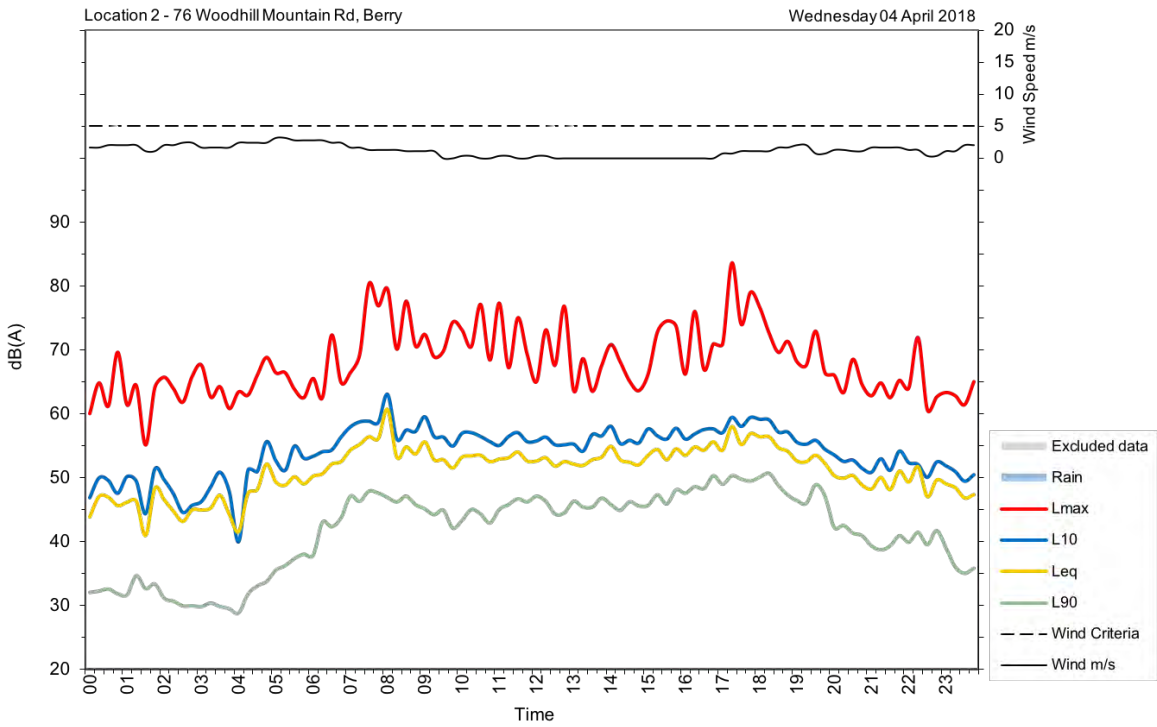


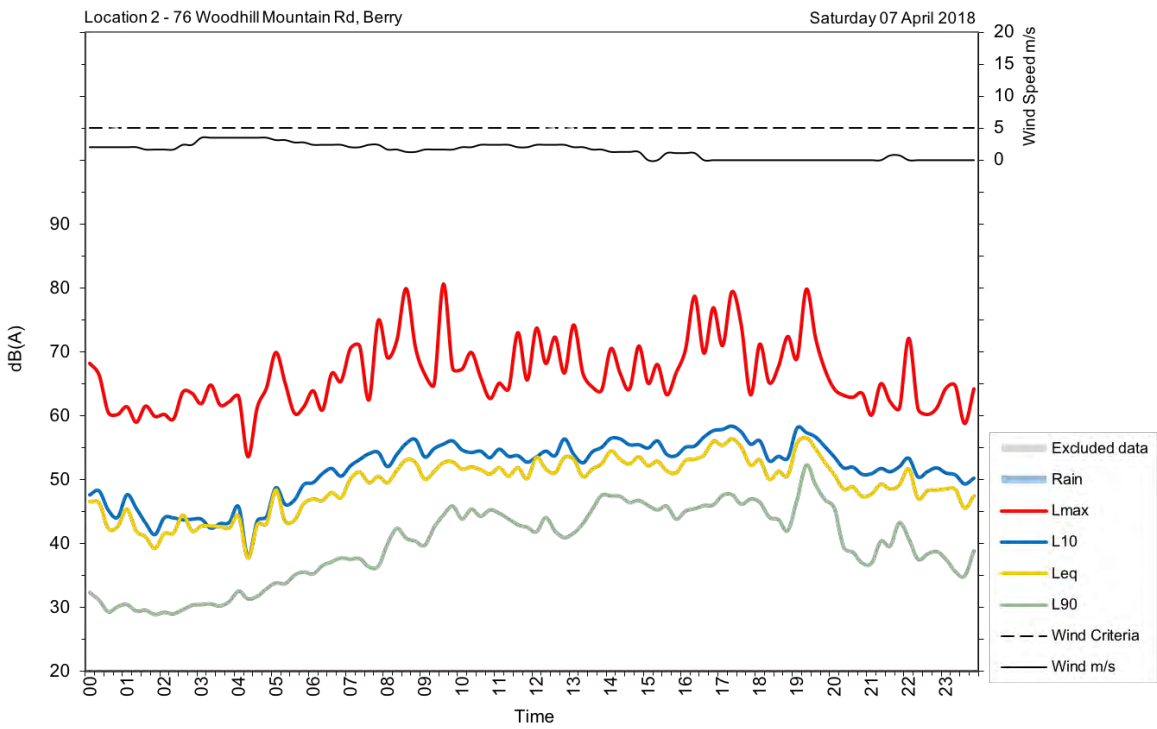
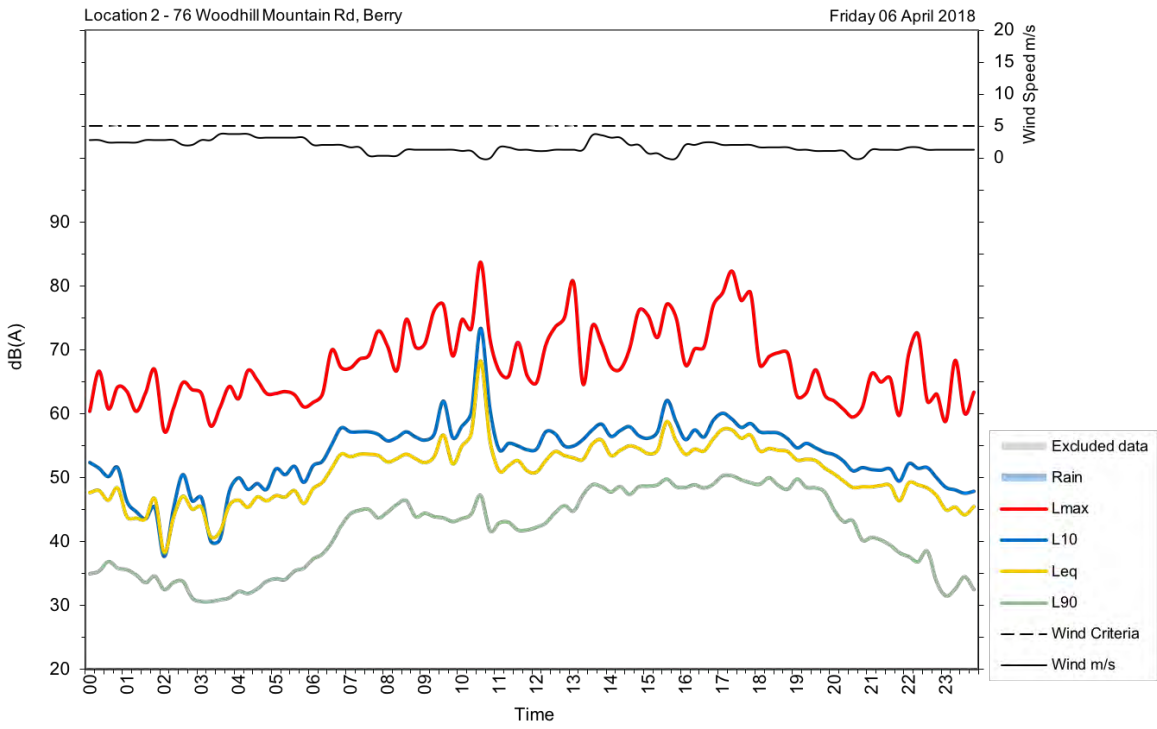




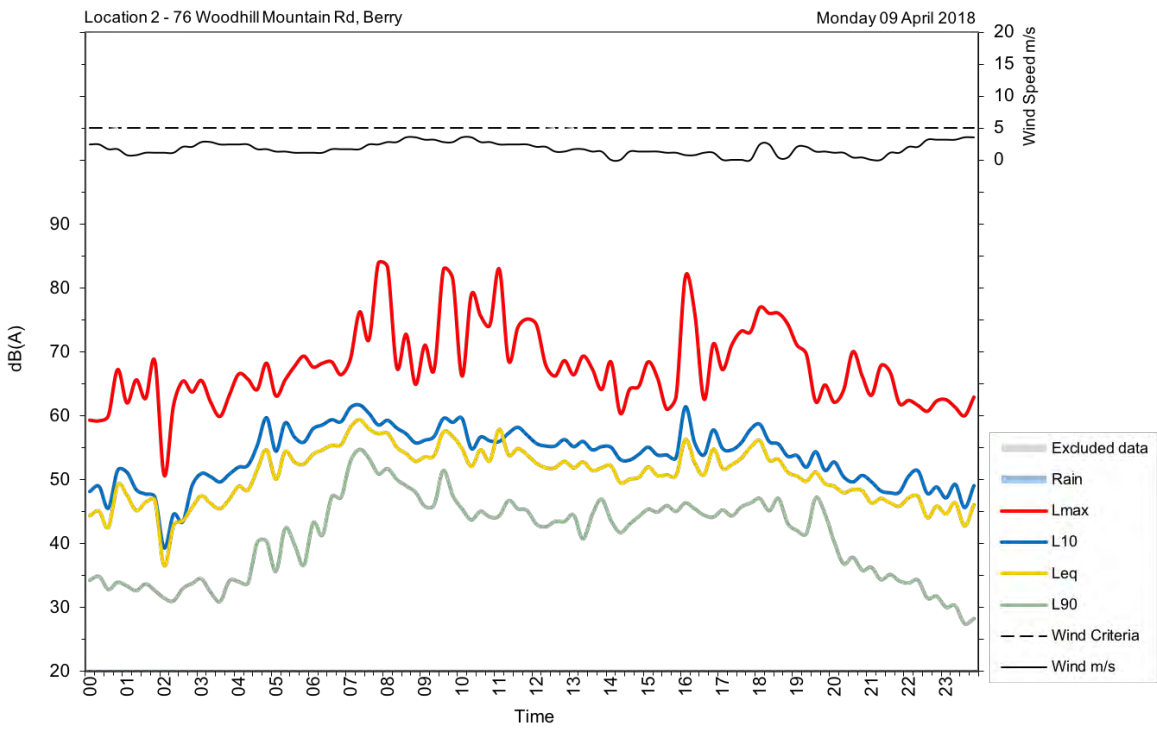
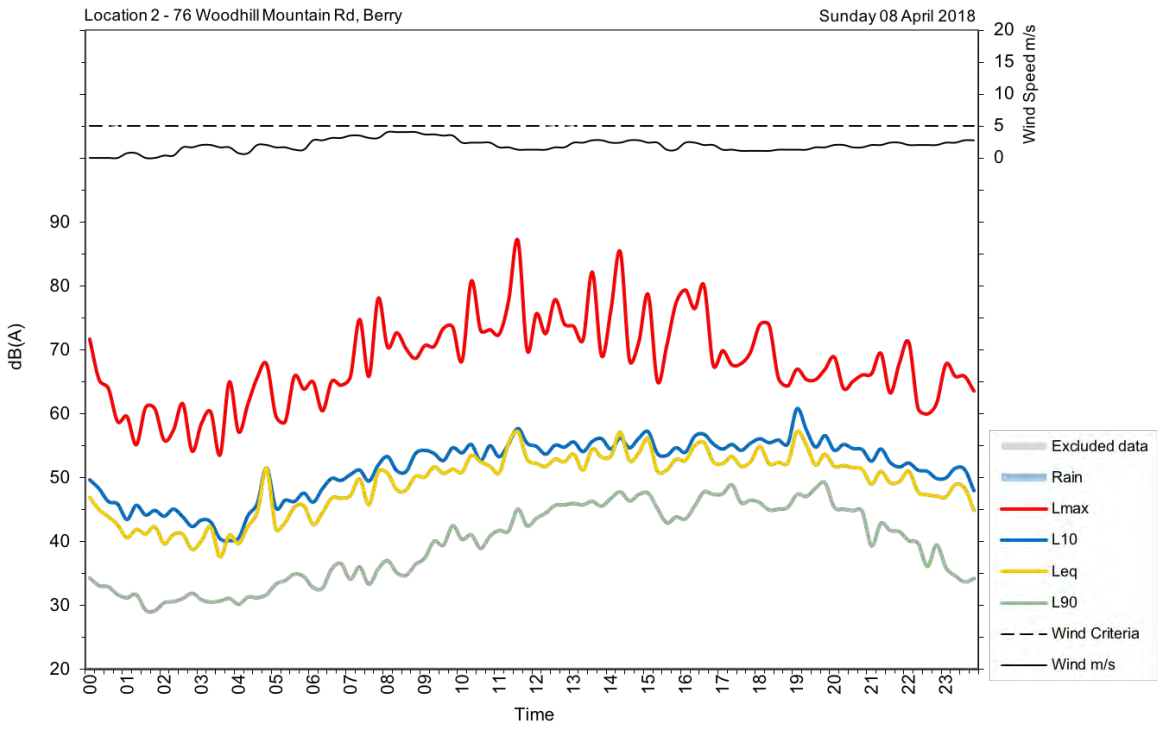


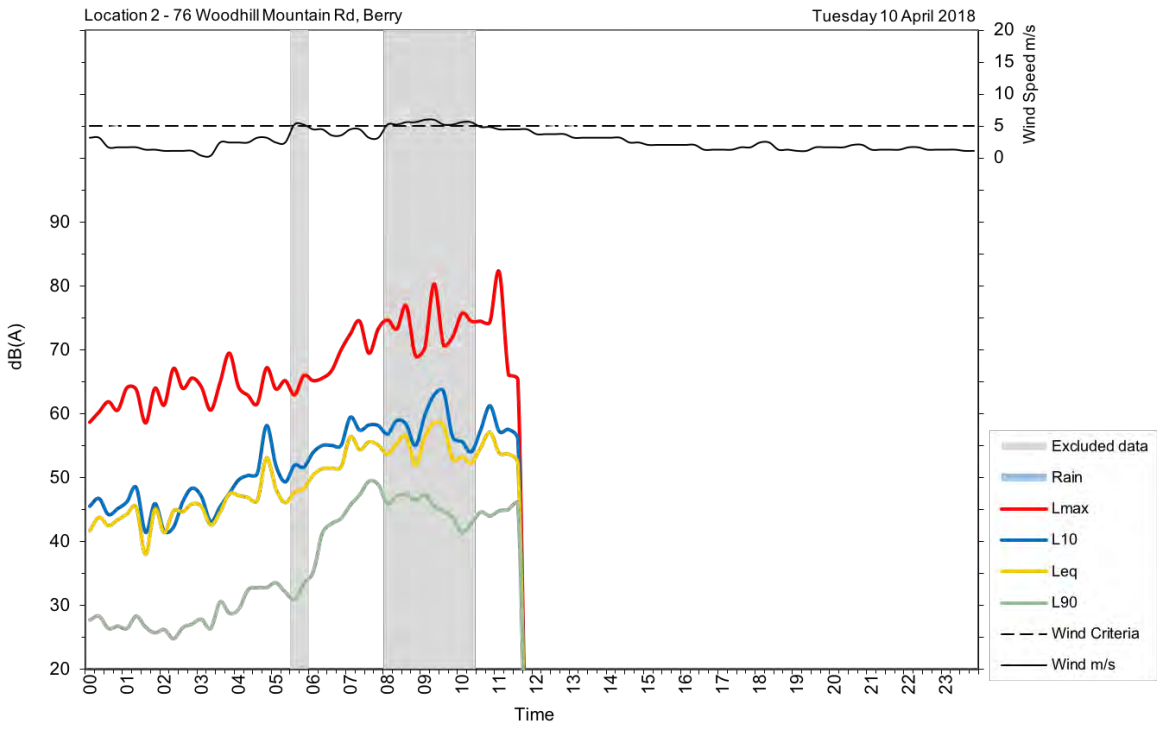












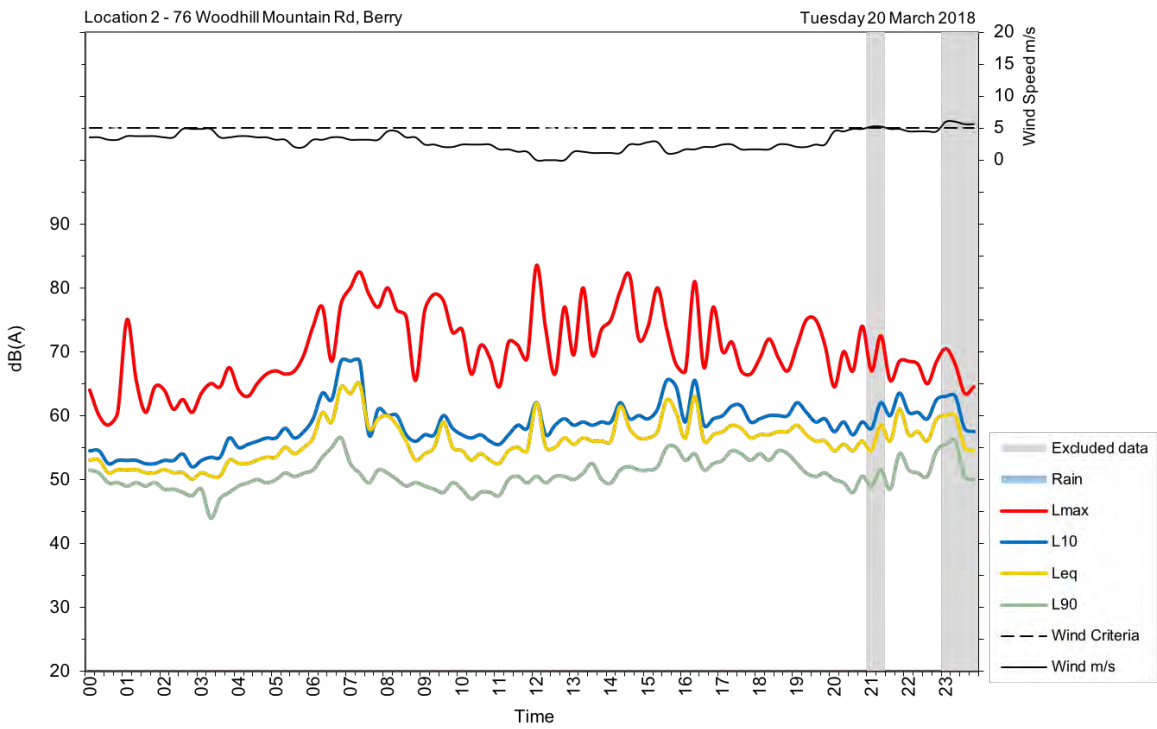
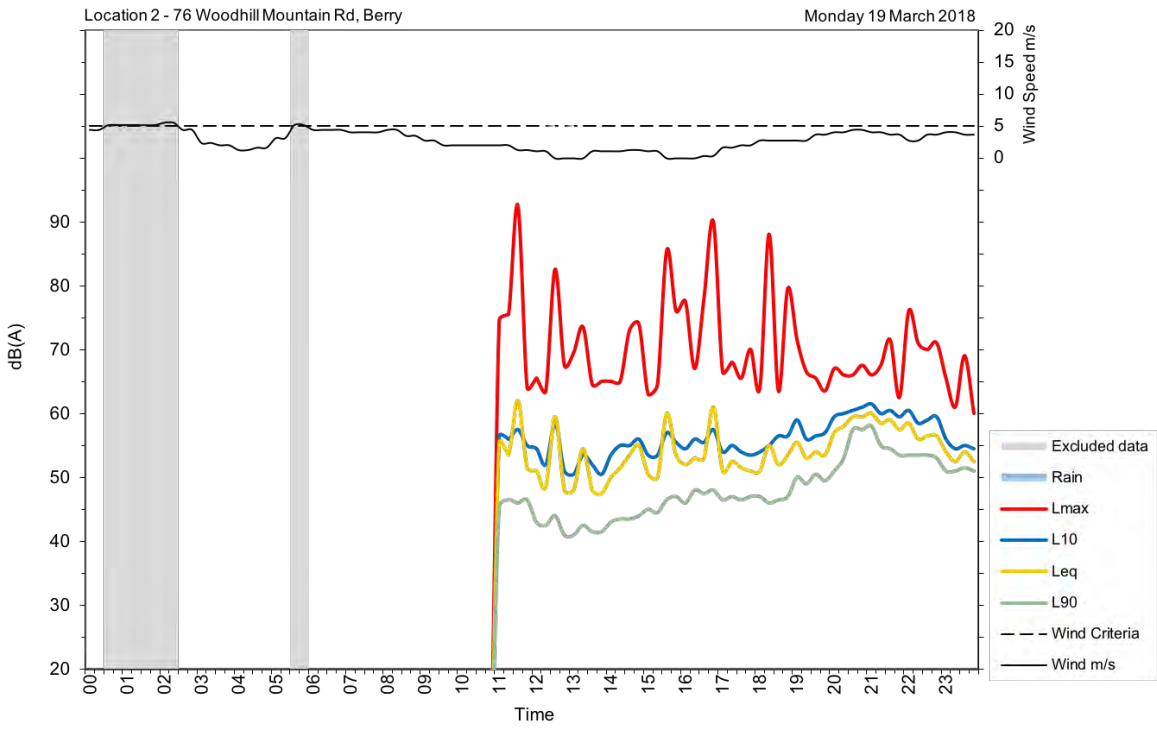
### U3

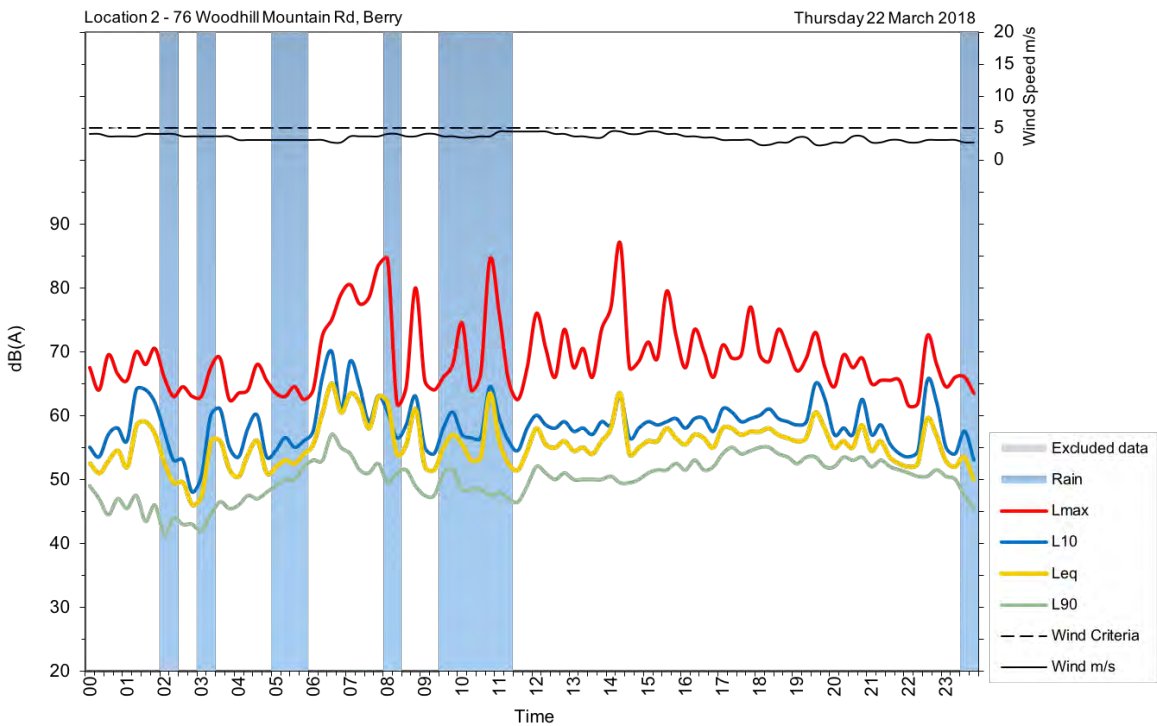
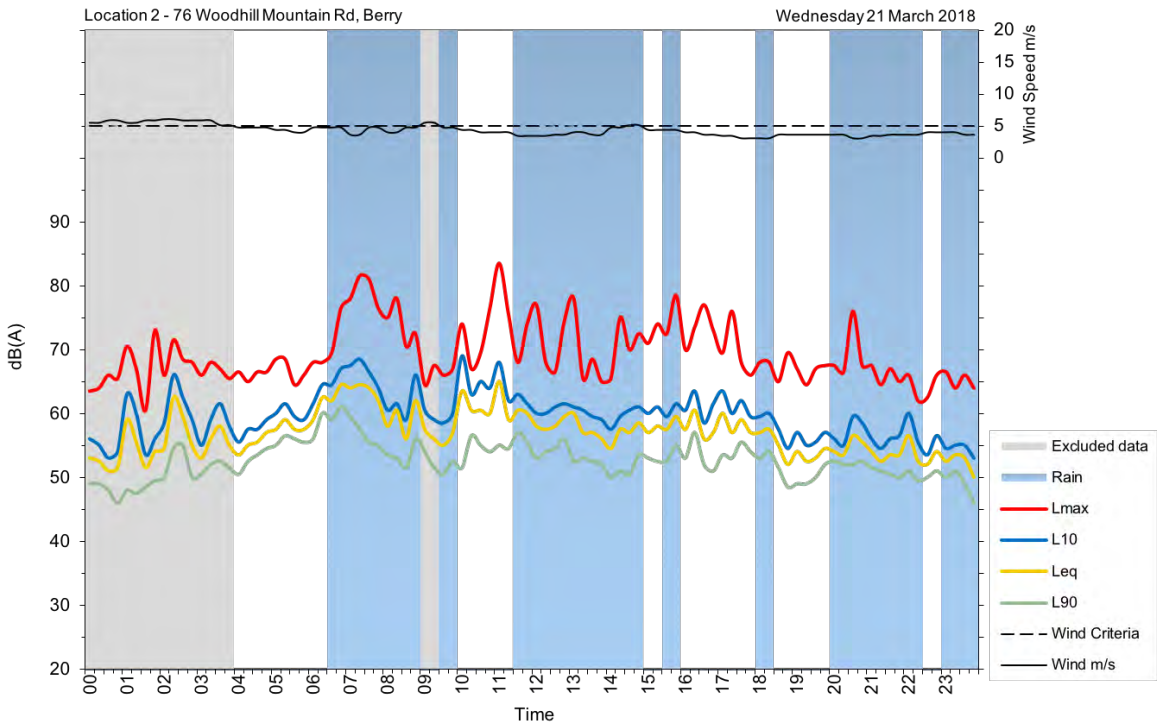
<b>Address/location</b>	468 Donovan Rd, Broughton Village
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Wednesday, 28 March 2018 to Tuesday, 10 April 2018



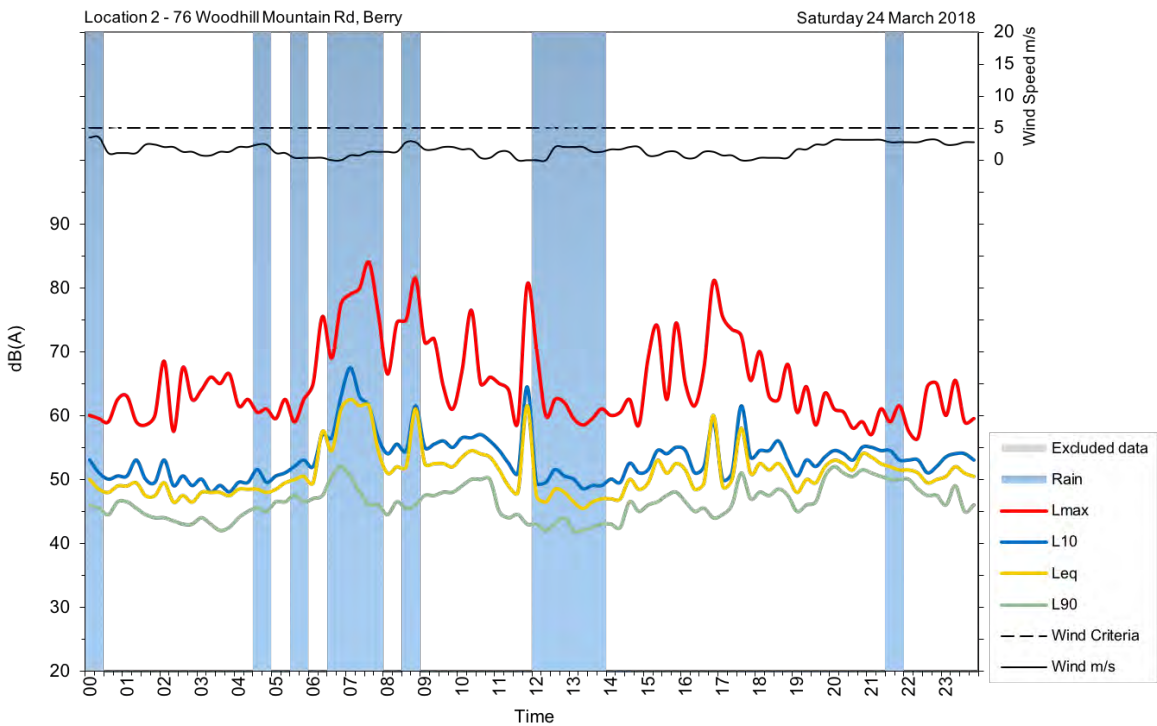
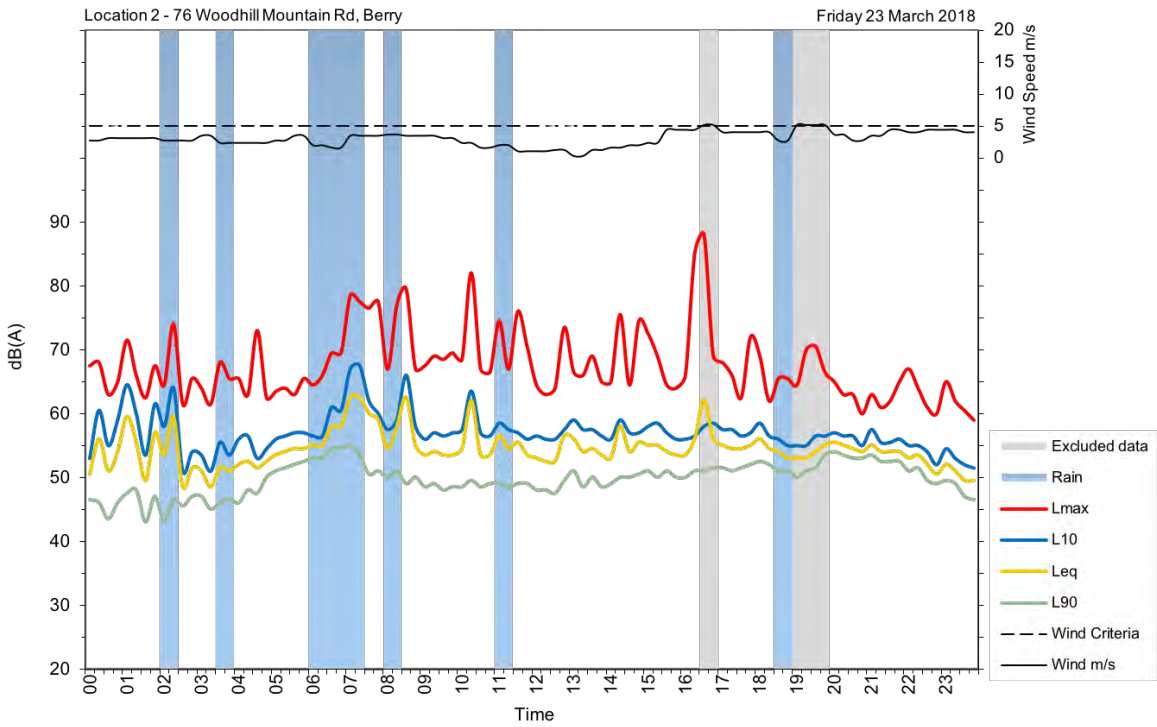


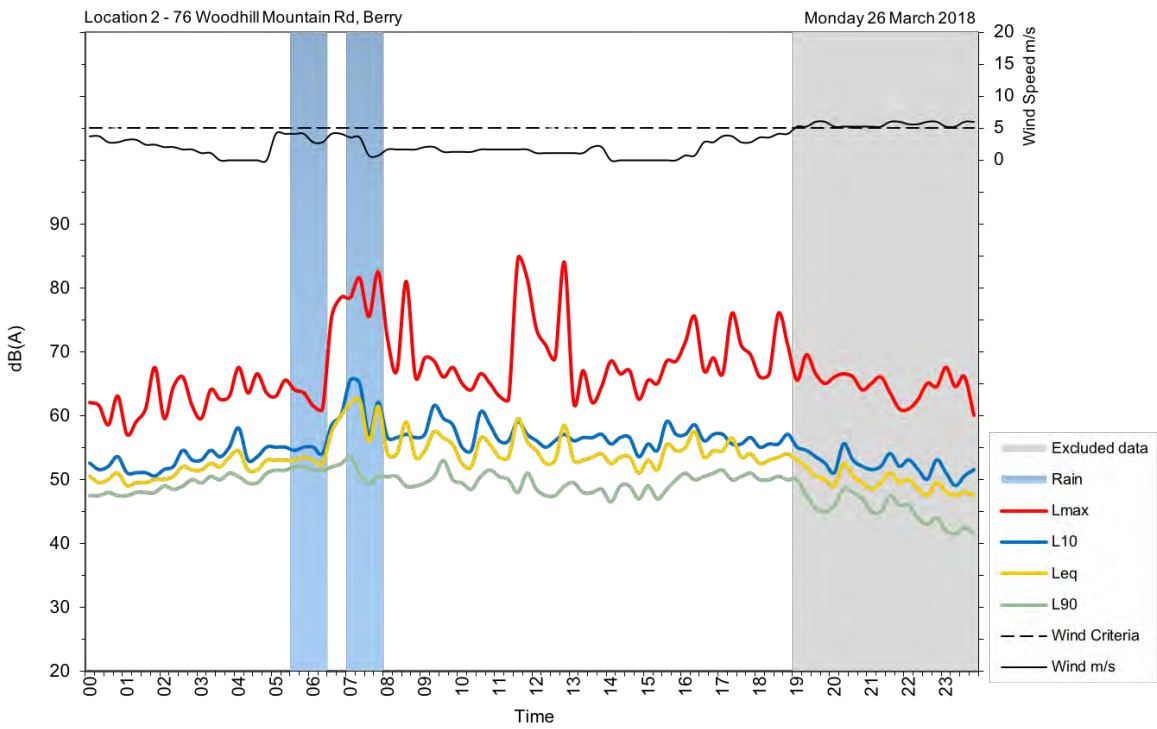
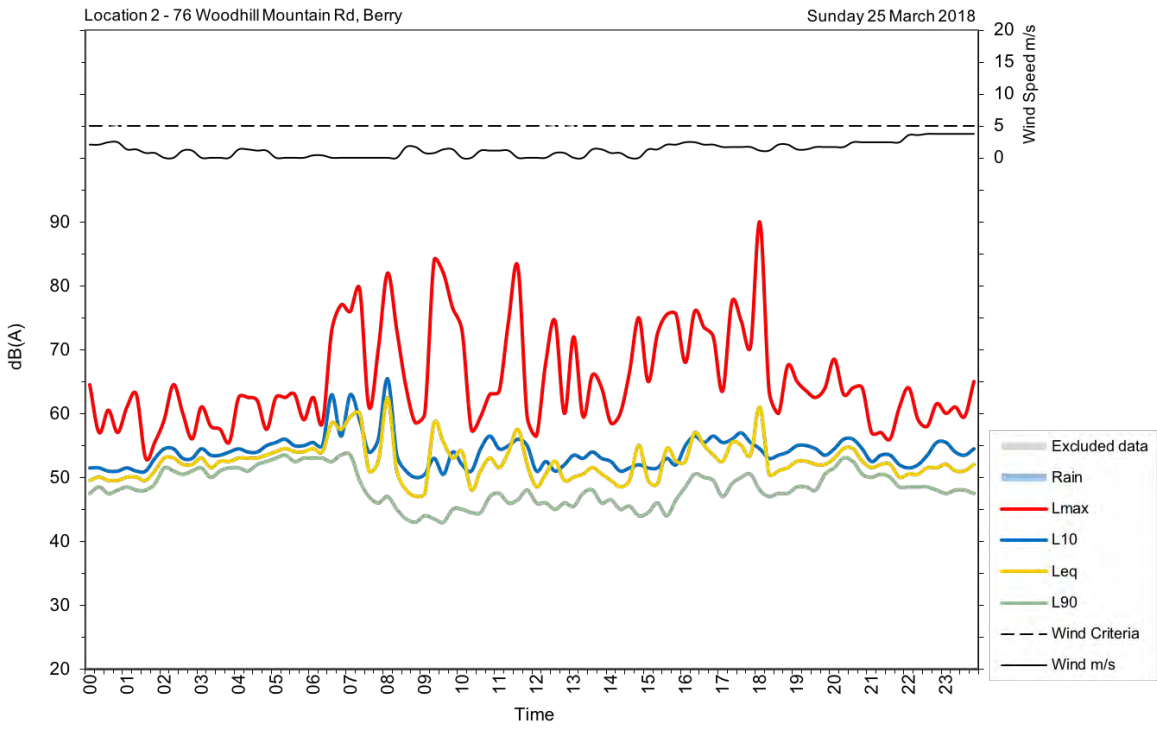
Date	Day, L <sub>Aeq</sub> (15-hour)	Night, L <sub>Aeq</sub> (9-hour)
Monday, 19 March 2018	51	56
Tuesday, 20 March 2018	58	58
Wednesday, 21 March 2018	60	58
Thursday, 22 March 2018	58	56
Friday, 23 March 2018	55	49
Saturday, 24 March 2018	53	56
Sunday, 25 March 2018	54	53
Monday, 26 March 2018	55	50
Tuesday, 27 March 2018	56	
Wednesday, 28 March 2018	60	58
Thursday, 29 March 2018	60	57
Friday, 30 March 2018	57	53
Saturday, 31 March 2018	58	53
Sunday, 1 April 2018	56	54
Monday, 2 April 2018	57	58
Tuesday, 3 April 2018	59	56
Wednesday, 4 April 2018	59	56
Thursday, 5 April 2018	58	55
Friday, 6 April 2018	59	54
Saturday, 7 April 2018	56	50
Sunday, 8 April 2018	55	57
Monday, 9 April 2018	56	55
Tuesday, 10 April 2018	59	
<b>Overall</b>	<b>57</b>	<b>55</b>

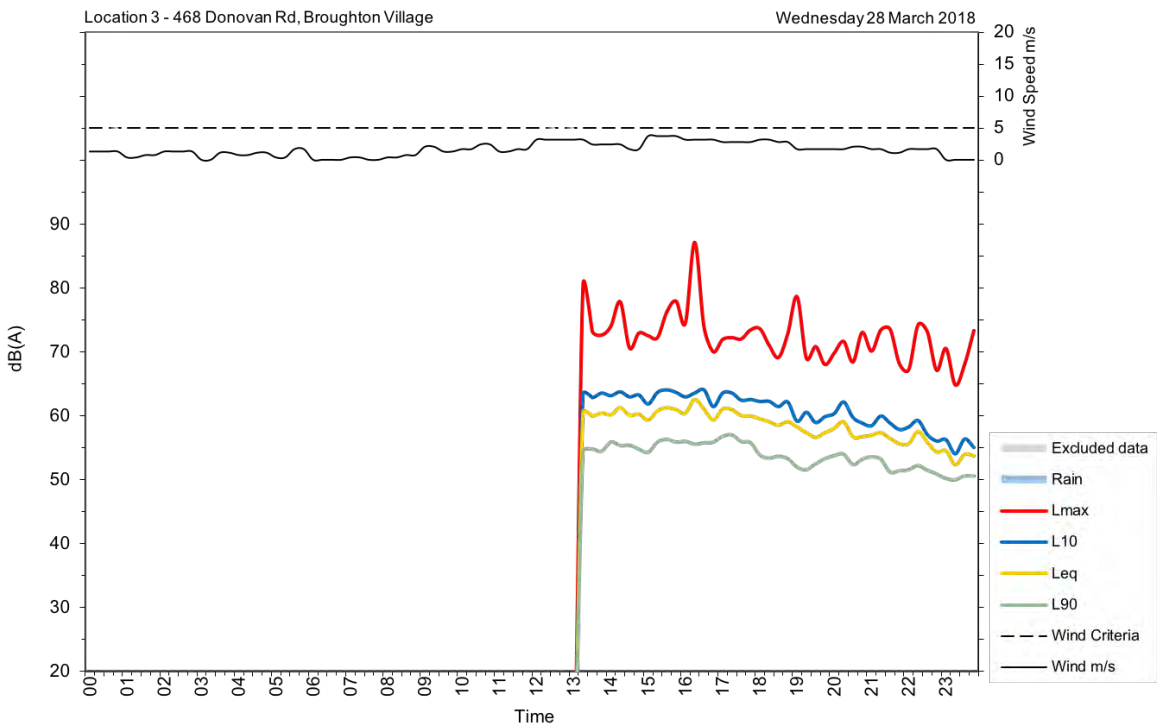
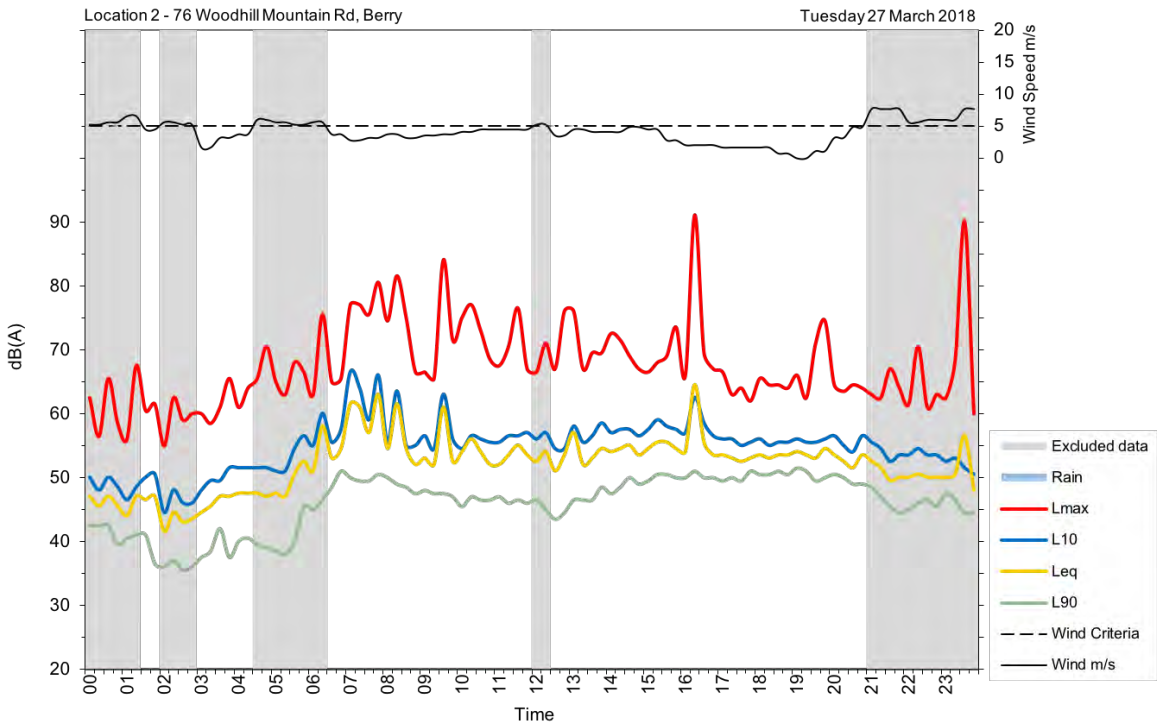




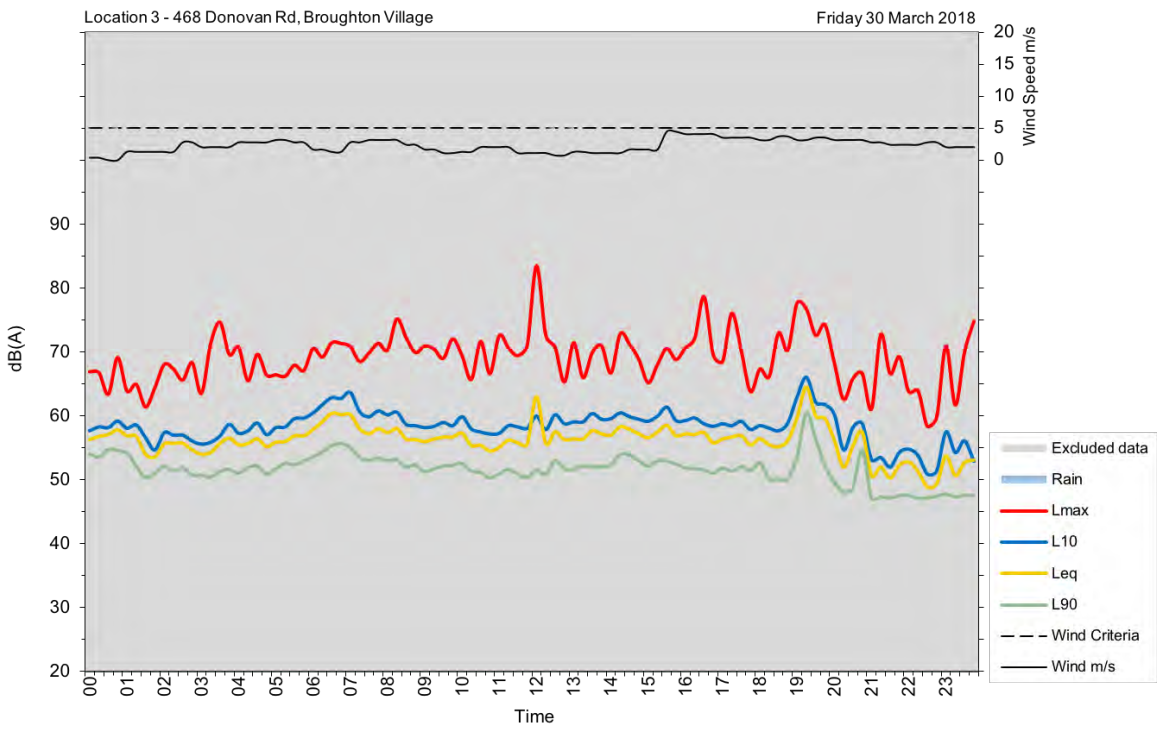
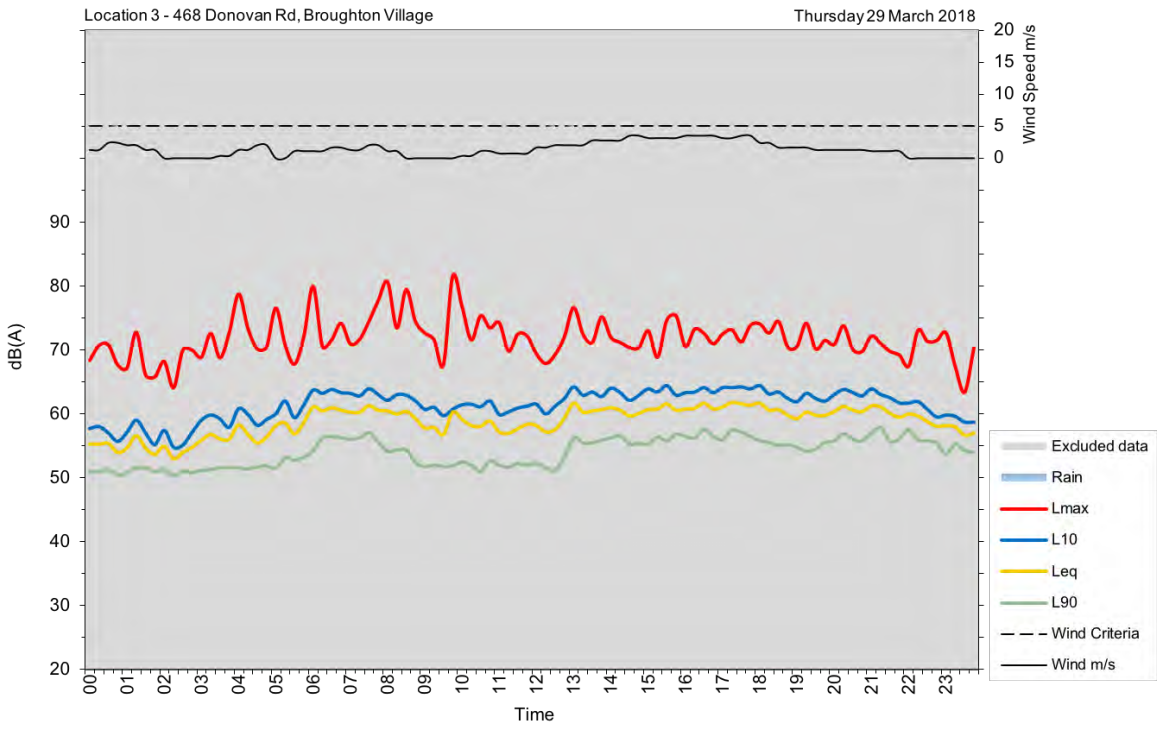


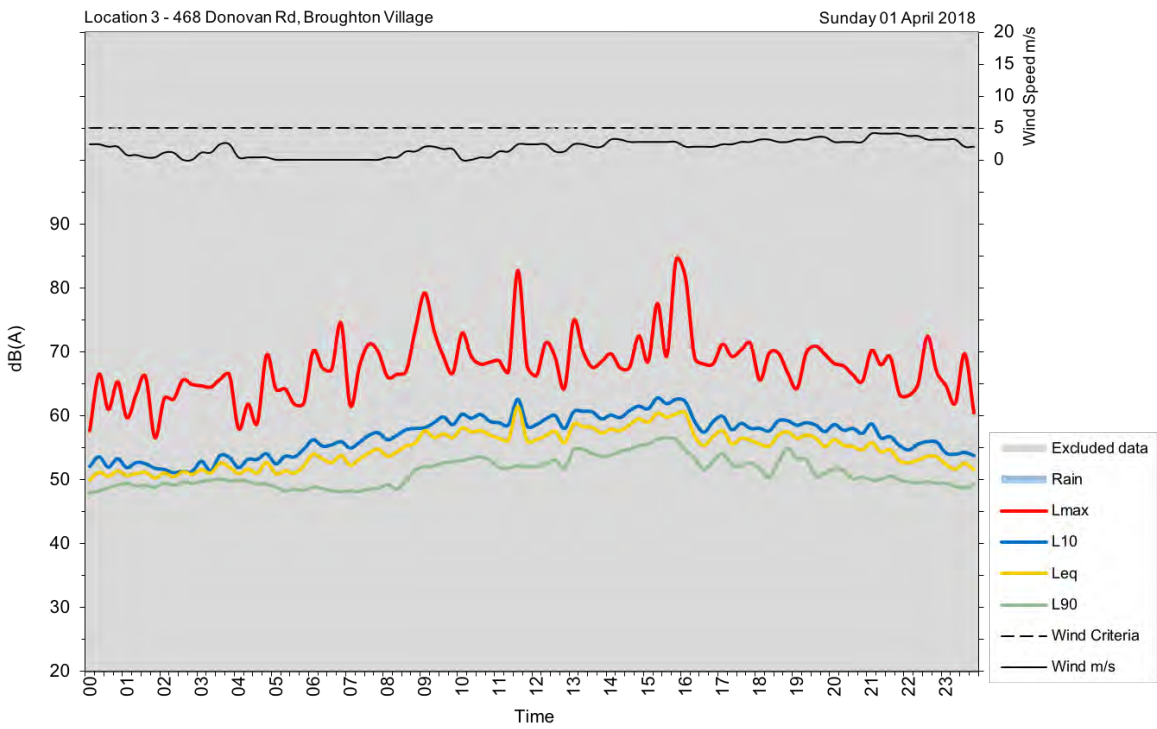
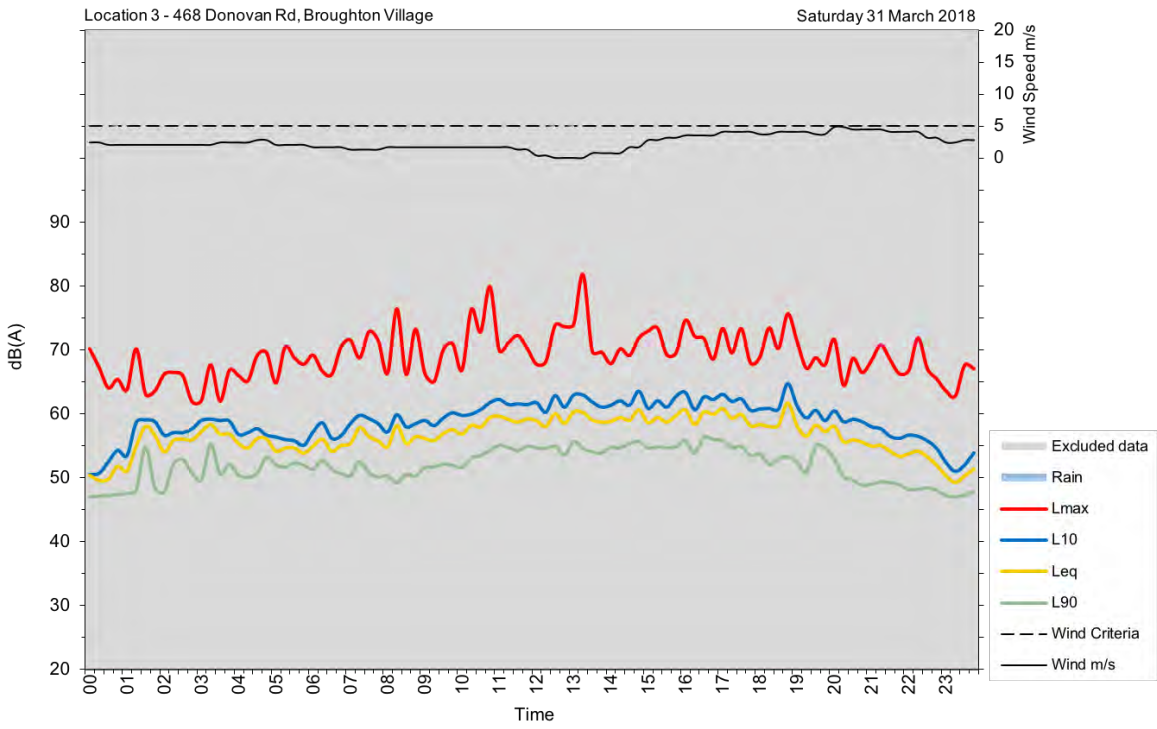


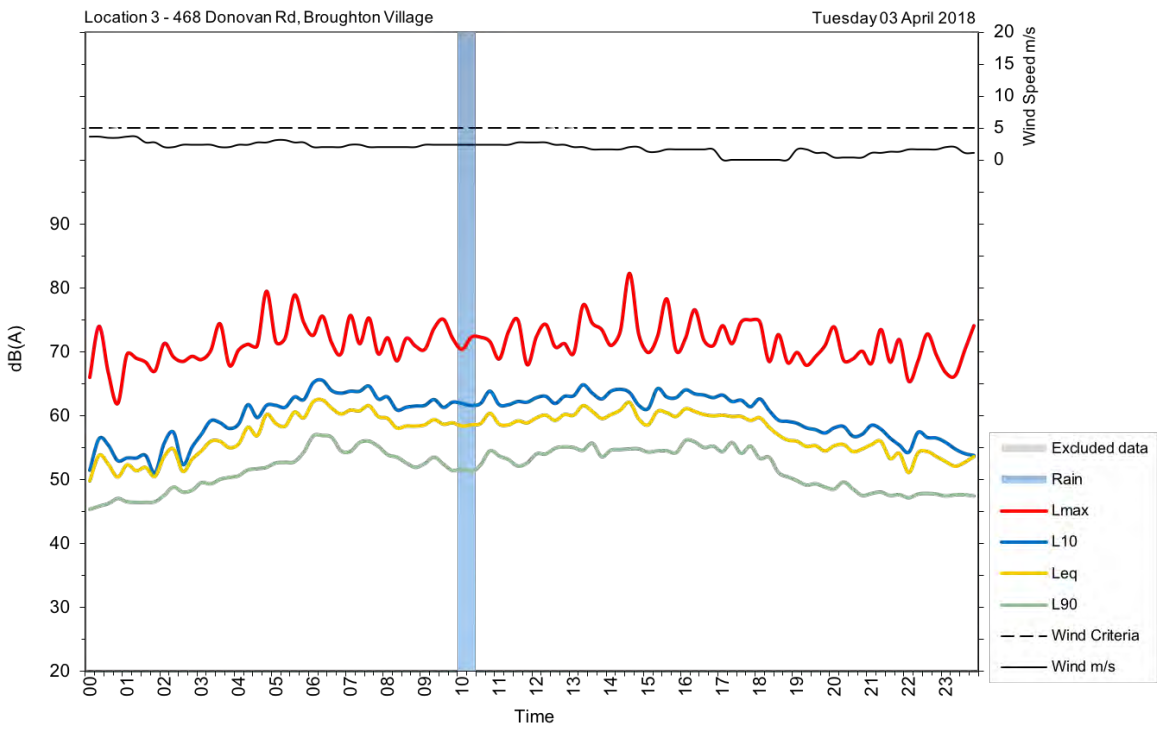
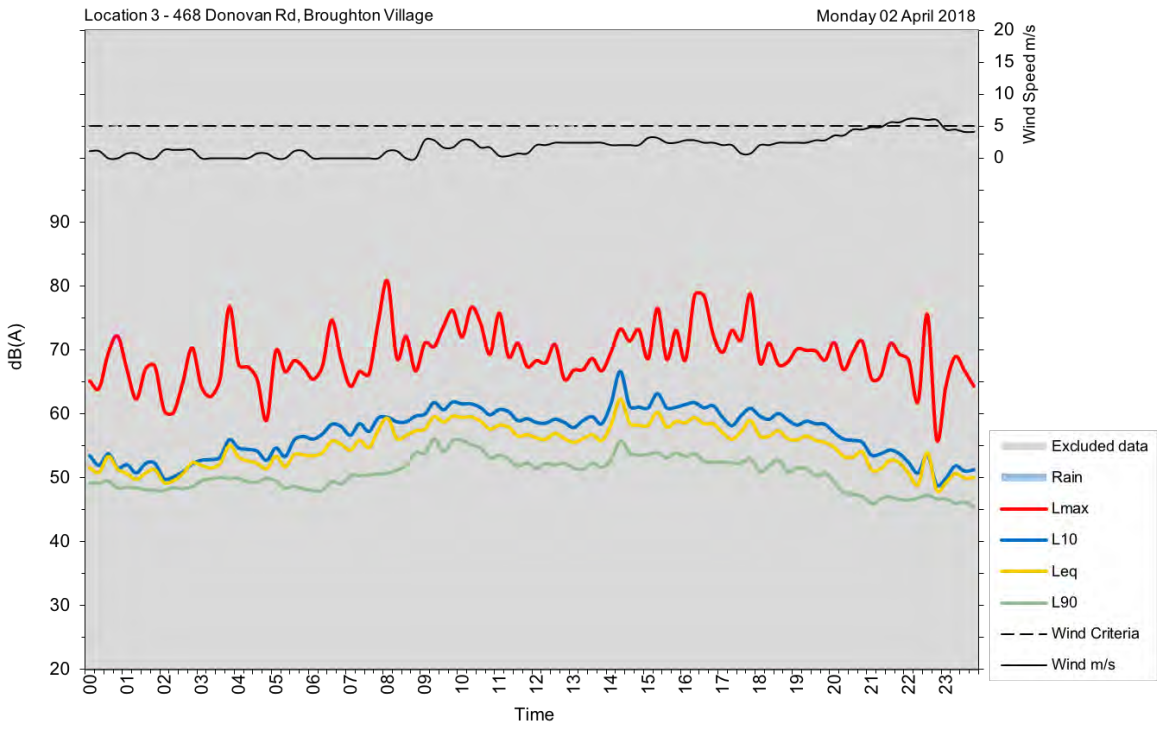




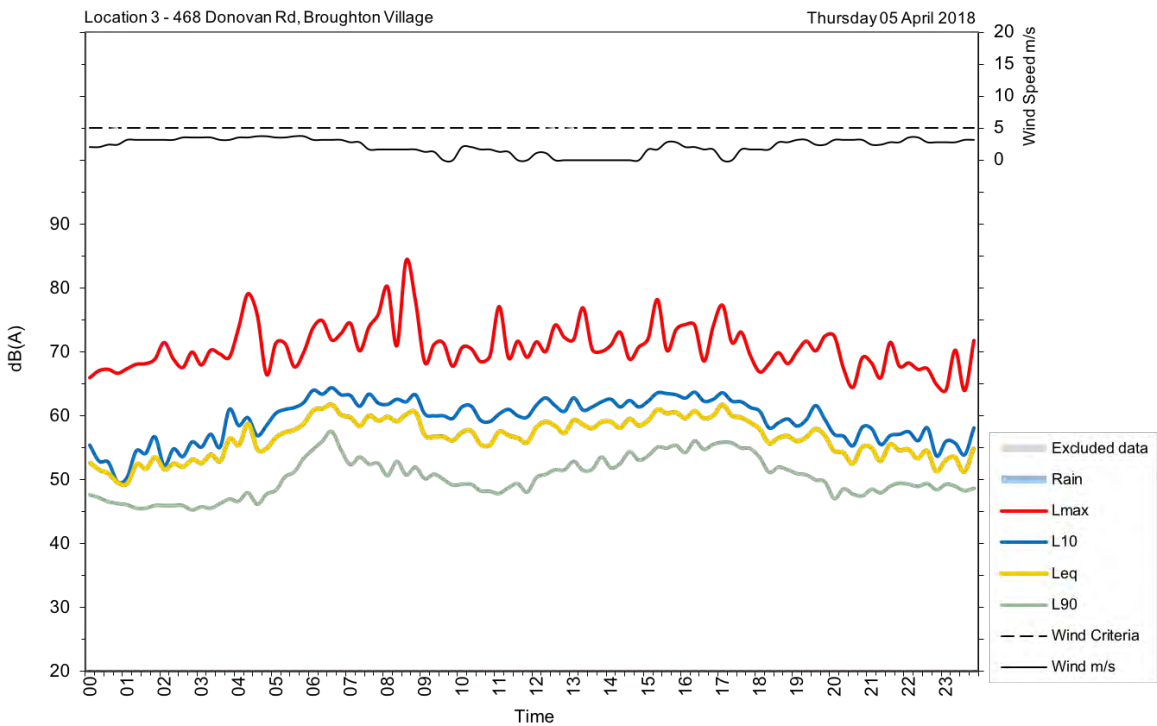
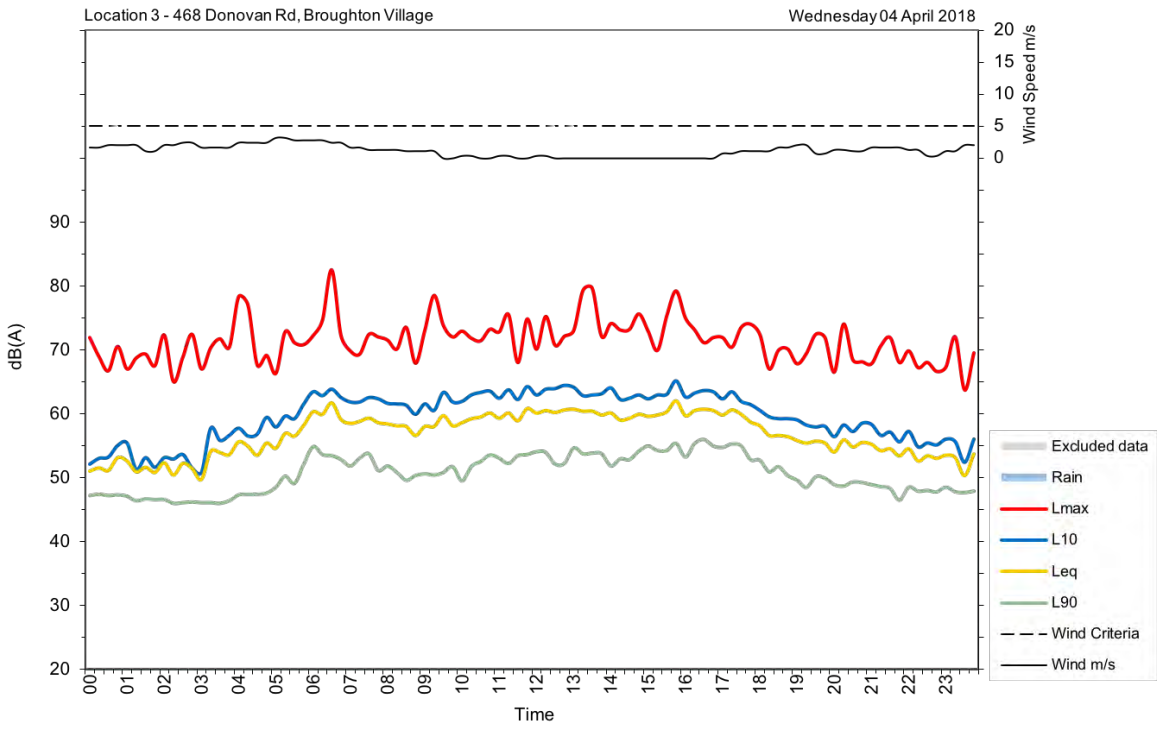


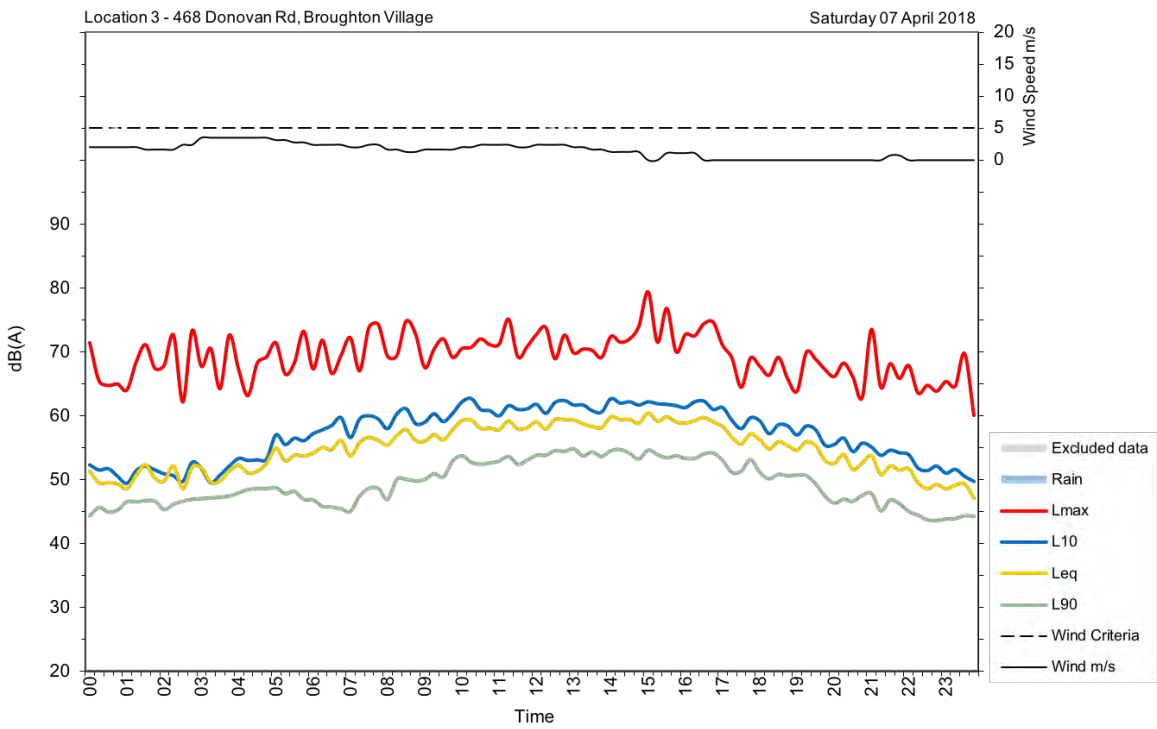
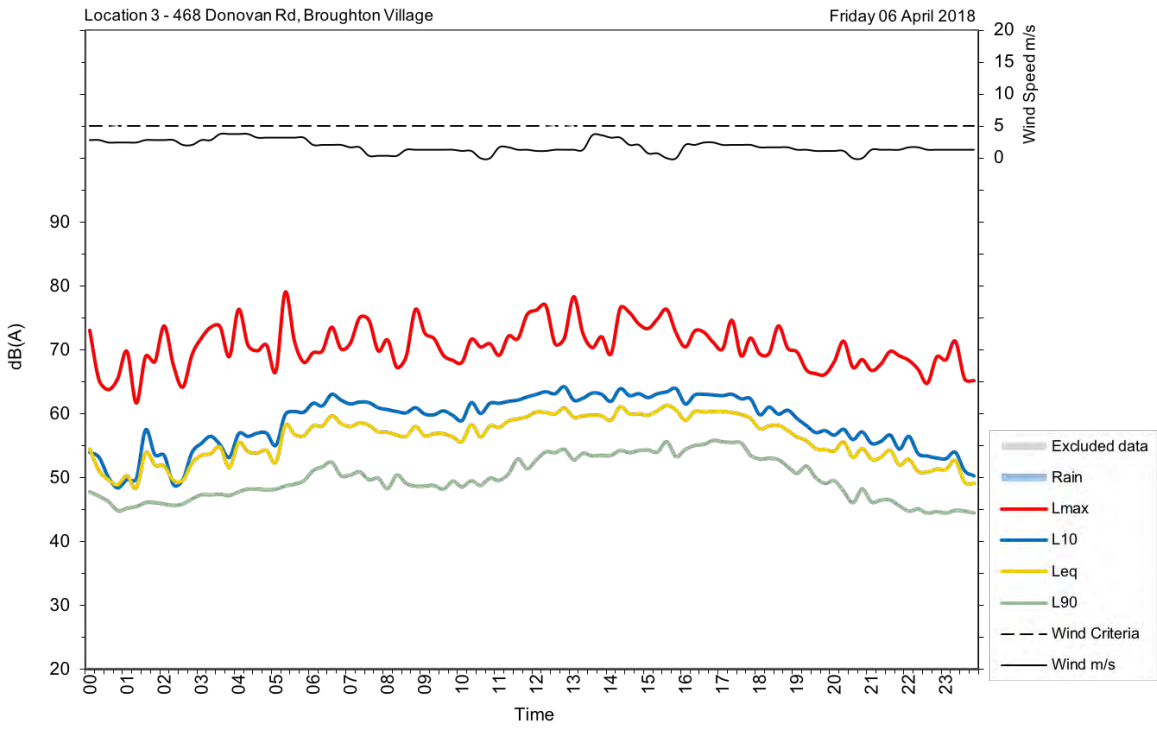


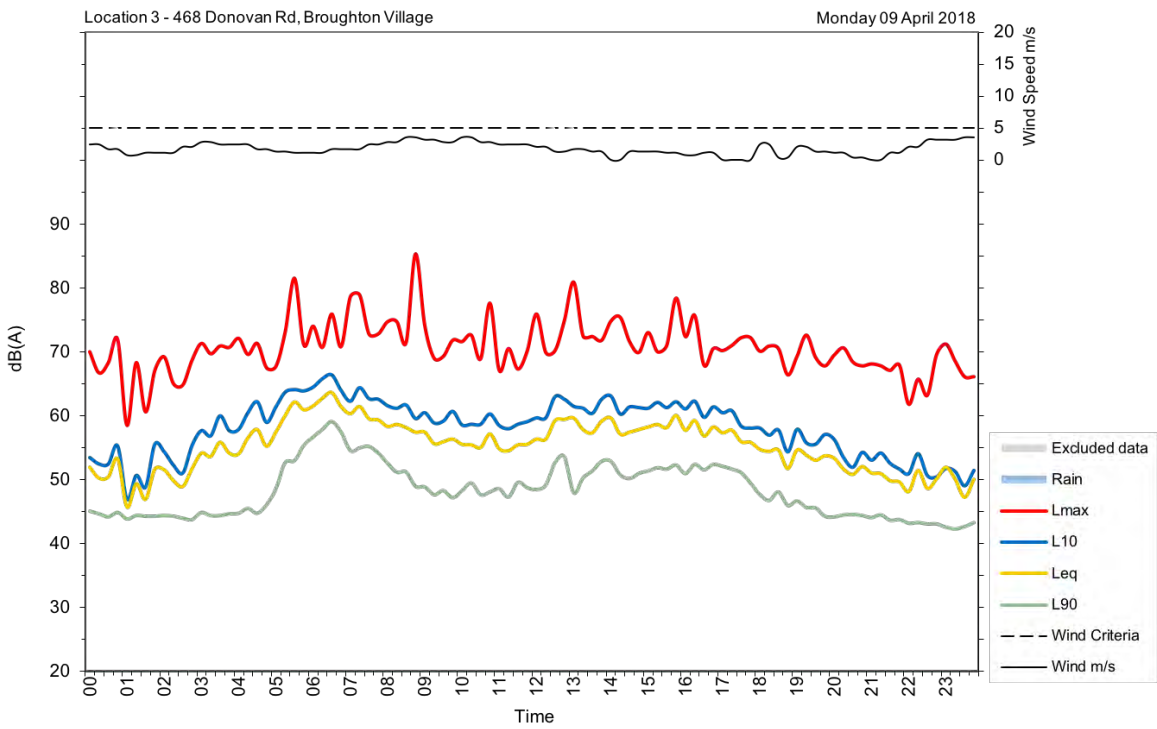
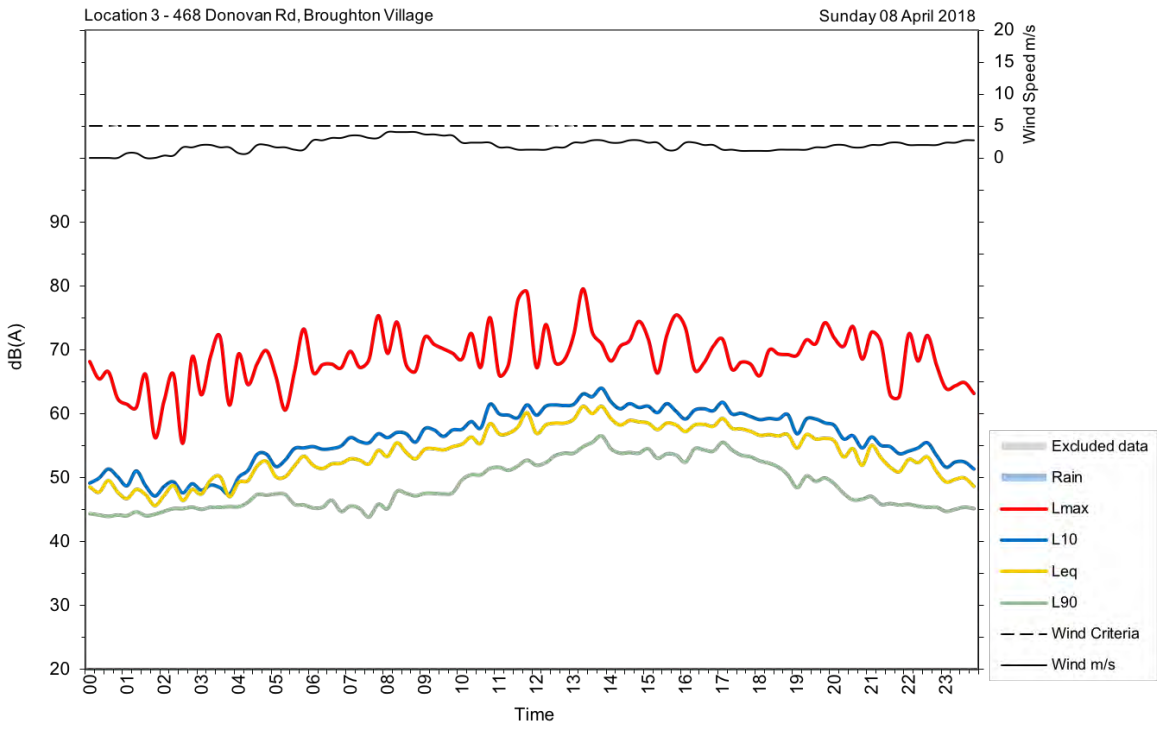




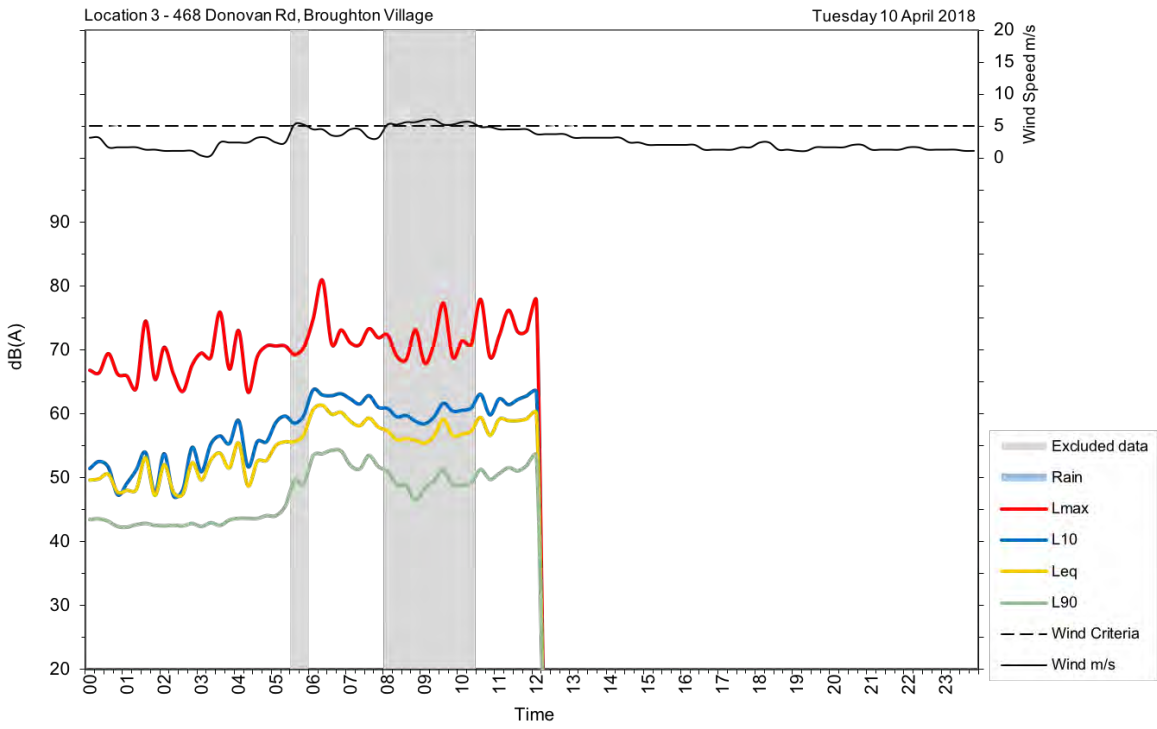










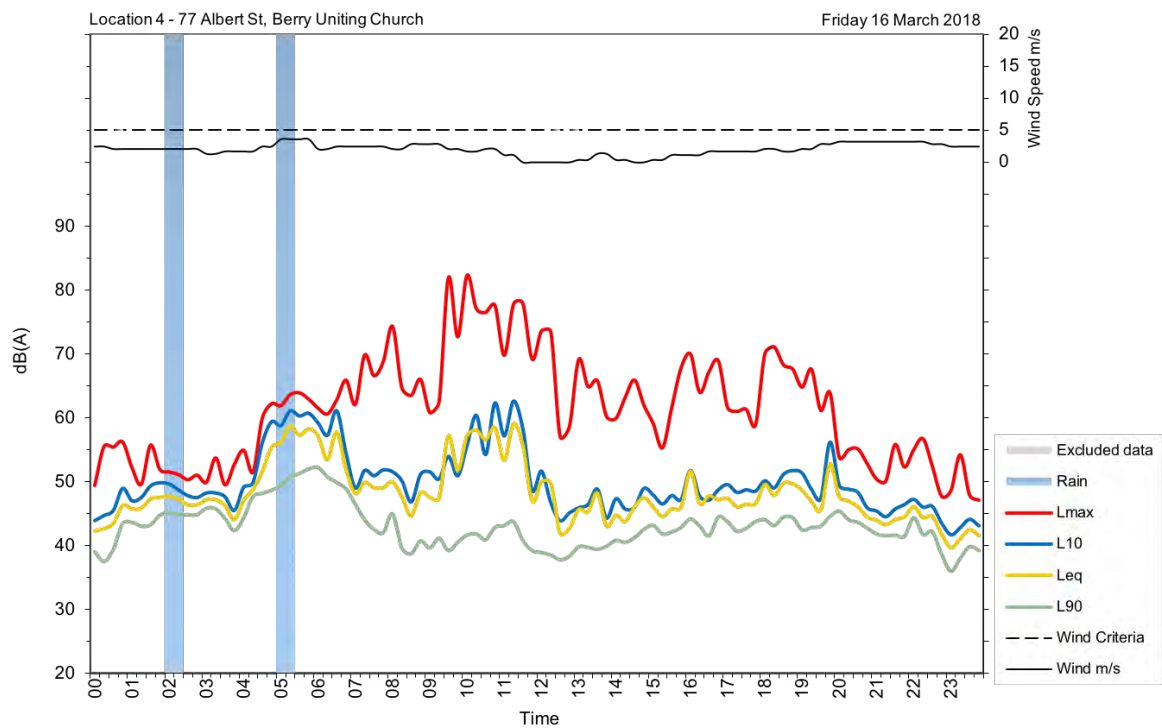
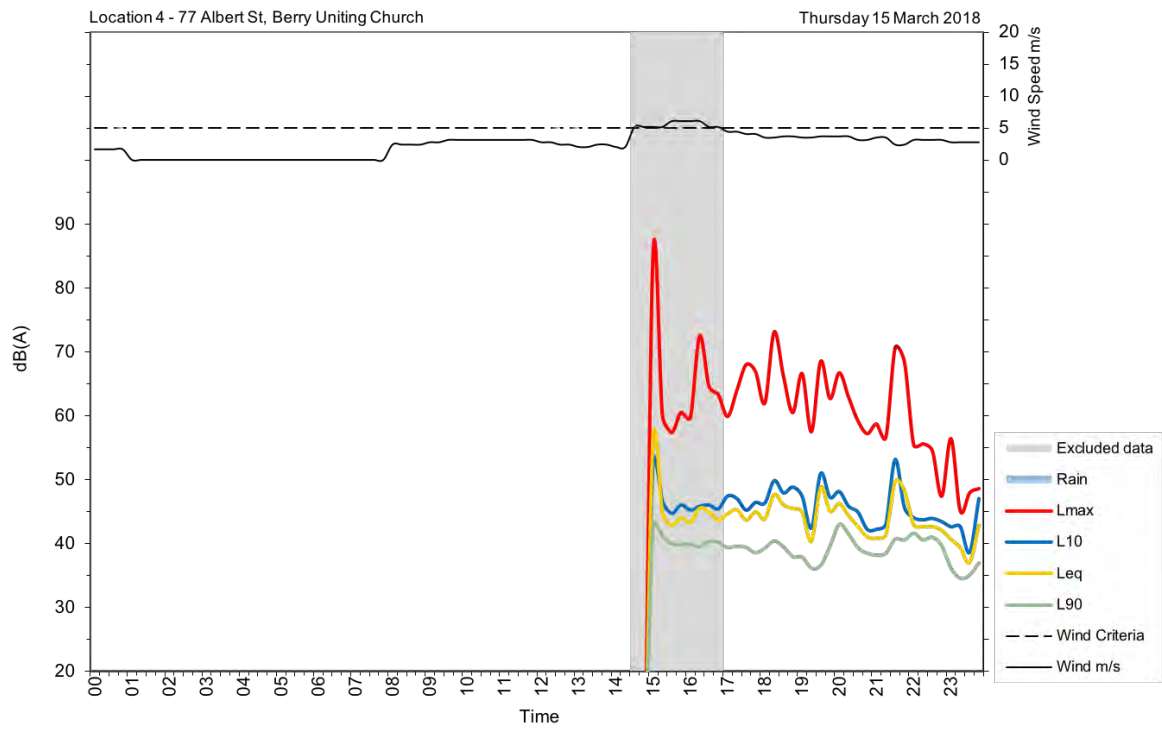


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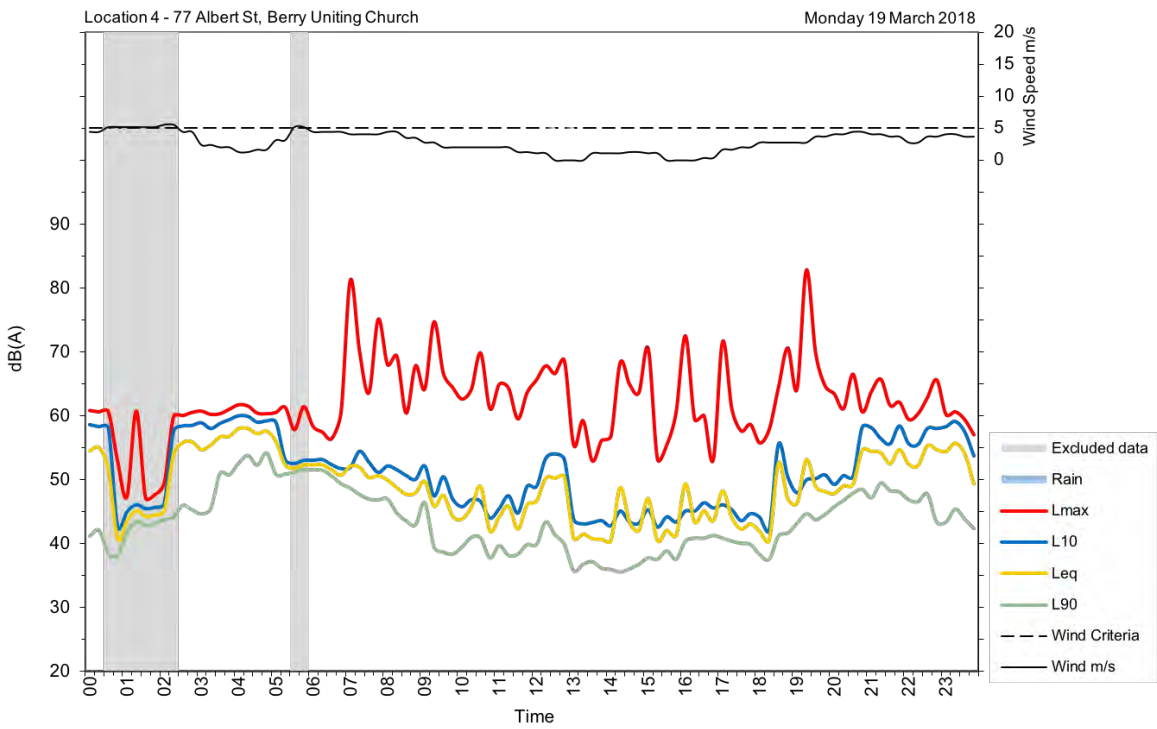
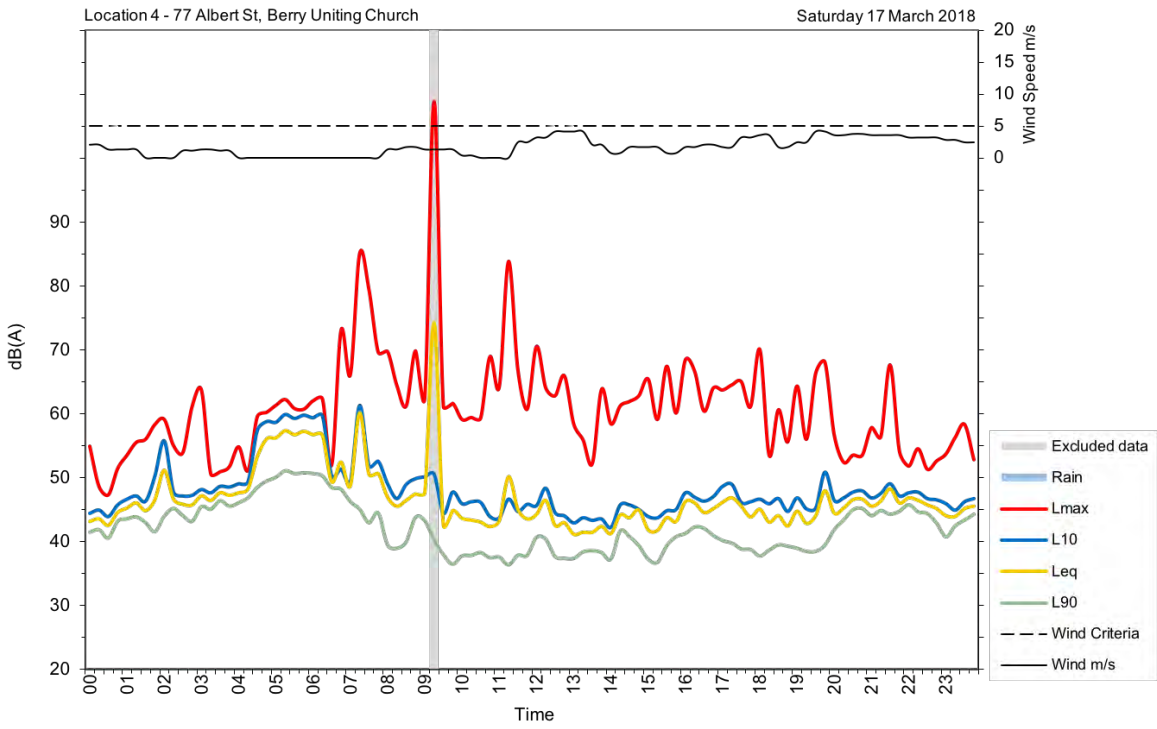
<b>Address/location</b>	77 Albert St, Berry (Berry Uniting Church)
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Thursday, 15 March 2018 to Wednesday, 28 March 2018

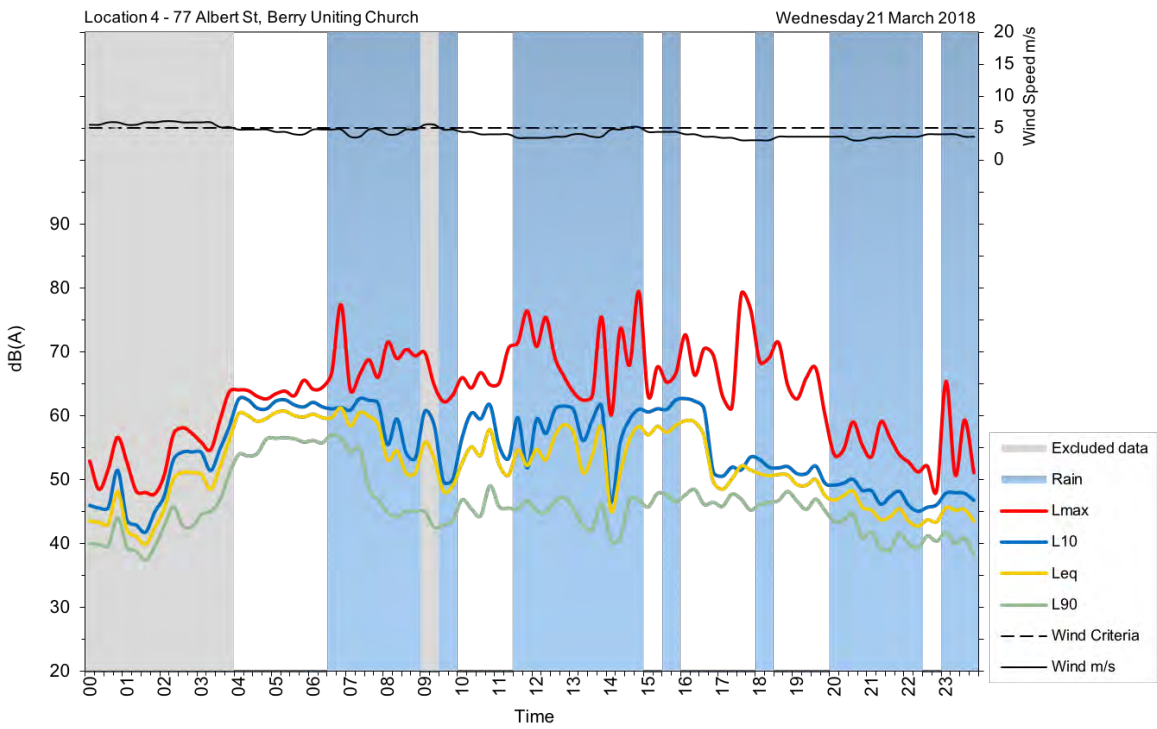
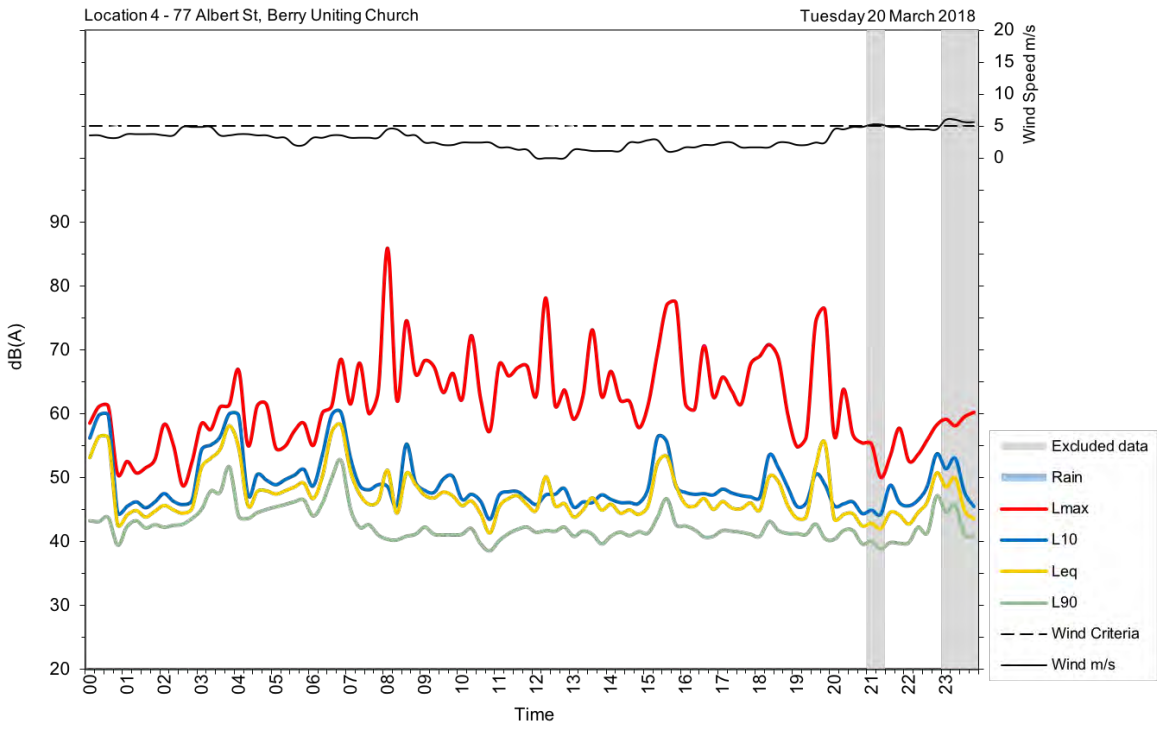


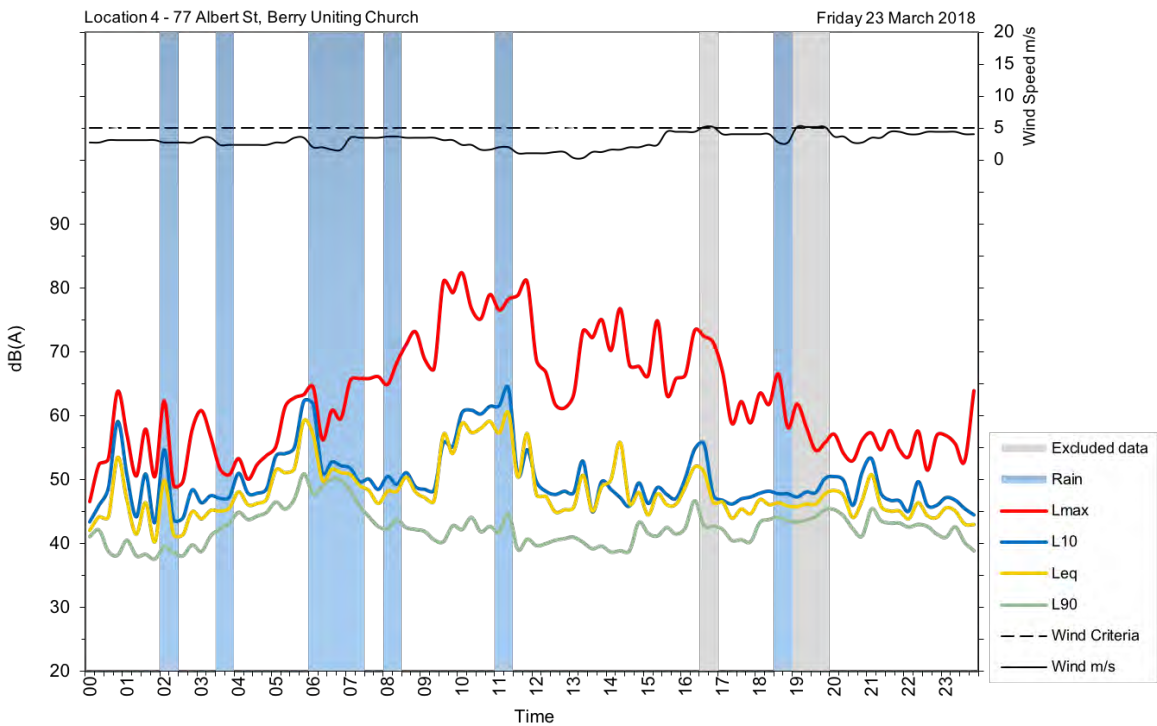
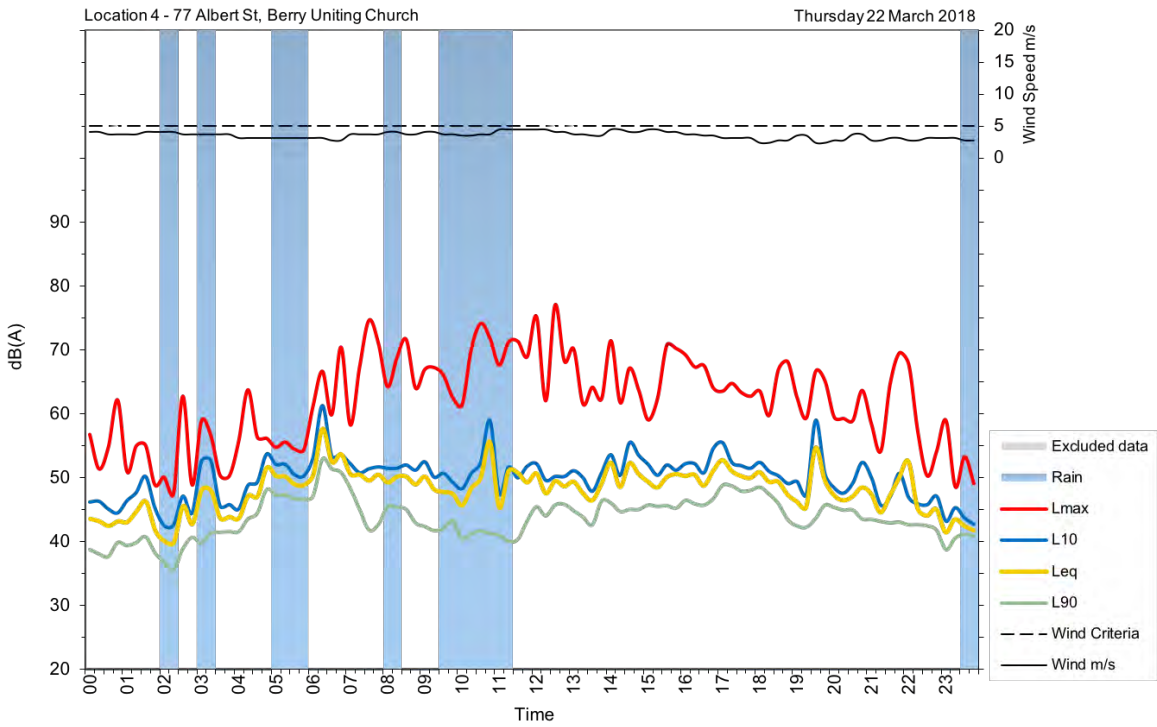
<b>Date</b>	<b>Day, L<sub>Aeq</sub>(15-hour)</b>	<b>Night, L<sub>Aeq</sub>(9-hour)</b>
Thursday, 15 March 2018	47	54
Friday, 16 March 2018	53	54
Saturday, 17 March 2018	45	54
Sunday, 18 March 2018	51	56
Monday, 19 March 2018	50	54
Tuesday, 20 March 2018	48	48
Wednesday, 21 March 2018	56	50
Thursday, 22 March 2018	51	51
Friday, 23 March 2018	53	51
Saturday, 24 March 2018	46	53
Sunday, 25 March 2018	49	46
Monday, 26 March 2018	54	40
Tuesday, 27 March 2018	50	45
Wednesday, 28 March 2018	56	
<b>Overall</b>	<b>52</b>	<b>52</b>

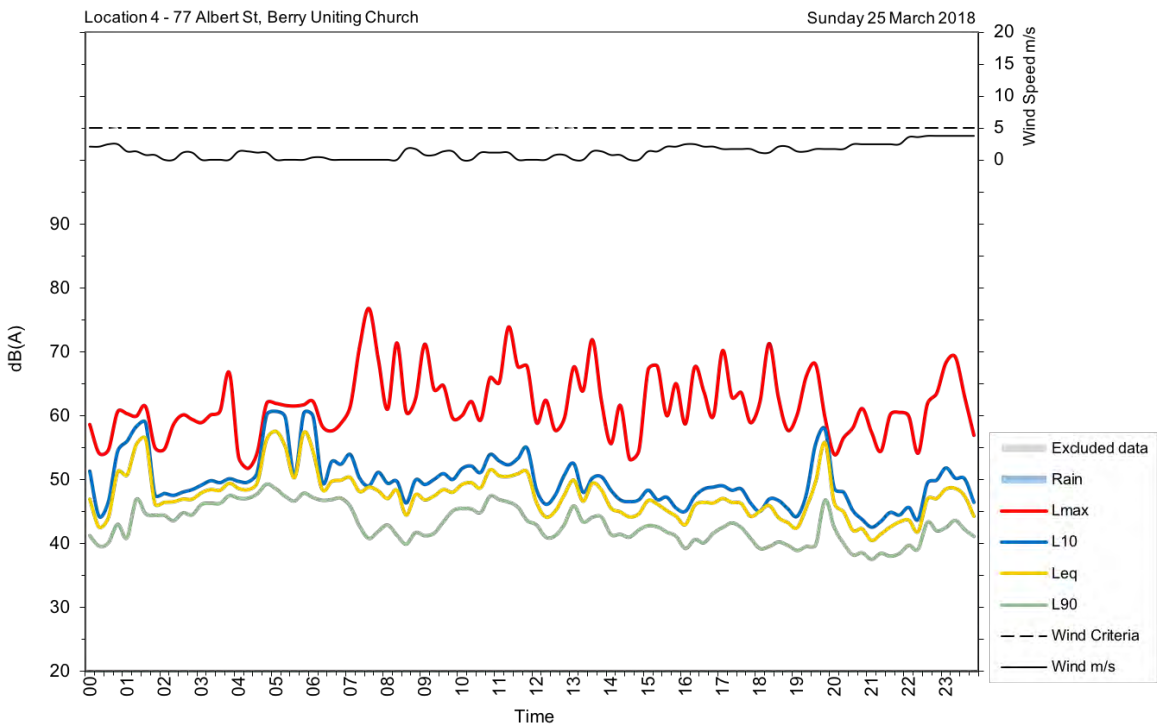
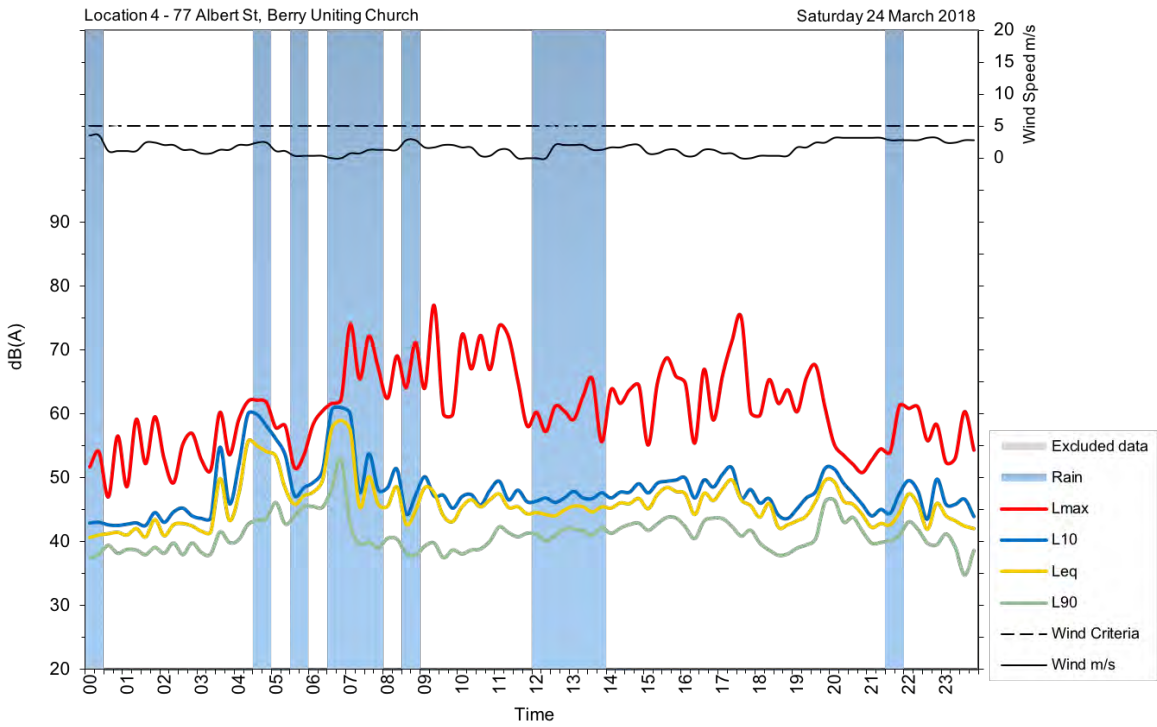




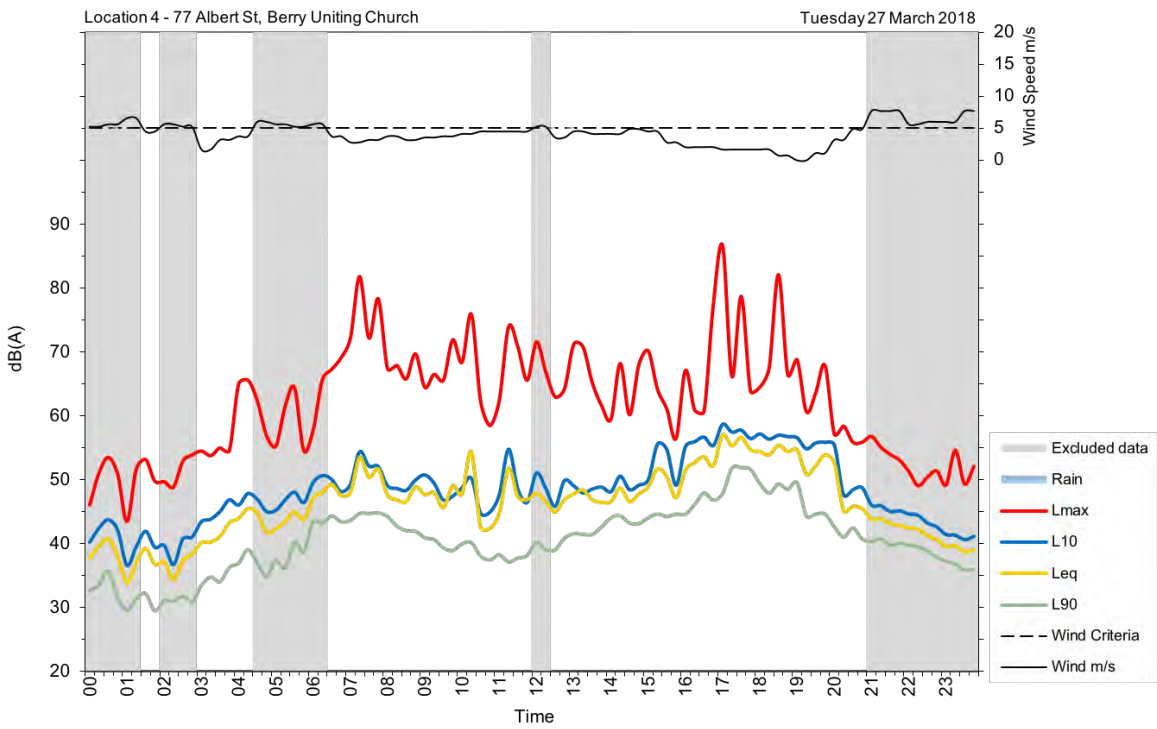
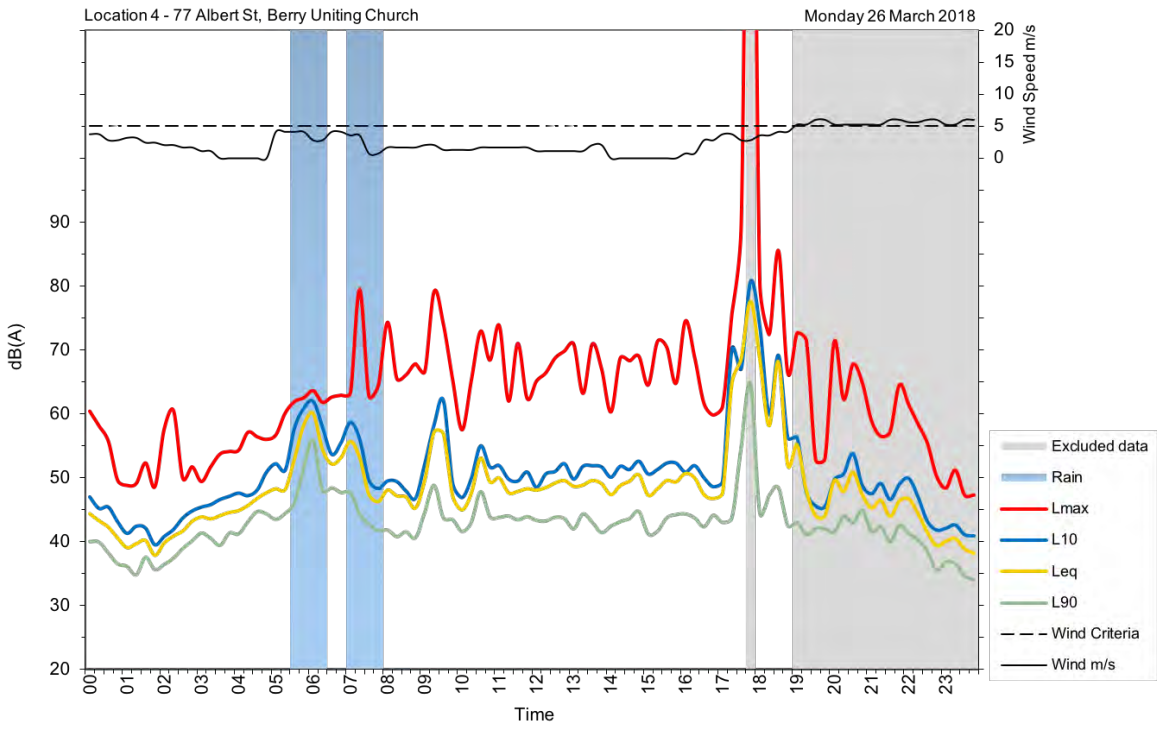


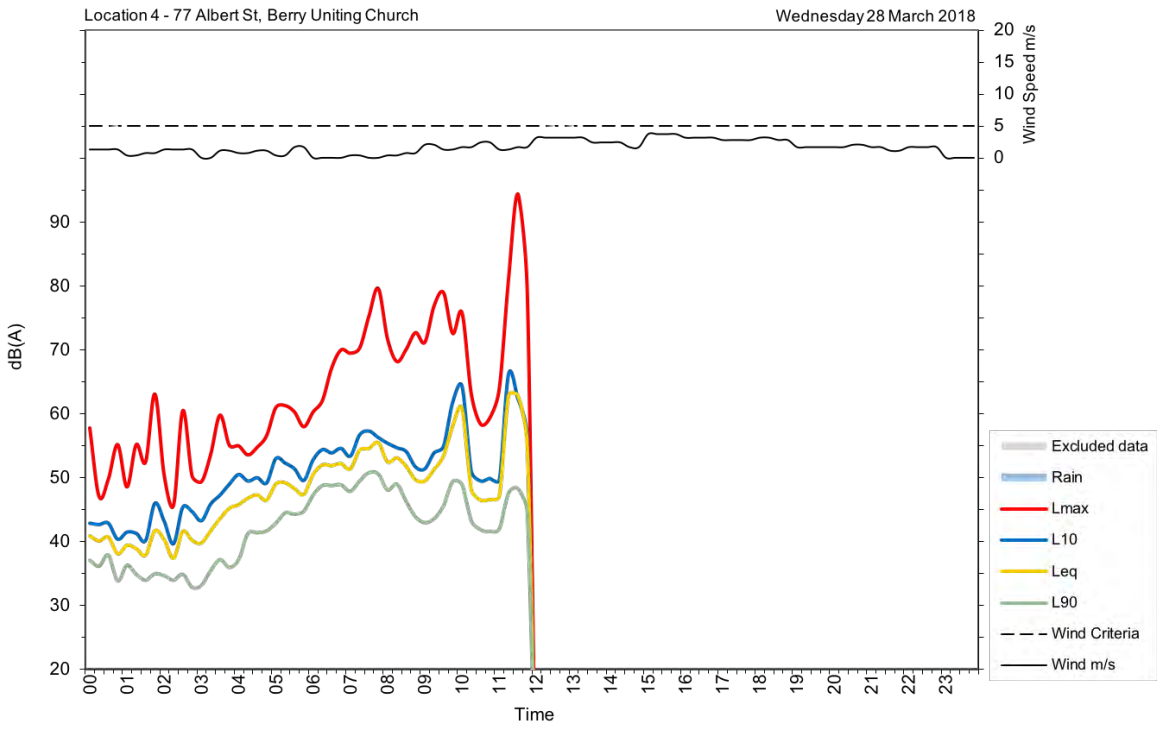












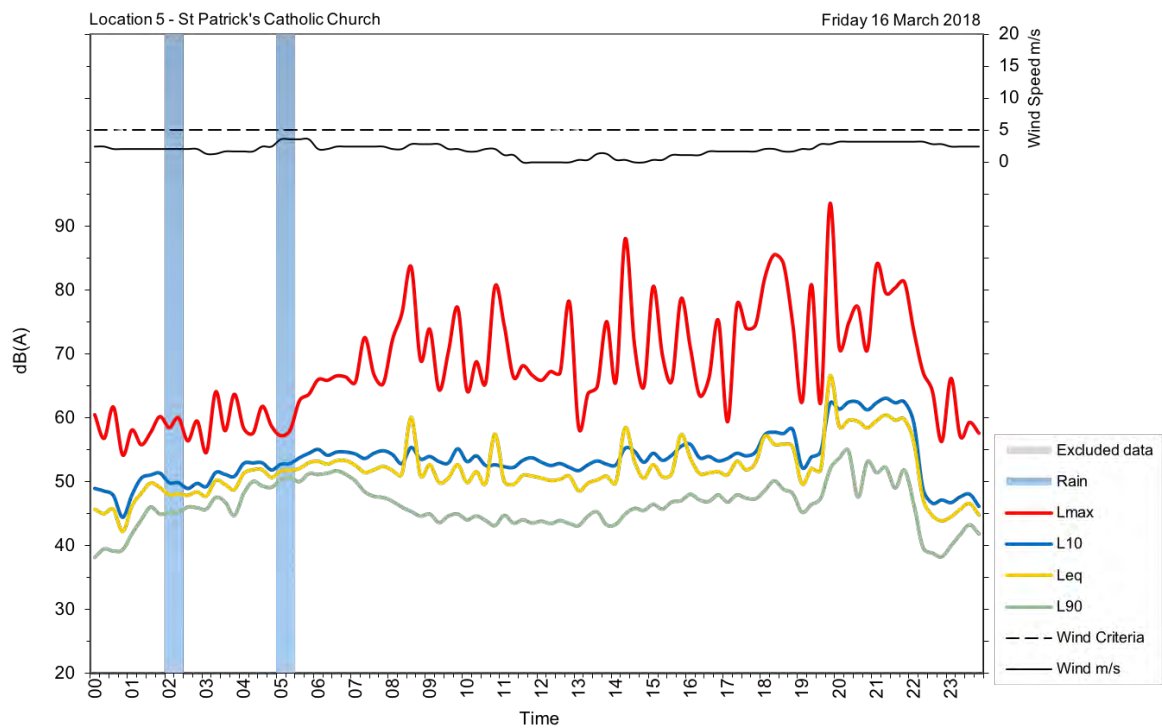
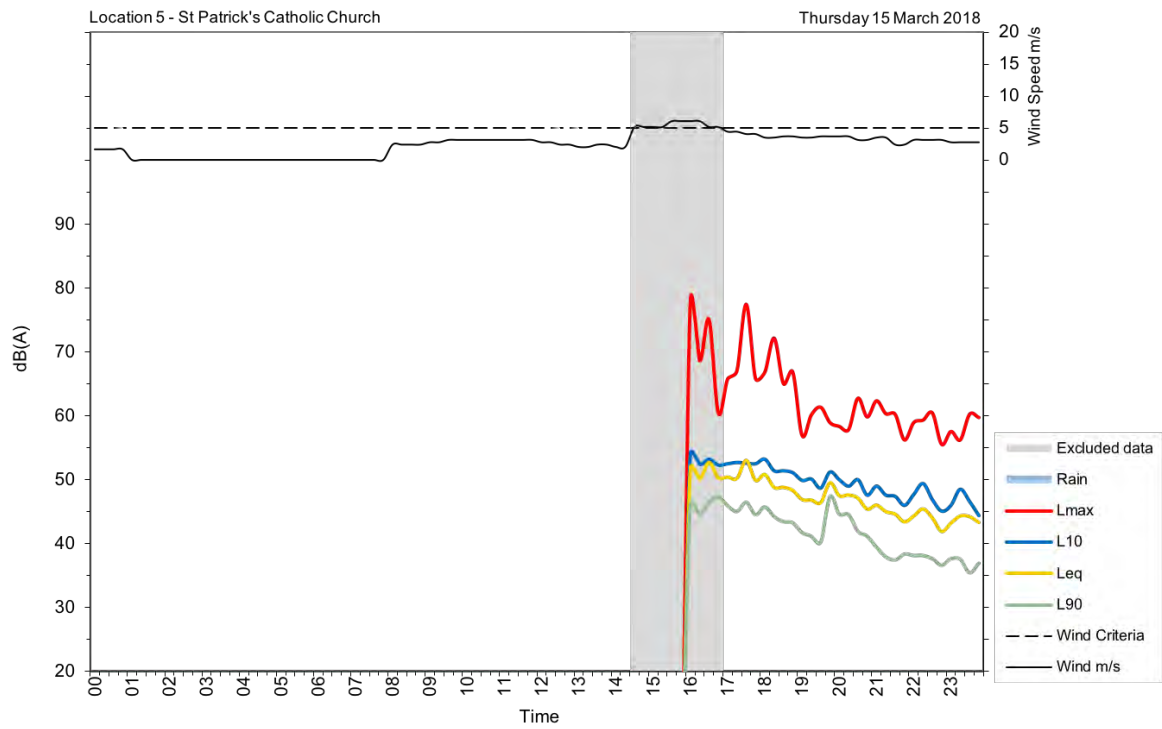
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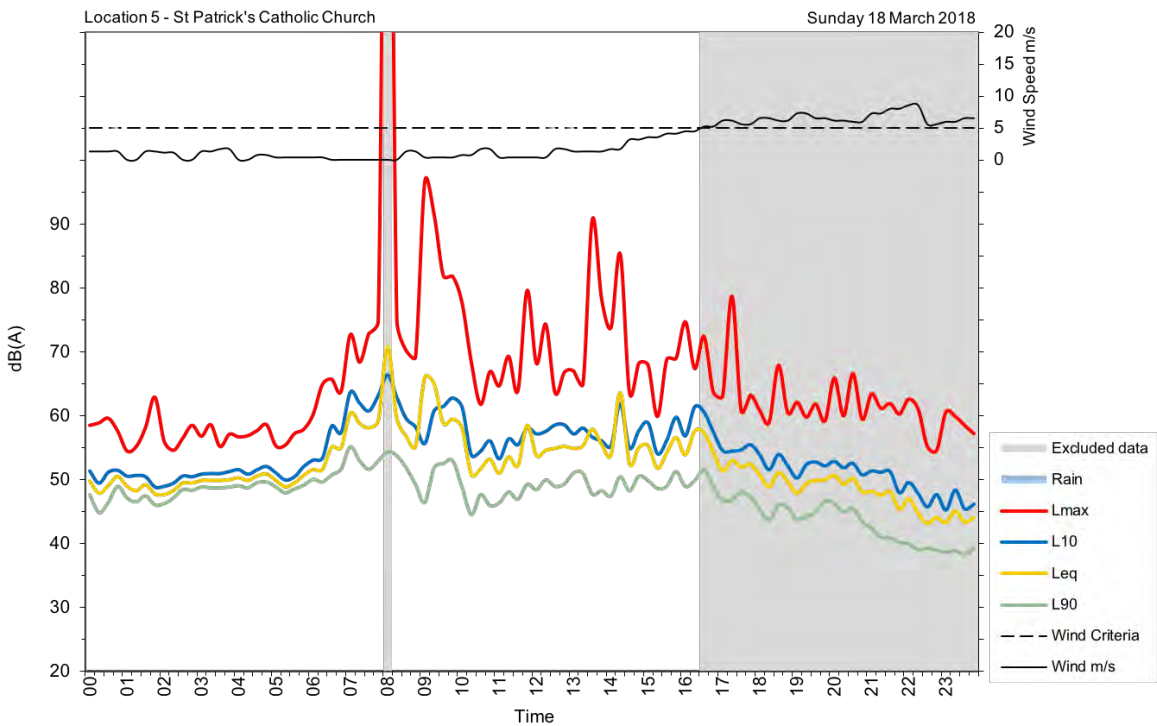
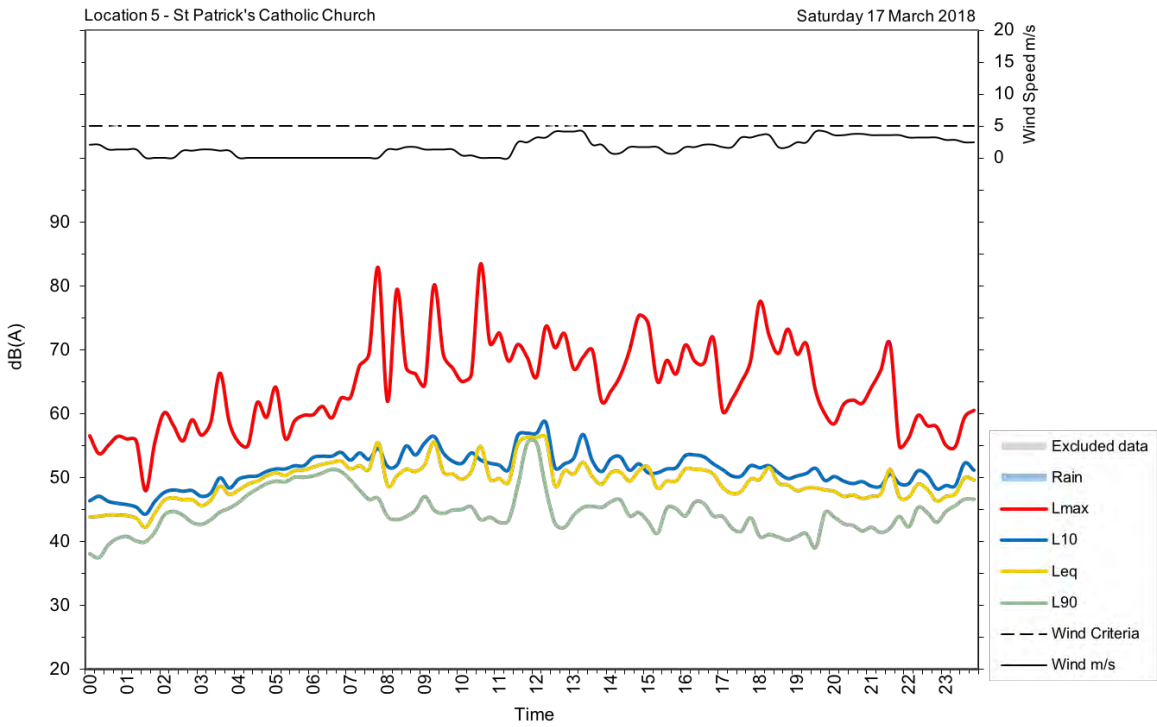
<b>Address/location</b>	80 North St, Berry (St Patricks Catholic Church)
<b>Measurement location</b>	1 m from facade (nearest affected corner of structure)
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Thursday, 15 March 2018 to Wednesday, 28 March 2018

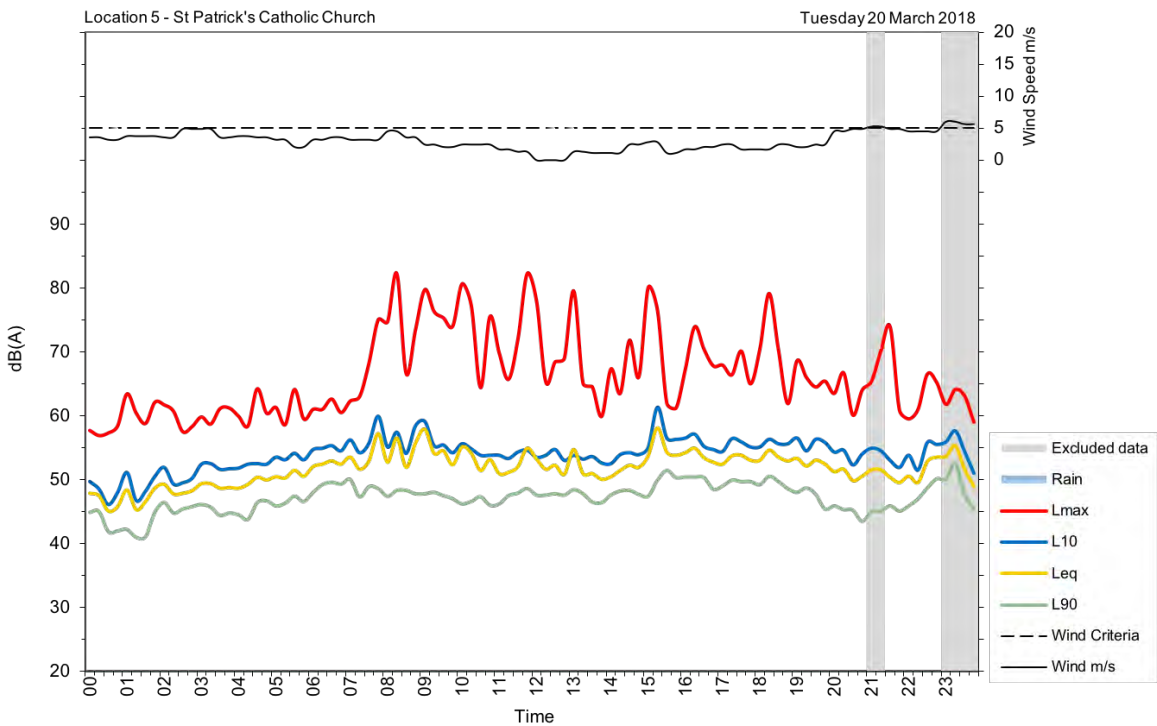
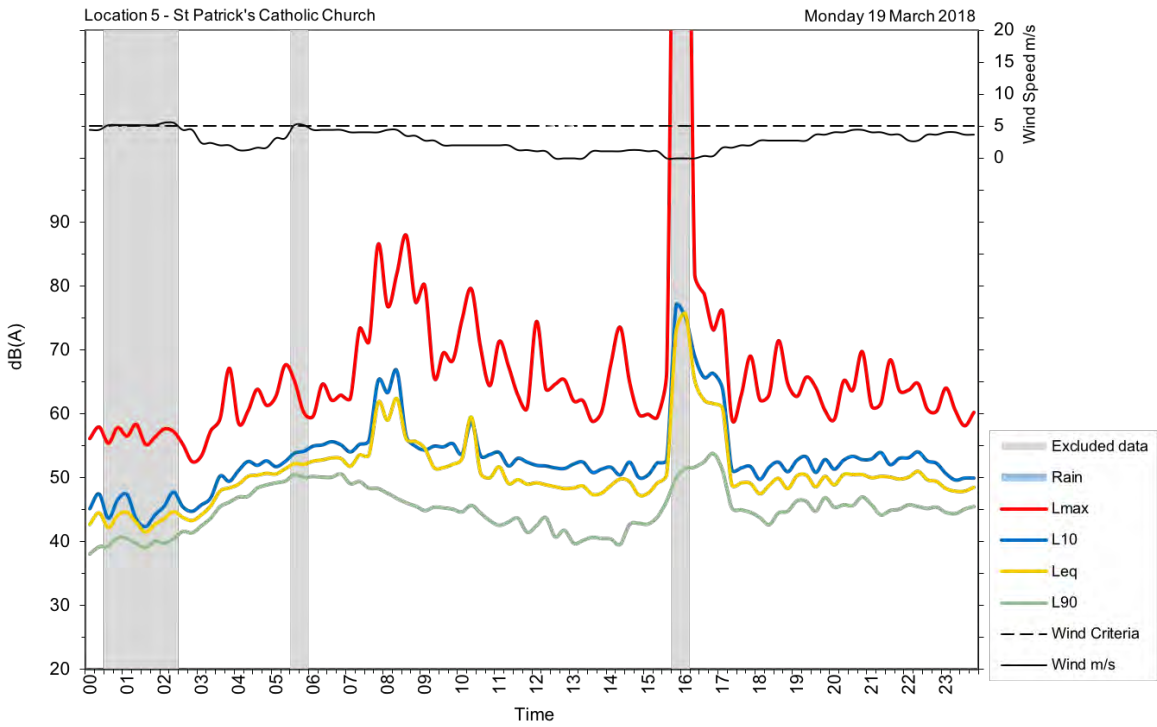


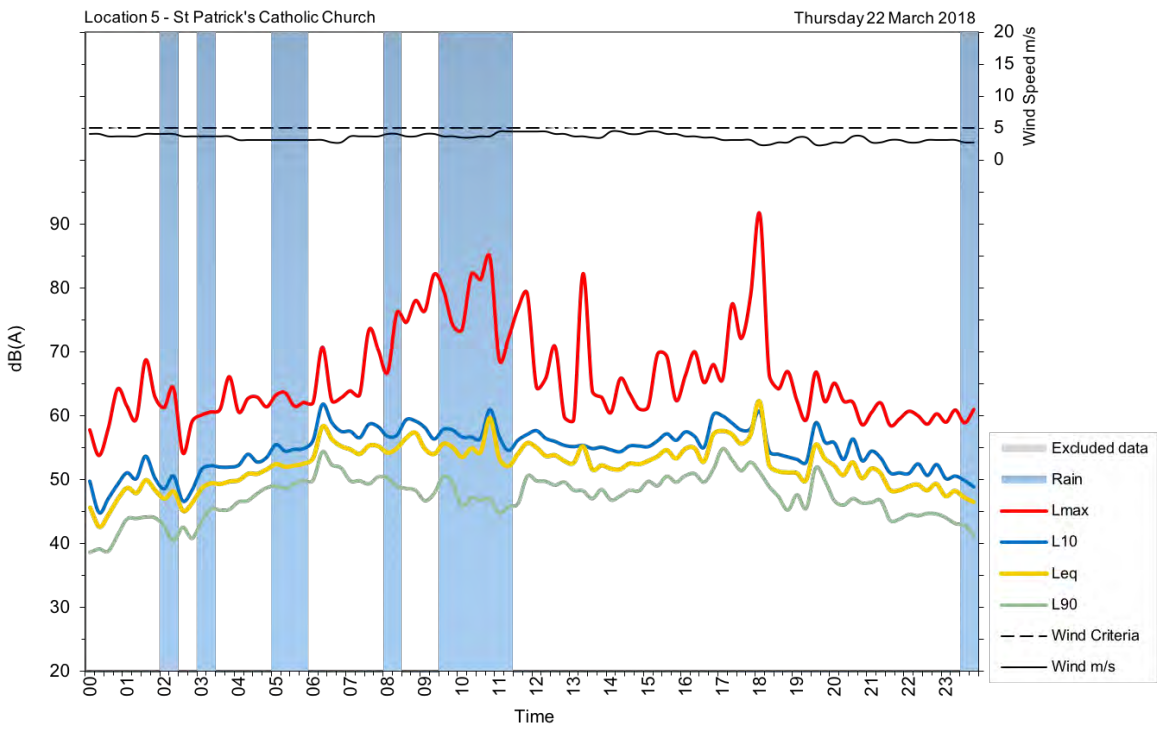
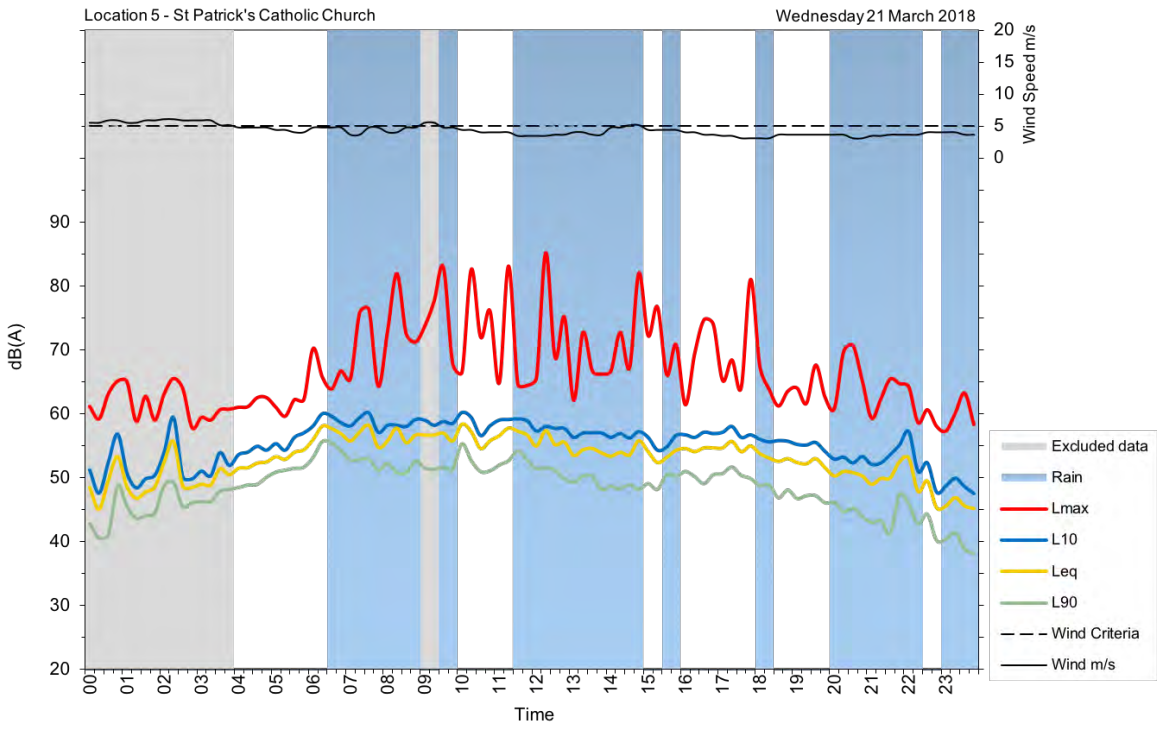
Date	Day, L <sub>Aeq</sub> (15-hour)	Night, L <sub>Aeq</sub> (9-hour)
Thursday, 15 March 2018	47	44
Friday, 16 March 2018	51	44
Saturday, 17 March 2018	50	55
Sunday, 18 March 2018	56	45
Monday, 19 March 2018	54	50
Tuesday, 20 March 2018	54	53
Wednesday, 21 March 2018	52	52
Thursday, 22 March 2018	54	51
Friday, 23 March 2018	52	
Saturday, 24 March 2018	50	52
Sunday, 25 March 2018	52	51
Monday, 26 March 2018	57	50
Tuesday, 27 March 2018	51	49
Wednesday, 28 March 2018	52	
<b>Overall</b>	<b>53</b>	<b>51</b>



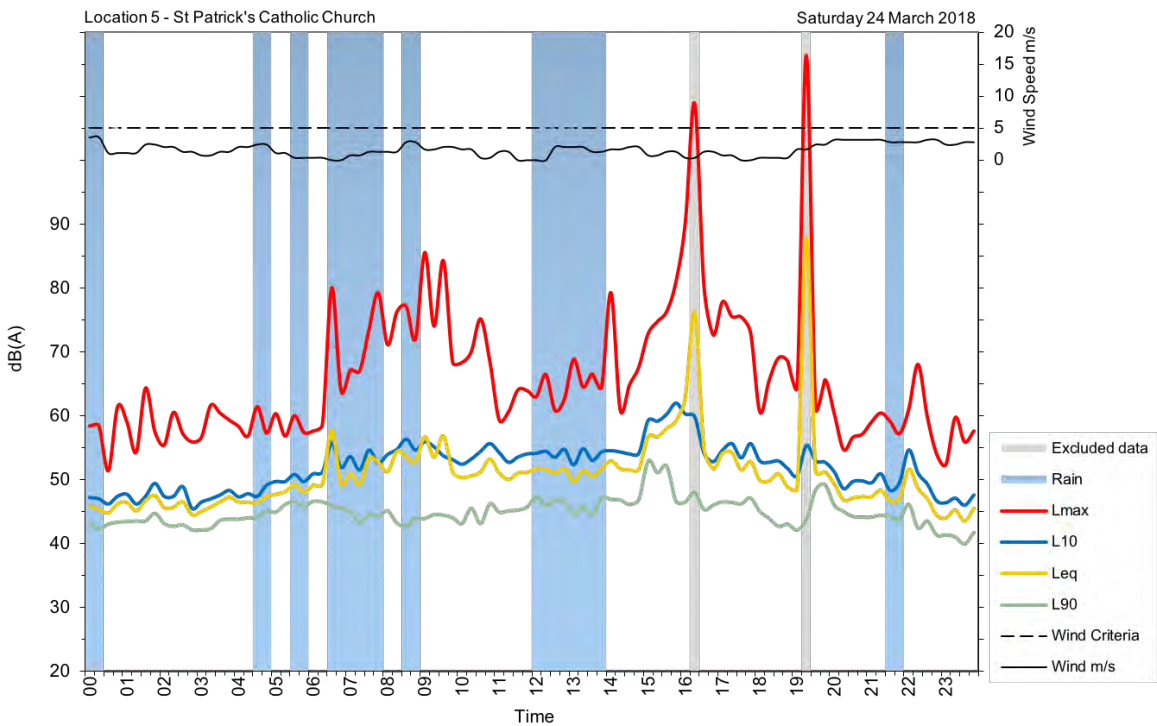
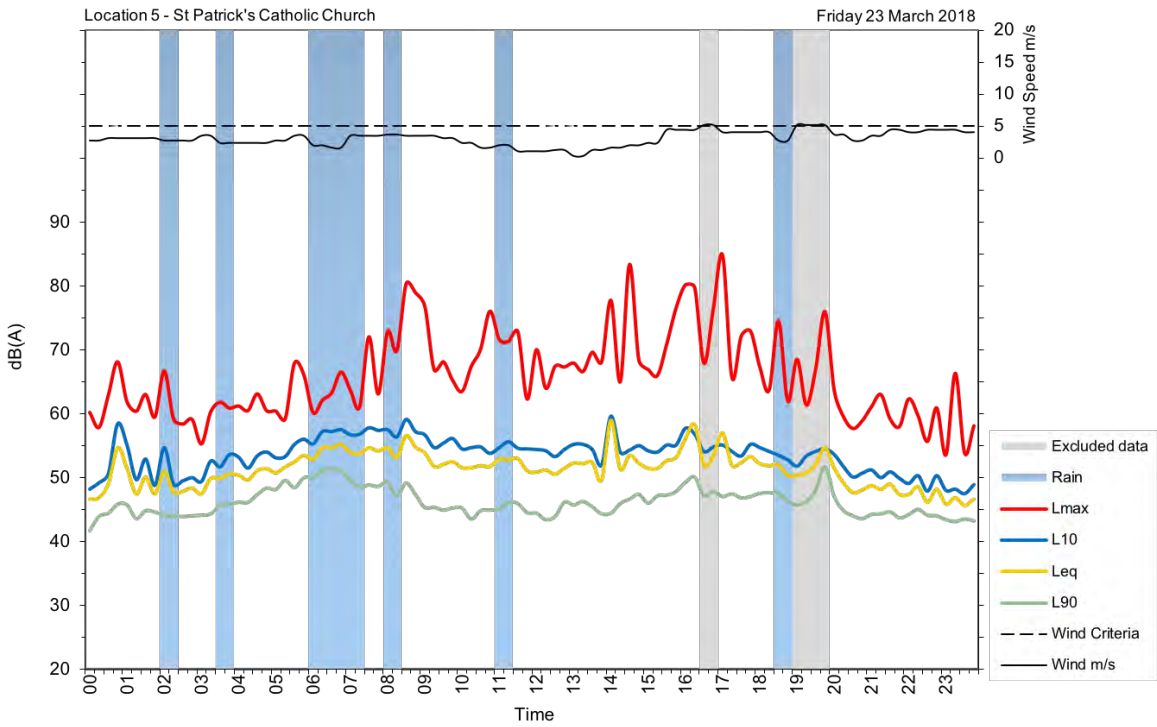


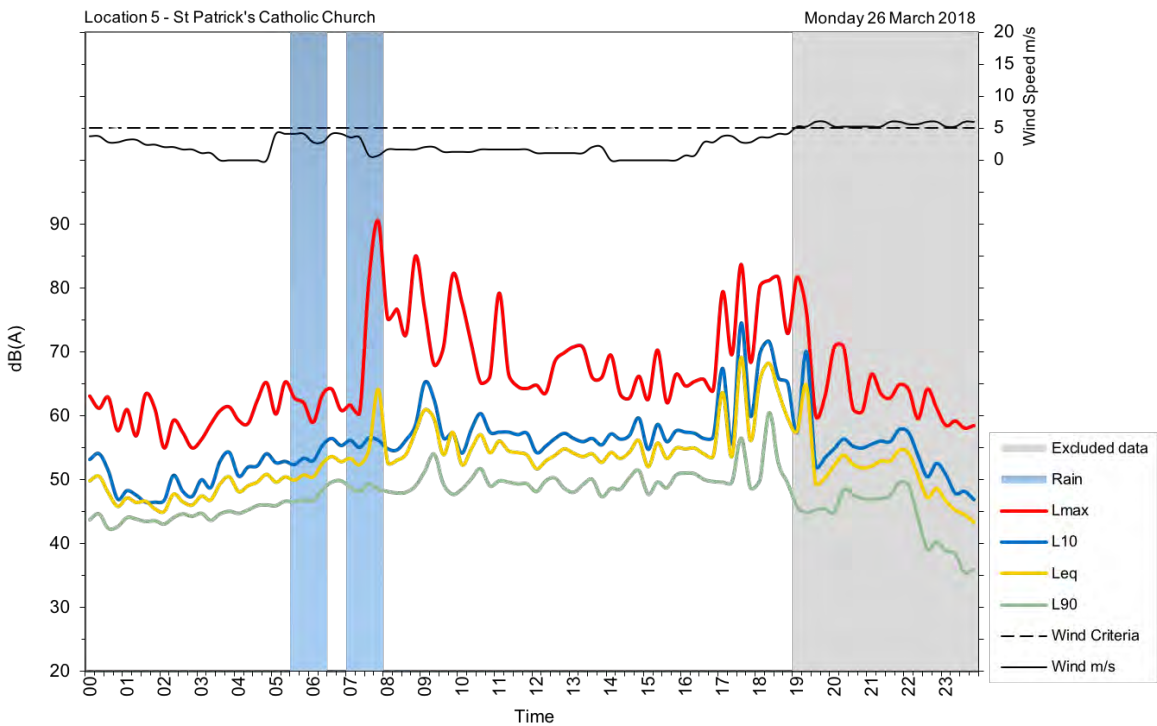
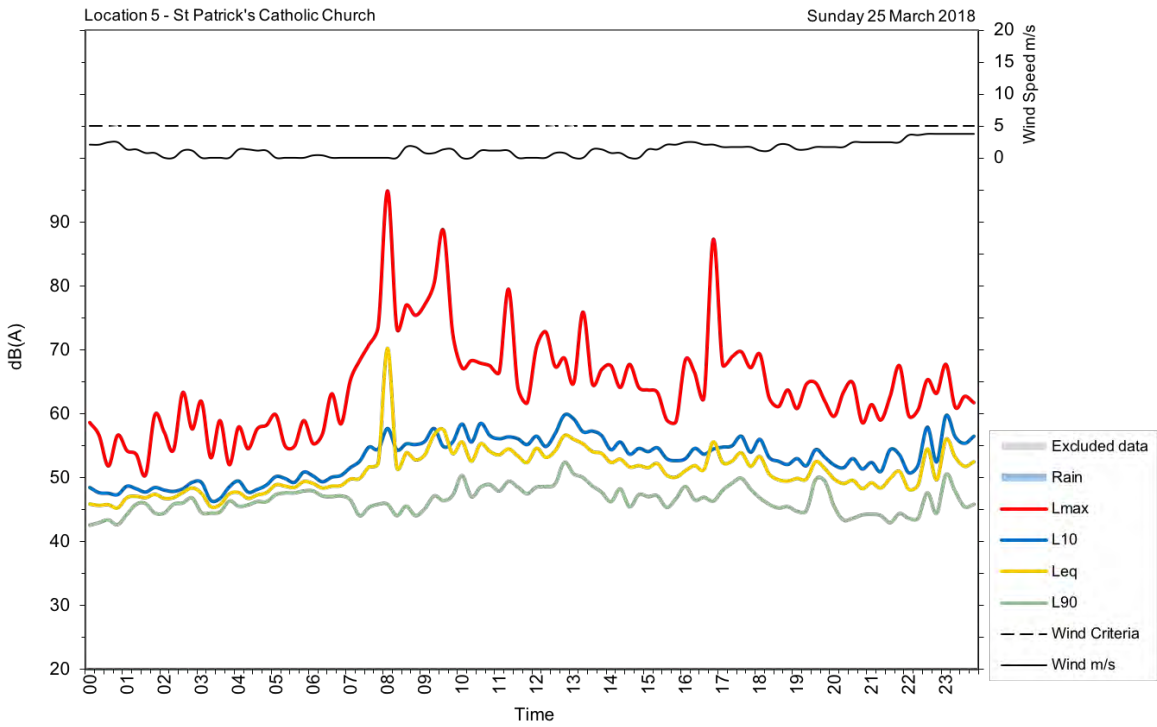


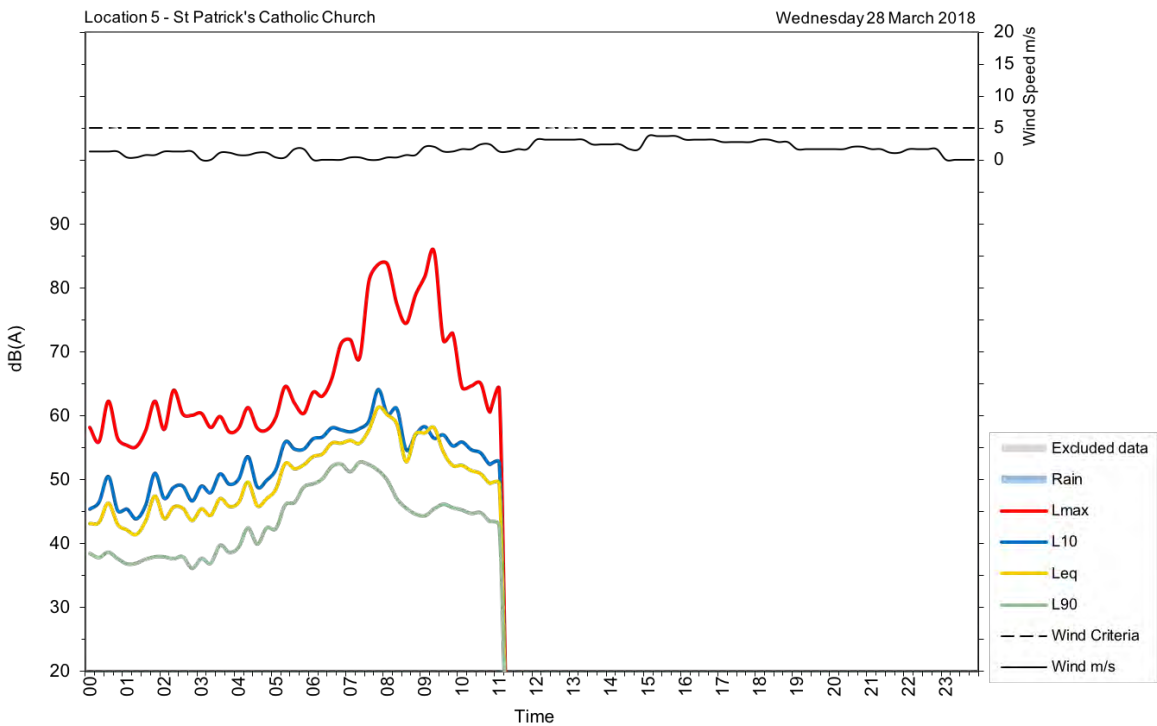
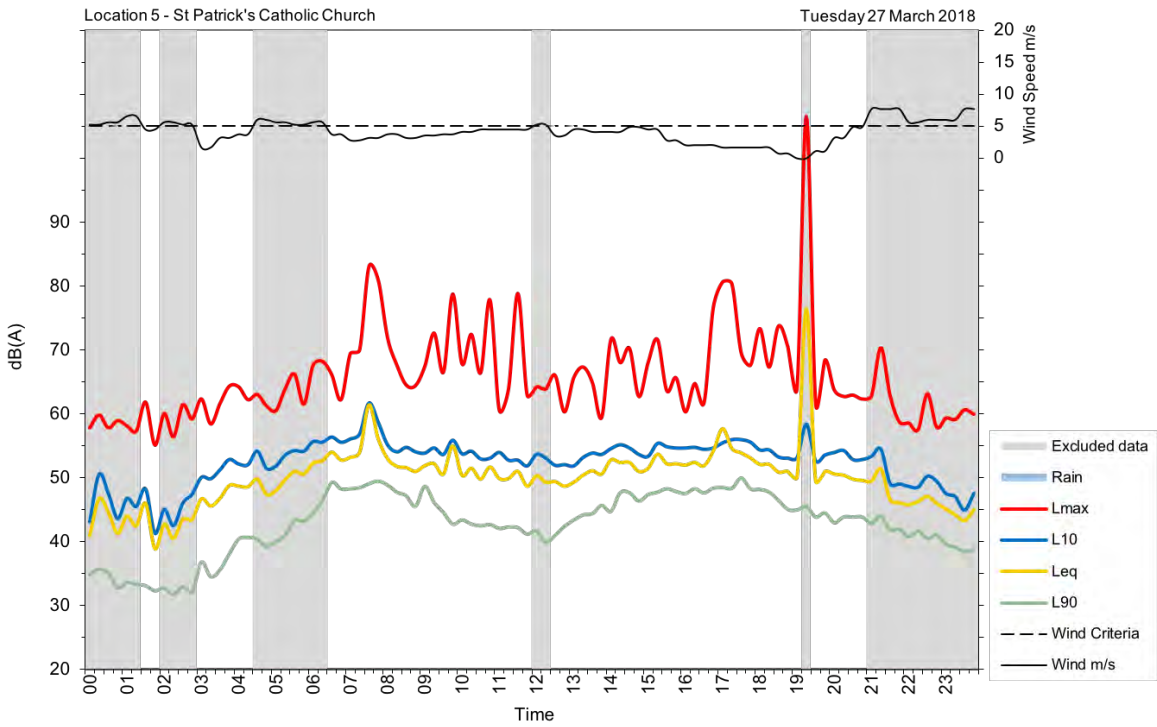












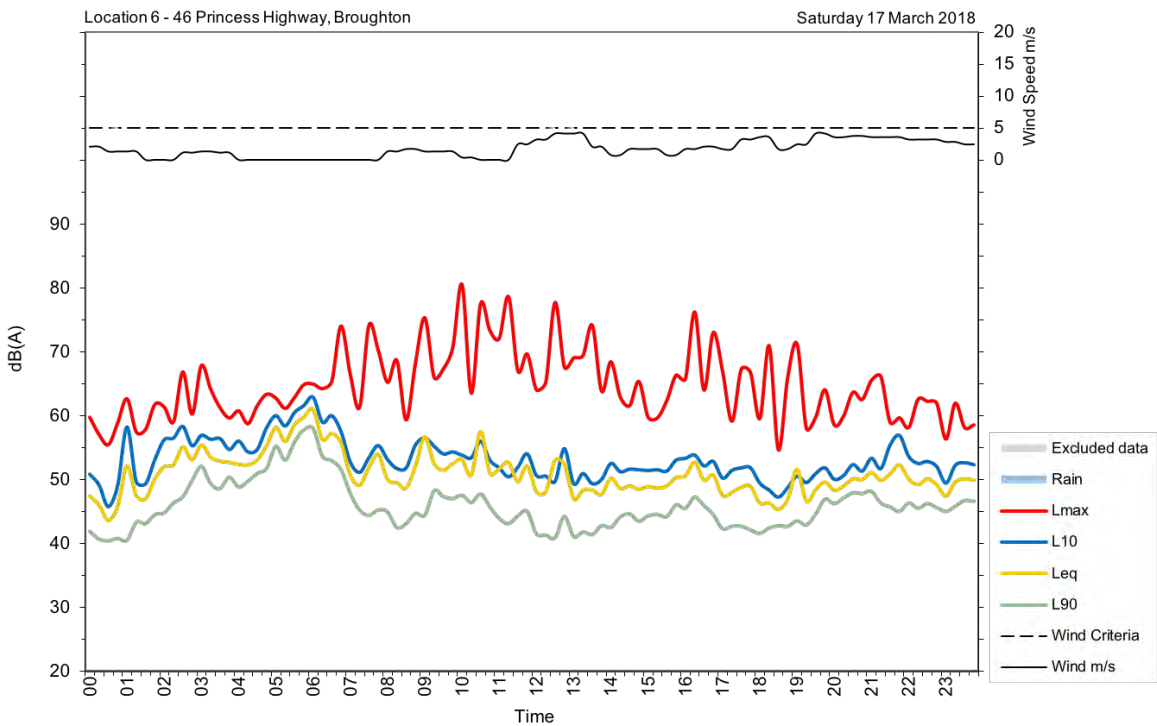
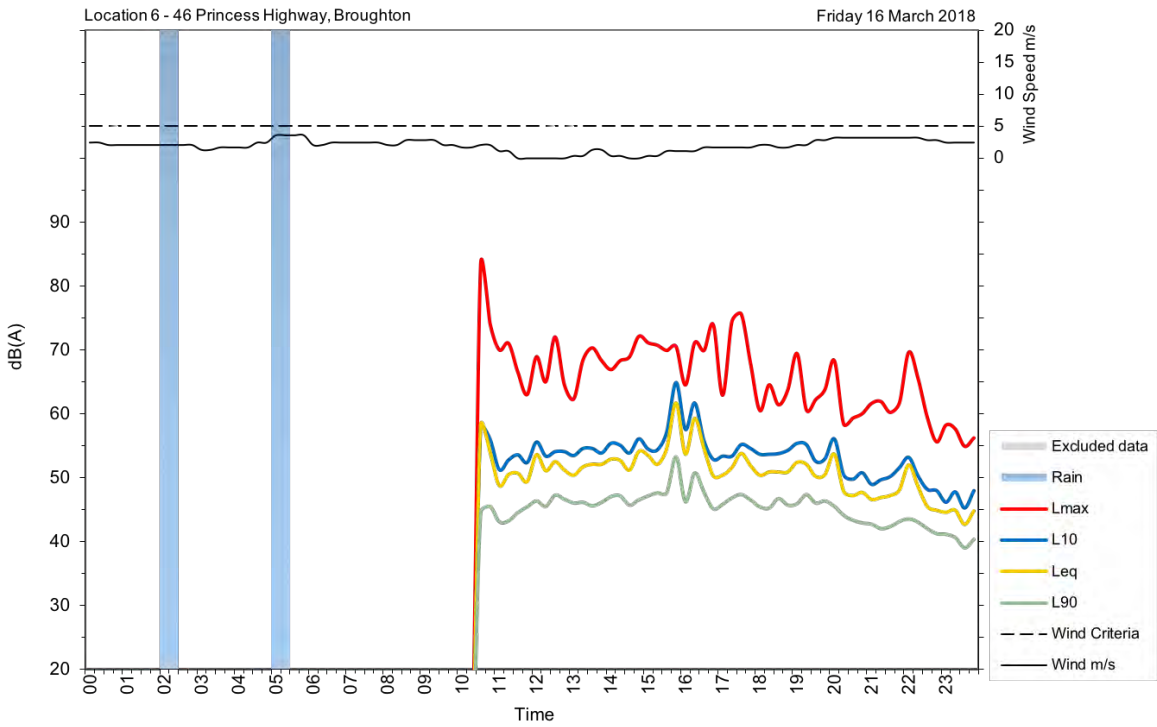
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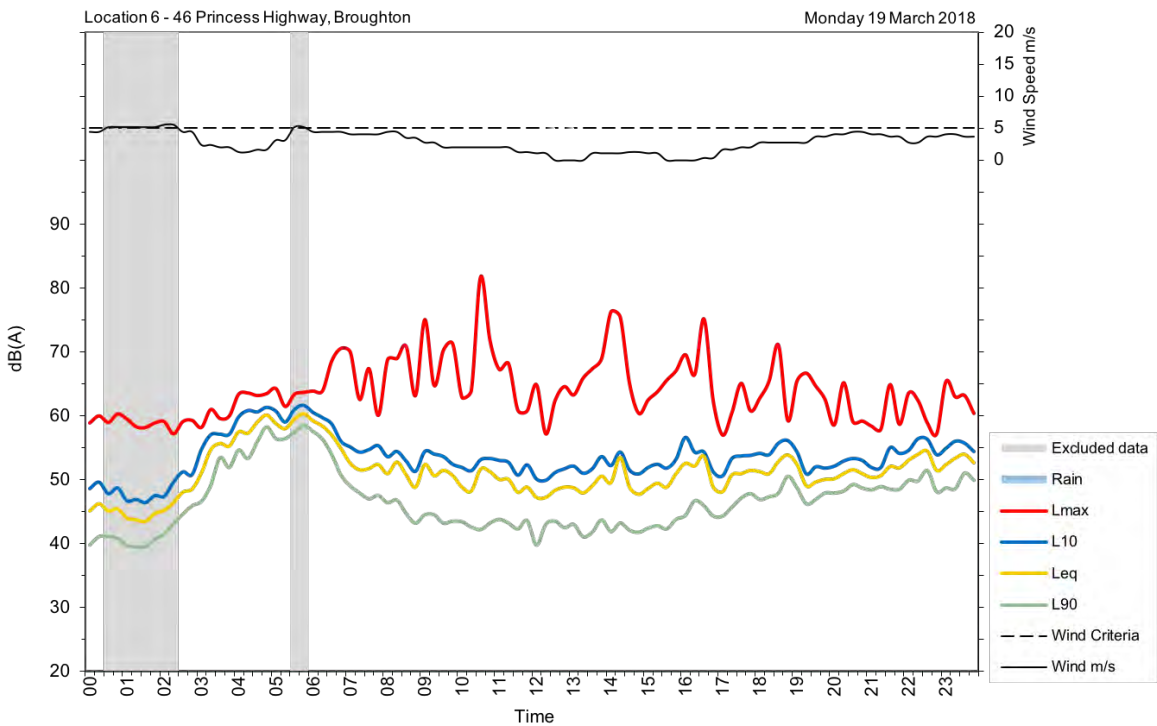
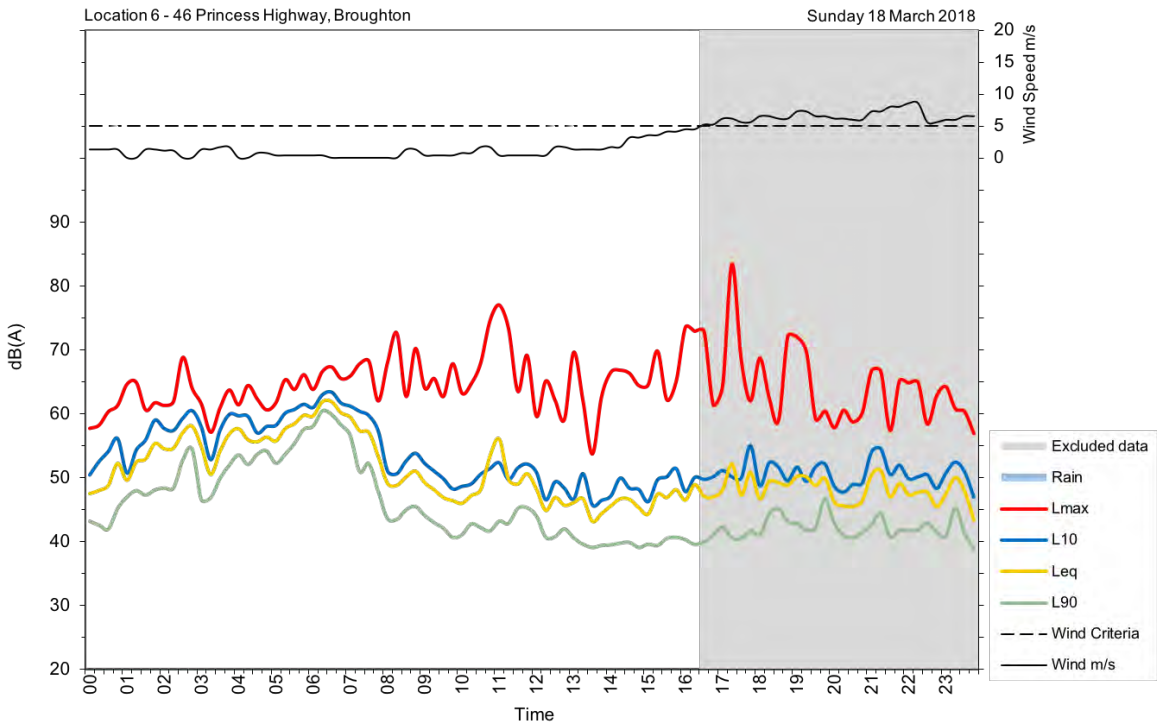
<b>Address/location</b>	46 Princes Highway, Broughton Village
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Friday, 16 March 2018 to Tuesday, 10 April 2018

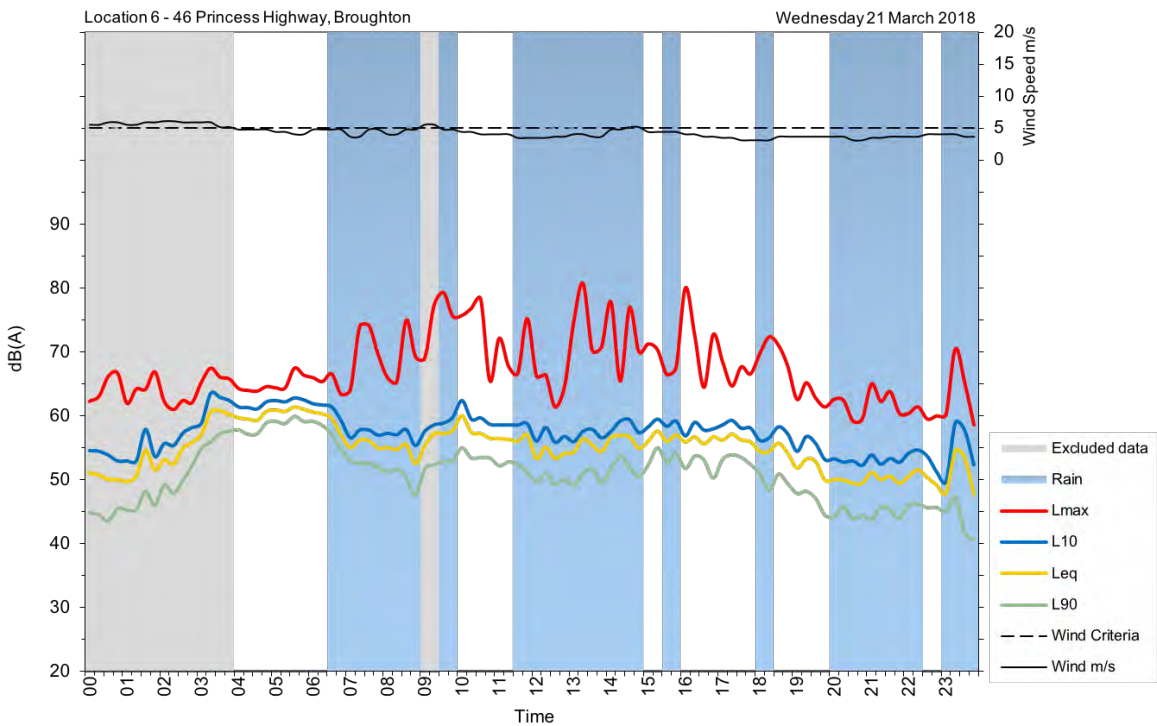
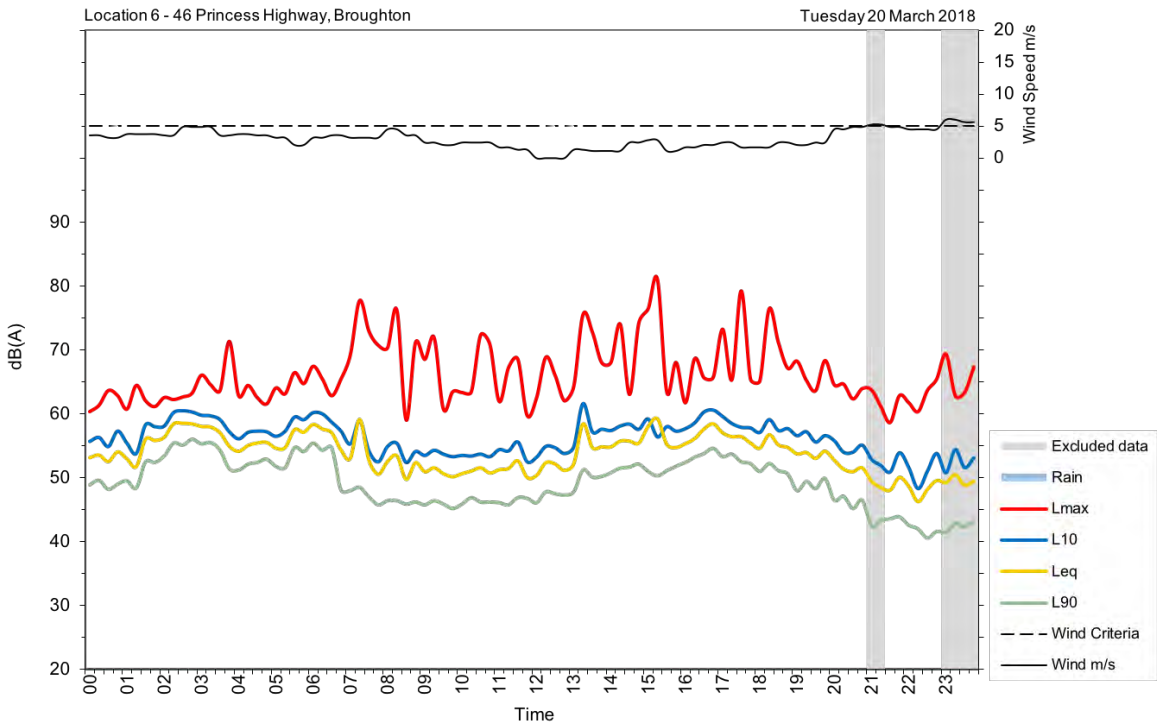




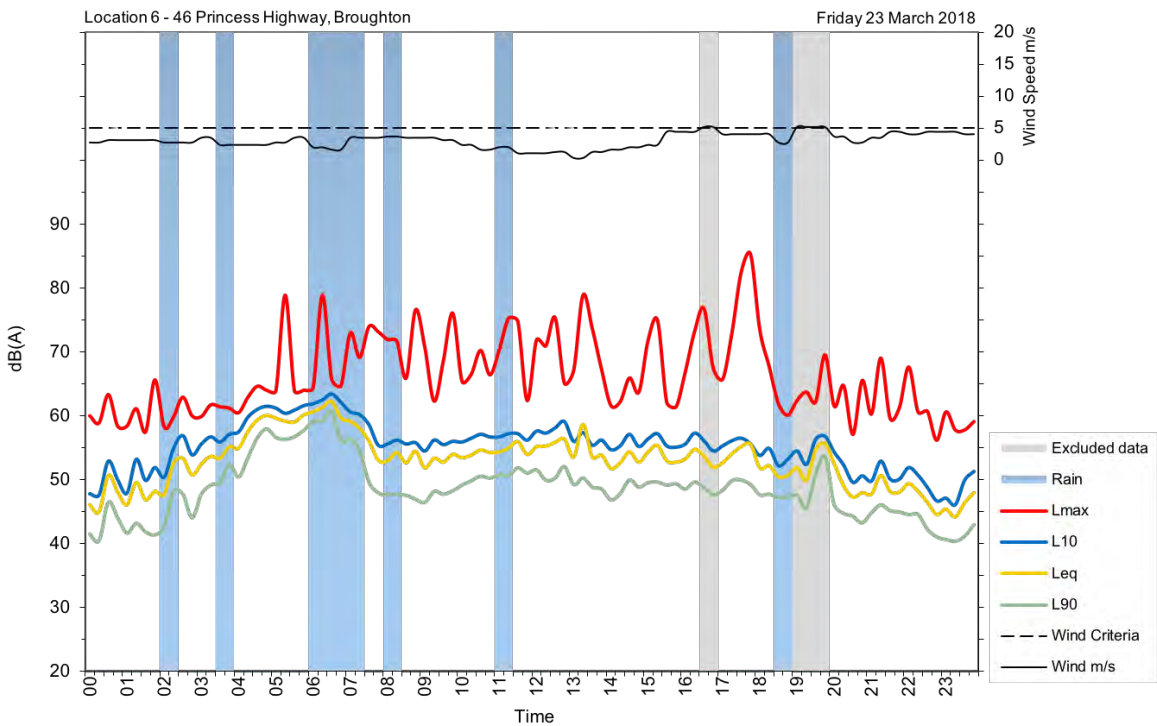
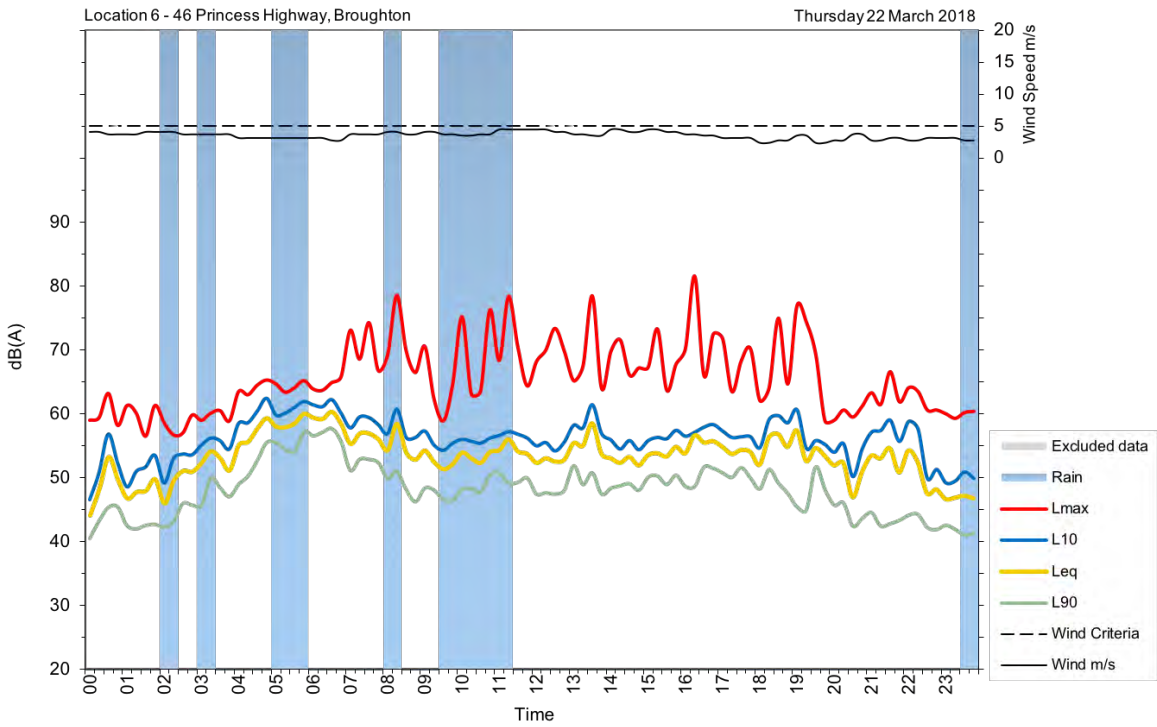
<b>Date</b>	<b>Day, L<sub>Aeq</sub>(15-hour)</b>	<b>Night, L<sub>Aeq</sub>(9-hour)</b>
Friday, 16 March 2018	51	52
Saturday, 17 March 2018	50	53
Sunday, 18 March 2018	50	49
Monday, 19 March 2018	50	54
Tuesday, 20 March 2018	54	49
Wednesday, 21 March 2018	53	52
Thursday, 22 March 2018	55	51
Friday, 23 March 2018	54	54
Saturday, 24 March 2018	51	51
Sunday, 25 March 2018	53	53
Monday, 26 March 2018	53	50
Tuesday, 27 March 2018	50	51
Wednesday, 28 March 2018	50	52
Thursday, 29 March 2018	51	52
Friday, 30 March 2018	51	48
Saturday, 31 March 2018	50	51
Sunday, 1 April 2018	57	56
Monday, 2 April 2018	50	51
Tuesday, 3 April 2018	51	52
Wednesday, 4 April 2018	50	52
Thursday, 5 April 2018	50	52
Friday, 6 April 2018	51	50
Saturday, 7 April 2018	48	50
Sunday, 8 April 2018	50	54
Monday, 9 April 2018	51	49
Tuesday, 10 April 2018	53	
<b>Overall</b>	<b>52</b>	<b>52</b>

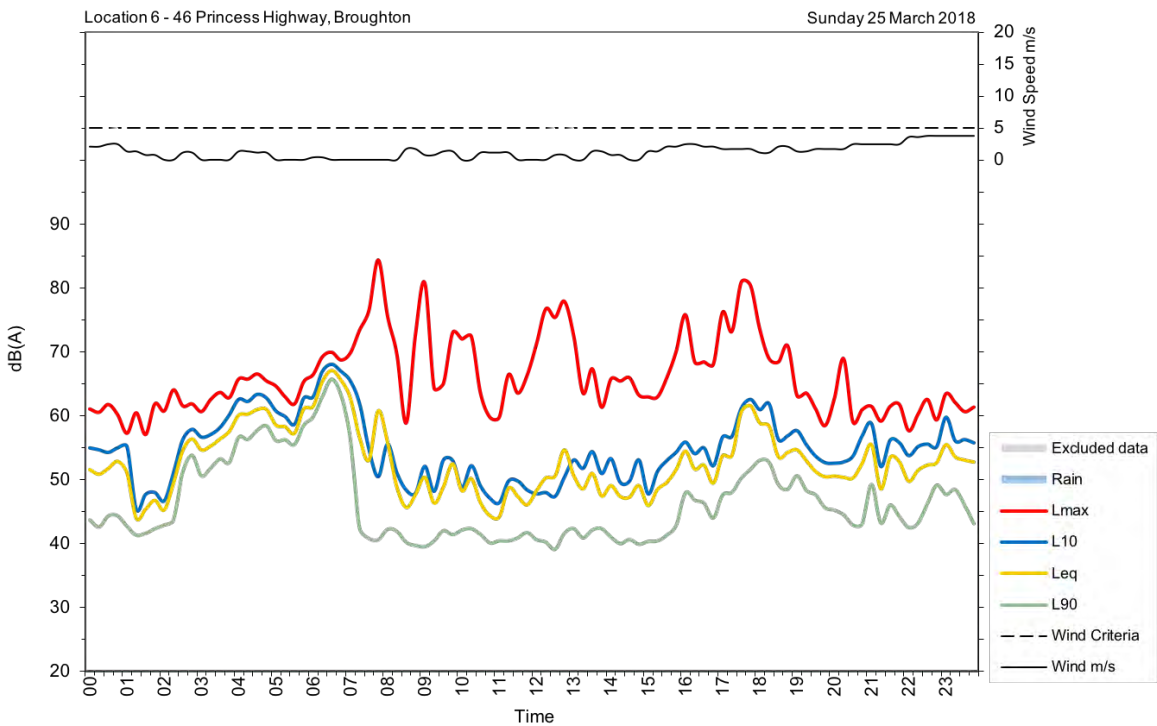
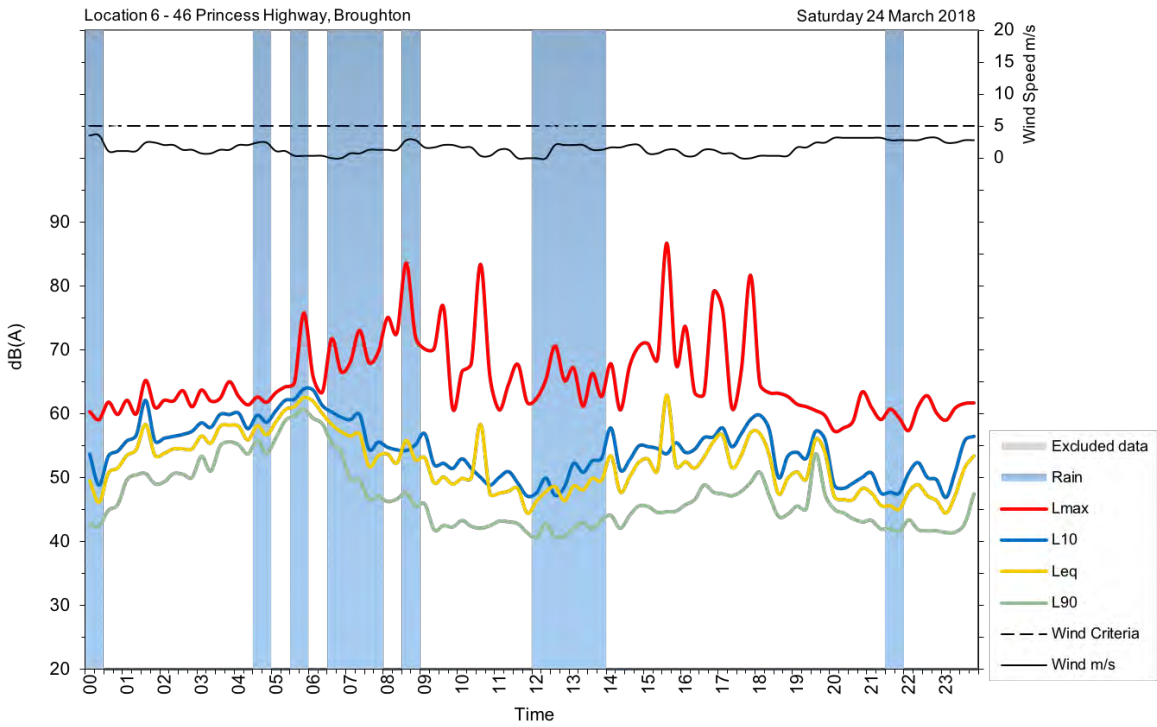


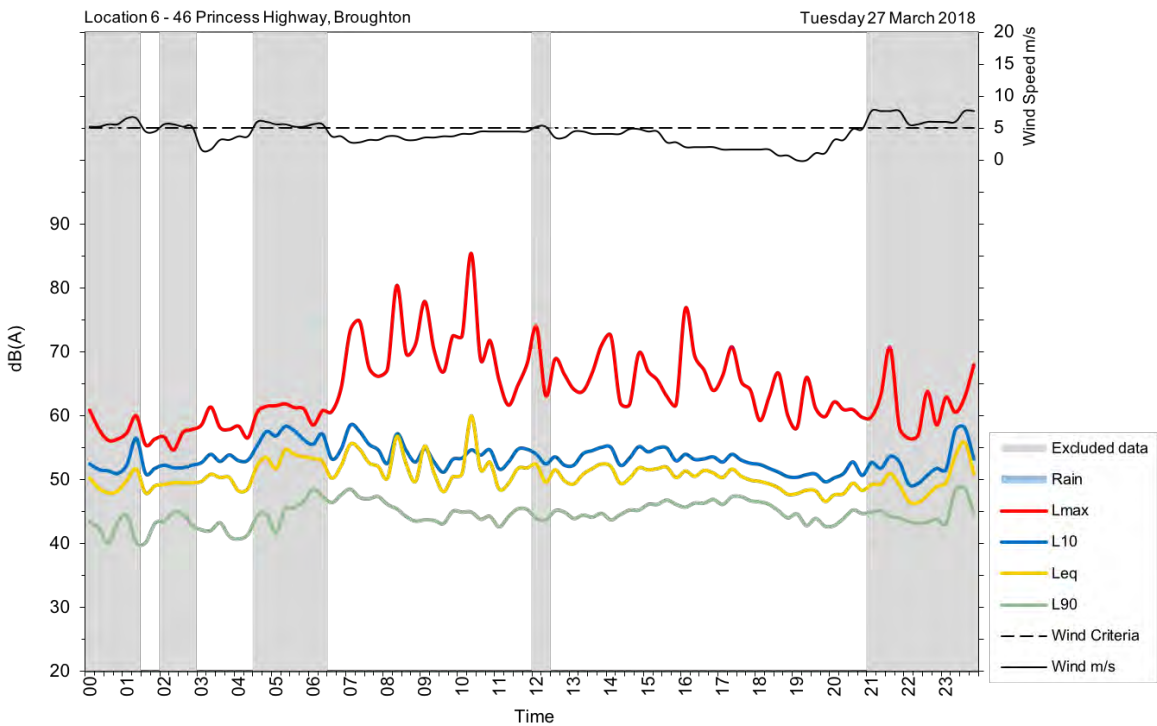
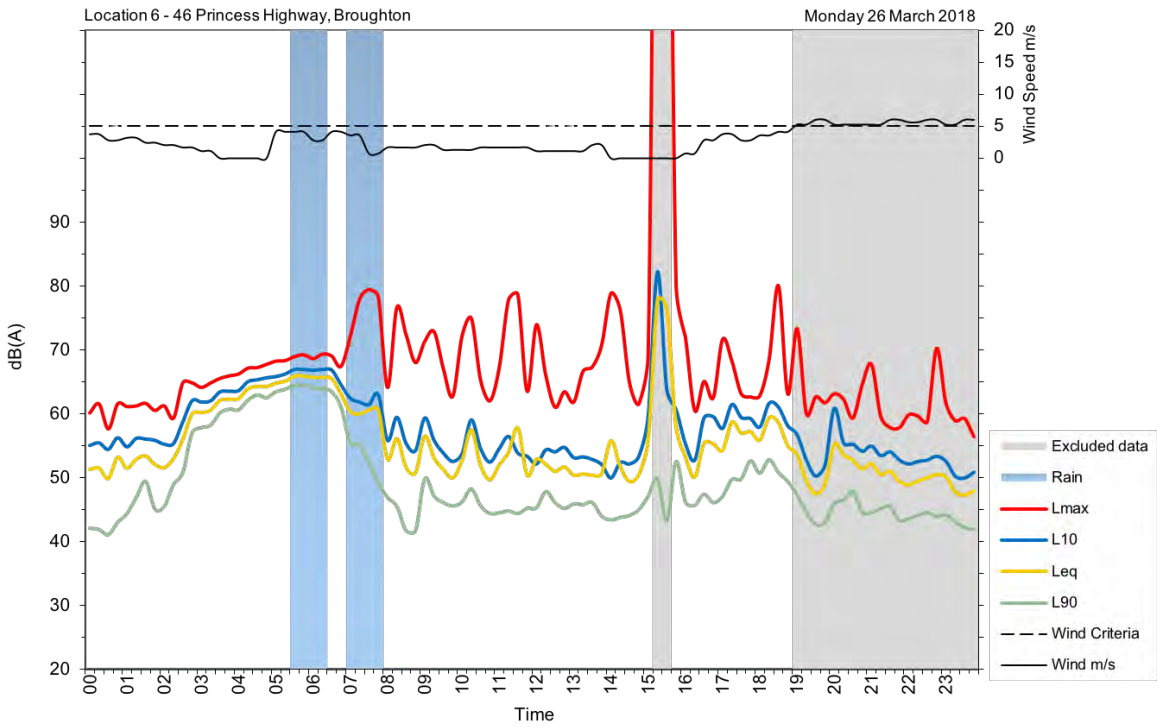


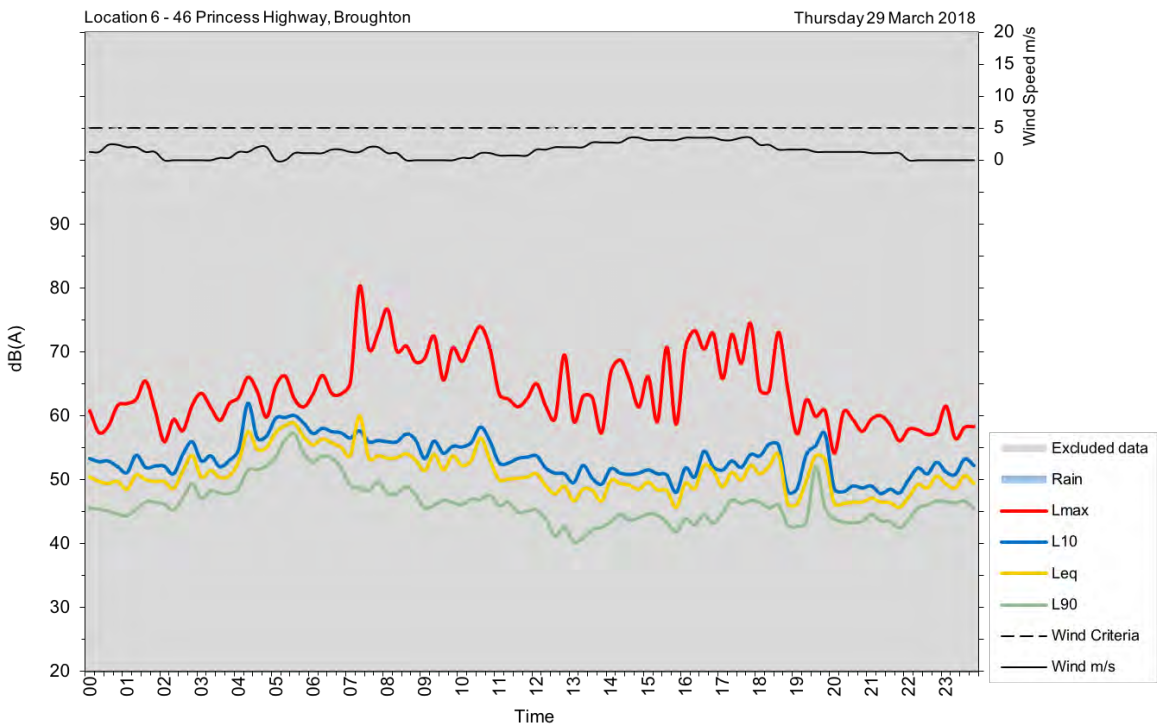
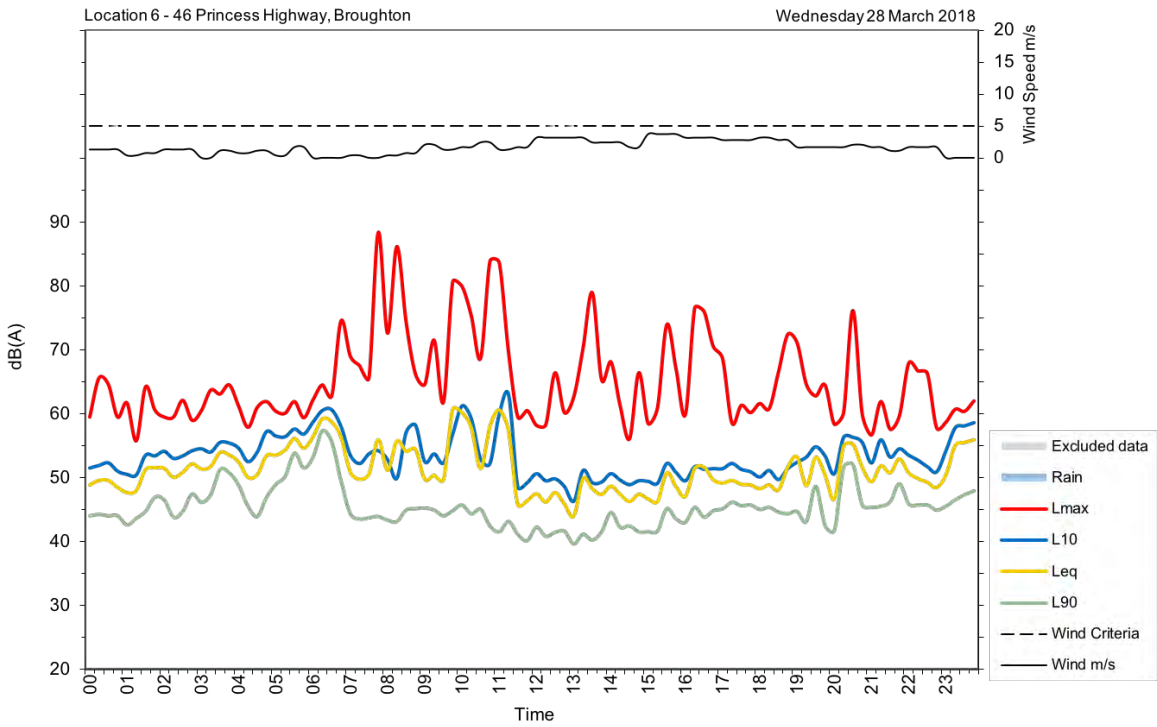




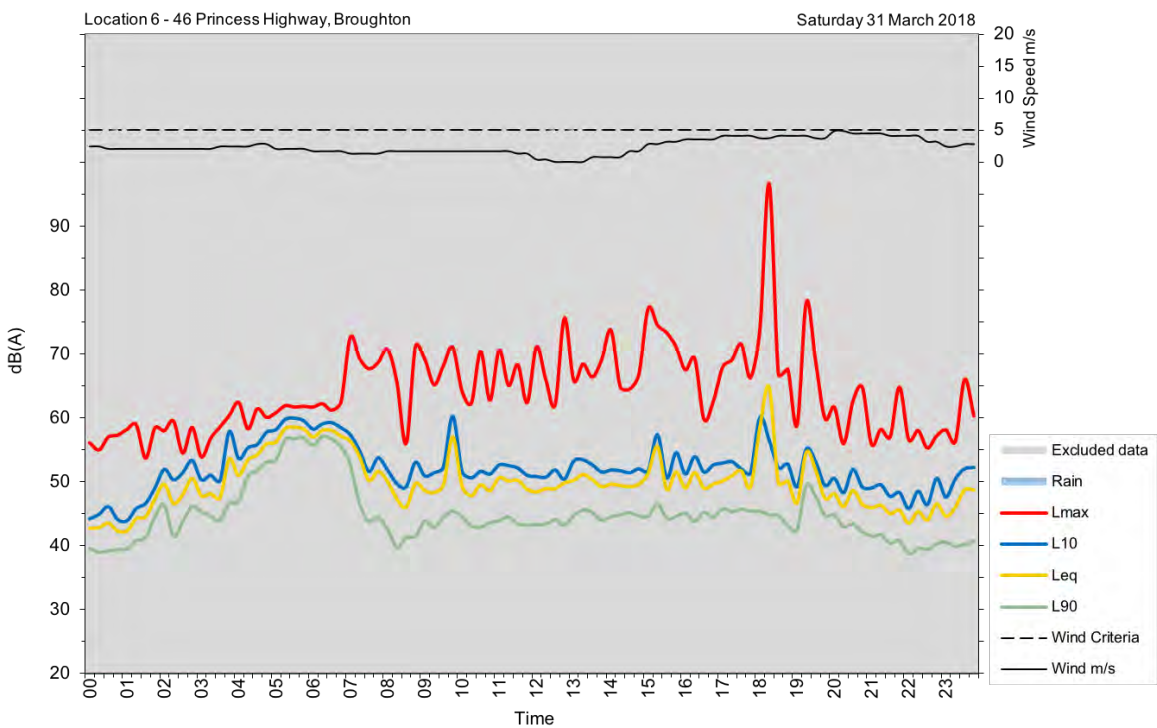
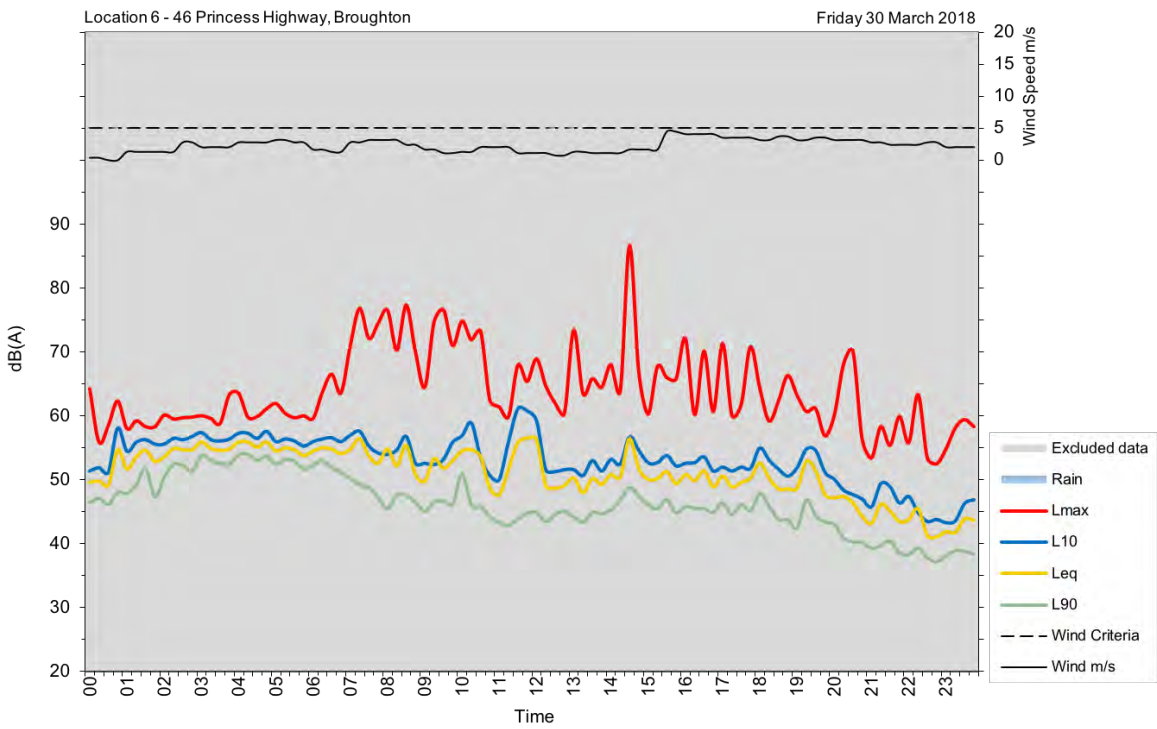


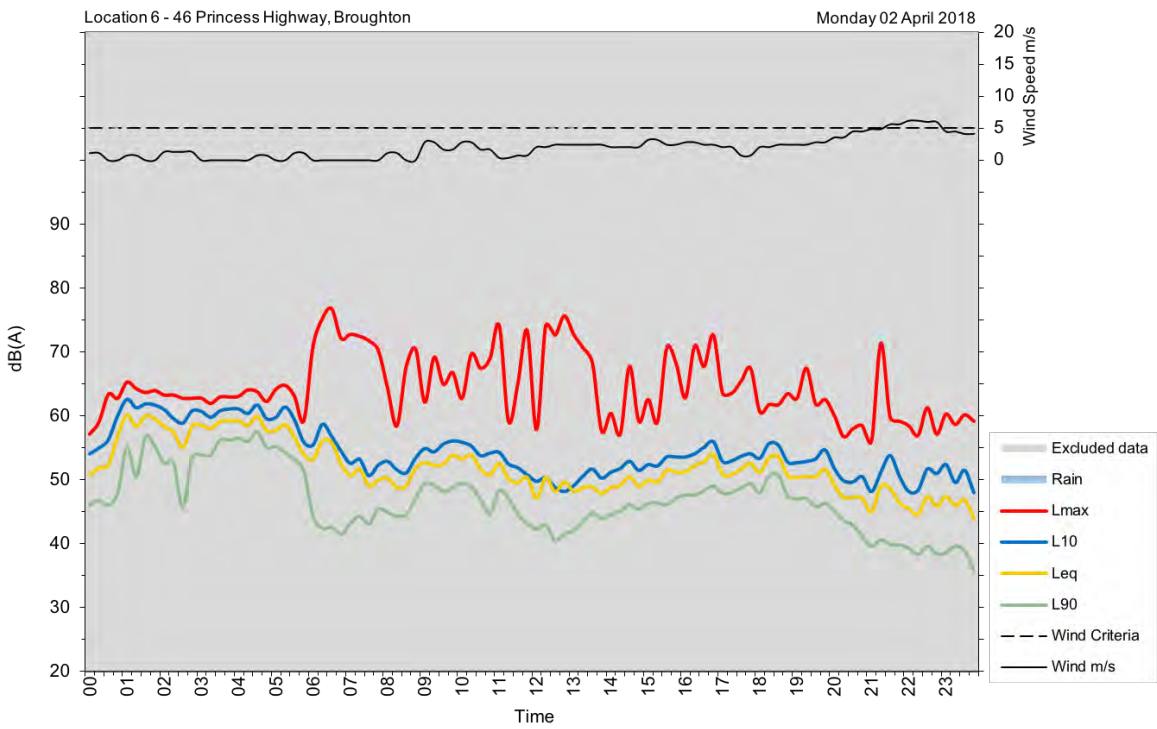
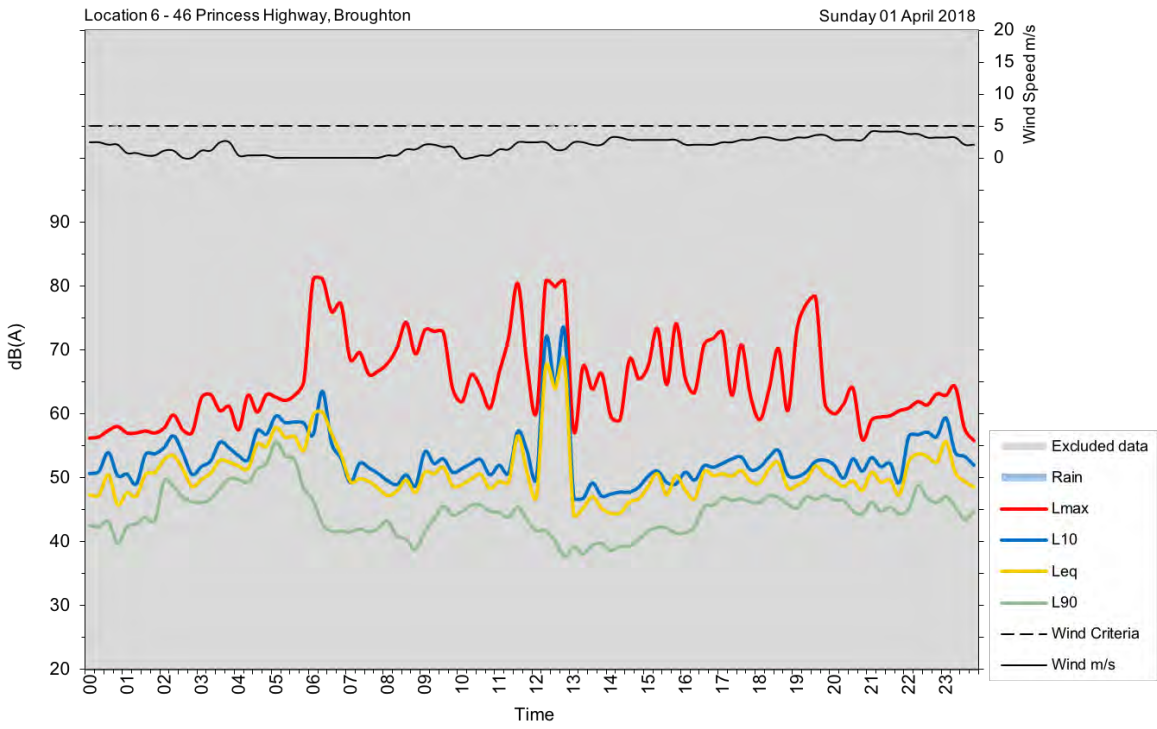


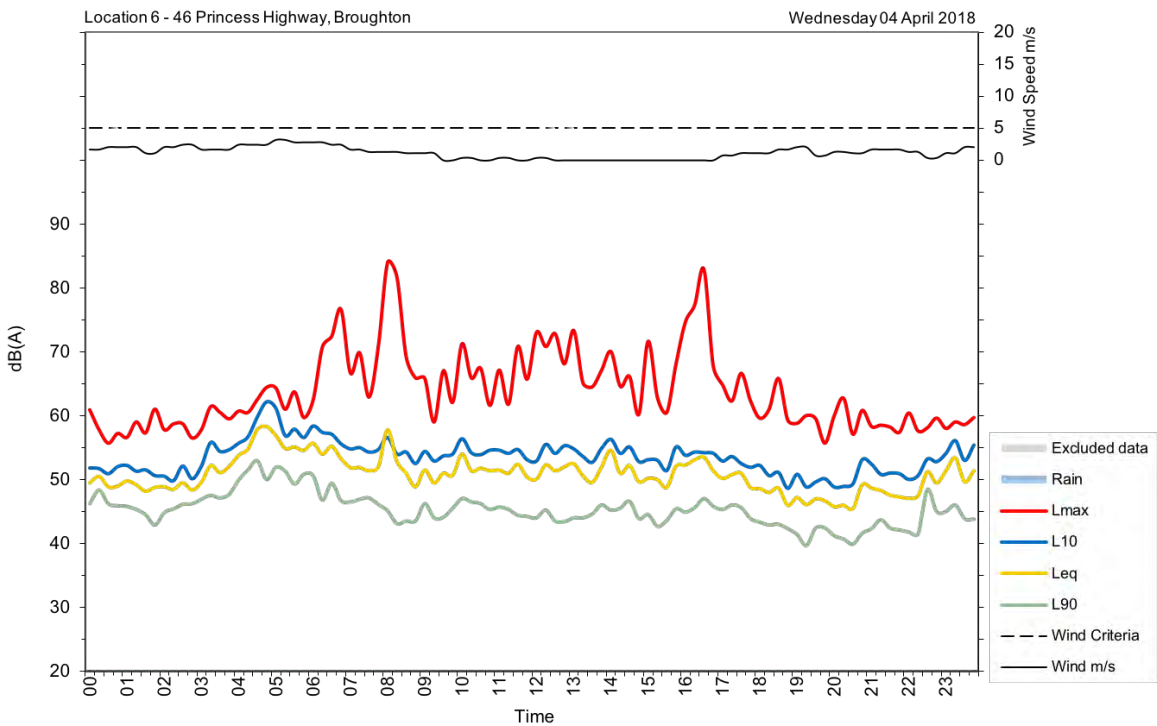
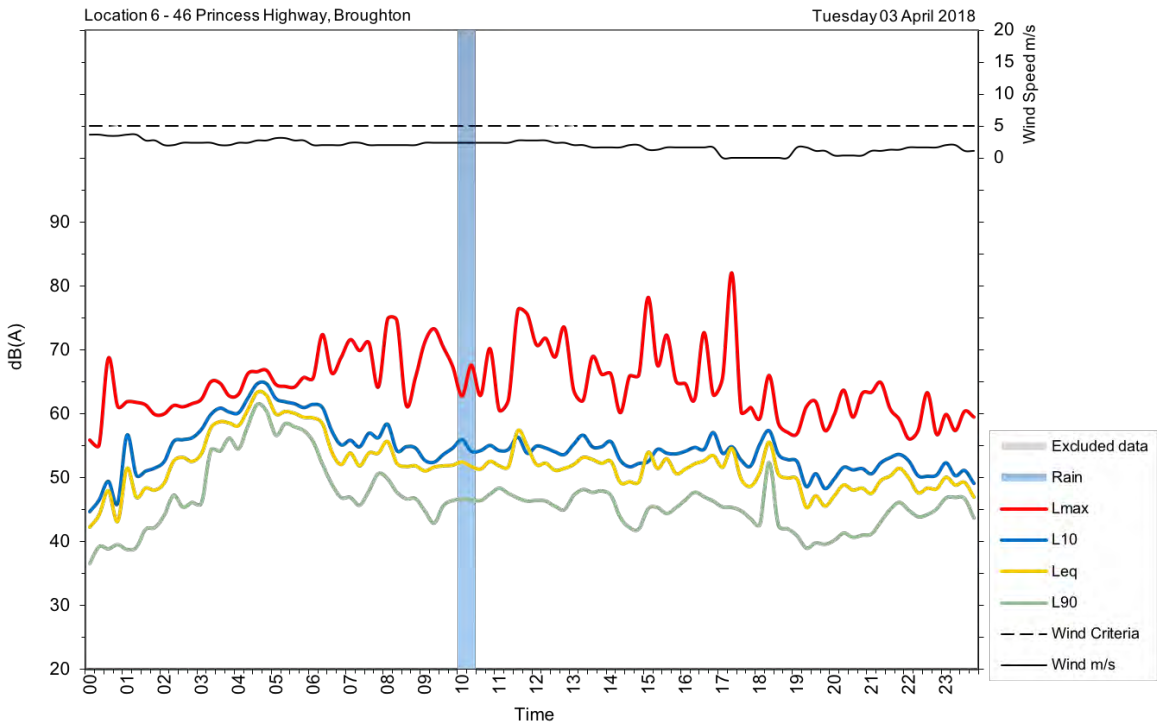


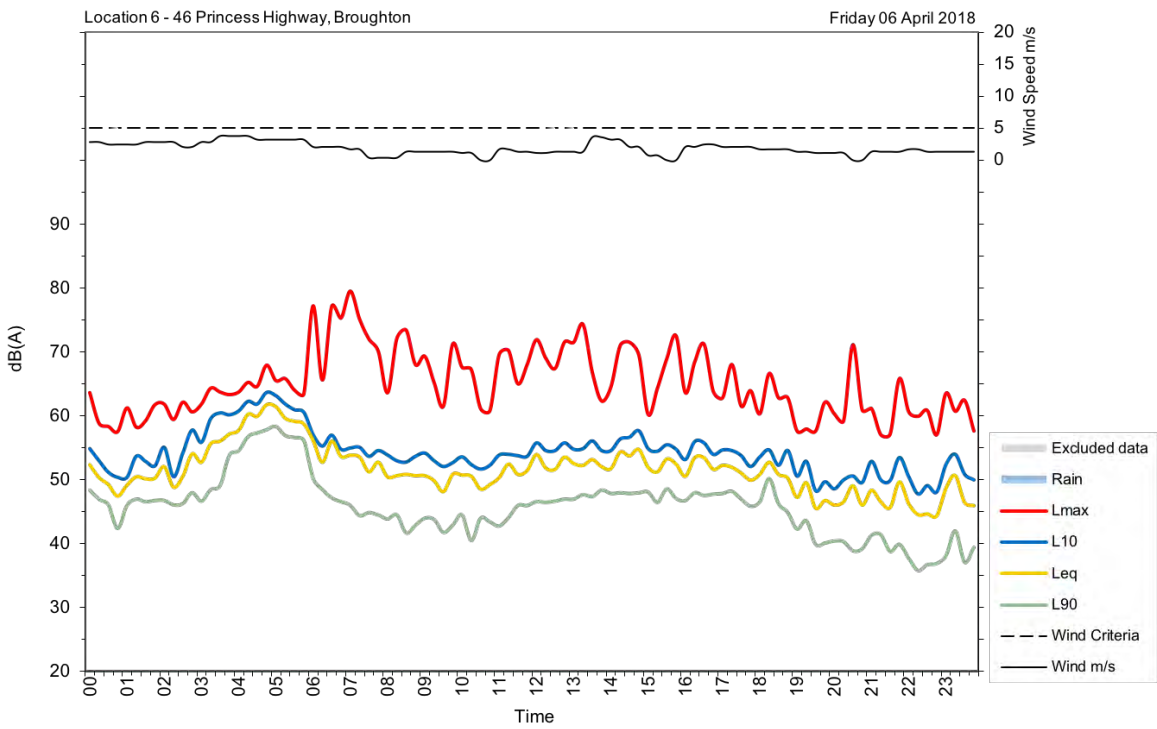
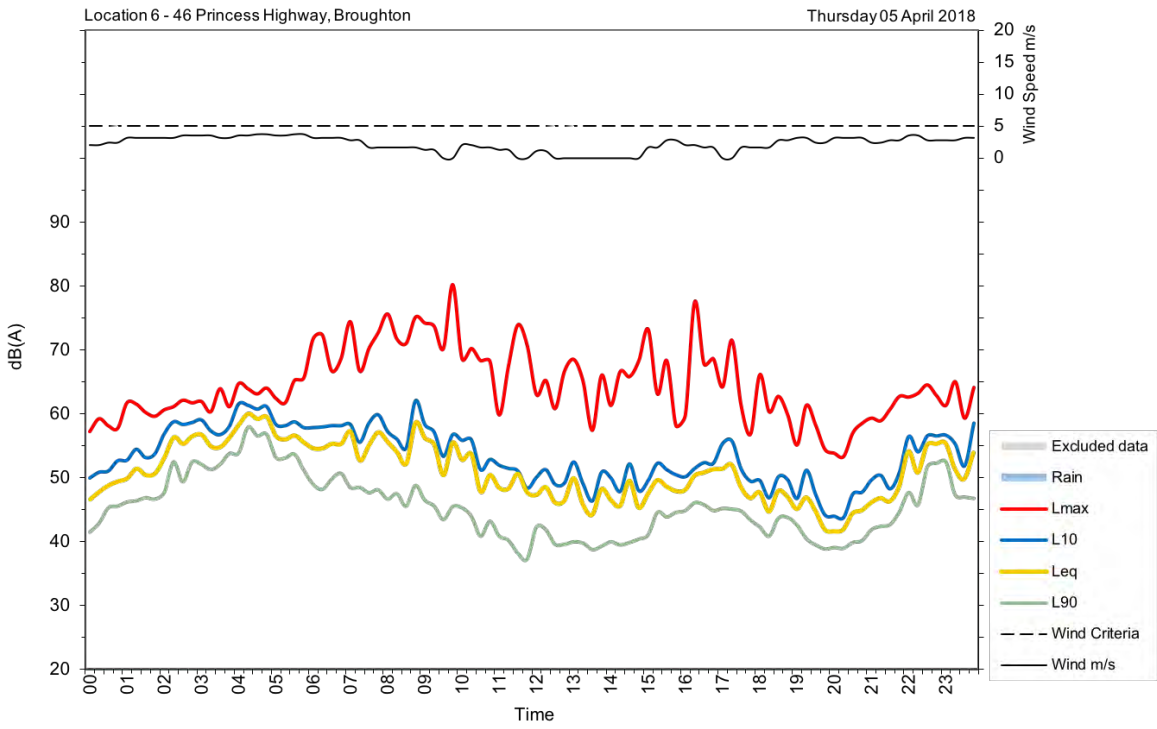




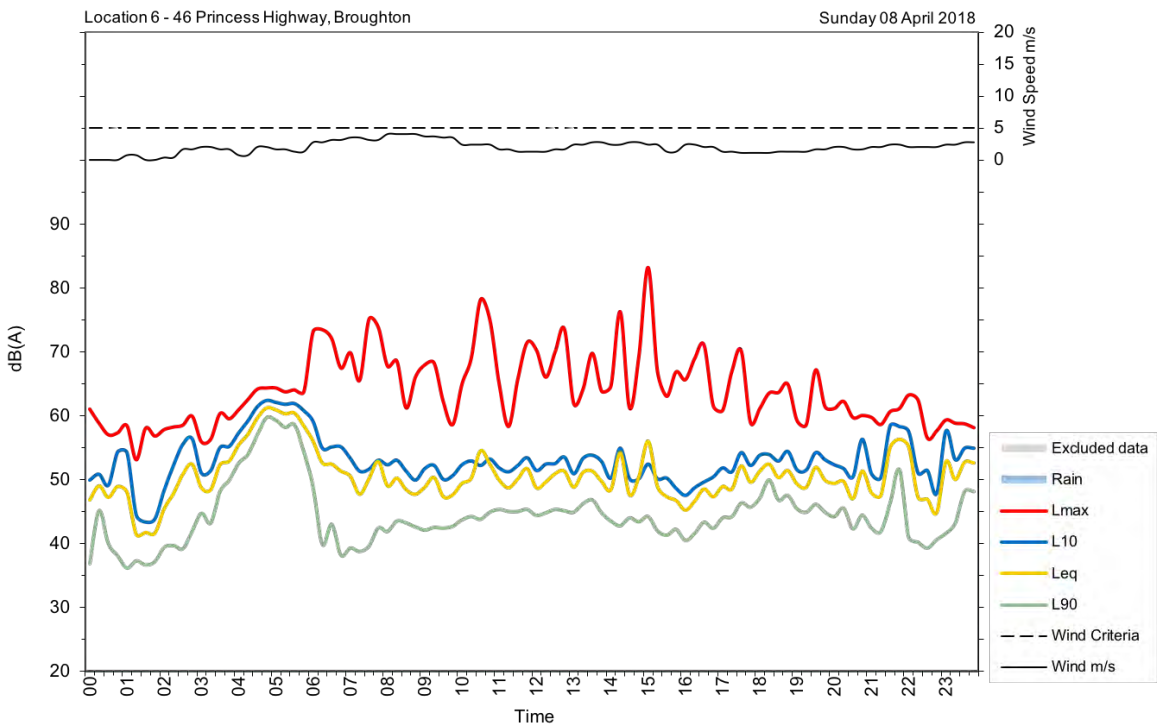
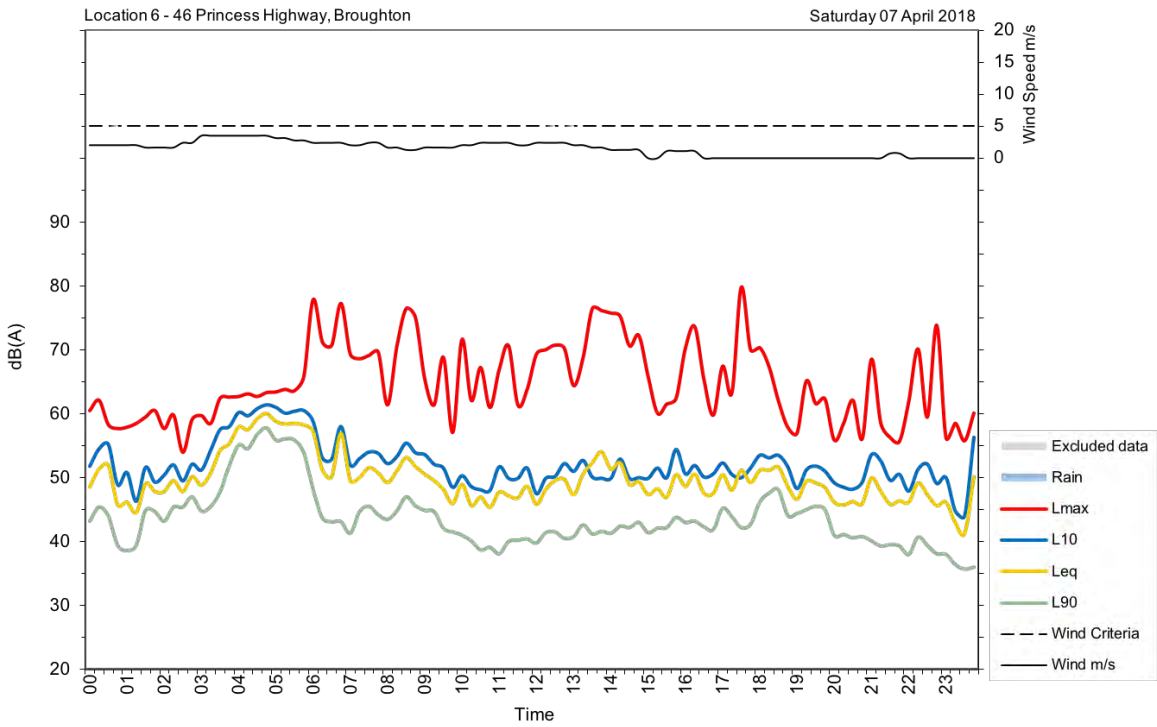


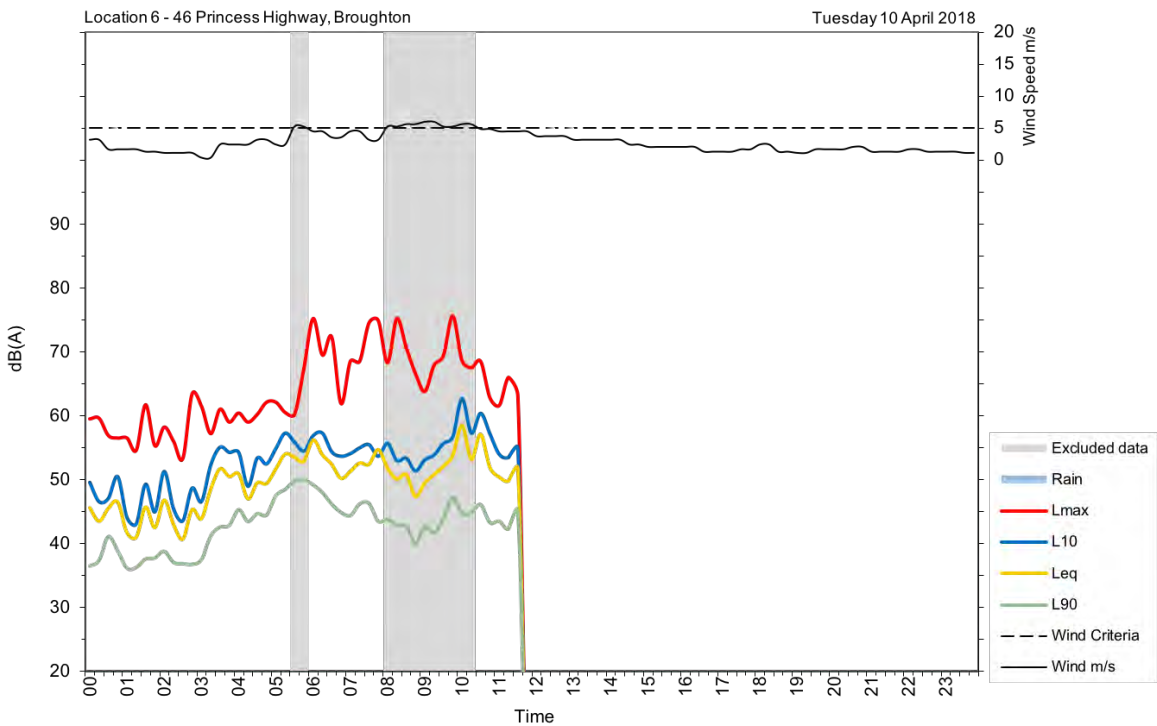
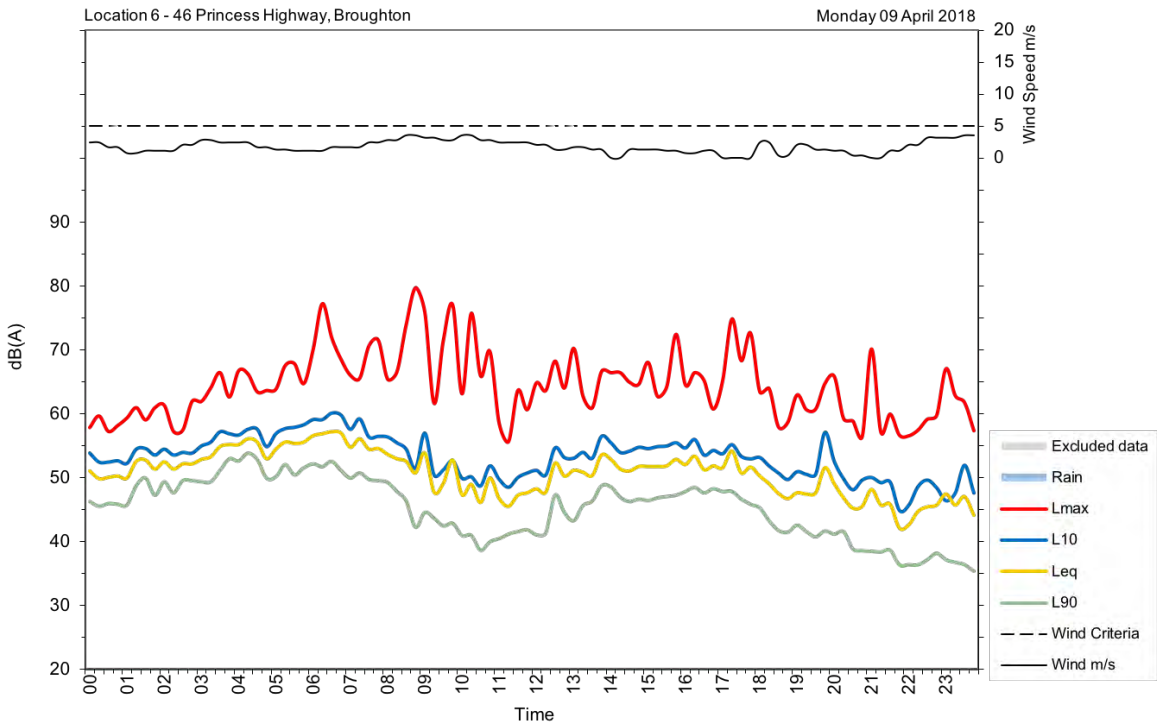












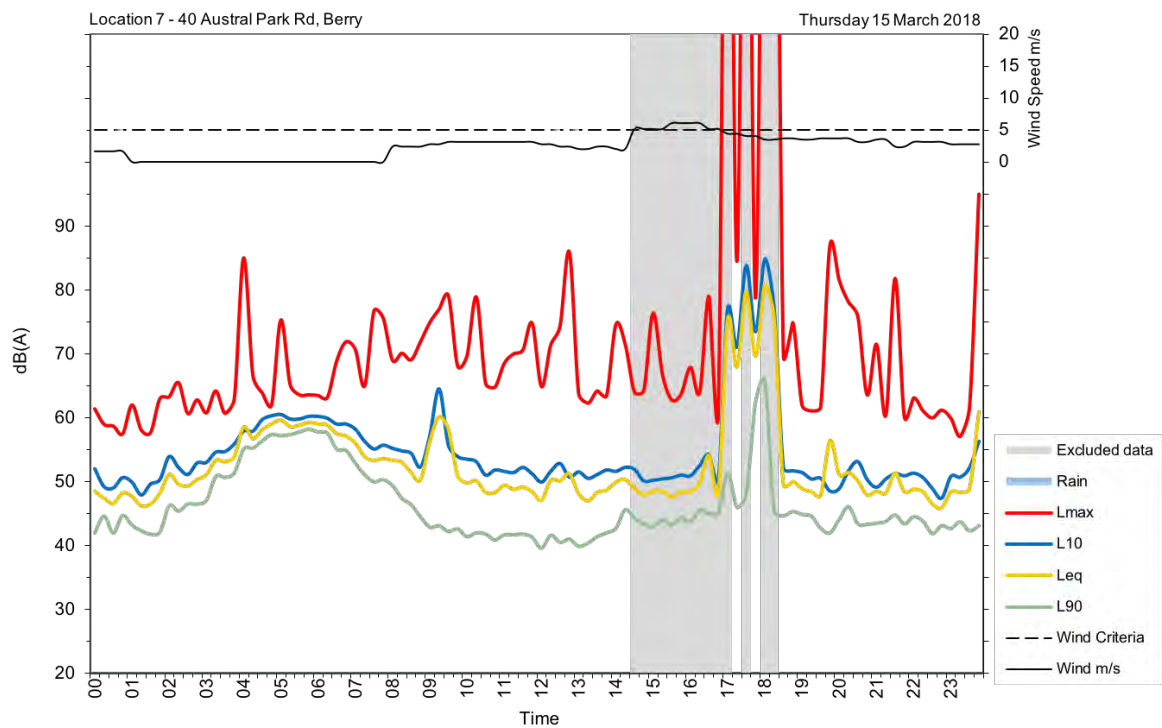
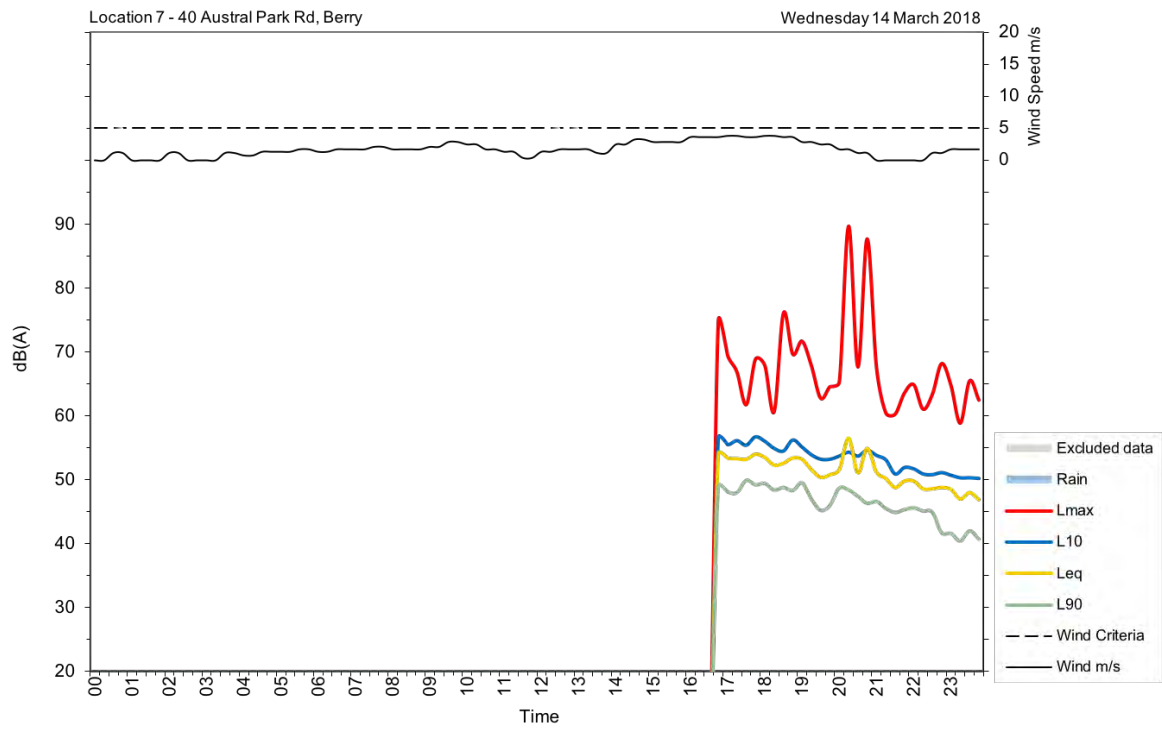
U7

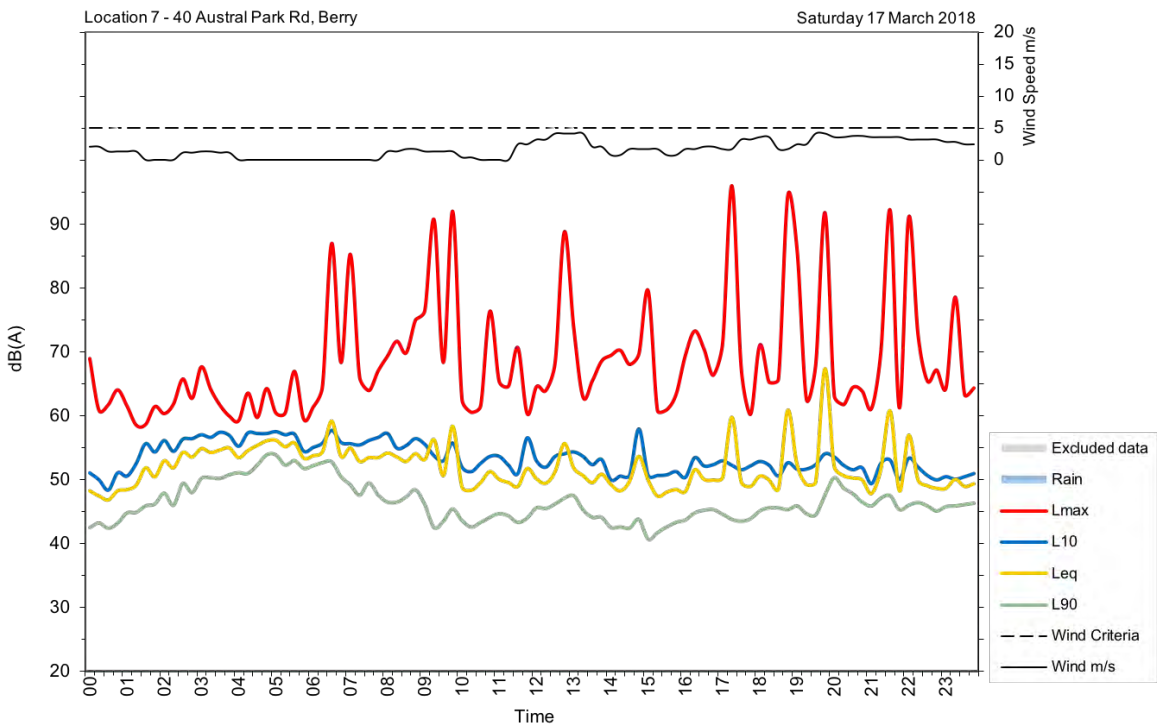
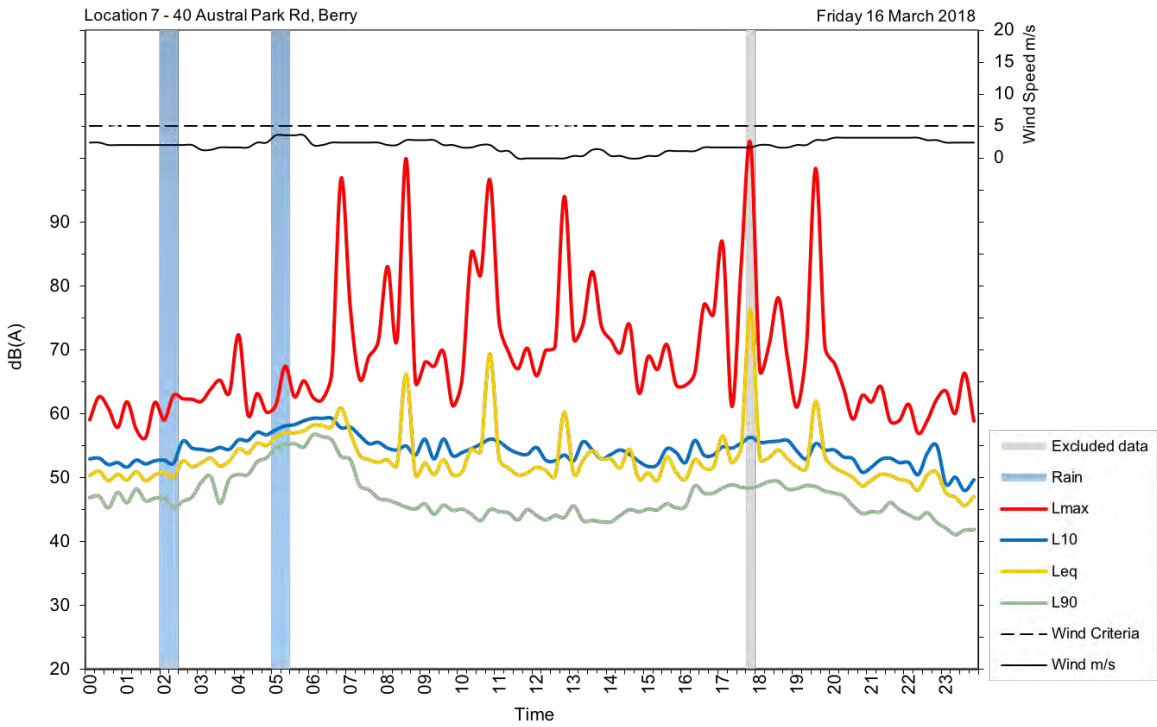
<b>Address/location</b>	40 Austral Park Road, Berry
<b>Measurement location</b>	2 m from facade
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Wednesday, 14 March 2018 to Tuesday, 10 April 2018

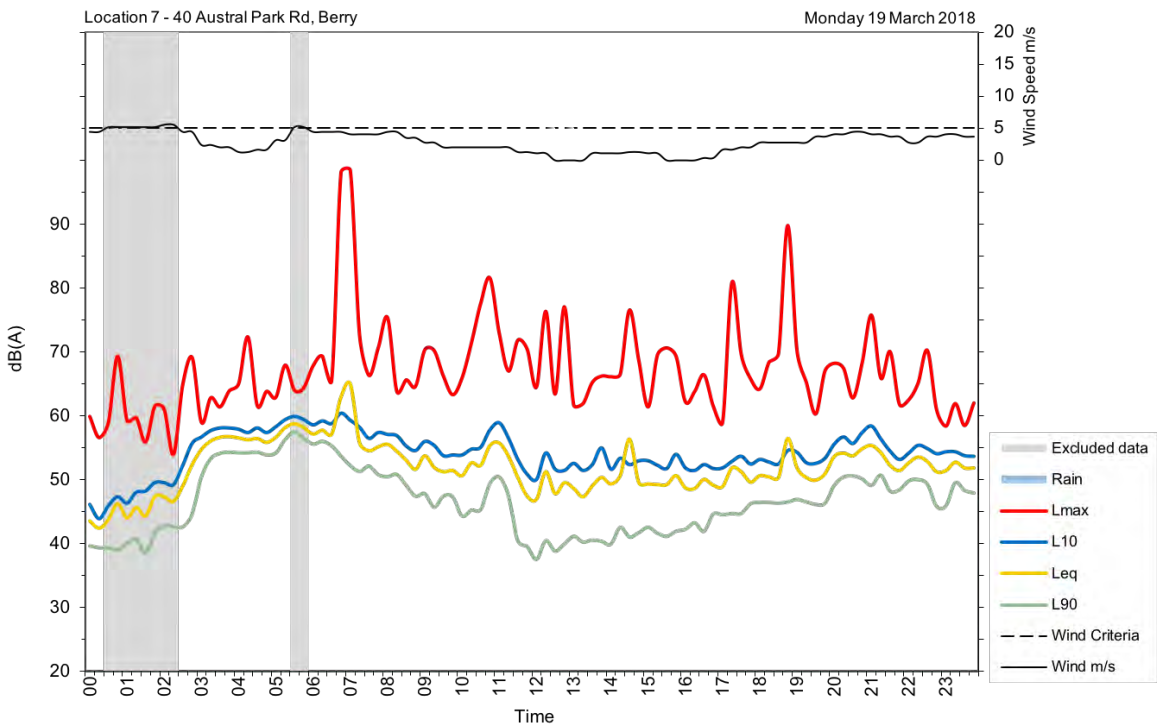
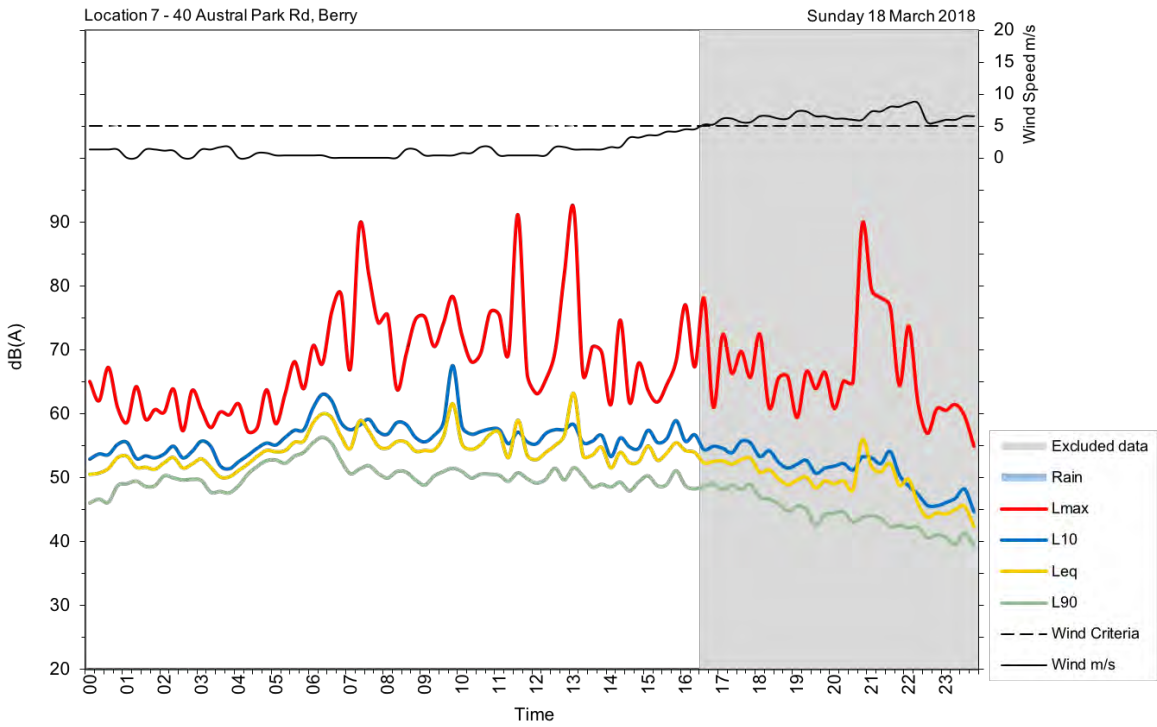


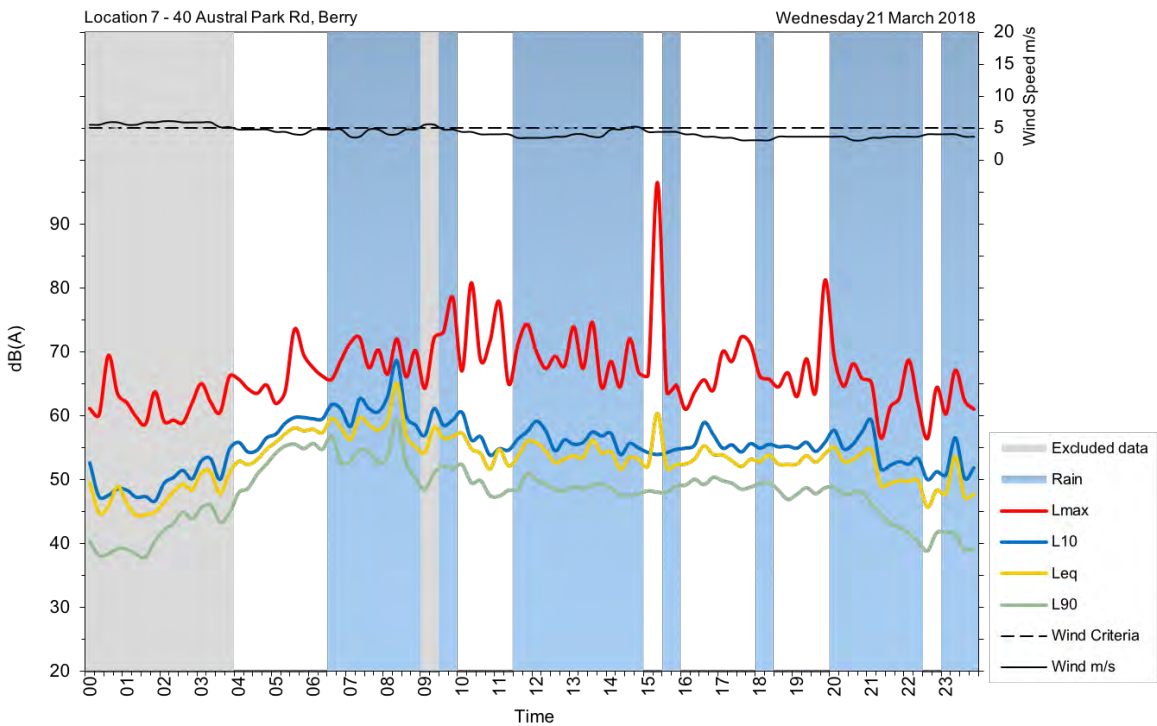
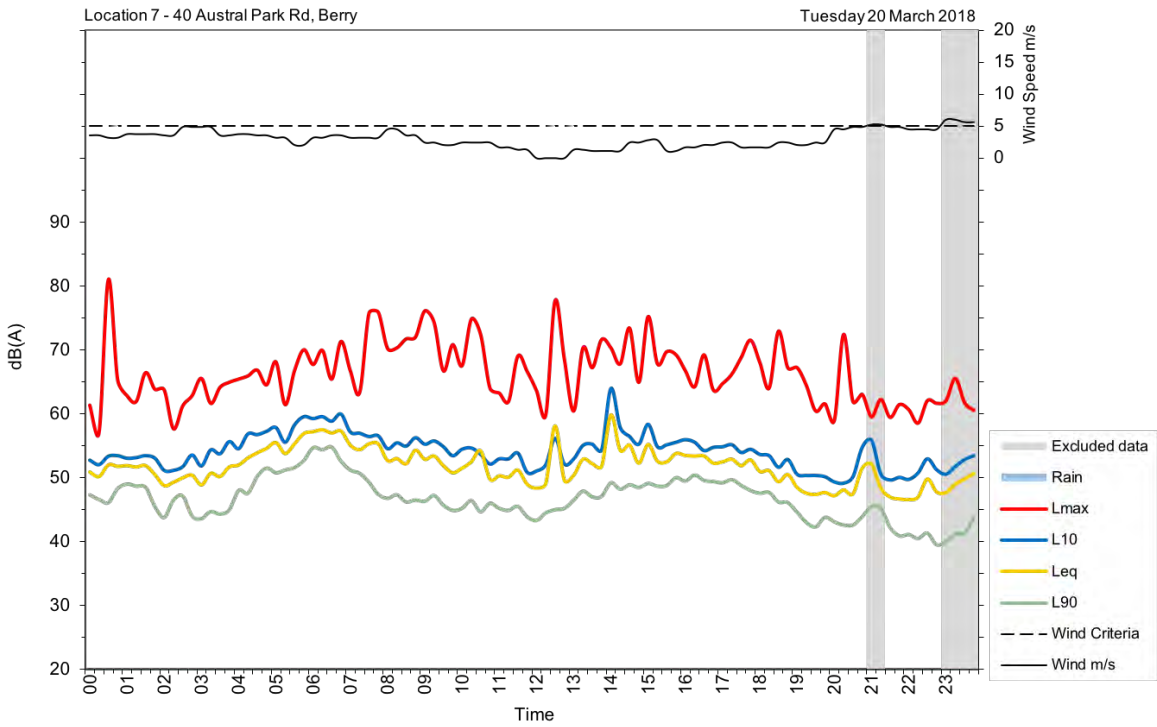
<b>Date</b>	<b>Day, L<sub>Aeq</sub>(15-hour)</b>	<b>Night, L<sub>Aeq</sub>(9-hour)</b>
Wednesday, 14 March 2018	52	48
Thursday, 15 March 2018	59	51
Friday, 16 March 2018	52	52
Saturday, 17 March 2018	51	52
Sunday, 18 March 2018	57	49
Monday, 19 March 2018	51	52
Tuesday, 20 March 2018	52	51
Wednesday, 21 March 2018	55	54
Thursday, 22 March 2018	53	53
Friday, 23 March 2018	56	53
Saturday, 24 March 2018	52	48
Sunday, 25 March 2018	53	51
Monday, 26 March 2018	55	50
Tuesday, 27 March 2018	51	
Wednesday, 28 March 2018	53	
<b>Overall</b>	<b>54</b>	<b>51</b>



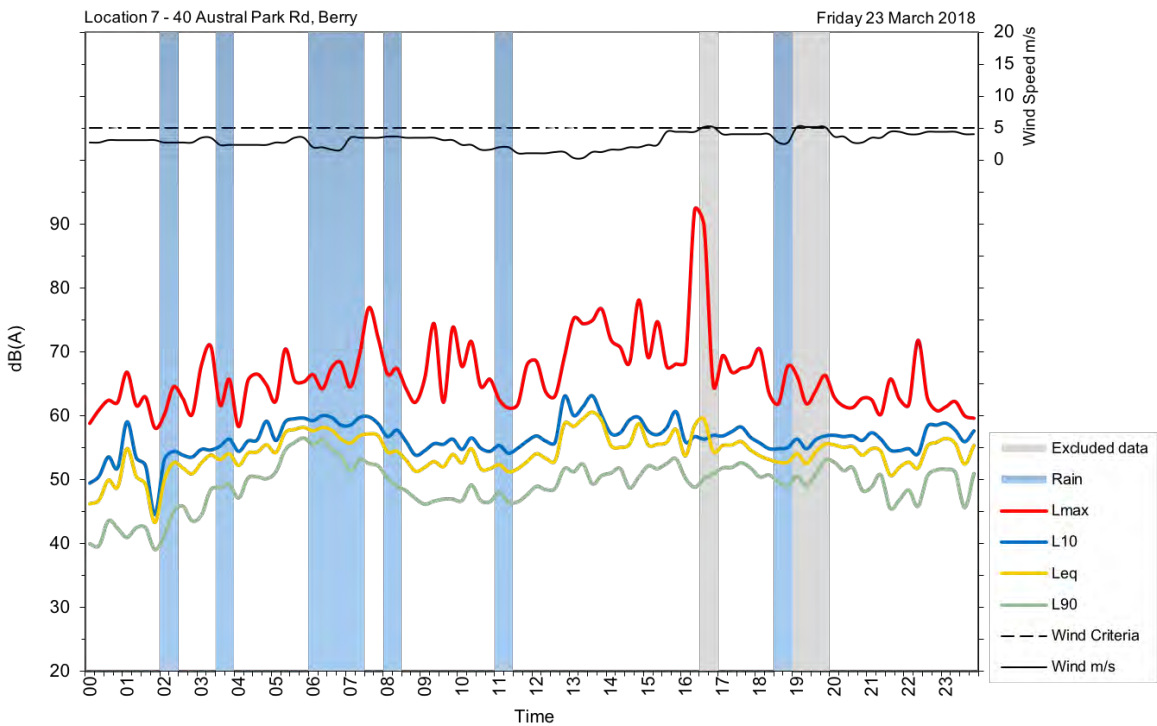
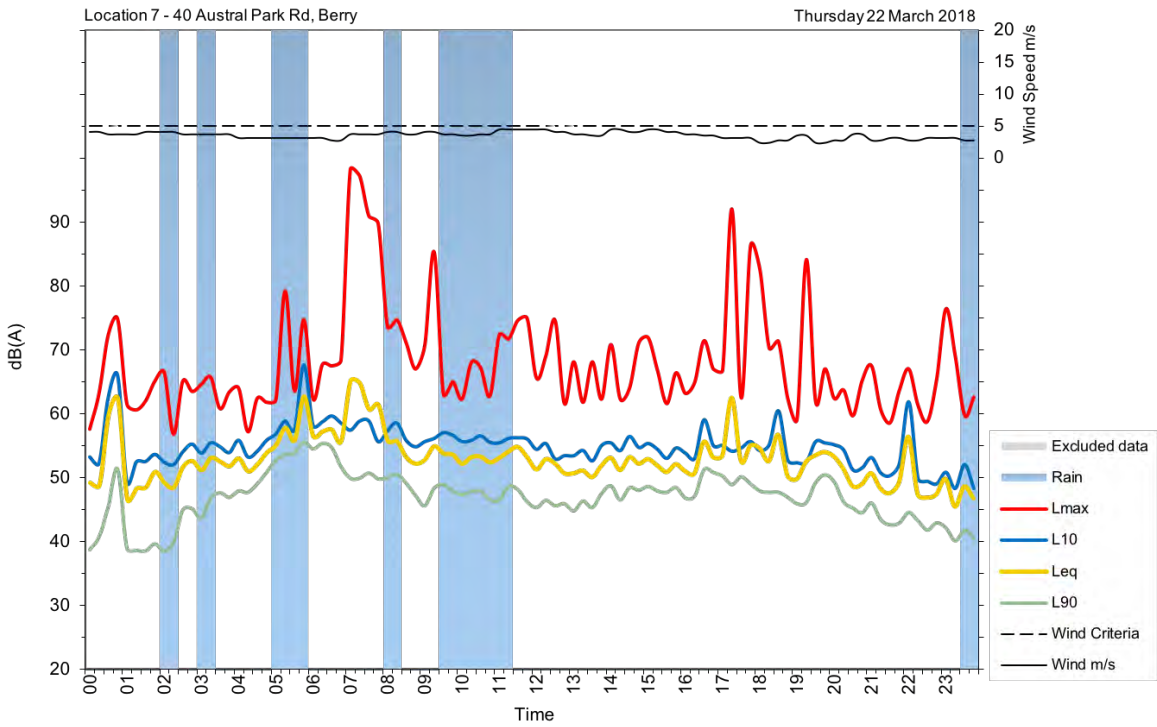


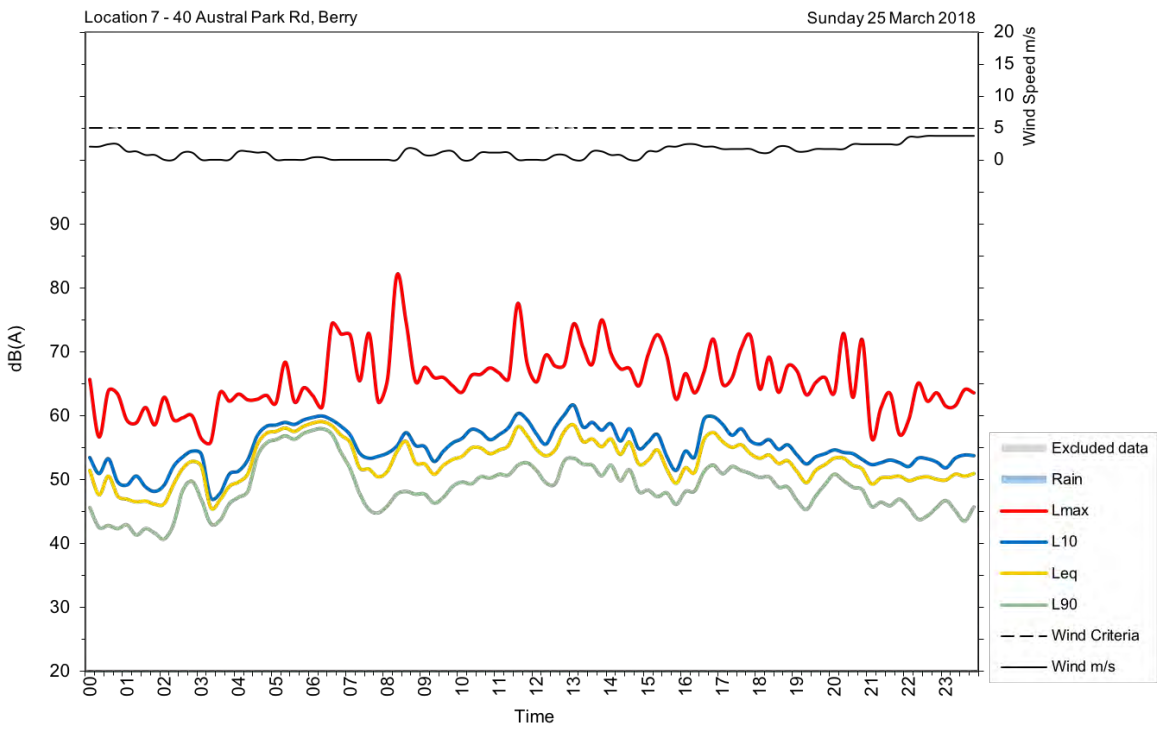
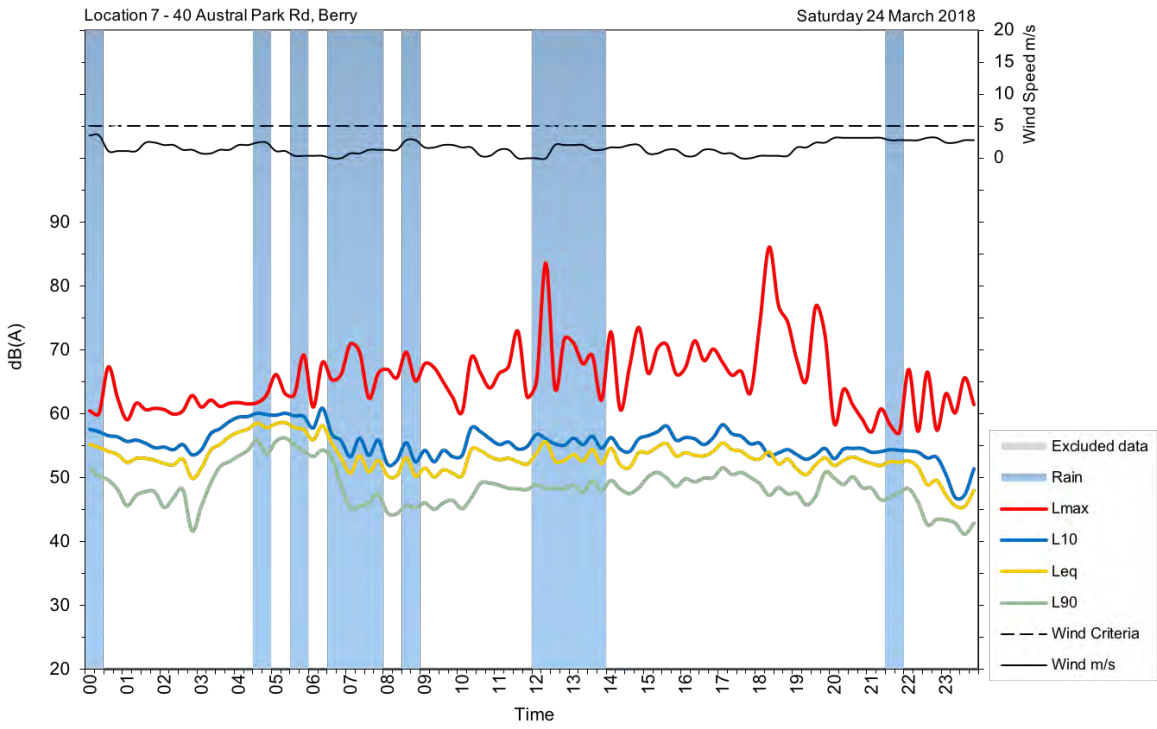


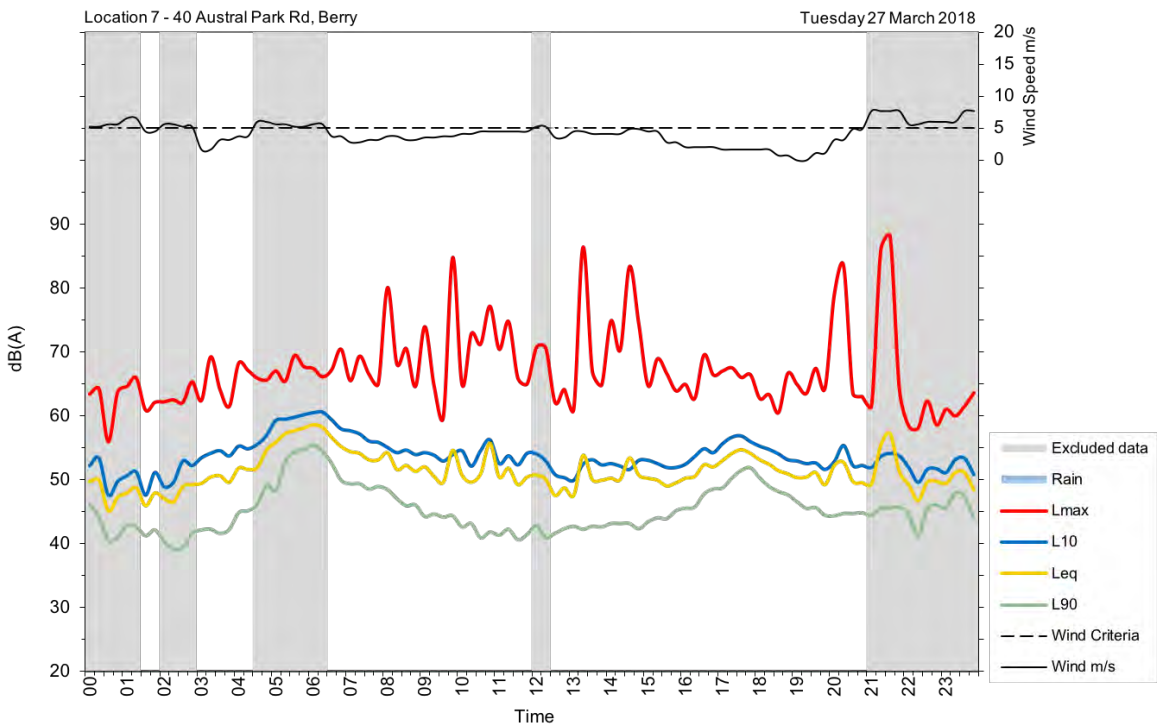
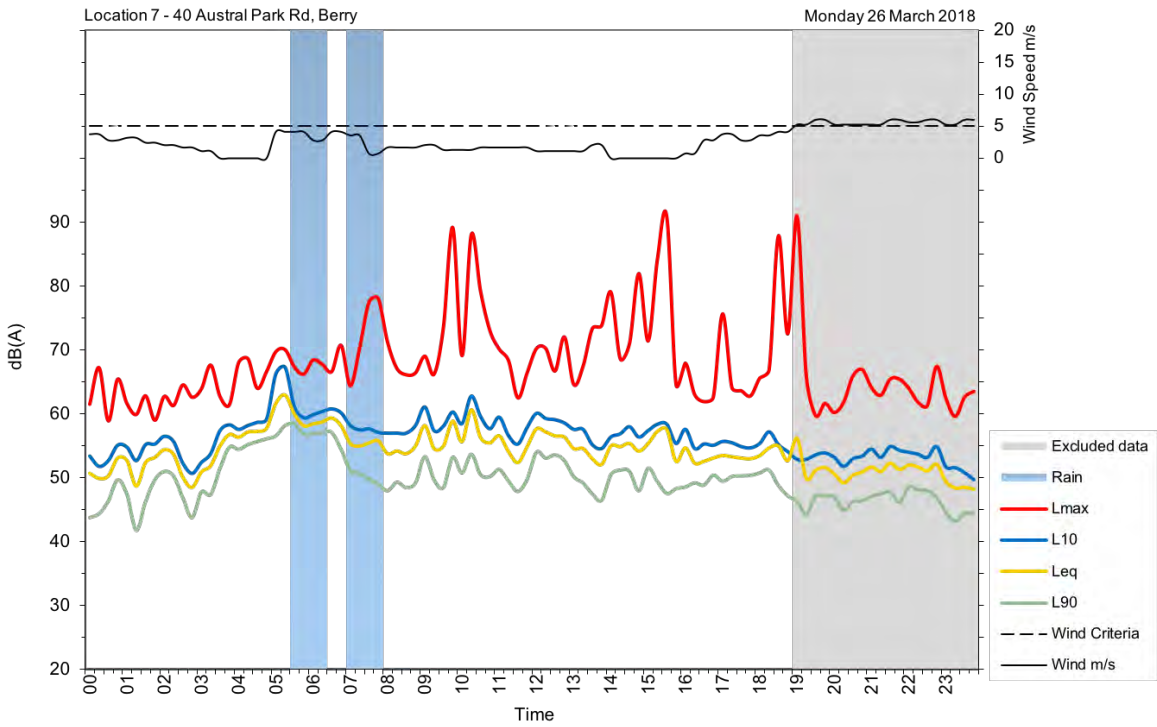


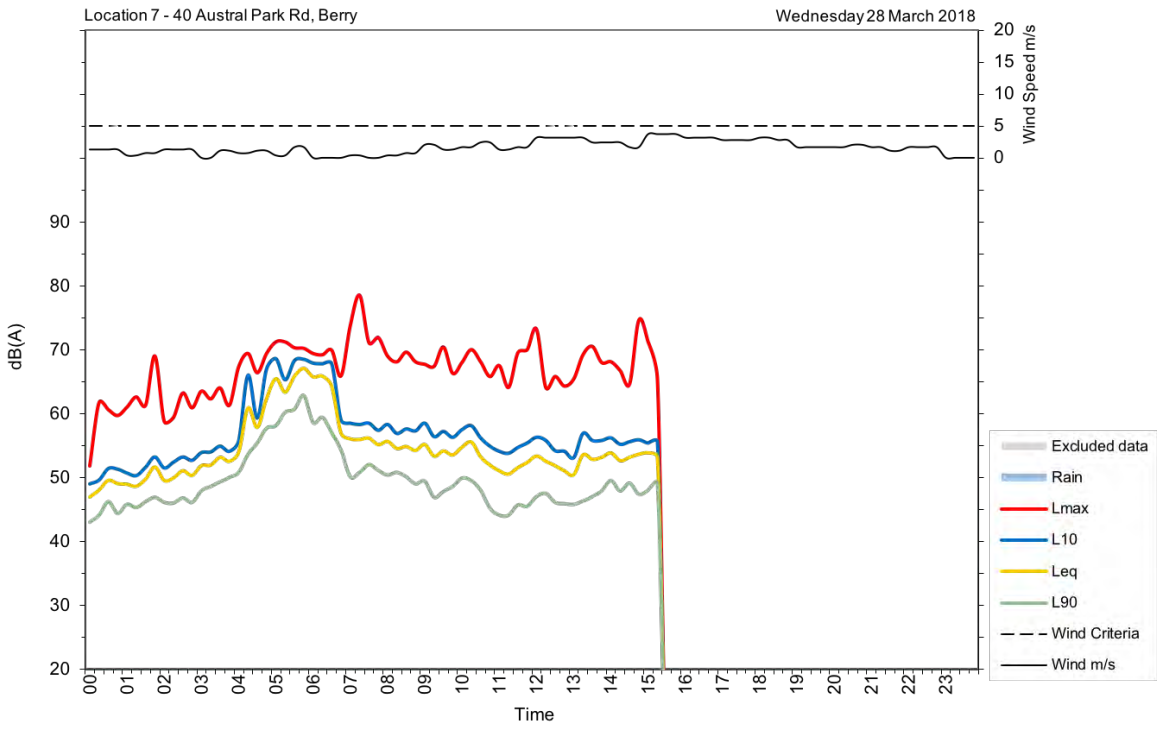












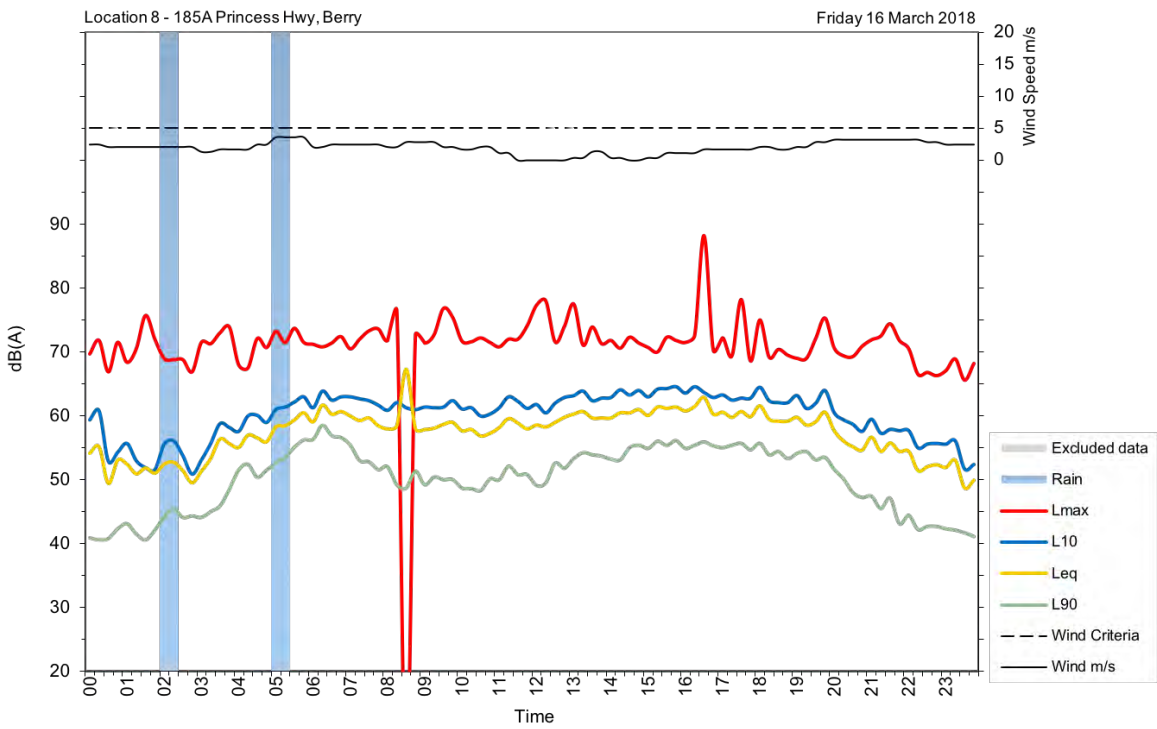


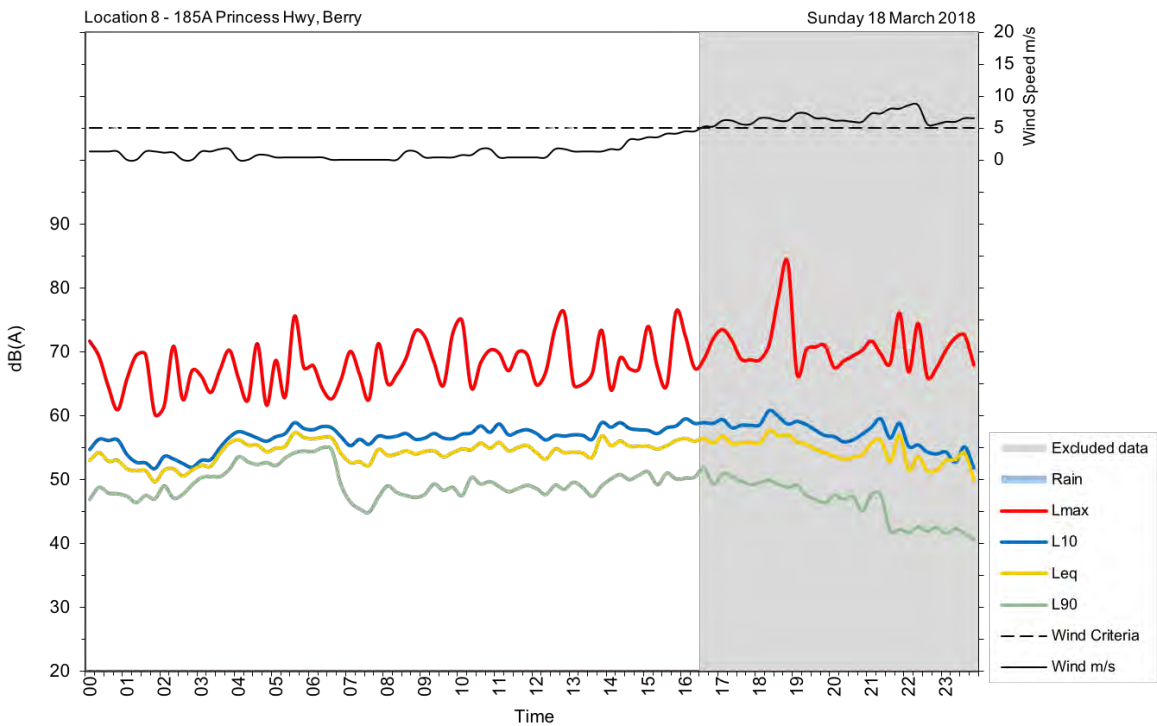
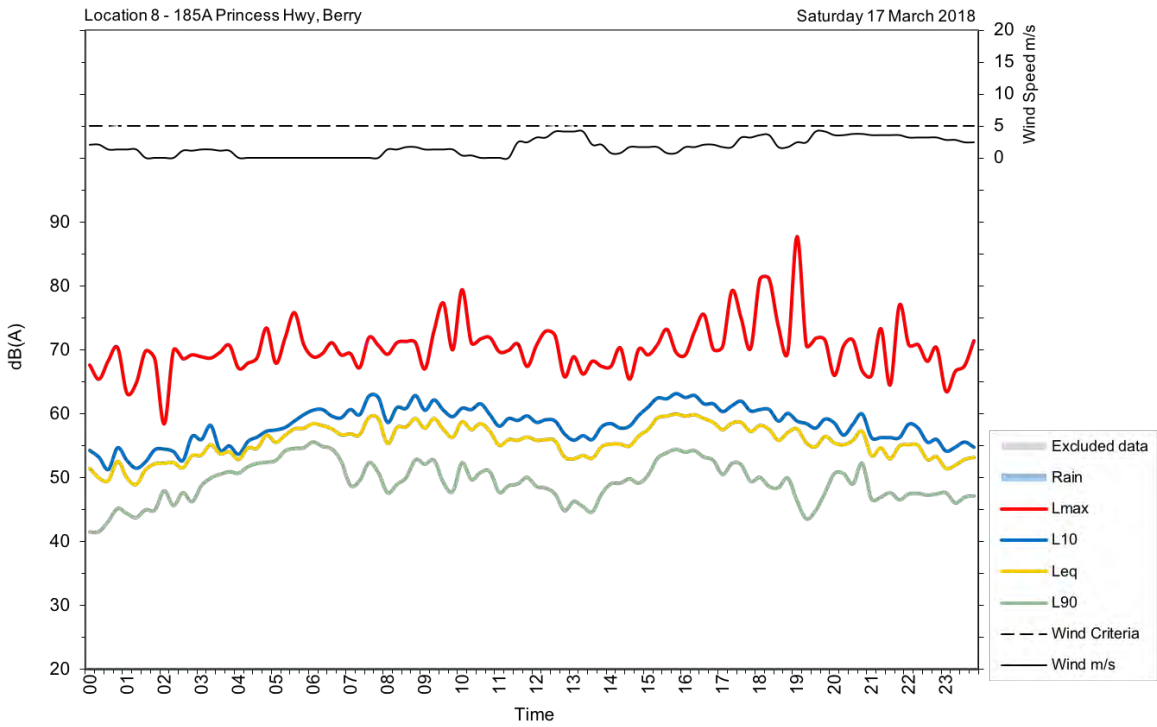
**U8**

<b>Address/location</b>	185A Princes Highway, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Thursday, 15 March 2018 to Tuesday, 10 April 2018

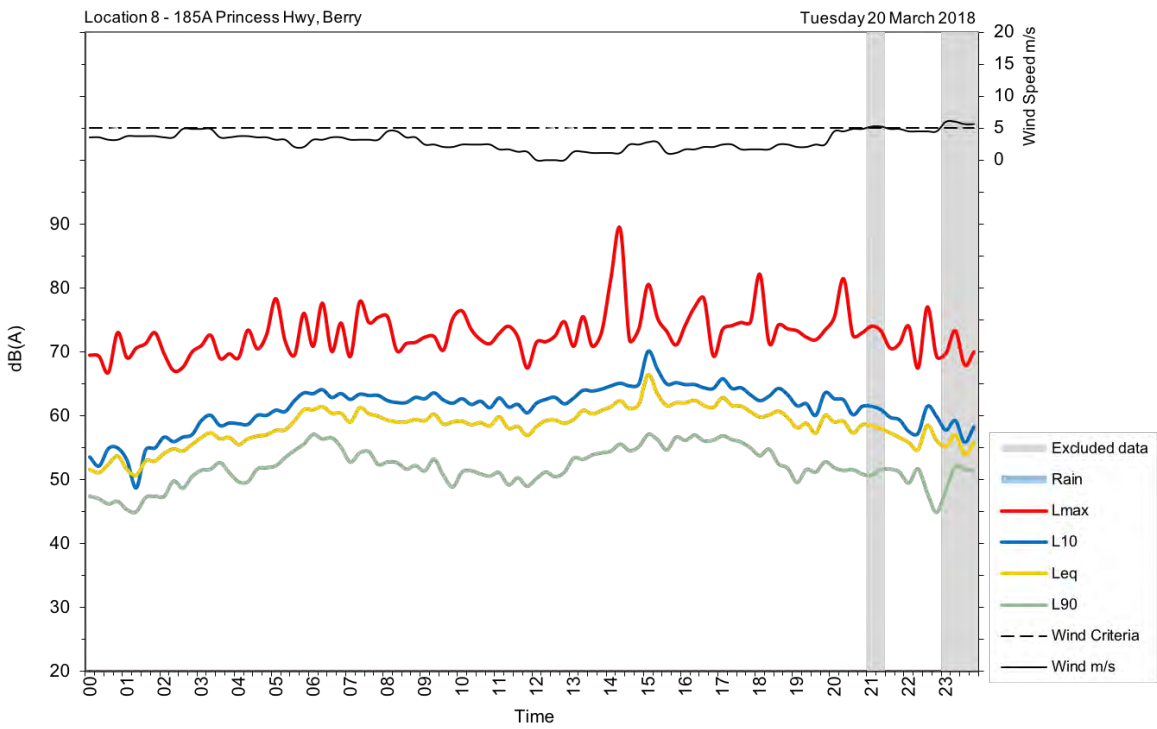
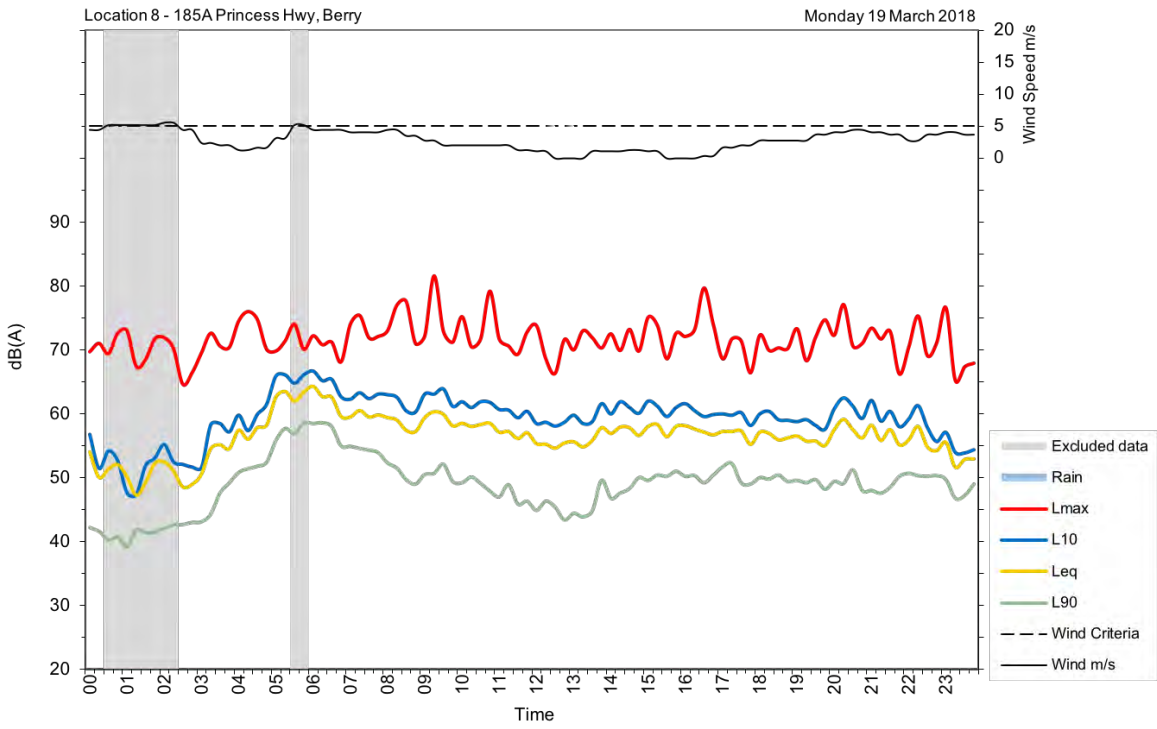


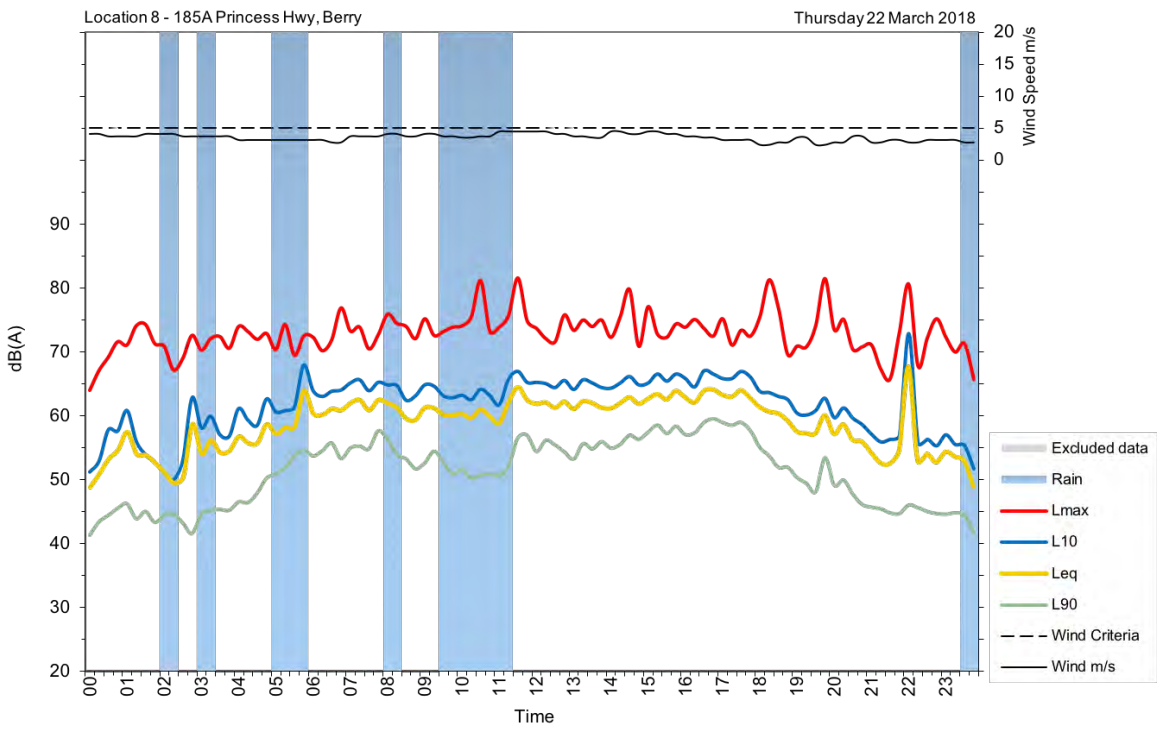
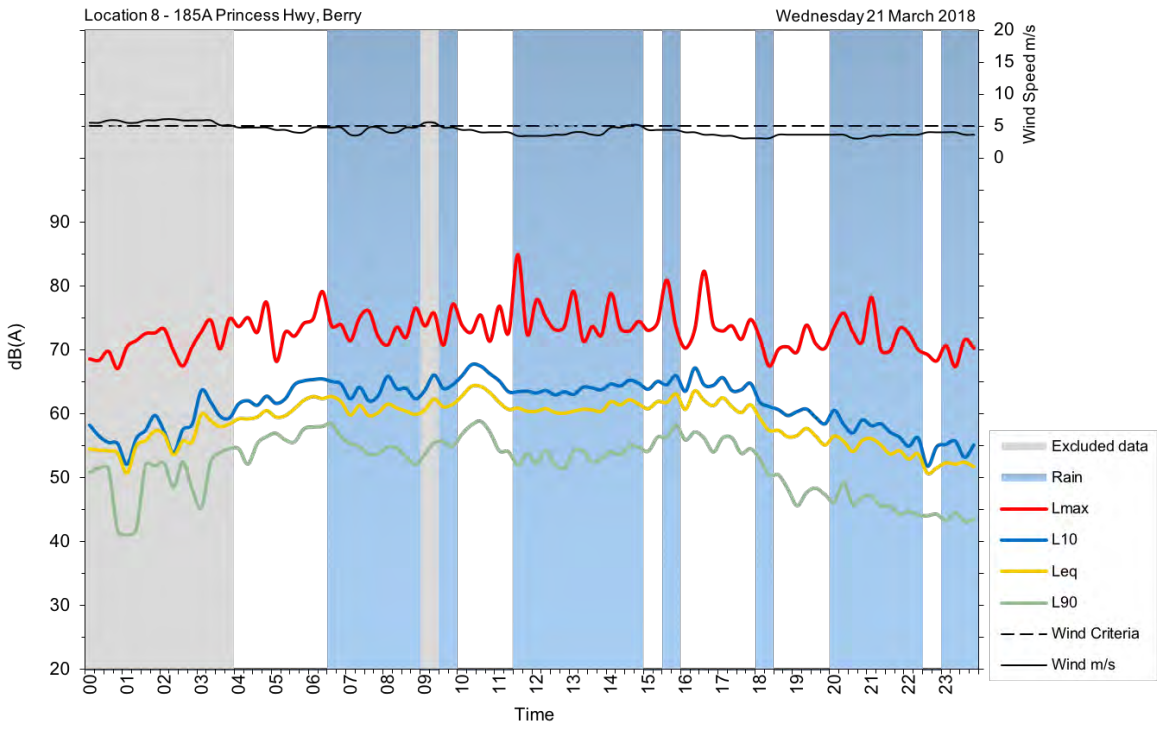
Date	Day, L <sub>Aeq</sub> (15-hour)	Night, L <sub>Aeq</sub> (9-hour)
Thursday, 15 March 2018	58	56
Friday, 16 March 2018	59	53
Saturday, 17 March 2018	57	53
Sunday, 18 March 2018	55	59
Monday, 19 March 2018	58	58
Tuesday, 20 March 2018	60	60
Wednesday, 21 March 2018	61	57
Thursday, 22 March 2018	61	57
Friday, 23 March 2018	60	55
Saturday, 24 March 2018	58	53
Sunday, 25 March 2018	56	56
Monday, 26 March 2018	58	57
Tuesday, 27 March 2018	58	59
Wednesday, 28 March 2018	59	57
Thursday, 29 March 2018	60	56
Friday, 30 March 2018	57	49
Saturday, 31 March 2018	58	52
Sunday, 1 April 2018	58	53
Monday, 2 April 2018	59	56
Tuesday, 3 April 2018	60	56
Wednesday, 4 April 2018	59	57
Thursday, 5 April 2018	59	56
Friday, 6 April 2018	60	54
Saturday, 7 April 2018	57	50
Sunday, 8 April 2018	56	56
Monday, 9 April 2018	57	57
Tuesday, 10 April 2018	59	
<b>Overall</b>	<b>59</b>	<b>57</b>

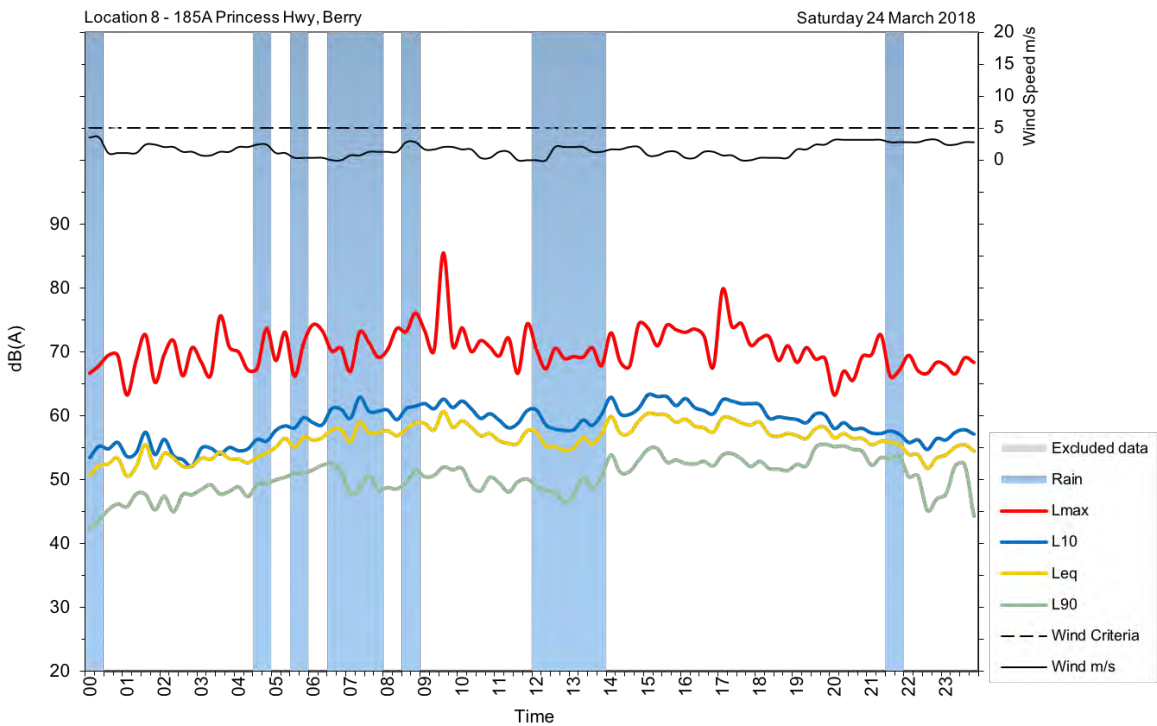
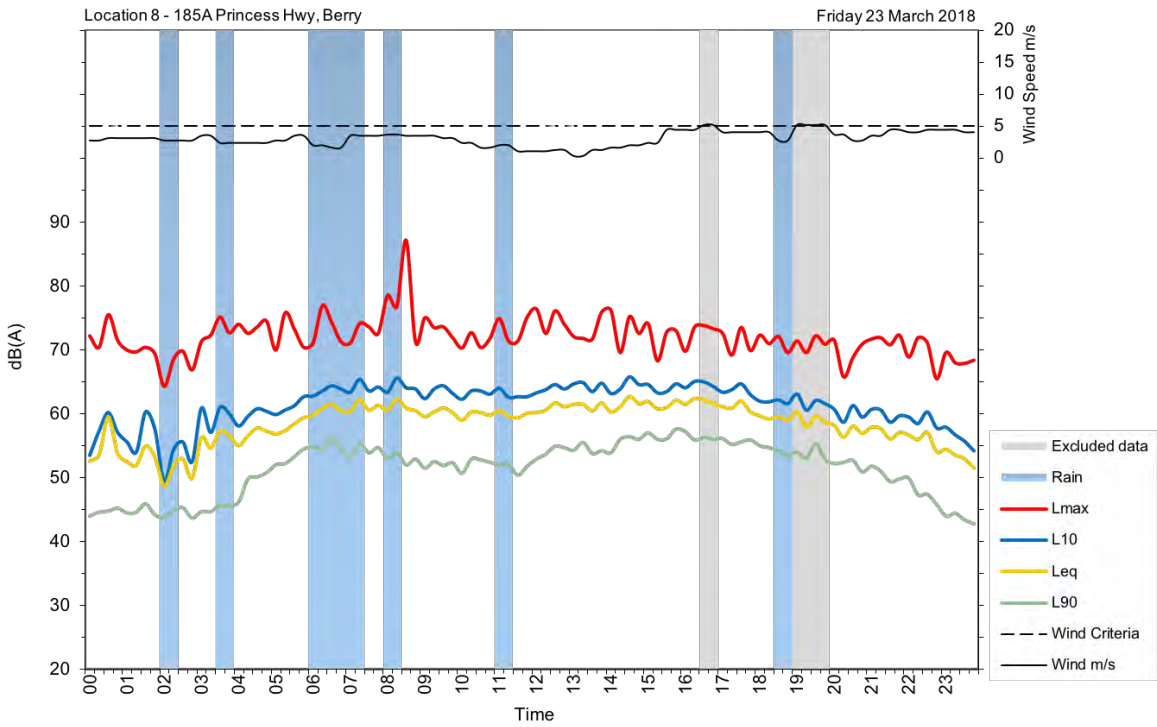


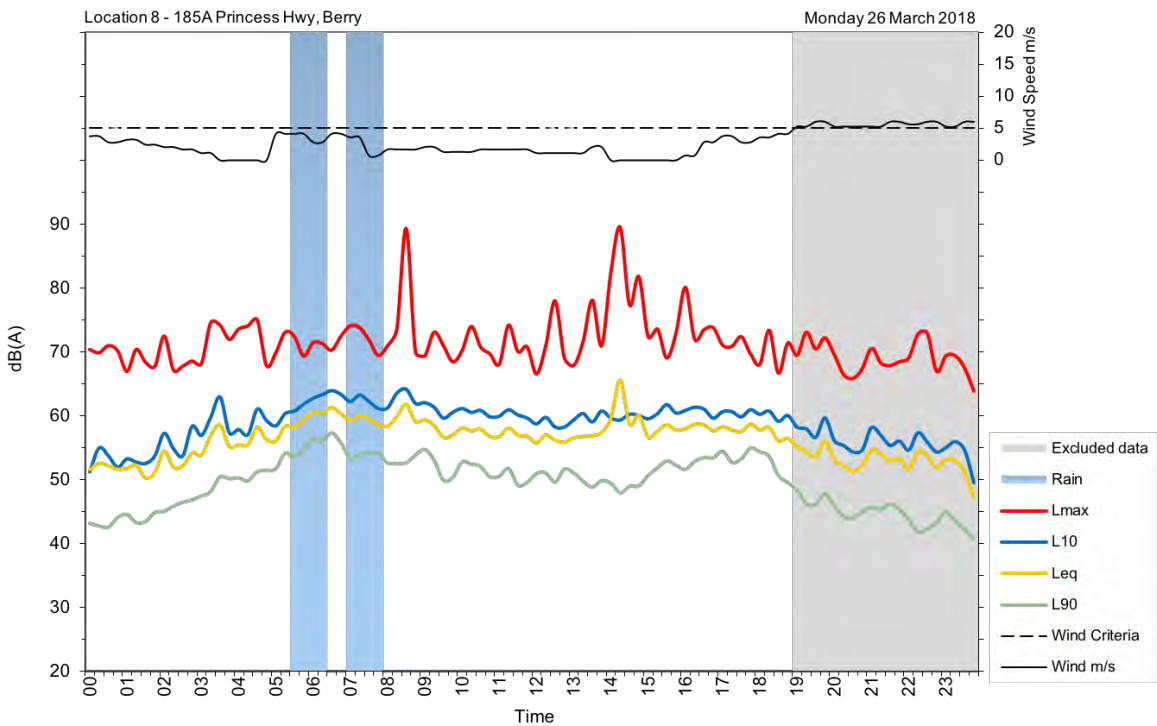




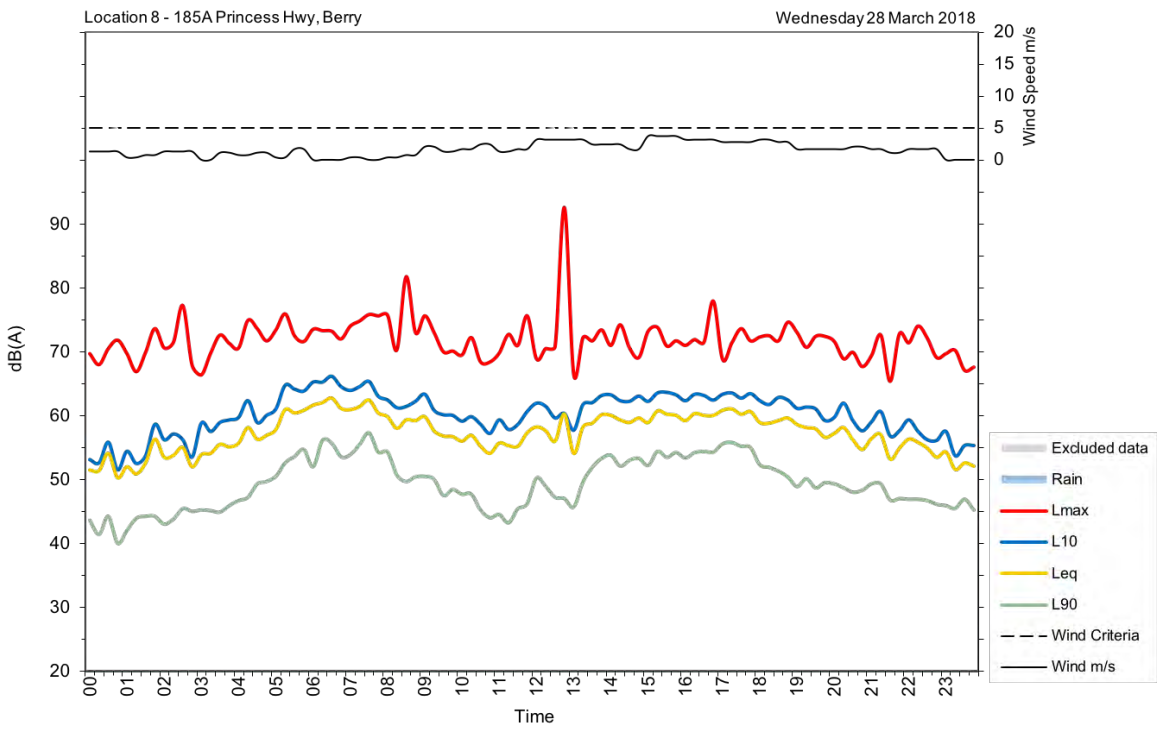
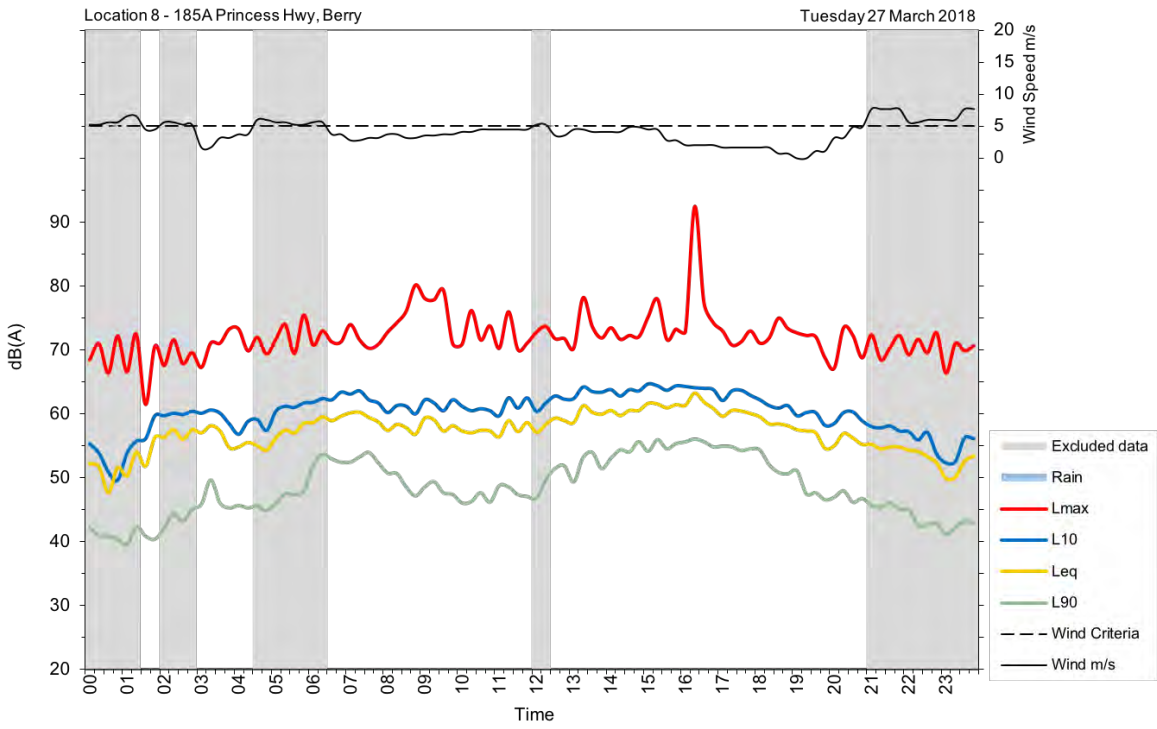


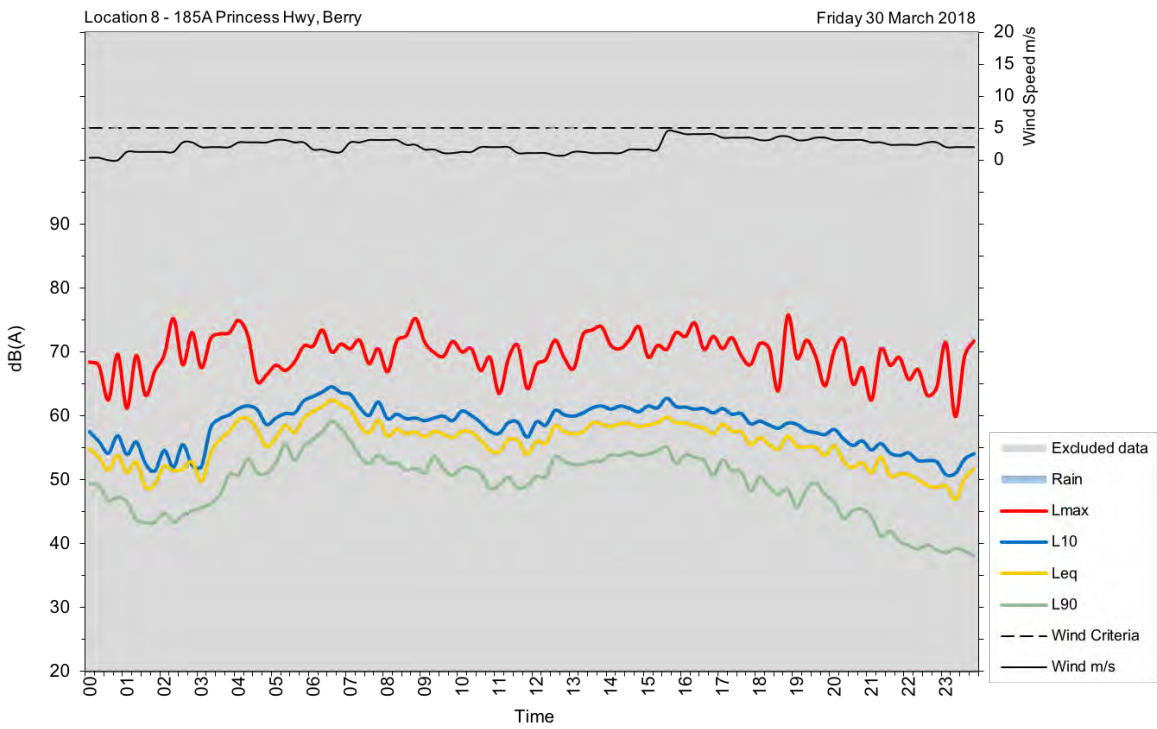
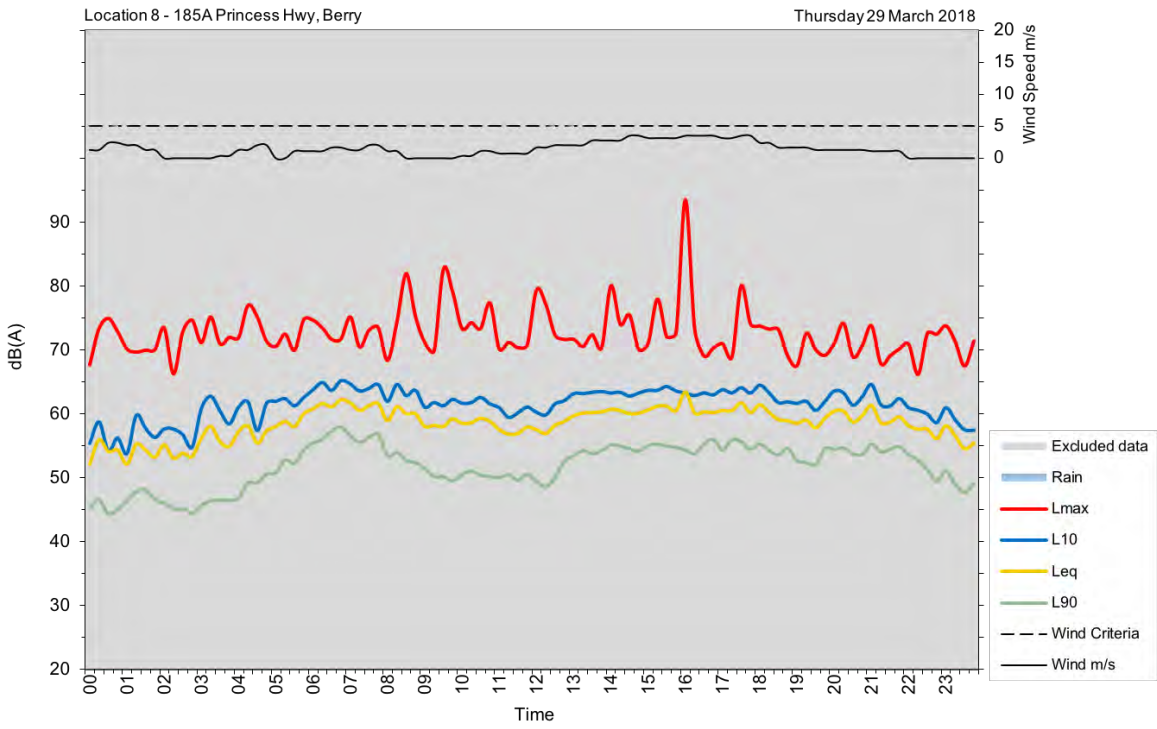


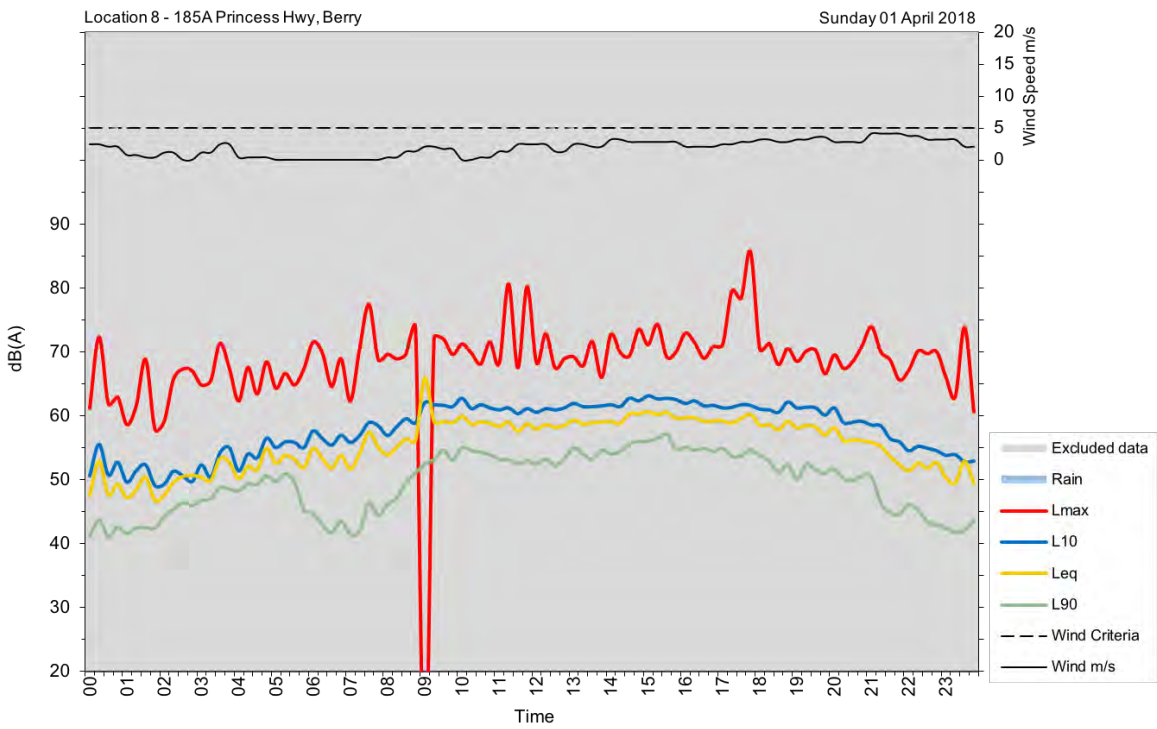
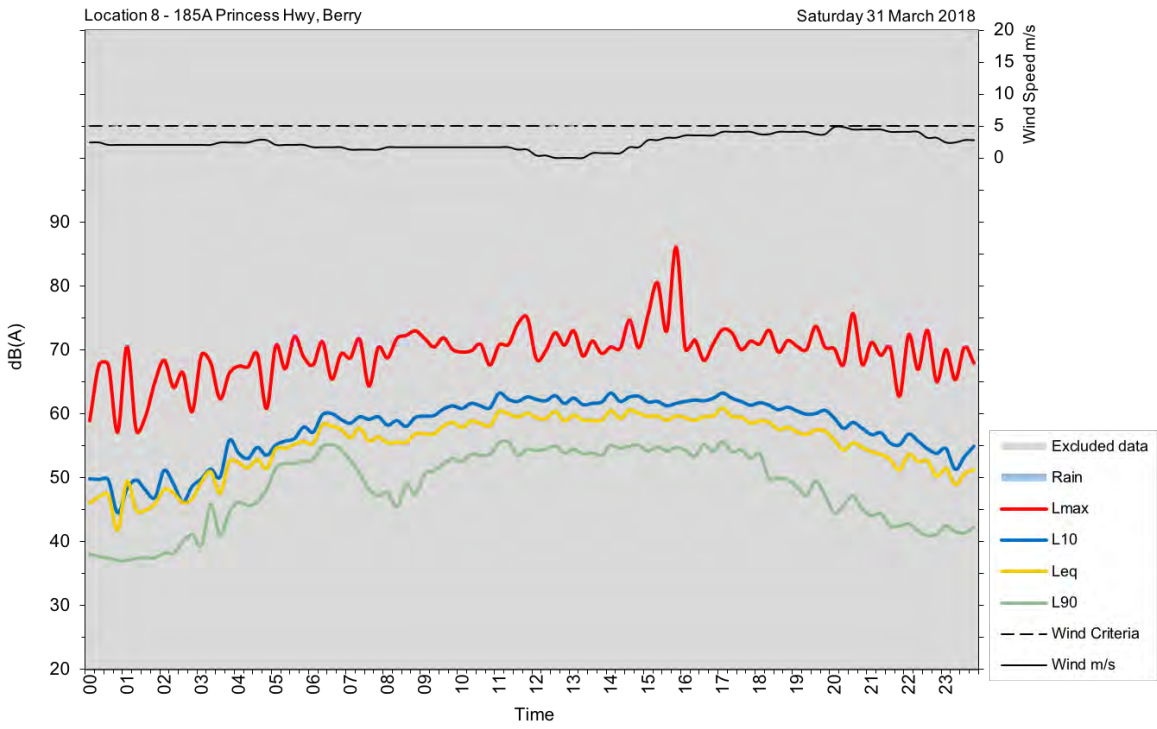


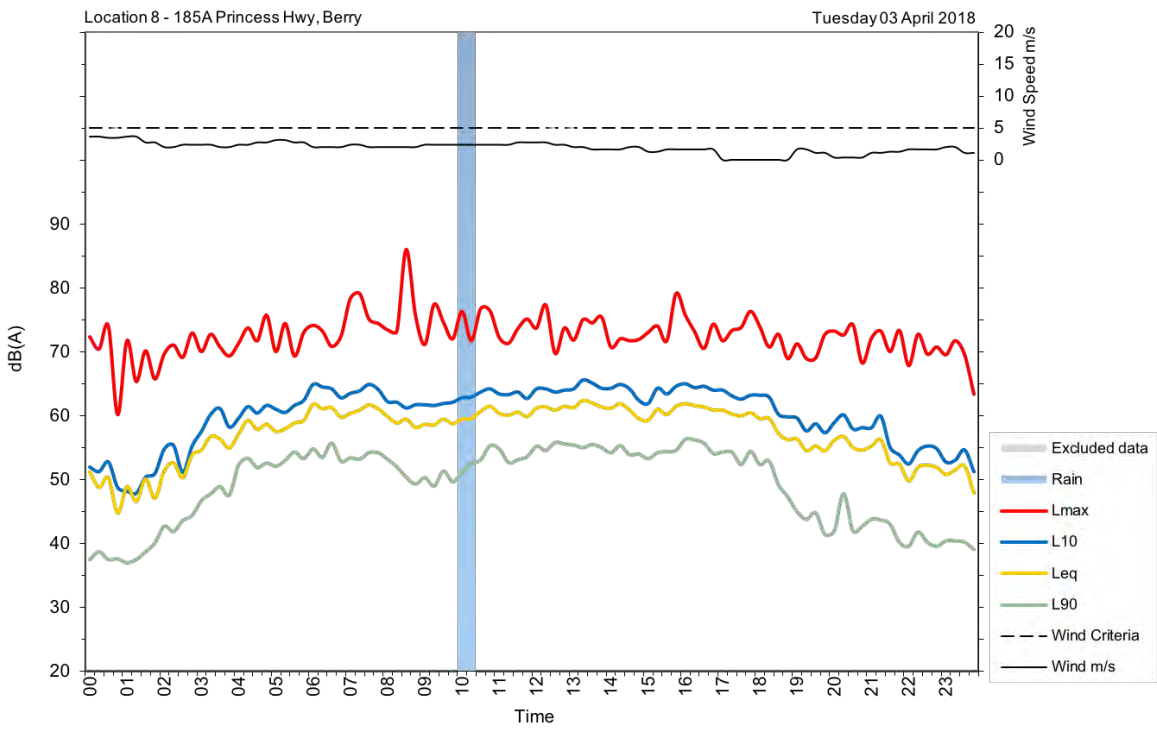
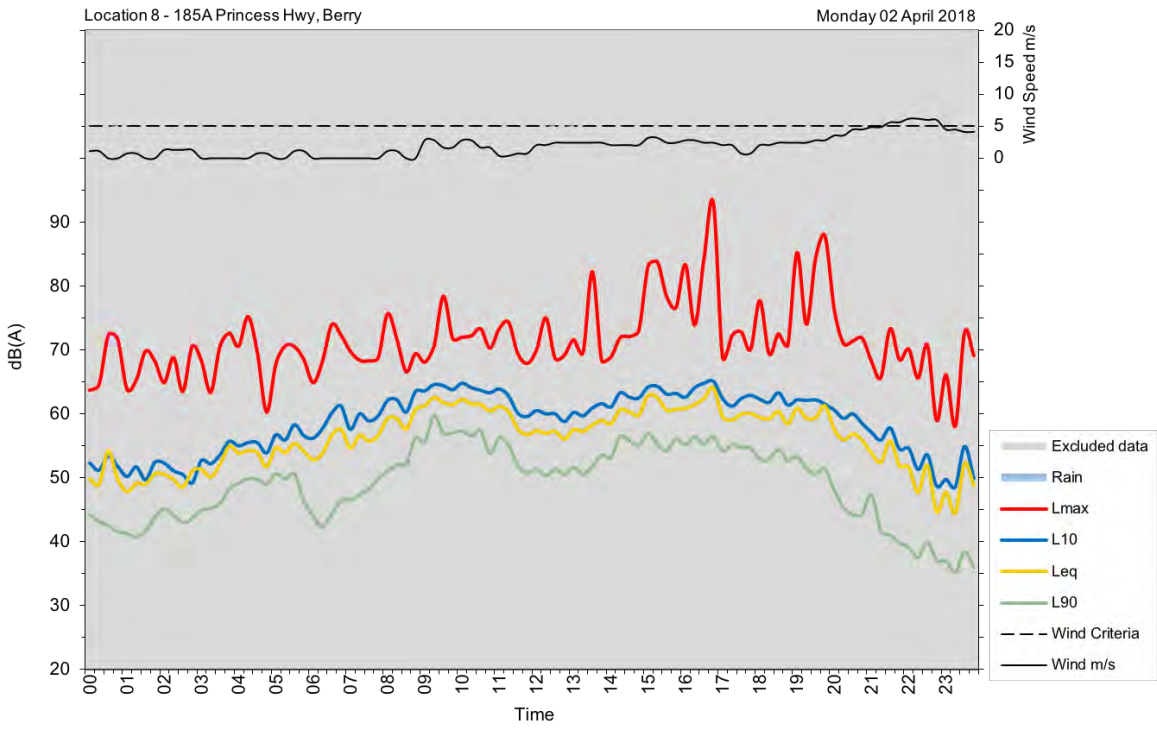




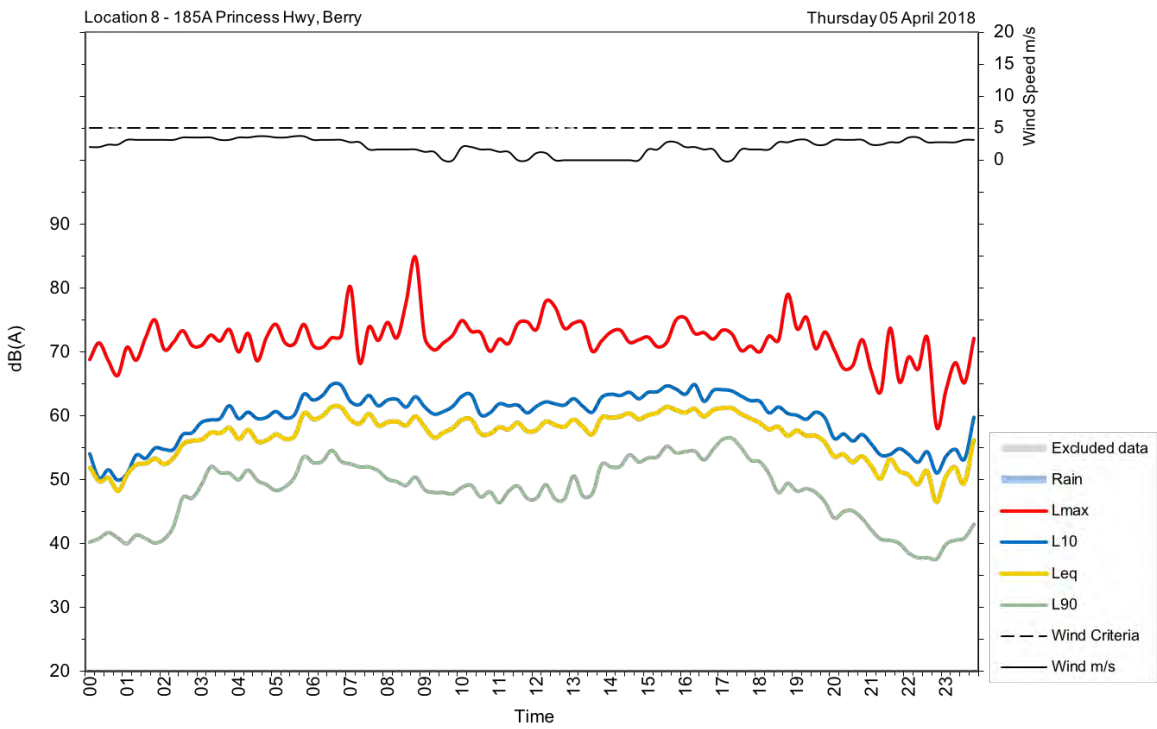
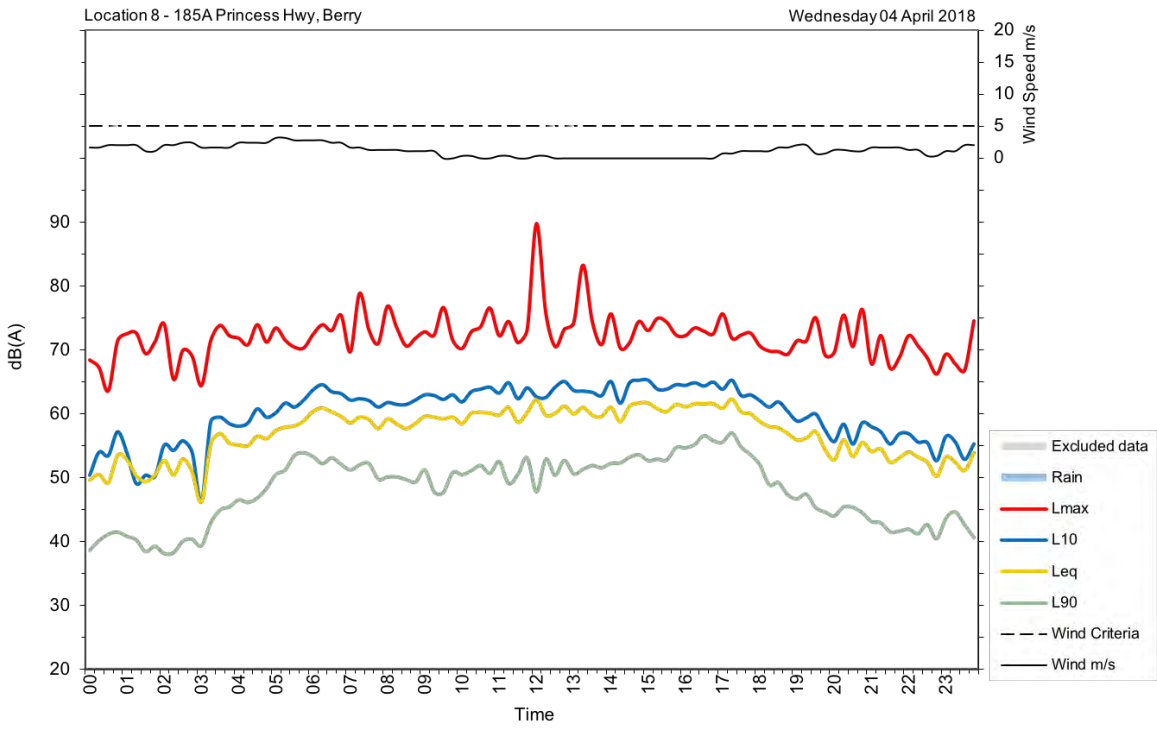


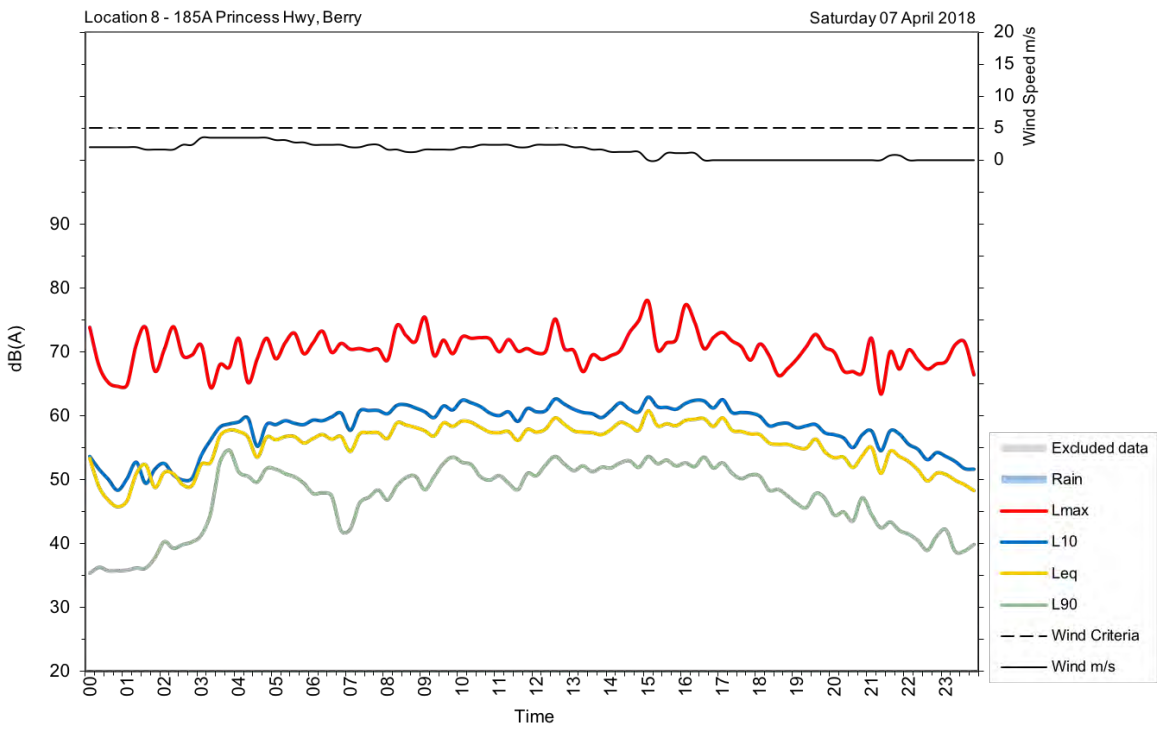
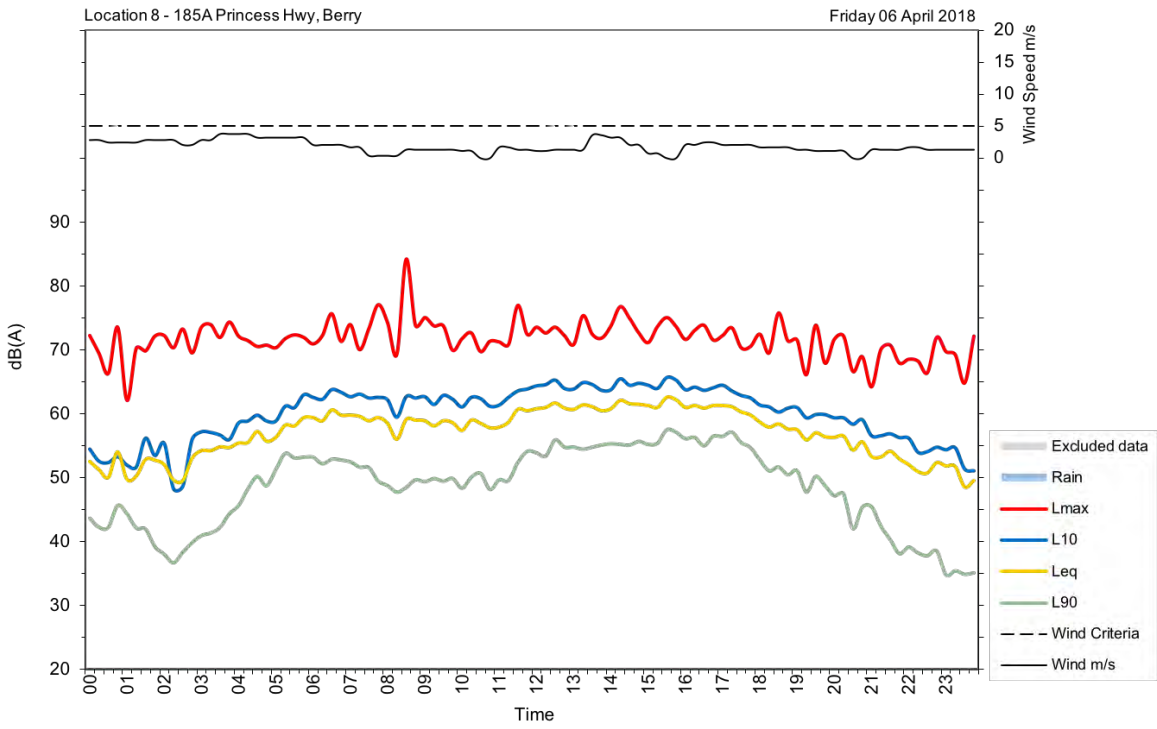


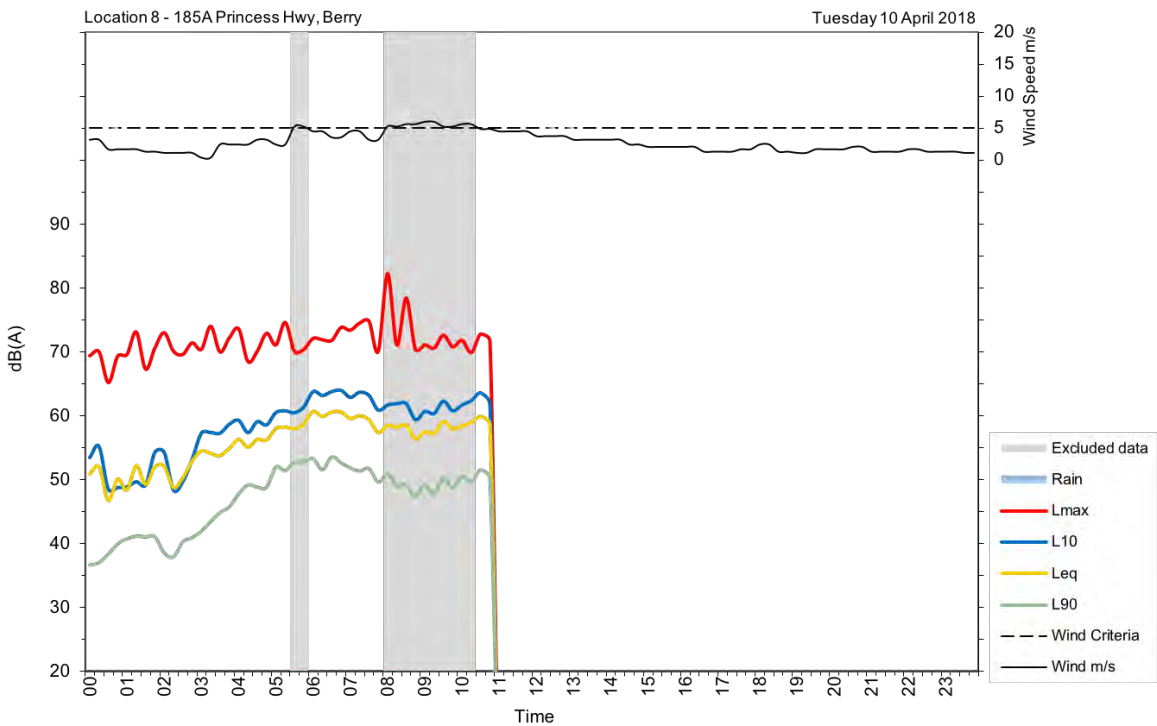
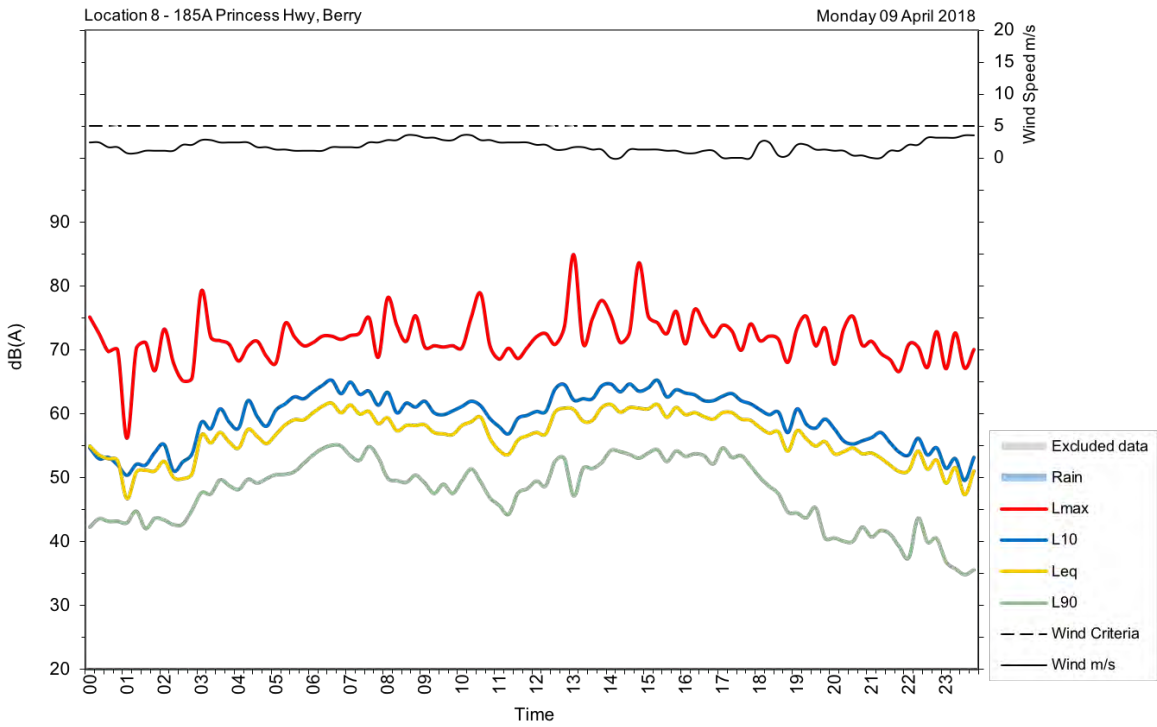












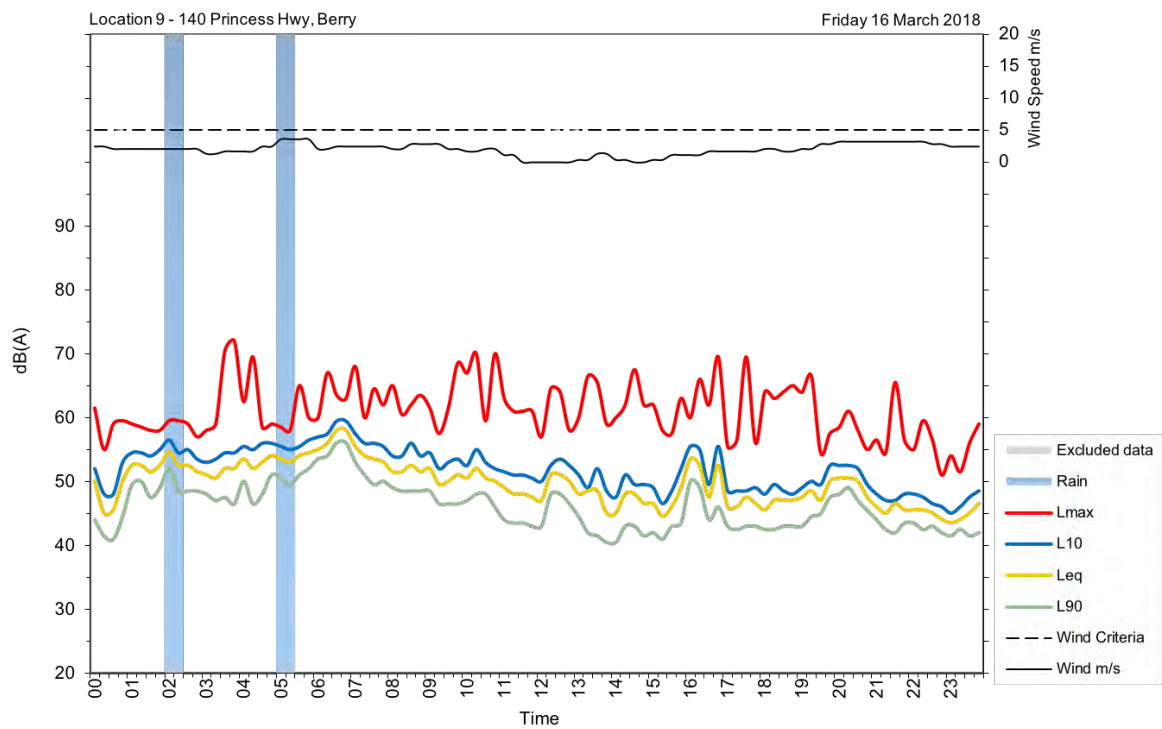
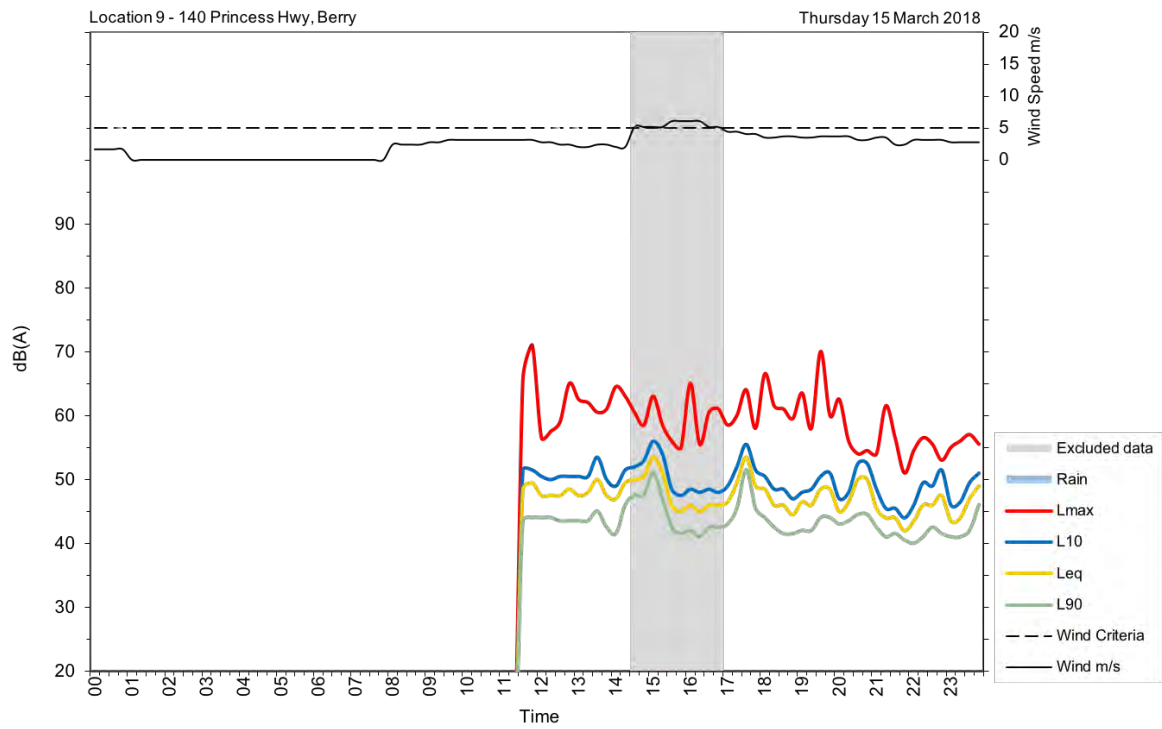
U9

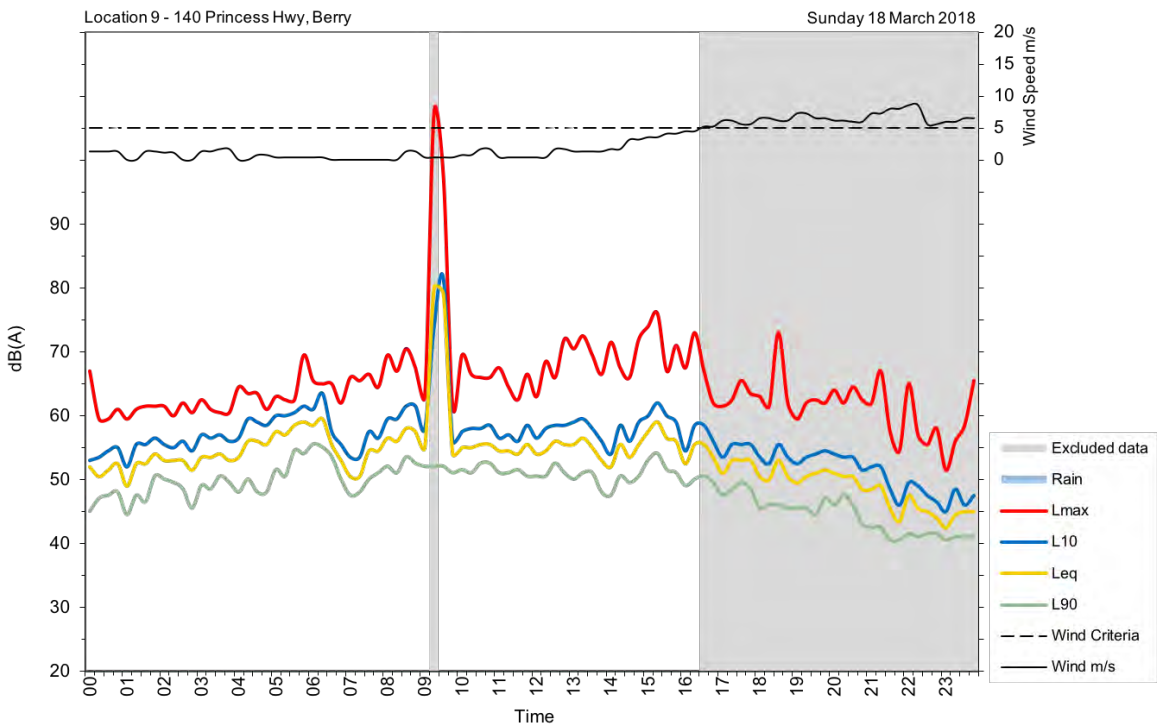
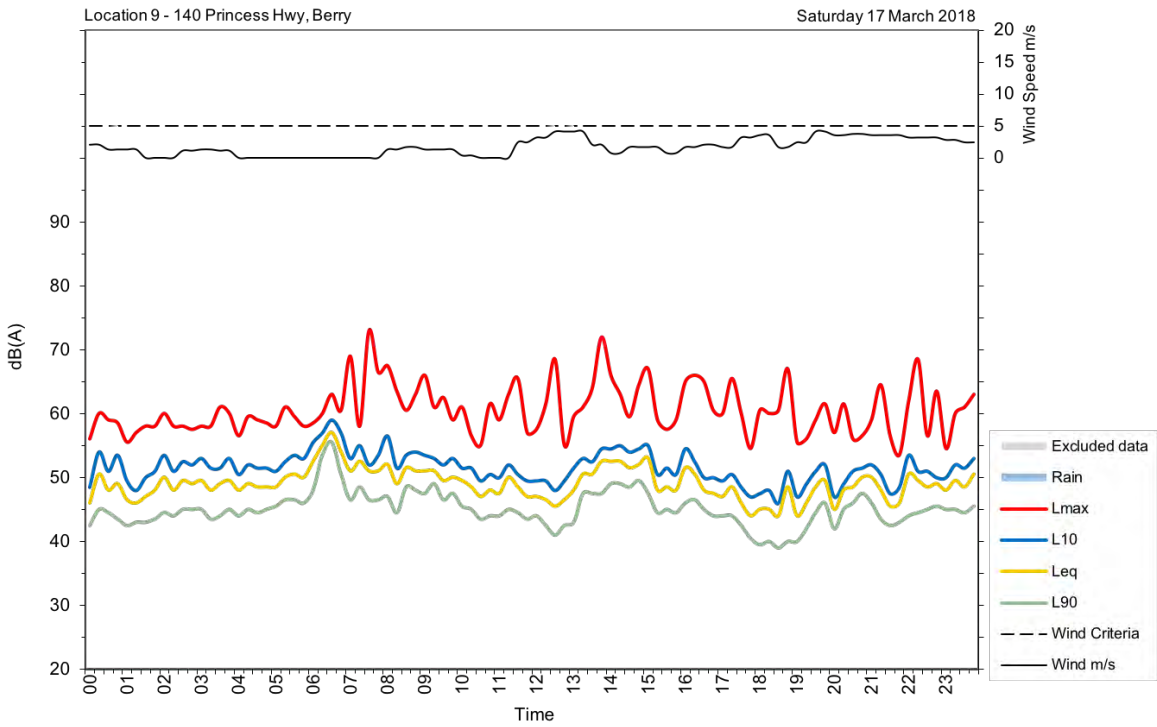
Address/location	140 Princes Highway, Berry
Measurement location	Free-field
Measurement details	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
Logging period	Thursday, 15 March 2018 to Tuesday, 10 April 2018

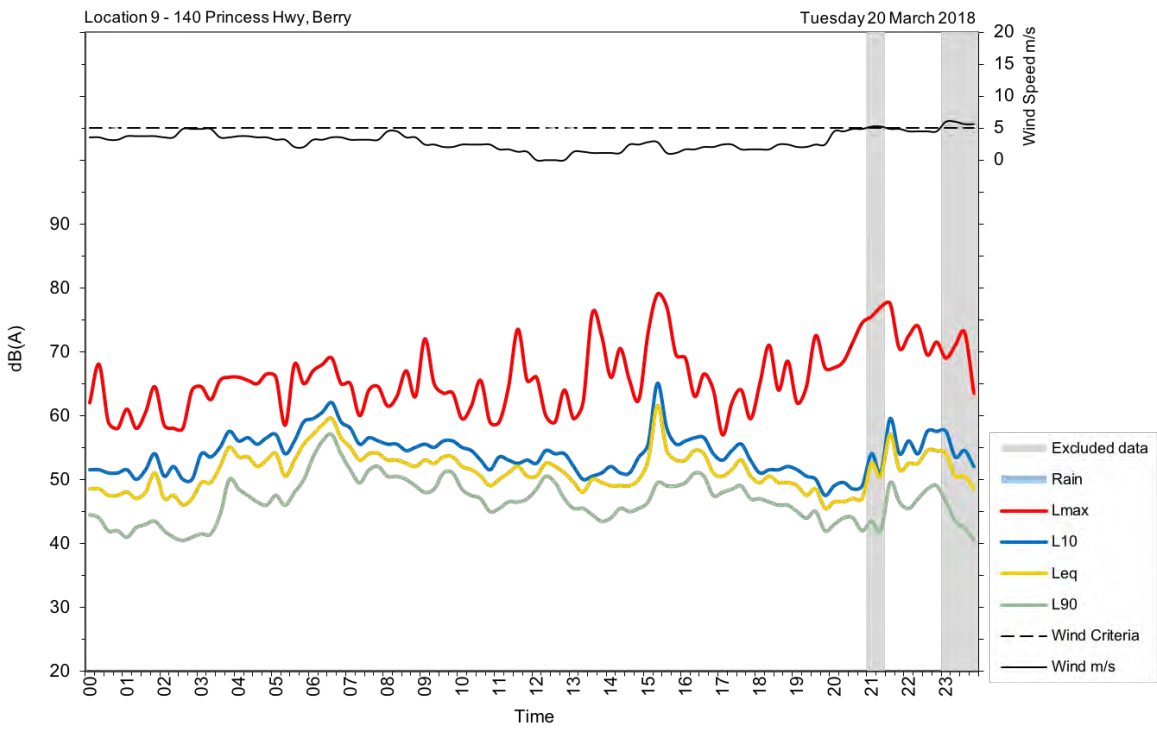
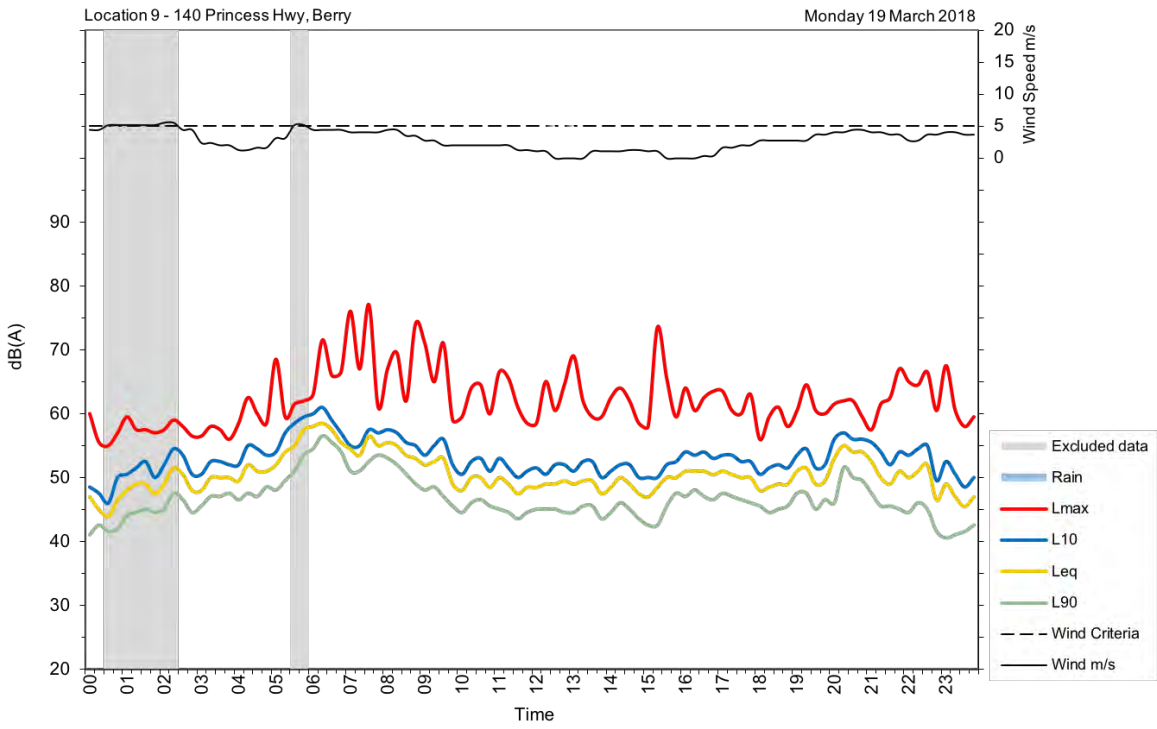




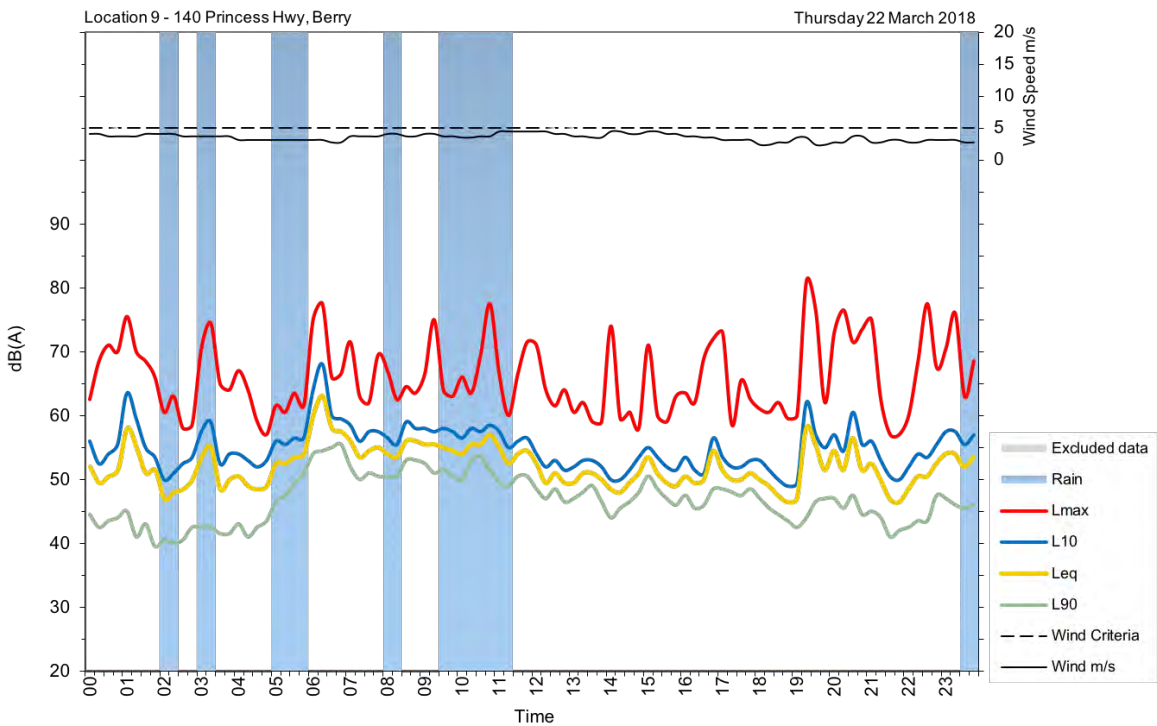
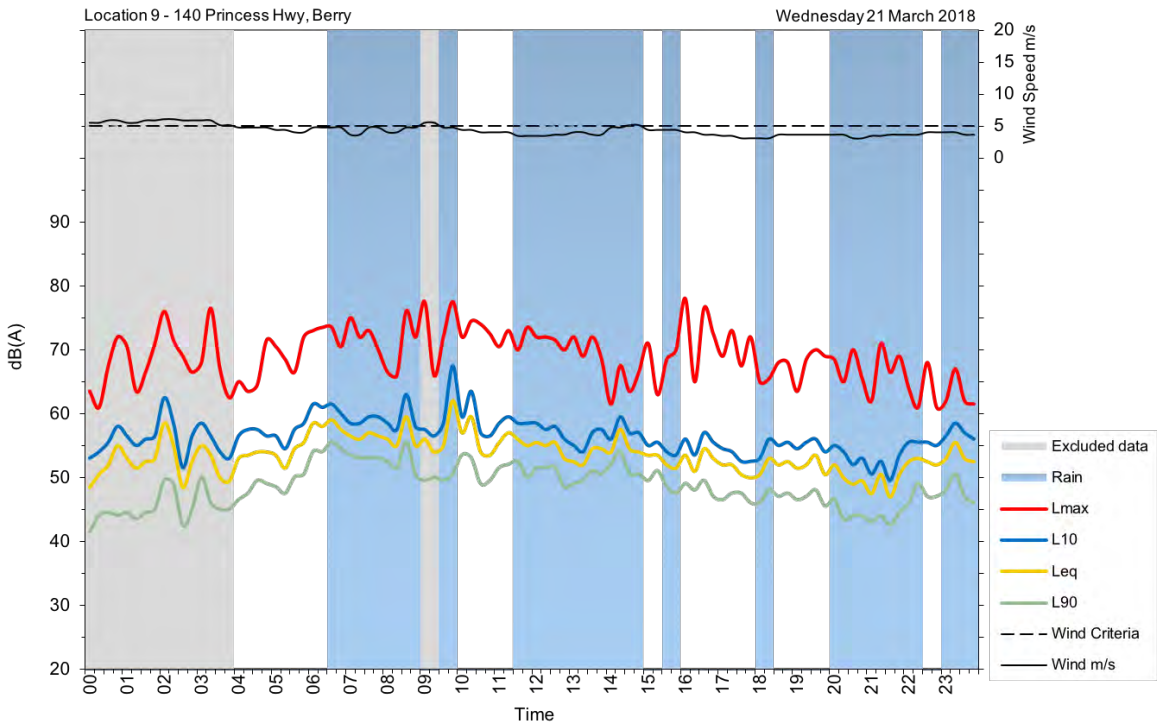
Date	Day, L <sub>Aeq</sub> (15-hour)	Night, L <sub>Aeq</sub> (9-hour)
Thursday, 15 March 2018	48	50
Friday, 16 March 2018	50	50
Saturday, 17 March 2018	49	53
Sunday, 18 March 2018	56	52
Monday, 19 March 2018	50	50
Tuesday, 20 March 2018	53	54
Wednesday, 21 March 2018	54	52
Thursday, 22 March 2018	54	52
Friday, 23 March 2018	51	49
Saturday, 24 March 2018	50	49
Sunday, 25 March 2018	53	51
Monday, 26 March 2018	56	48
Tuesday, 27 March 2018	55	50
Wednesday, 28 March 2018	50	52
Thursday, 29 March 2018	59	47
Friday, 30 March 2018	48	48
Saturday, 31 March 2018	49	50
Sunday, 1 April 2018	54	53
Monday, 2 April 2018	50	52
Tuesday, 3 April 2018	50	46
Wednesday, 4 April 2018	49	50
Thursday, 5 April 2018	49	47
Friday, 6 April 2018	51	51
Saturday, 7 April 2018	49	45
Sunday, 8 April 2018	46	51
Monday, 9 April 2018	51	48
Tuesday, 10 April 2018	46	
<b>Overall</b>	<b>52</b>	<b>51</b>

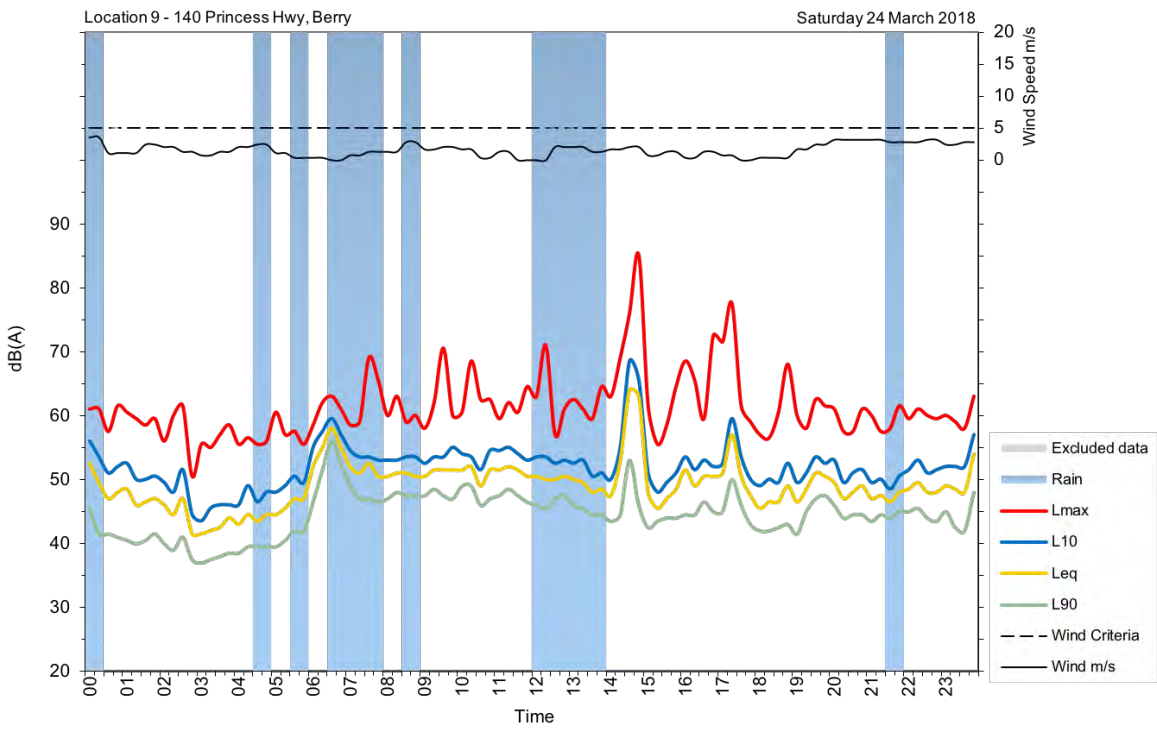
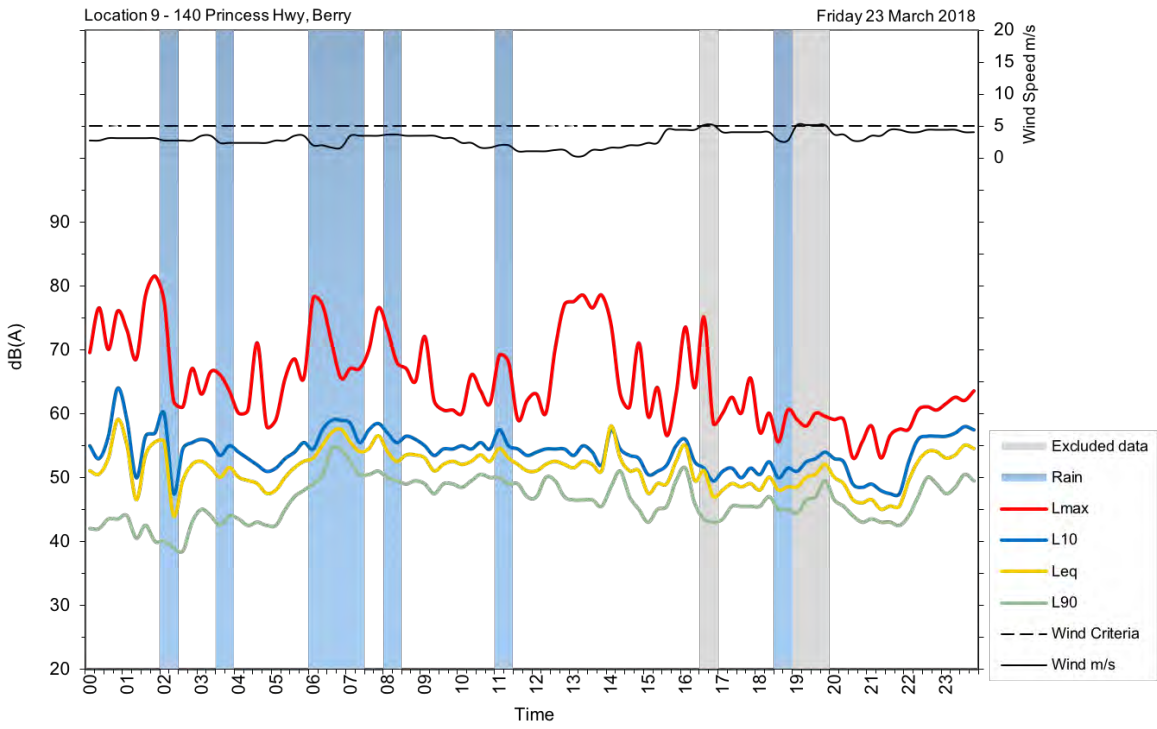


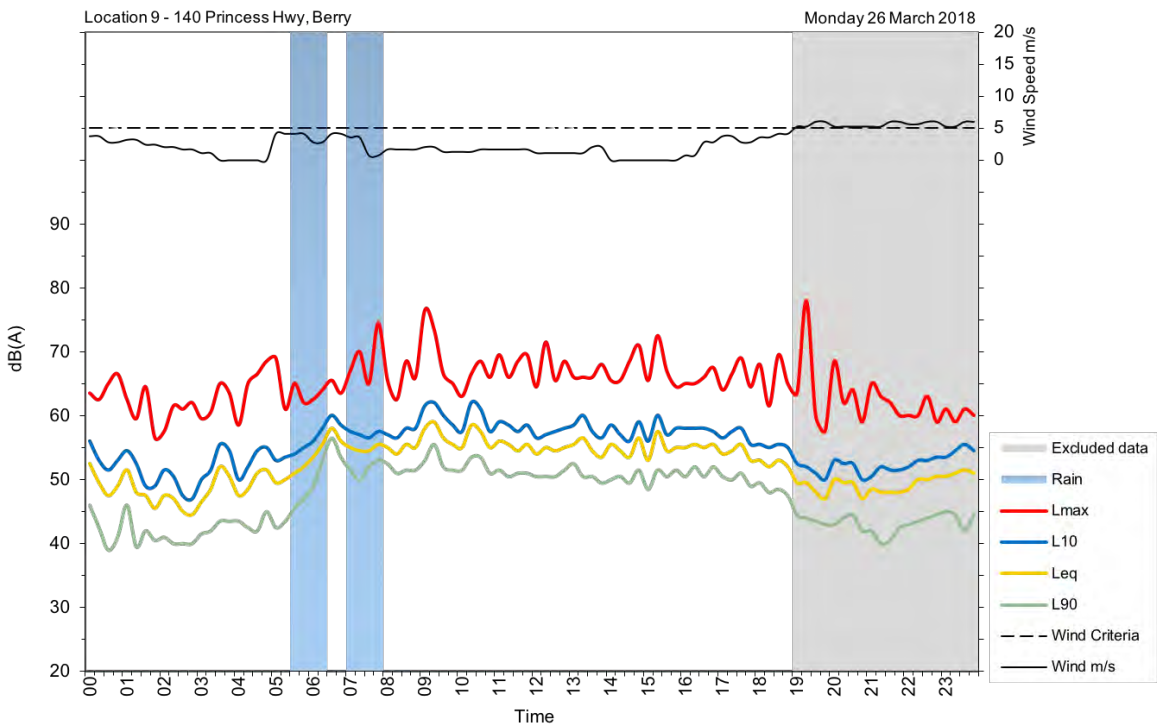
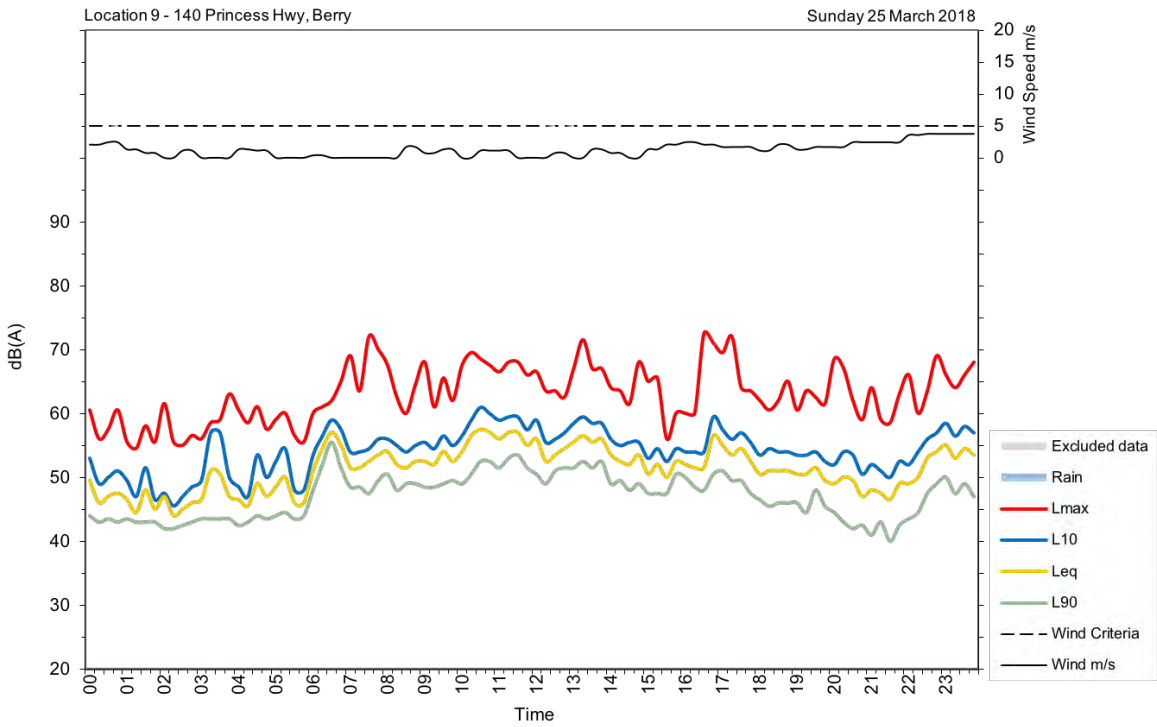


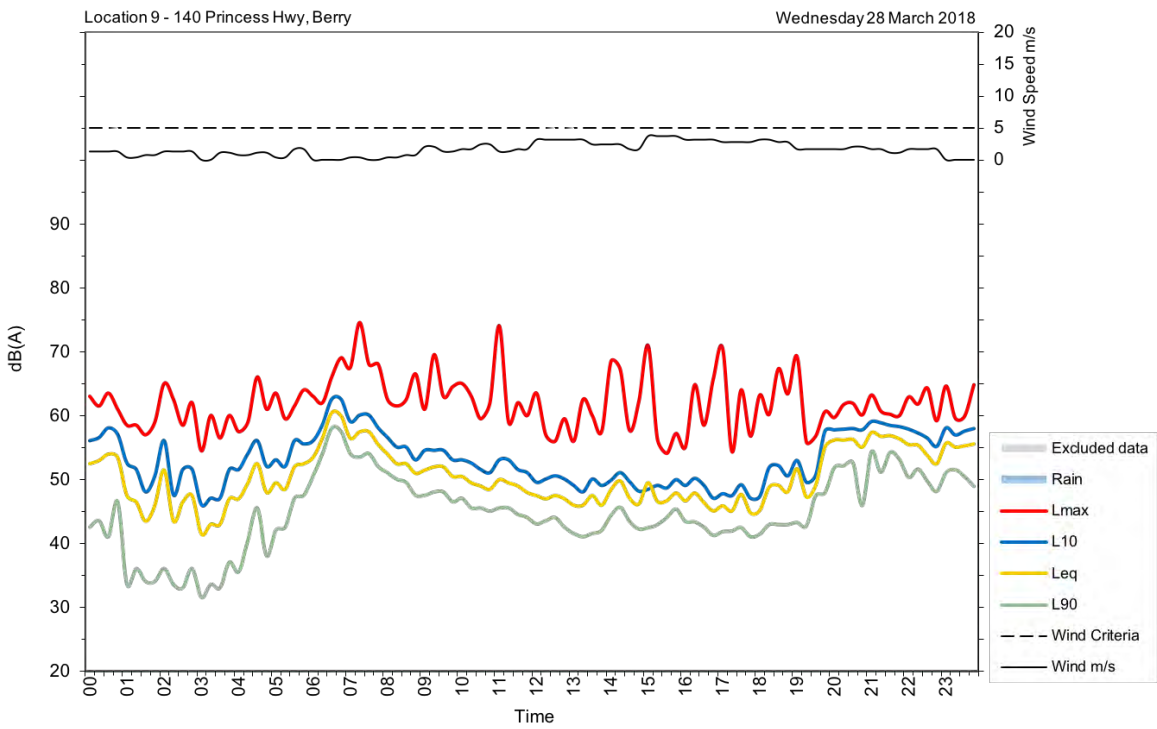
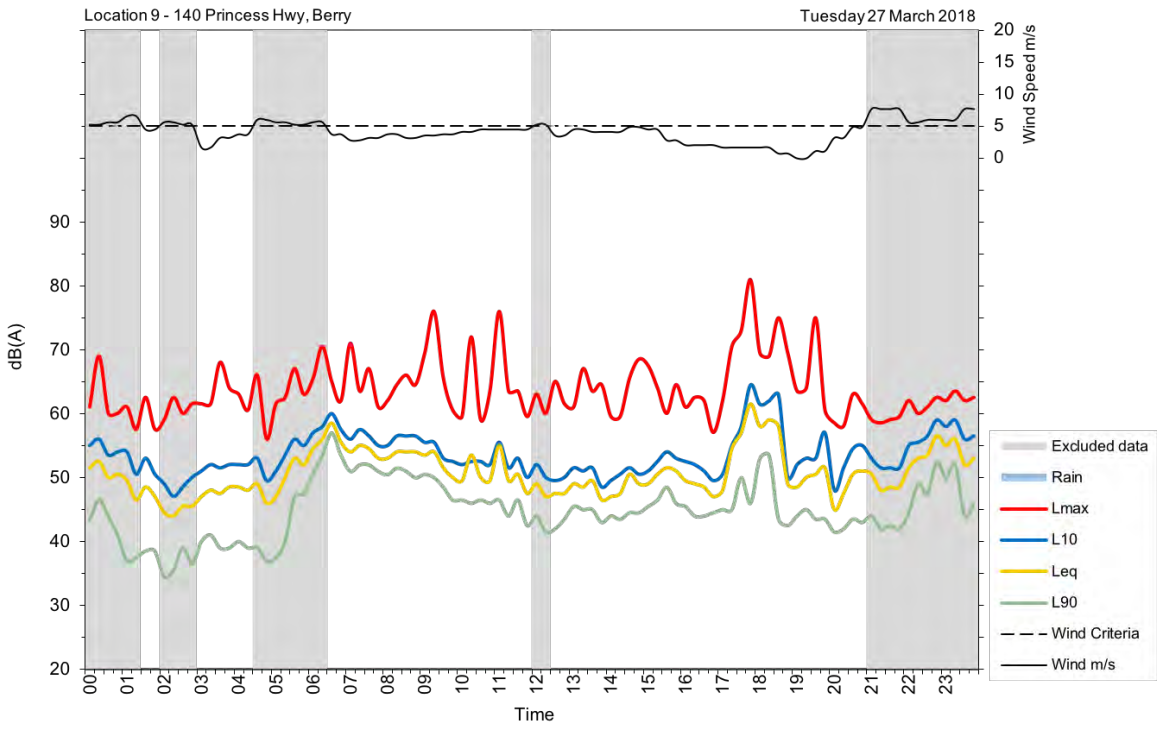




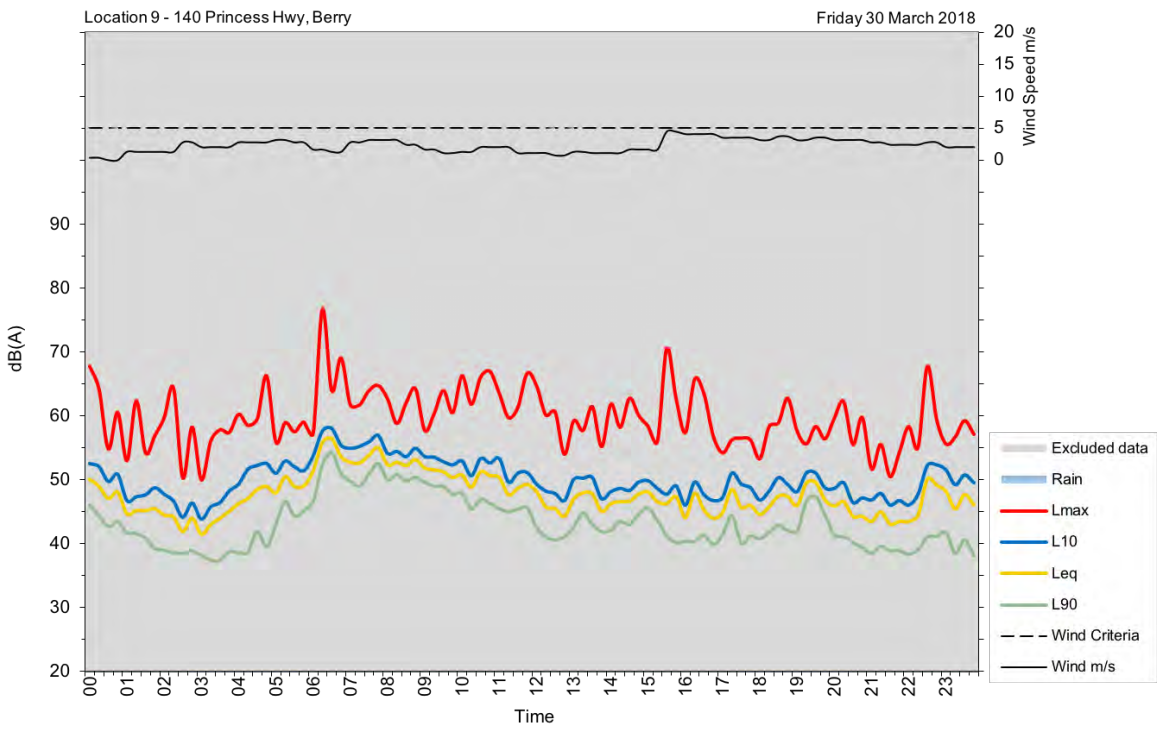
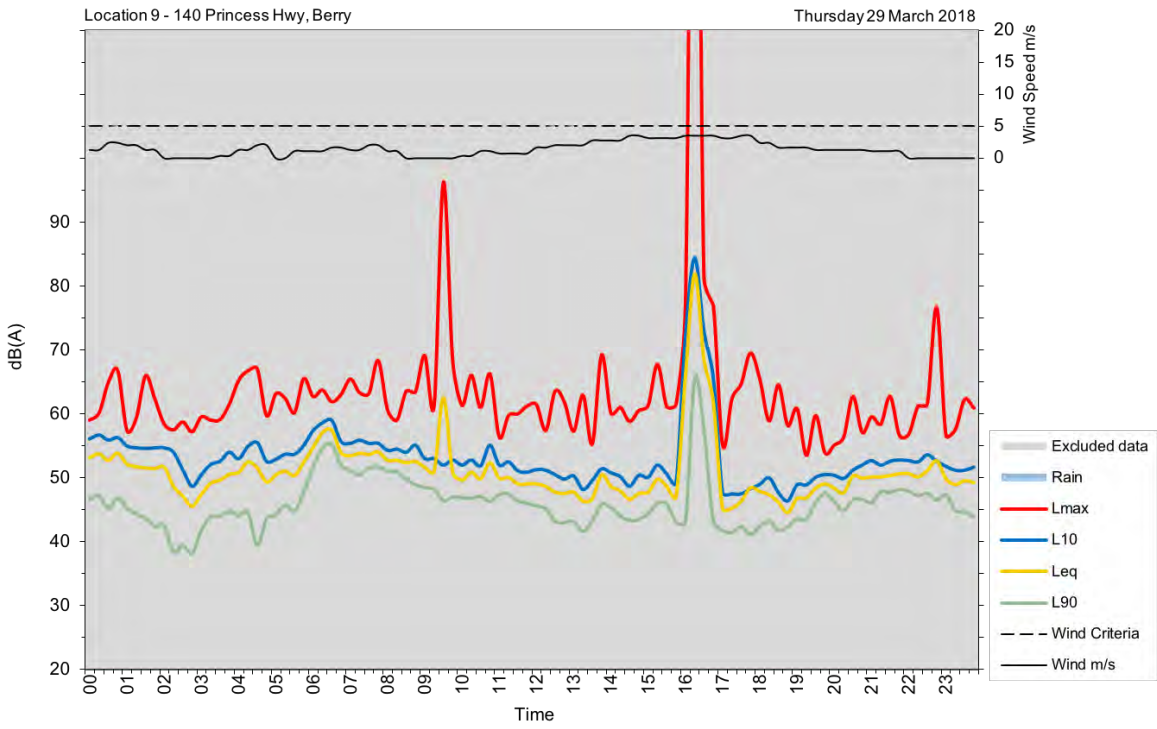


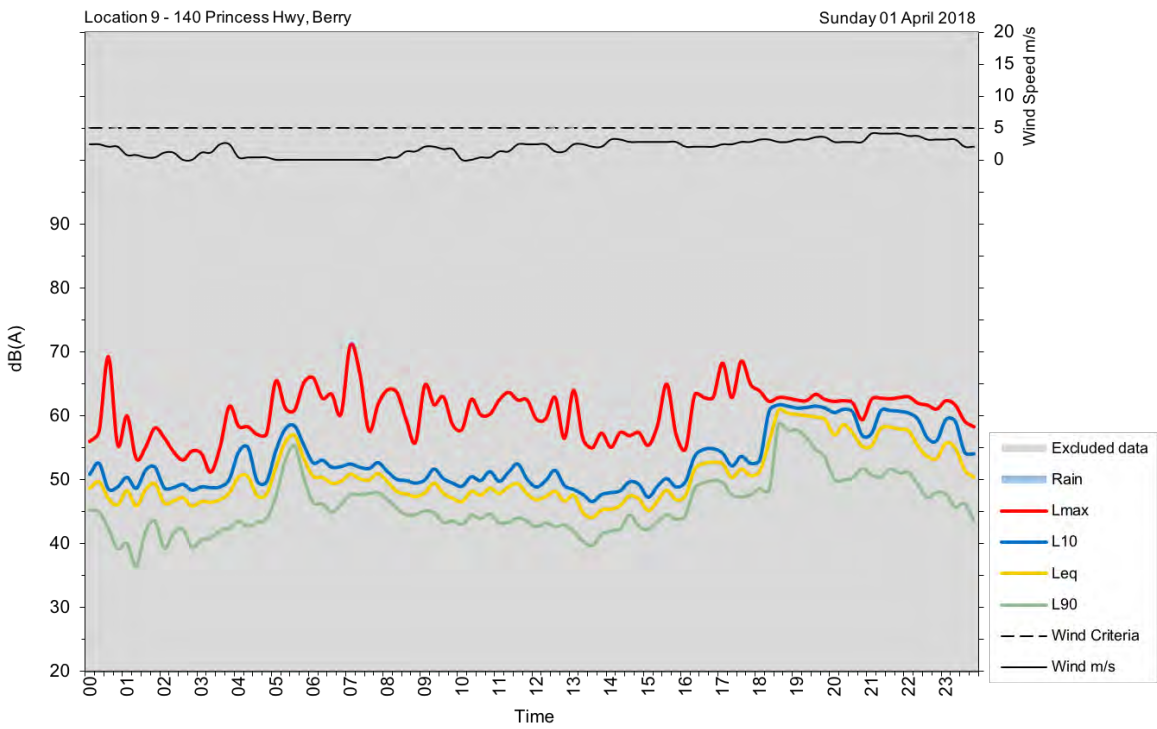
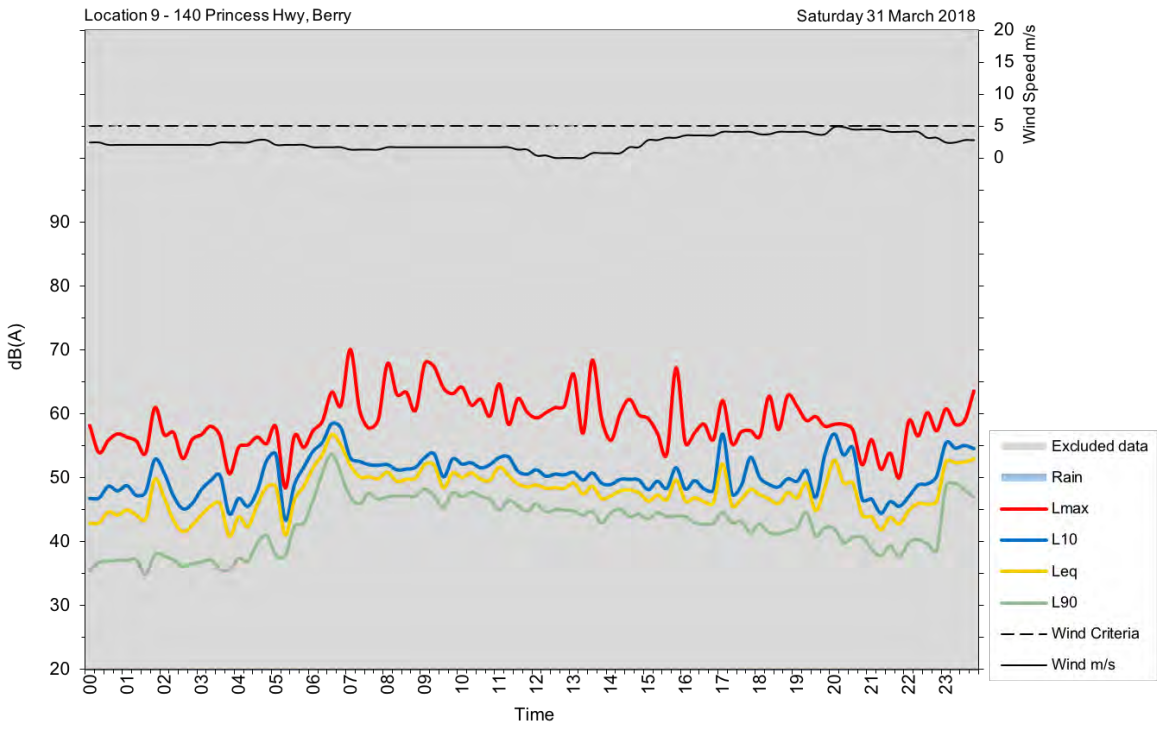


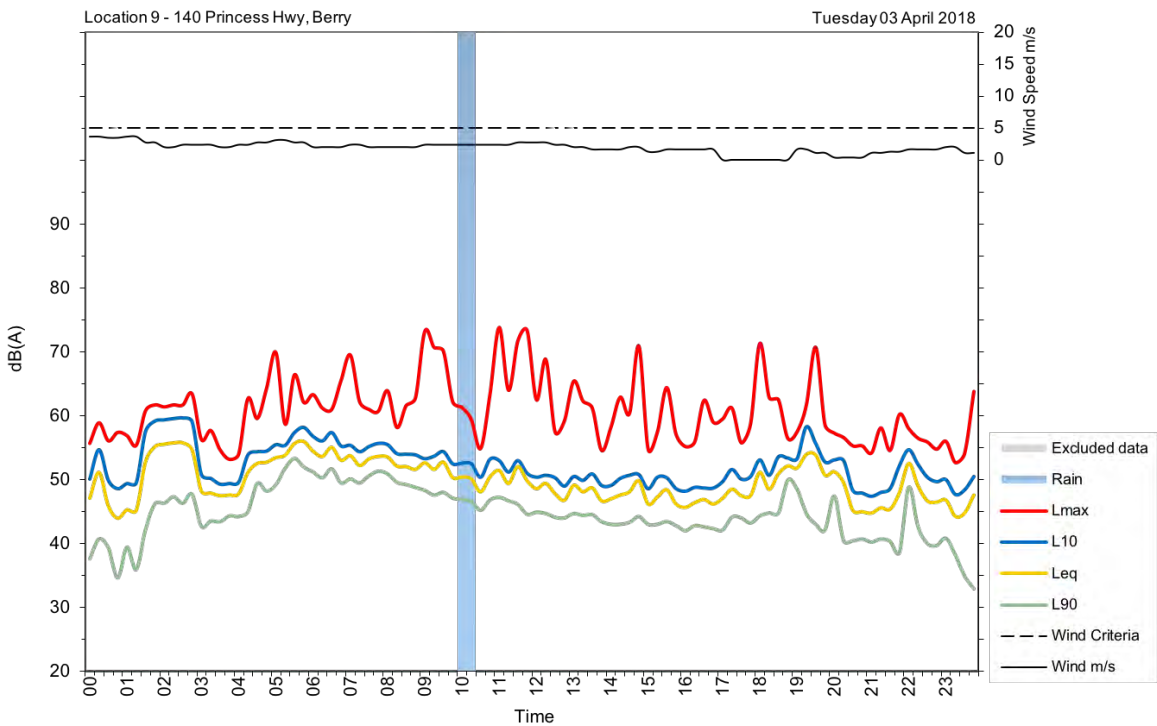
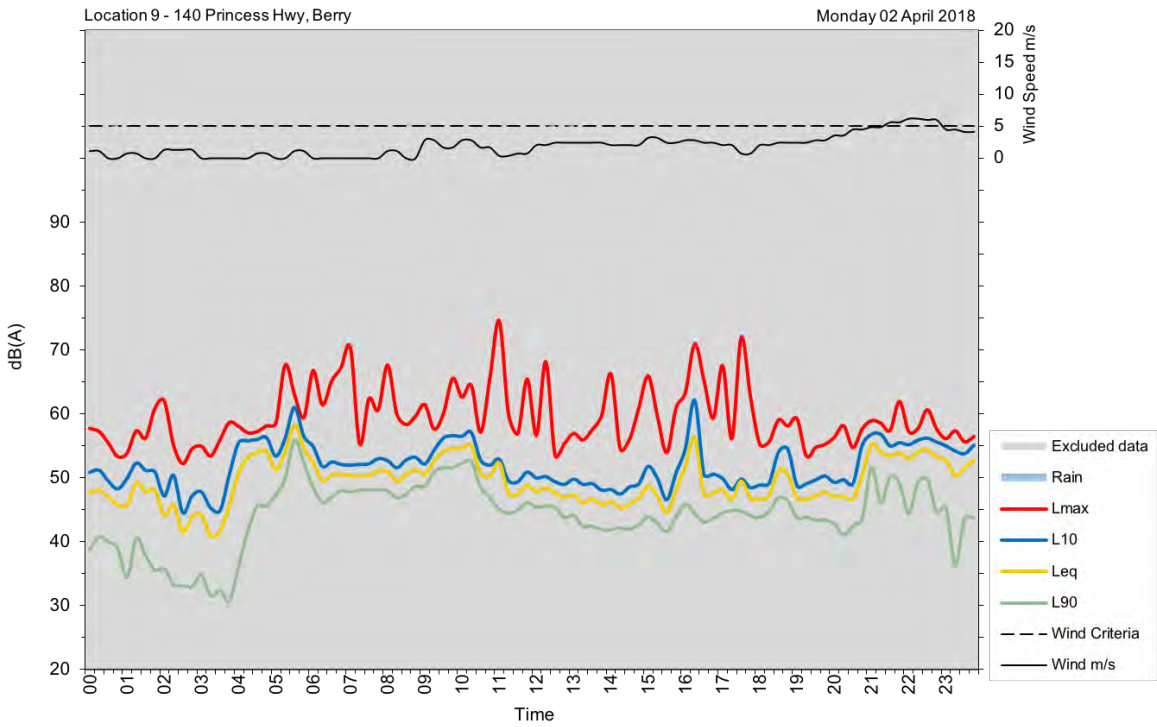


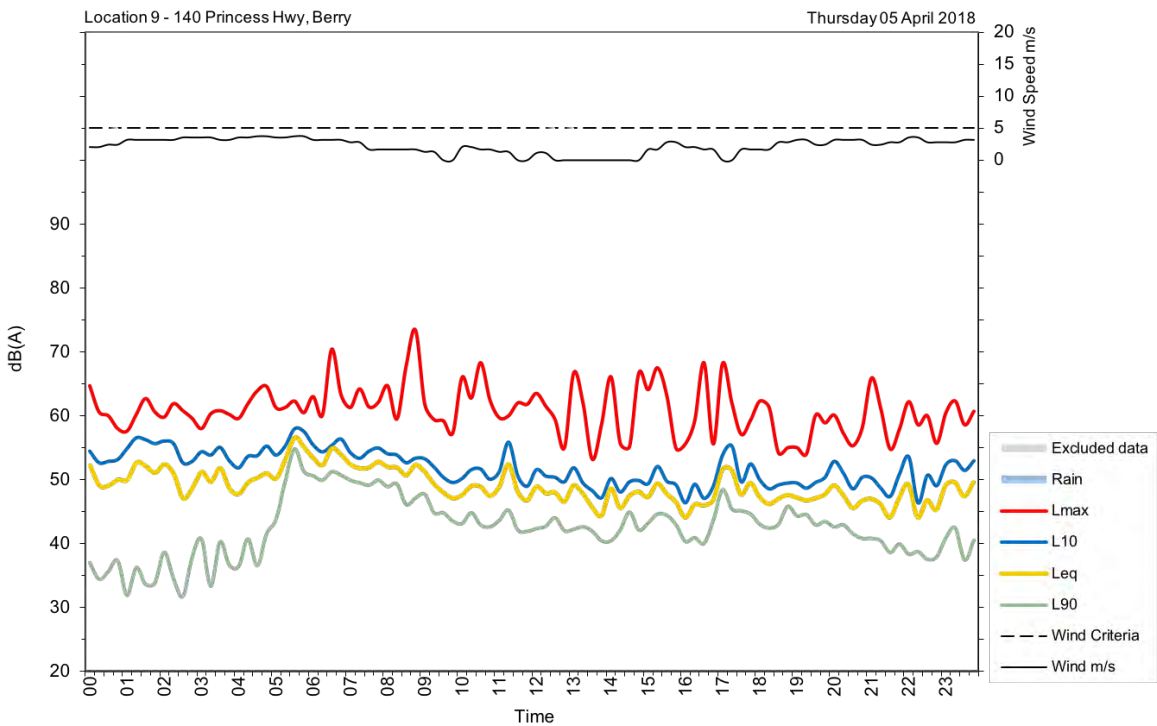
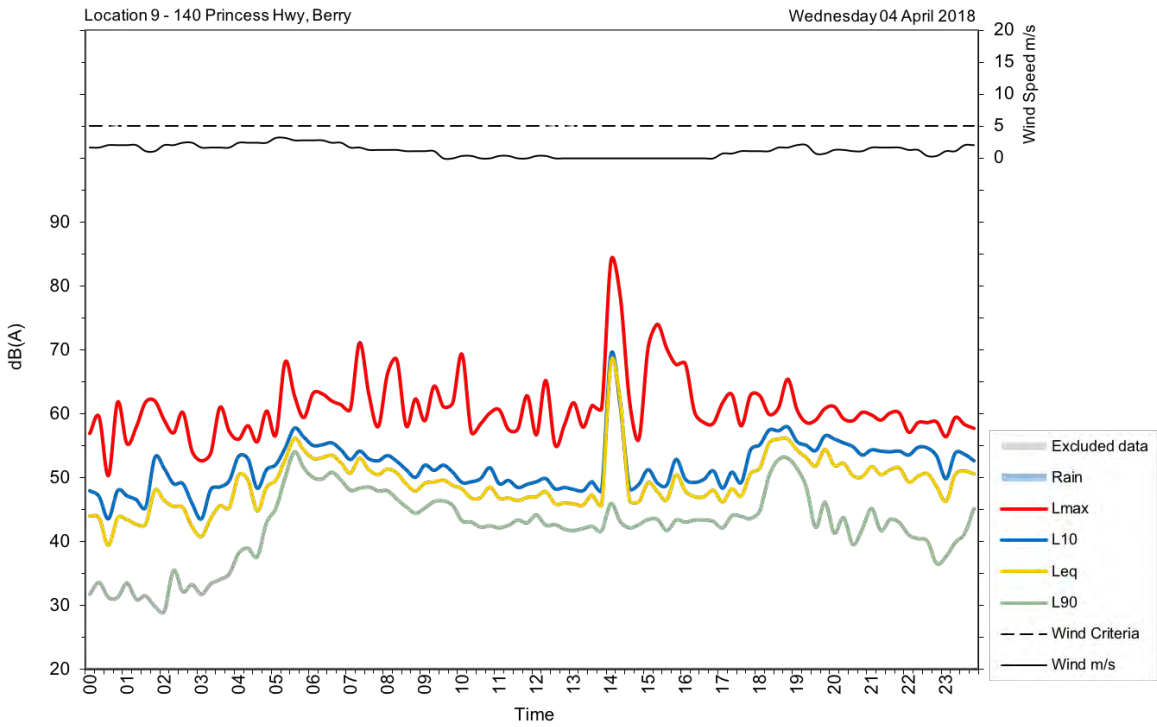




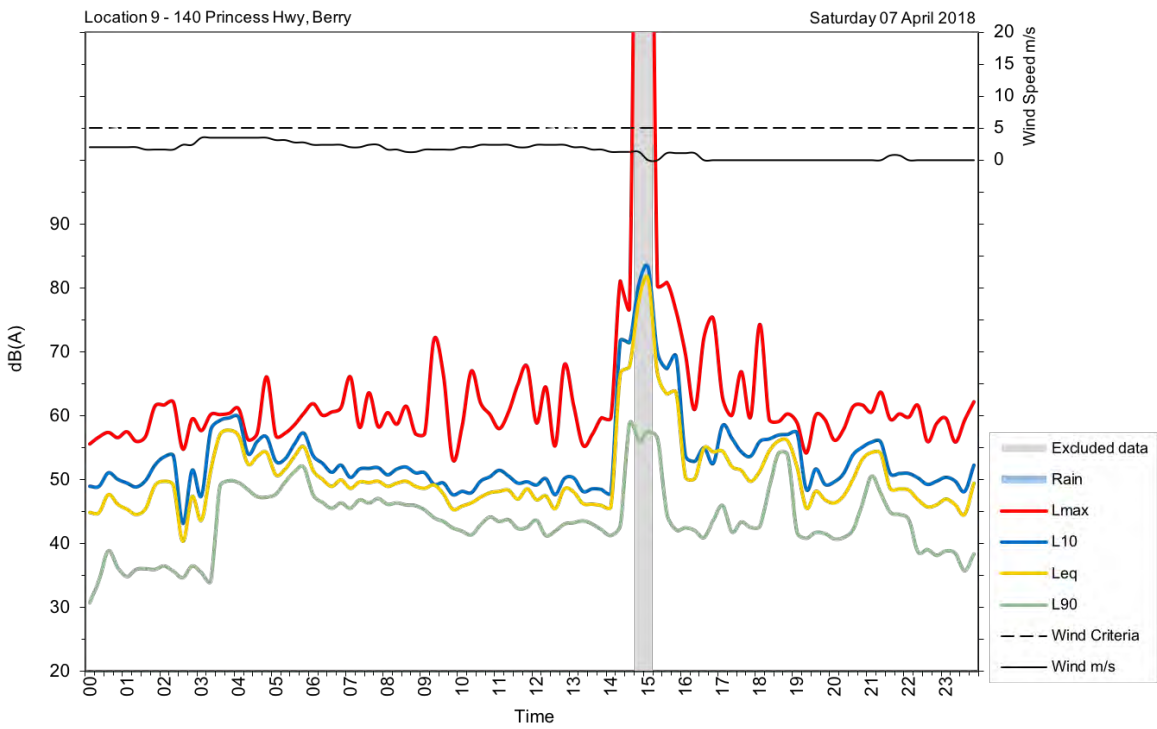
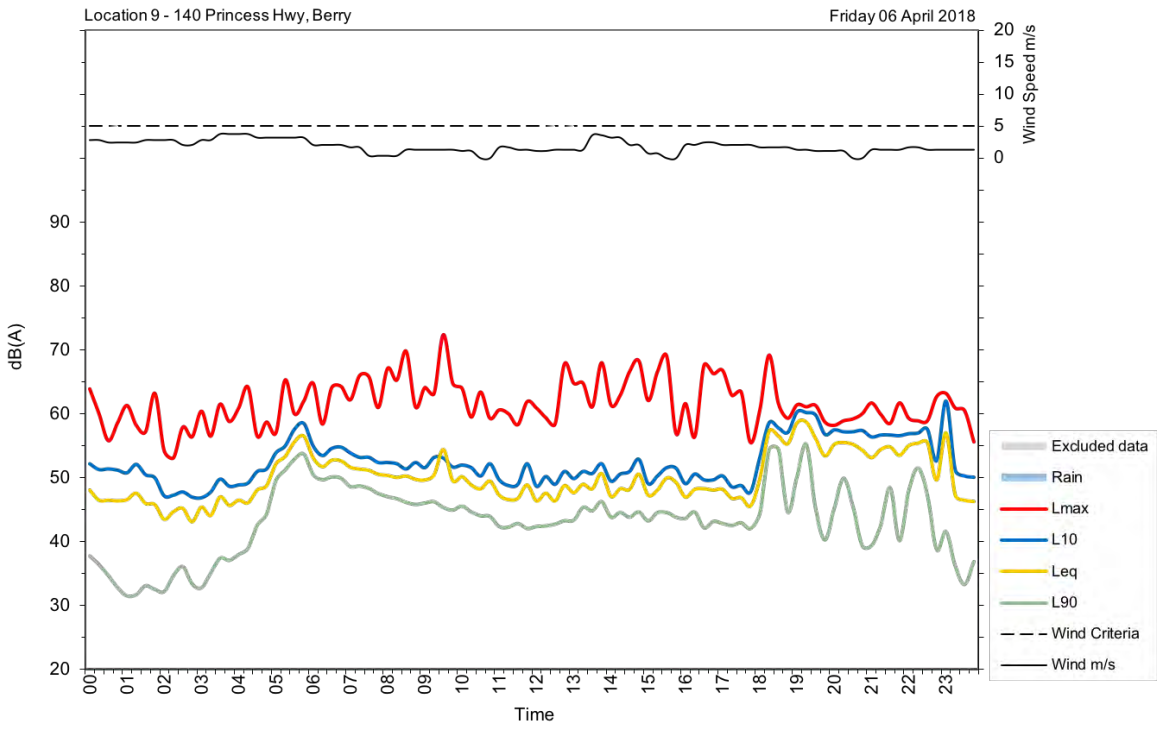


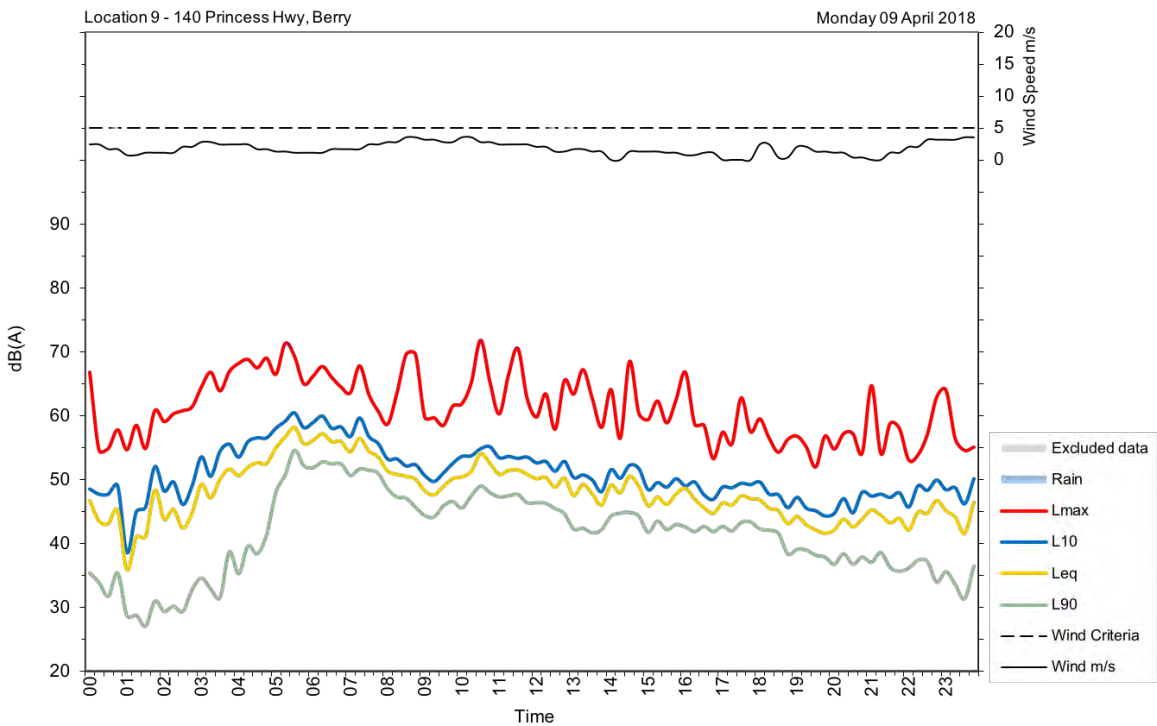
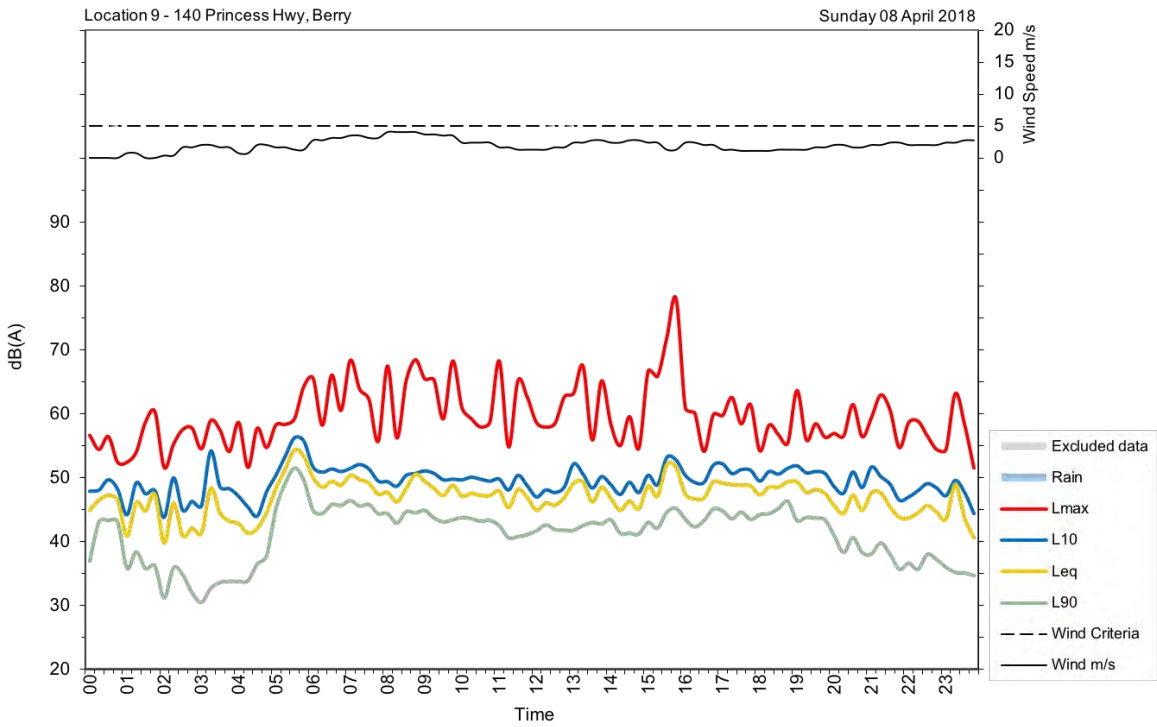


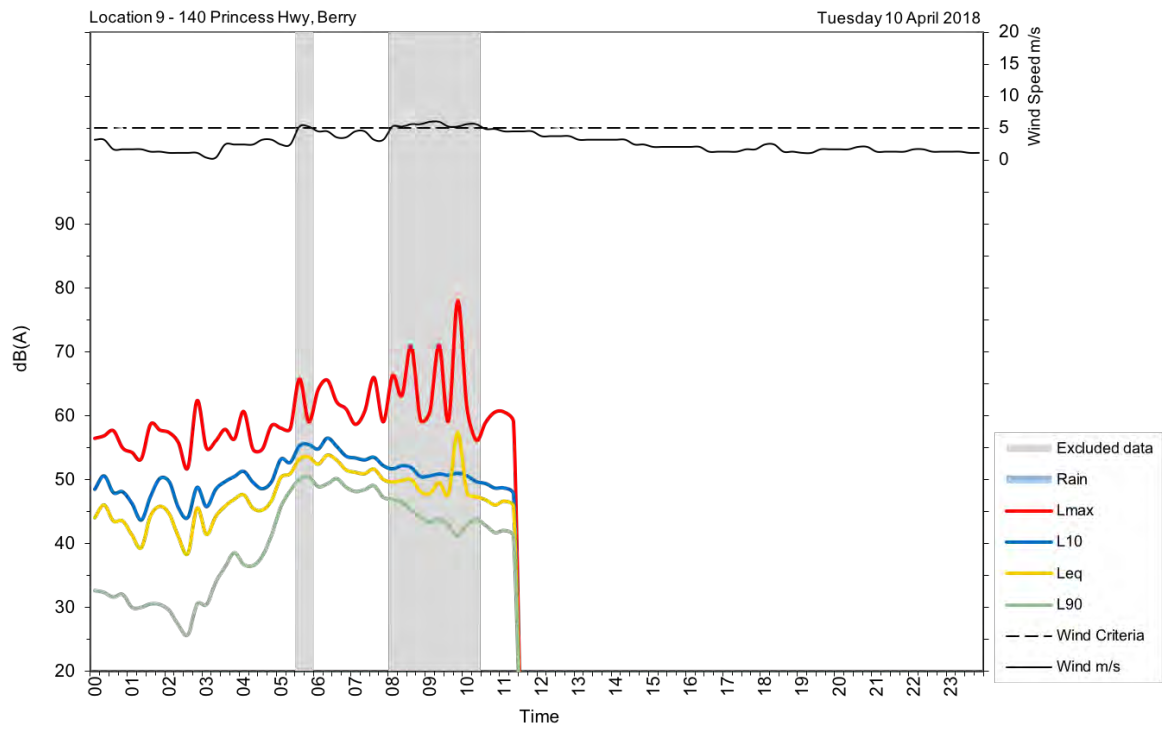












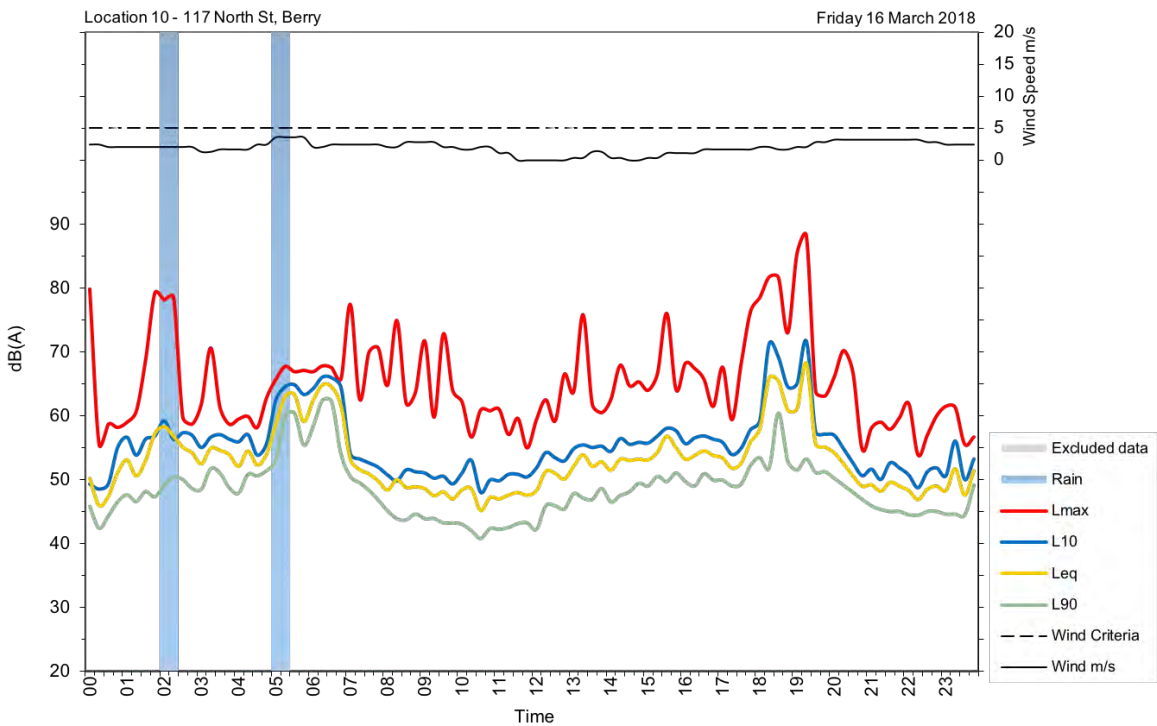
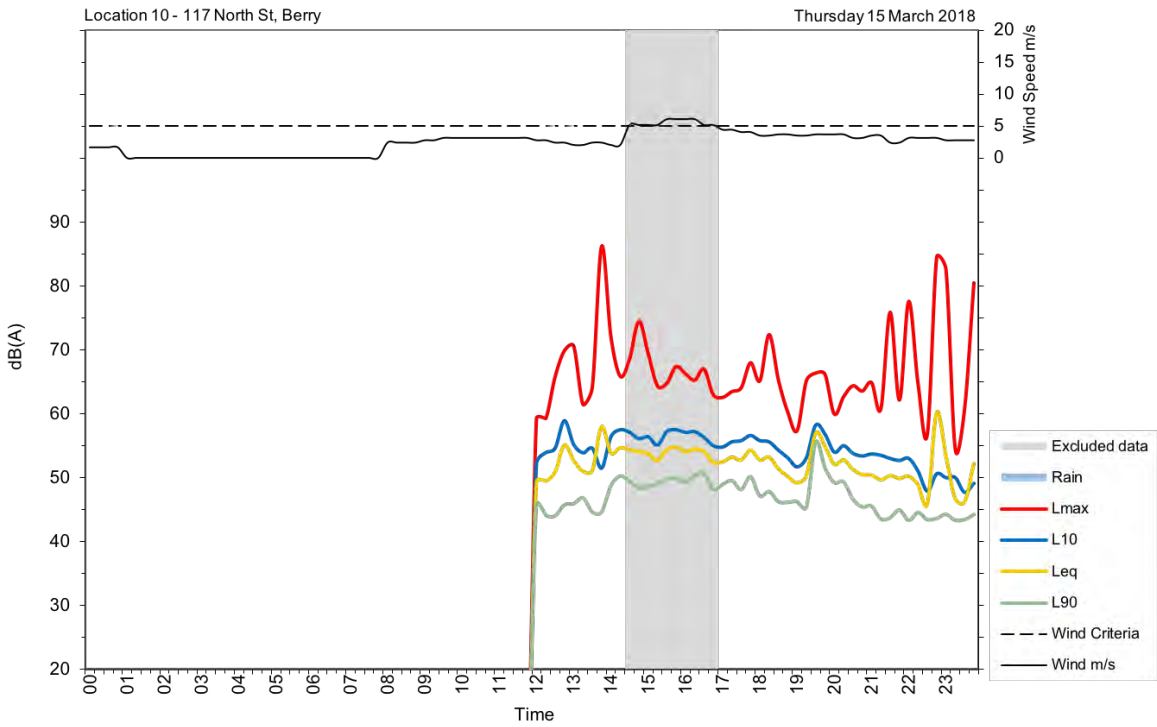
**U10**

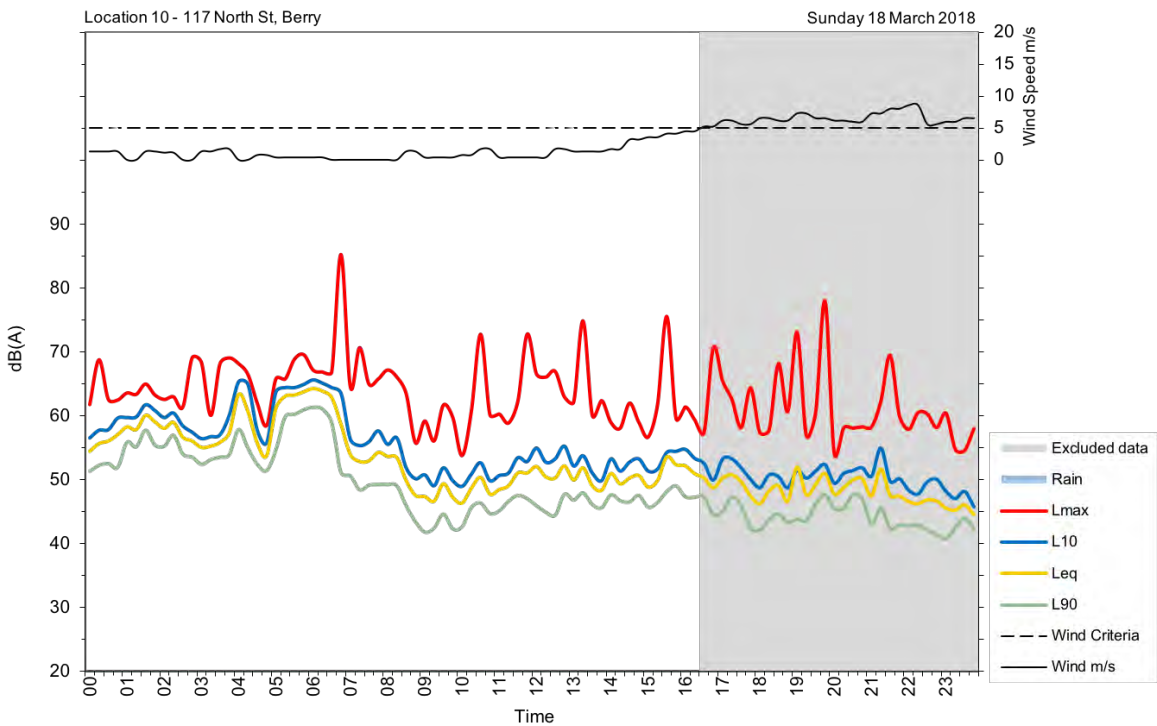
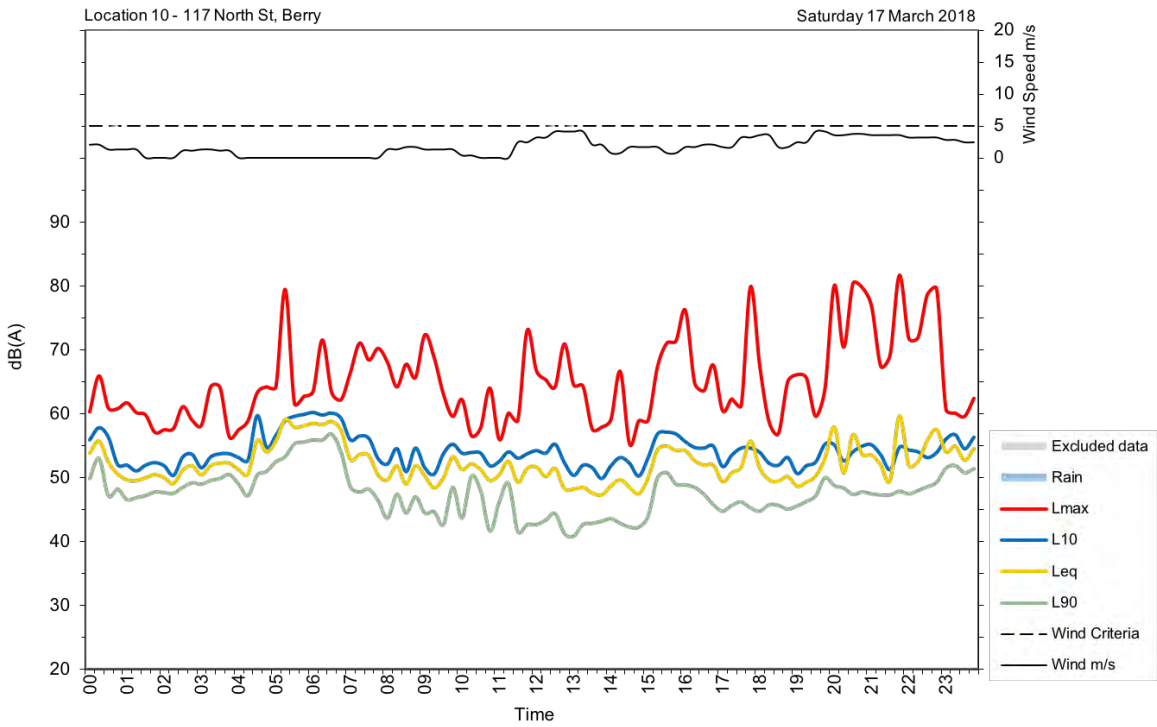
<b>Address/location</b>	117 North Street, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Thursday, 15 March 2018 to Wednesday, 28 March 2018

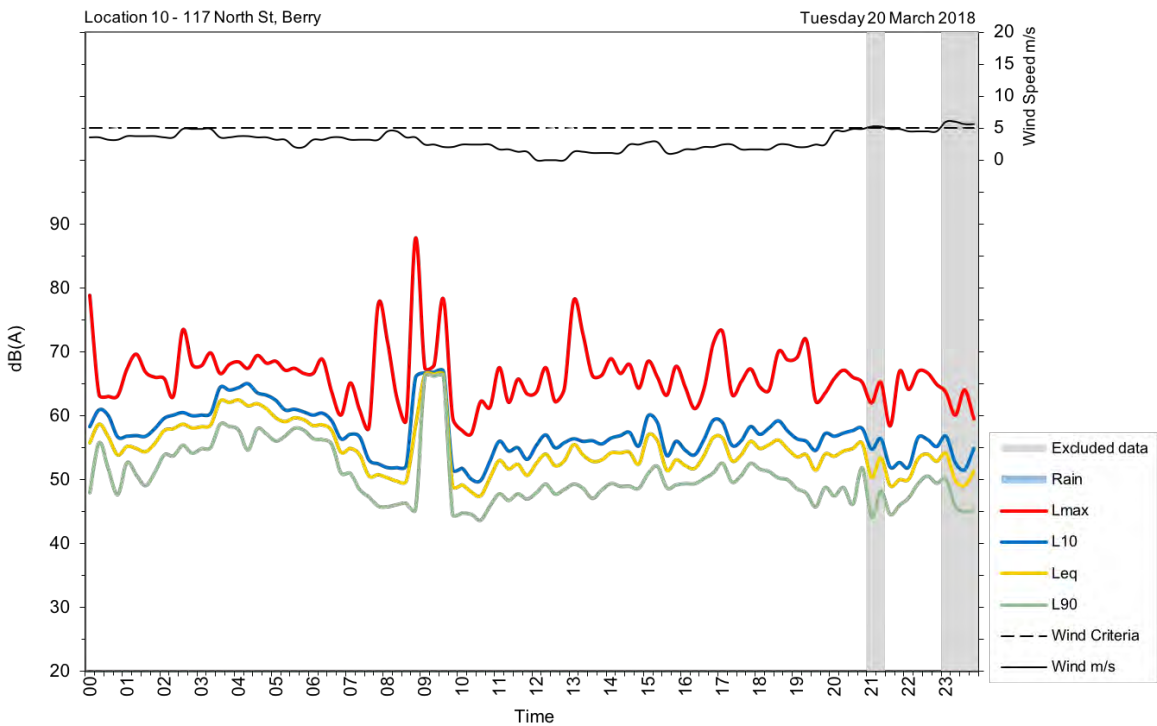
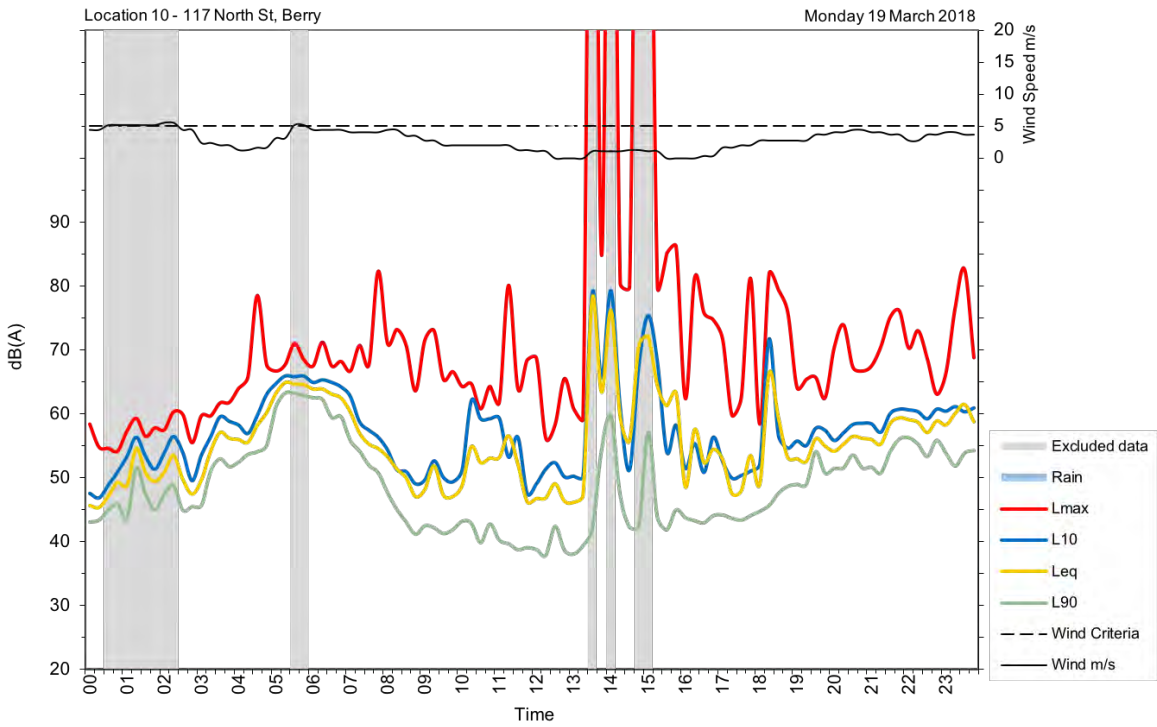




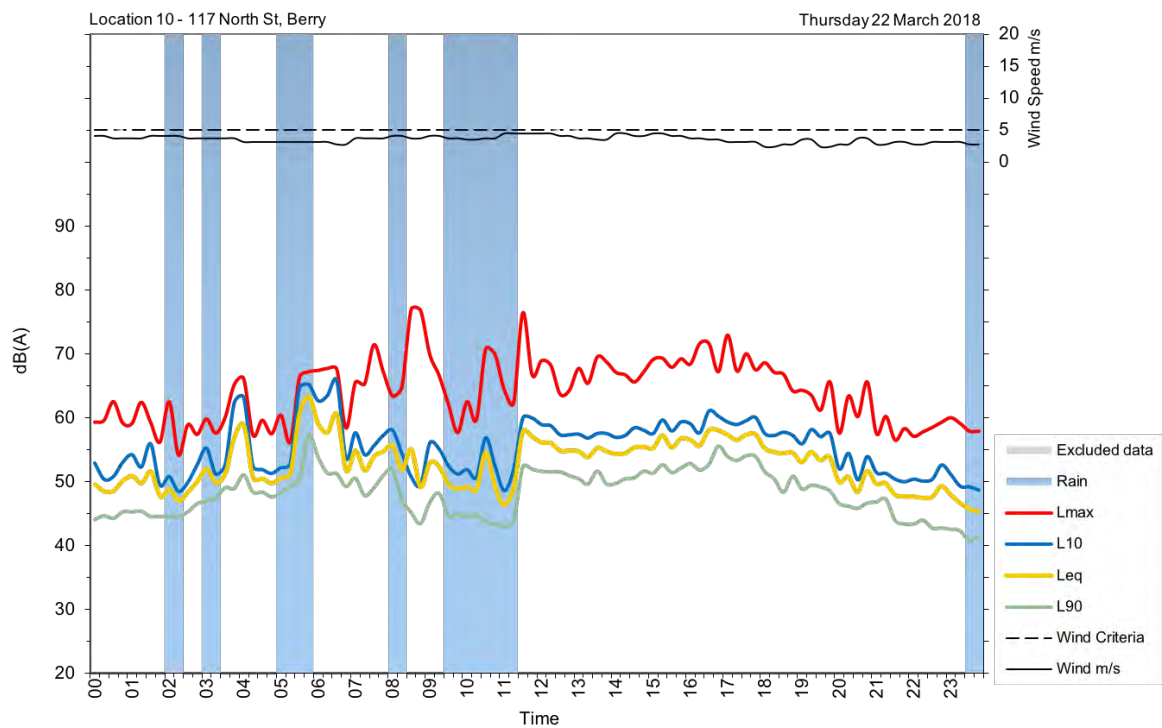
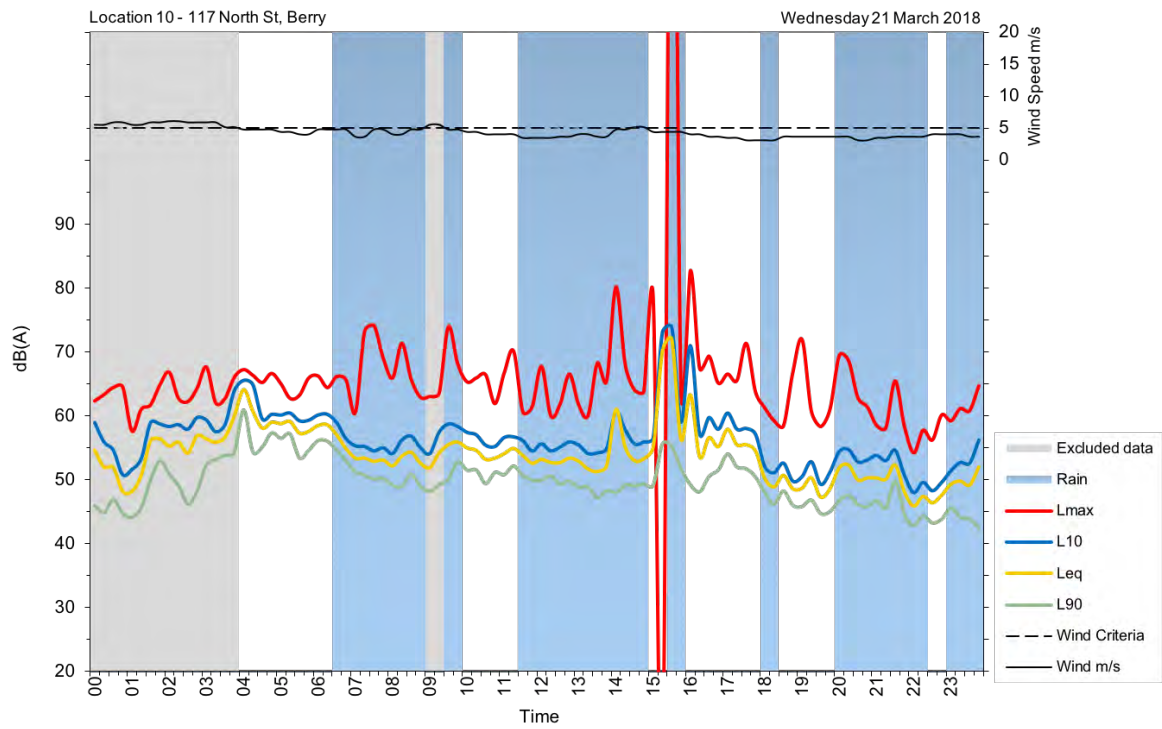
<b>Date</b>	<b>Day, L<sub>Aeq</sub>(15-hour)</b>	<b>Night, L<sub>Aeq</sub>(9-hour)</b>
Thursday, 15 March 2018	52	52
Friday, 16 March 2018	58	51
Saturday, 17 March 2018	51	57
Sunday, 18 March 2018	51	50
Monday, 19 March 2018	51	56
Tuesday, 20 March 2018	54	53
Wednesday, 21 March 2018	54	50
Thursday, 22 March 2018	55	49
Friday, 23 March 2018	51	52
Saturday, 24 March 2018	50	52
Sunday, 25 March 2018	58	55
Monday, 26 March 2018	53	
Tuesday, 27 March 2018	49	53
Wednesday, 28 March 2018	52	
<b>Overall</b>	<b>54</b>	<b>53</b>

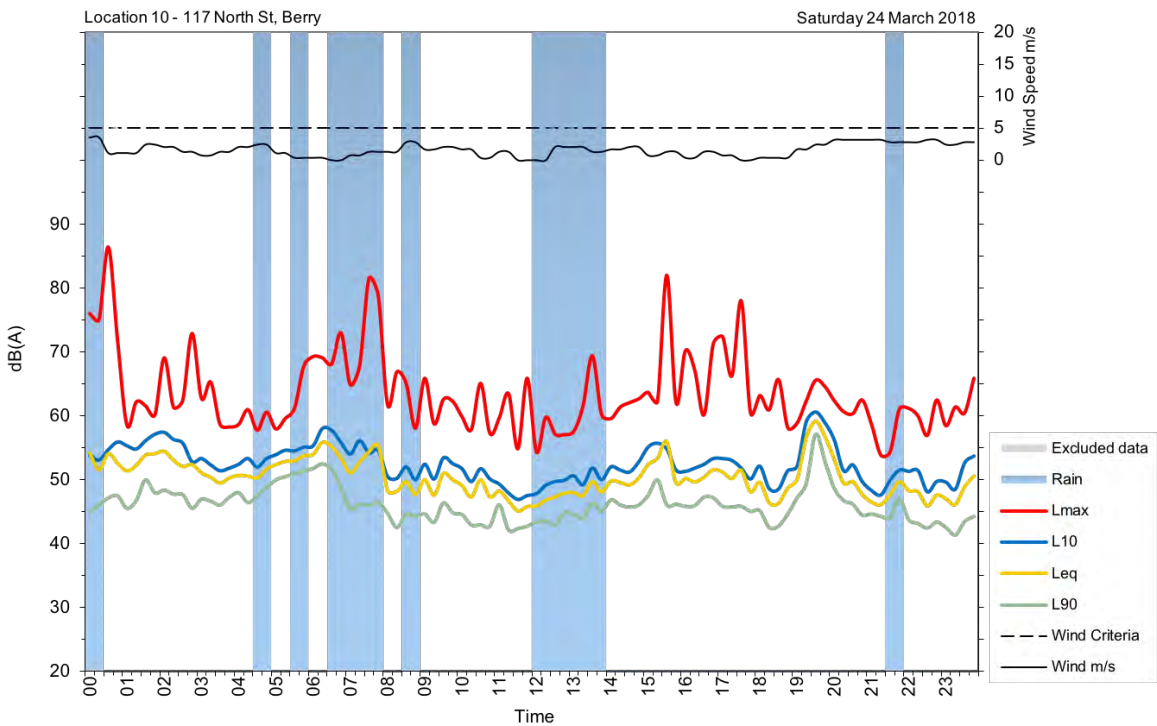
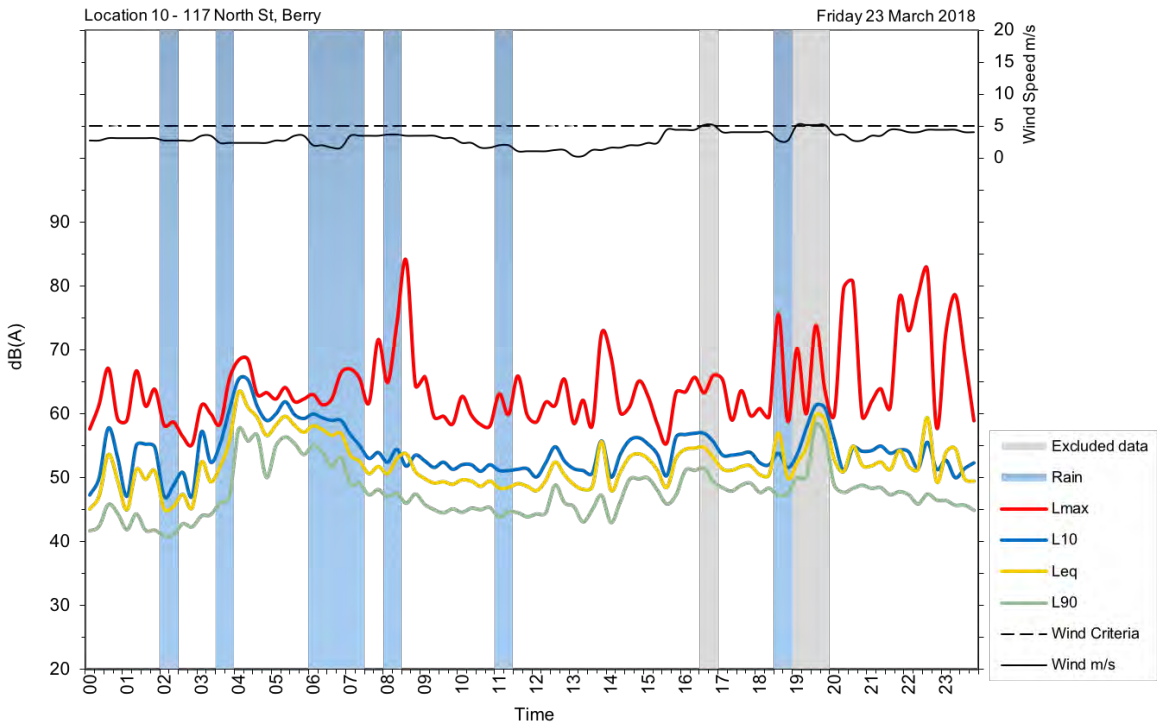


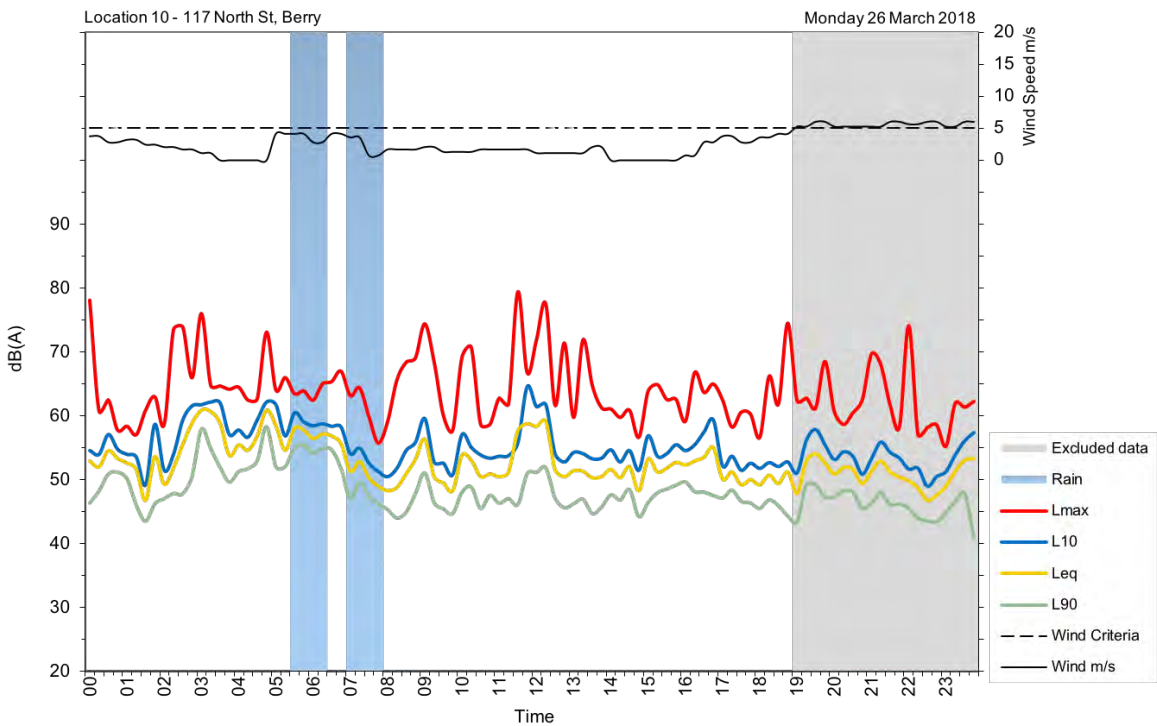
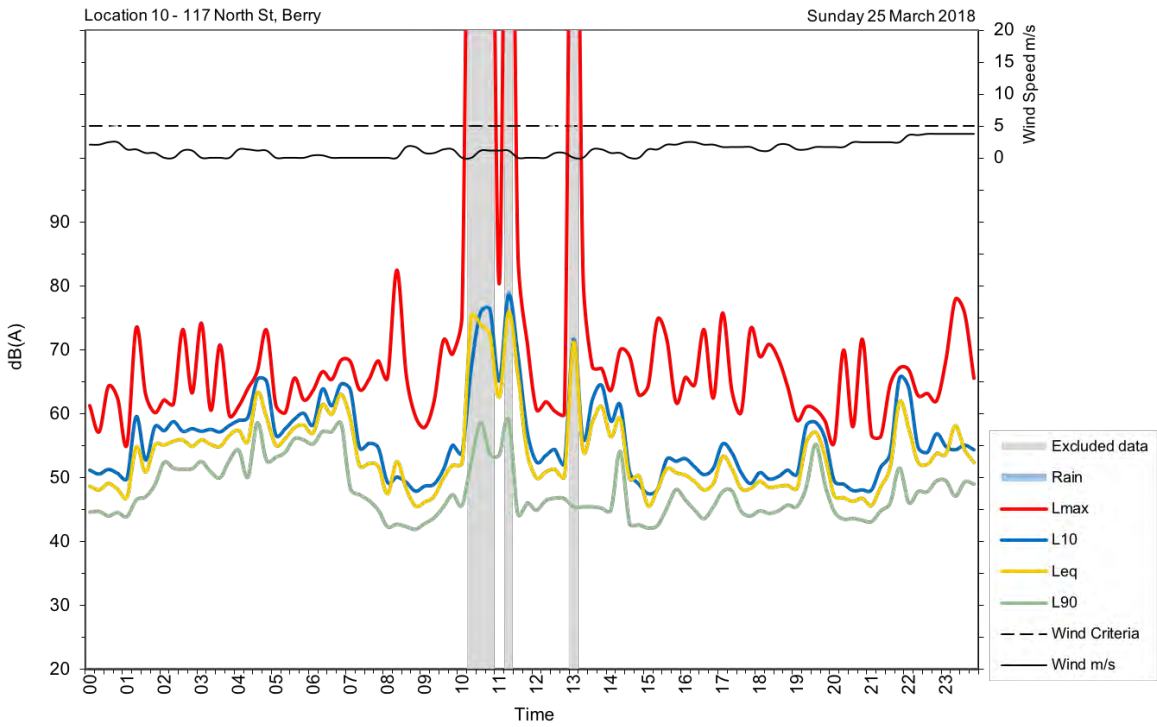


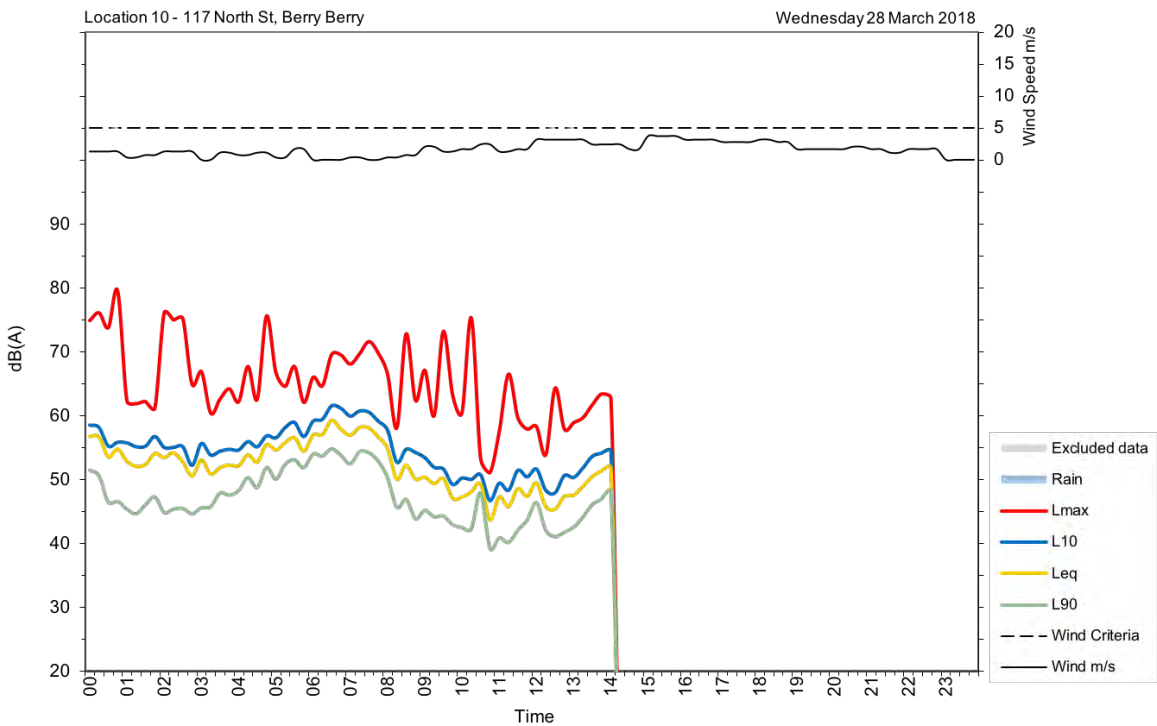
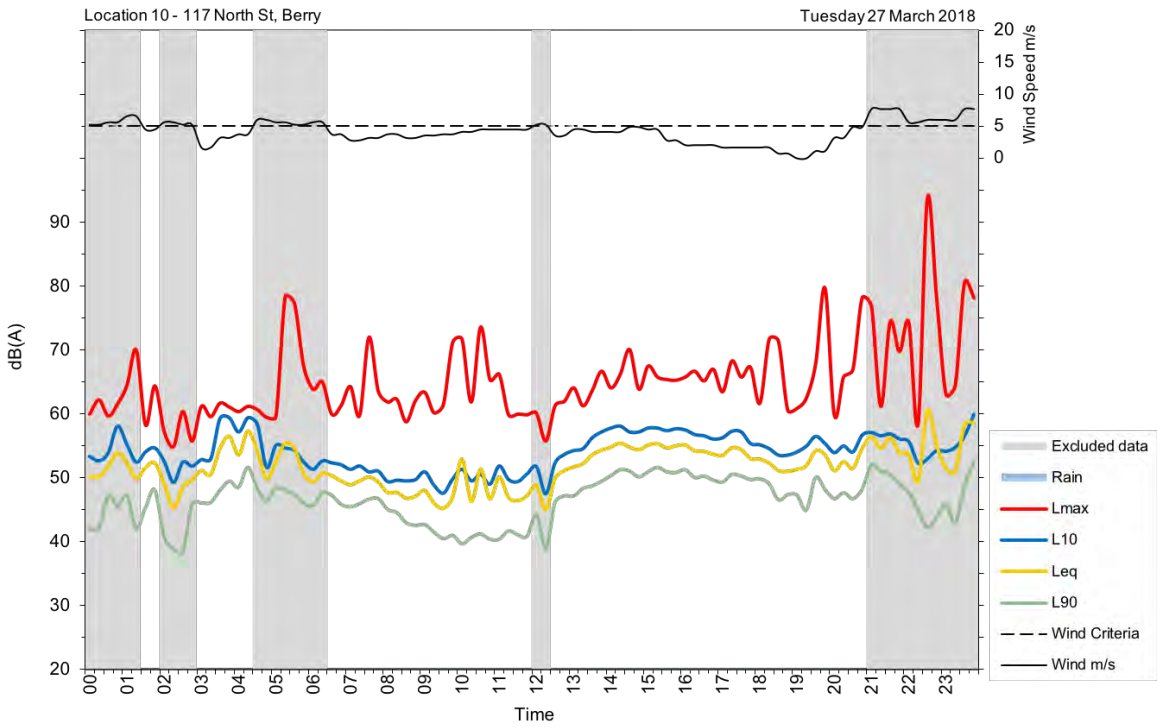












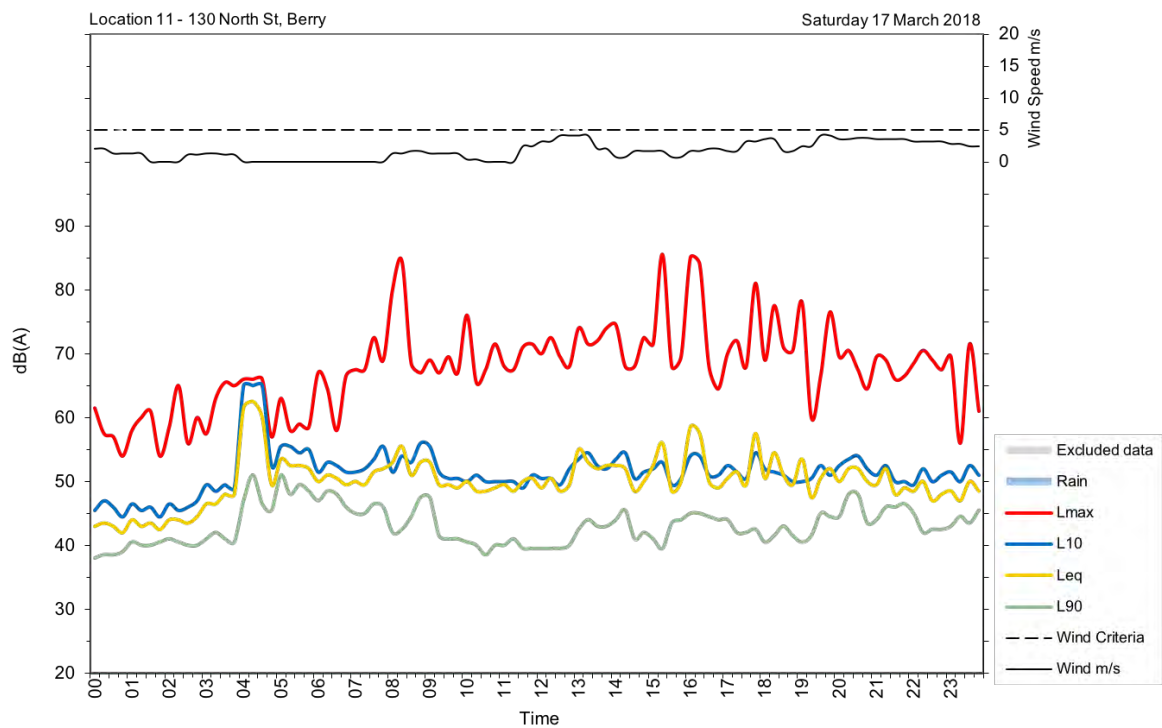
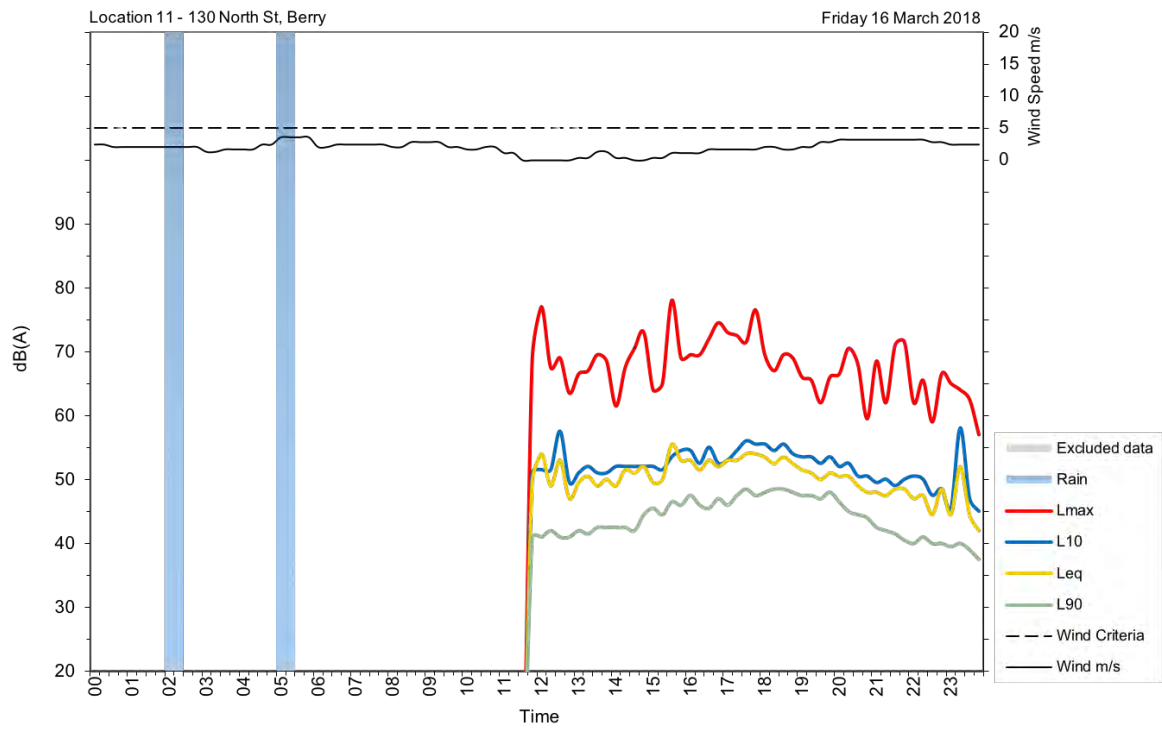


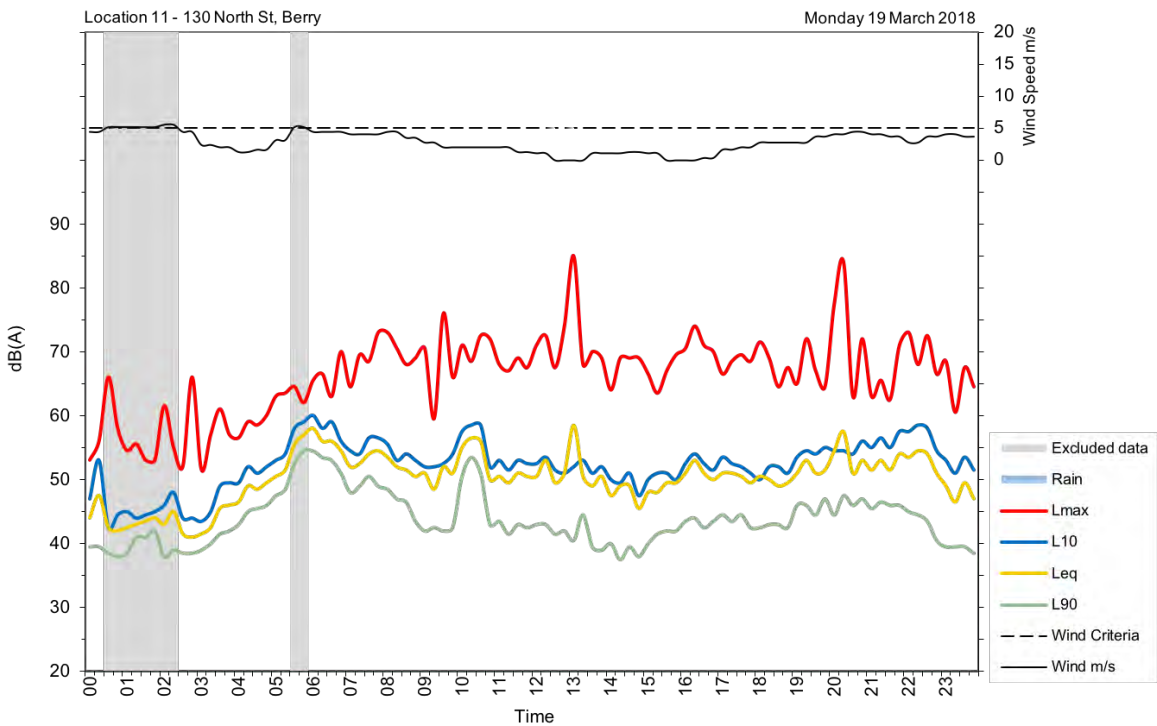
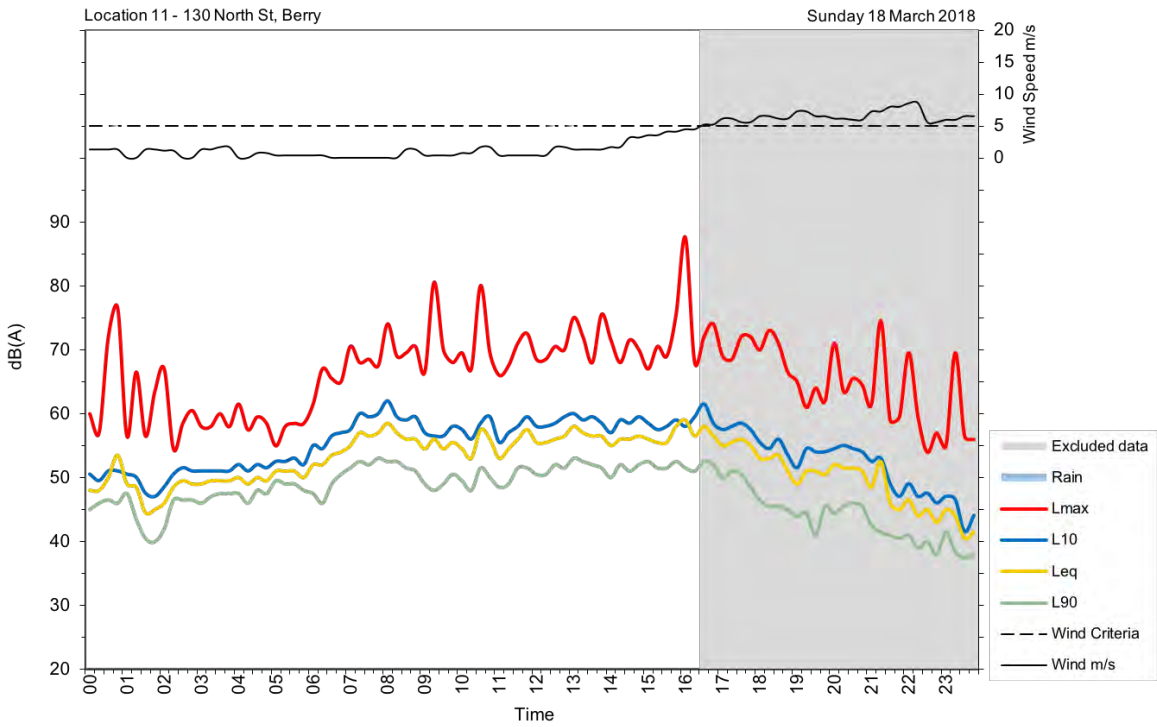
## U11

<b>Address/location</b>	130 North Street, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Friday, 16 March 2018 to Tuesday, 10 April 2018

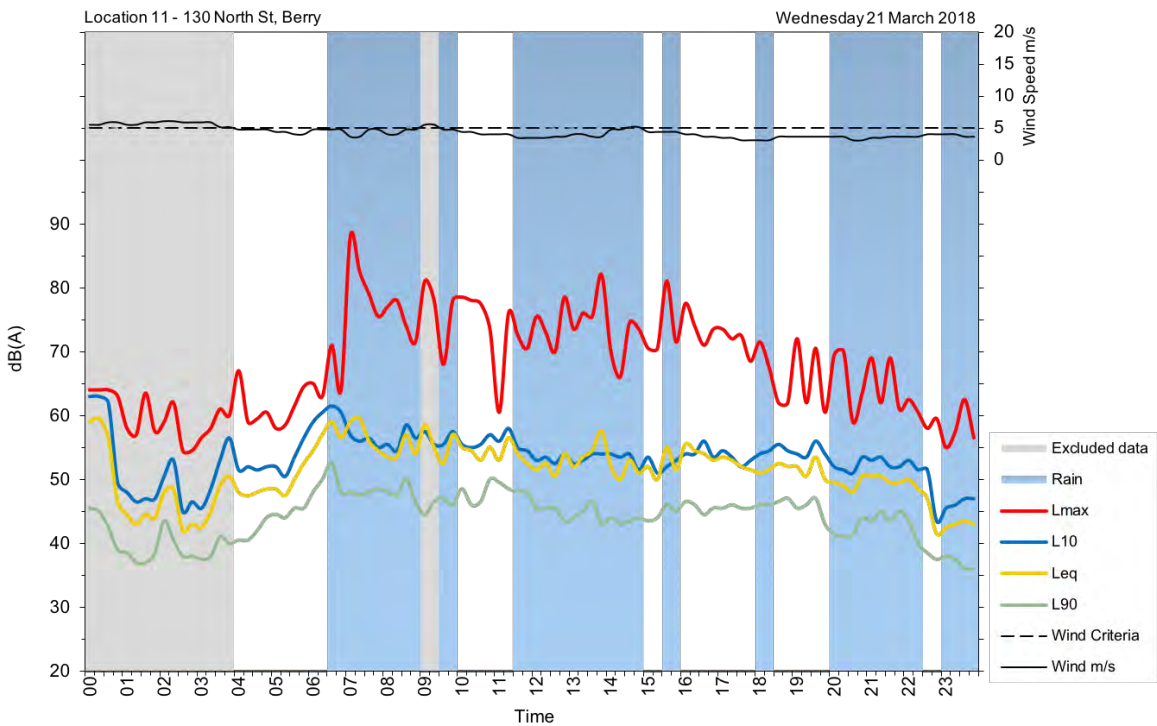
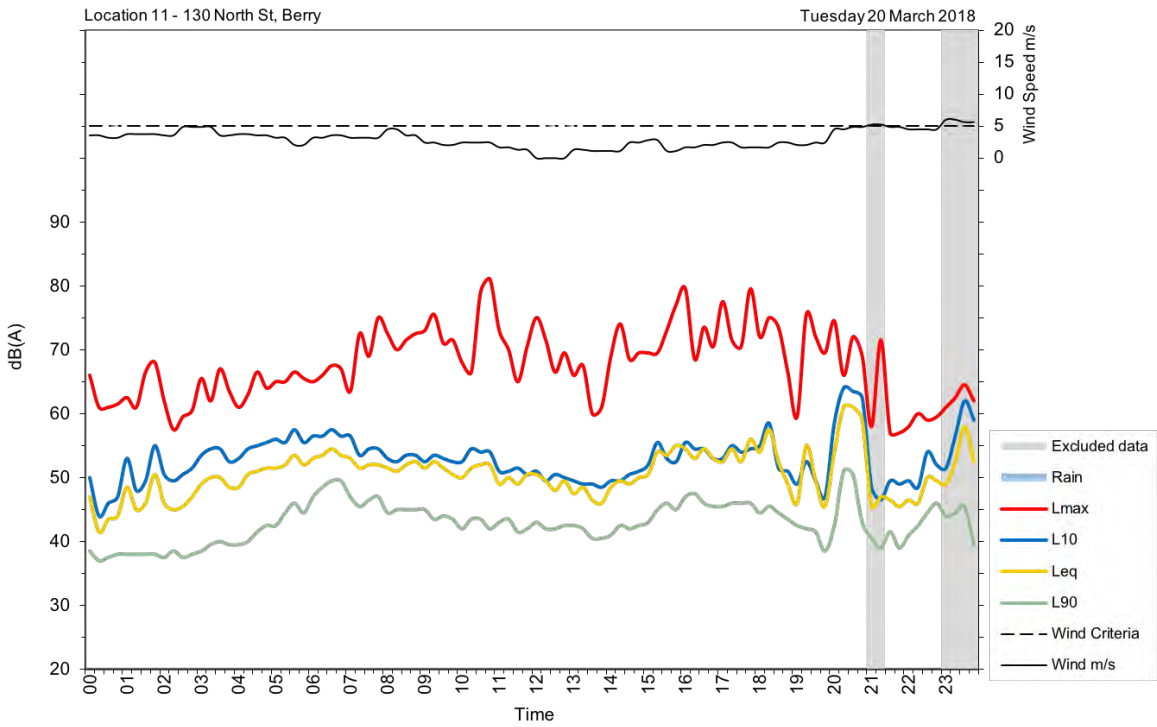


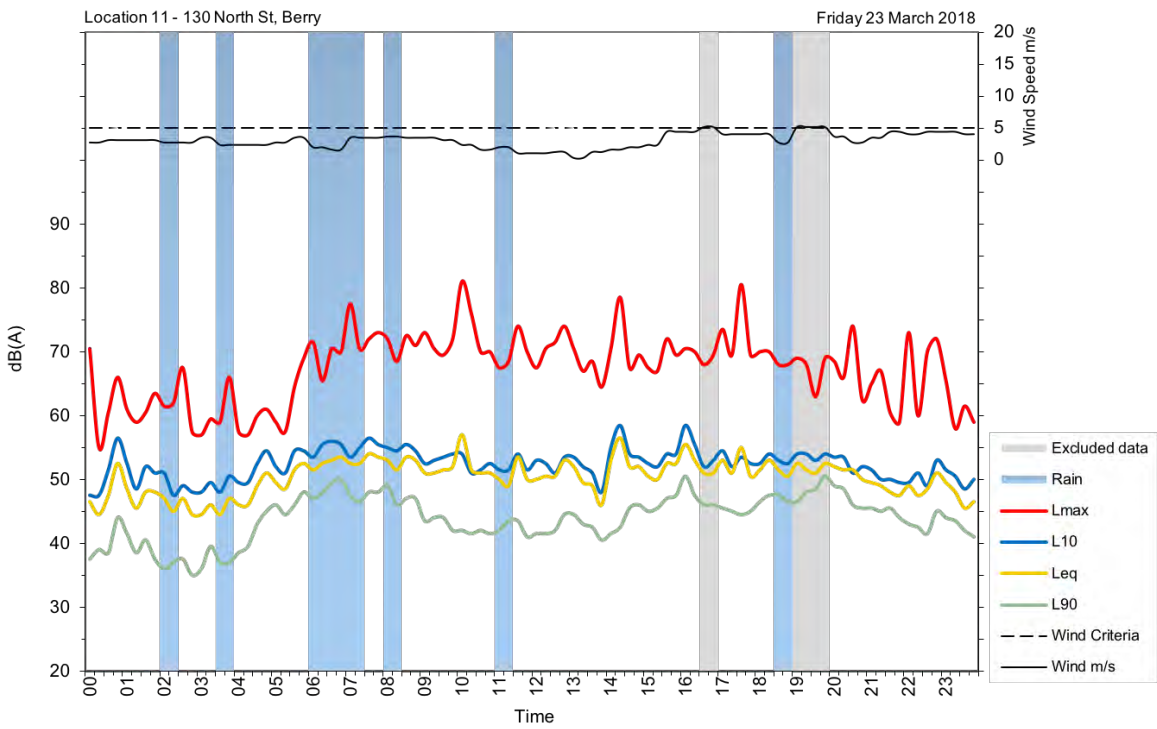
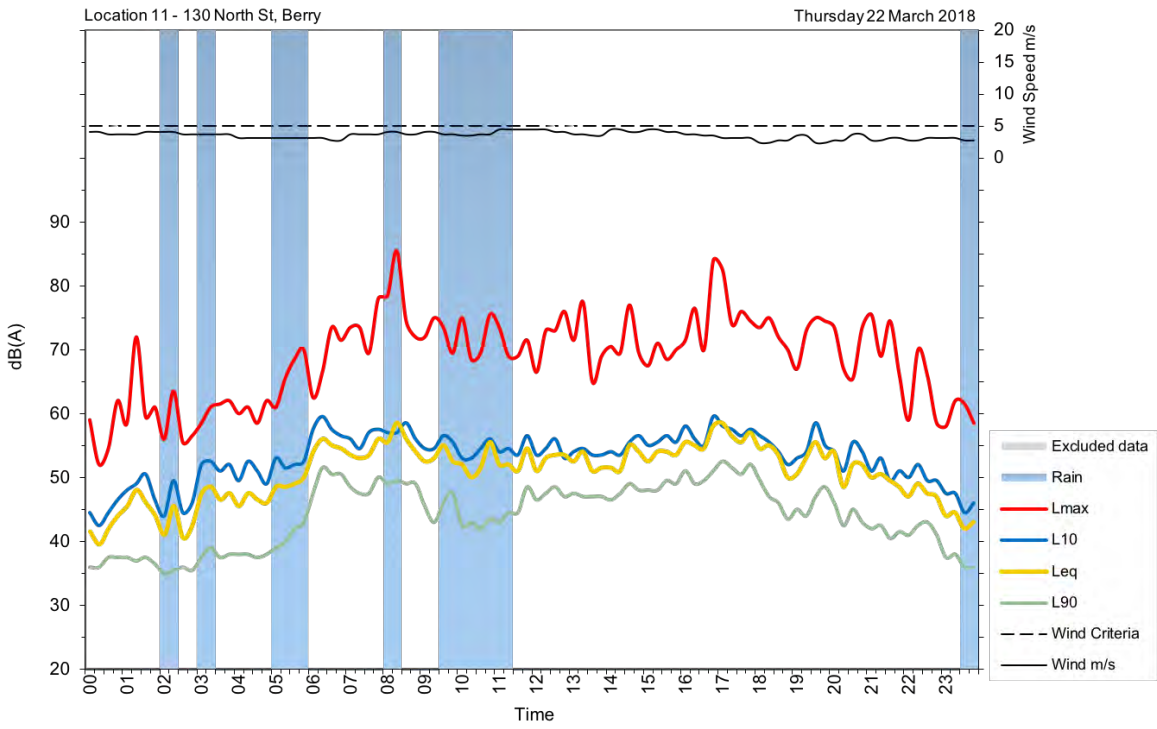
Date	Day, L <sub>Aeq</sub> (15-hour)	Night, L <sub>Aeq</sub> (9-hour)
Friday, 16 March 2018	51	53
Saturday, 17 March 2018	51	49
Sunday, 18 March 2018	56	46
Monday, 19 March 2018	51	51
Tuesday, 20 March 2018	54	49
Wednesday, 21 March 2018	52	45
Thursday, 22 March 2018	54	48
Friday, 23 March 2018	54	46
Saturday, 24 March 2018	50	49
Sunday, 25 March 2018	54	51
Monday, 26 March 2018	55	50
Tuesday, 27 March 2018	54	50
Wednesday, 28 March 2018	54	49
Thursday, 29 March 2018	49	47
Friday, 30 March 2018	50	43
Saturday, 31 March 2018	51	43
Sunday, 1 April 2018	50	43
Monday, 2 April 2018	51	47
Tuesday, 3 April 2018	50	46
Wednesday, 4 April 2018	49	48
Thursday, 5 April 2018	51	46
Friday, 6 April 2018	55	44
Saturday, 7 April 2018	51	42
Sunday, 8 April 2018	49	50
Monday, 9 April 2018	51	43
Tuesday, 10 April 2018	50	
<b>Overall</b>	<b>53</b>	<b>49</b>

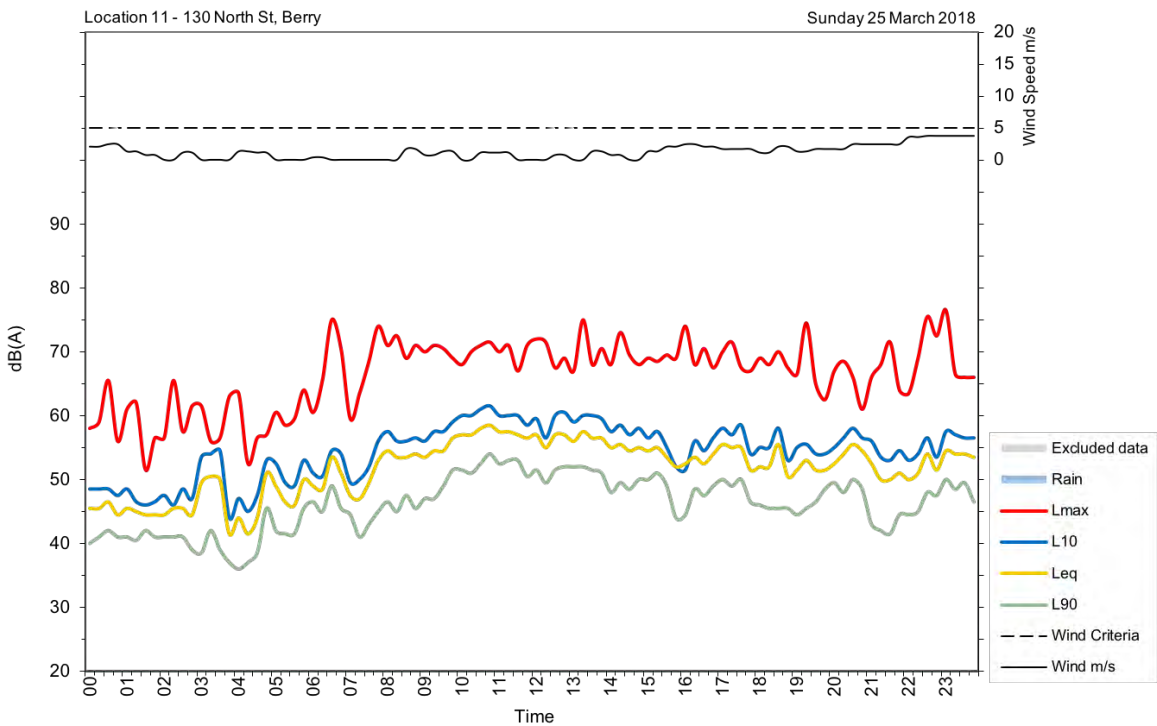
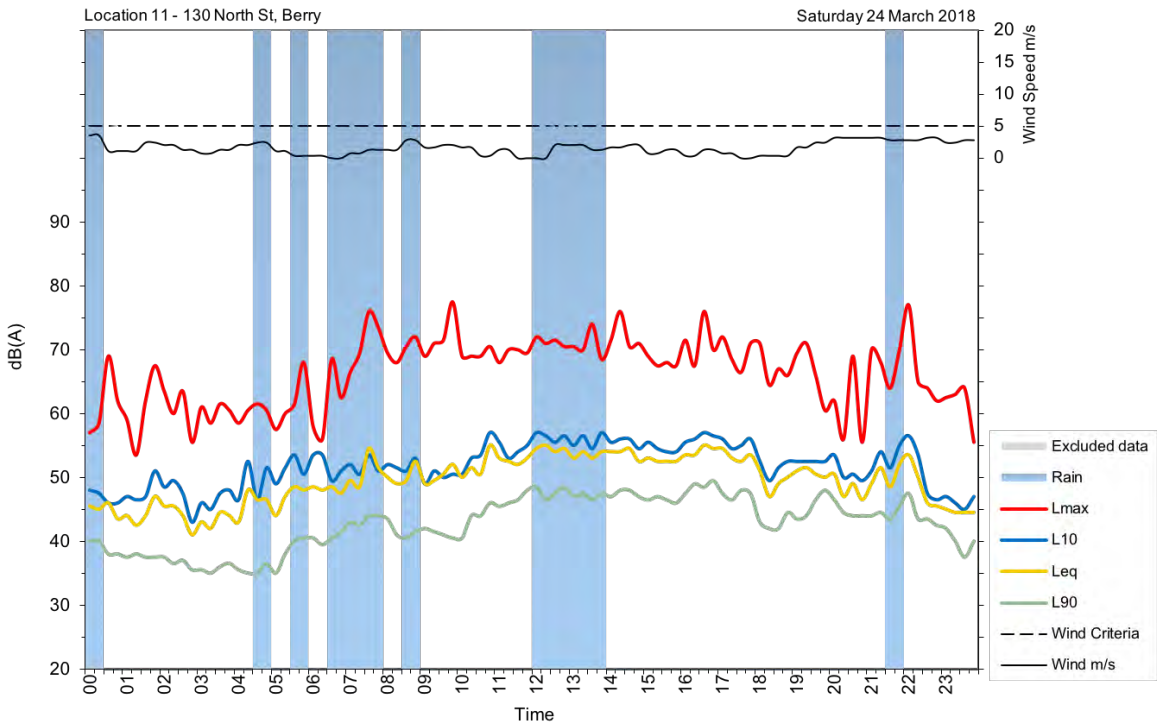


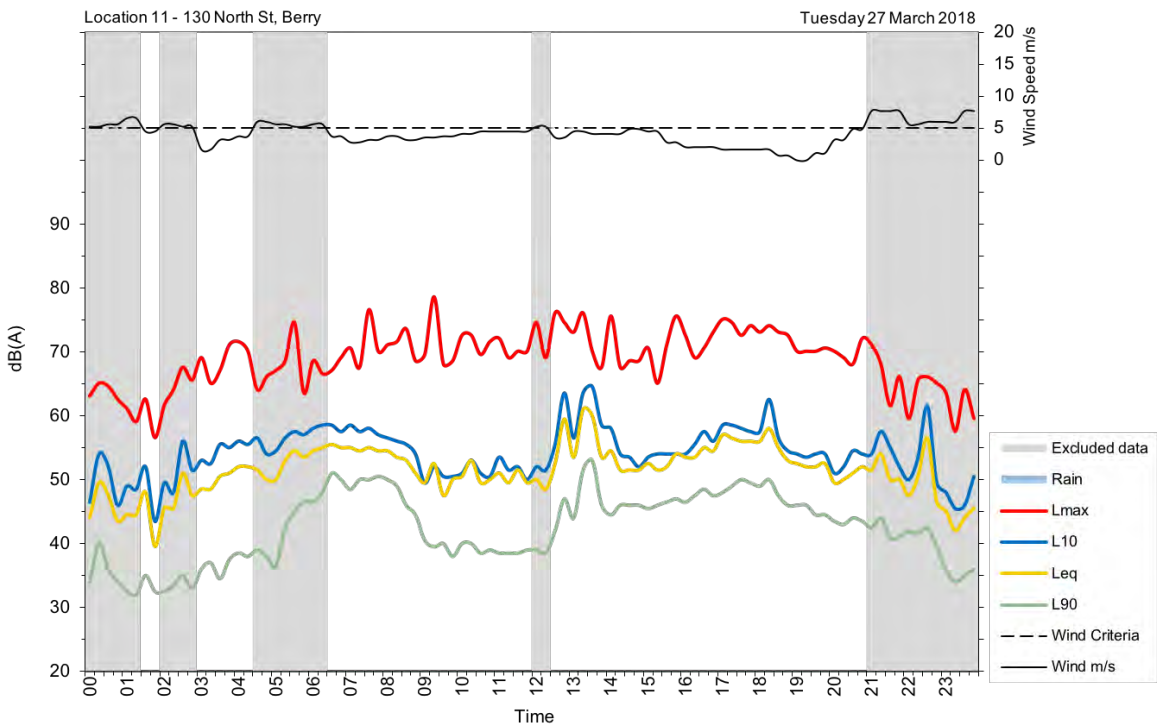
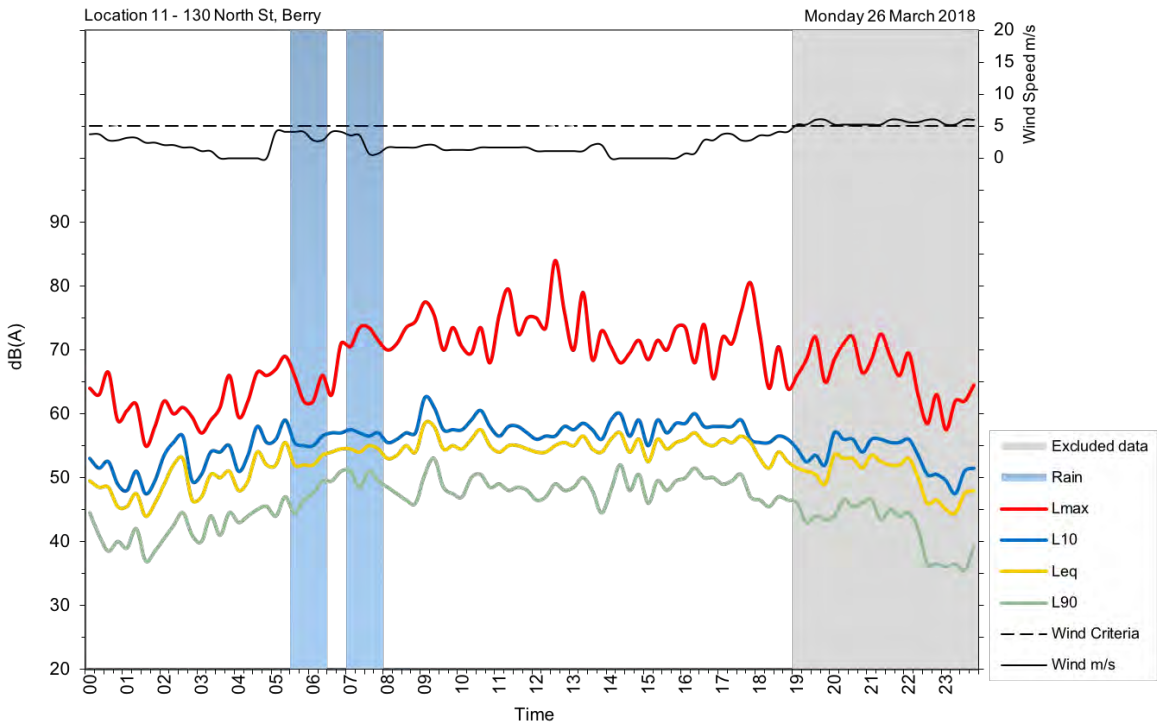




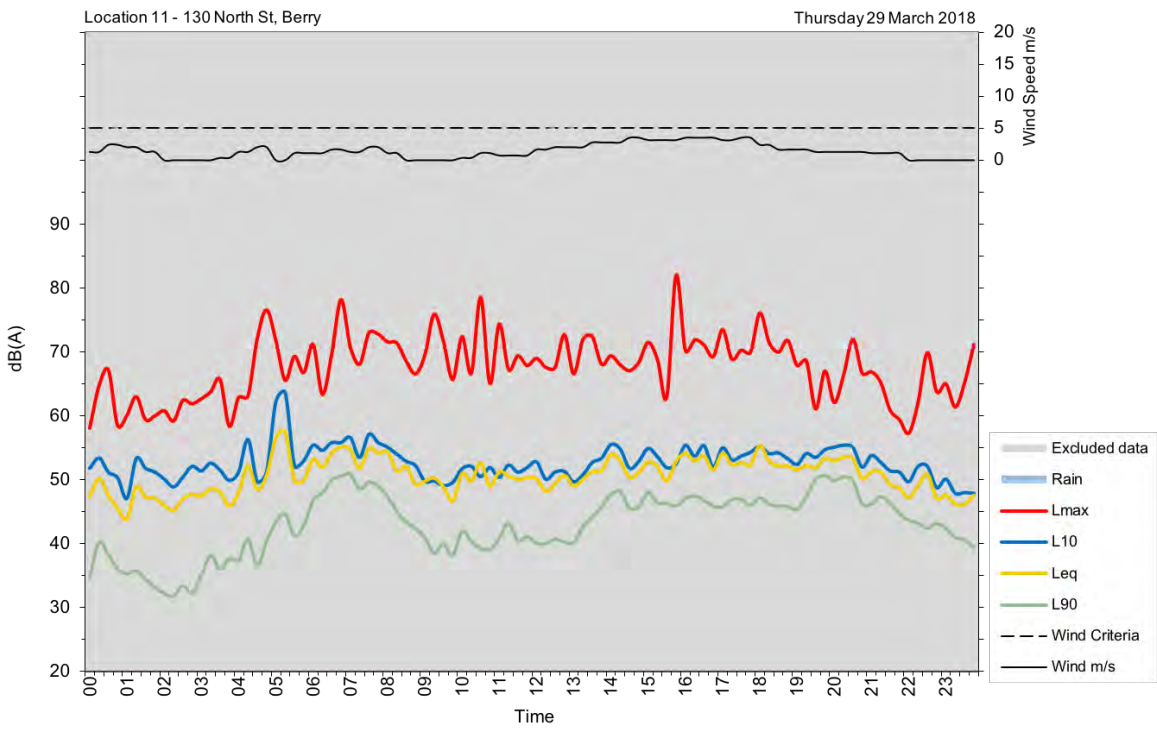
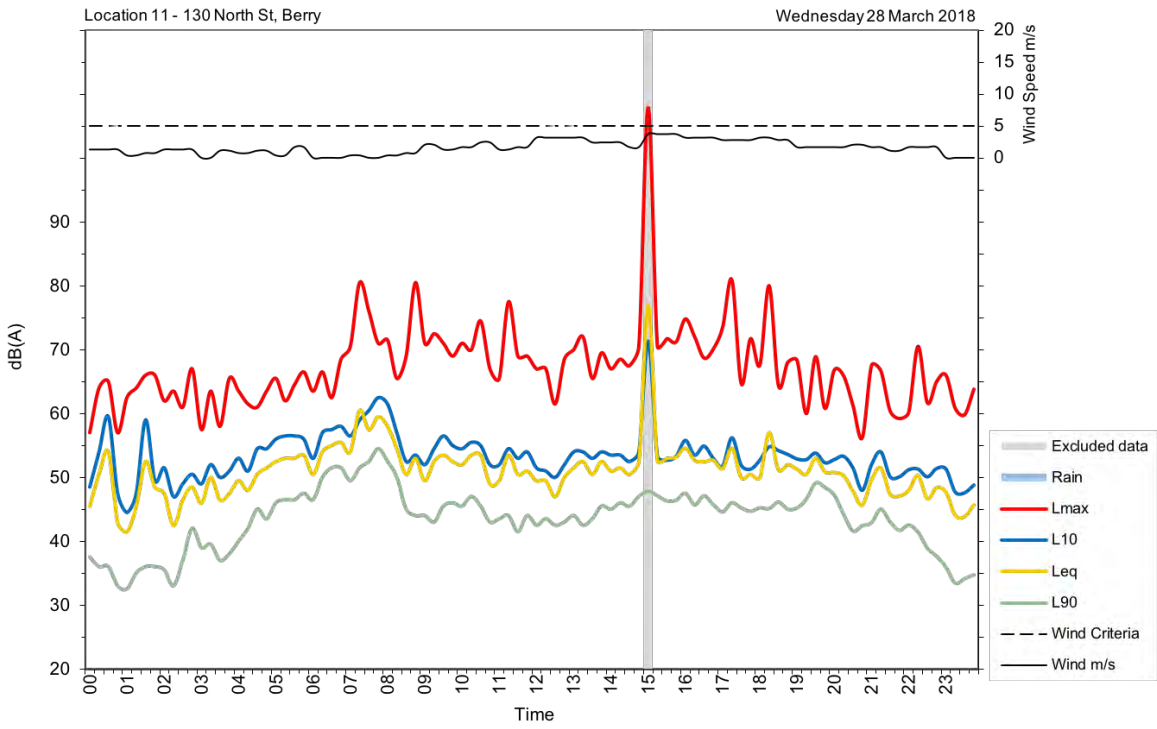


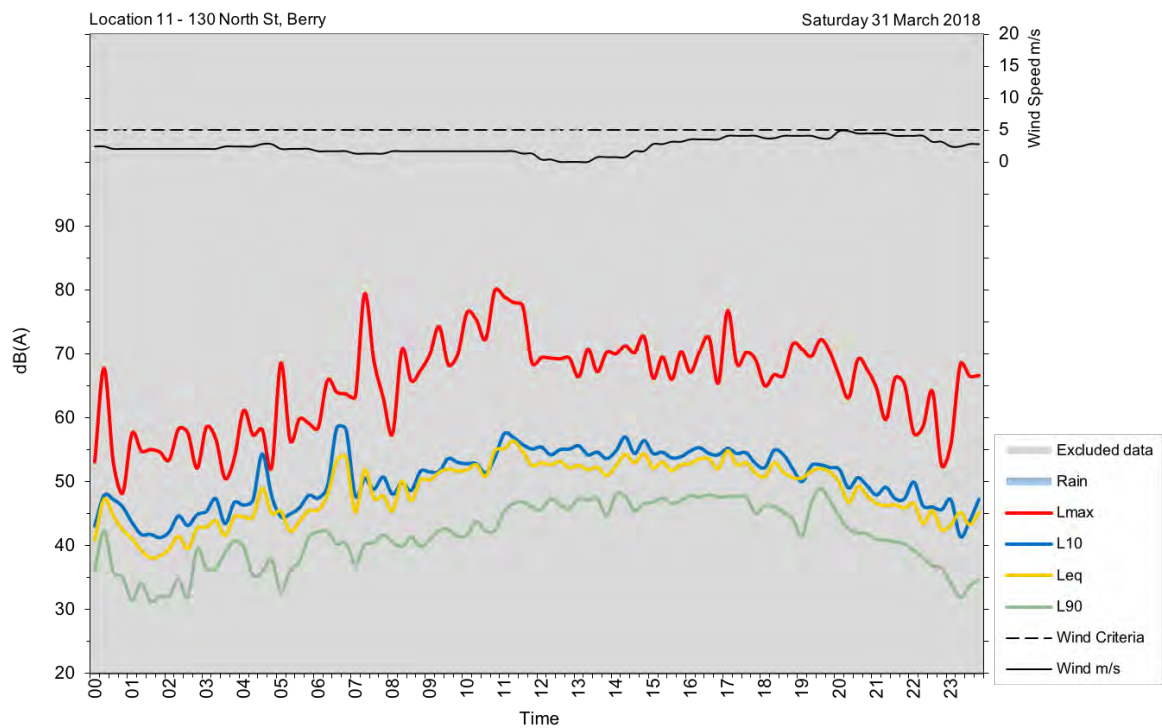
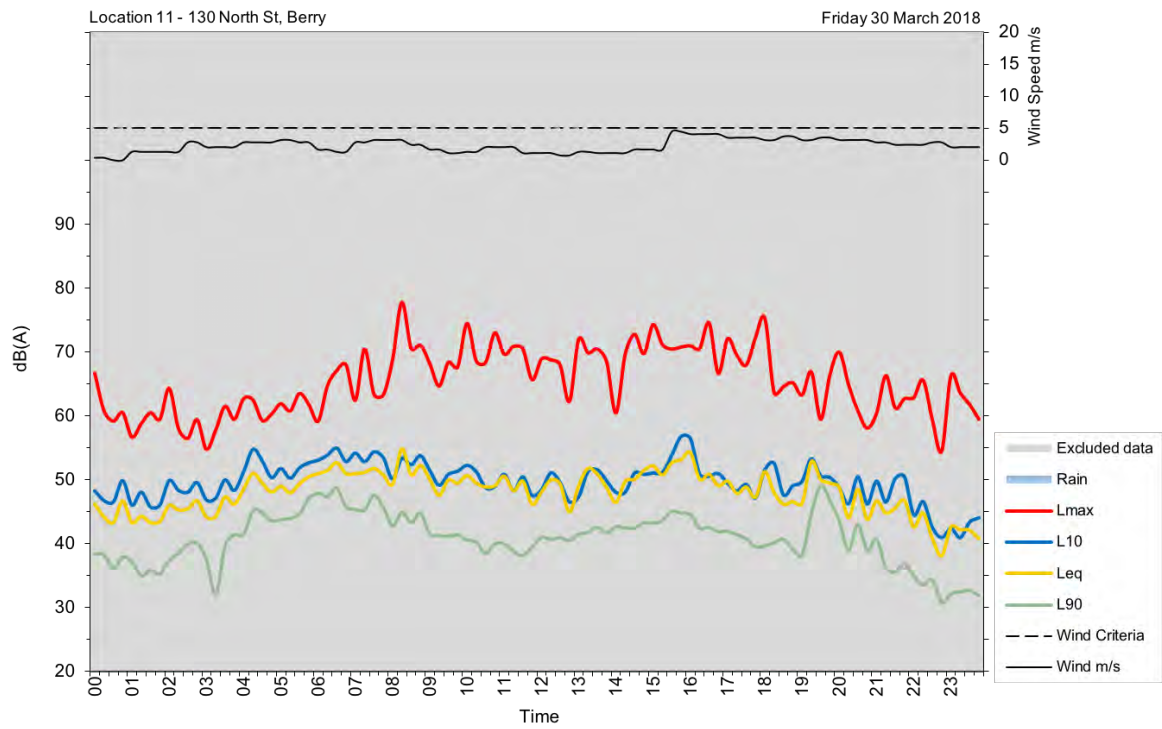


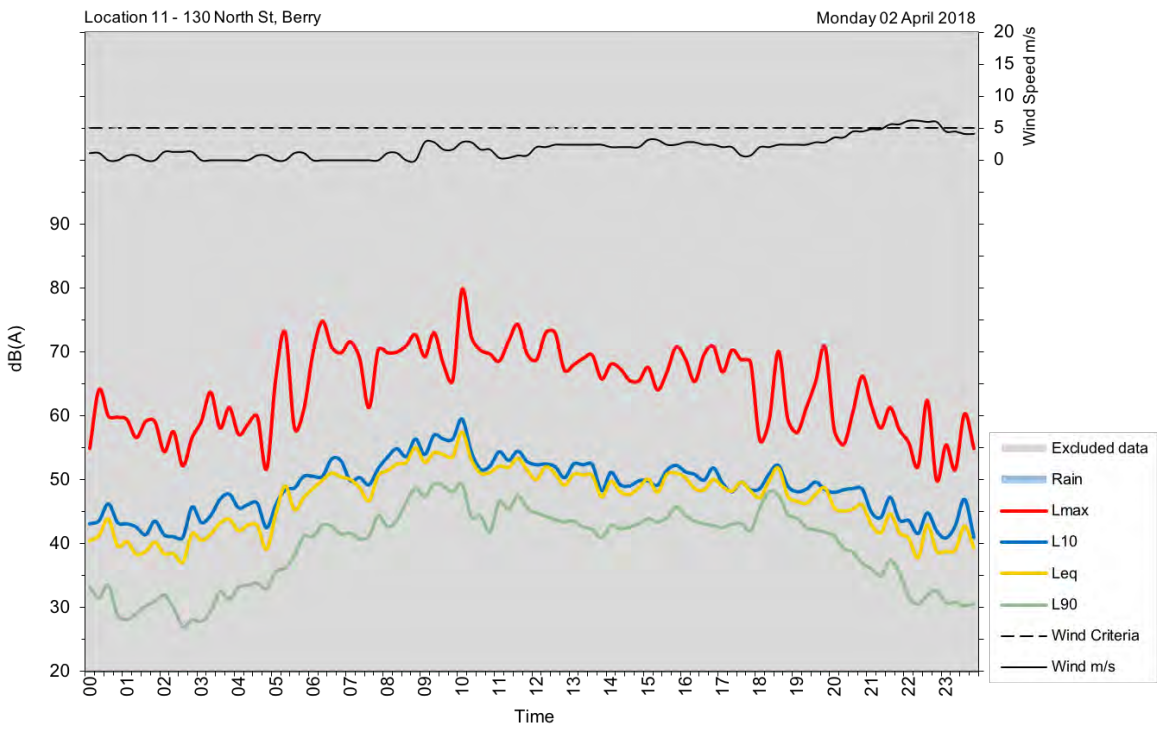
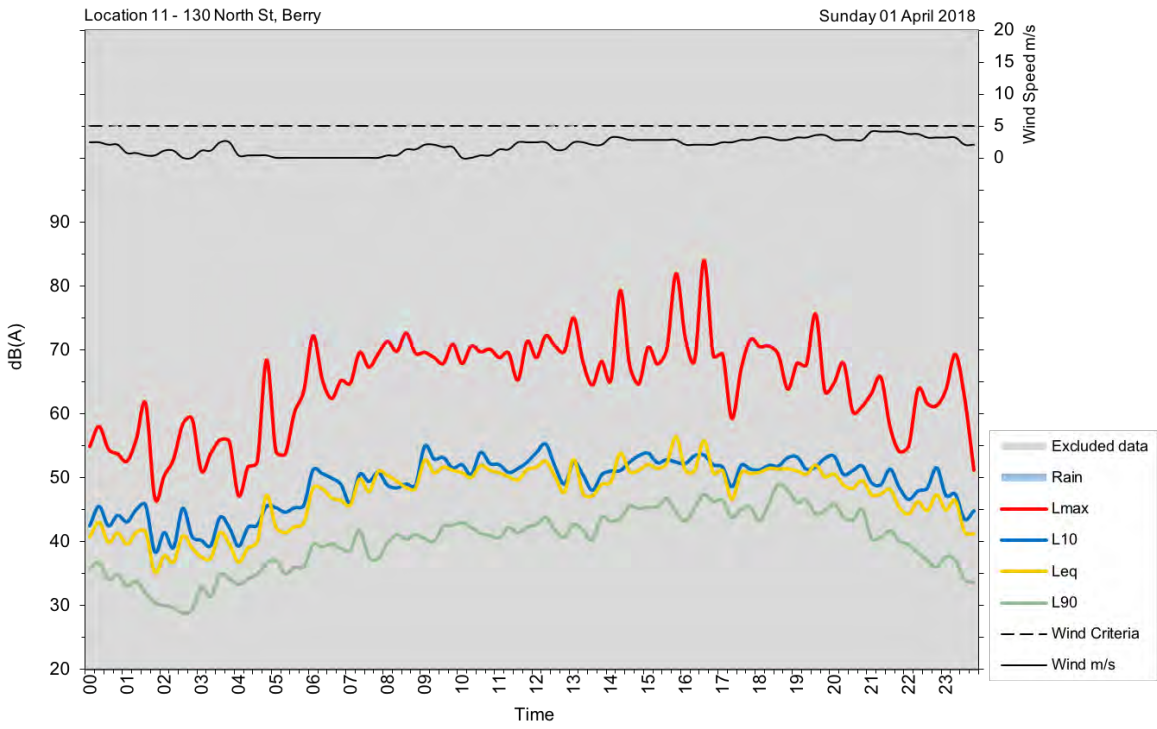


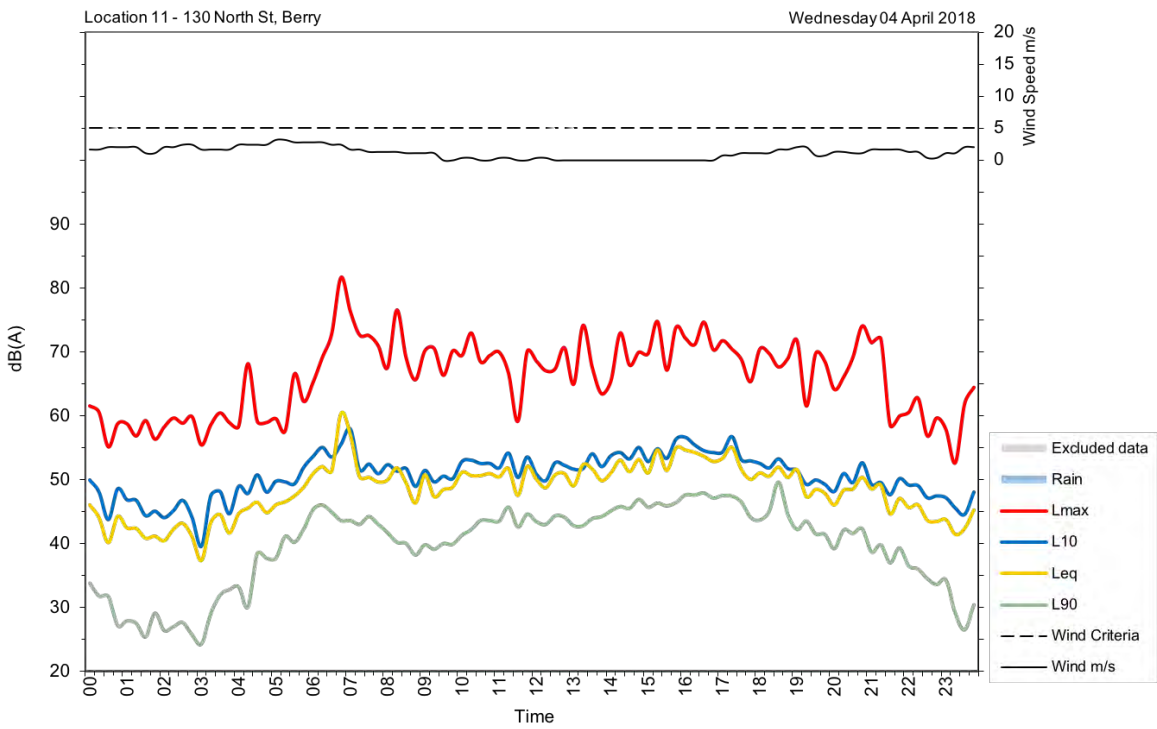
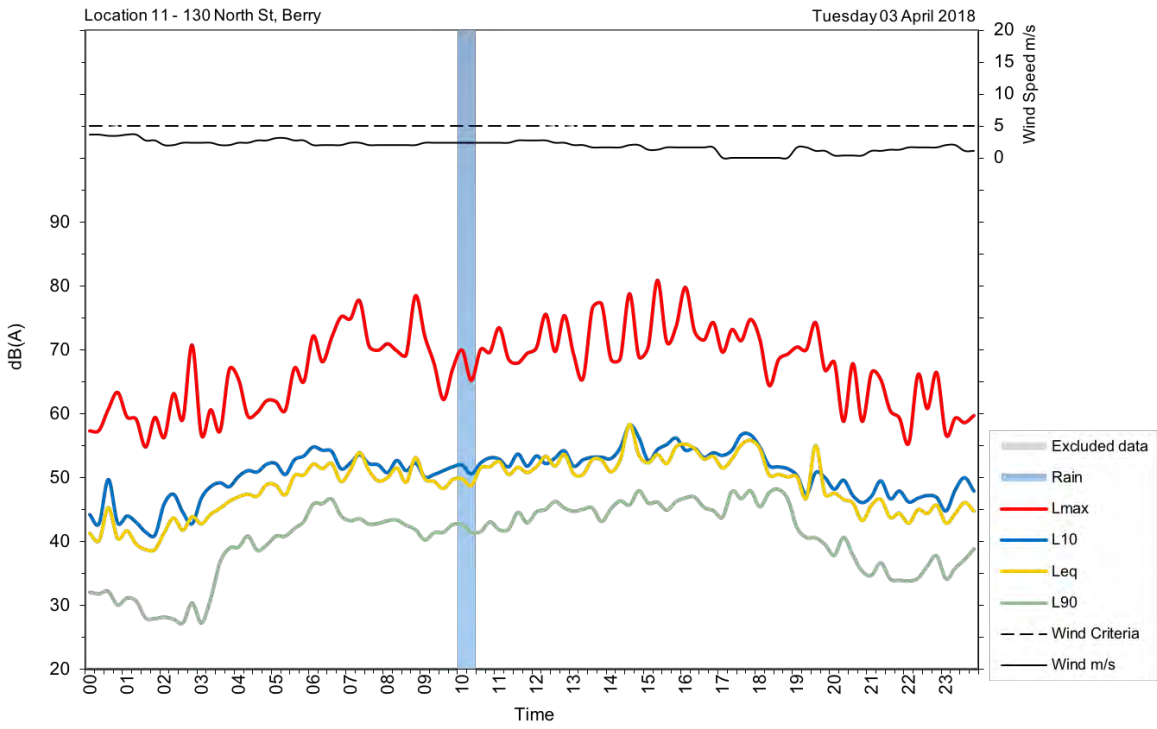




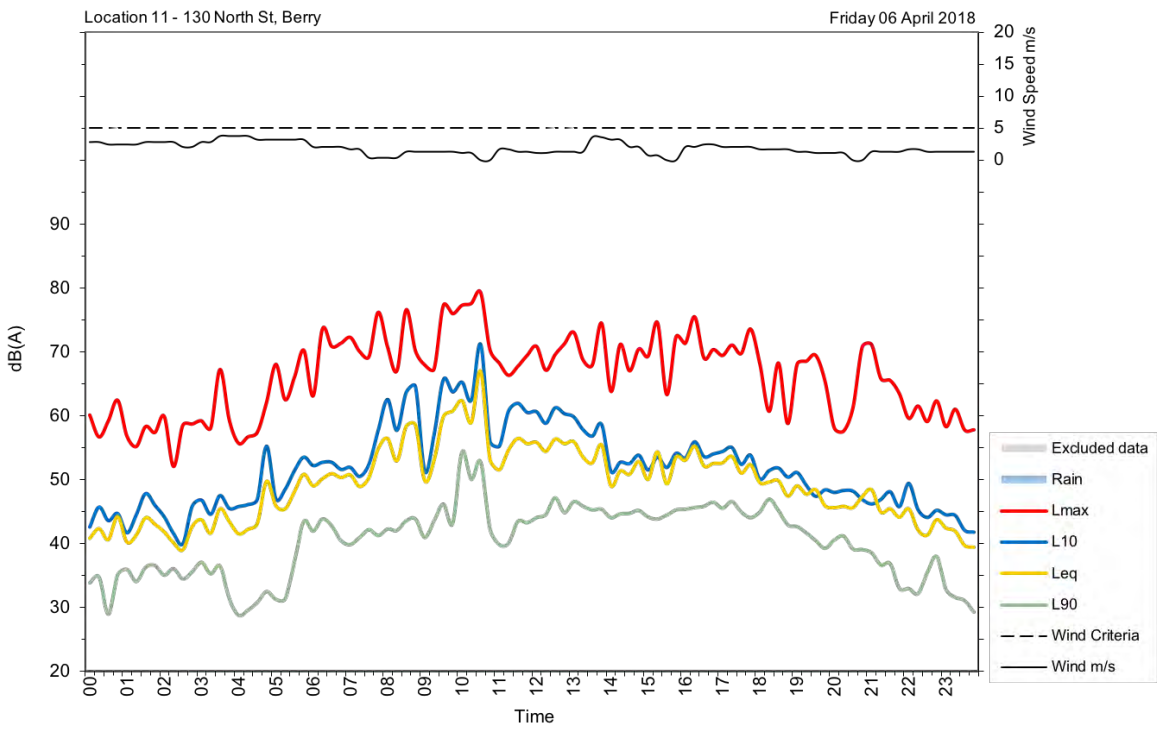
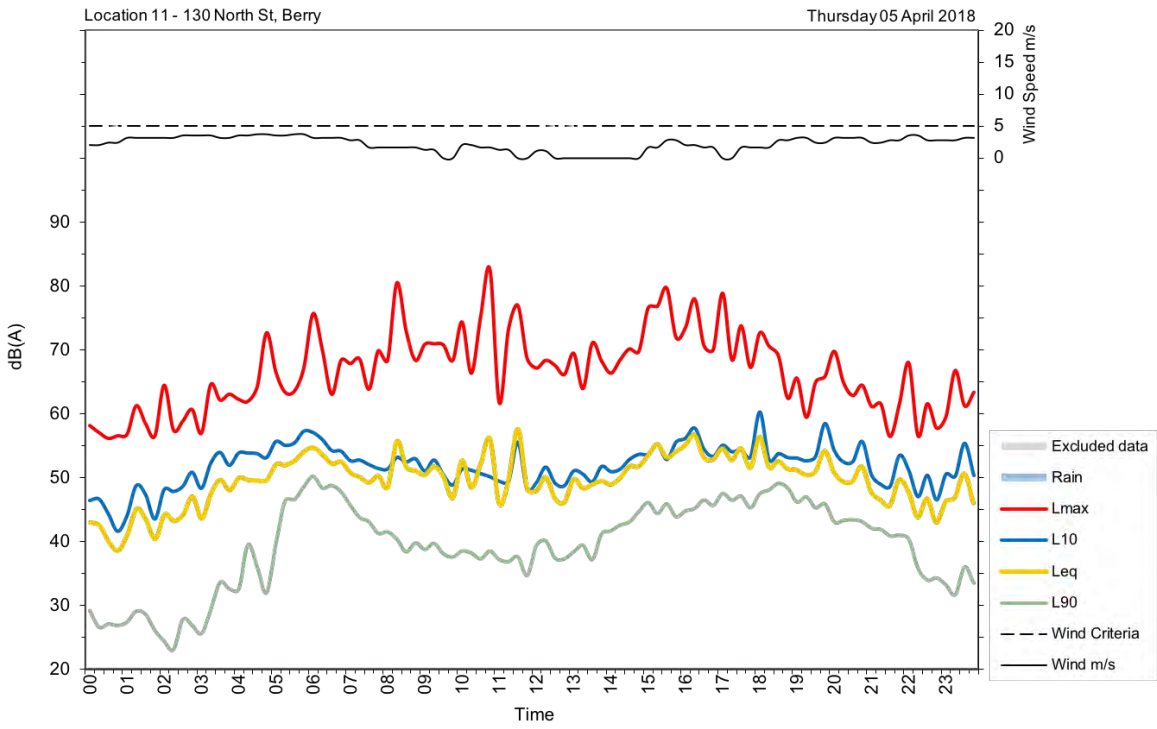


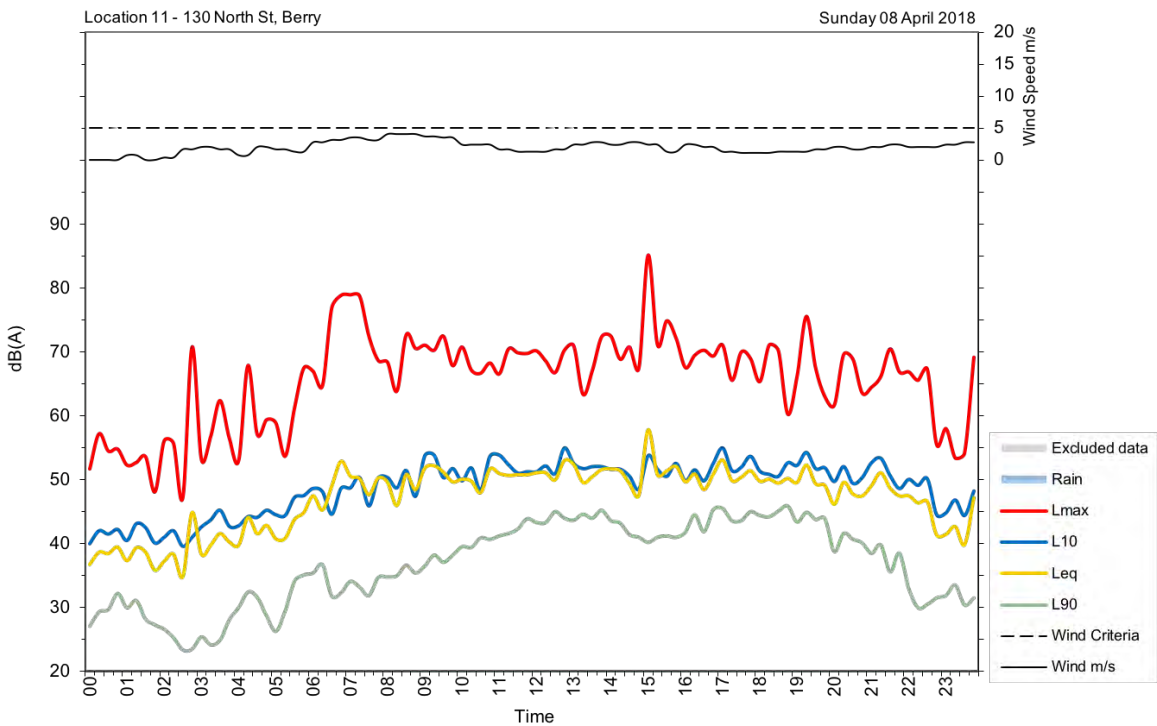
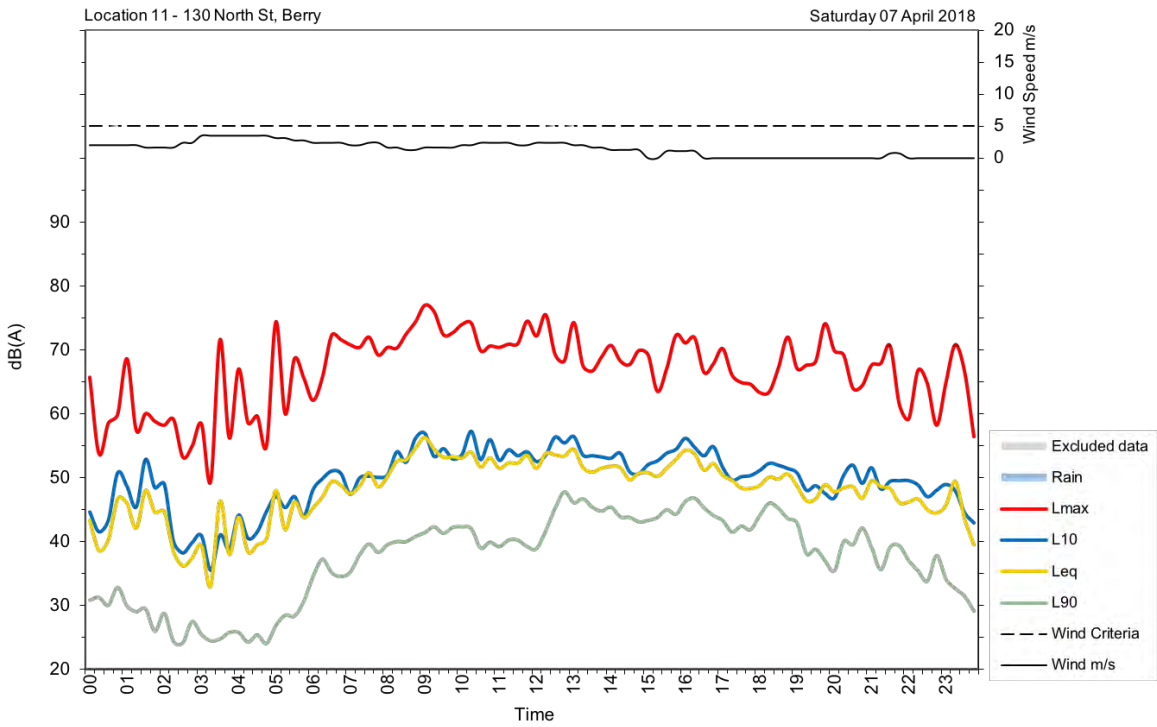


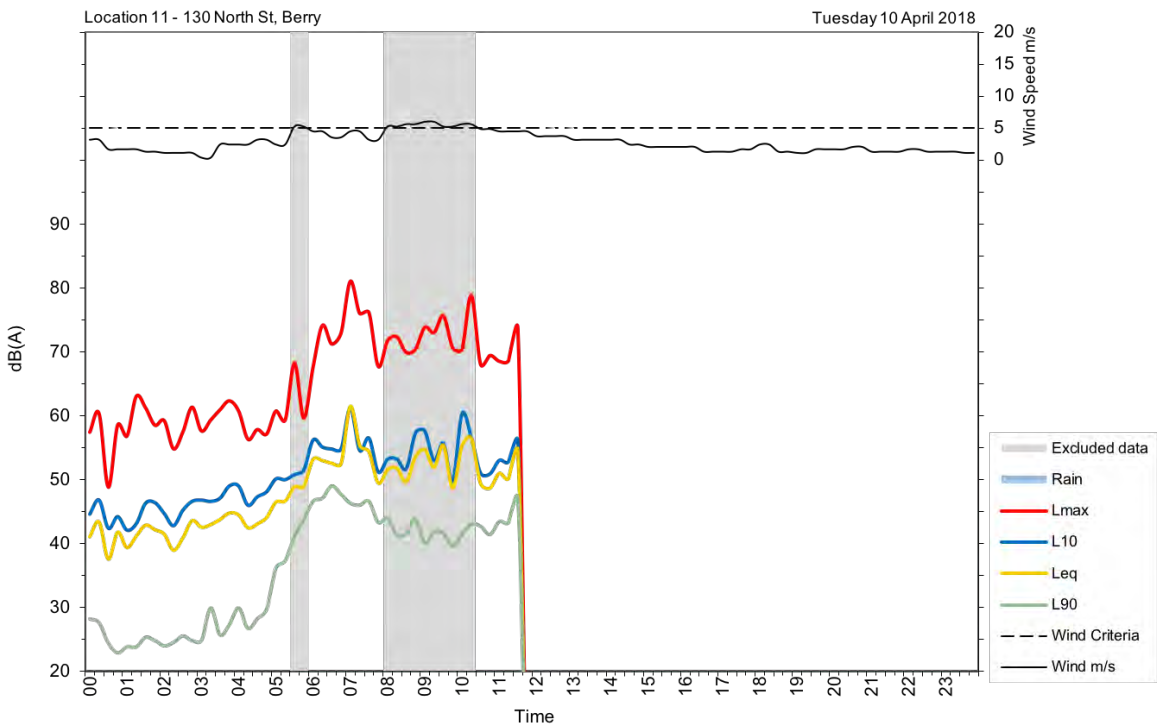
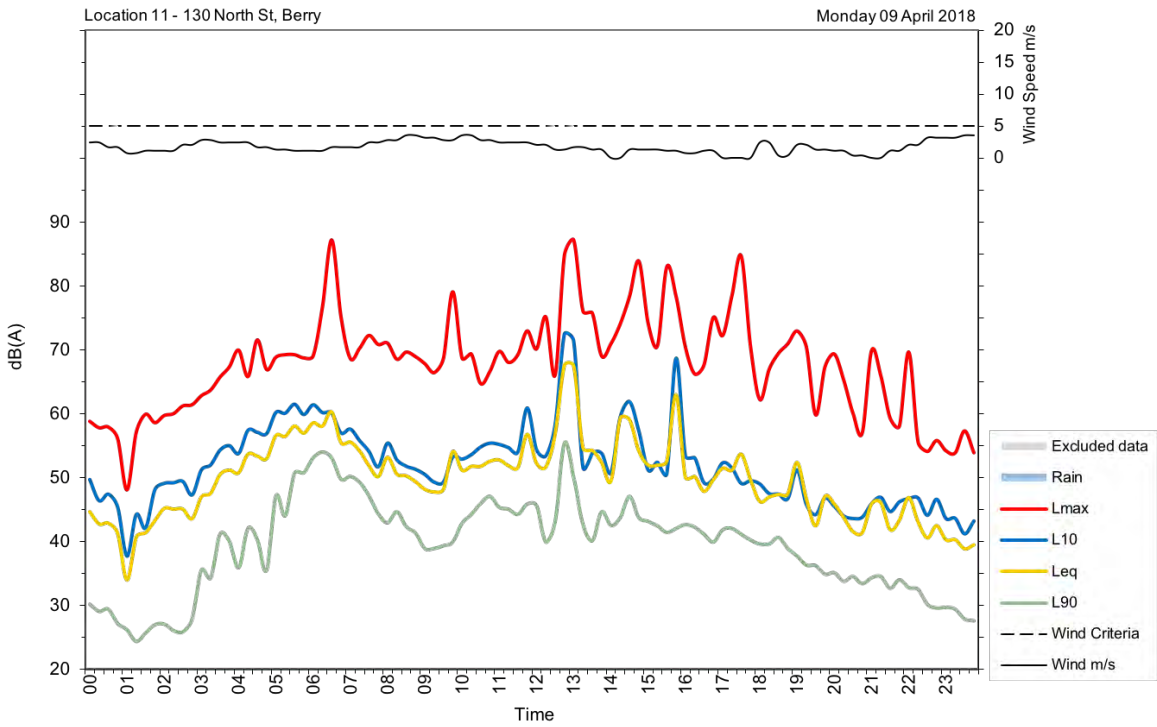












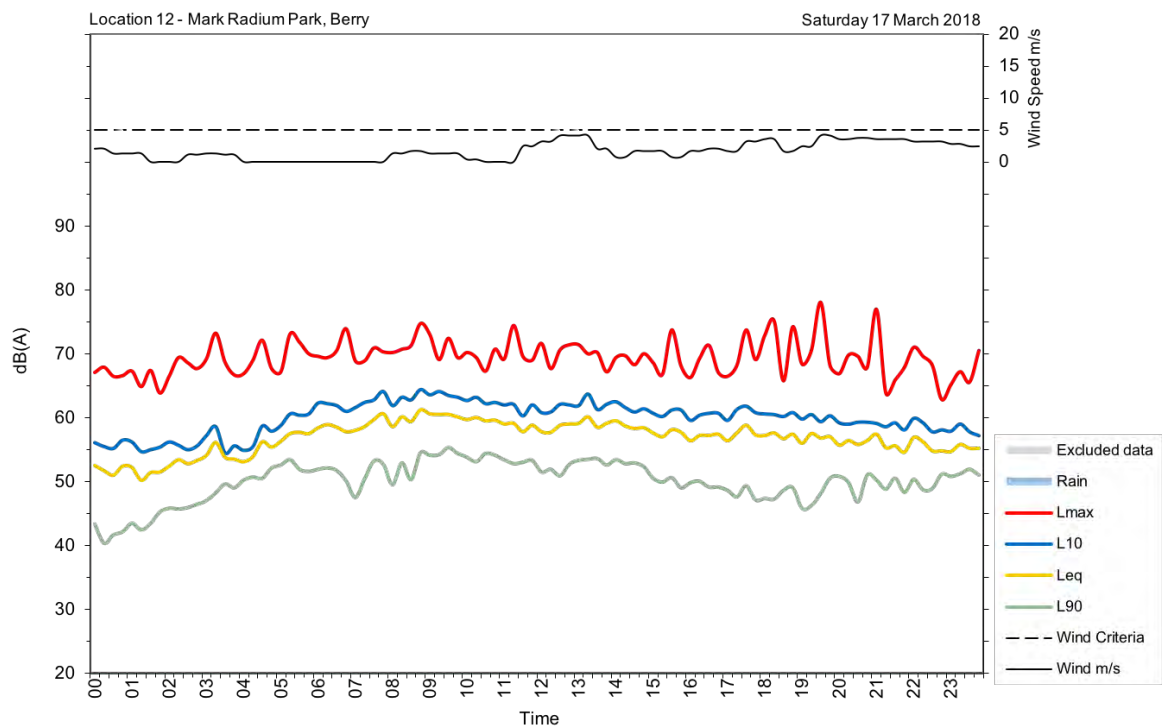
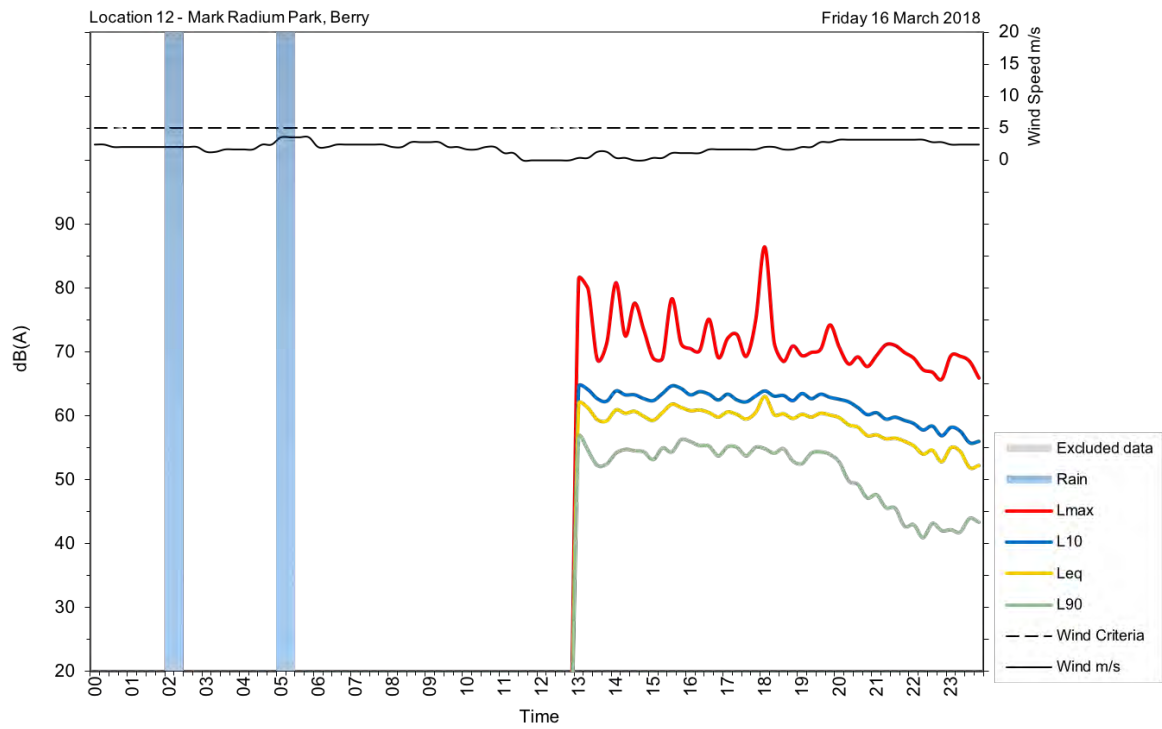
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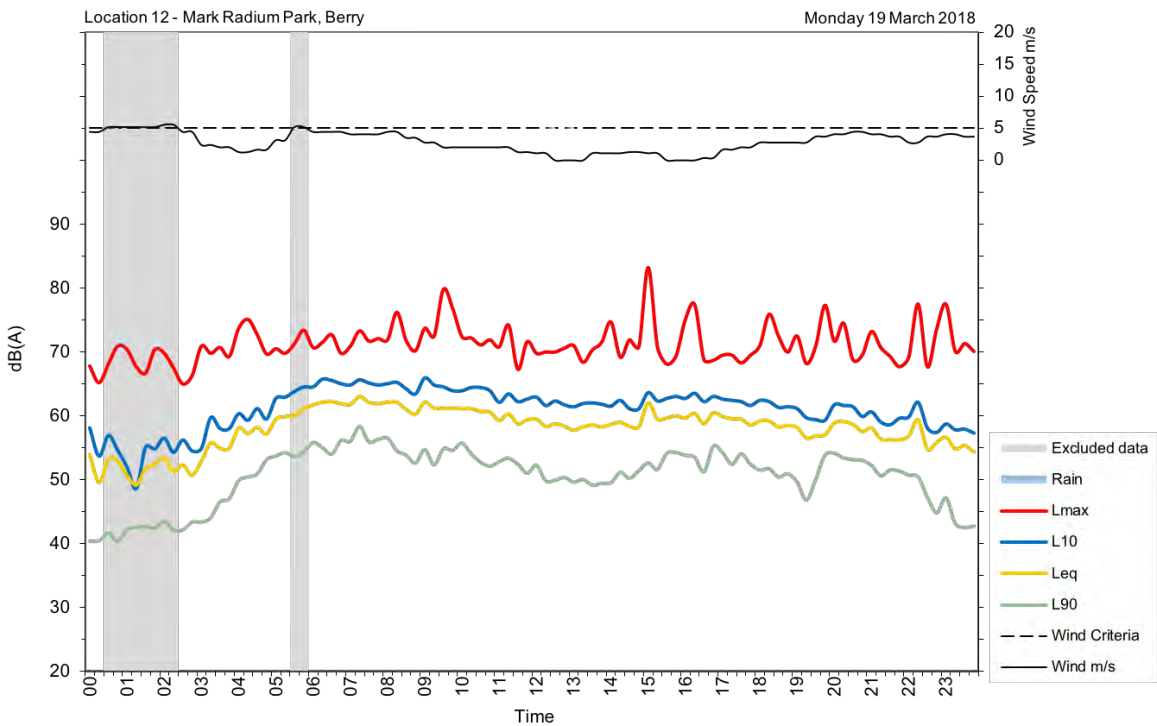
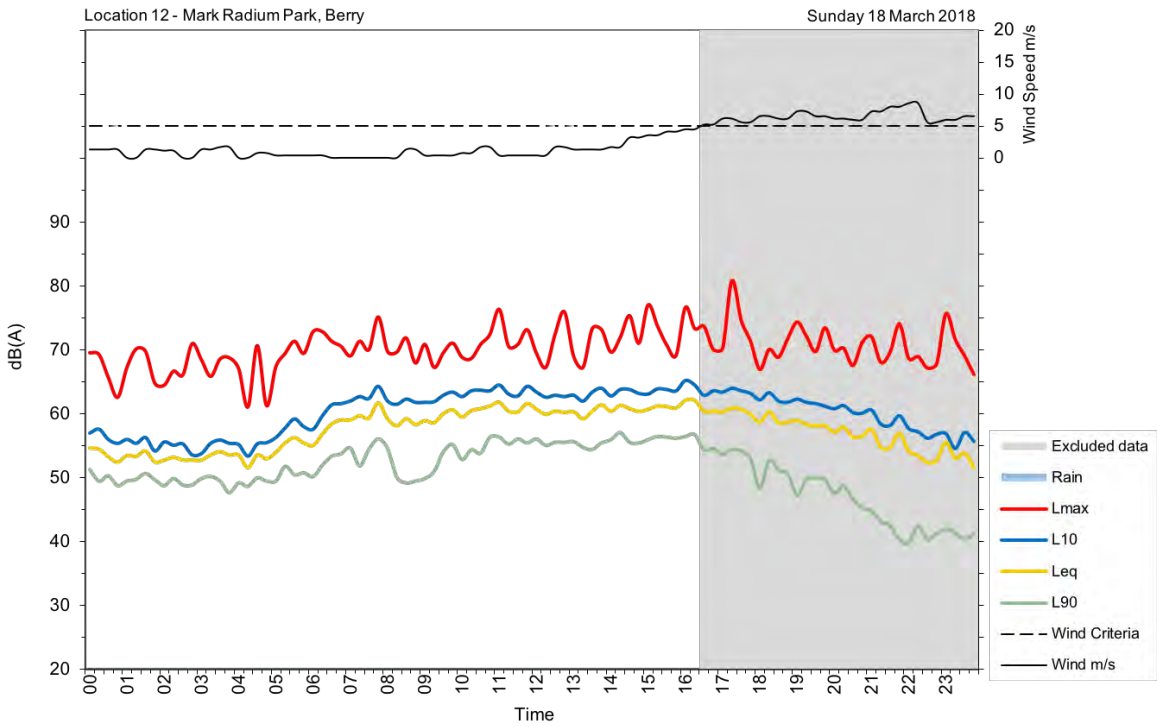
<b>Address/location</b>	Mark Radium Park
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Friday, 16 March 2018 to Tuesday, 10 April 2018

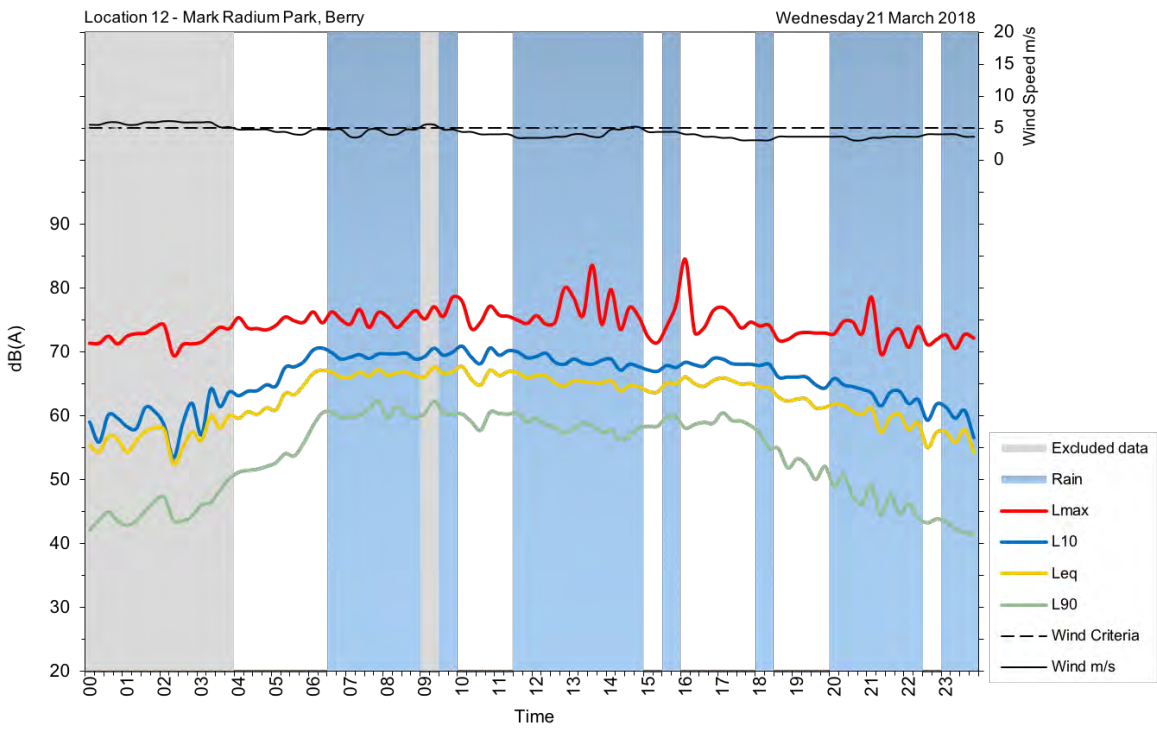
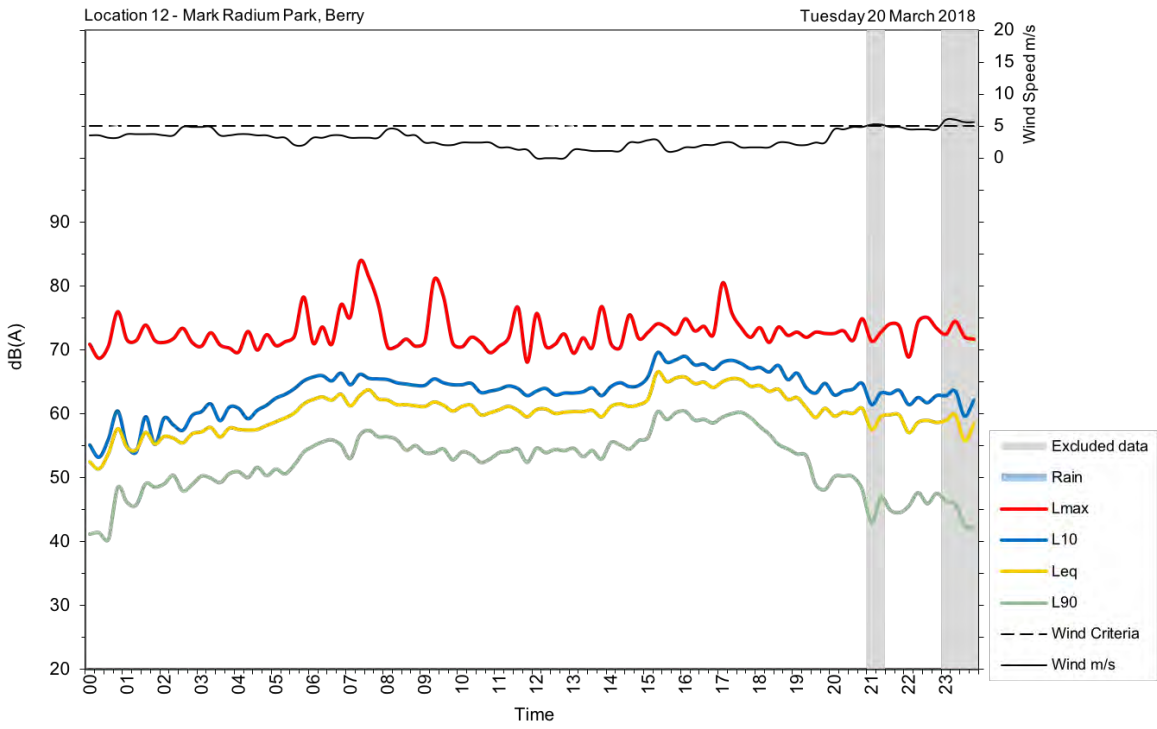




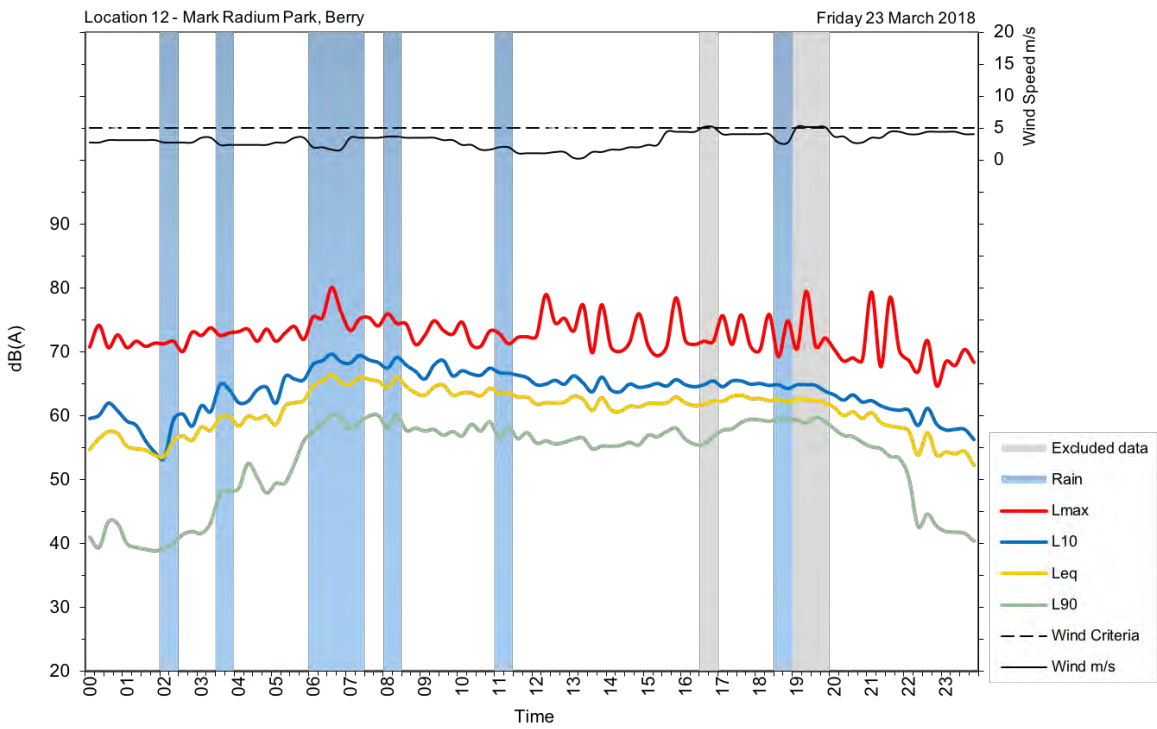
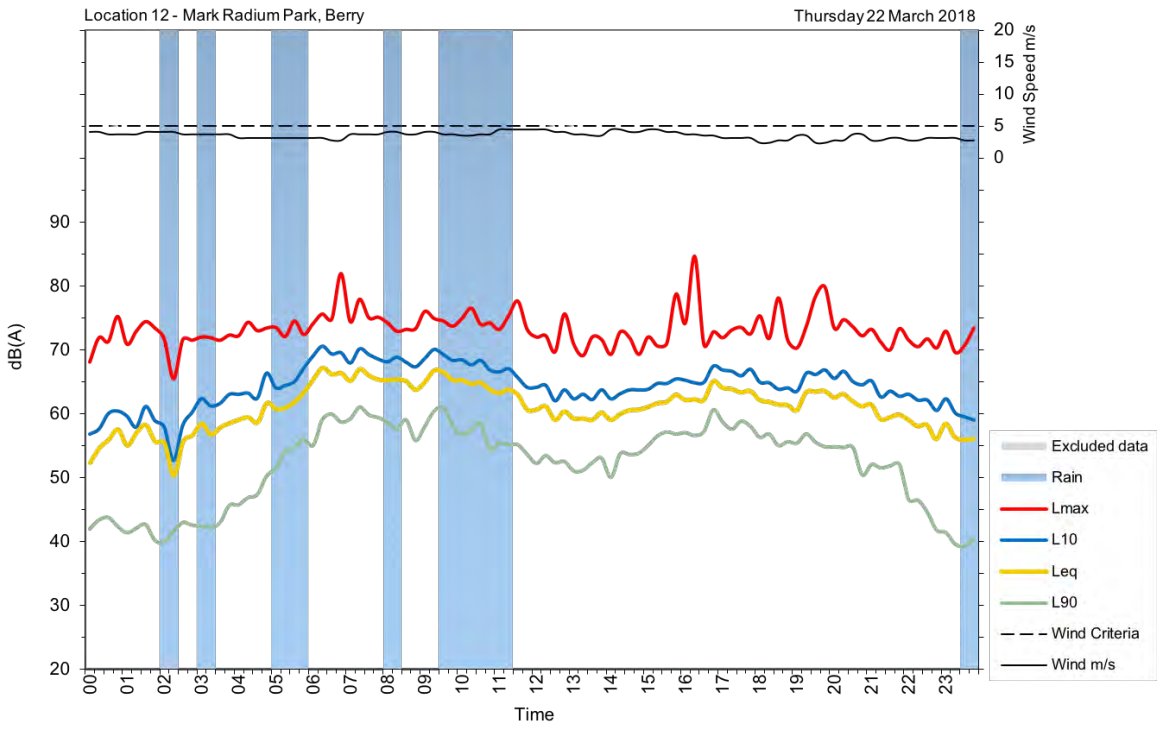
Date	Day, L <sub>Aeq</sub> (15-hour)	Night, L <sub>Aeq</sub> (9-hour)
Friday, 16 March 2018	60	53
Saturday, 17 March 2018	58	54
Sunday, 18 March 2018	60	53
Monday, 19 March 2018	60	56
Tuesday, 20 March 2018	62	58
Wednesday, 21 March 2018	65	57
Thursday, 22 March 2018	63	57
Friday, 23 March 2018	63	54
Saturday, 24 March 2018	60	54
Sunday, 25 March 2018	59	55
Monday, 26 March 2018	63	55
Tuesday, 27 March 2018	60	53
Wednesday, 28 March 2018	60	54
Thursday, 29 March 2018	60	56
Friday, 30 March 2018	58	51
Saturday, 31 March 2018	58	51
Sunday, 1 April 2018	58	52
Monday, 2 April 2018	60	55
Tuesday, 3 April 2018	61	53
Wednesday, 4 April 2018	59	54
Thursday, 5 April 2018	59	54
Friday, 6 April 2018	60	52
Saturday, 7 April 2018	59	51
Sunday, 8 April 2018	57	53
Monday, 9 April 2018	59	53
Tuesday, 10 April 2018	62	
<b>Overall</b>	<b>61</b>	<b>55</b>

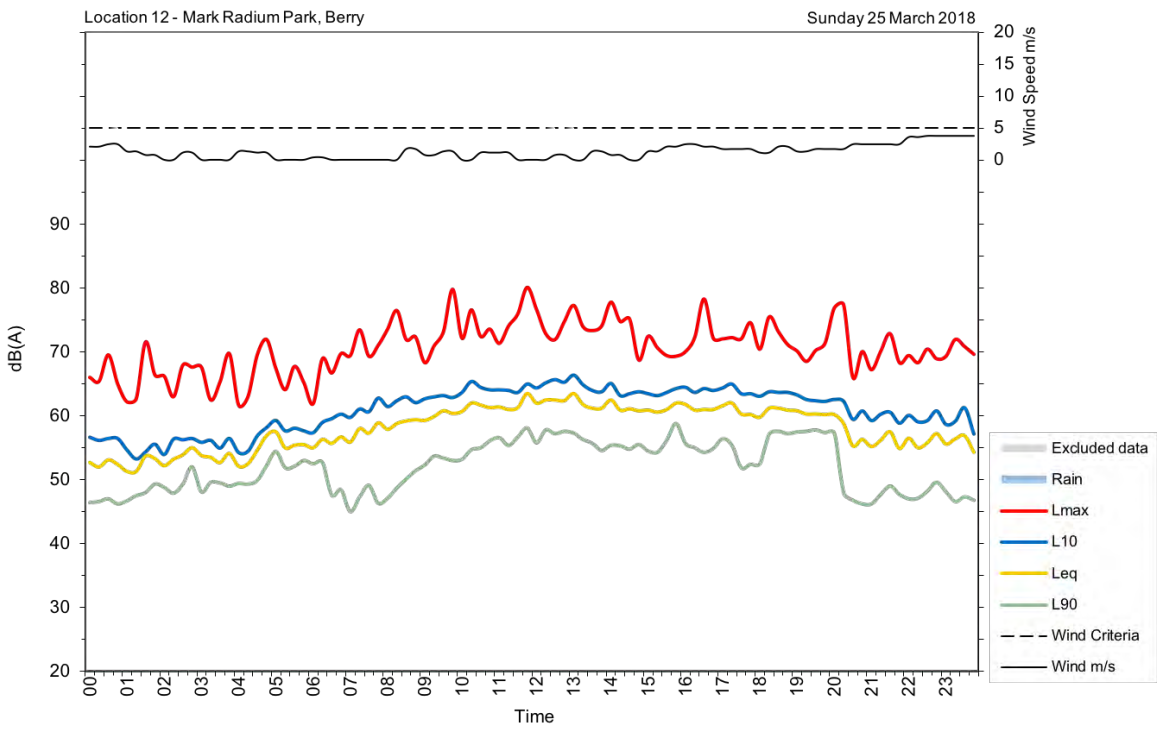
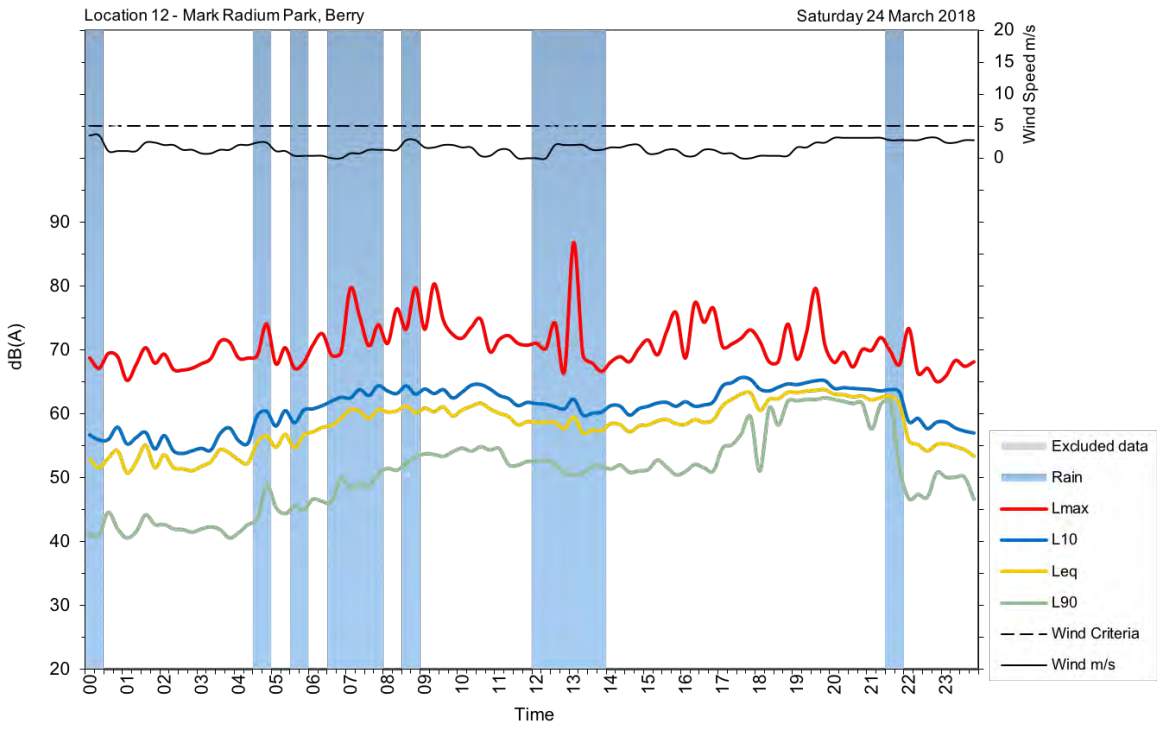


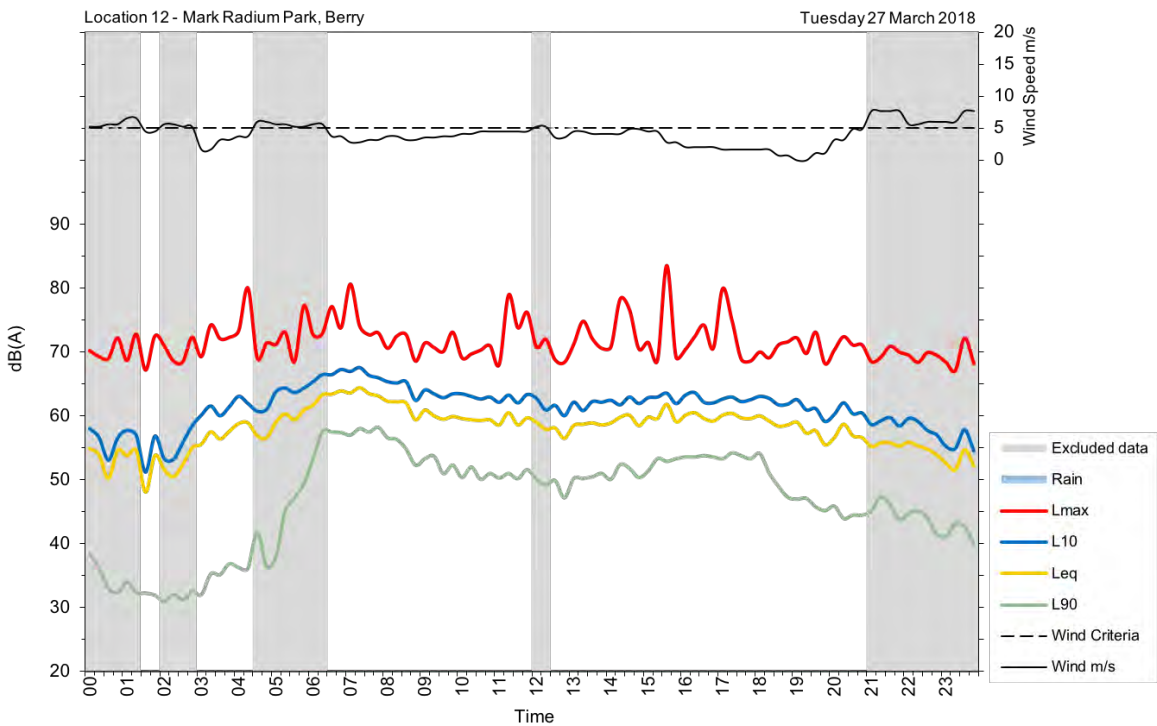
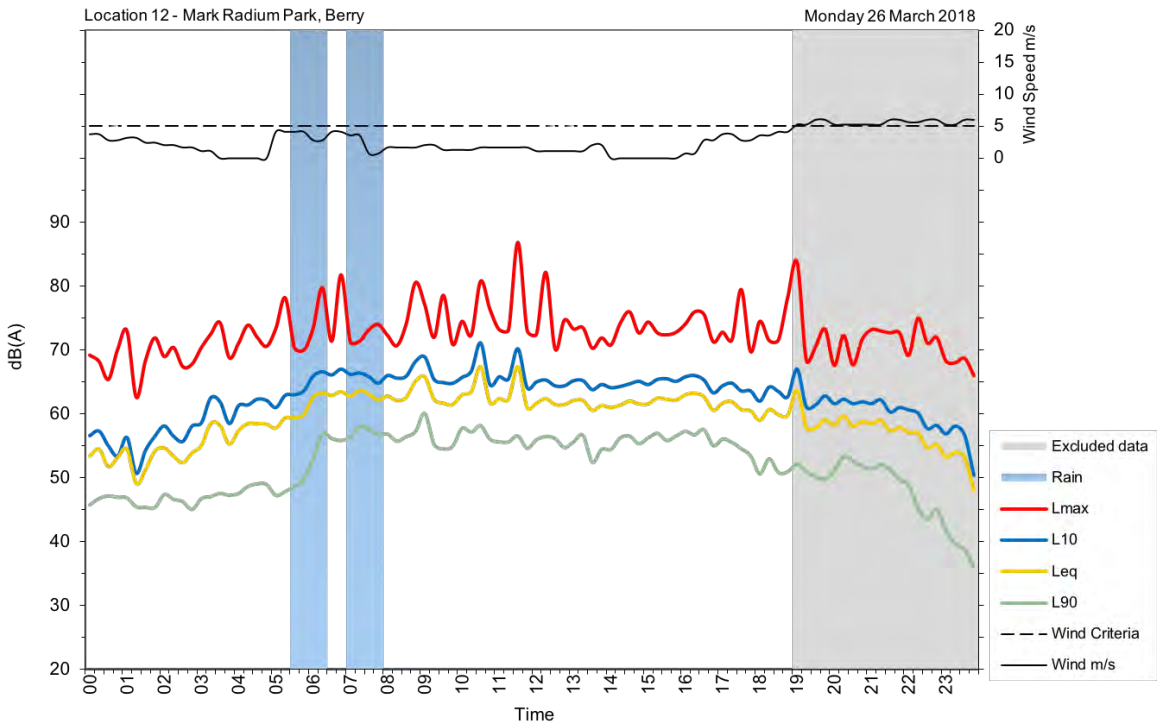


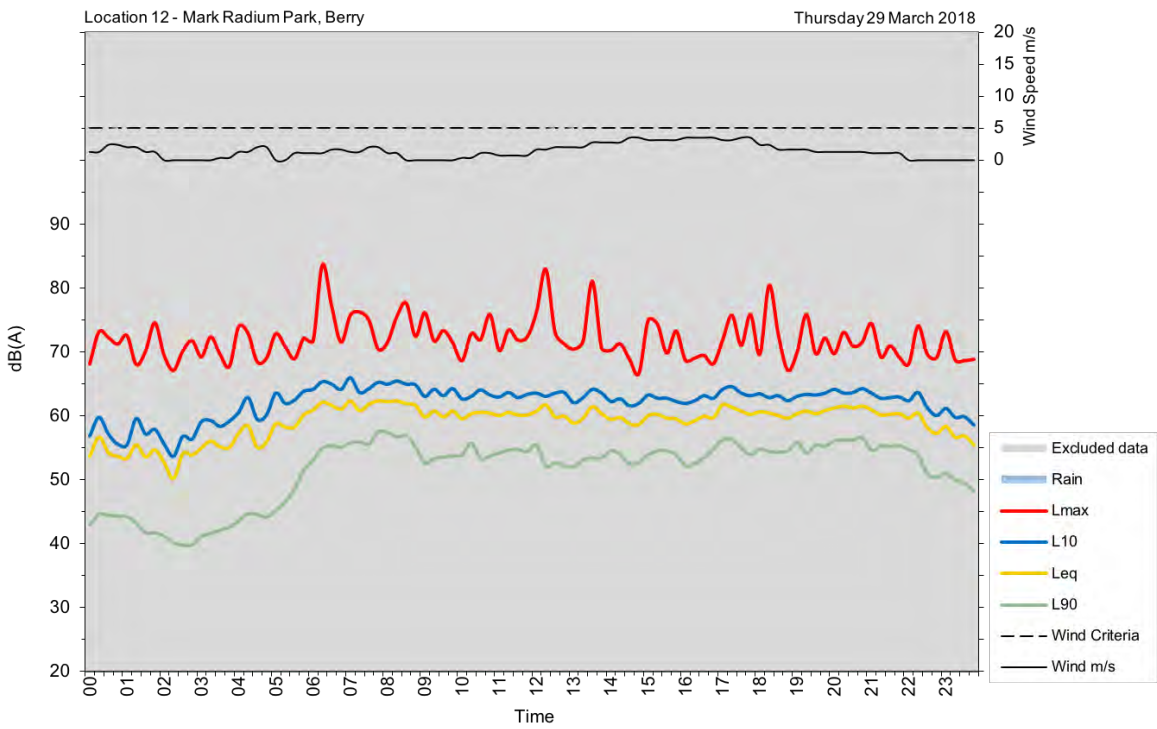
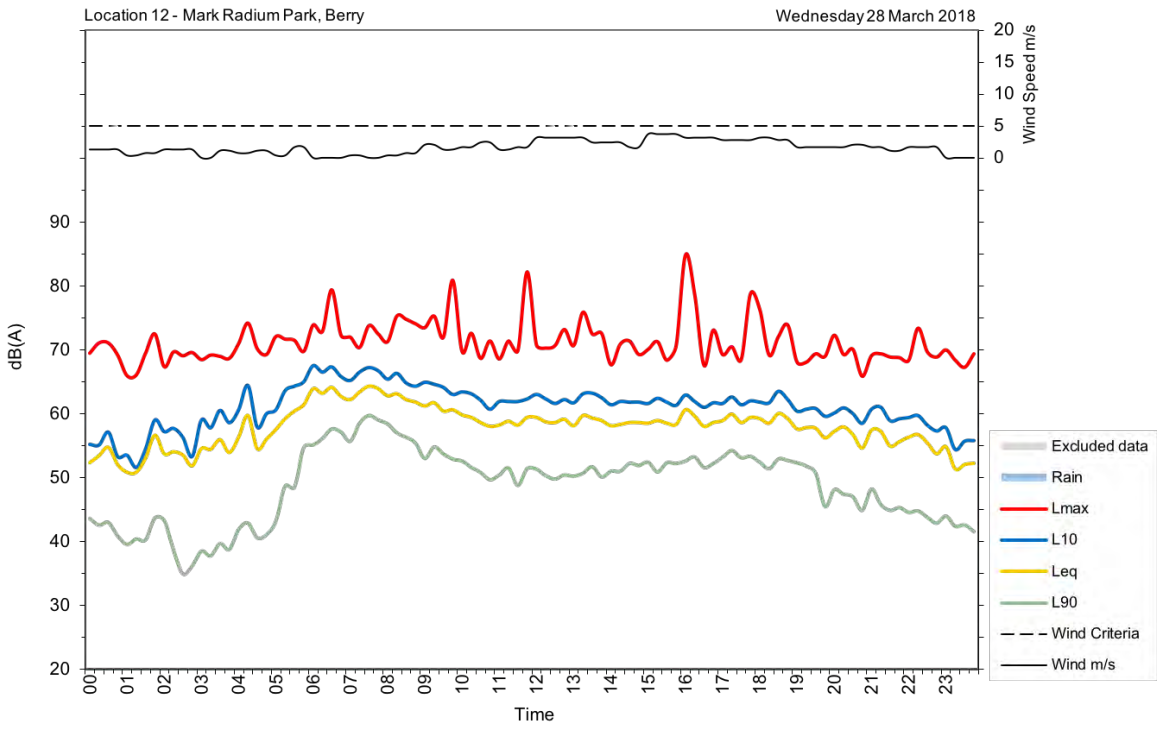




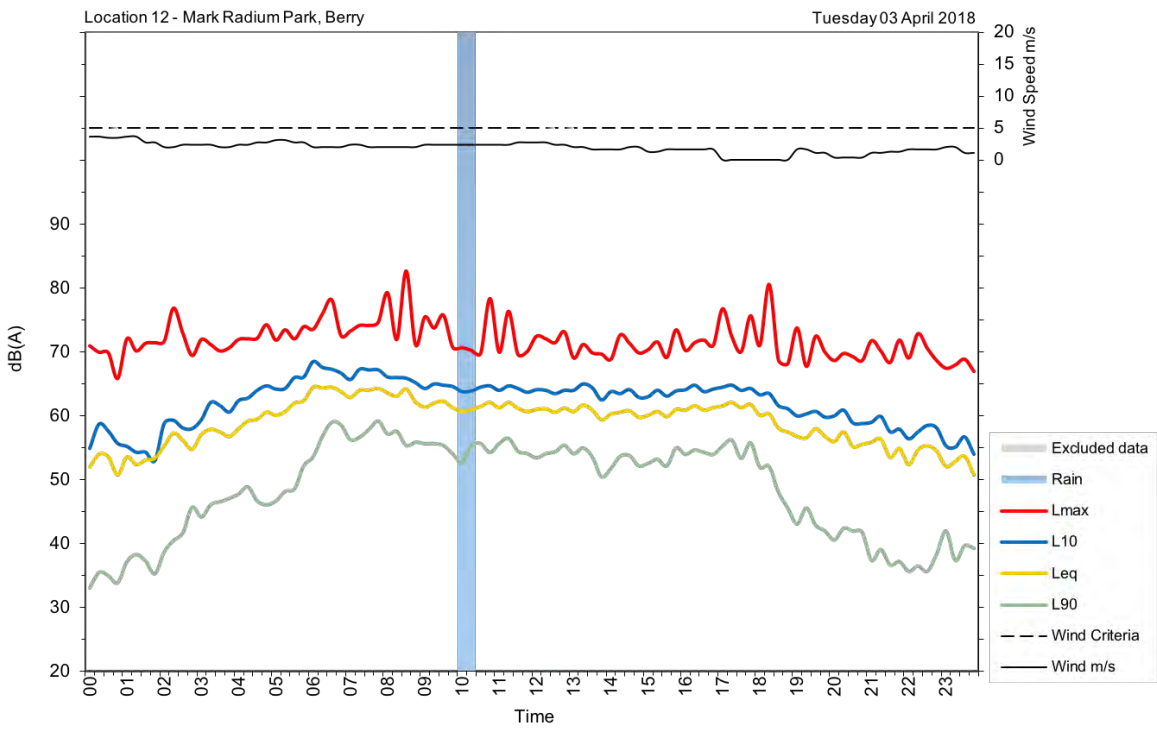
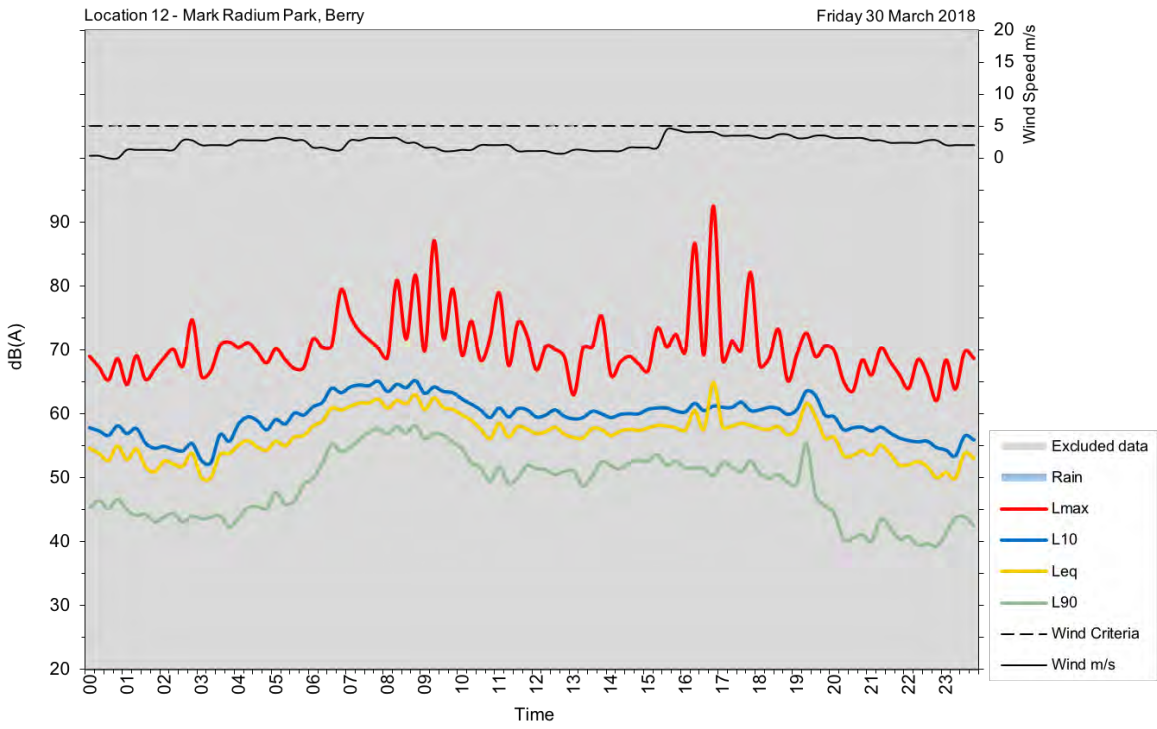


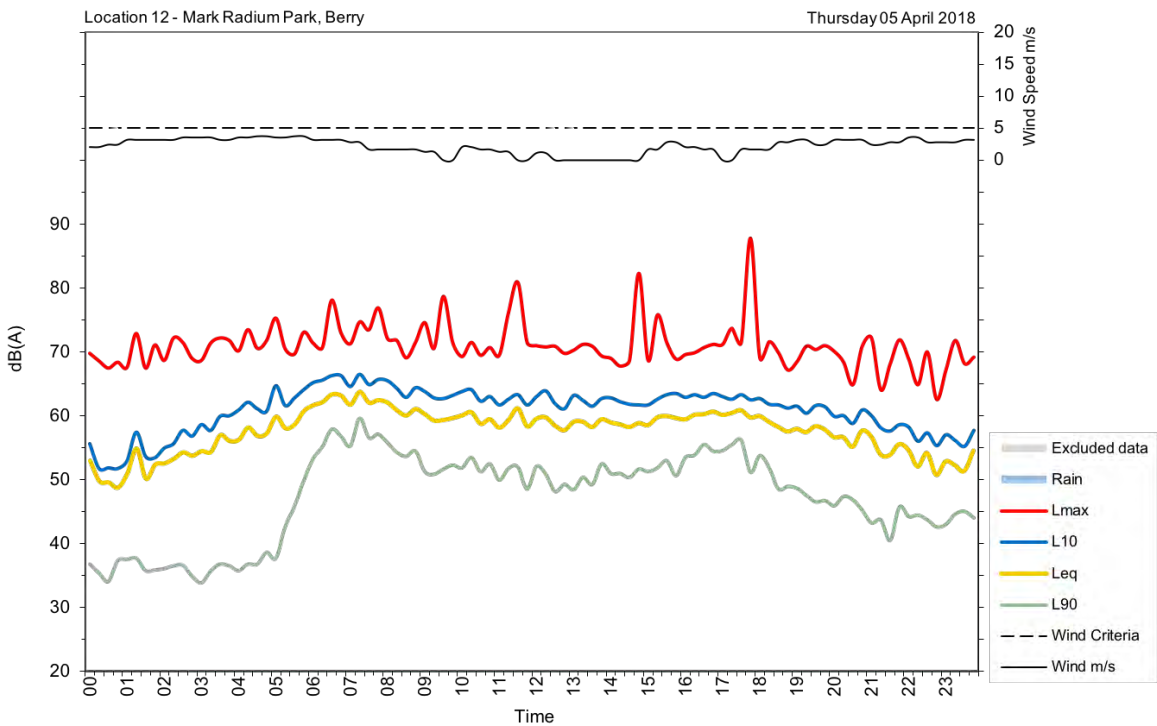
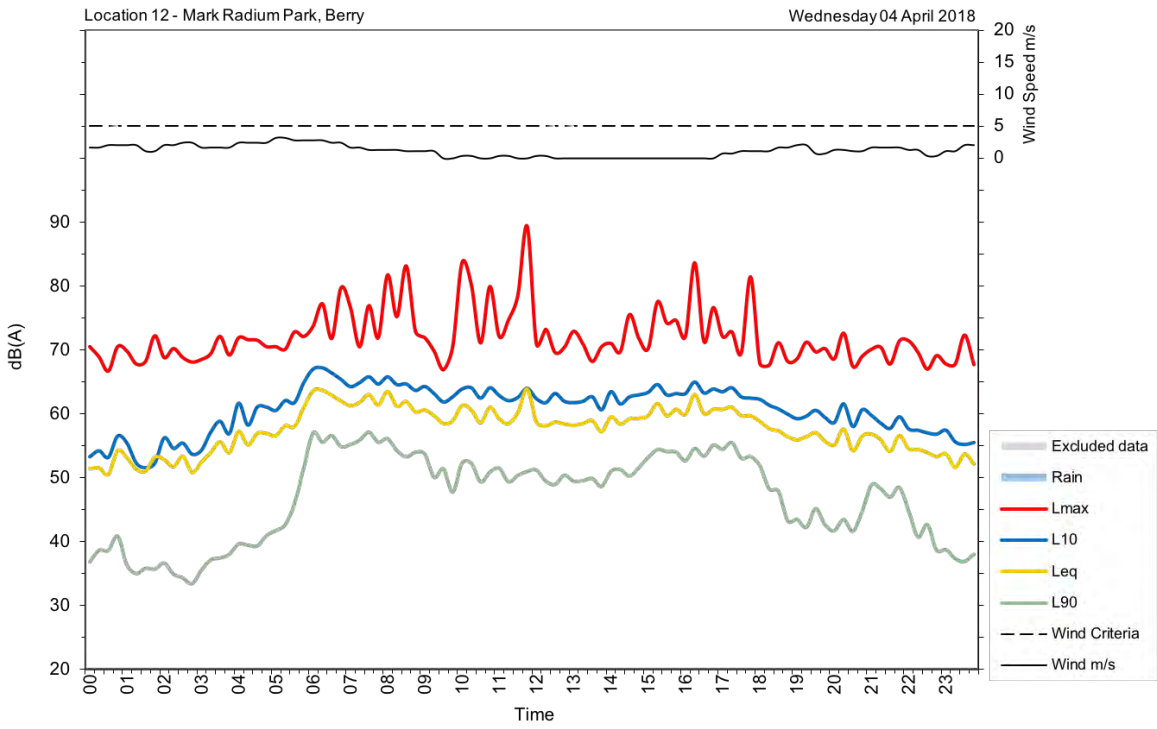


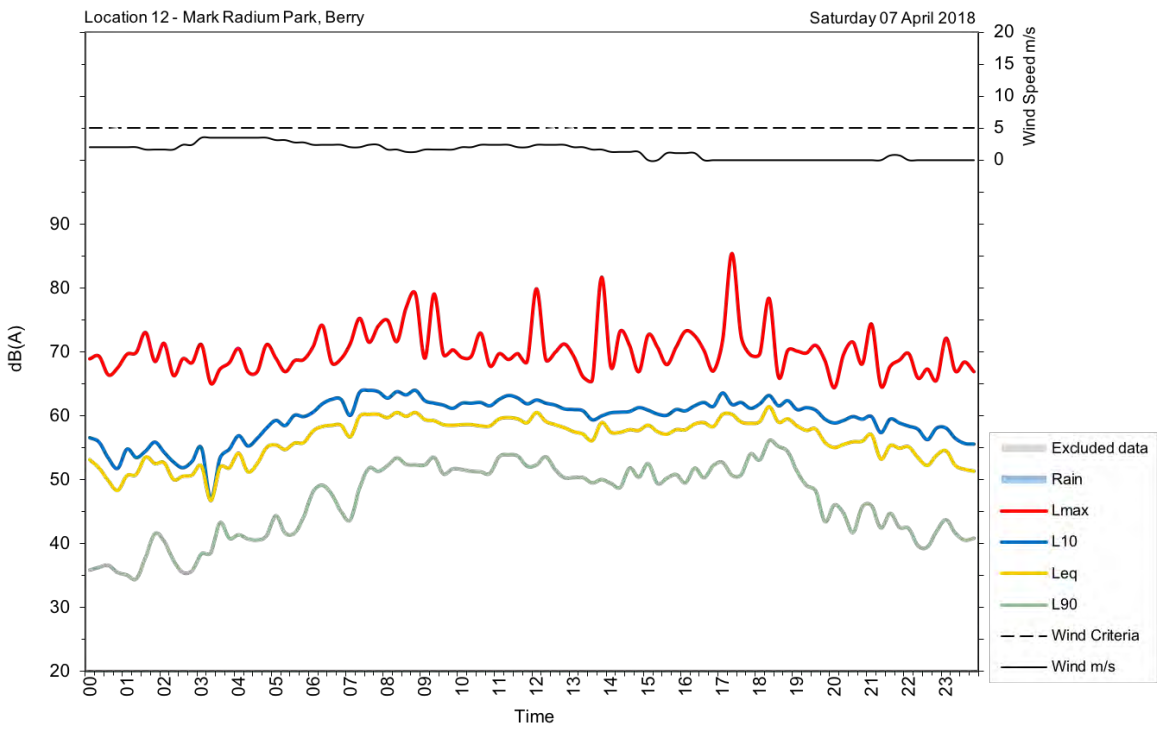
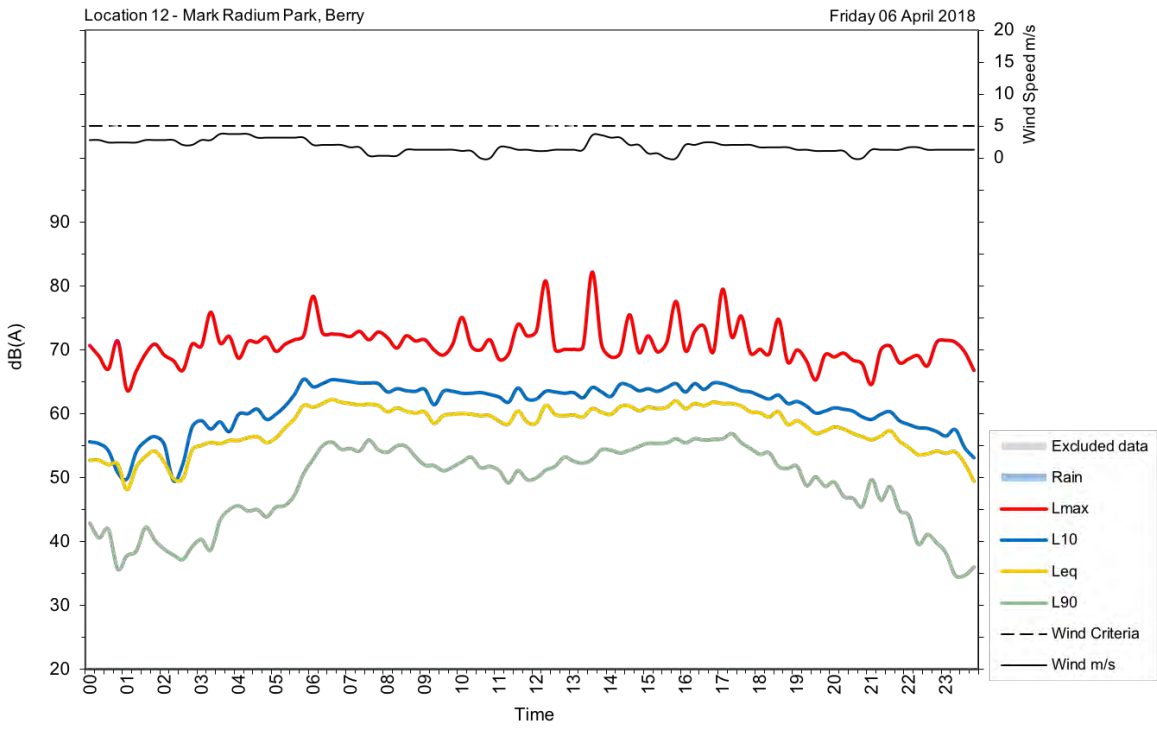


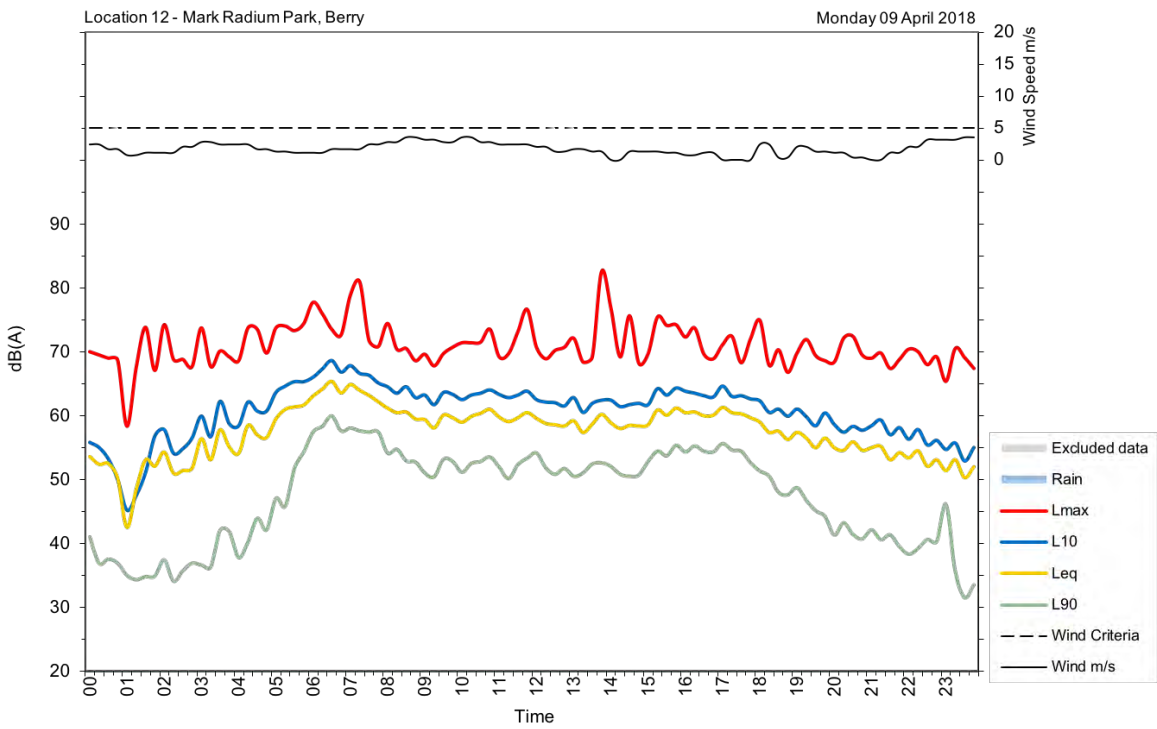
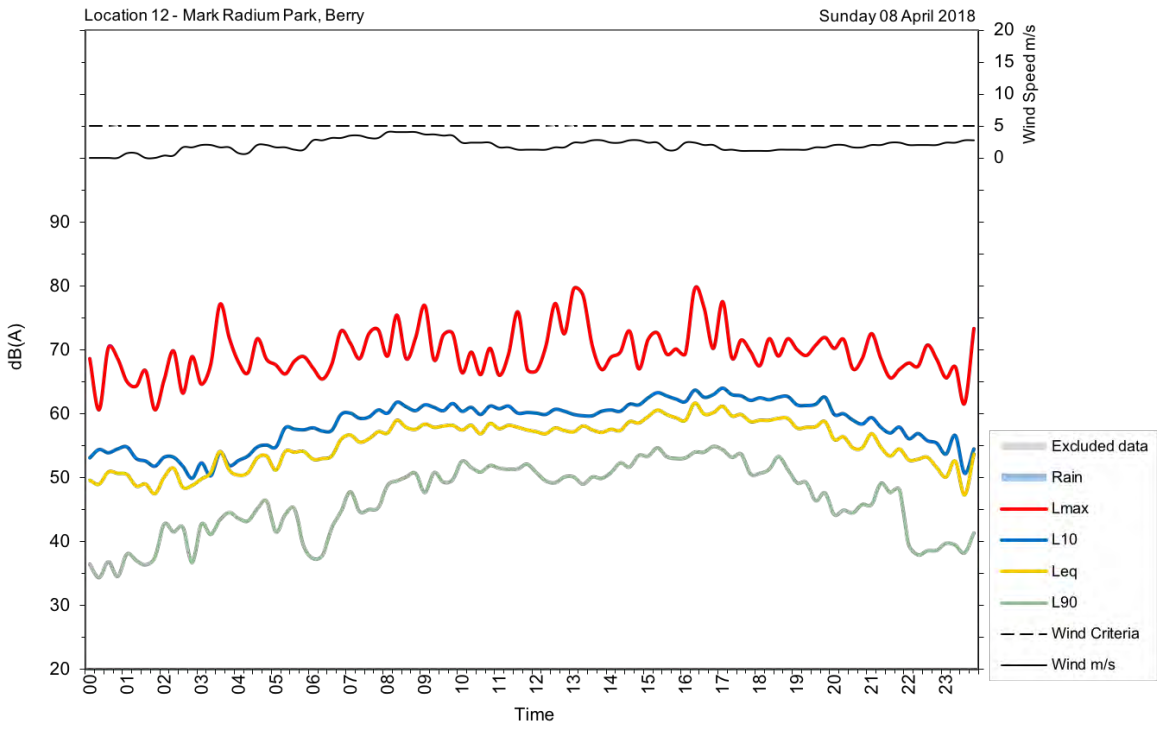




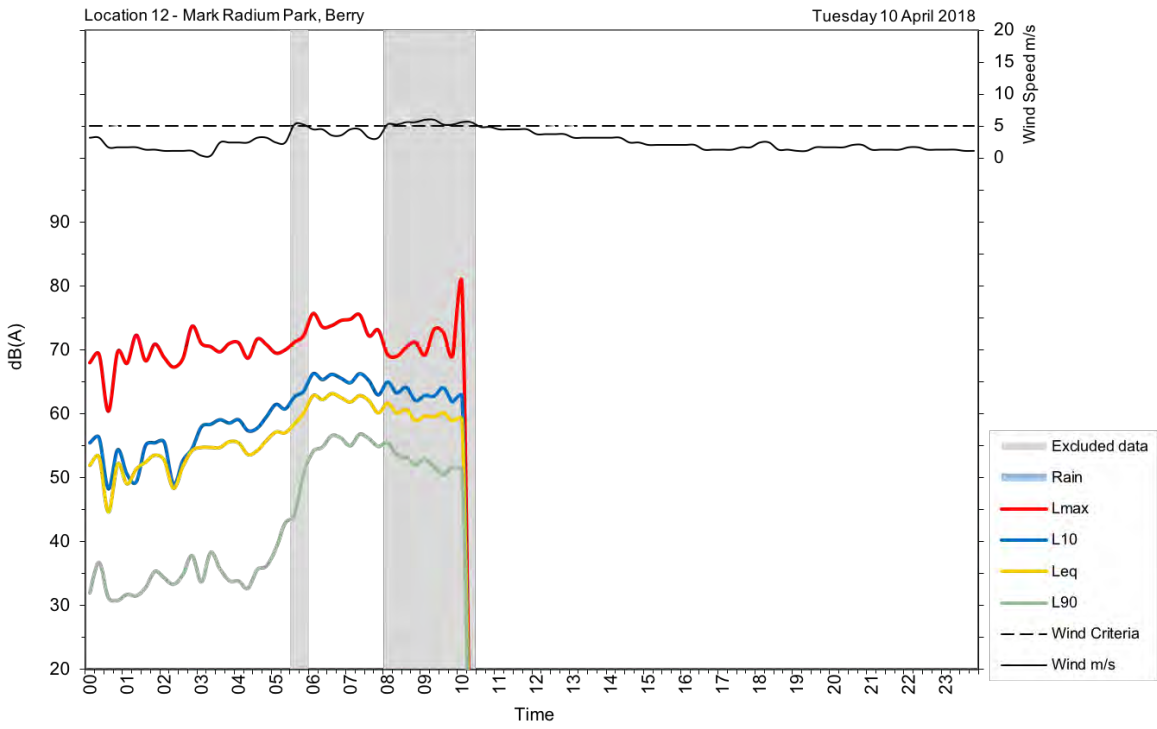










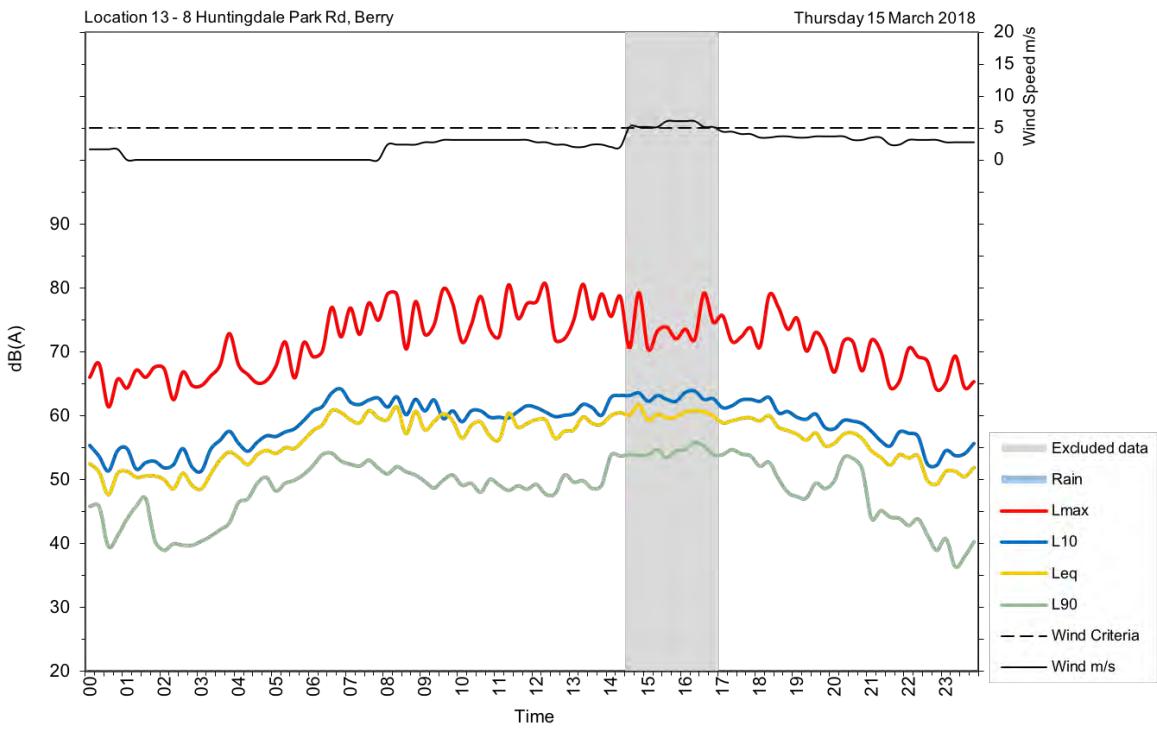
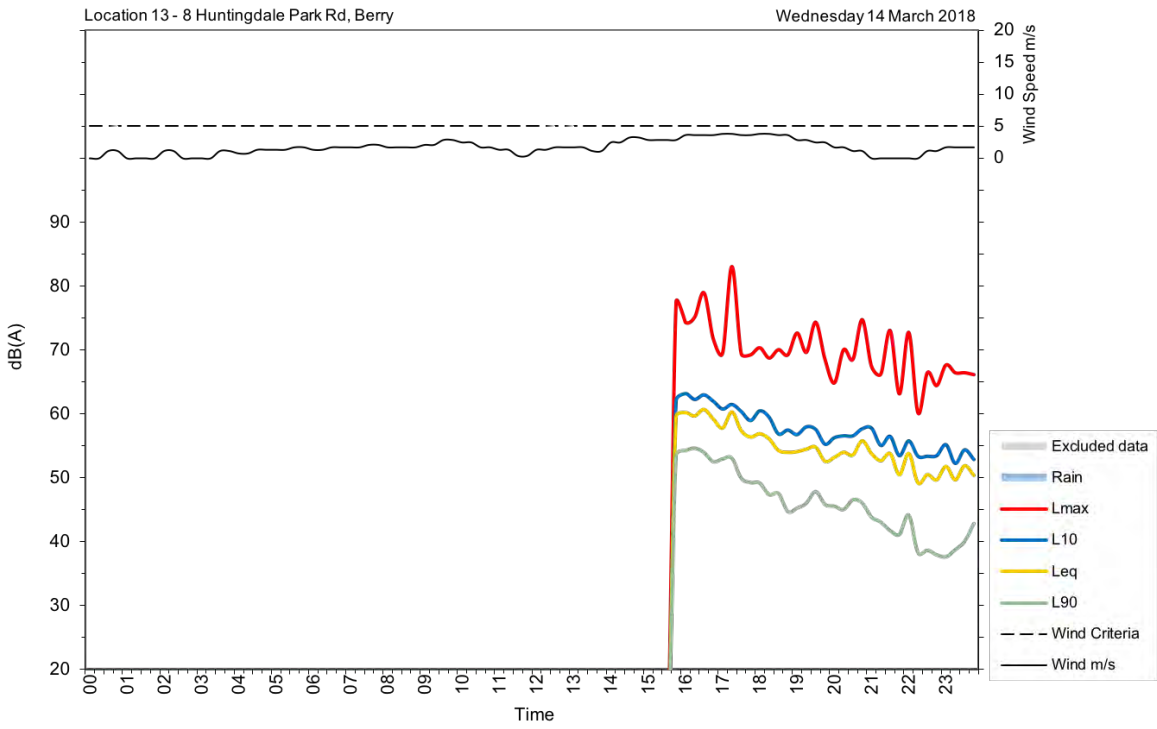


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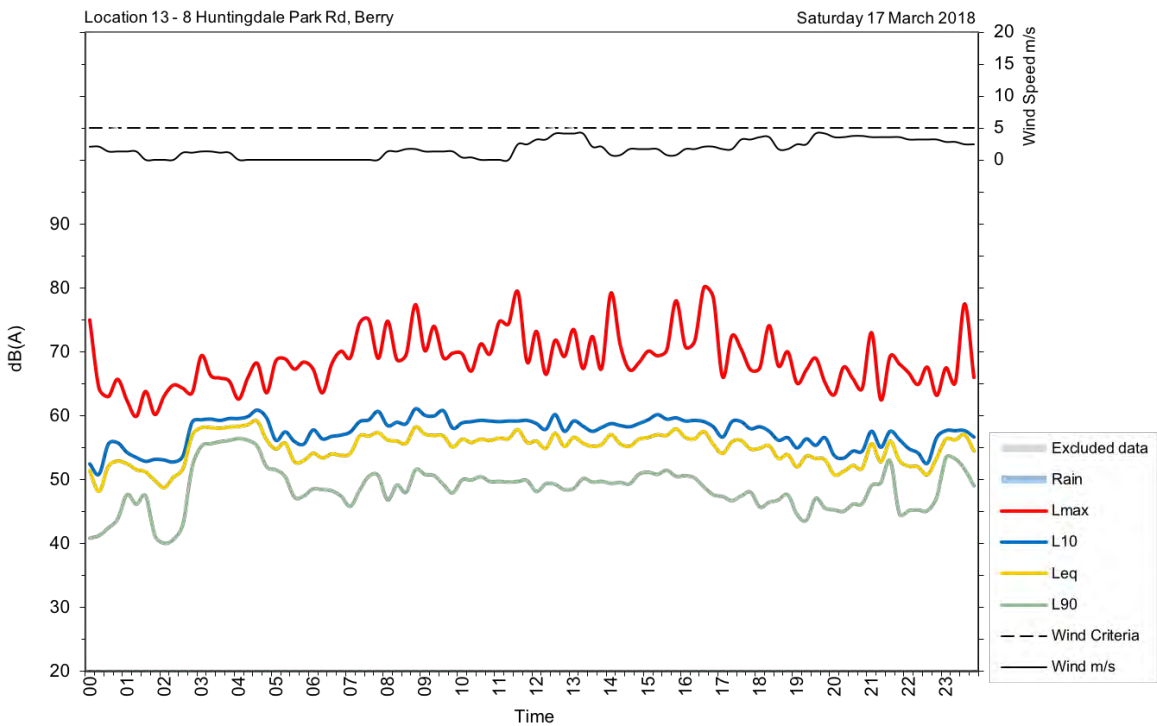
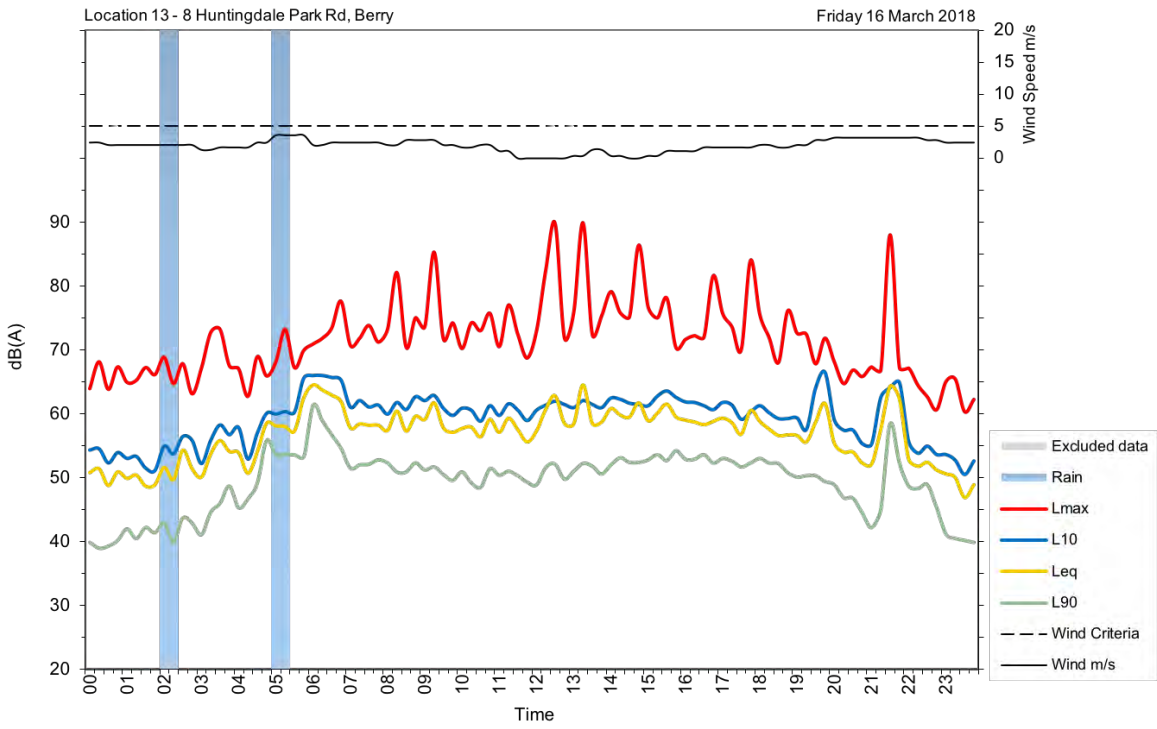
<b>Address/location</b>	8 Huntingdale Park Road, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Wednesday, 14 March 2018 to Sunday, 25 March 2018 Wednesday, 28 March 2018 to Tuesday, 10 April 2018

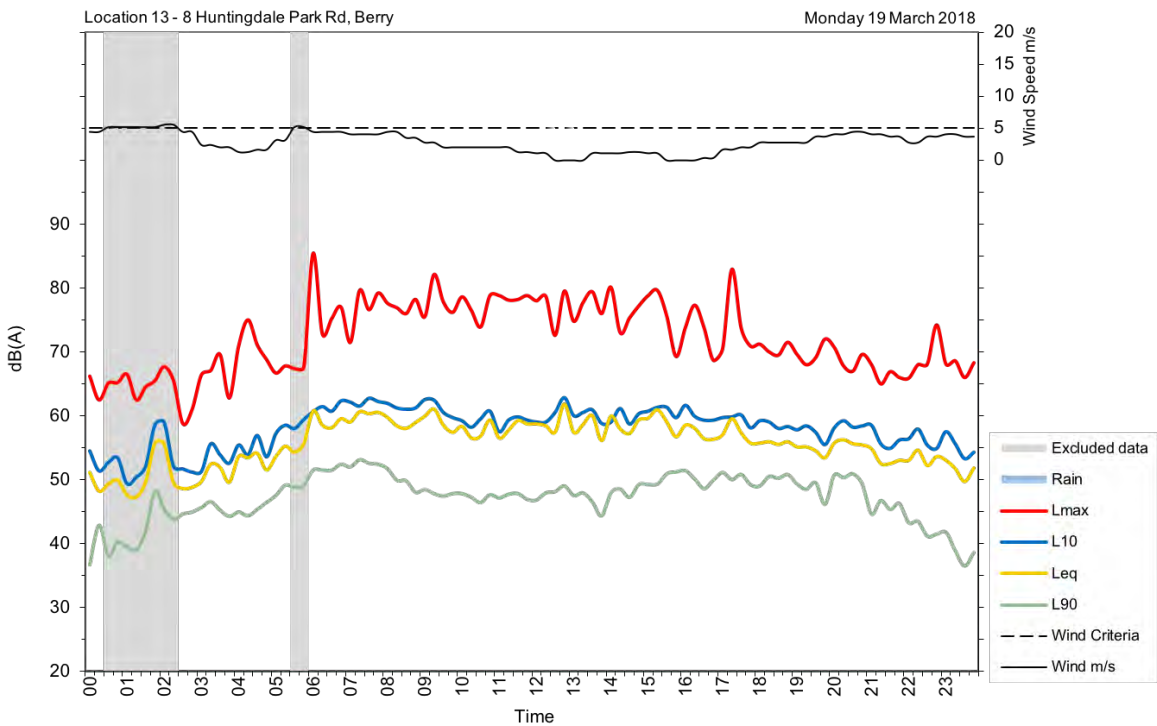
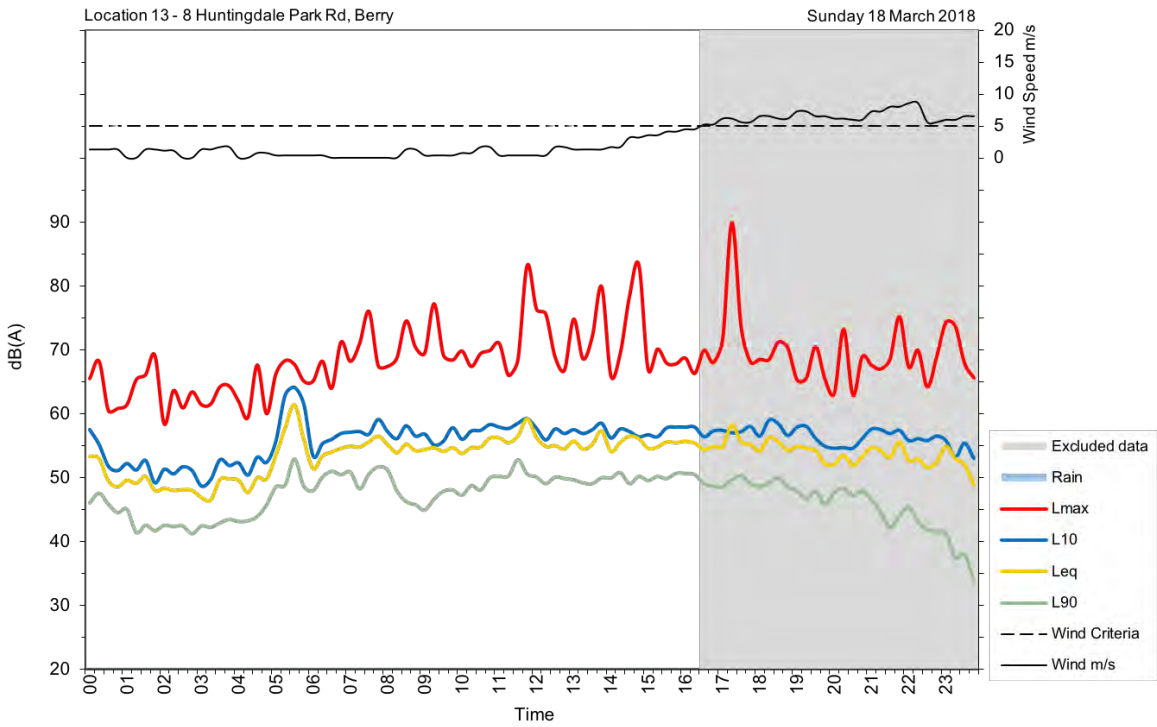


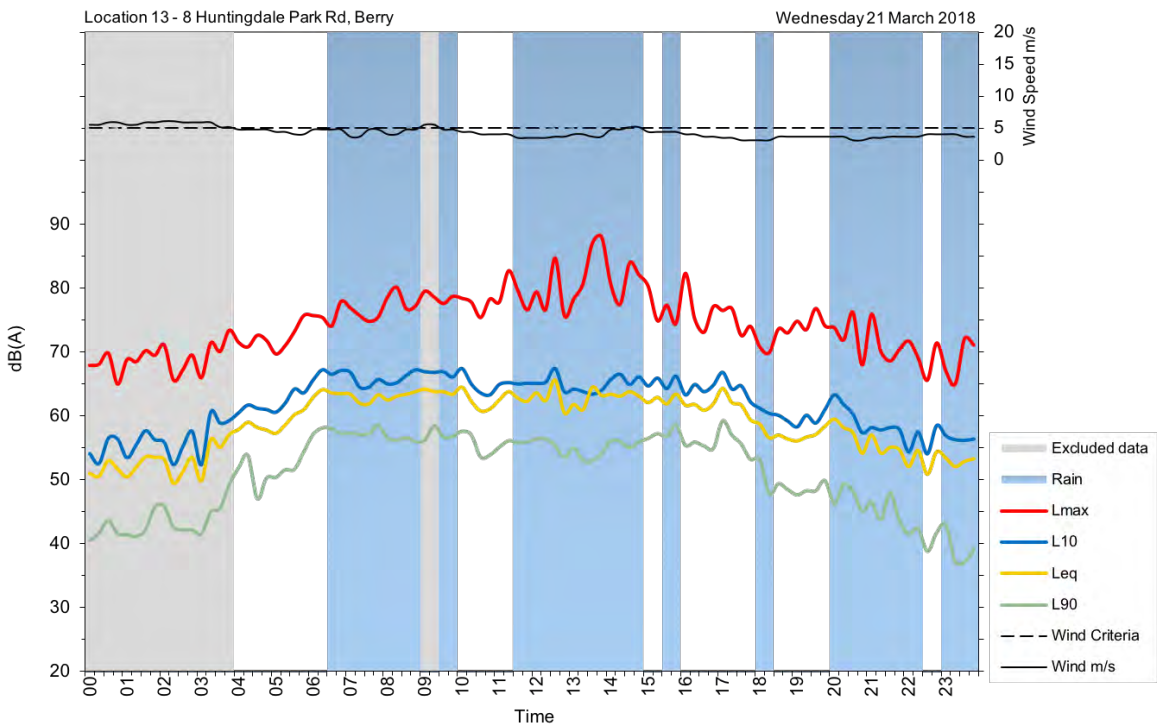
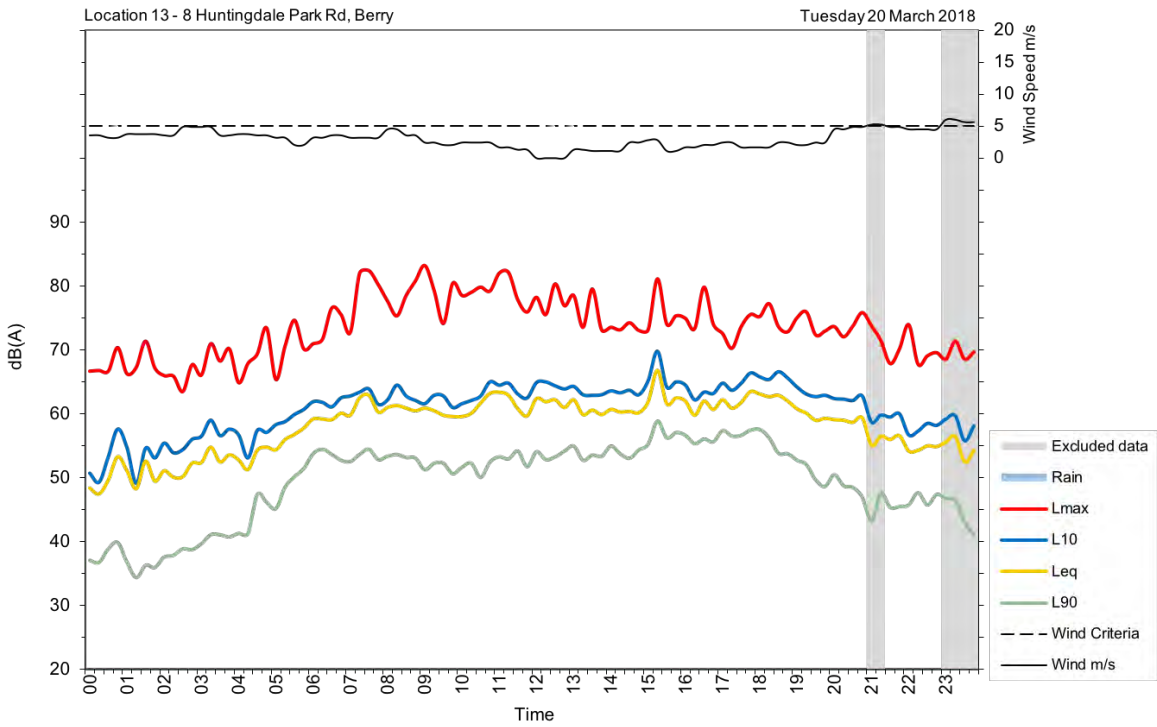
Date	Day, L <sub>Aeq</sub> (15-hour)	Night, L <sub>Aeq</sub> (9-hour)
Wednesday, 14 March 2018	56	54
Thursday, 15 March 2018	58	57
Friday, 16 March 2018	58	53
Saturday, 17 March 2018	56	53
Sunday, 18 March 2018	55	54
Monday, 19 March 2018	57	54
Tuesday, 20 March 2018	61	60
Wednesday, 21 March 2018	61	55
Thursday, 22 March 2018	60	55
Friday, 23 March 2018	59	51
Saturday, 24 March 2018	55	51
Sunday, 25 March 2018	55	
Monday, 26 March 2018		
Tuesday, 27 March 2018		
Wednesday, 28 March 2018	56	54
Thursday, 29 March 2018	59	53
Friday, 30 March 2018	56	49
Saturday, 31 March 2018	56	49
Sunday, 1 April 2018	56	49
Monday, 2 April 2018	57	54
Tuesday, 3 April 2018	58	54
Wednesday, 4 April 2018	57	54
Thursday, 5 April 2018	59	54
Friday, 6 April 2018	58	51
Saturday, 7 April 2018	57	49
Sunday, 8 April 2018	54	55
Monday, 9 April 2018	57	53
Tuesday, 10 April 2018	58	
<b>Overall</b>	<b>58</b>	<b>54</b>

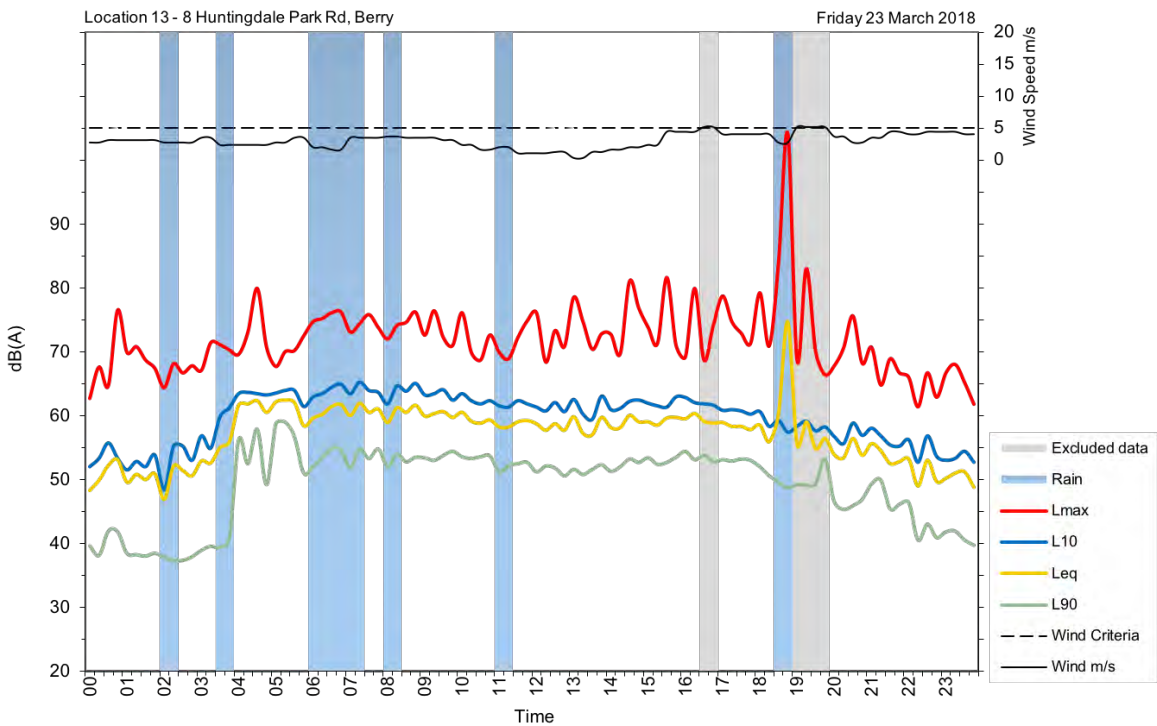
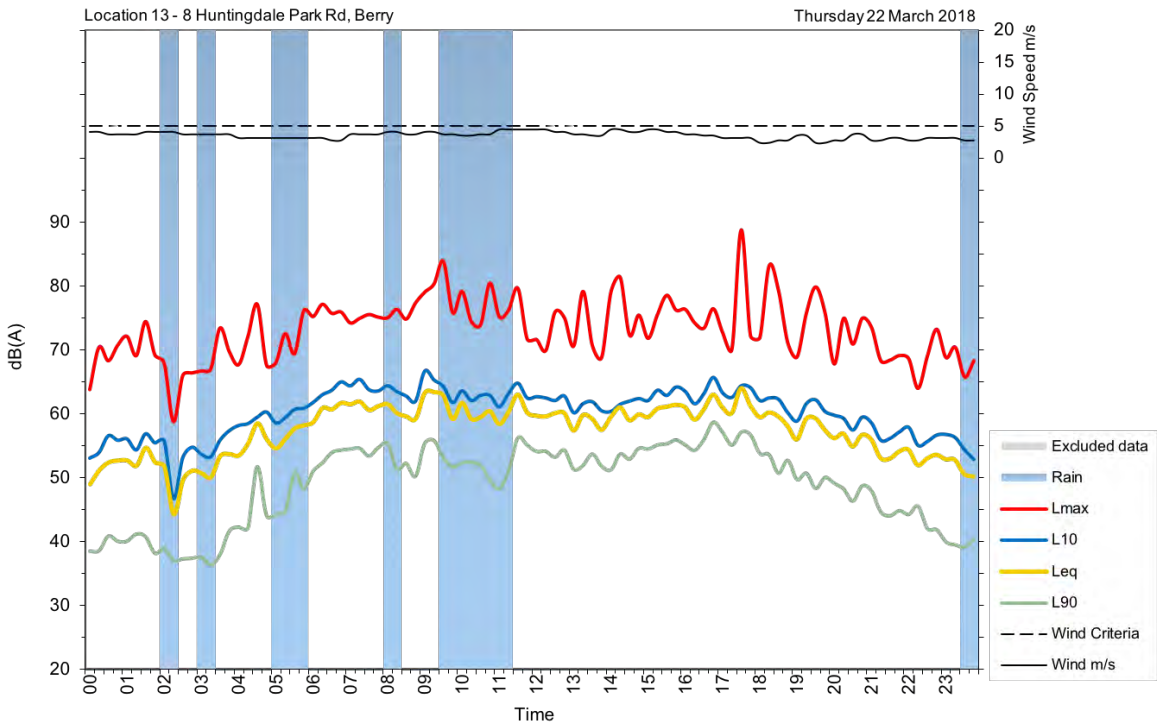


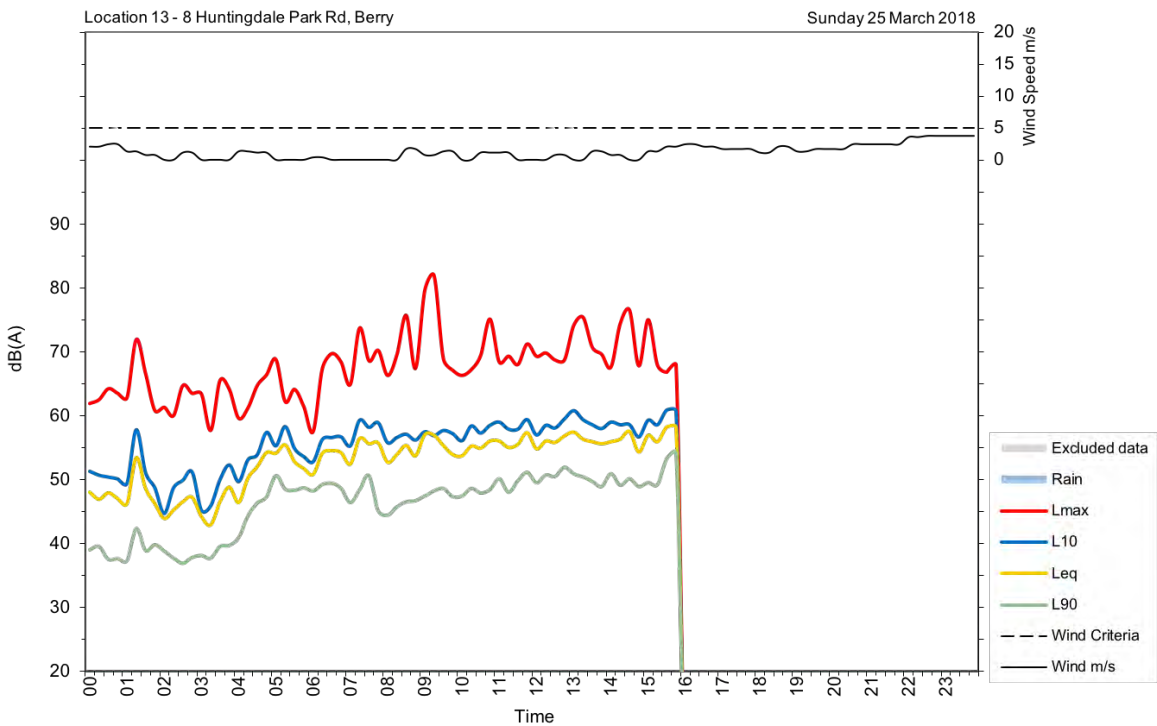
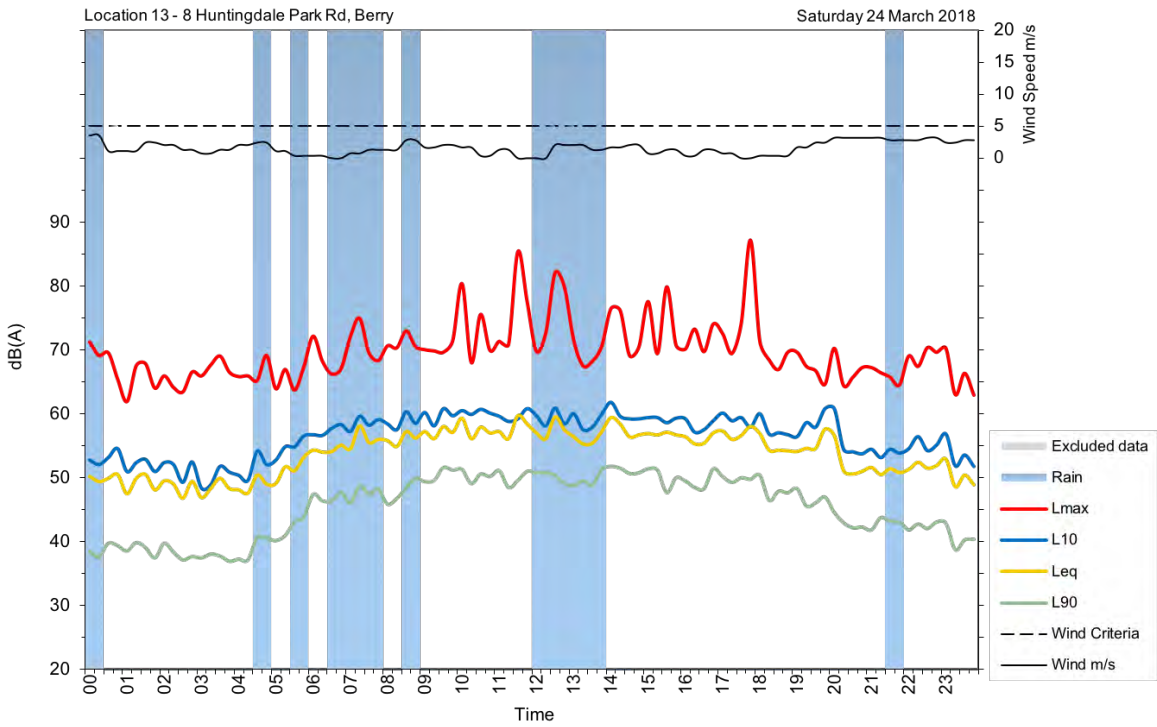




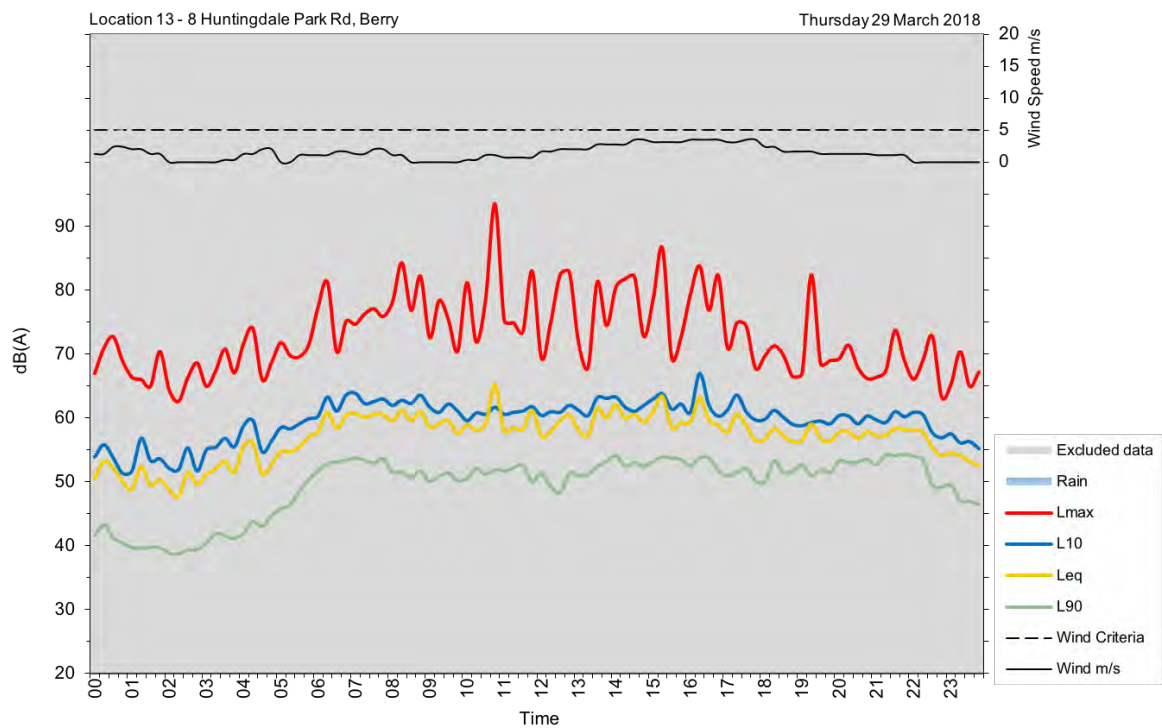
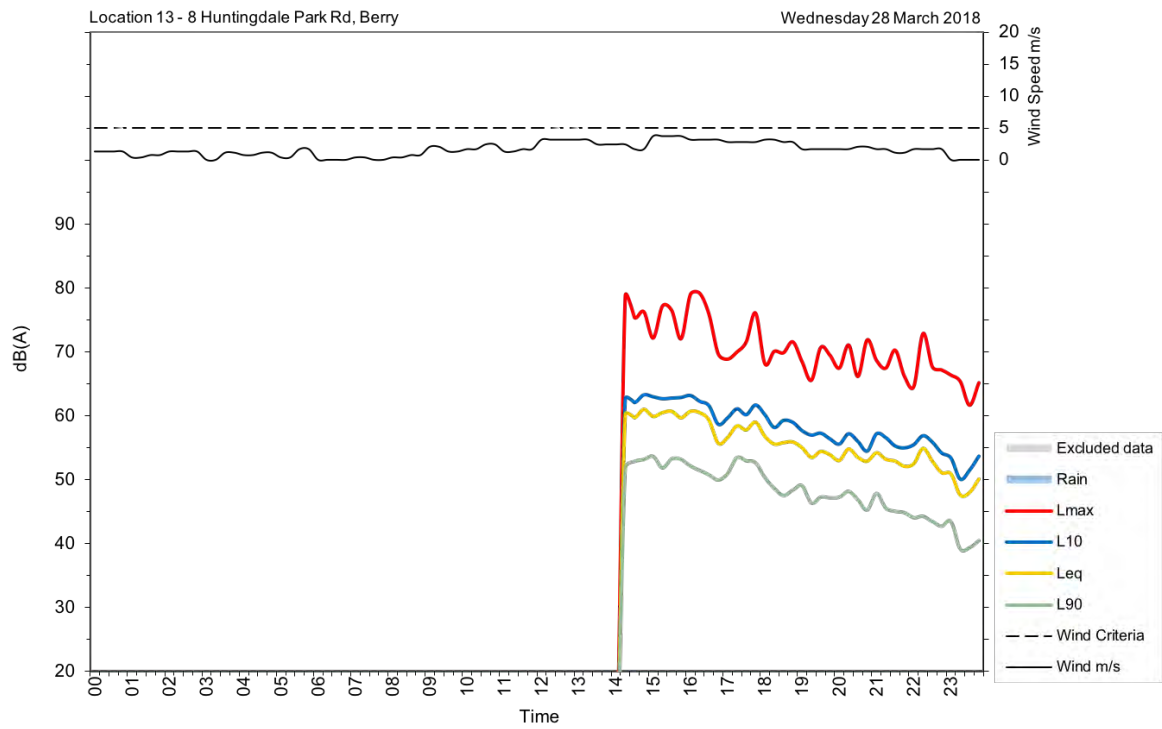


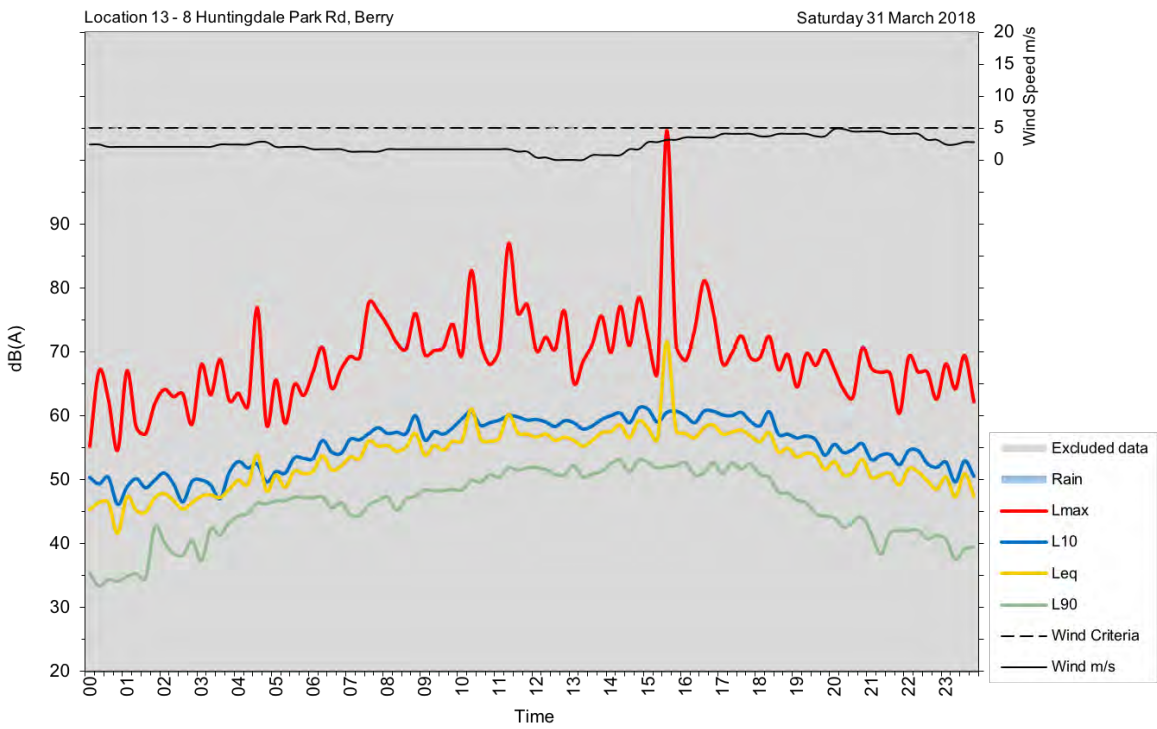
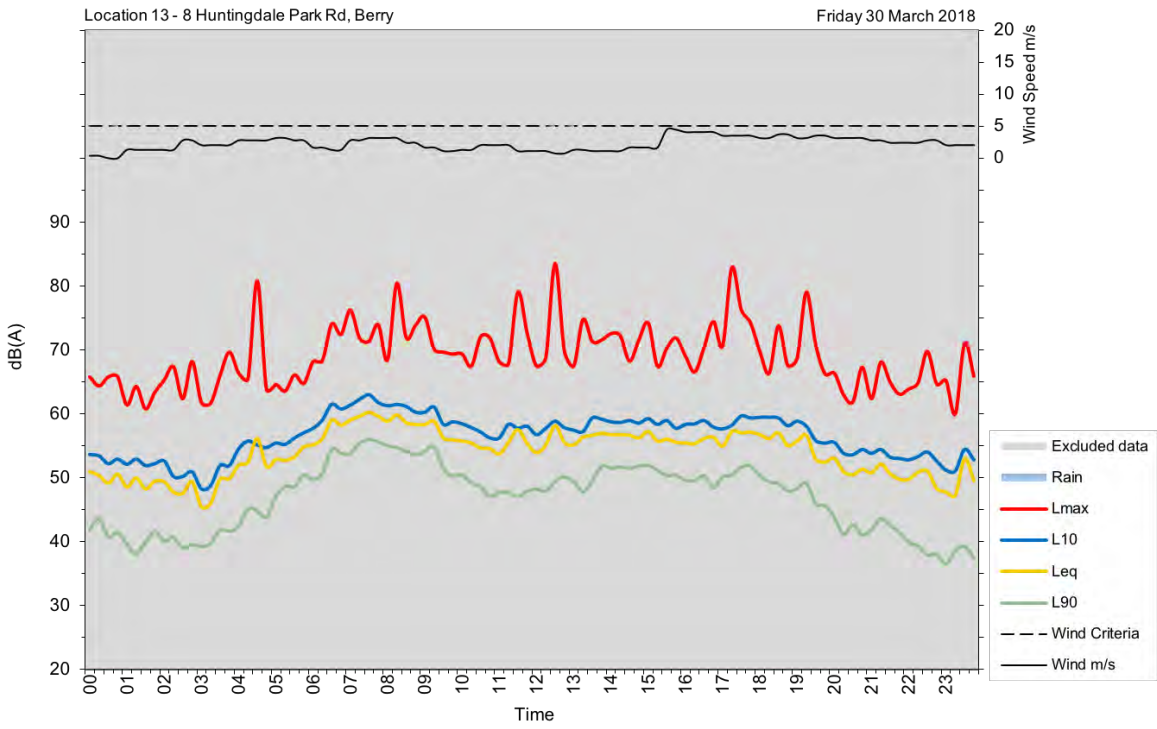


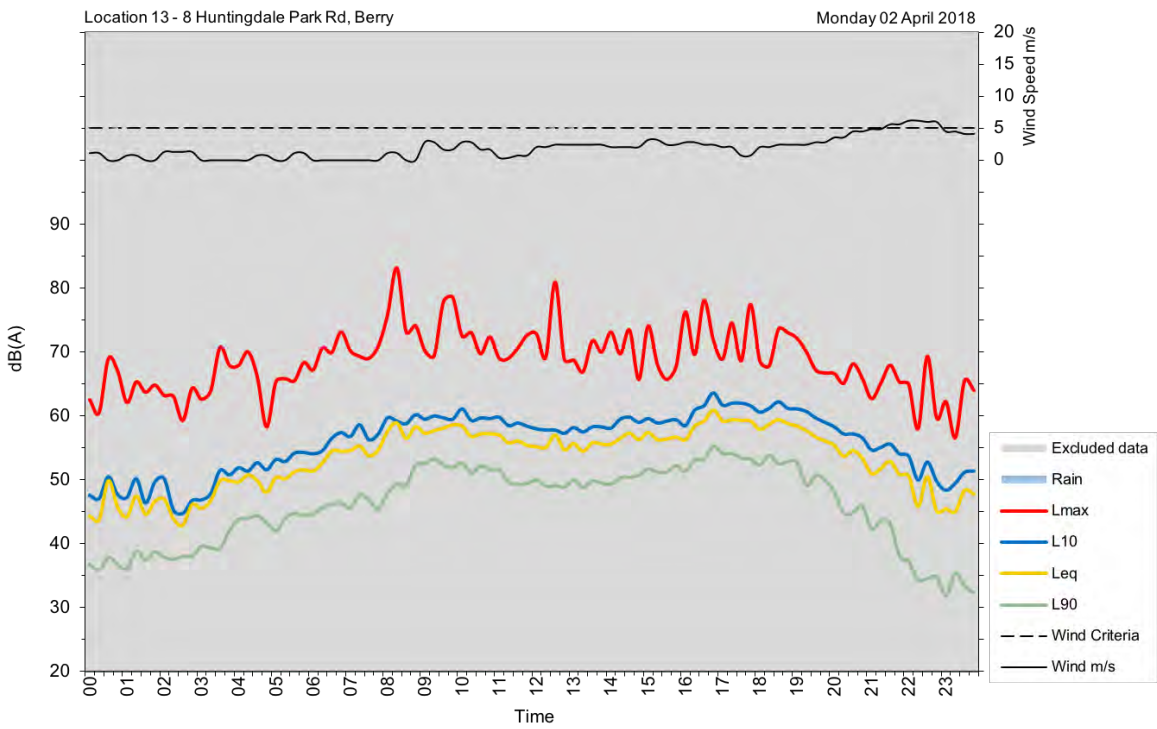
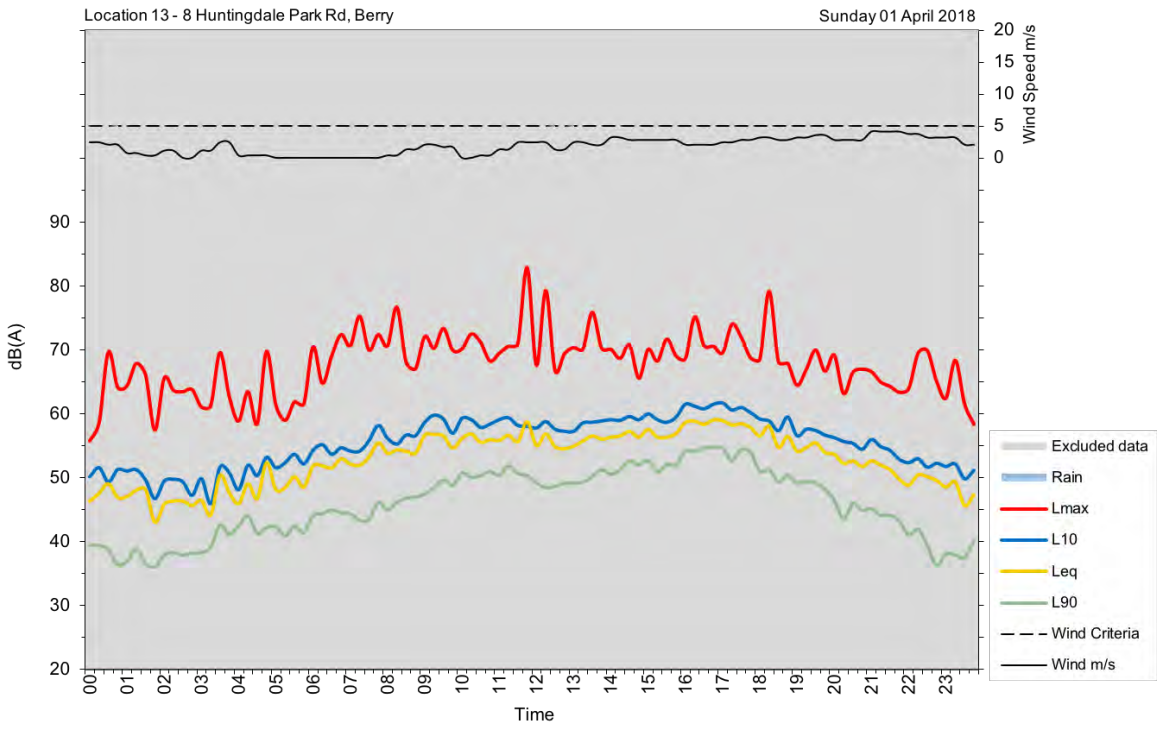


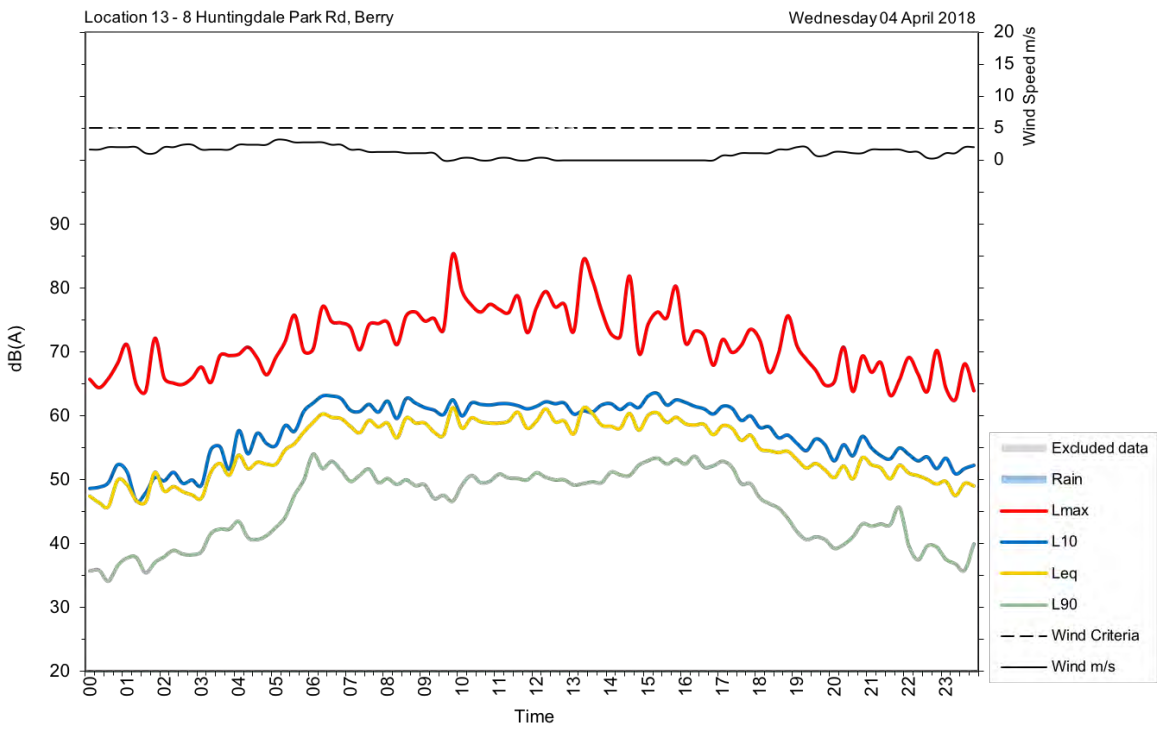
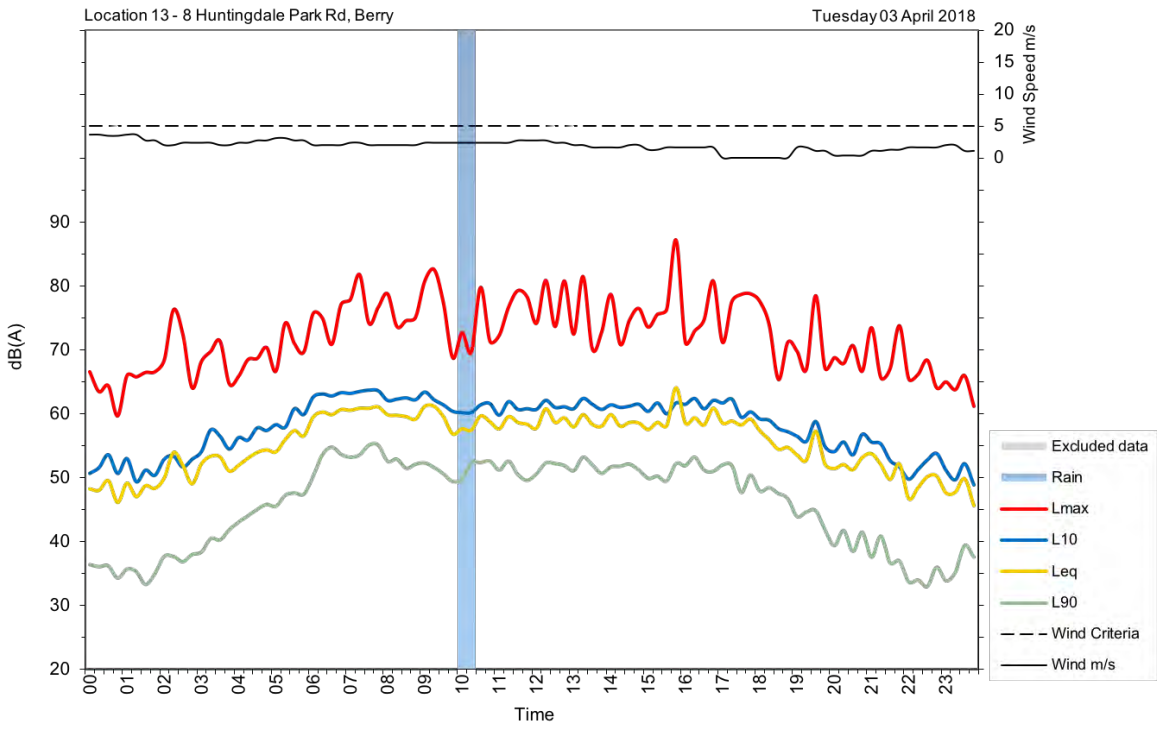


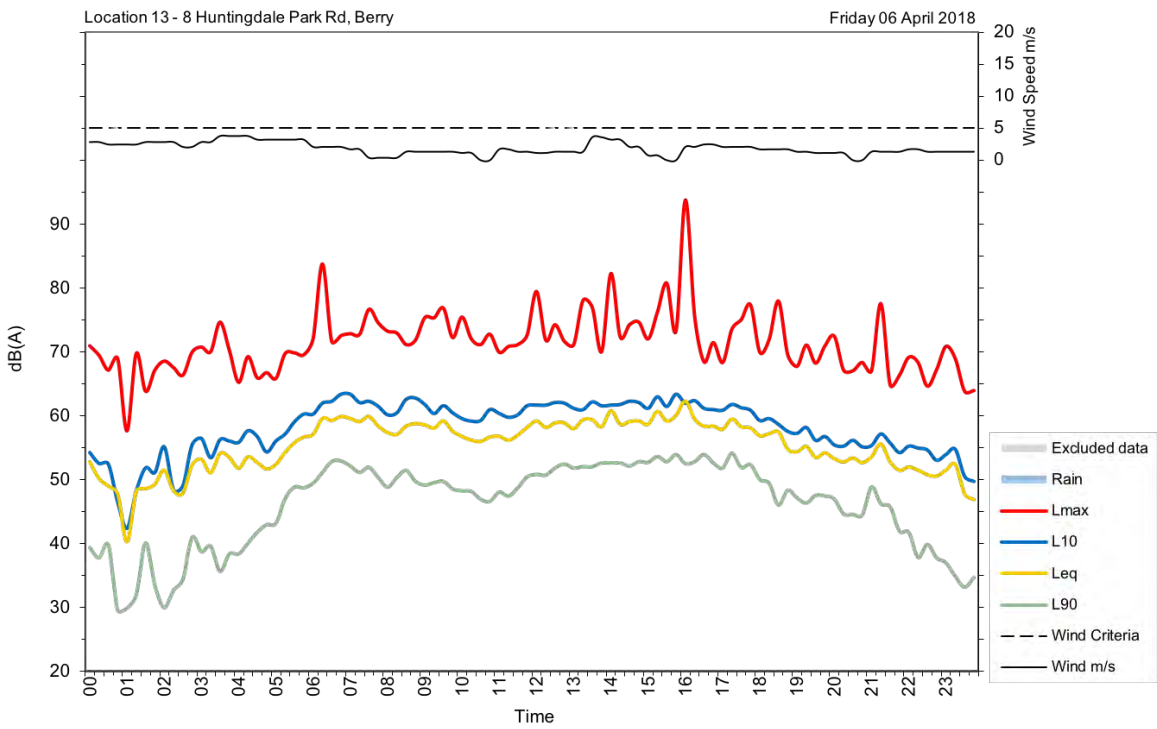
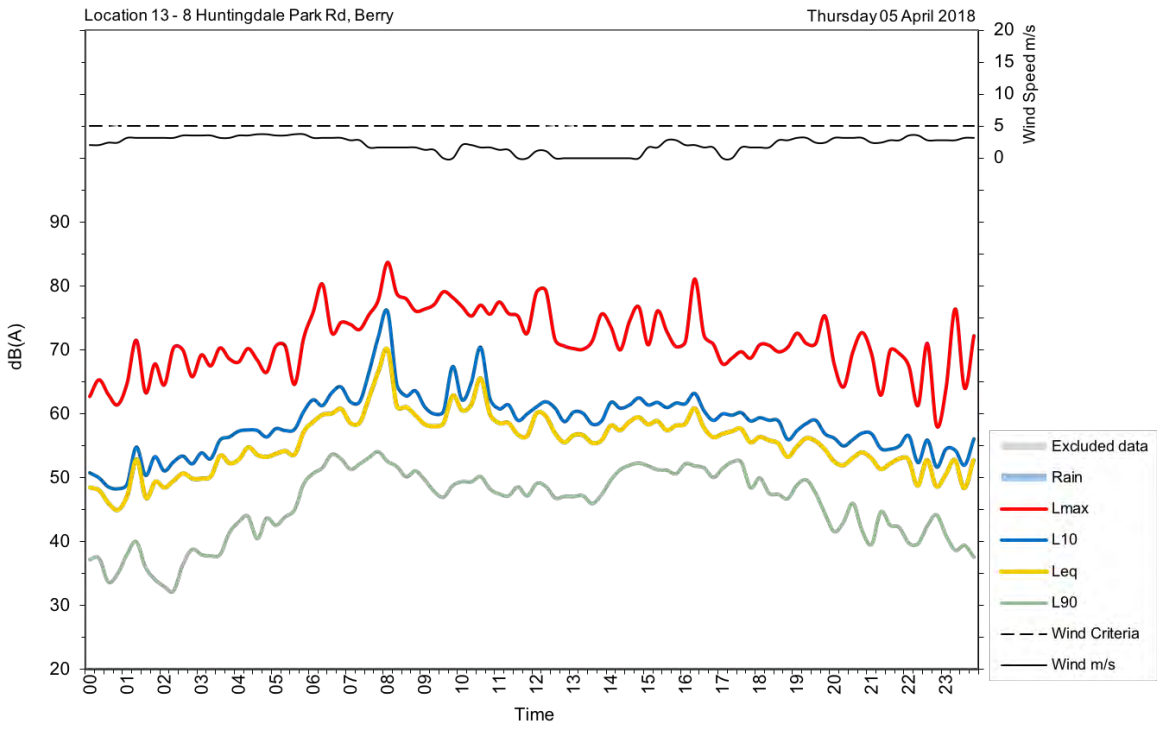




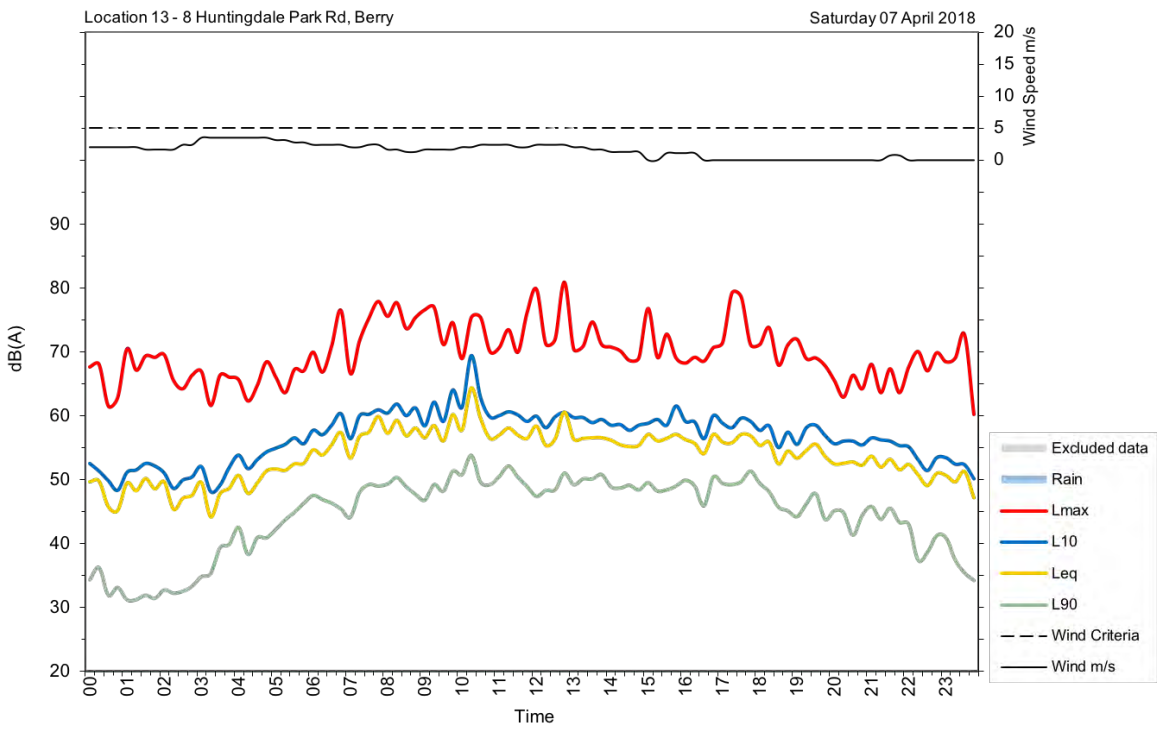
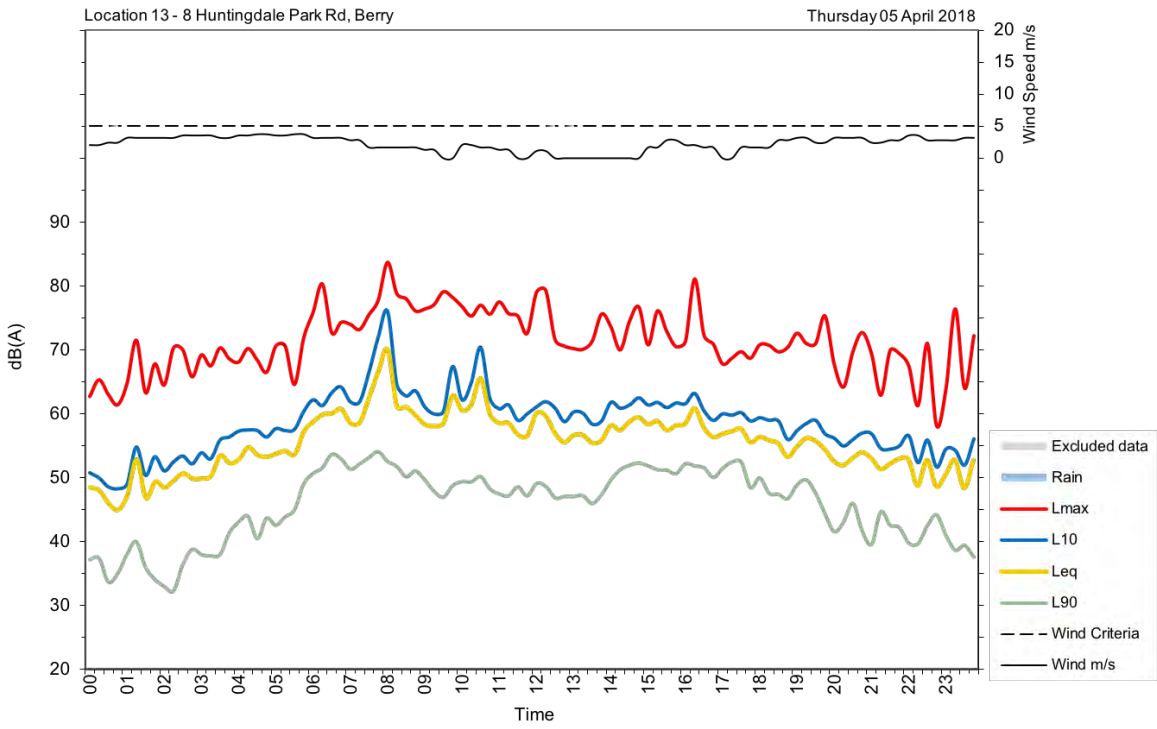


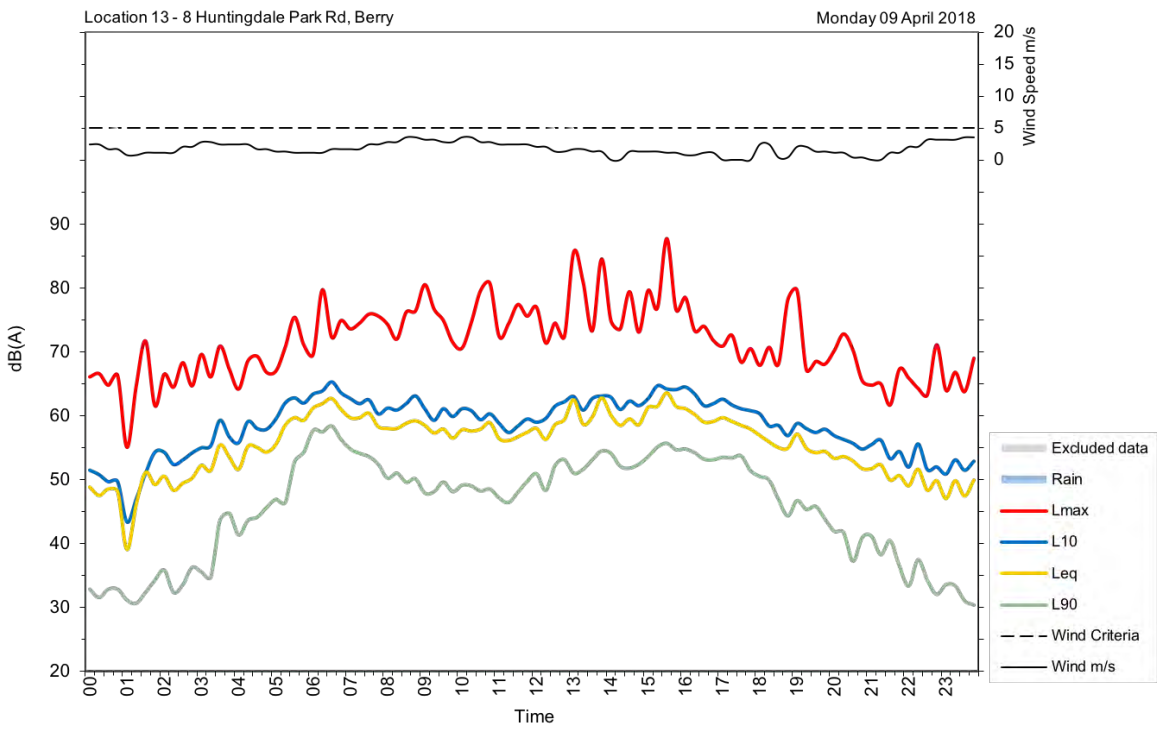
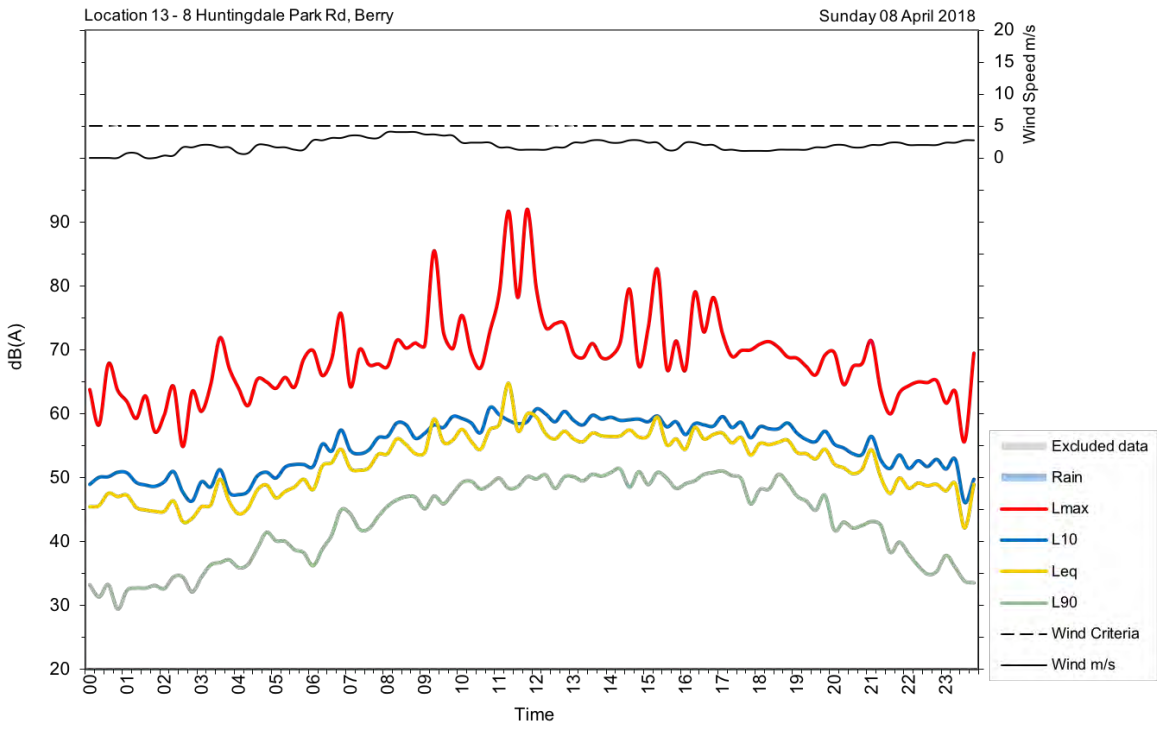


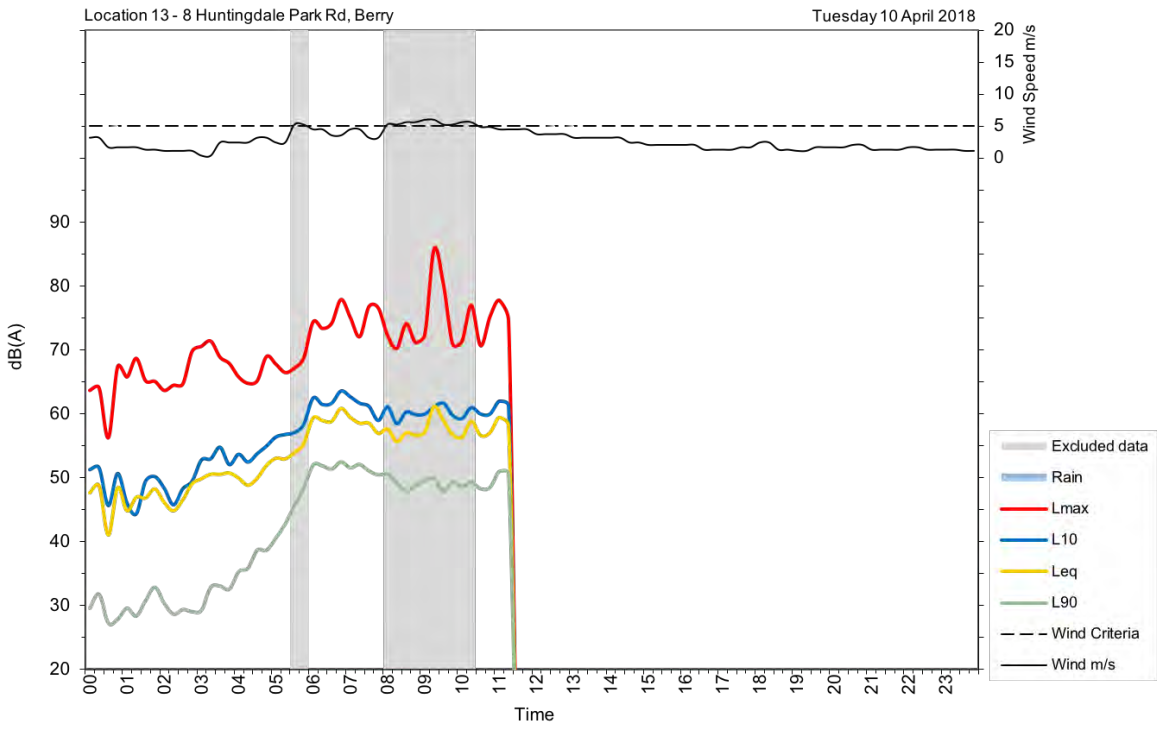












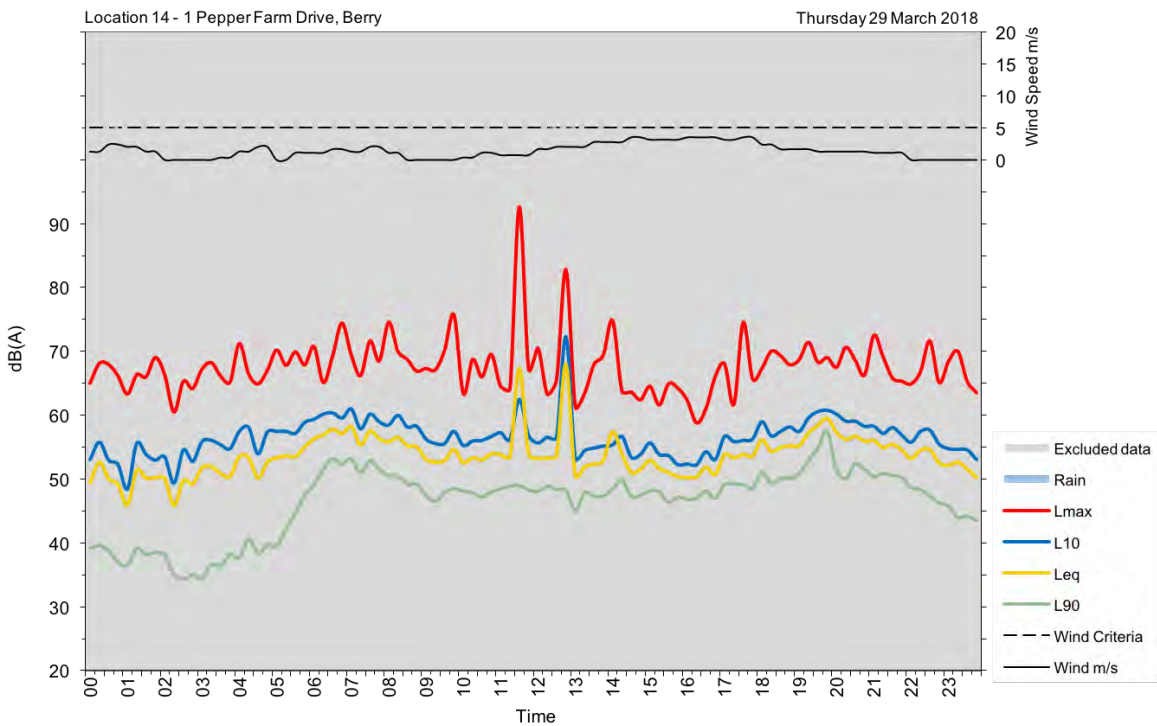
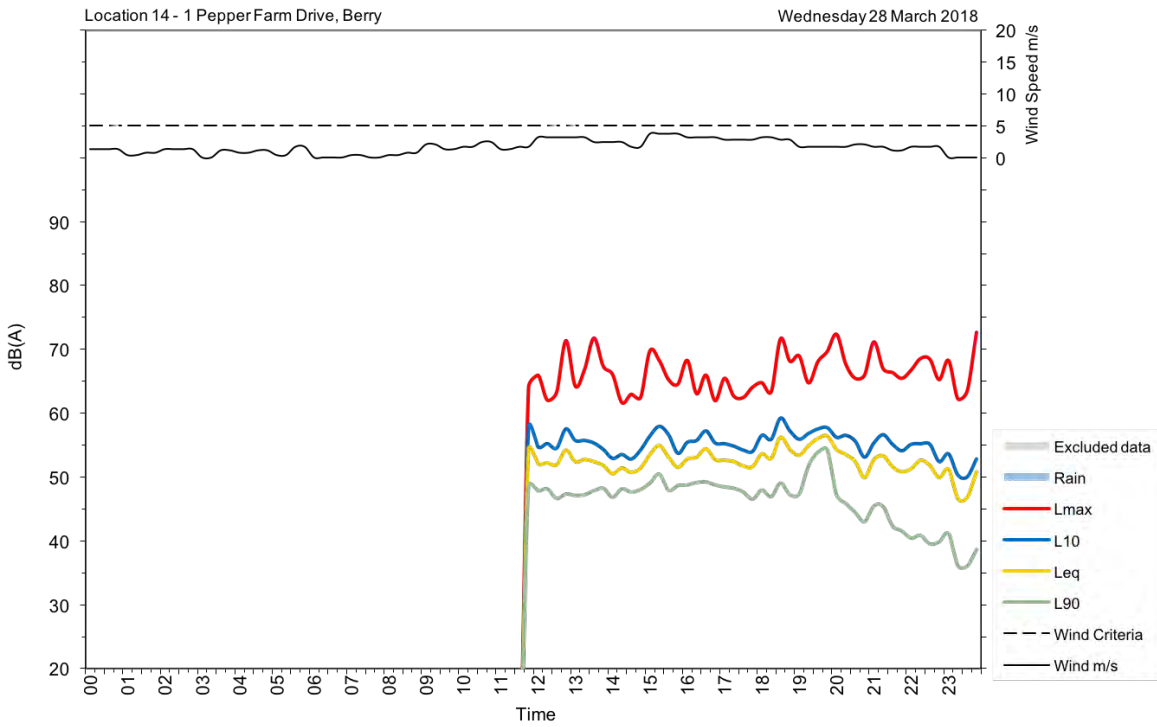
U14a

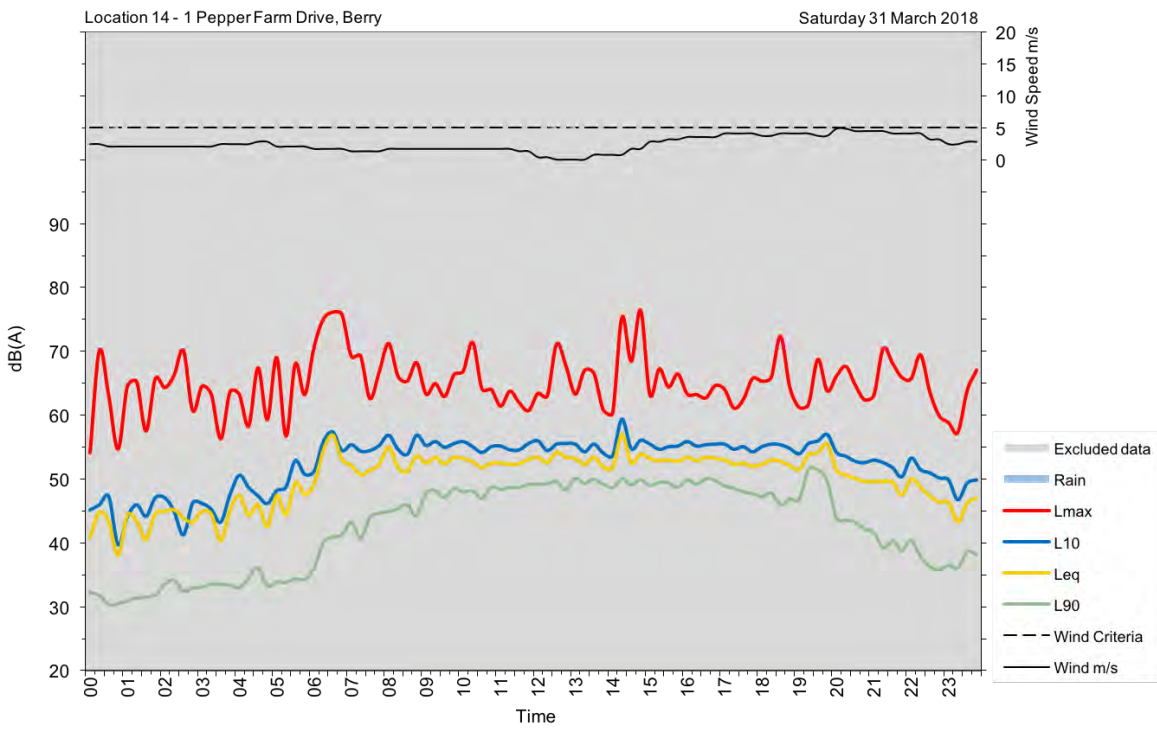
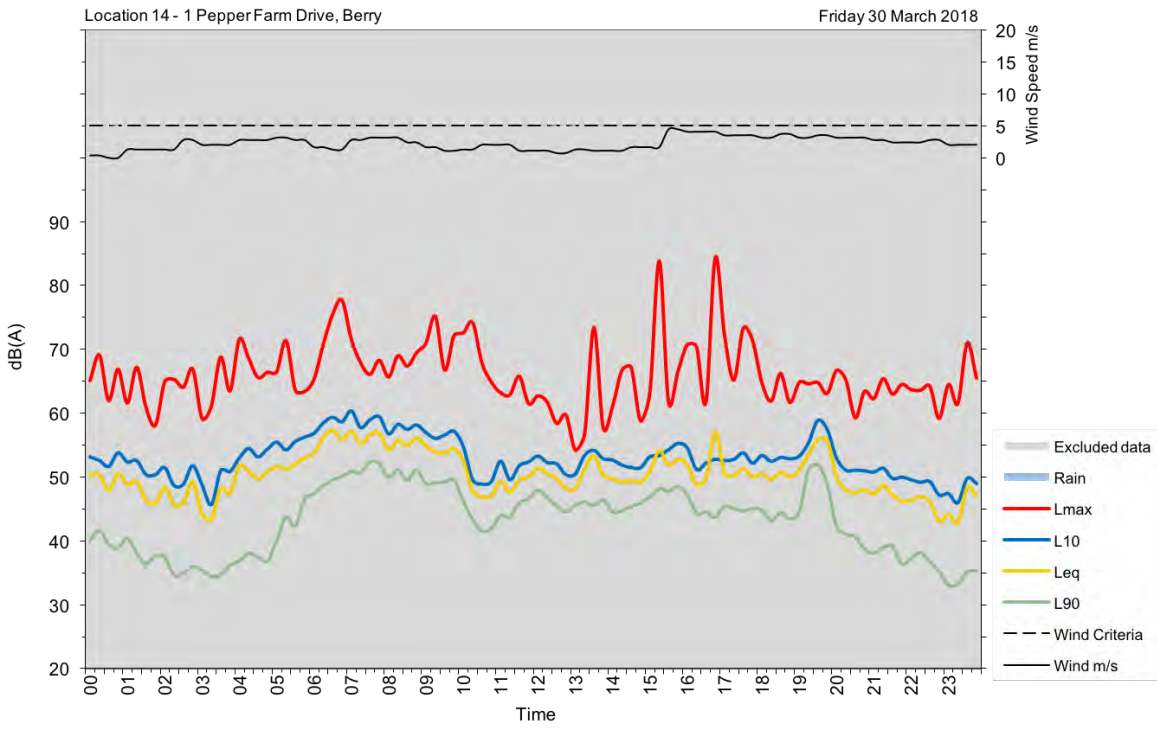
Address/location	1 Pepper Farm Drive, Berry
Measurement location	Free-field
Measurement details	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
Logging period	Wednesday, 28 March 2018 to Tuesday, 10 April 2018

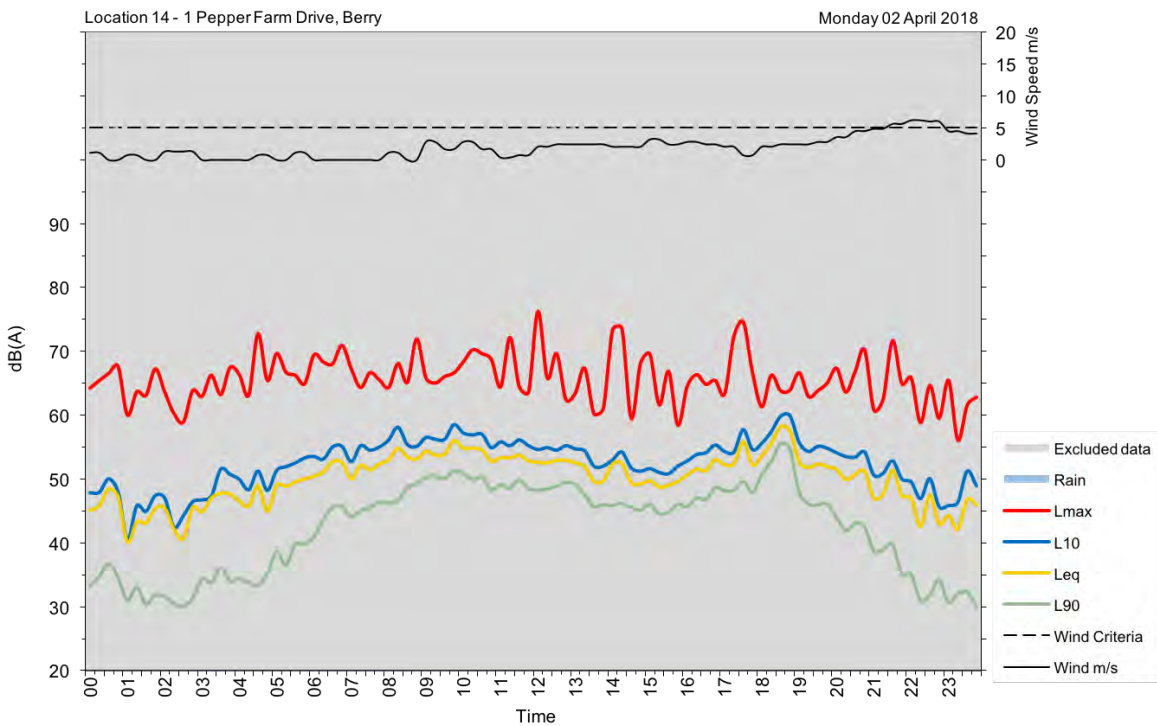
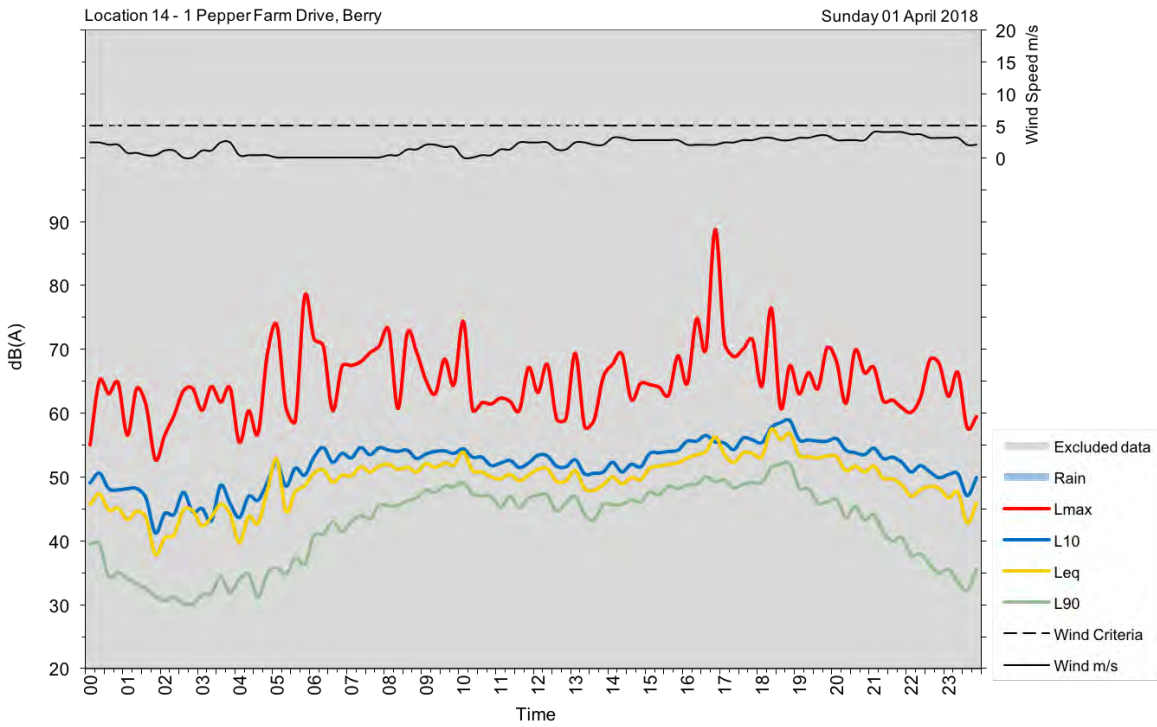


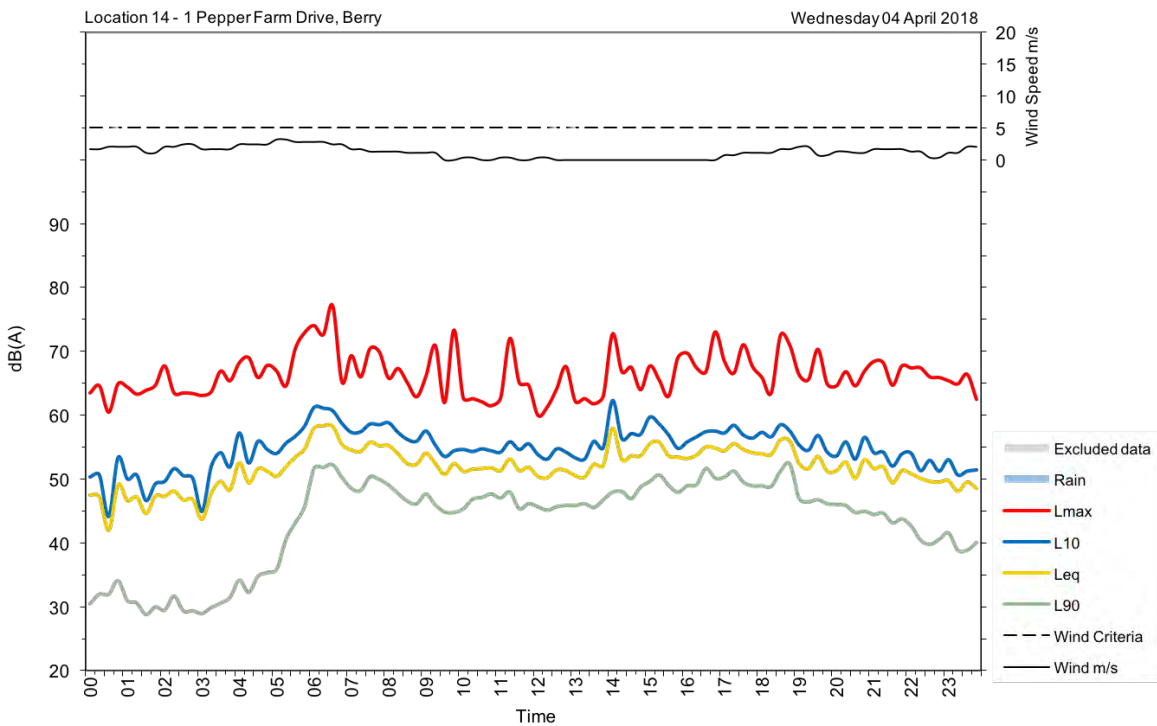
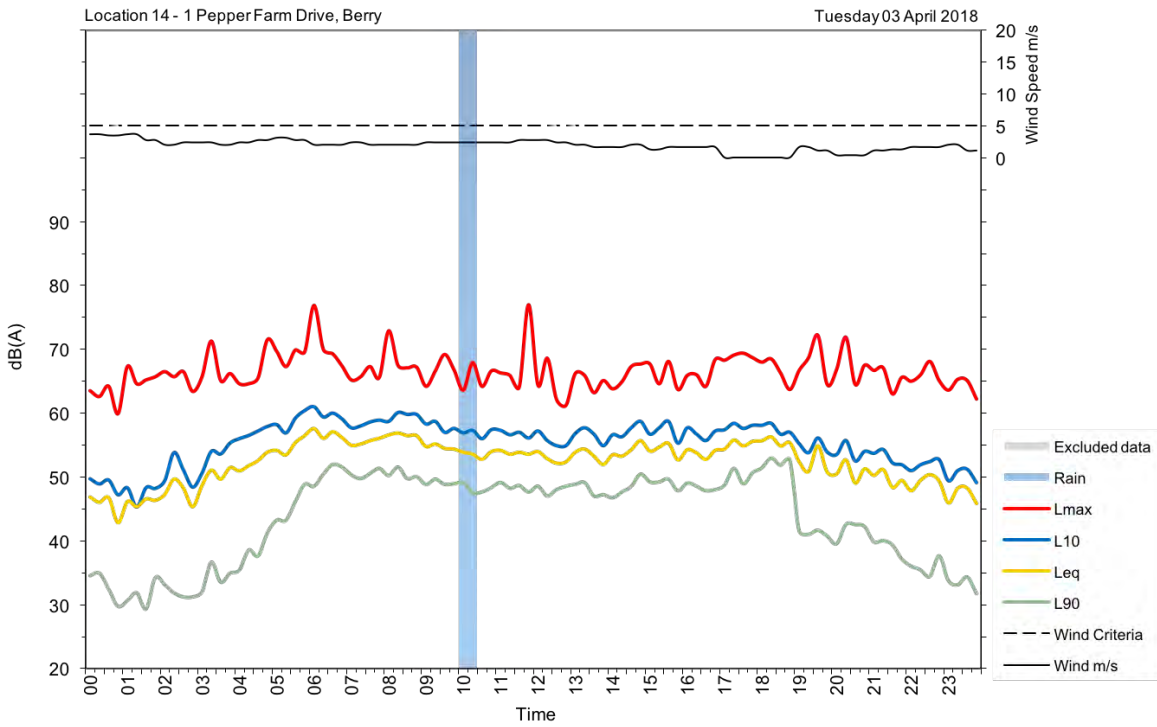
<b>Date</b>	<b>Day, L<sub>Aeq</sub>(15-hour)</b>	<b>Night, L<sub>Aeq</sub>(9-hour)</b>
Wednesday, 28 March 2018	53	52
Thursday, 29 March 2018	55	51
Friday, 30 March 2018	53	44
Saturday, 31 March 2018	52	46
Sunday, 1 April 2018	52	48
Monday, 2 April 2018	52	52
Tuesday, 3 April 2018	54	51
Wednesday, 4 April 2018	53	53
Thursday, 5 April 2018	53	52
Friday, 6 April 2018	53	49
Saturday, 7 April 2018	52	46
Sunday, 8 April 2018	51	49
Monday, 9 April 2018	53	52
Tuesday, 10 April 2018	55	
<b>Overall</b>	<b>53</b>	<b>51</b>

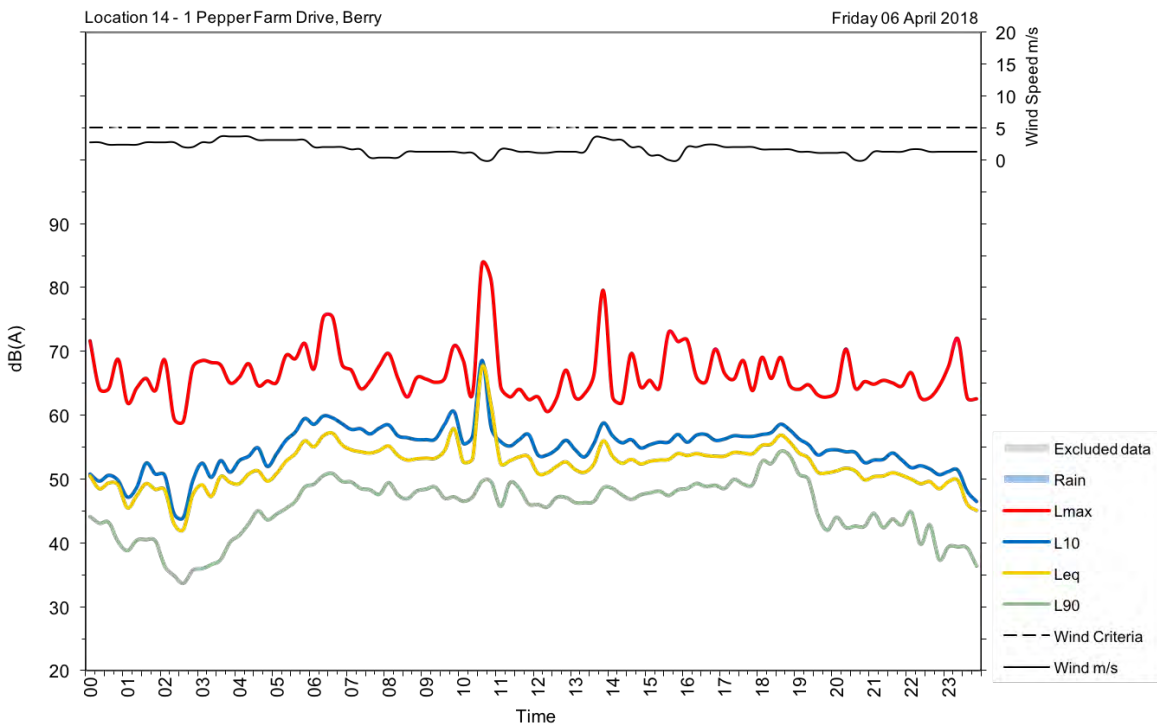
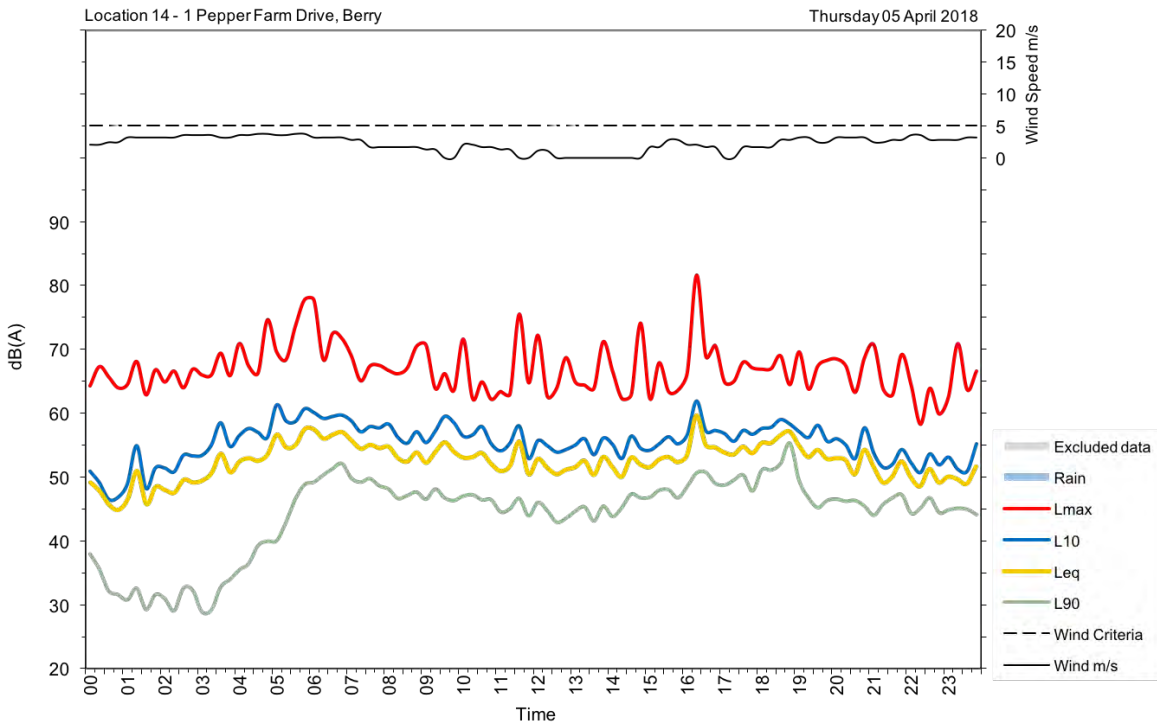




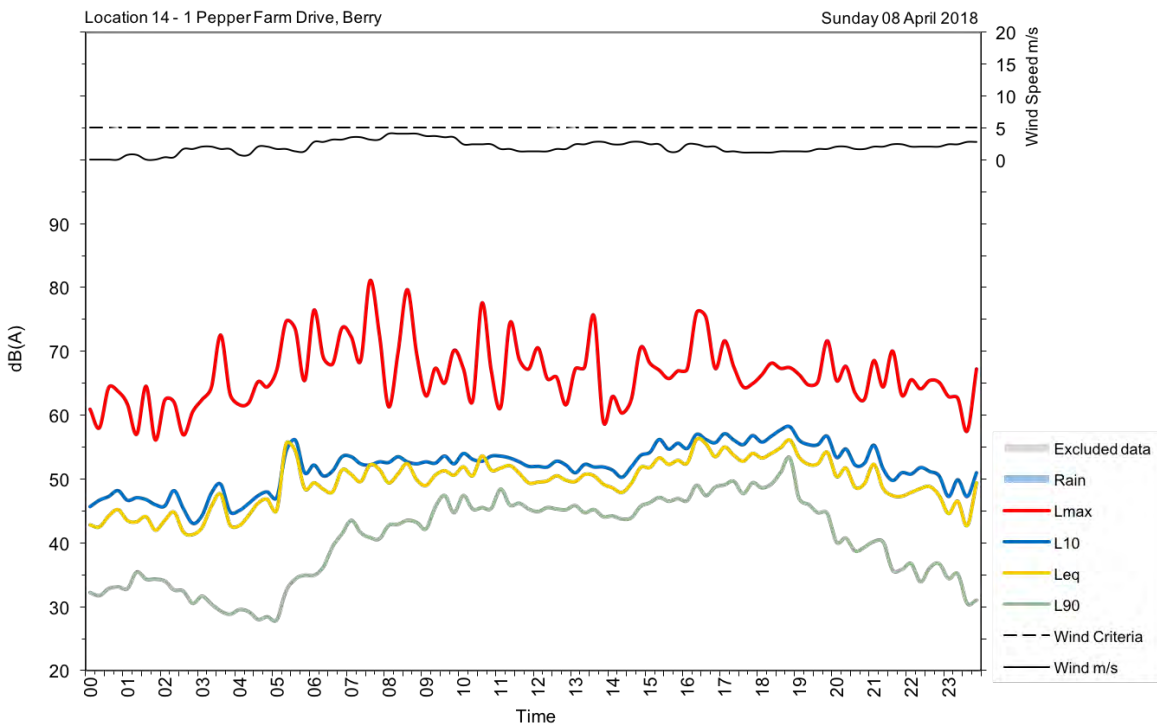
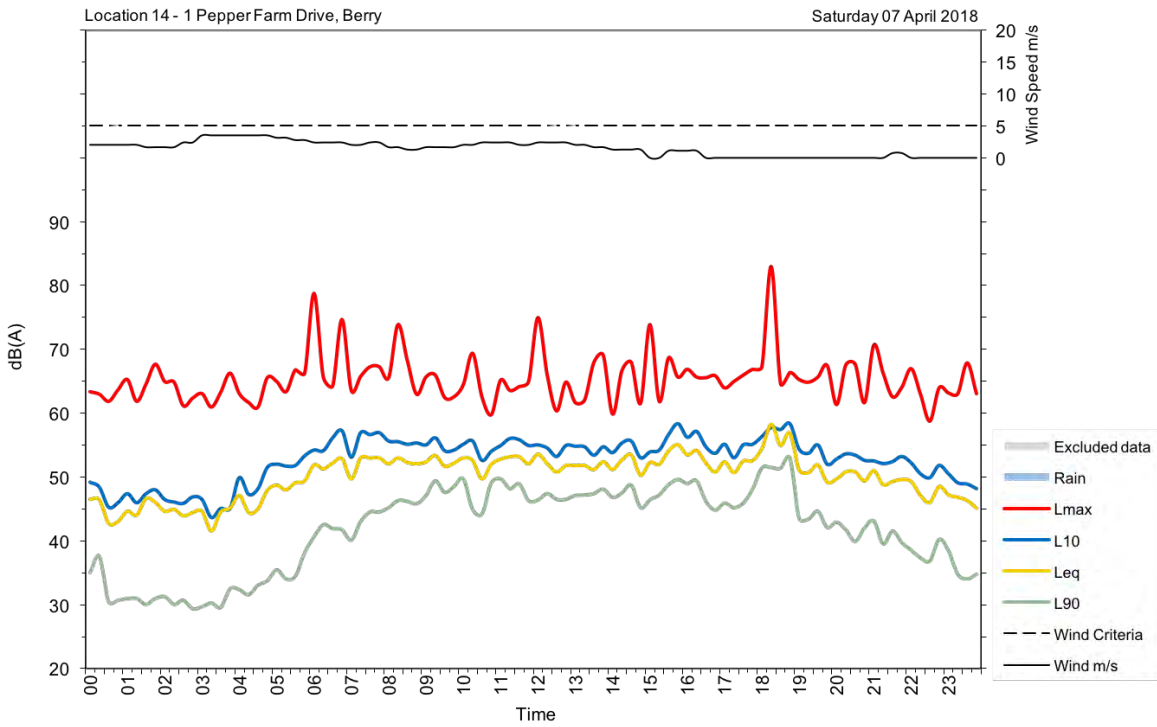


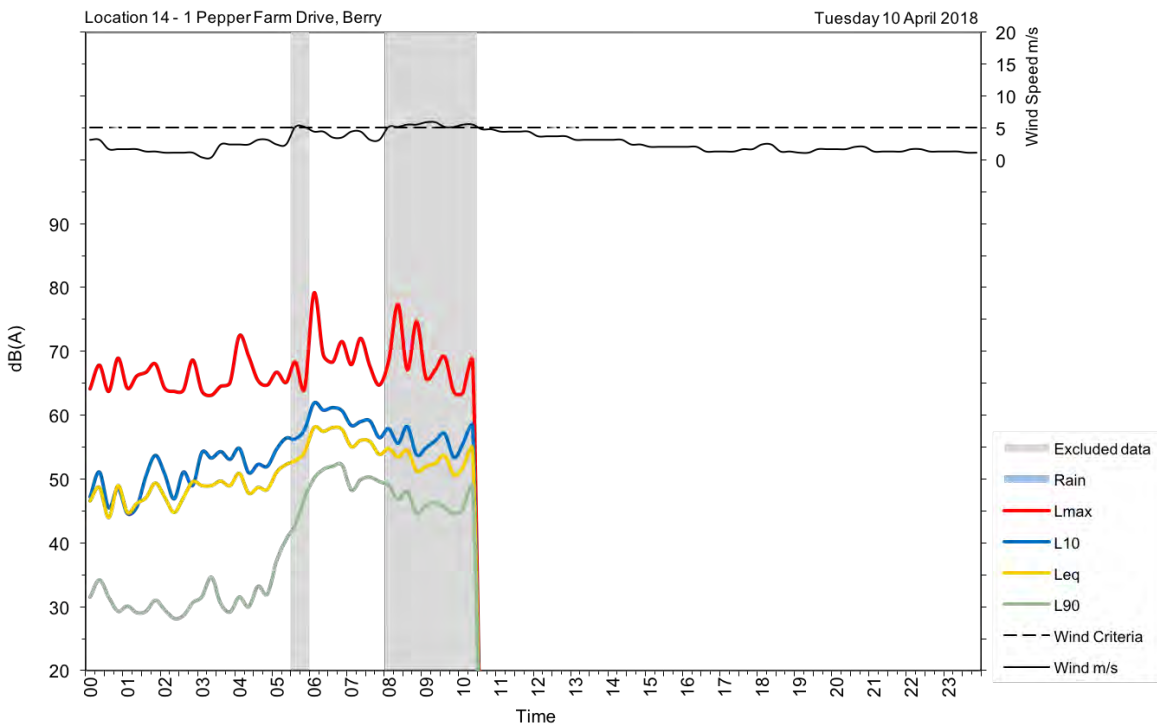
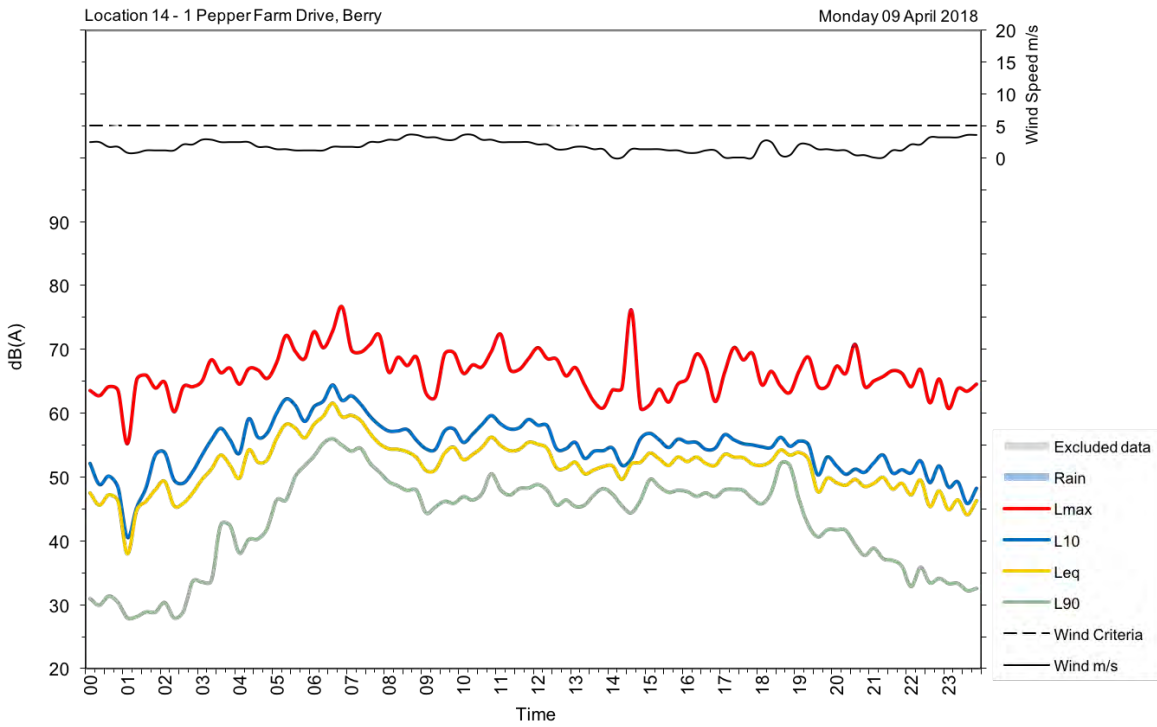










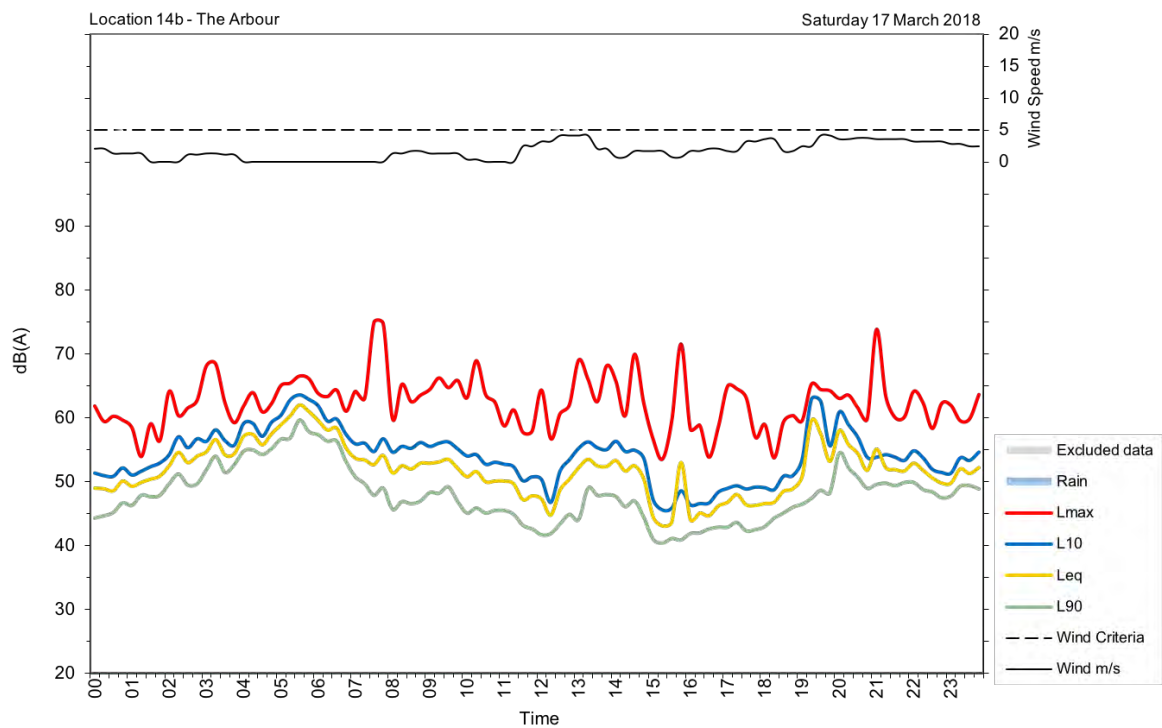
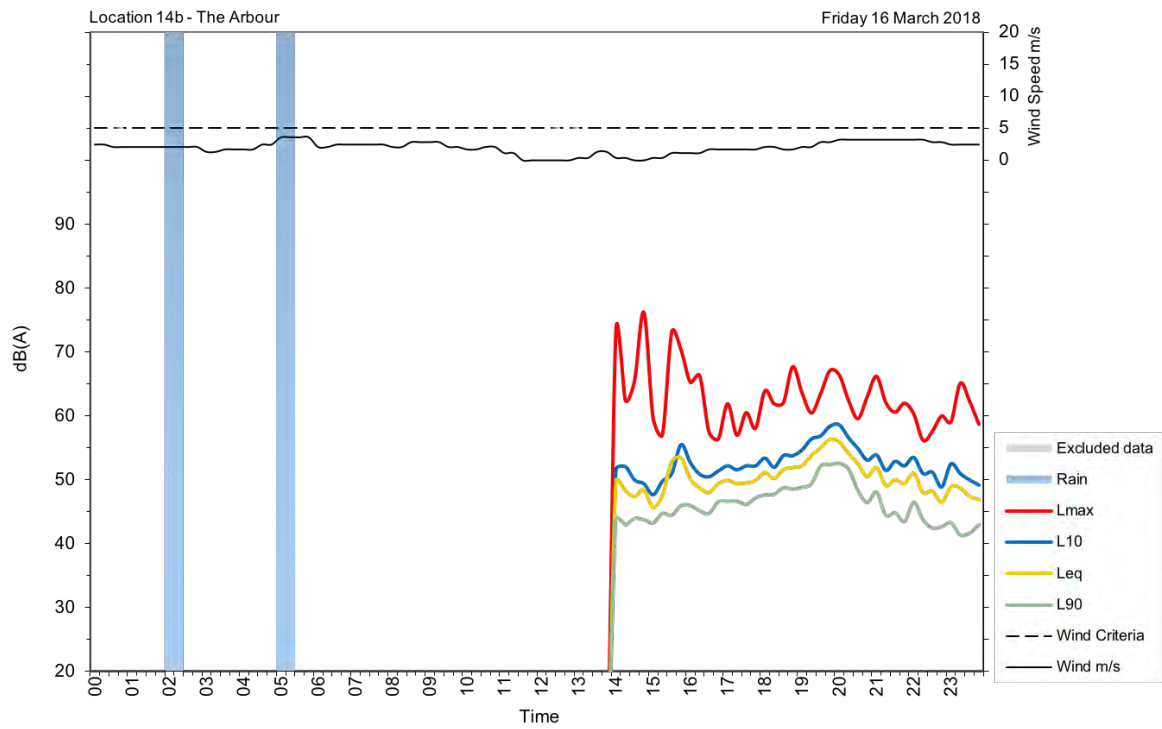


## U14b

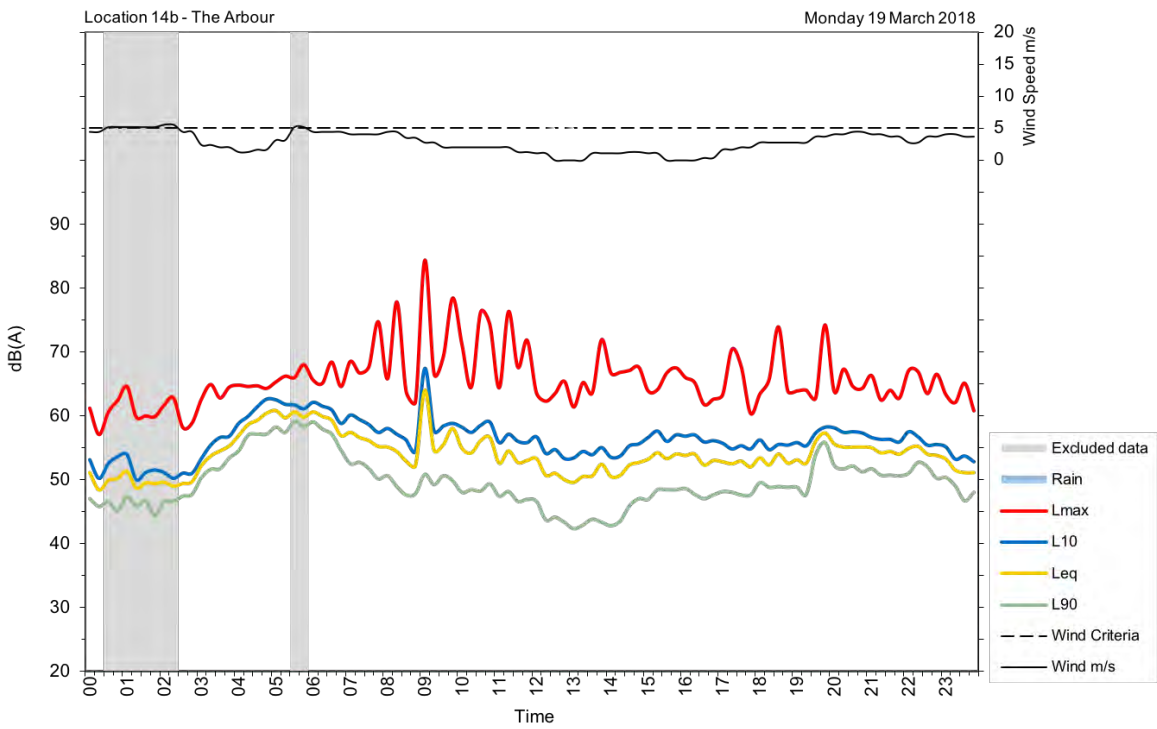
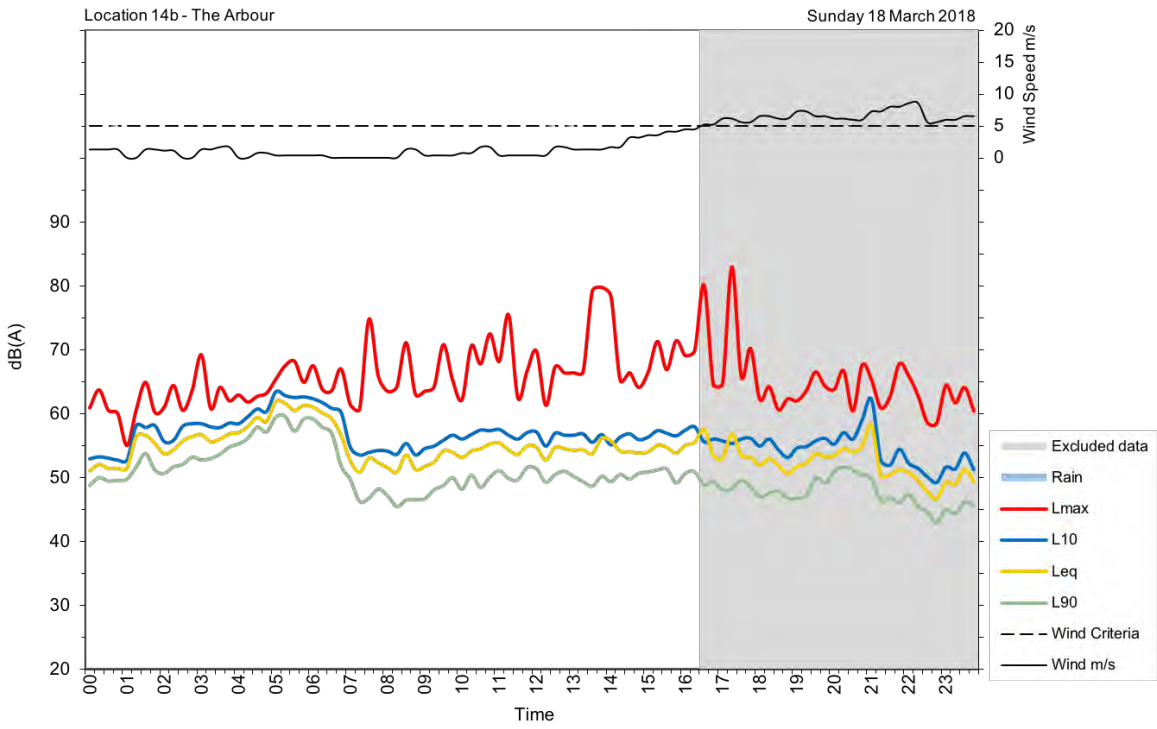
<b>Address/location</b>	60 Little Corella Circuit, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Thursday, 15 March 2018 to Wednesday, 28 March 2018

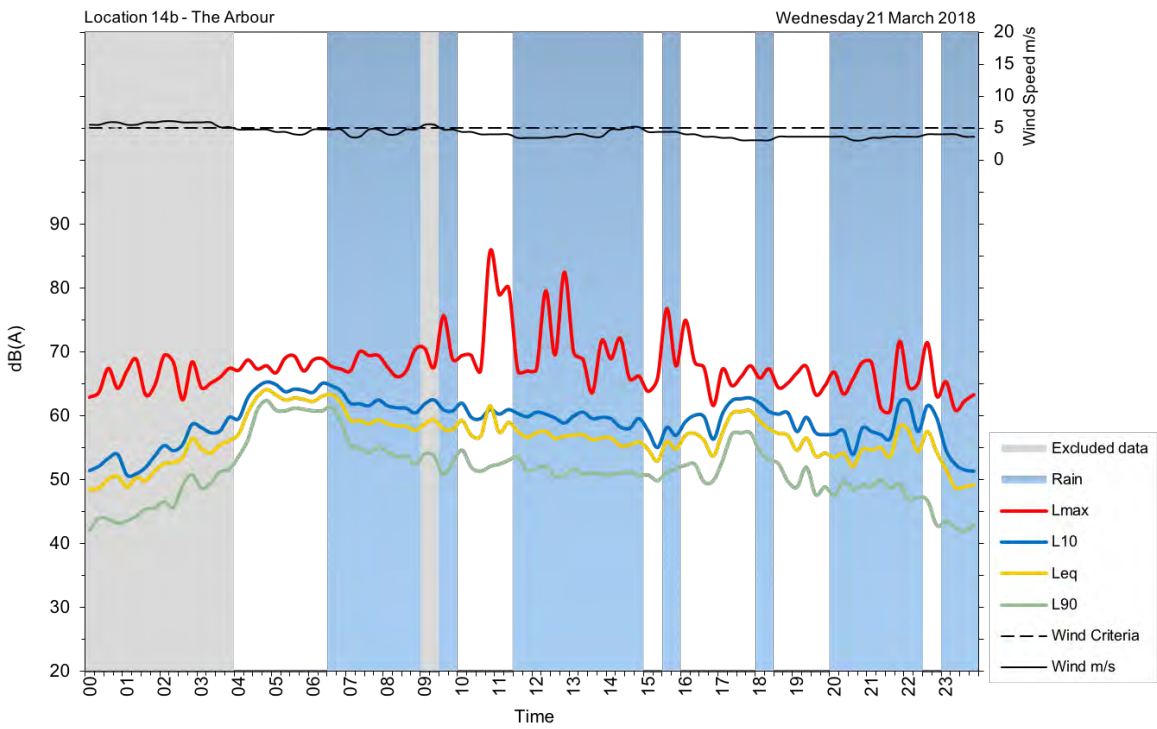
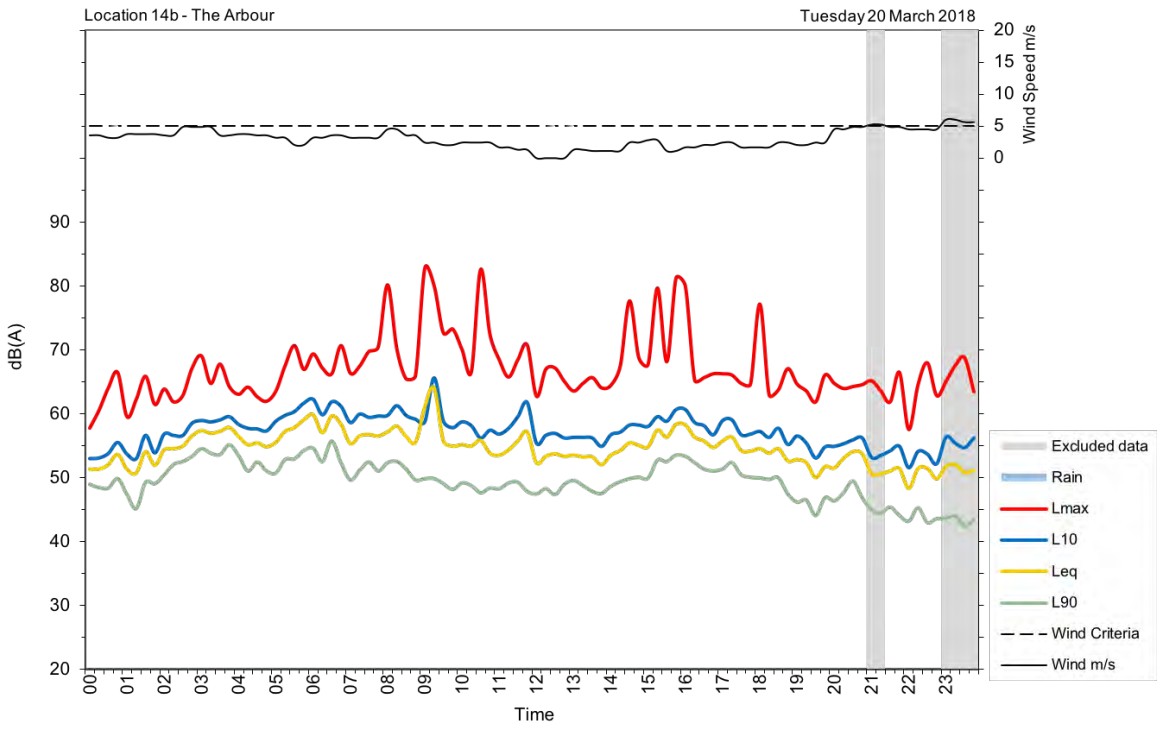


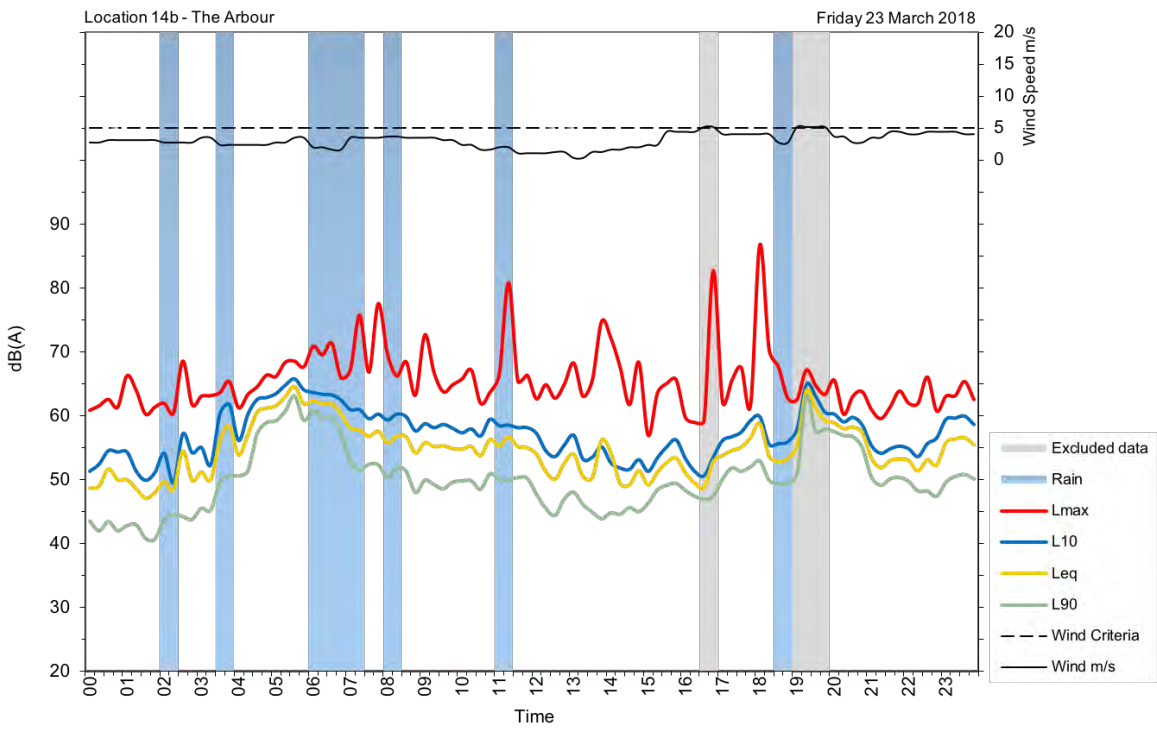
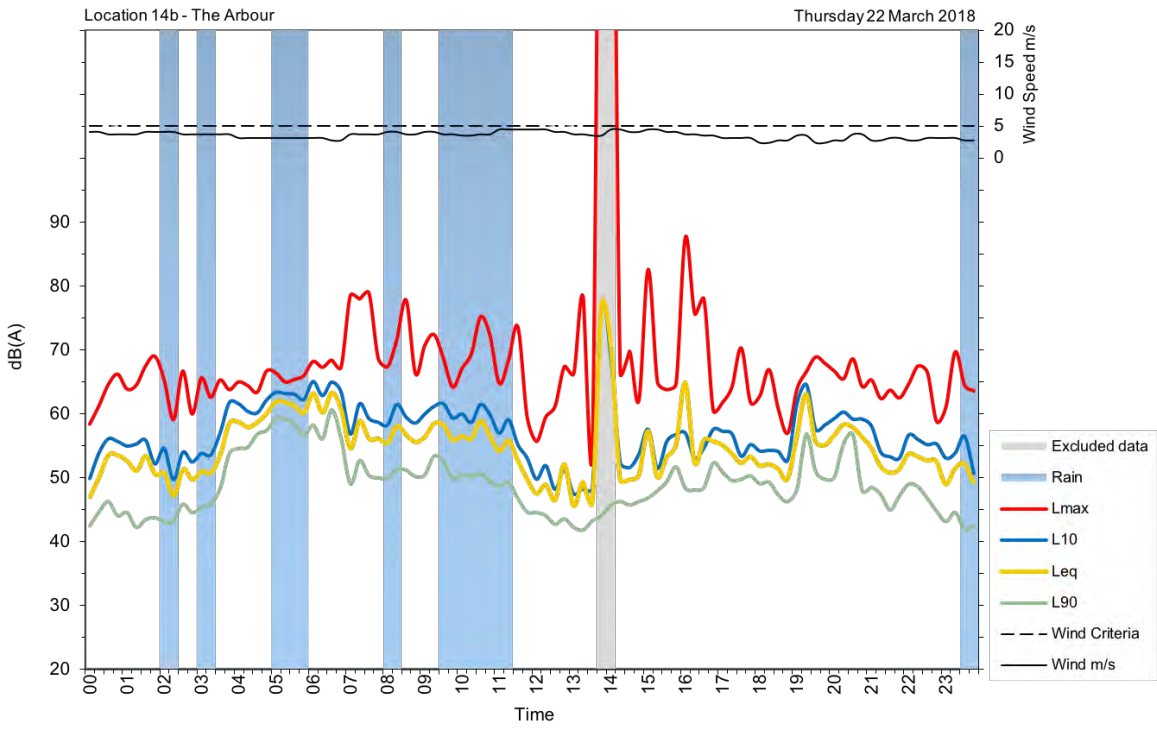
<b>Date</b>	<b>Day, L<sub>Aeq</sub>(15-hour)</b>	<b>Night, L<sub>Aeq</sub>(9-hour)</b>
Friday, 16 March 2018	49	49
Saturday, 17 March 2018	51	
Sunday, 18 March 2018	53	
Monday, 19 March 2018	55	54
Tuesday, 20 March 2018	54	50
Wednesday, 21 March 2018	57	53
Thursday, 22 March 2018	55	51
Friday, 23 March 2018	55	55
Saturday, 24 March 2018	54	52
Sunday, 25 March 2018	54	53
Monday, 26 March 2018	57	50
Tuesday, 27 March 2018	54	50
Wednesday, 28 March 2018	51	
<b>Overall</b>	<b>54</b>	<b>52</b>

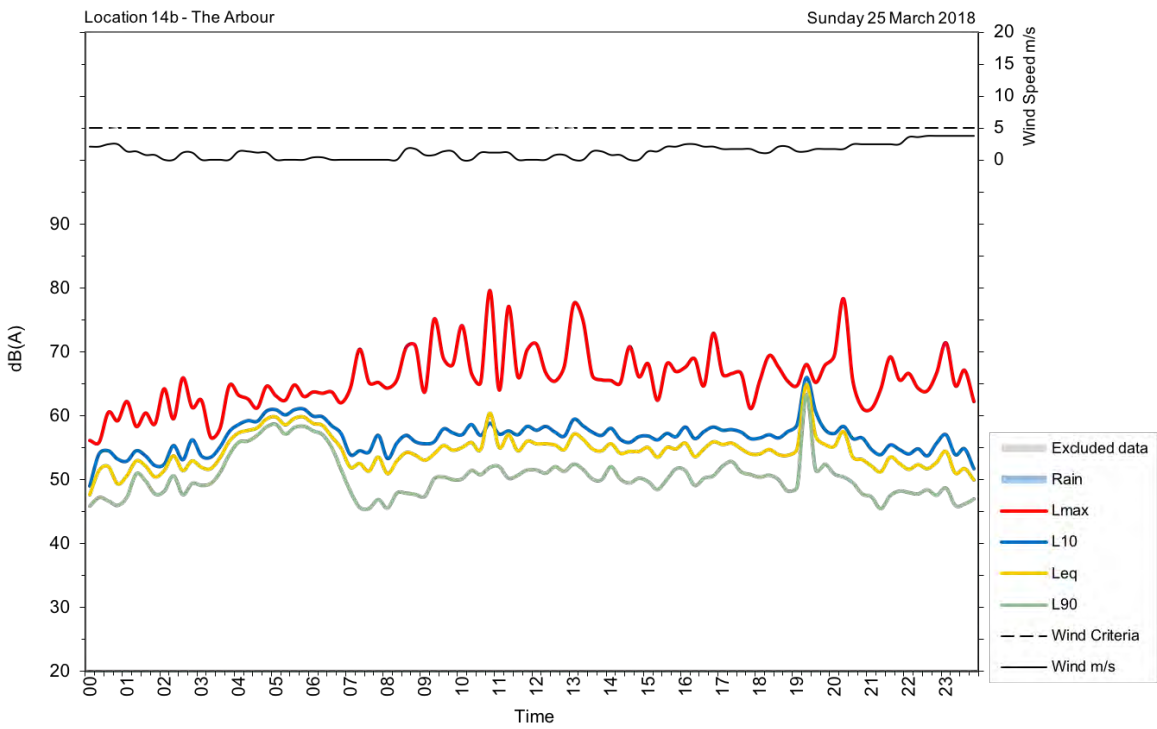
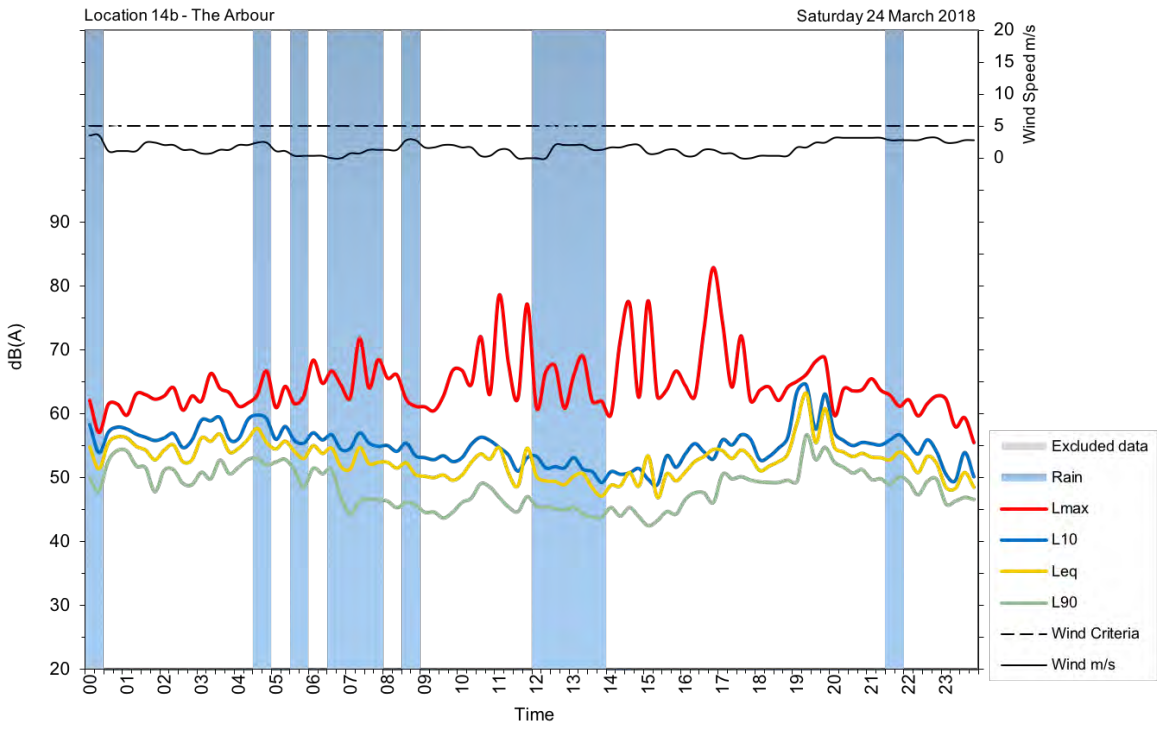


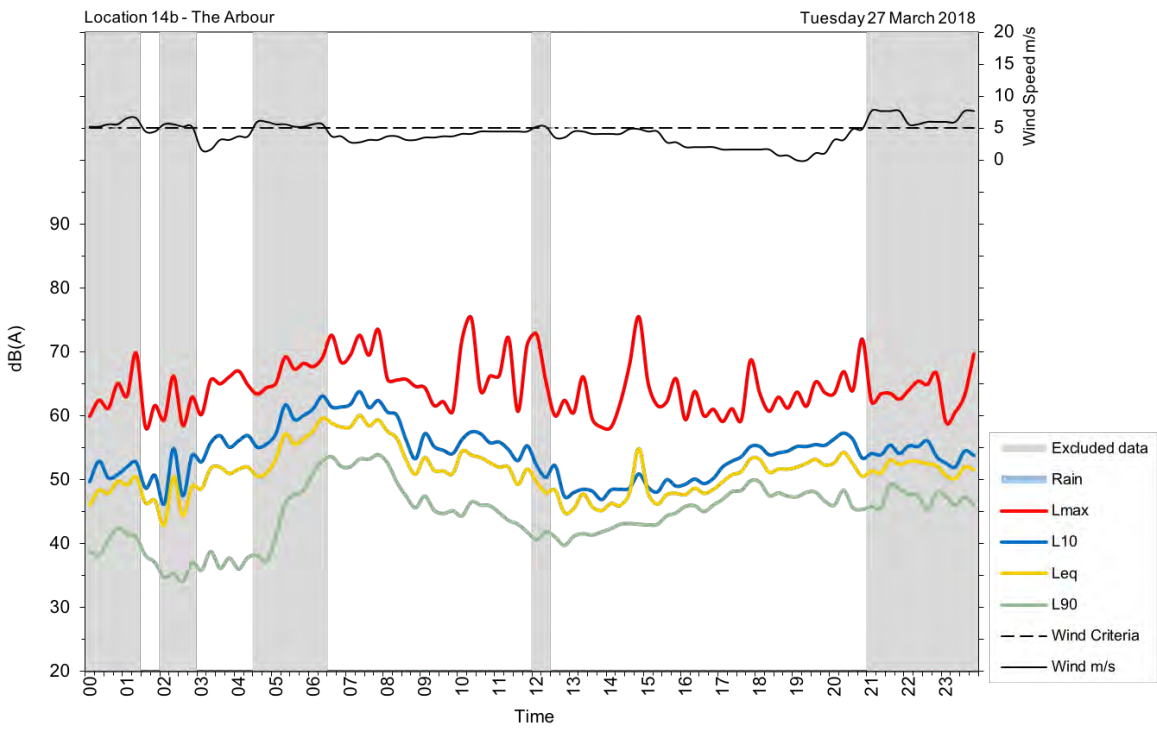
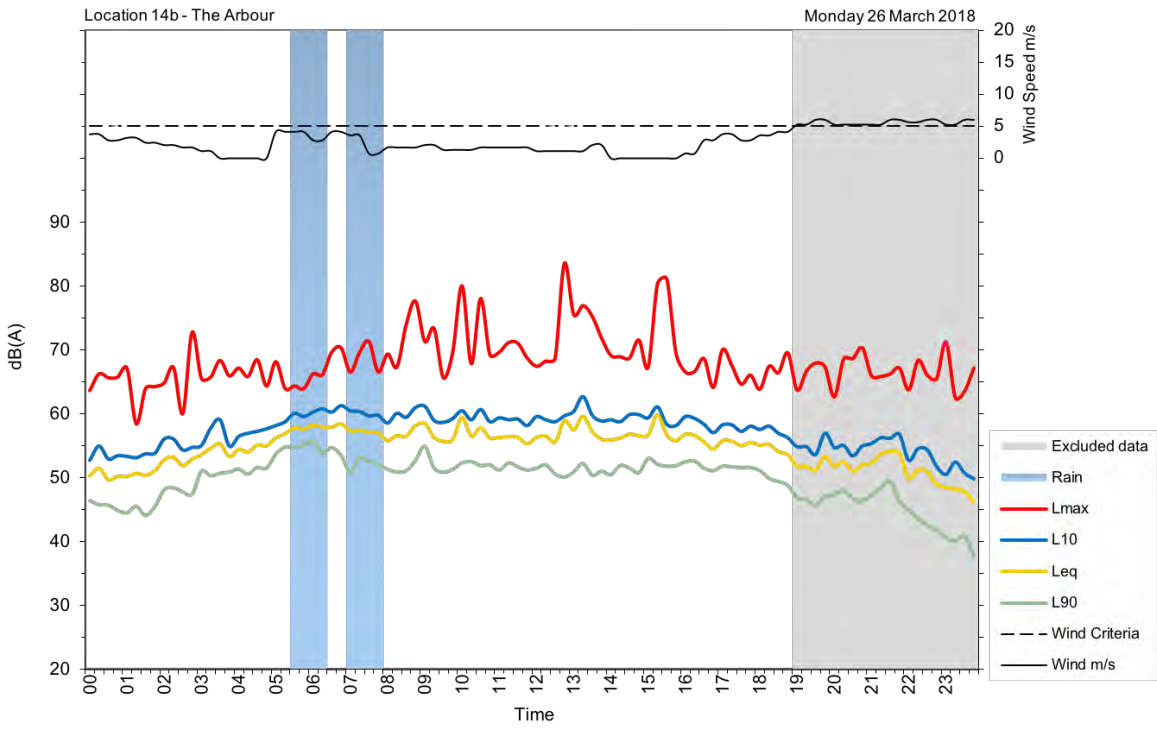




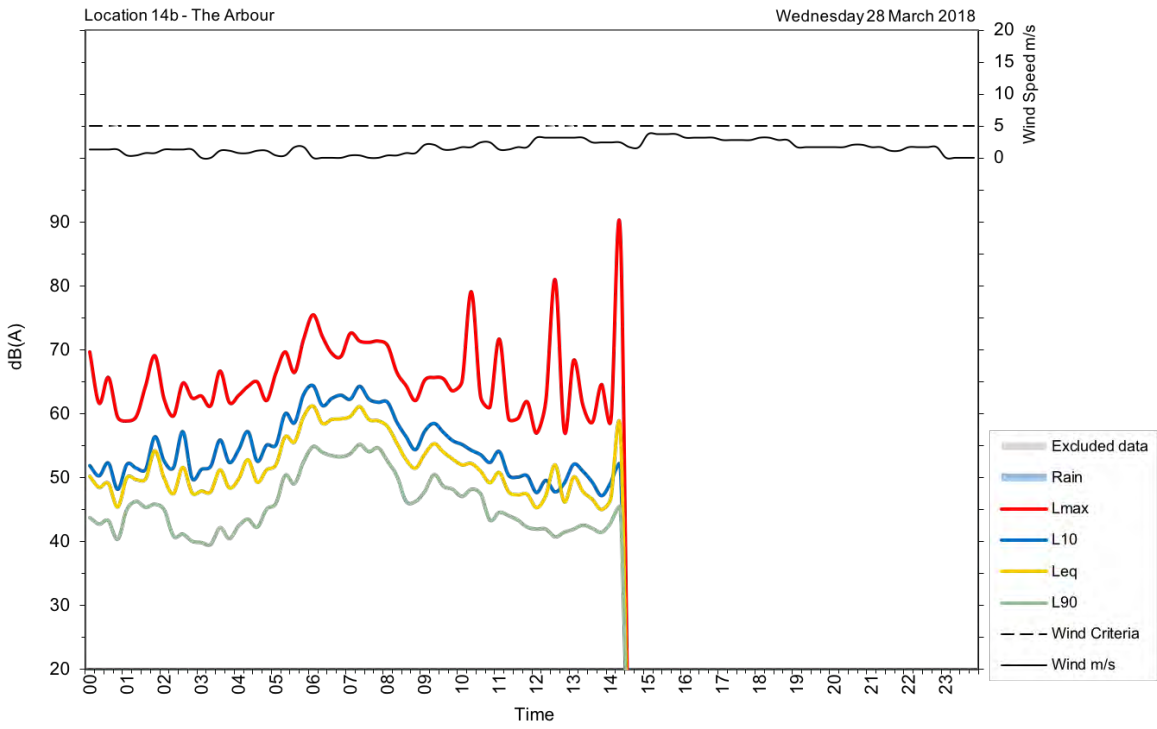










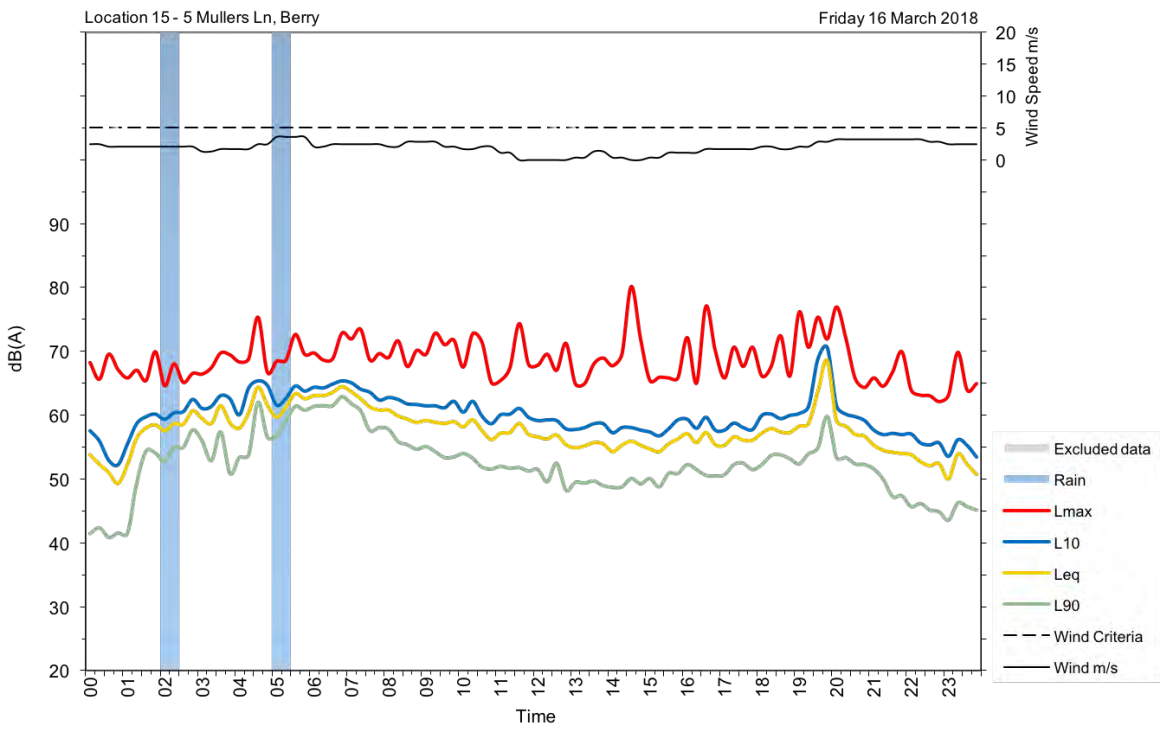
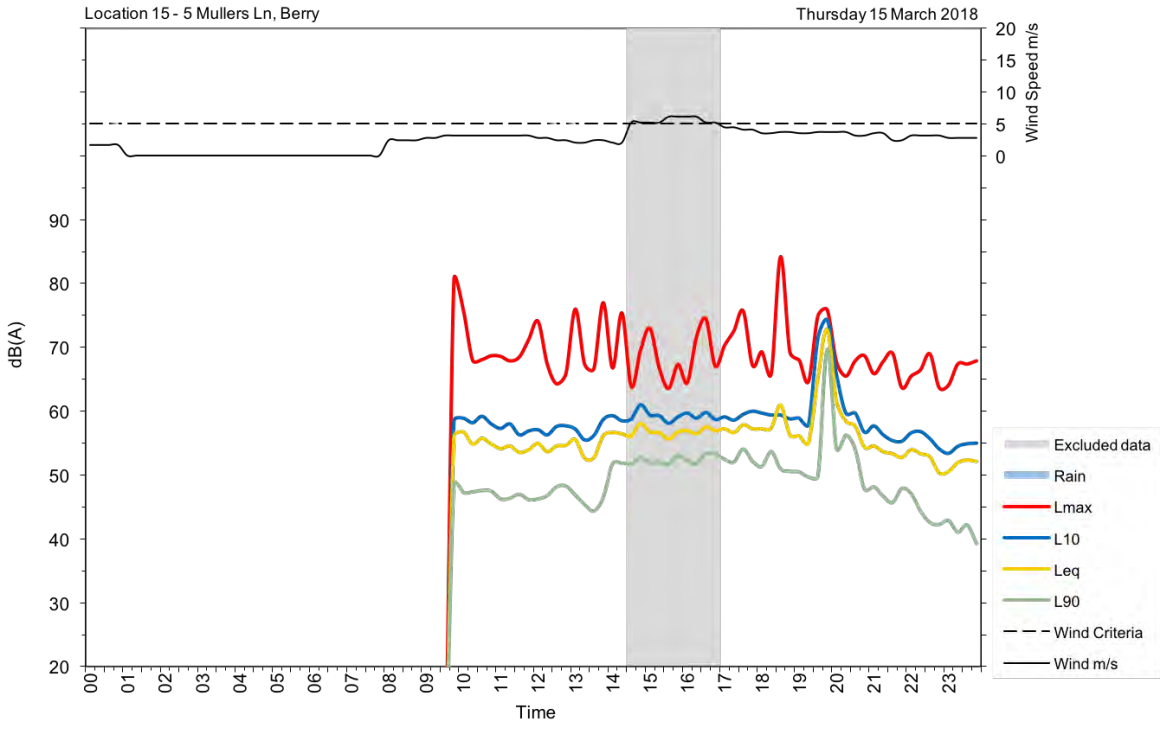


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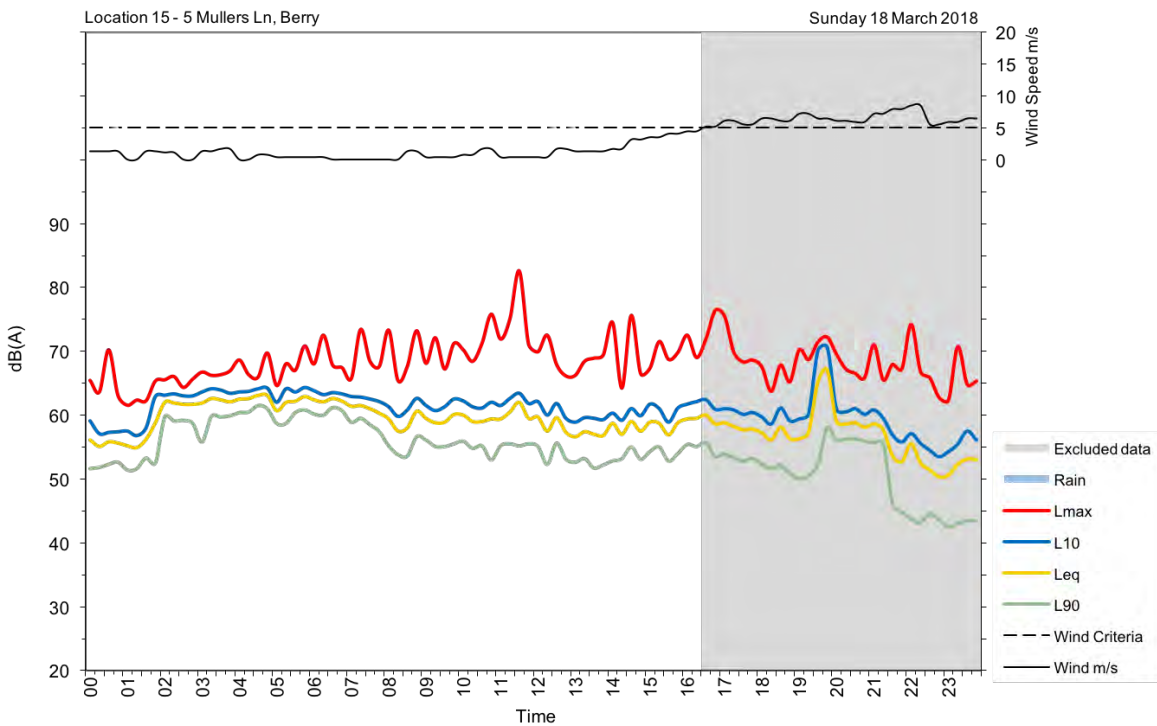
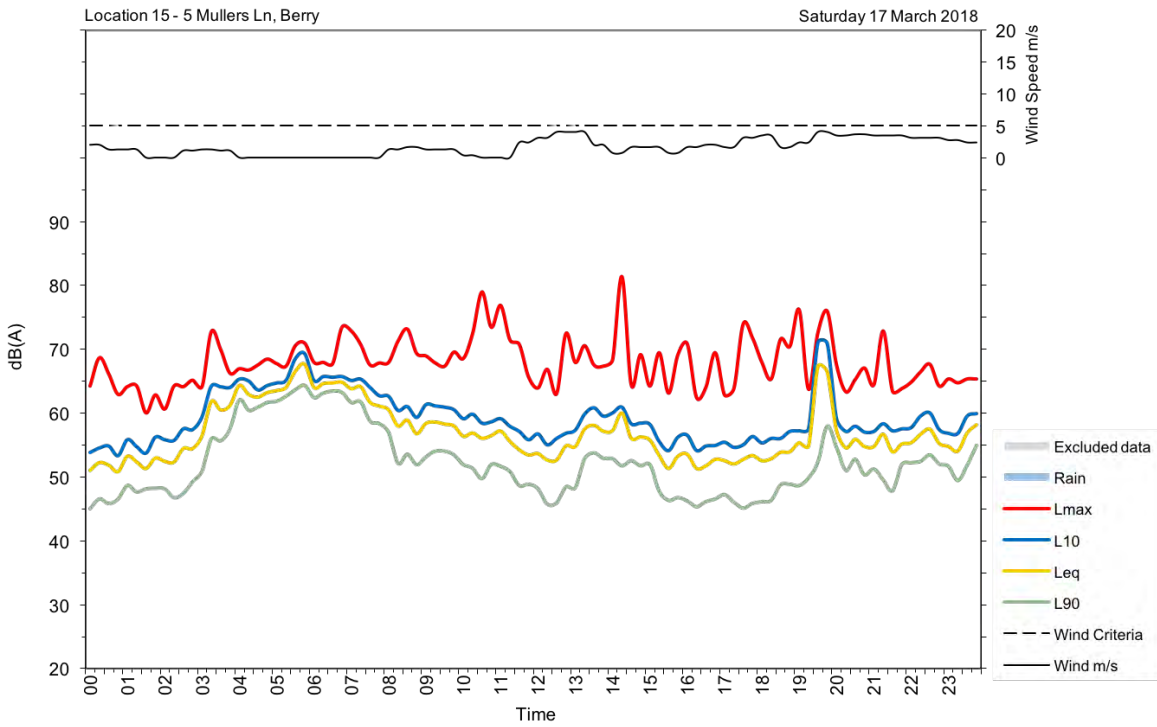
<b>Address/location</b>	5 Mullers Lane, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Thursday, 15 March 2018 to Wednesday, 28 March 2018



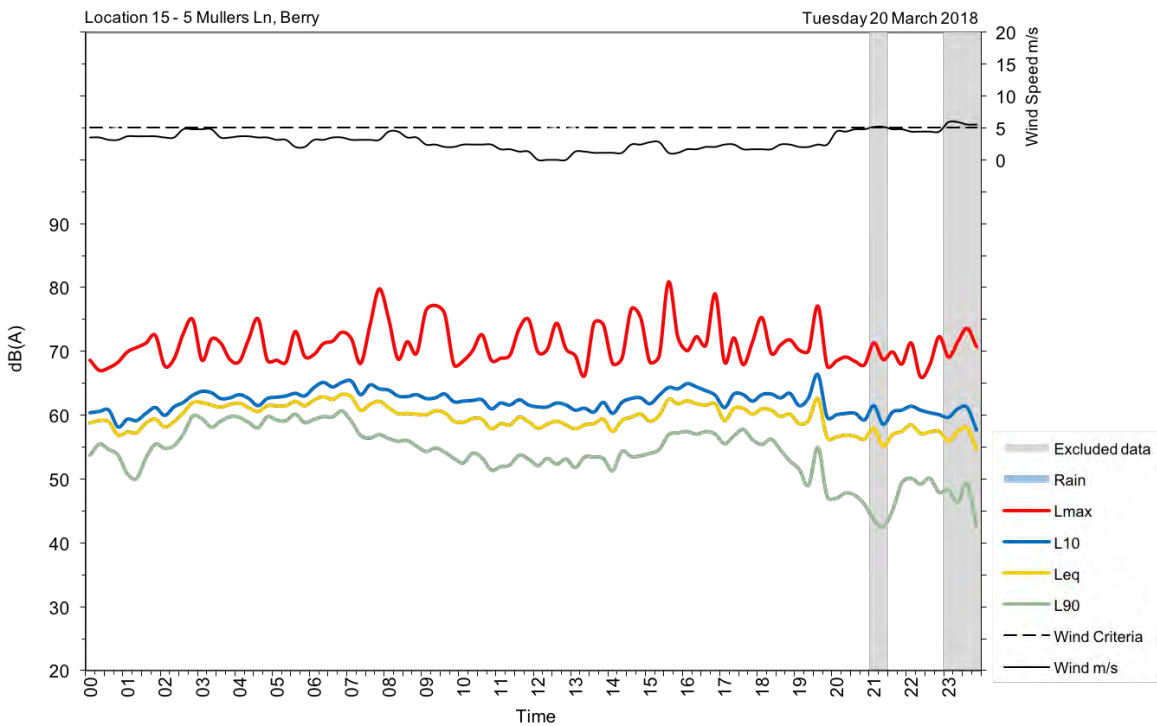
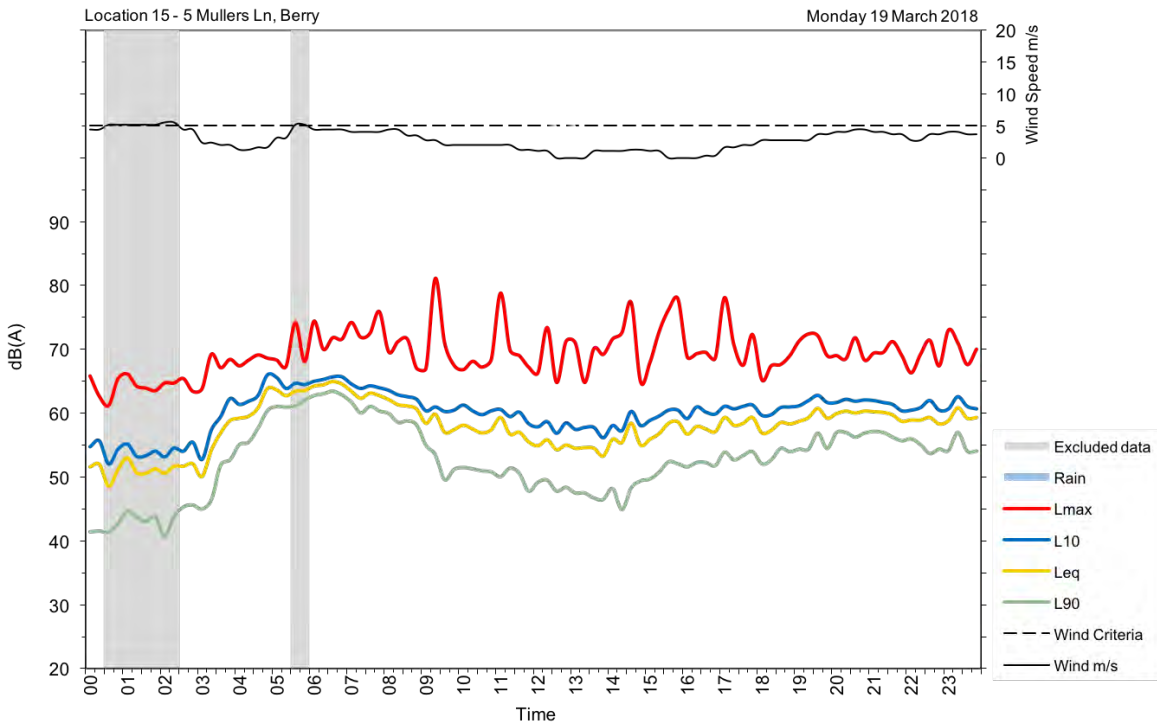
<b>Date</b>	<b>Day, L<sub>Aeq</sub>(15-hour)</b>	<b>Night, L<sub>Aeq</sub>(9-hour)</b>
Thursday, 15 March 2018	57	55
Friday, 16 March 2018	58	55
Saturday, 17 March 2018	58	57
Sunday, 18 March 2018	59	54
Monday, 19 March 2018	57	59
Tuesday, 20 March 2018	60	58
Wednesday, 21 March 2018	62	58
Thursday, 22 March 2018	60	56
Friday, 23 March 2018	59	58
Saturday, 24 March 2018	57	59
Sunday, 25 March 2018	59	57
Monday, 26 March 2018	62	
Tuesday, 27 March 2018	57	55
Wednesday, 28 March 2018	58	55
<b>Overall</b>	<b>59</b>	<b>57</b>

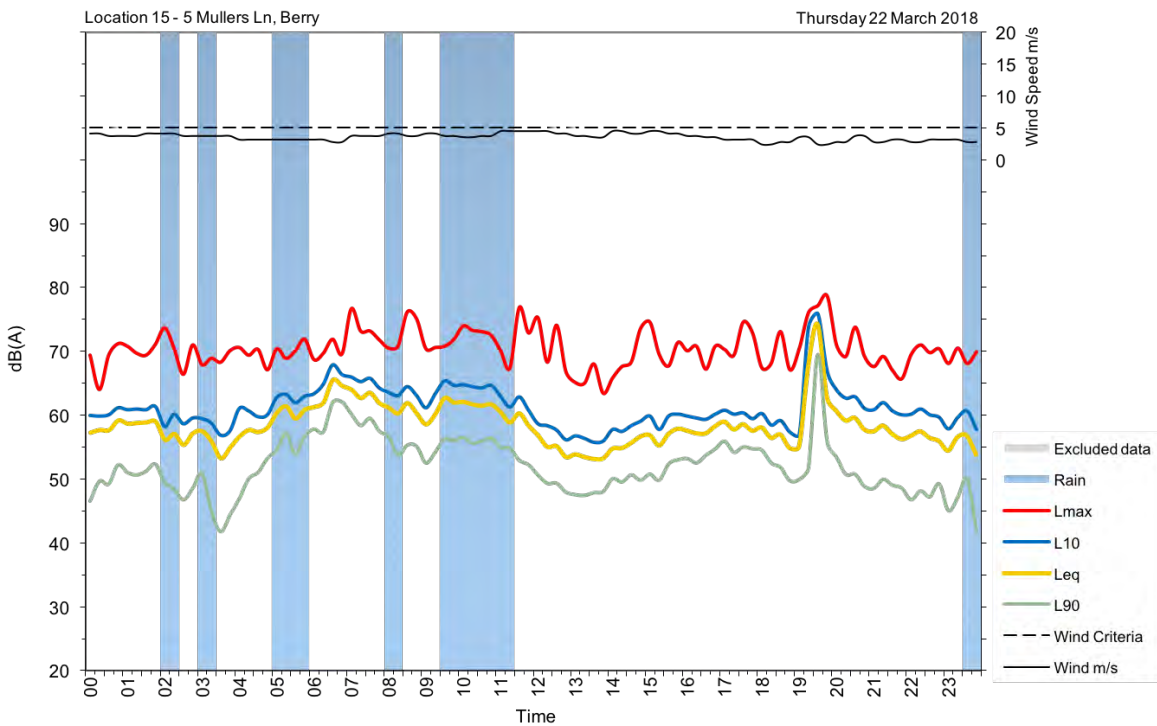
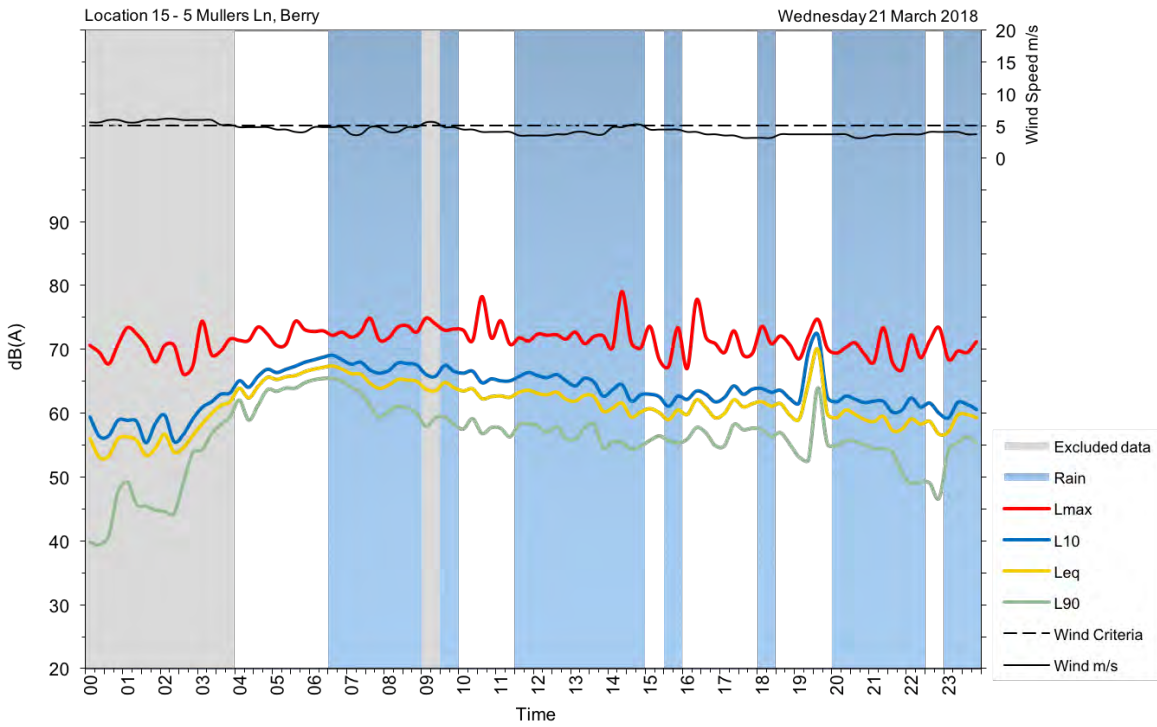


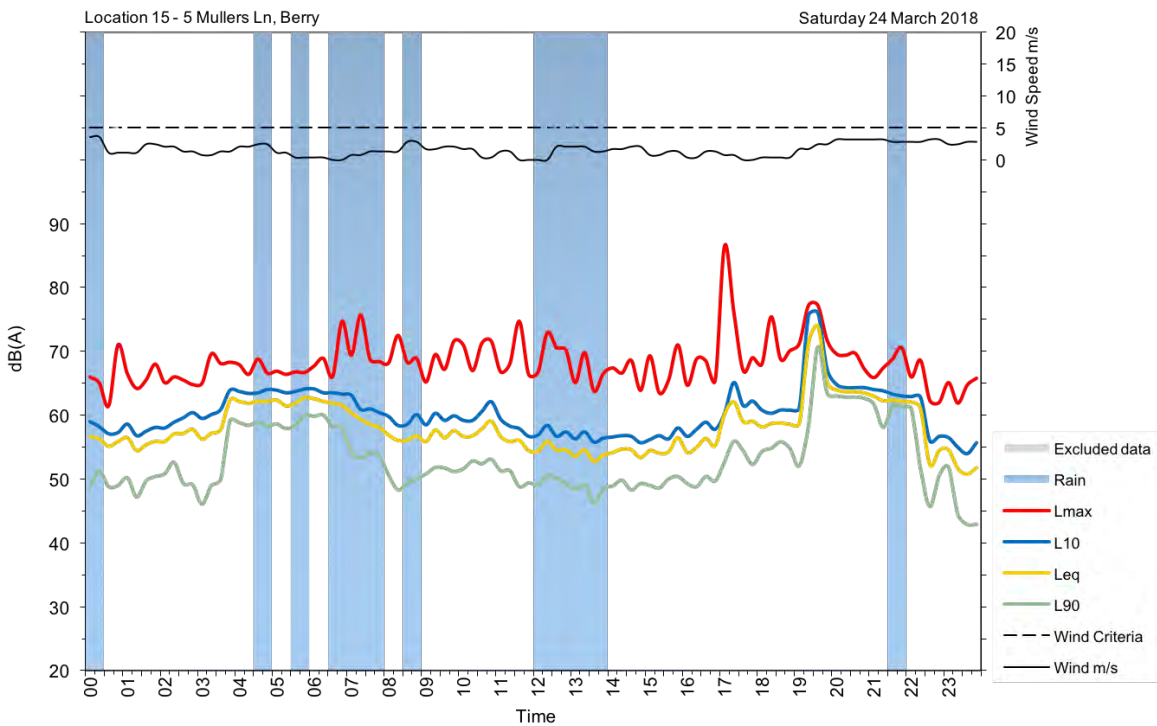
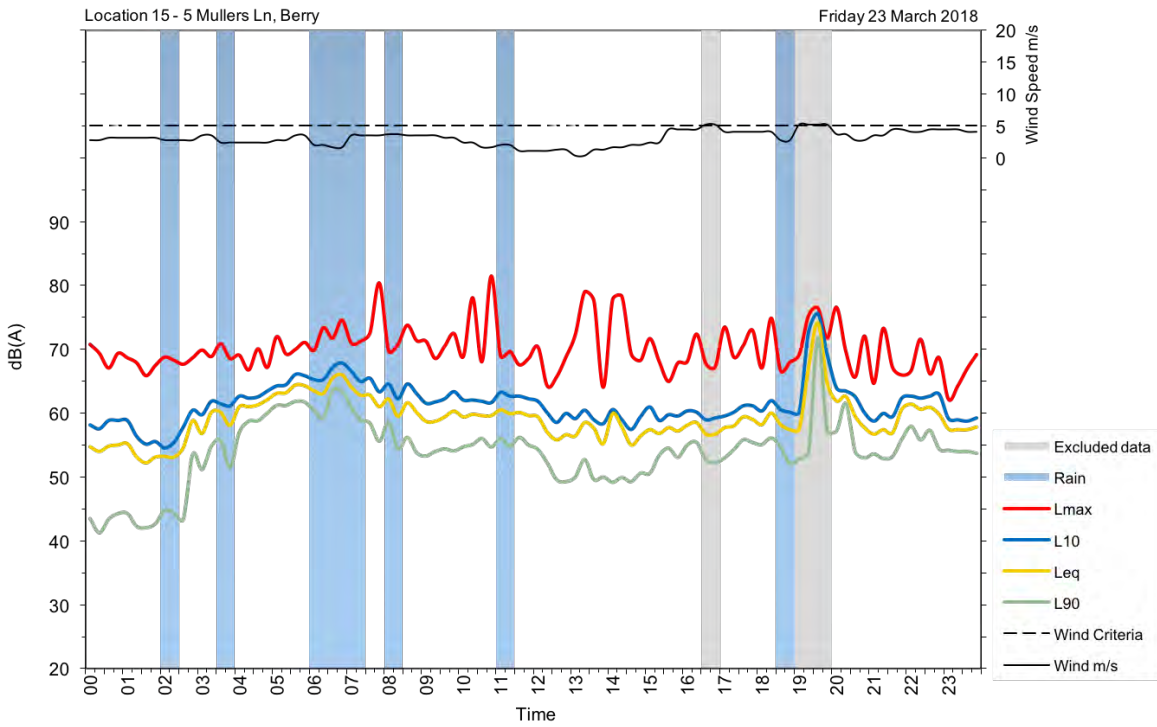


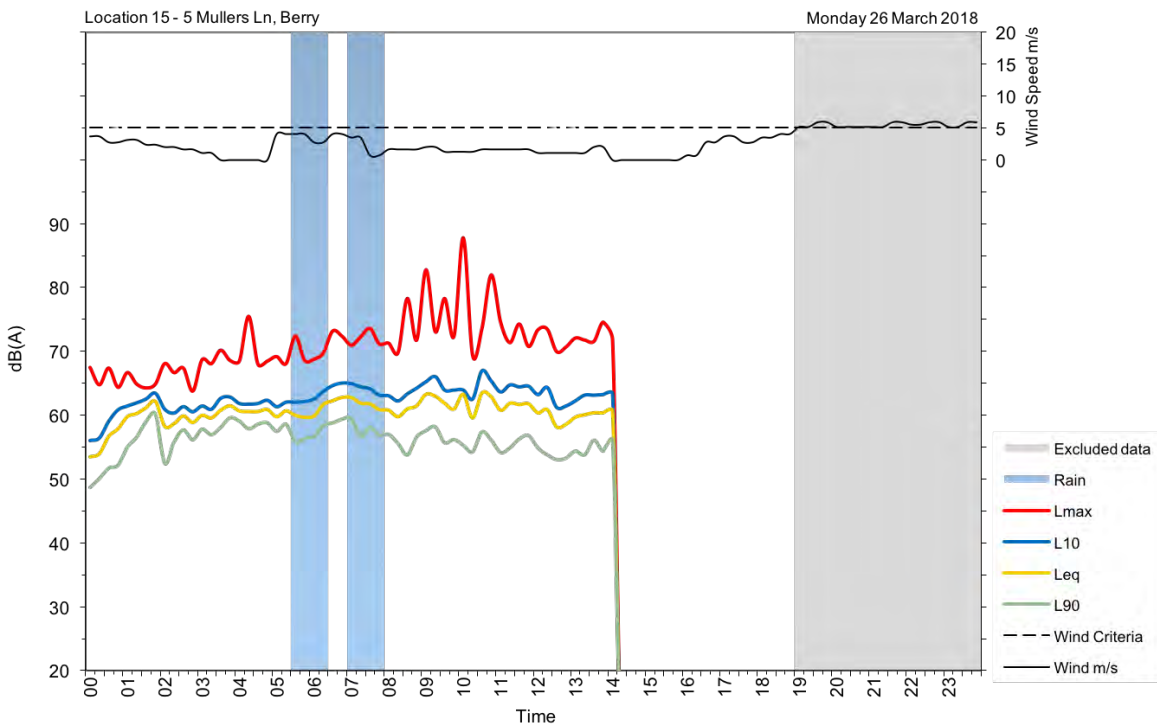
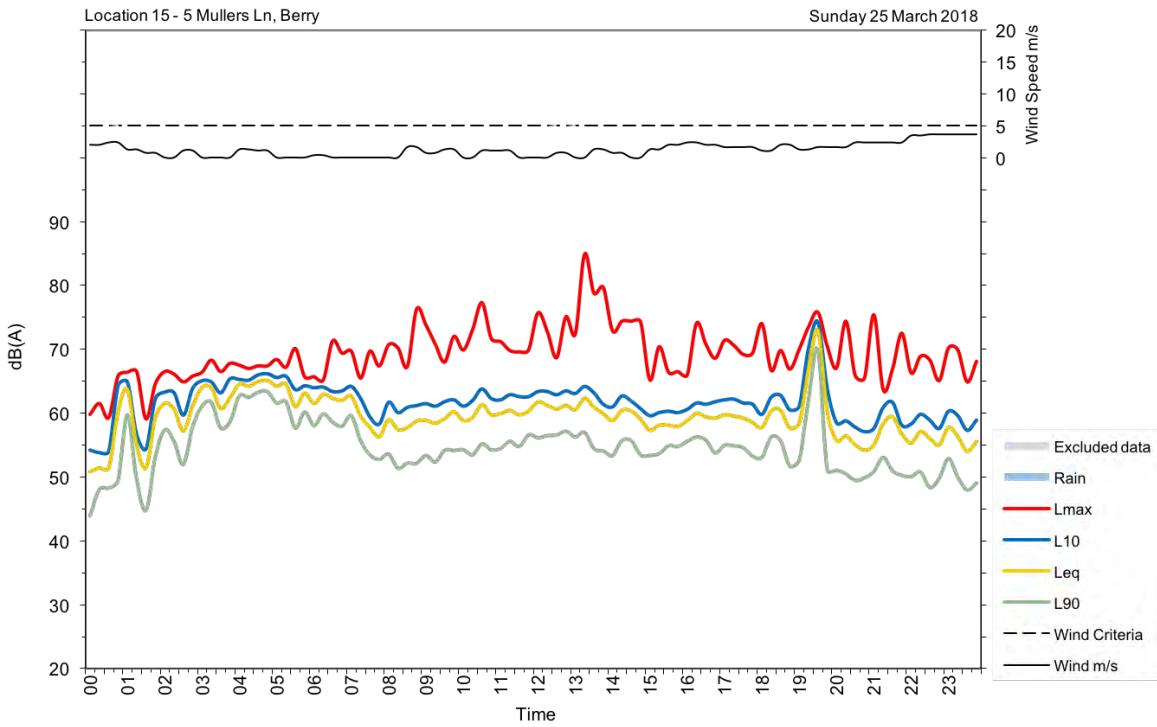














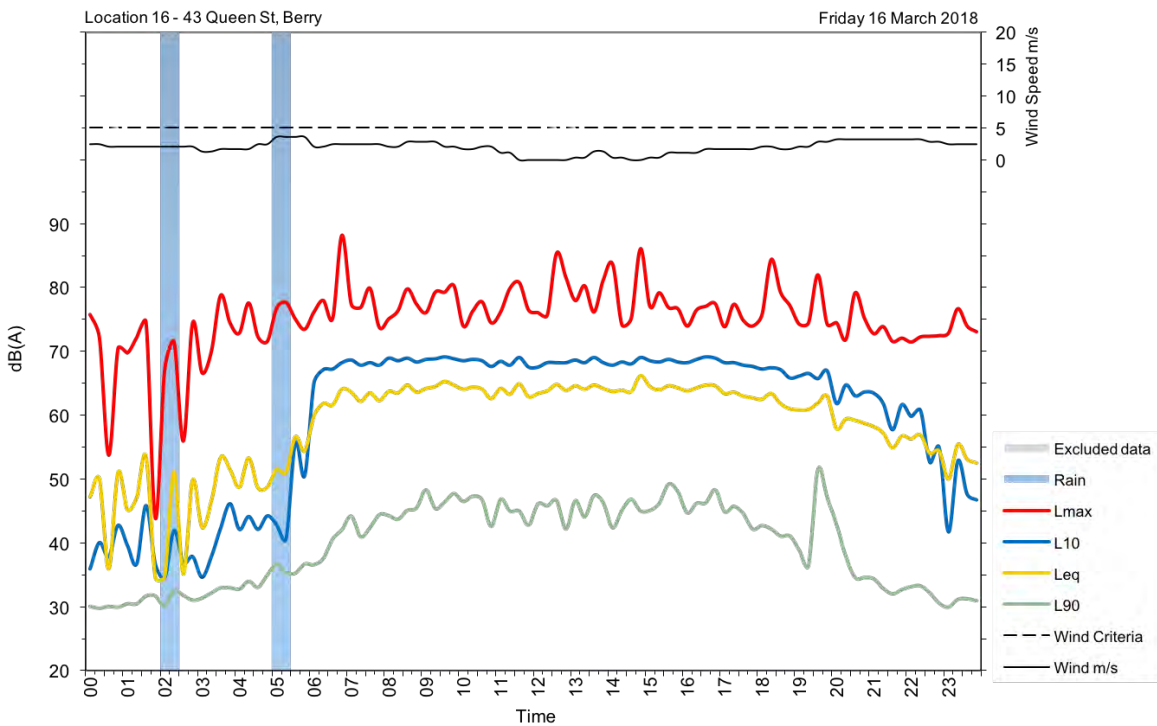
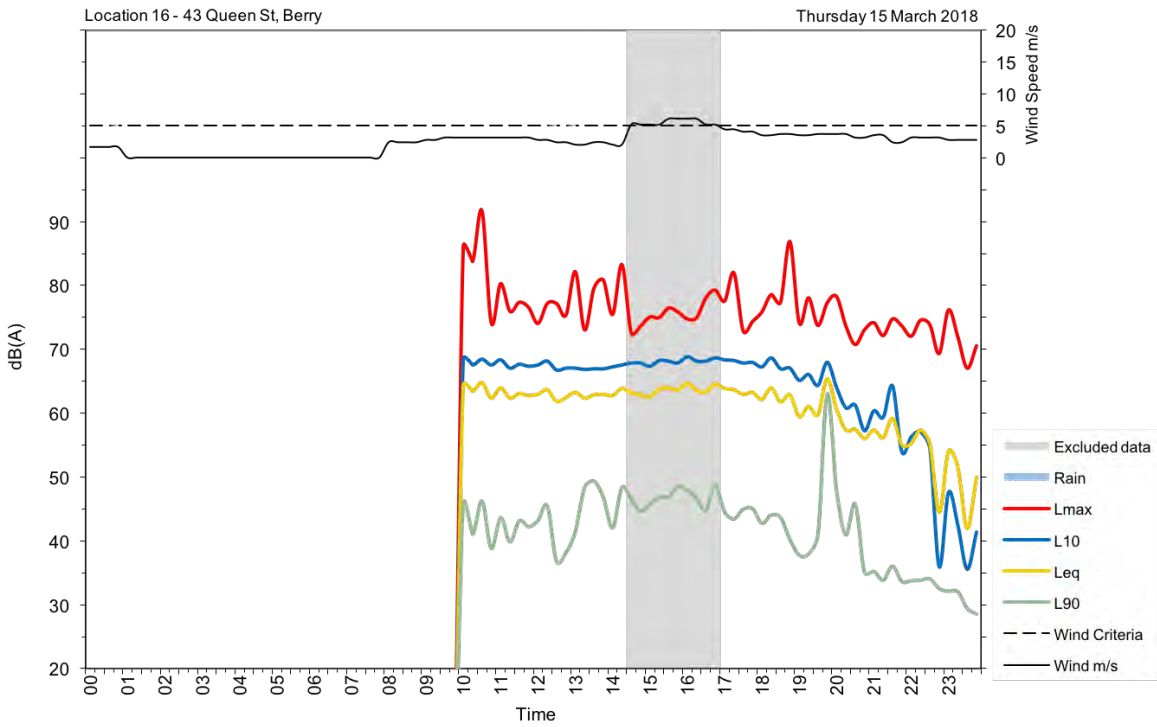
**U16**

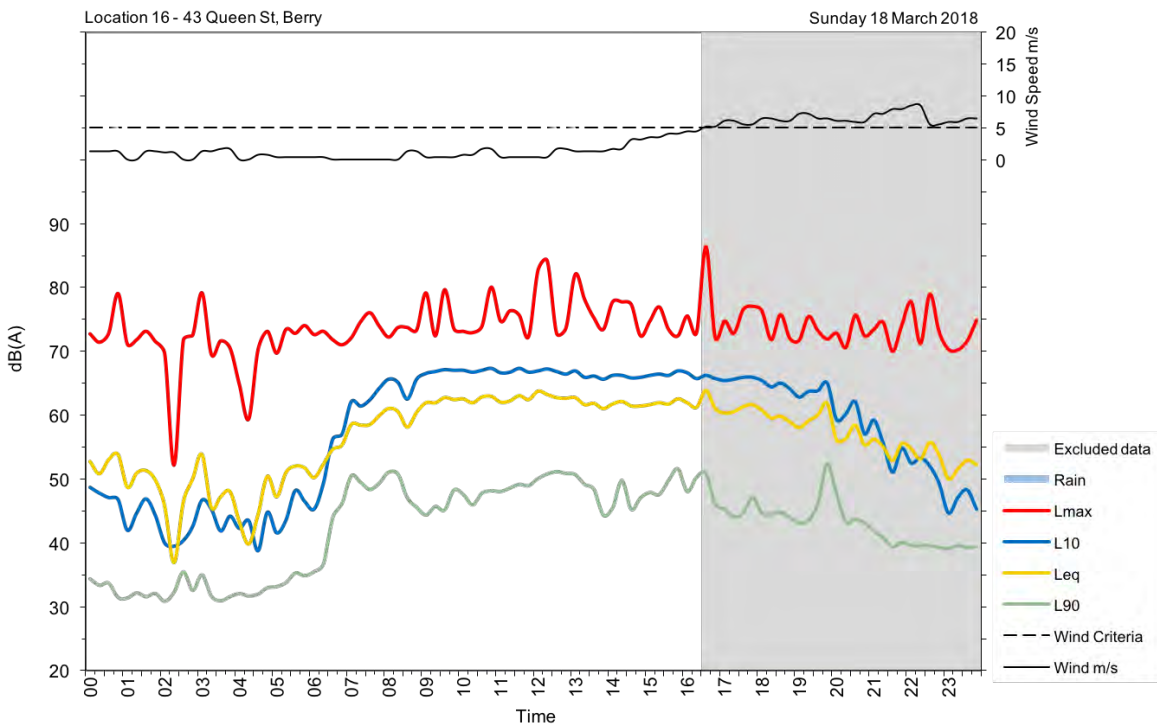
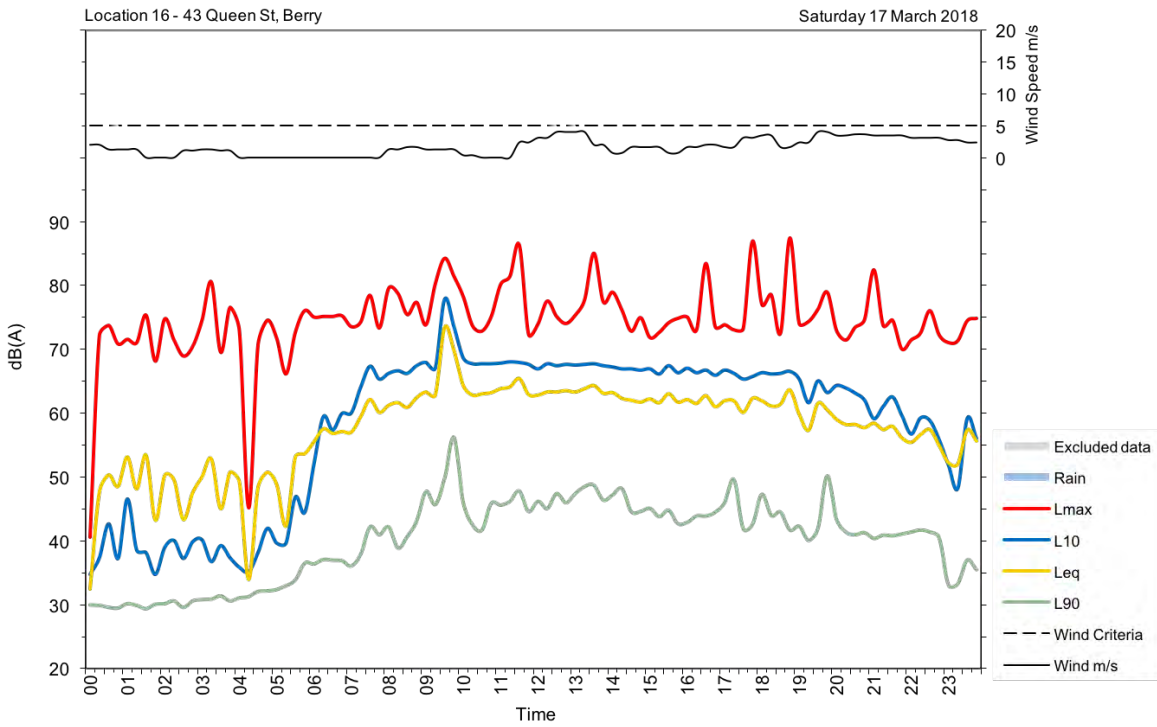
<b>Address/location</b>	43 Queen Street, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Thursday, 15 March 2018 to Wednesday, 28 March 2018

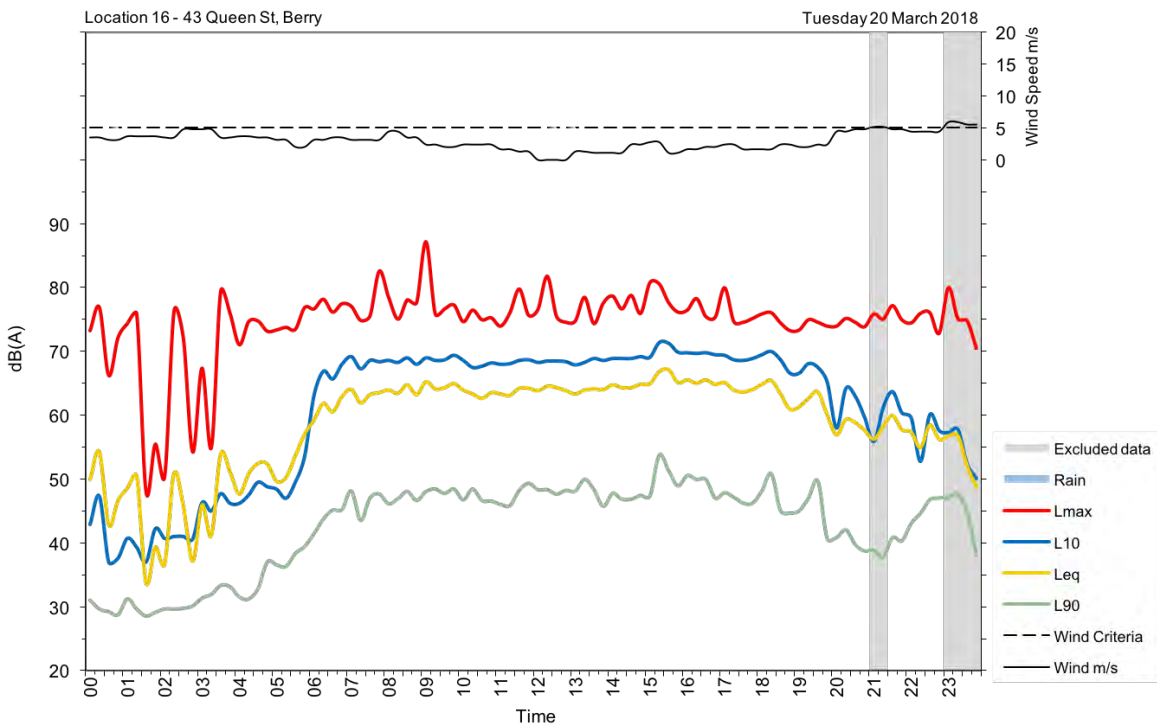
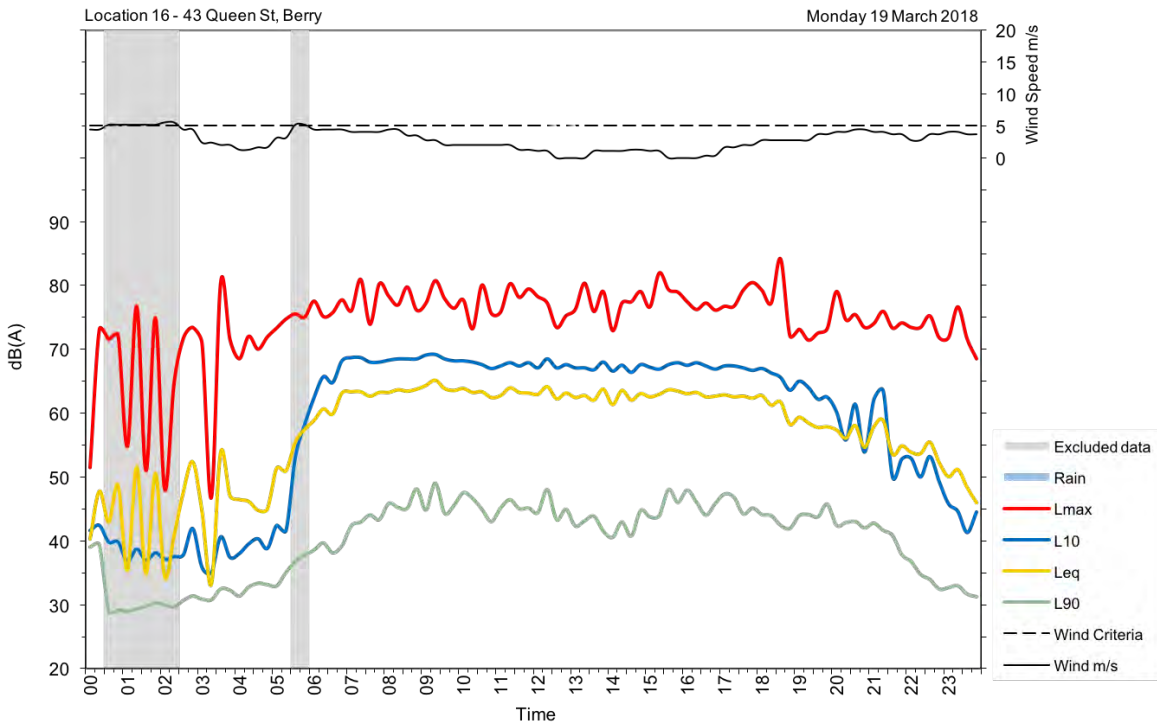


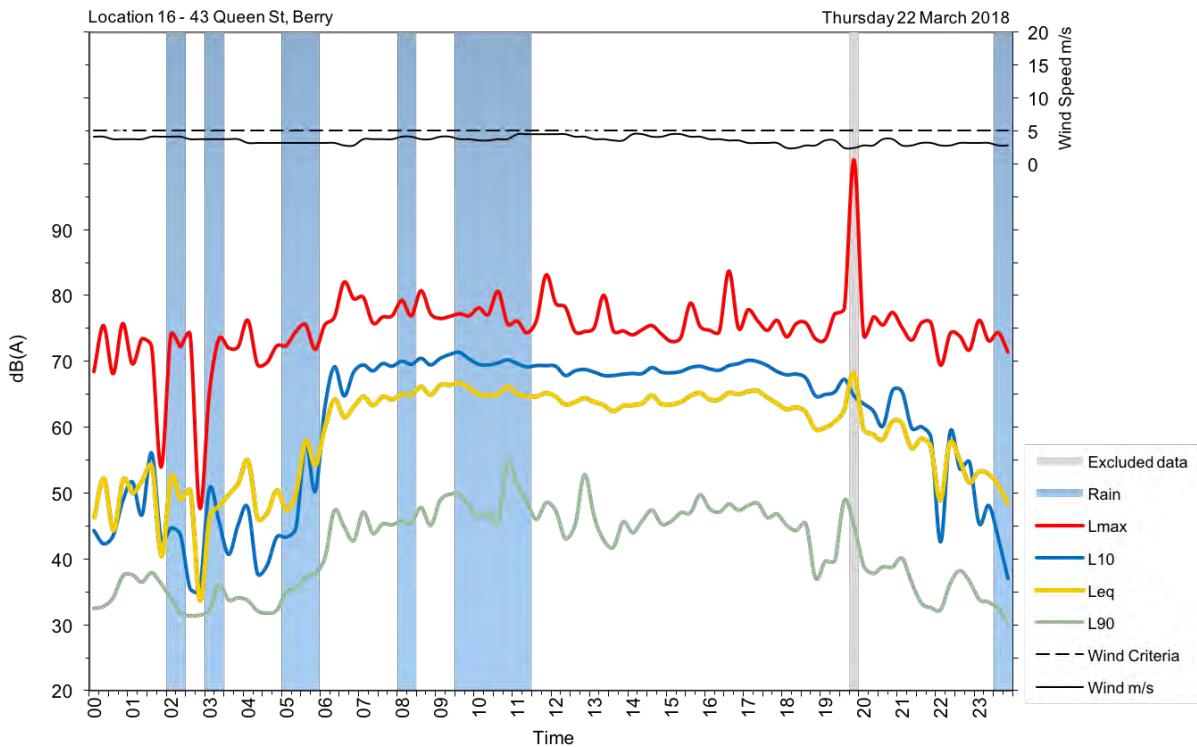
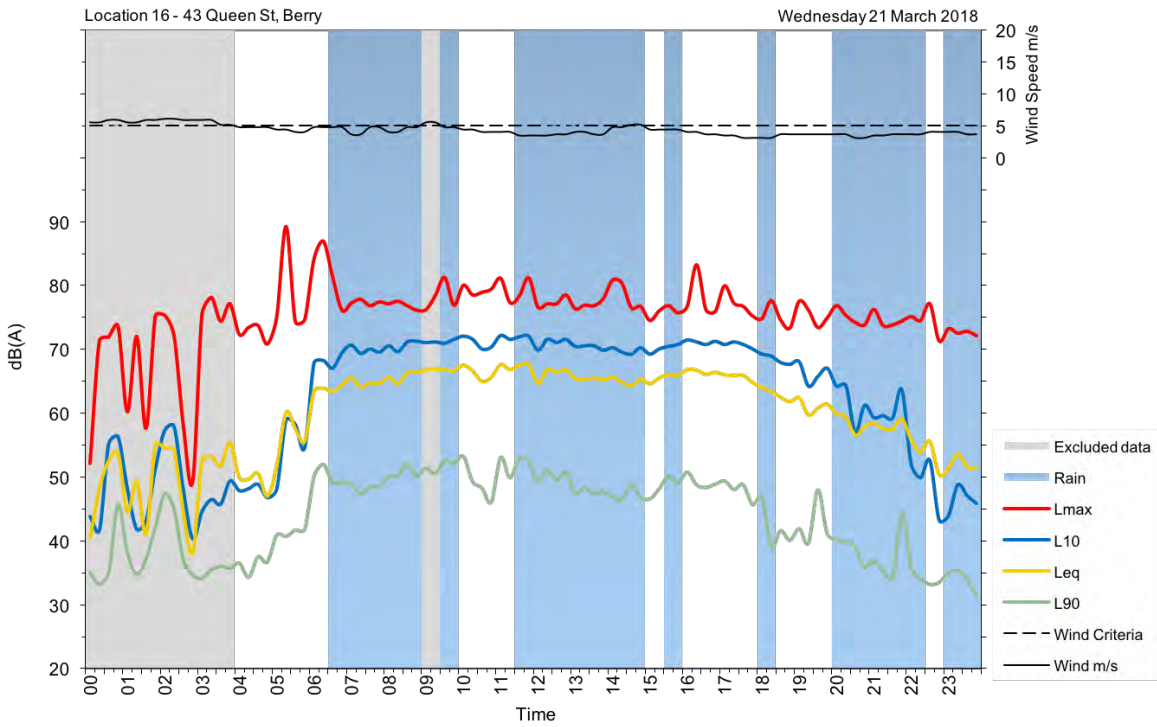


Date	Day, L <sub>Aeq</sub> (15-hour)	Night, L <sub>Aeq</sub> (9-hour)
Thursday, 15 March 2018	62	62
Friday, 16 March 2018	63	57
Saturday, 17 March 2018	63	52
Sunday, 18 March 2018	62	61
Monday, 19 March 2018	62	55
Tuesday, 20 March 2018	64	64
Wednesday, 21 March 2018	65	62
Thursday, 22 March 2018	64	50
Friday, 23 March 2018	64	59
Saturday, 24 March 2018	64	55
Sunday, 25 March 2018	62	57
Monday, 26 March 2018	64	59
Tuesday, 27 March 2018	63	
Wednesday, 28 March 2018	62	62
<b>Overall</b>	<b>63</b>	<b>59</b>

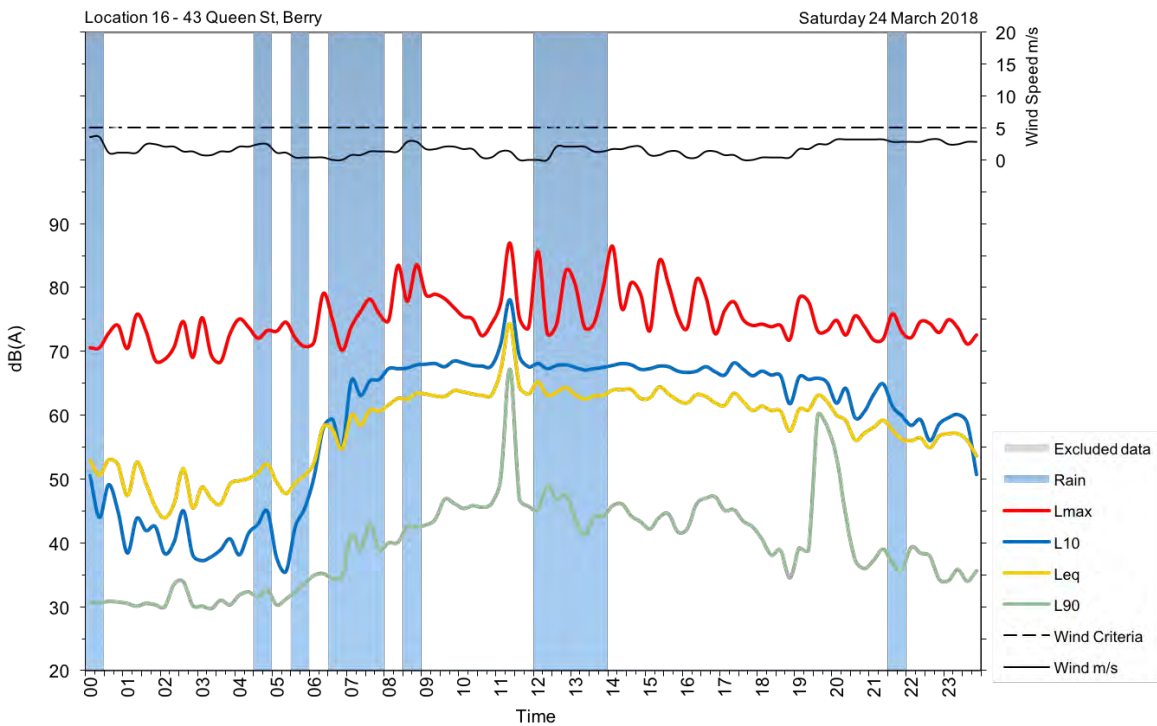
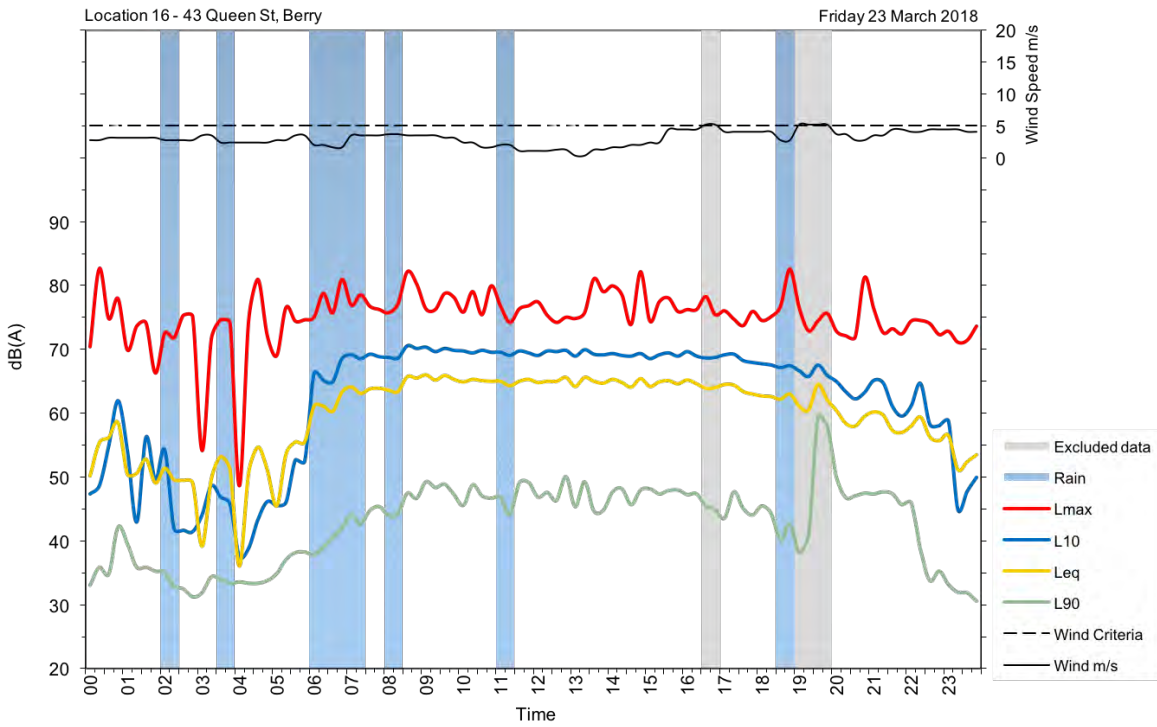


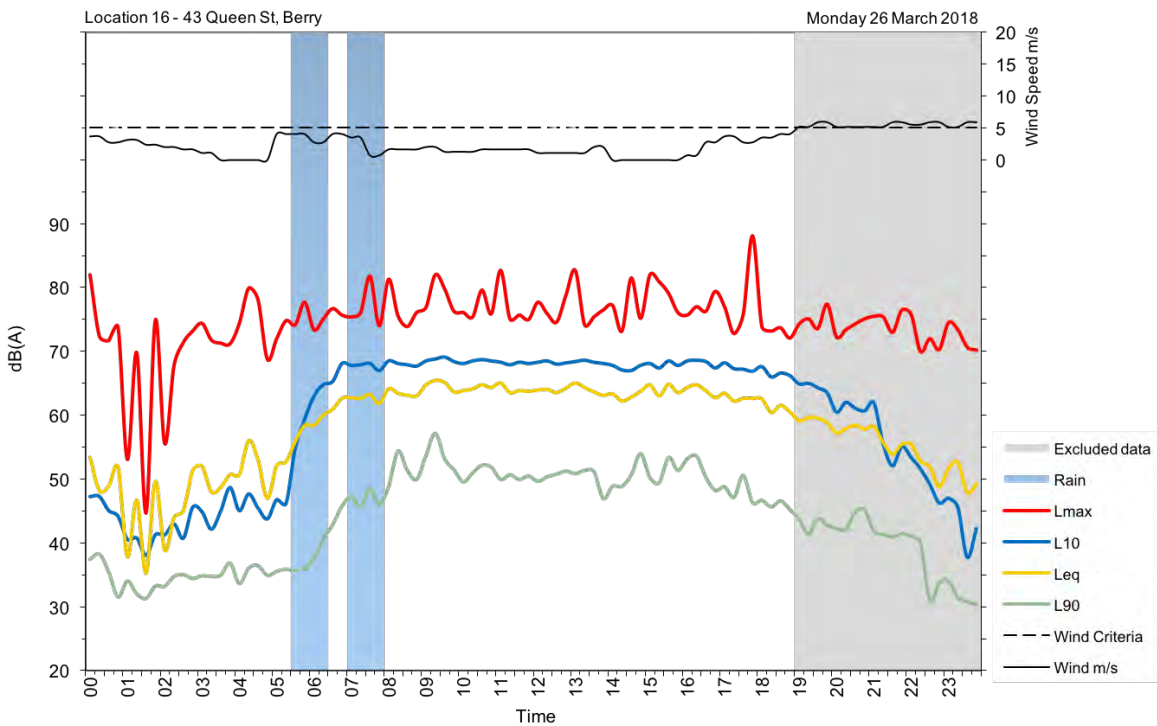
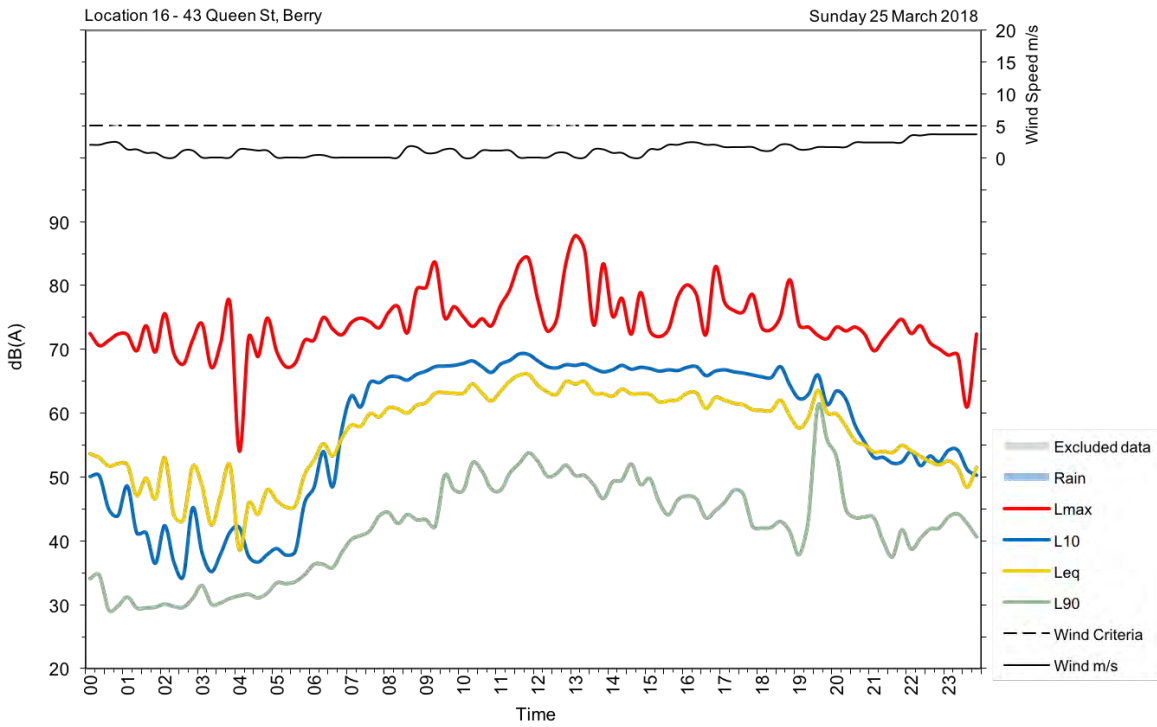


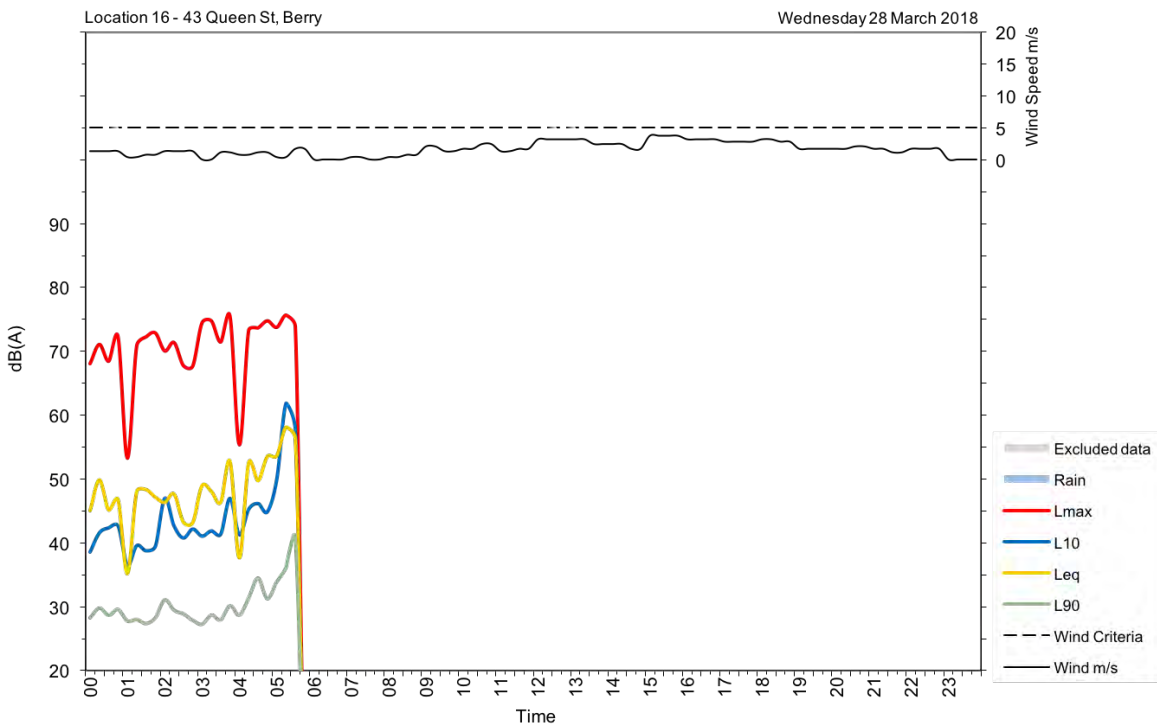
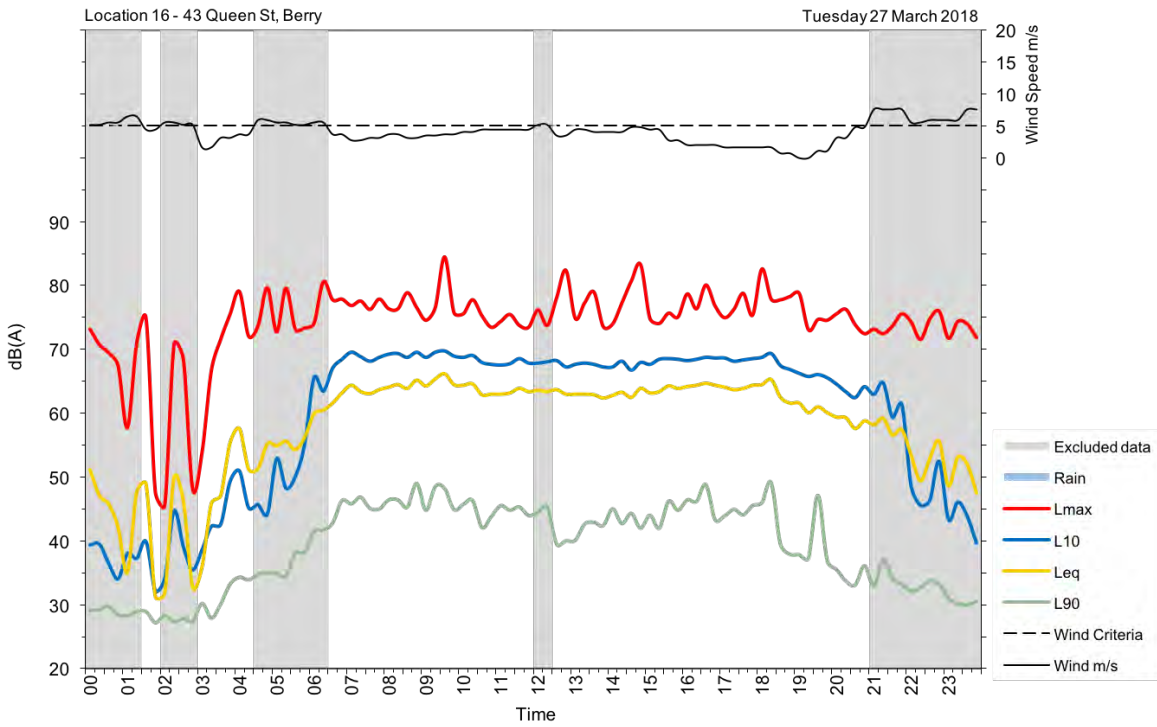












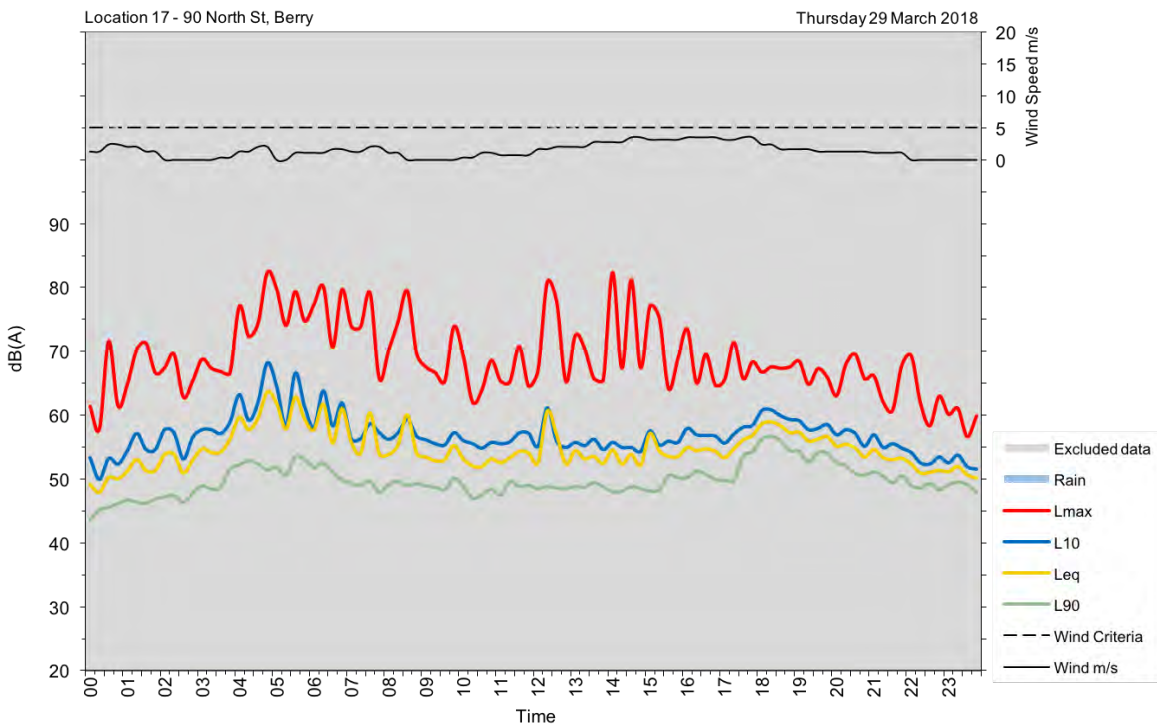
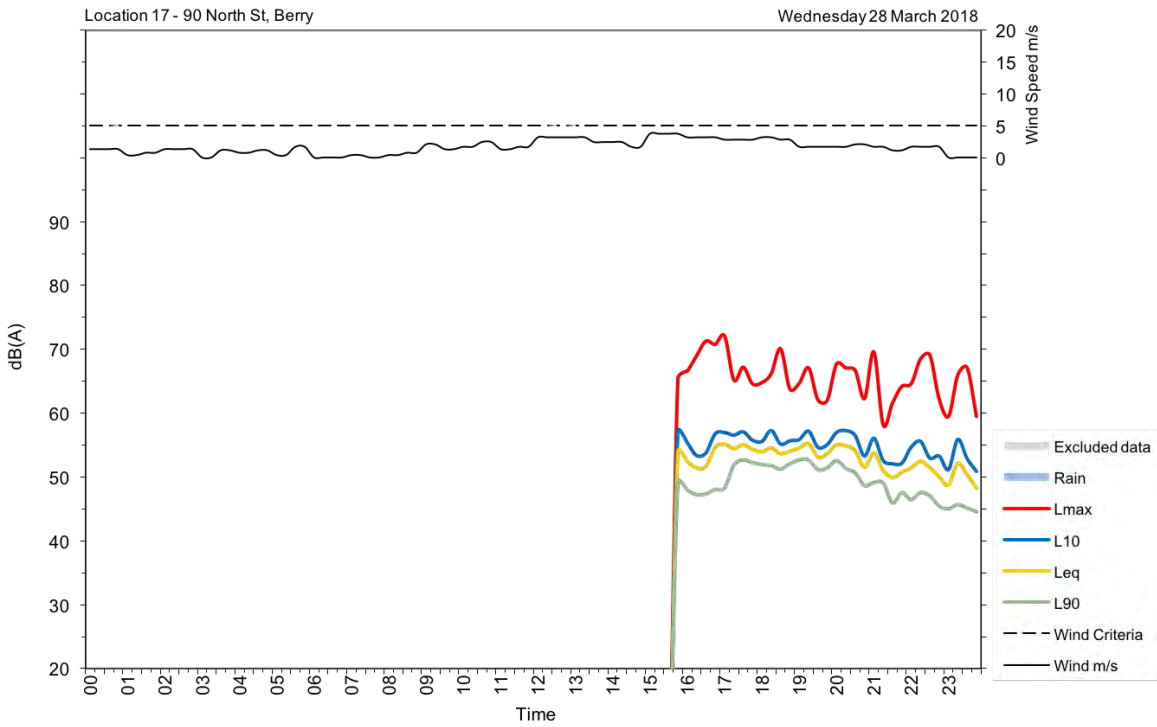
## U17

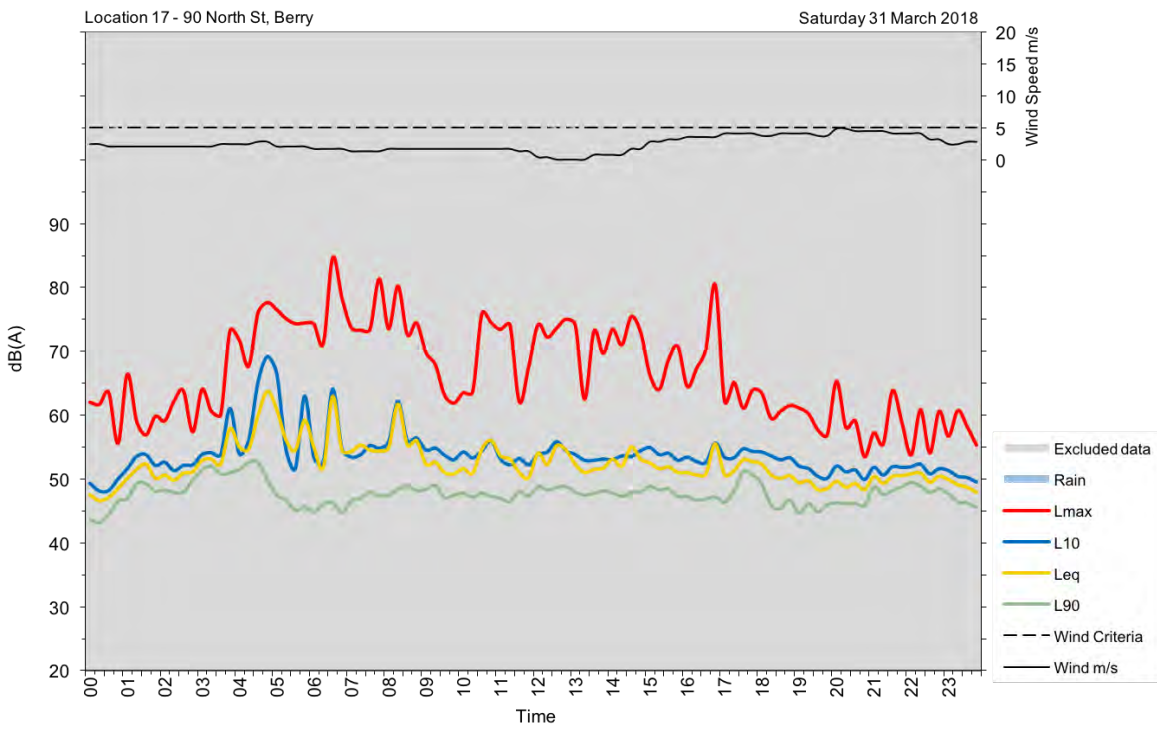
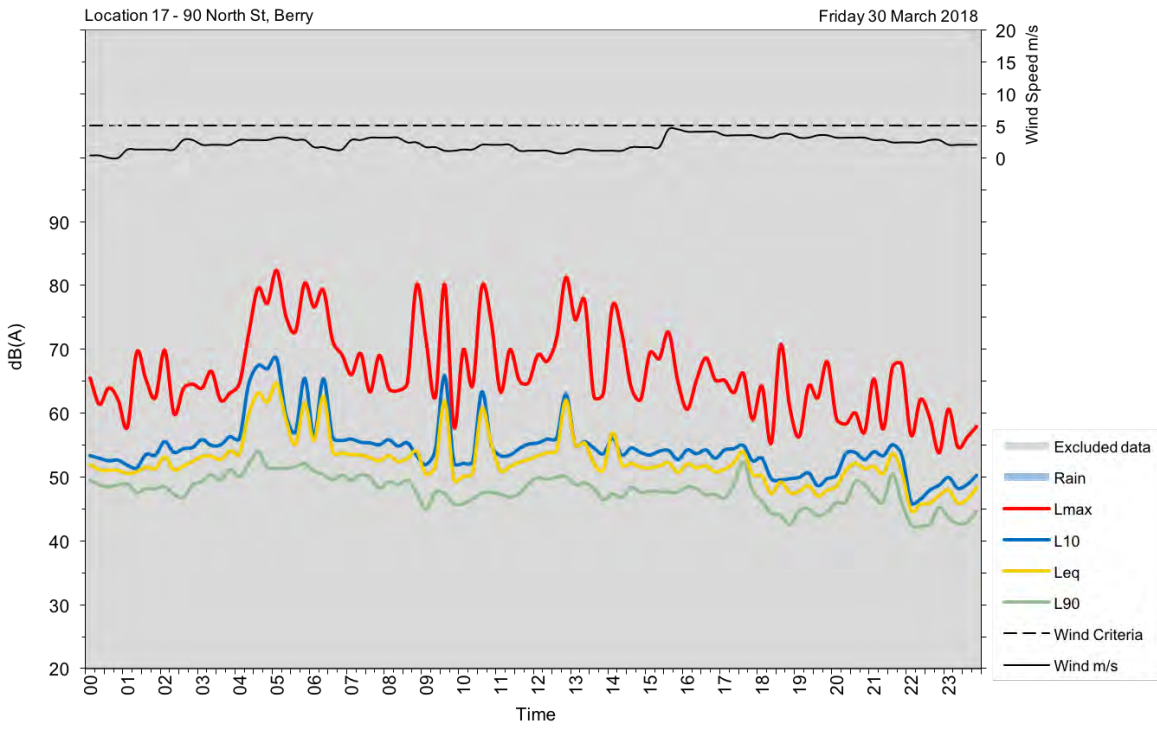
<b>Address/location</b>	90 North Street, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Logging period</b>	Wednesday, 28 March 2018 to Tuesday, 10 April 2018

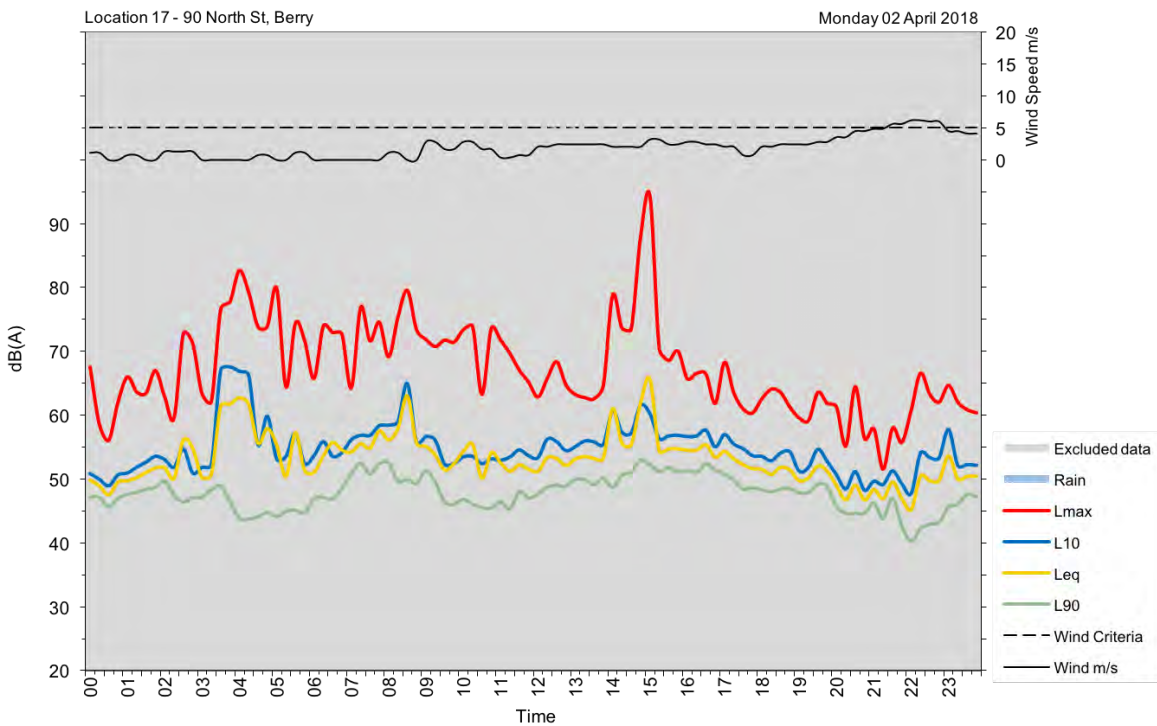
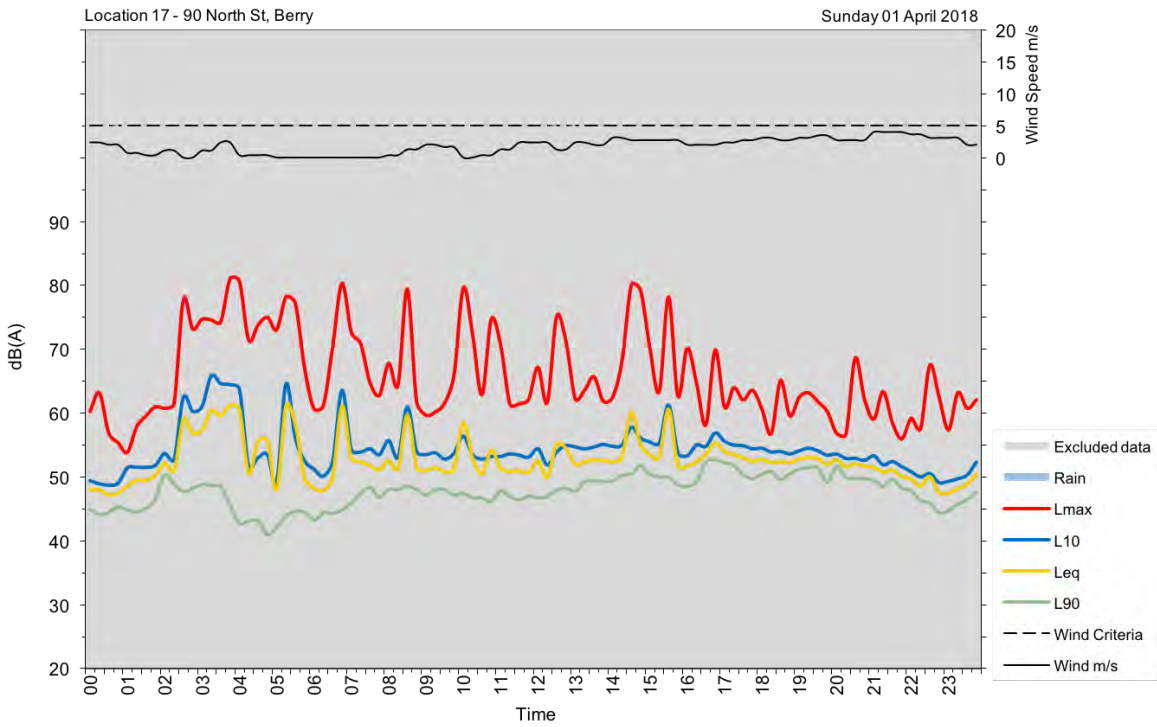


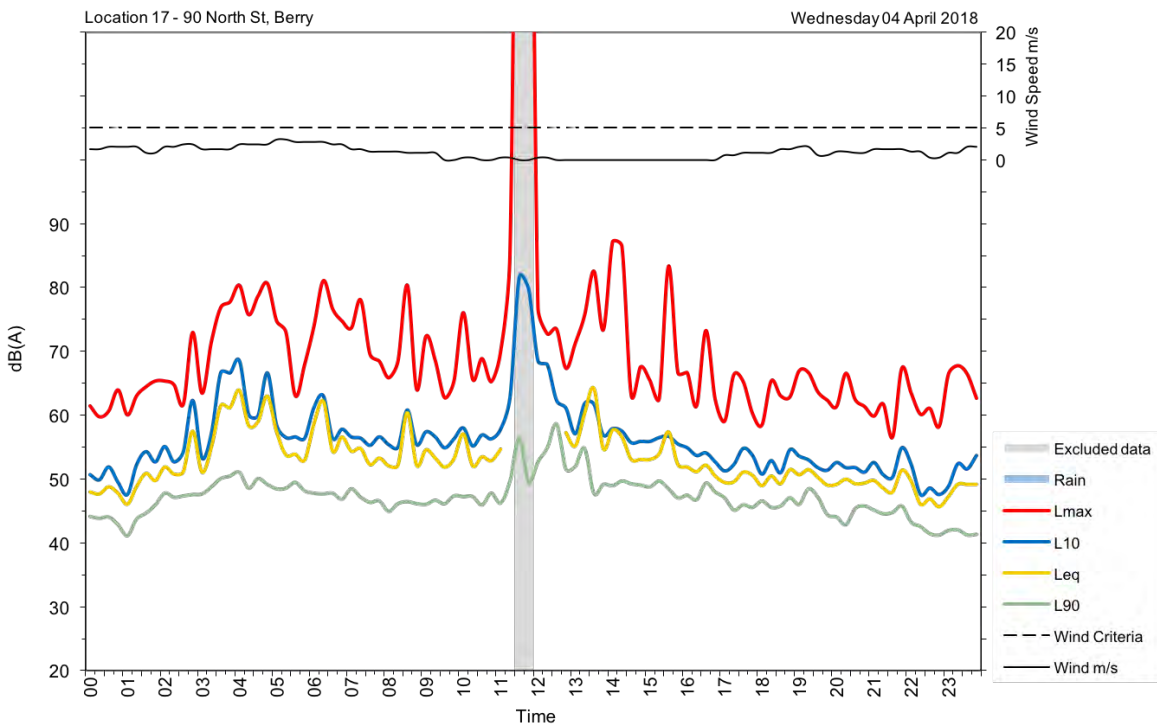
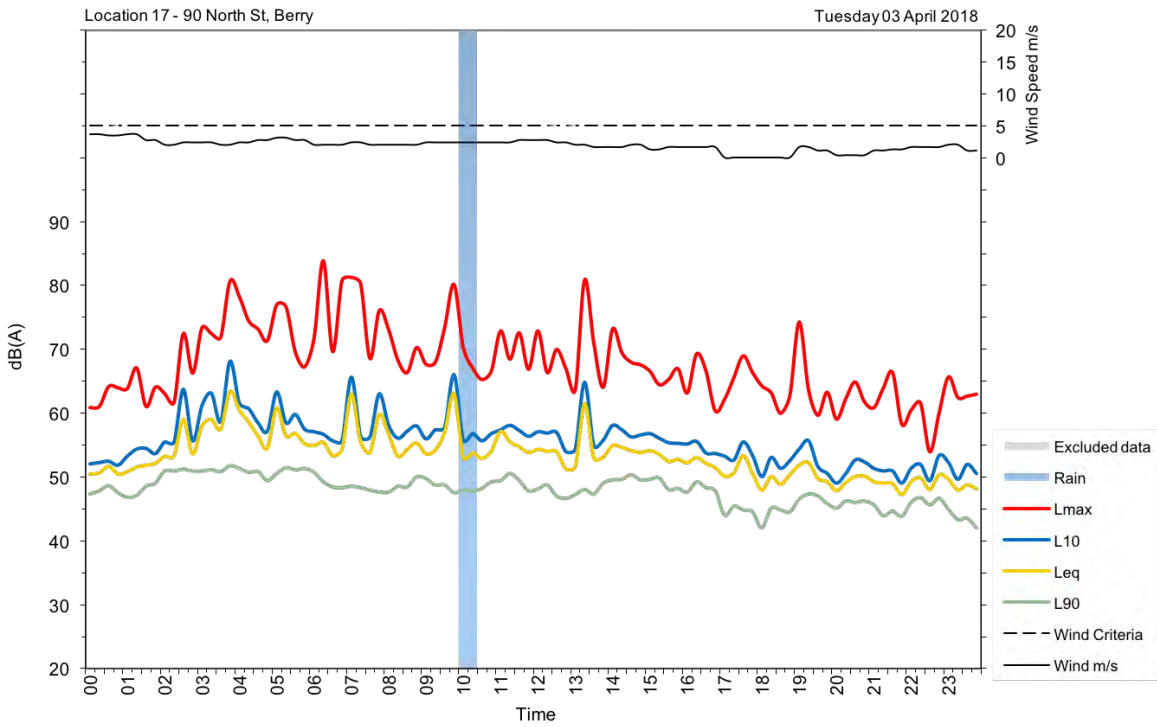
<b>Date</b>	<b>Day, L<sub>Aeq</sub>(15-hour)</b>	<b>Night, L<sub>Aeq</sub>(9-hour)</b>
Wednesday, 28 March 2018	54	52
Thursday, 29 March 2018	53	52
Friday, 30 March 2018	51	
Saturday, 31 March 2018	51	53
Sunday, 1 April 2018	52	51
Monday, 2 April 2018	53	53
Tuesday, 3 April 2018	54	52
Wednesday, 4 April 2018	53	52
Thursday, 5 April 2018	53	52
Friday, 6 April 2018	54	52
Saturday, 7 April 2018	52	49
Sunday, 8 April 2018	53	51
Monday, 9 April 2018	54	48
Tuesday, 10 April 2018	53	
<b>Overall</b>	<b>53</b>	<b>51</b>

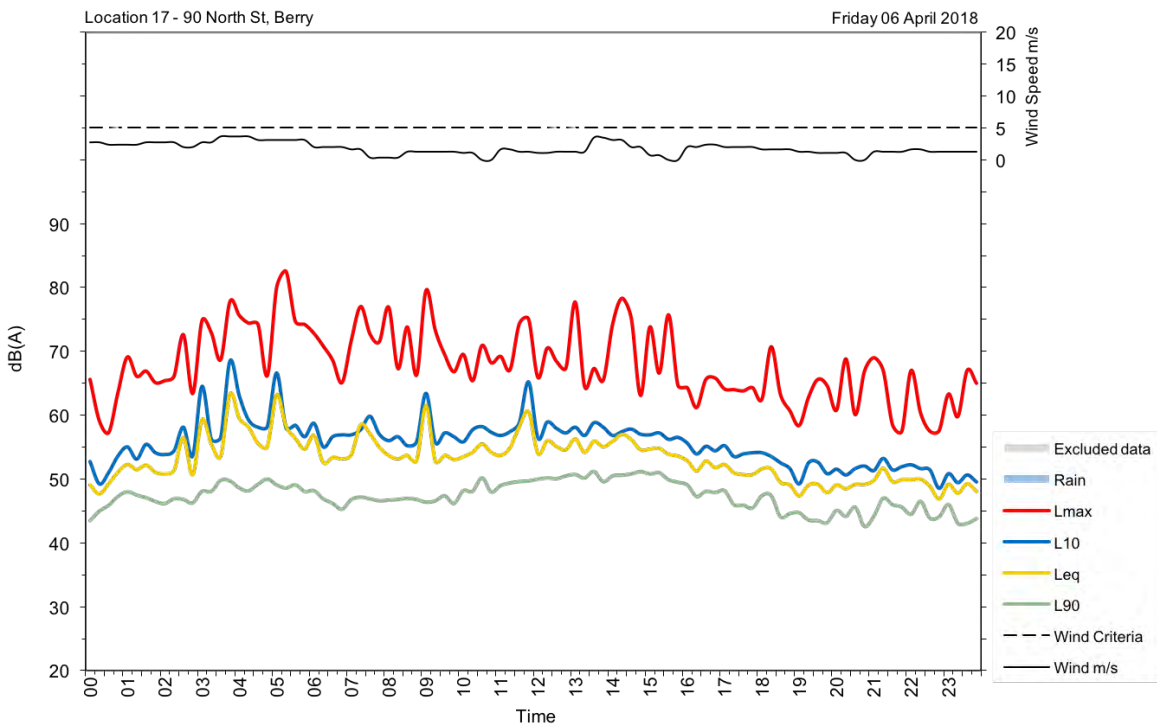
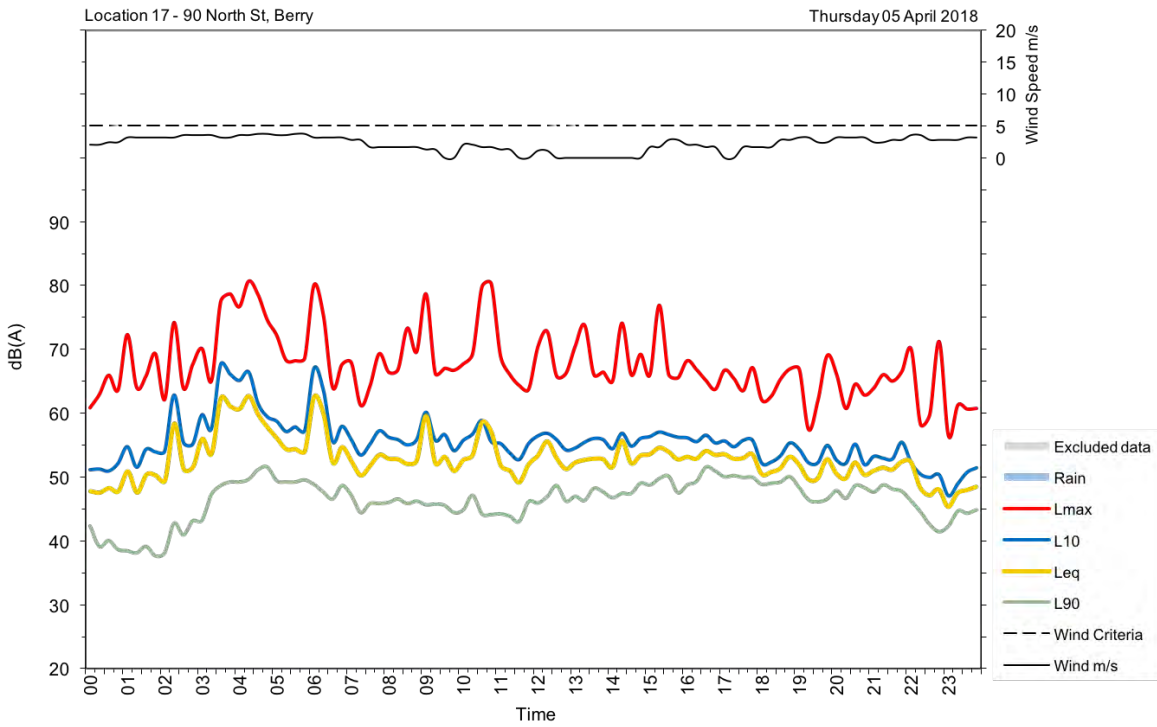




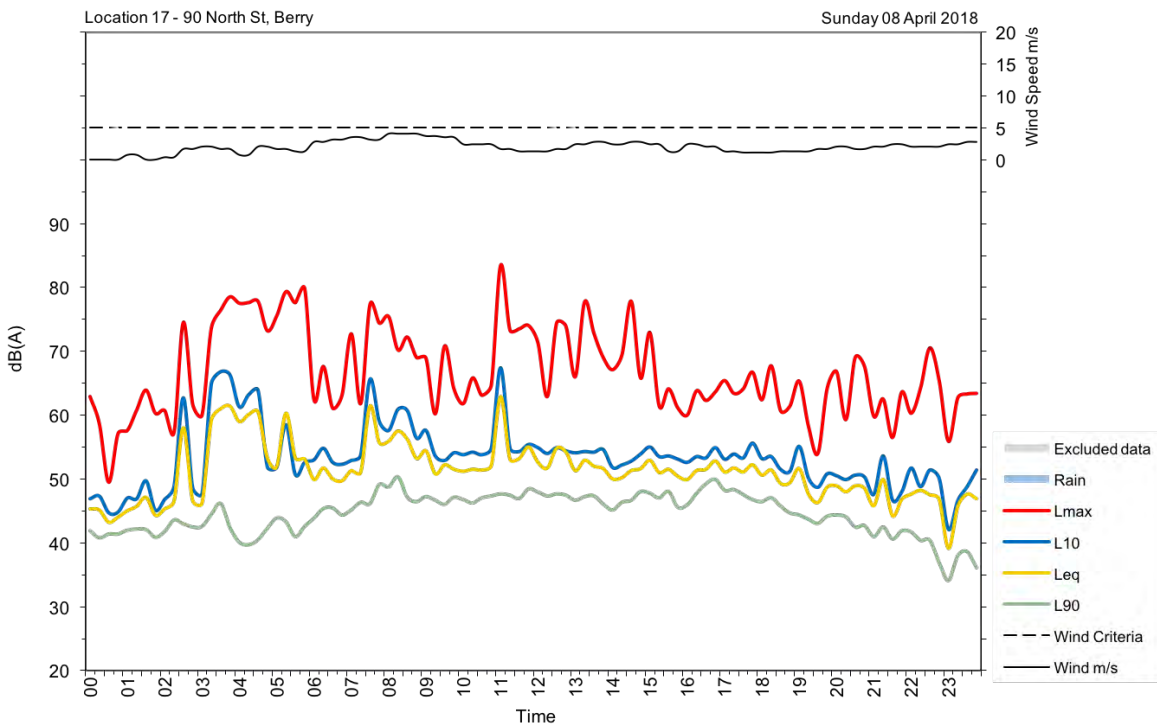
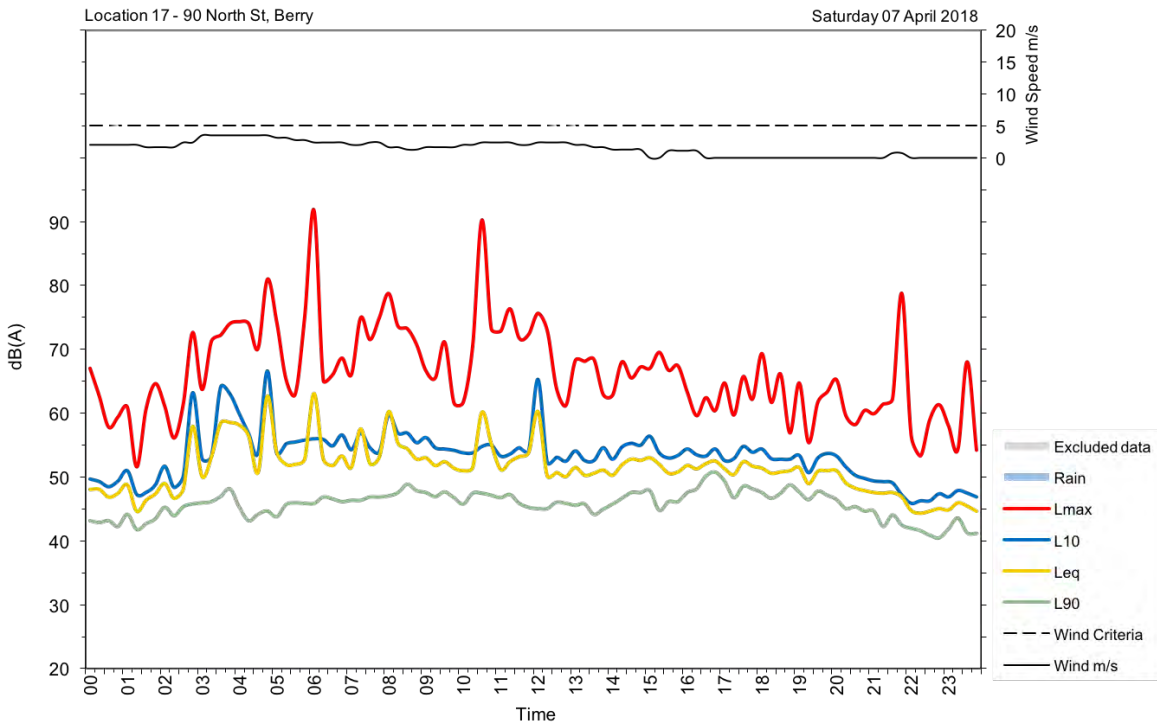


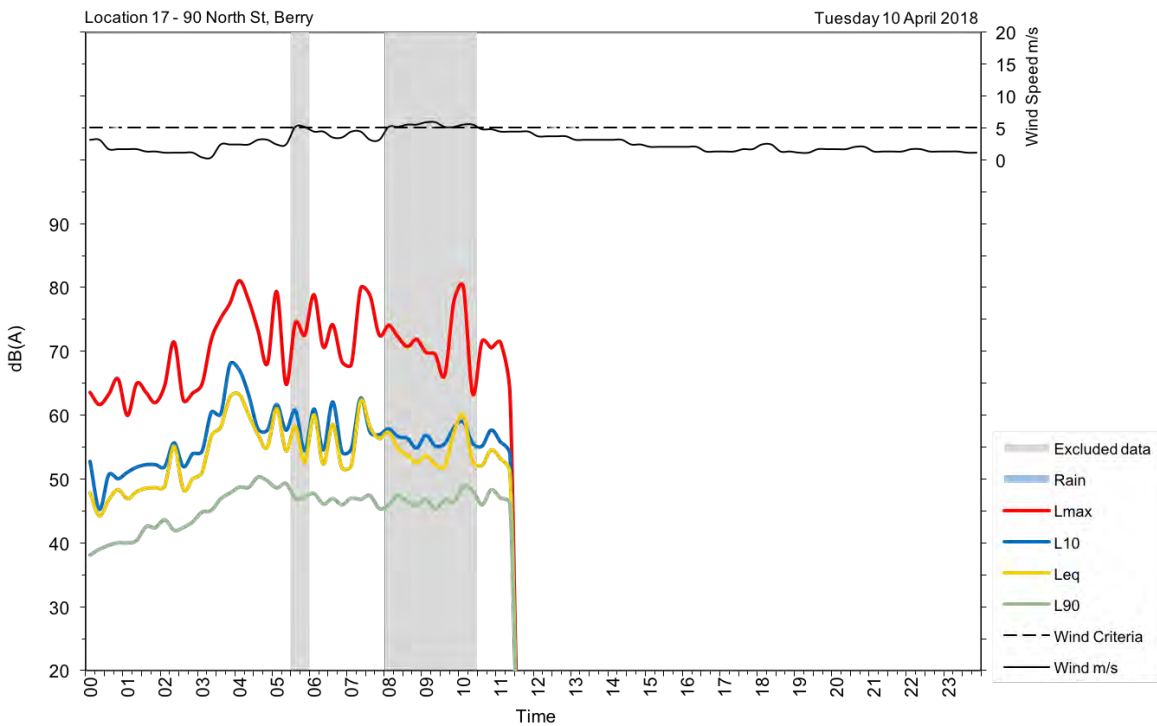
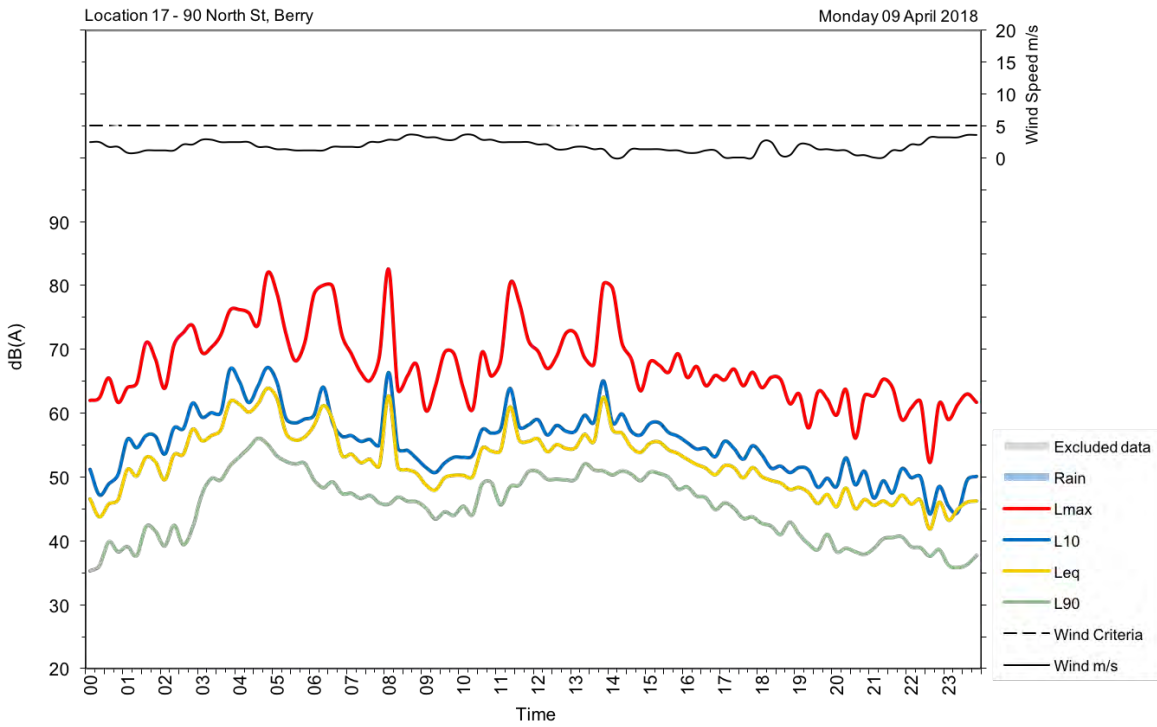












# Appendix D

## Operator-attended noise measurement location maps



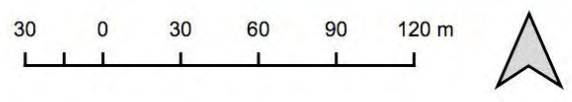


**FOXGROUND BERRY BYPASS  
Post Construction Noise Assessment**

Operator-attended noise  
measurement locations

**Measurement locations**  
● Attended

Date: 30 May 2018  
Client: Roads and Maritime Services  
Project: S180187  
Drawn by: POH  
CRS: EPSG:28356





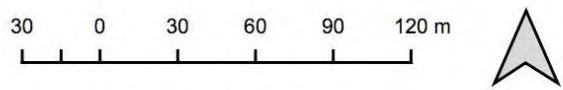


**FOXGROUND BERRY BYPASS**  
**Post Construction Noise Assessment**

Operator-attended noise measurement locations

**Measurement locations**  
 ● Attended

Date: 30 May 2018  
 Client: Roads and Maritime Services  
 Project: S180187  
 Drawn by: POH  
 CRS: EPSG:28356





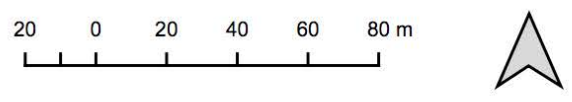


**FOXGROUND BERRY BYPASS**  
**Post Construction Noise Assessment**

Operator-attended noise  
measurement locations

**Measurement locations**  
● Attended

Date: 30 May 2018  
Client: Roads and Maritime Services  
Project: S180187  
Drawn by: POH  
CRS: EPSG:28356





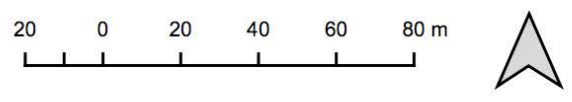


**FOXGROUND BERRY BYPASS**  
**Post Construction Noise Assessment**

Operator-attended noise  
measurement locations

**Measurement locations**  
● Attended

Date: 30 May 2018  
Client: Roads and Maritime Services  
Project: S180187  
Drawn by: POH  
CRS: EPSG:28356





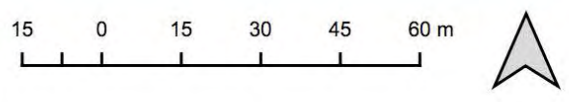


**FOXGROUND BERRY BYPASS  
Post Construction Noise Assessment**

Operator-attended noise  
measurement locations

**Measurement locations**  
 Attended

Date: 30 May 2018  
 Client: Roads and Maritime Services  
 Project: S180187  
 Drawn by: POH  
 CRS: EPSG:28356





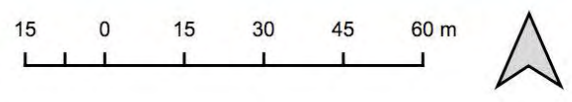


**FOXGROUND BERRY BYPASS**  
**Post Construction Noise Assessment**

Operator-attended noise measurement locations

**Measurement locations**  
 ● Attended

Date: 30 May 2018  
 Client: Roads and Maritime Services  
 Project: S180187  
 Drawn by: POH  
 CRS: EPSG:28356





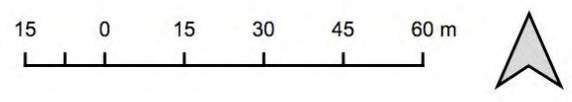


**FOXGROUND BERRY BYPASS**  
**Post Construction Noise Assessment**

Operator-attended noise measurement locations

**Measurement locations**  
 ● Attended

Date: 30 May 2018  
 Client: Roads and Maritime Services  
 Project: S180187  
 Drawn by: POH  
 CRS: EPSG:28356





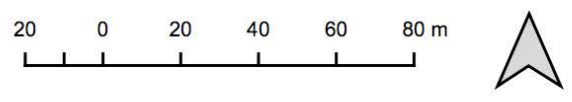


**FOXGROUND BERRY BYPASS**  
**Post Construction Noise Assessment**

Operator-attended noise measurement locations

**Measurement locations**  
● Attended

Date: 30 May 2018  
Client: Roads and Maritime Services  
Project: S180187  
Drawn by: POH  
CRS: EPSG:28356





# Appendix E

## Operator-attended noise measurement information

A1

<b>Address/location</b>	A371 Princes Hwy, Broughton Village
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	15:53, 14-03-2018
<b>Weather conditions</b>	No breeze, sunny, no cloud cover

<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	75	62	56
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Minimal traffic 50 dBA</li> <li>• Typical truck pass-by 65 – 70 dB(A)</li> <li>• Moderate traffic 60 dB(A)</li> <li>• Compression braking up to 75 dB(A)</li> </ul>		





A2

<b>Address/location</b>	76 Woodhill Mountain Rd, Berry
<b>Measurement location</b>	1 m from façade at 1.9 m height
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Duration (min)</b>	15
<b>Start time/date</b>	10:28, 19-03-2018
<b>Weather conditions</b>	Slight breeze, sunny, no cloud cover

<b>Measurement results</b>	<b><math>L_{AFmax}</math></b>	<b><math>L_{Aeq}</math></b>	<b><math>L_{A90}</math></b>
	74	55	46
<b>Observations, <math>L_{AF}</math> (dB)</b>	<ul style="list-style-type: none"> <li>• Some farm bird noise noted 70-73 dB(A)</li> <li>• Dogs barking 62 dB(A)</li> <li>• Typical light vehicle range 47-53 dB(A)</li> <li>• Typical heavy vehicle range 54-58 dB(A)</li> <li>• Compression braking up to 70 dB(A)</li> <li>• Truck on local road 58 dB(A)</li> <li>• Intermittent noise when heavy vehicles drive over bridge seals 72 dB(A)</li> </ul>		



**A3**

<b>Address/location</b>	468 Donovan Rd, Broughton Village
<b>Measurement location</b>	Free-field at logger location
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:43, 14-03-2018
<b>Weather conditions</b>	Slight breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	77	62	56
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 61-63 dB(A)</li> <li>• Typical heavy vehicle range 64-68 dB(A)</li> <li>• Compression braking up to 76 dB(A)</li> </ul>		

**A4(i)**

<b>Address/location</b>	77 Albert St St, Berry (Berry Uniting Church)
<b>Measurement location</b>	External measurement 1 m from facade
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	14:24, 15-03-2018
<b>Weather conditions</b>	No breeze, moderate cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	70	45	41
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Loud vehicle on Albert St 59 dB(A)</li> <li>• Small water pump at approximately 15m away (intermittent) 45 dB(A)</li> <li>• Nearby person shouting 70 dB(A)</li> <li>• Difficult to discern noise contribution from Princes Highway</li> </ul>		

**A4(ii)**

<b>Address/location</b>	77 Albert St St, Berry (Berry Uniting Church)
<b>Measurement location</b>	Internal measurement
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Duration (min)</b>	15
<b>Start time/date</b>	14:24, 15-03-2018
<b>Weather conditions</b>	N/A

<b>Measurement results</b>	<b><math>L_{AFmax}</math></b>	<b><math>L_{Aeq}</math></b>	<b><math>L_{A90}</math></b>
	47	30	26
<b>Observations, <math>L_{AF}</math> (dB)</b>	<ul style="list-style-type: none"> <li>• Dominant traffic source Albert St through stained glass window</li> <li>• Loud vehicle on Albert St 45 dB(A)</li> <li>• Typical vehicle pass-by 30 dB(A)</li> <li>• Dog barking 43 dB(A)</li> <li>• Low levels of 26 dB(A)</li> </ul>		





**A5(i)**

<b>Address/location</b>	80 North St, Berry (St Patricks Catholic Church)
<b>Measurement location</b>	External measurement
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Duration (min)</b>	15
<b>Start time/date</b>	15:34, 15-03-2018
<b>Weather conditions</b>	No breeze, moderate cloud cover

<b>Measurement results</b>	<b><math>L_{AFmax}</math></b>	<b><math>L_{Aeq}</math></b>	<b><math>L_{A90}</math></b>
	69	50	46
<b>Observations, <math>L_{AF}</math> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 50-53 dB(A)</li> <li>• Typical heavy vehicle range 56-59 dB(A)</li> <li>• Audible contribution from south side of community building annex</li> <li>• Motorbike 60 dB(A)</li> </ul>		



**A5(ii)**

<b>Address/location</b>	80 North St, Berry (St Patricks Catholic Church)
<b>Measurement location</b>	Internal measurement
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	15:34, 15-03-2018
<b>Weather conditions</b>	N/A

<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	49	32	28
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• All windows and external doors closed</li> <li>• Typical heavy vehicle range of 35-36 dB(A)</li> <li>• Loud truck with compression braking 38 dB(A)</li> <li>• Low levels of 27 dB(A)</li> </ul>		



**A6**

<b>Address/location</b>	46 Princes Hwy, Broughton Village
<b>Measurement location</b>	Free-field at logger location with direct line of sight to Princes Highway
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	10:32, 16-03-2018
<b>Weather conditions</b>	Light breeze, moderate cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	70	52	44
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Extraneous noise: insects, horses grazing</li> <li>• Quad bike pass-by 70 dB(A)</li> <li>• Typical light vehicle range 45-50 dB(A)</li> <li>• Typical heavy vehicle range 54-59 dB(A)</li> <li>• Compression braking 58 dB(A)</li> <li>• Additional contribution from Donovan Road</li> <li>• Tractor on Donovan Road 60 dB(A)</li> </ul>		

**A7**

<b>Address/location</b>	40 Austral Park Rd, Berry
<b>Measurement location</b>	2 m from facade at logger location
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:39, 14-03-2018
<b>Weather conditions</b>	No breeze, sunny, minimal cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
		74	53
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Low levels of 47 dB(A)</li> <li>• Typical busy traffic range 55-58 dB(A)</li> <li>• Typical heavy vehicle levels 60 dB(A)</li> <li>• Truck compression braking 63 dB(A)</li> <li>• Light vehicle accelerating on local road 54 dB(A)</li> <li>• L<sub>AFmax</sub> due to tree debris falling on house roof</li> </ul>		



**A8**

<b>Address/location</b>	185A Princes Hwy, Berry
<b>Measurement location</b>	1 m from facade at logger location
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	09:55, 15-03-2018
<b>Weather conditions</b>	No breeze, sunny, no cloud cover

<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	68	57	49
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Low level range of 45-47 dB(A)</li> <li>• Typical light vehicle range 60-62 dB(A)</li> <li>• Typical heavy vehicle range 64-67 dB(A)</li> <li>• Some extraneous noise from birds and insects was present</li> </ul>		



**A9**

<b>Address/location</b>	140A Princes Hwy, Berry
<b>Measurement location</b>	Free-field at logger location
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	11:06, 15-03-2018
<b>Weather conditions</b>	No breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	63	47	42
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 42-46 dB(A)</li> <li>• Typical heavy vehicle range 50-52 dB(A)</li> <li>• L<sub>AFmax</sub> not a result of road traffic</li> <li>• Some extraneous noise from nearby bat colony audible</li> </ul>		

**A10**

<b>Address/location</b>	117 North St, Berry
<b>Measurement location</b>	Free-field at logger location
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	11:04, 15-03-2018
<b>Weather conditions</b>	Light breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	58	51	41
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• High levels of insect noise on property side of noise mound 50-56 dB(A)</li> <li>• No adverse noise contribution from nearby trees</li> <li>• Minimal line of sight to Princes Highway due to noise mound</li> <li>• Noise perceived from the north where noise mound ends</li> <li>• Typical light vehicle range 45-50 dB(A)</li> <li>• Typical heavy vehicle range 46-50 dB(A)</li> <li>• Low level range of 38-39 dB(A)</li> </ul>		



**A11**

<b>Address/location</b>	130 North St, Berry
<b>Measurement location</b>	1 m from facade at logger location
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Duration (min)</b>	15
<b>Start time/date</b>	11:58, 16-03-2018
<b>Weather conditions</b>	No breeze, moderate to high cloud cover



<b>Measurement results</b>	<b><math>L_{AFmax}</math></b>	<b><math>L_{Aeq}</math></b>	<b><math>L_{A90}</math></b>
	67	49	42
<b>Observations, <math>L_{AF}</math> (dB)</b>	<ul style="list-style-type: none"> <li>• No line of sight with Princes Highway due to noise mound</li> <li>• Light vehicle on North Street 67 dB(A)</li> <li>• Typical light vehicle range 46-47 dB(A)</li> <li>• Typical heavy vehicle range 52-63 dB(A)</li> </ul>		



A12a

<b>Address/location</b>	Mark Radium Park
<b>Measurement location</b>	Free-field at logger location
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	13:30, 16-03-2018
<b>Weather conditions</b>	No breeze, moderate to high cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	72	60	53
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Extraneous levels from doors slams in car park area</li> <li>• Low levels of 46-49 dB(A)</li> <li>• Typical light vehicle range 60-65 dB(A)</li> <li>• Typical heavy vehicle range 67-72 dB(A)</li> <li>• Loud accelerations noted at southbound on-ramp from roundabout</li> <li>• Direct line of sight to Princes Highway</li> </ul>		

**A12b**

<b>Address/location</b>	9 Windsor Dr, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	11:53, 14-03-2018
<b>Weather conditions</b>	Light breeze, sunny, moderate cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	68	58	52
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Extraneous noise from birds and barking dog</li> <li>• Typical light vehicle range 53-54 dB(A)</li> <li>• Typical heavy vehicle range 62-63 dB(A)</li> <li>• Low levels of 45 dB(A)</li> <li>• Loud motorbike 68 dB(A)</li> <li>• Bedroom windows overlook fence and have direct line of sight to Princes Highway</li> </ul>		

**A13**

<b>Address/location</b>	8 Huntingdale Park Rd, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:22, 14-03-2018
<b>Weather conditions</b>	Light breeze, sunny, minimal cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	75	59	54
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Line of sight to Princes Highway to the south at noise mound taper</li> <li>• Typical light vehicle range 53-58 dB(A)</li> <li>• Typical heavy vehicle range 63-64 dB(A)</li> <li>• Some low level insect noise</li> <li>• Vehicles on Huntingdale Park Road 60-71 dB(A)</li> </ul>		

**A14a(i)**

<b>Address/location</b>	1 Pepper Farm Dr, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:20, 15-03-2018
<b>Weather conditions</b>	Moderate breeze, moderate to heavy cloud cover



<b>Measurement results</b>	$L_{AFmax}$	$L_{Aeq}$	$L_{A90}$
	65	51	47
<b>Observations, <math>L_{AF}</math> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 46-50 dB(A)</li> <li>• Typical heavy vehicle range 54-58 dB(A)</li> <li>• Extraneous noise from birds and barking dog 60 dB(A) and 52 dB(A) respectively</li> </ul>		



**A14a(ii)**

<b>Address/location</b>	3 Little Corella Ct, Berry
<b>Measurement location</b>	
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:20, 15-03-2018
<b>Weather conditions</b>	Moderate breeze, moderate to heavy cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	65	46	41
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Vehicle pass-by on local street 60-63 dB(A)</li> <li>• Loud trucks on Princes Highway 47 dB(A)</li> <li>• Train horn 65 dB(A)</li> <li>• Low levels of 42 dB(A)</li> </ul>		

**A14a(iii)**

<b>Address/location</b>	10 Little Corella Ct, Berry
<b>Measurement location</b>	
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:20, 15-03-2018
<b>Weather conditions</b>	Moderate breeze, moderate to heavy cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	66	48	40
<b>Observations, L<sub>AF</sub> (dB)</b>	•		

**A14b(i)**

<b>Address/location</b>	60 Little Corella Ct, Berry
-------------------------	-----------------------------



<b>Measurement location</b>	Free-field at logger location
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Duration (min)</b>	15
<b>Start time/date</b>	17:05, 15-03-2018
<b>Weather conditions</b>	Light breeze, moderate to heavy cloud cover

<b>Measurement results</b>	<b><math>L_{AFmax}</math></b>	<b><math>L_{Aeq}</math></b>	<b><math>L_{A90}</math></b>
	71	52	47
<b>Observations, <math>L_{AF}</math> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 48-53 dB(A)</li> <li>• Typical heavy vehicle range 56-58 dB(A)</li> <li>• Loud heavy vehicles 62-63 dB(A)</li> </ul>		

**A14b(ii)**

<b>Address/location</b>	48 Little Corella Ct, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	17:05, 15-03-2018
<b>Weather conditions</b>	Light breeze, moderate to heavy cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	58	46	42
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Low level range 38-41 dB(A)</li> <li>• Typical light vehicle range 40-45 dB(A)</li> <li>• Typical heavy vehicle range 51-56 dB(A)</li> <li>• Bird noises 54-55 dB(A)</li> <li>• Extraneous noise from low-level conversation nearby, some insect noise and train horn</li> </ul>		



**A14b(iii)**

<b>Address/location</b>	27 Little Corella Ct, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	17:05, 15-03-2018
<b>Weather conditions</b>	Moderate breeze, moderate to heavy cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	78	41	36
<b>Observations, L<sub>AF</sub> (dB)</b>	•		



**A15a**

<b>Address/location</b>	5 Mullers Ln, Berry
<b>Measurement location</b>	At logger location
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	09:37, 15-03-2018
<b>Weather conditions</b>	Light breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	64	55	48
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Some extraneous noise from insects</li> <li>• Typical low levels of 38-40 dB(A)</li> <li>• Typical light vehicle range 50-56 dB(A)</li> <li>• Loud motorbike 58 dB(A)</li> <li>• Typical heavy vehicle range 57-64 dB(A)</li> </ul>		

**A15b**

<b>Address/location</b>	5 Mullers Ln, Berry
<b>Measurement location</b>	1 m from building facade
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	09:55, 15-03-2018
<b>Weather conditions</b>	Light breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	79	58	50
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Measured at facade in semi-enclosed veranda</li> <li>• Truck compression braking &gt; 75 dB(A)</li> <li>• Low levels of 41 dB(A)</li> <li>• Typical heavy vehicle range 65-67 dB(A)</li> </ul>		

**A16**

<b>Address/location</b>	43 Queen St, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	09:52, 15-03-2018
<b>Weather conditions</b>	No breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	76	63	46
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 65-70 dB(A)</li> <li>• Typical heavy vehicle range 71-72 dB(A)</li> <li>• Truck acceleration 82 dB(A)</li> <li>• Typical low levels 33-37 dB(A)</li> </ul>		



**A17**

<b>Address/location</b>	90 North St, Berry
<b>Measurement location</b>	1 m from facade
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	15:30, 28-03-2018
<b>Weather conditions</b>	Light breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	75	55	49
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical low levels 42-44 dB(A)</li> <li>• Typical light vehicle range 50-56 dB(A)</li> <li>• Typical heavy vehicle range 61-64 dB(A)</li> <li>• Extraneous noise in measurement from metal-on-metal scraping nearby and bird noises</li> <li>• Light vehicle on North Street 55 dB(A)</li> </ul>		

**A18**

<b>Address/location</b>	1 Brangus Cl, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	14:08, 10-04-2018
<b>Weather conditions</b>	Moderate breeze, sunny, light cloud cover

<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	70	52	45
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 48-50 dB(A)</li> <li>• Typical heavy vehicle range 52-59 dB(A)</li> <li>• Heavy vehicles on local road 70 dB(A)</li> </ul>		



**A19**

<b>Address/location</b>	1 Lincoln Cl, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	14:40, 10-04-2018
<b>Weather conditions</b>	Light breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	79	59	46
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• High traffic area for nearby construction work</li> <li>• Typical light vehicle range 51-52 dB(A)</li> <li>• Typical heavy vehicle range 60-62 dB(A)</li> <li>• Light vehicles on local road range 62-69 dB(A)</li> <li>• Heavy vehicle on local road range 69-79 dB(A)</li> </ul>		

**A20**

<b>Address/location</b>	1 Host Pl, Berry
<b>Measurement location</b>	Two storey measurement. Ground floor at 1.5 m. First floor at 3.6 m.
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:09, 16-03-2018
<b>Weather conditions</b>	Light breeze, moderate to heavy cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
<b>Ground floor</b>	62	51	47
<b>First floor</b>	63	55	51
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Some extraneous noise from birds nearby 61-63 dB(A)</li> <li>• Vehicles on local road 58-60 dB(A)</li> </ul>		
	Ground floor <ul style="list-style-type: none"> <li>• Typical light vehicle range 45-48 dB(A)</li> <li>• Typical heavy vehicle range 55-57 dB(A)</li> </ul>	First floor <ul style="list-style-type: none"> <li>• Typical light vehicle range 52-54 dB(A)</li> <li>• Typical heavy vehicle range 60-62 dB(A)</li> </ul>	



**A21**

<b>Address/location</b>	14 Ford St, Berry
<b>Measurement location</b>	Two storey measurement. Ground floor at 1.5 m. First floor at 3.6 m.
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:36, 16-03-2018
<b>Weather conditions</b>	Light breeze, moderate to heavy cloud cover

<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
<b>Ground floor</b>	66	52	47
<b>First floor</b>	65	53	49
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>Some extraneous insect noise 53-54 dB(A)</li> <li>Low-level bird noise noted</li> </ul>		
	<b>Ground floor</b> <ul style="list-style-type: none"> <li>Typical light vehicle range 50-51 dB(A)</li> <li>Typical heavy vehicle range 55-56 dB(A)</li> <li>Vehicles on local road 58-66 dB(A)</li> </ul>	<b>First floor</b> <ul style="list-style-type: none"> <li>Typical light vehicle range 52-55 dB(A)</li> <li>Typical heavy vehicle range 56-58 dB(A)</li> <li>Vehicles on local road 60-65 dB(A)</li> </ul>	



**A22**

<b>Address/location</b>	North St, Berry
<b>Measurement location</b>	Near Rawlings Lane adjacent to north-bound on-ramp.
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	14:08, 10-04-2018
<b>Weather conditions</b>	Light breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	71	59	52
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 60-63 dB(A)</li> <li>• Typical heavy vehicle range 62-71 dB(A)</li> </ul>		

**A23**

<b>Address/location</b>	1 Queen St, Berry
<b>Measurement location</b>	Free-field. Opposite side of the road adjacent to roundabout.
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Duration (min)</b>	15
<b>Start time/date</b>	14:09, 10-04-2018
<b>Weather conditions</b>	Light breeze, moderate cloud cover

<b>Measurement results</b>	<b><math>L_{AFmax}</math></b>	<b><math>L_{Aeq}</math></b>	<b><math>L_{A90}</math></b>
	78	61	52
<b>Observations, <math>L_{AF}</math> (dB)</b>	•		



**A24**

<b>Address/location</b>	17 George St, Berry
<b>Measurement location</b>	Free-field behind noise mound
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:13, 10-04-2018
<b>Weather conditions</b>	Moderate breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	72	56	50
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 54-56 dB(A)</li> <li>• Typical heavy vehicle range 58-62 dB(A)</li> <li>• Extraneous noise from birds 66 dB(A)</li> </ul>		



**A25**

<b>Address/location</b>	102 North St, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	15:43, 10-04-2018
<b>Weather conditions</b>	Light breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	72	56	51
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical Princes Highway vehicle range 59-69 dB(A)</li> <li>• Light vehicles on local road 62-70 dB(A)</li> </ul>		

**A26**

<b>Address/location</b>	1 Pulman St, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	16:48, 10-04-2018
<b>Weather conditions</b>	Light breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	82	63	48
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle on local road range 66-72 dB(A)</li> <li>• Light vehicle acceleration 74 dB(A)</li> <li>• Typical heavy vehicle on local range 71-82 dB(A)</li> <li>• Princes Highway in distance</li> <li>• Typical levels on Princes Highway 48-53 dB(A)</li> </ul>		

**A27**

<b>Address/location</b>	9 Schofields Ln, Berry
<b>Measurement location</b>	Free-field
<b>Measurement details</b>	L <sub>AFmax</sub> , L <sub>Aeq</sub> , L <sub>A90</sub>
<b>Duration (min)</b>	15
<b>Start time/date</b>	17:15, 10-04-2018
<b>Weather conditions</b>	Light breeze, sunny, no cloud cover



<b>Measurement results</b>	<b>L<sub>AFmax</sub></b>	<b>L<sub>Aeq</sub></b>	<b>L<sub>A90</sub></b>
	76	66	60
<b>Observations, L<sub>AF</sub> (dB)</b>	<ul style="list-style-type: none"> <li>• Typical light vehicle range 66-69 dB(A)</li> <li>• Typical heavy vehicle range 73-76 dB(A)</li> <li>• Loud ute on local road 73 dB(A)</li> </ul>		

**A28**

<b>Address/location</b>	10 Windsor Dr, Berry
<b>Measurement location</b>	Two storey measurement. Ground floor at 1.5 m. First floor at 3.6 m.
<b>Measurement details</b>	$L_{AFmax}$ , $L_{Aeq}$ , $L_{A90}$
<b>Duration (min)</b>	15
<b>Start time/date</b>	15:34, 16-03-2018
<b>Weather conditions</b>	No breeze, moderate to heavy cloud cover

<b>Measurement results</b>	$L_{AFmax}$	$L_{Aeq}$	$L_{A90}$
<b>Ground floor</b>	76	56	45
<b>First floor</b>	76	57	48
<b>Observations, <math>L_{AF}</math> (dB)</b>	<ul style="list-style-type: none"> <li>• Extraneous noise from helicopter towards end of measurement 76 dB(A)</li> <li>• Extraneous noise from dogs barking intermittently 67-73 dB(A)</li> </ul>		
	Ground floor <ul style="list-style-type: none"> <li>• Typical light vehicle range 47-54 dB(A)</li> <li>• Typical heavy vehicle range 58-60 dB(A)</li> </ul>	First floor <ul style="list-style-type: none"> <li>• Typical light vehicle range 49-56 dB(A)</li> <li>• Typical heavy vehicle range 55-62 dB(A)</li> </ul>	

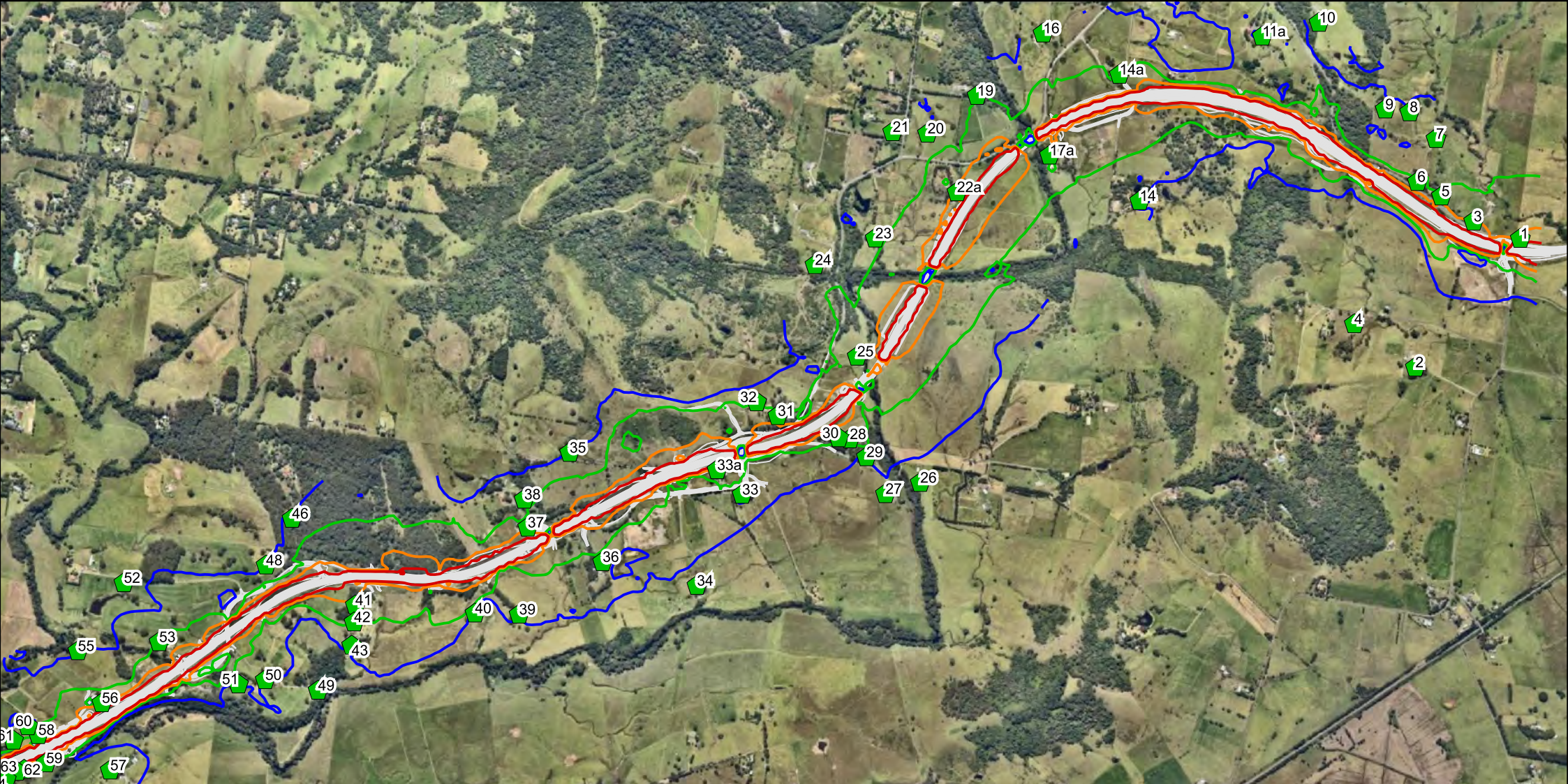




# Appendix F

Operational road traffic noise contours (Year 2027)





**FOXGROUND BERRY BYPASS**  
**FIGURE 9**  
**Predicted day-time road traffic**  
**noise levels - 2027**  
**SECTION 1: Toolijolla Road to**  
**Tindalls Lane**

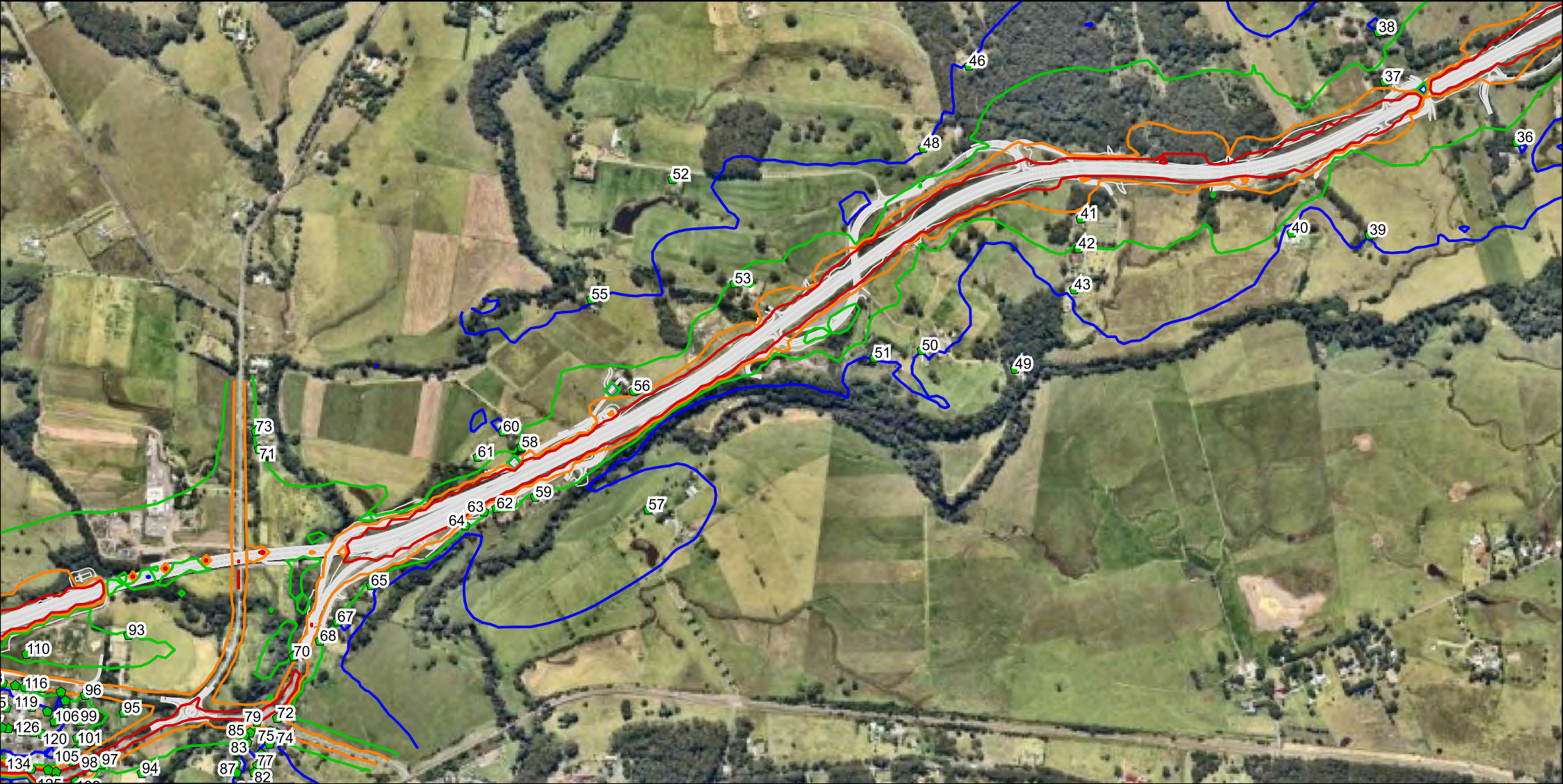
Date: 12 September 2018  
 Client: Fulton Hogan  
 Drawn by : BM  
 Report Reference: Operational  
 Noise Management - Final design  
 Design lot: FBB-NV-01

**Legend**

- ◆ Receivers
  - Final Design Alignment
  - Noise Mound
  - - - Huntingdale Park Road 800 mm Barrier
- Predicted noise level Leq,15h dB(A)
- 45 dB(A)
  - 50 dB(A)
  - 55 dB(A)
  - 60 dB(A)

**Resonate**





**FOXGROUND BERRY BYPASS**  
**FIGURE 10**  
**Predicted day-time road traffic**  
**noise levels - 2027**  
**SECTION 2: Berry North**  
**Interchange**

Date: 12 September 2018  
 Client: Fulton Hogan  
 Drawn by : BM  
 Report Reference: Operational  
 Noise Management - Final design  
 Design lot: FBB-NV-01

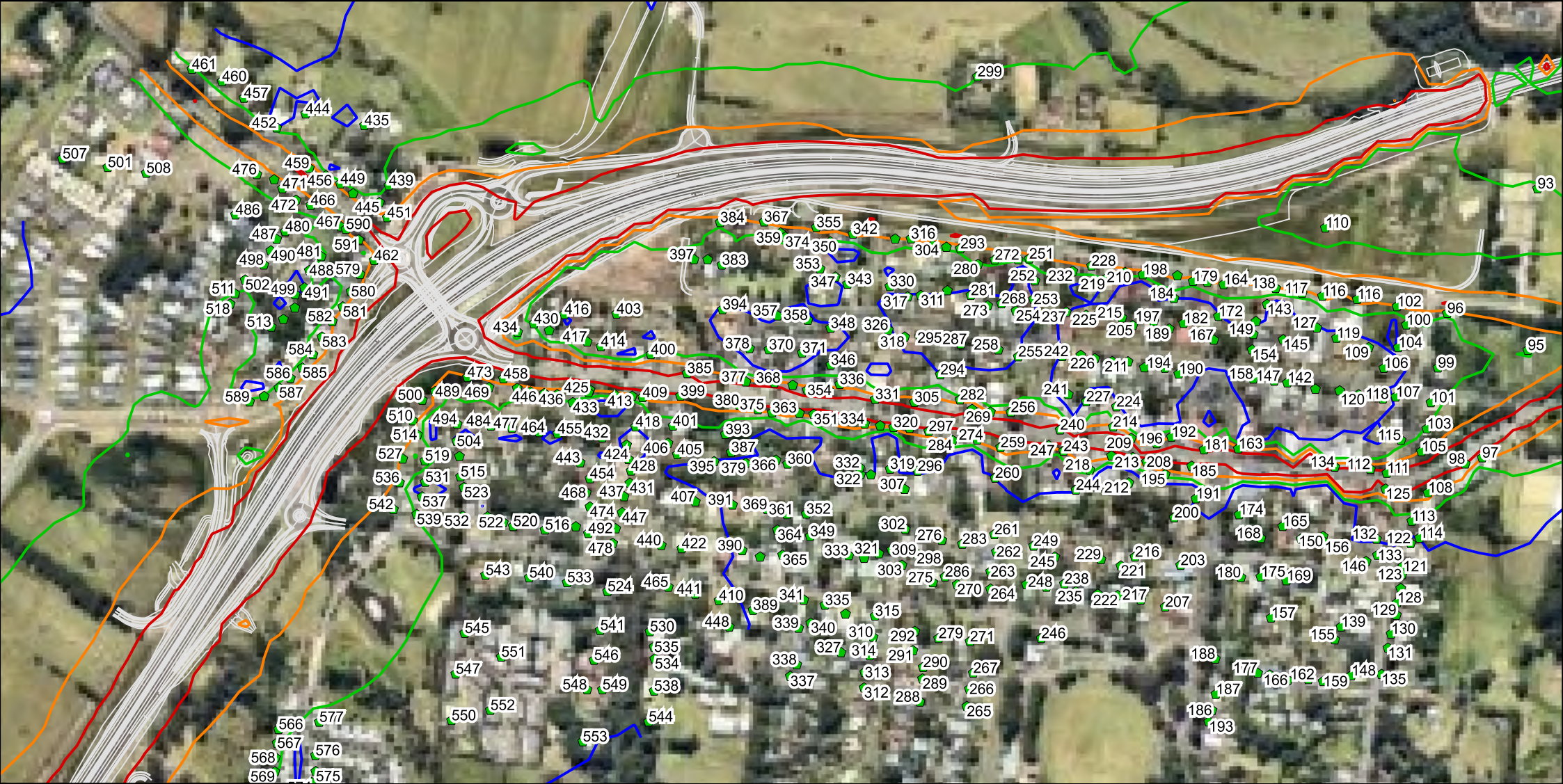
**Legend**

Receivers	45 dB(A)
Final Design Alignment	50 dB(A)
Noise Mound	55 dB(A)
Huntingdale Park Road 800 mm Barrier	60 dB(A)

Predicted noise level Leq,15h dB(A)







**FOXGROUND BERRY BYPASS**  
**FIGURE 11**  
**Predicted day-time road traffic**  
**noise levels - 2027**  
**SECTION 3: Berry**

Date: 12 September 2018  
 Client: Fulton Hogan  
 Drawn by : BM  
 Report Reference: Operational  
 Noise Management - Final design  
 Design lot: FBB-NV-01

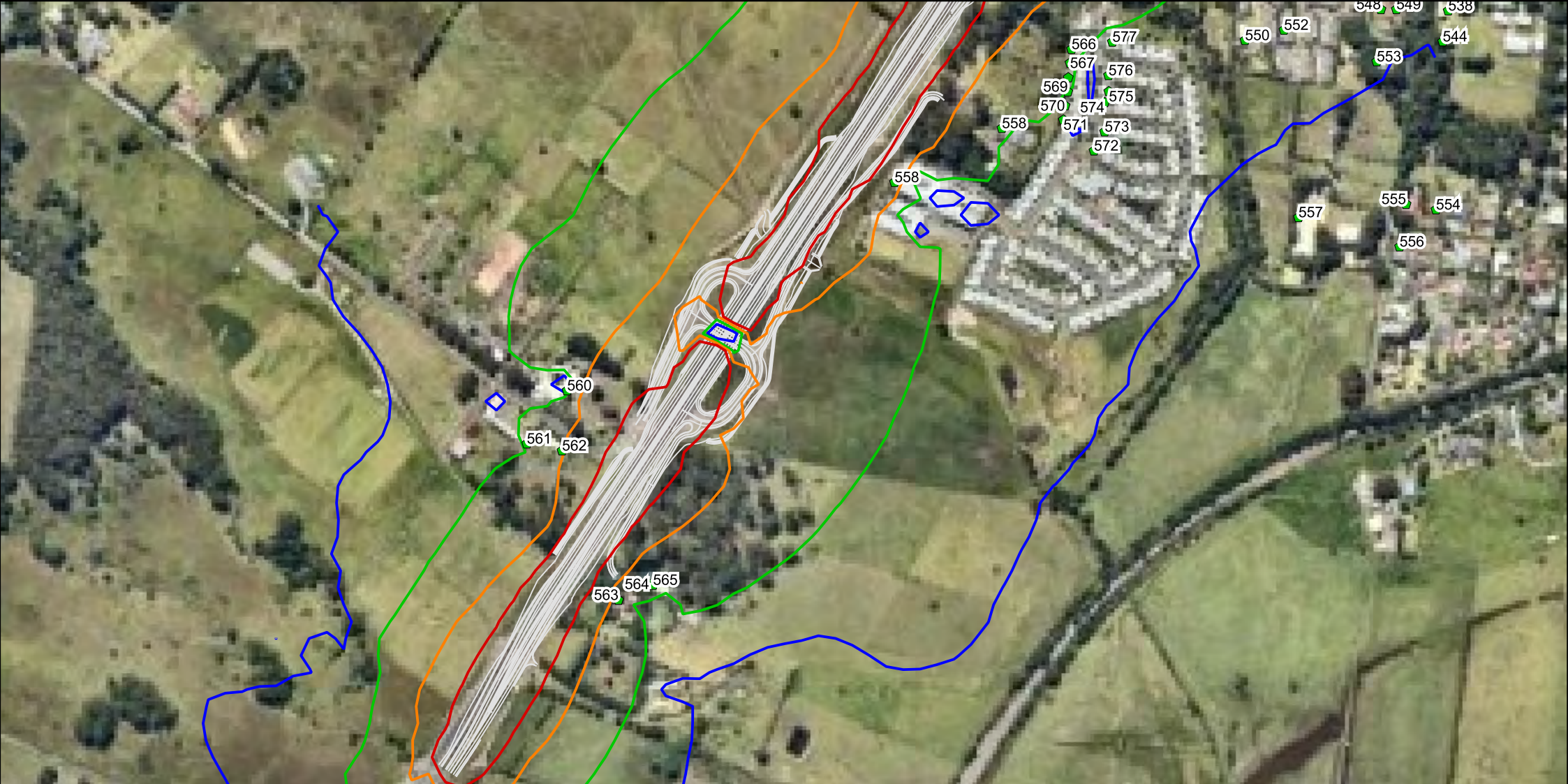
**Legend**

Receivers	45 dB(A)
Final Design Alignment	50 dB(A)
Noise Mound	55 dB(A)
Huntingdale Park Road 800 mm Barrier	60 dB(A)

Predicted noise level Leq,15h dB(A)







**FOXGROUND BERRY BYPASS**  
**FIGURE 12**  
**Predicted day-time road traffic**  
**noise levels - 2027**  
**SECTION 4: South of Berry**

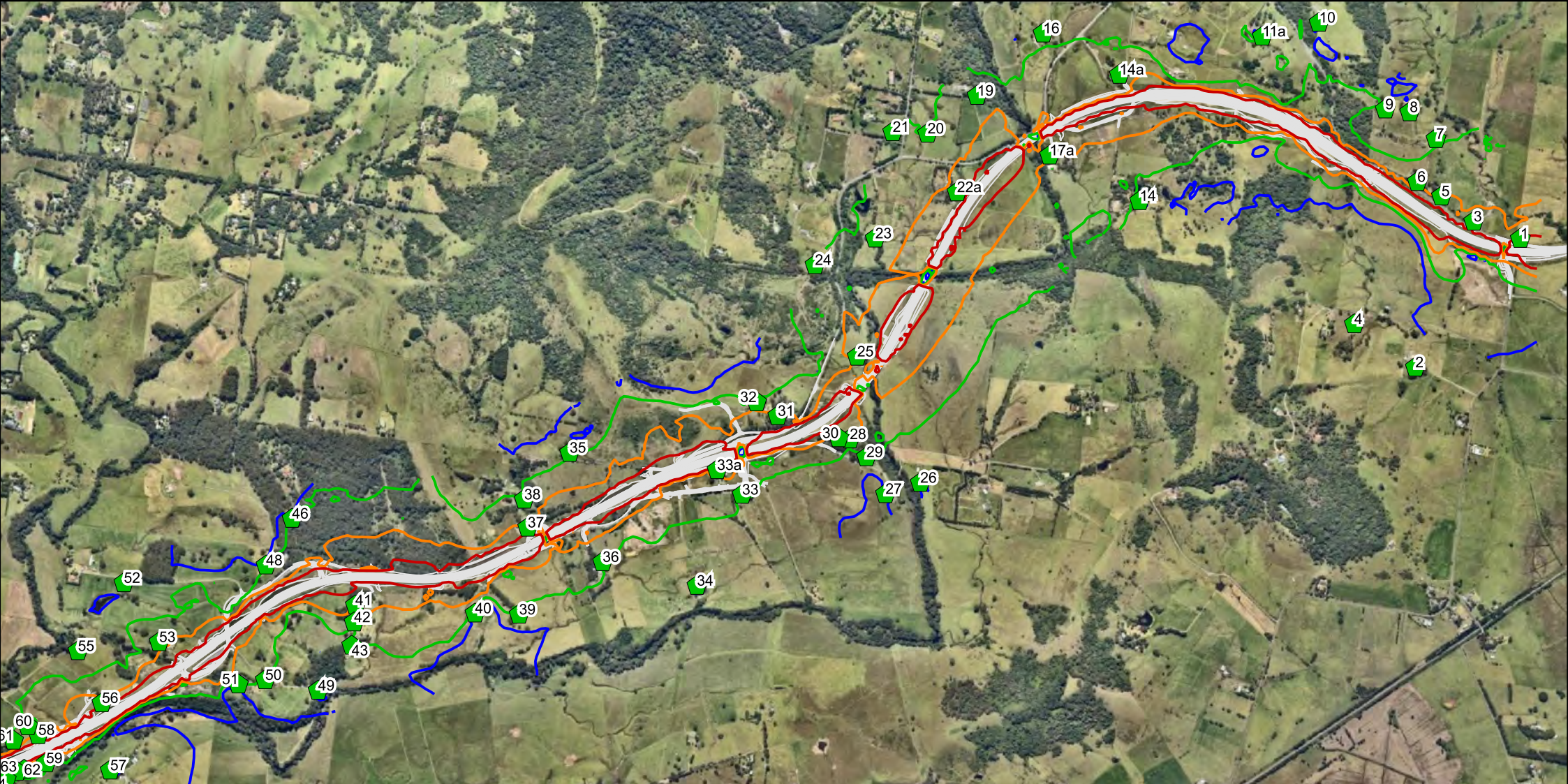
Date: 12 September 2018  
 Client: Fulton Hogan  
 Drawn by : BM  
 Report Reference: Operational  
 Noise Management - Final design  
 Design lot: FBB-NV-01

**Legend**

Receivers	<b>Predicted noise level Leq,15h dB(A)</b>
Final Design Alignment	45 dB(A)
Noise Mound	50 dB(A)
Huntingdale Park Road 800 mm Barrier	55 dB(A)
	60 dB(A)

**Resonate**





**FOXGROUND BERRY BYPASS**  
**FIGURE 13**  
**Predicted night-time road traffic**  
**noise levels - 2027**  
**SECTION 1: Toolijolla Road to**  
**Tindalls Lane**

Date: 12 September 2018  
 Client: Fulton Hogan  
 Drawn by : BM  
 Report Reference: Operational  
 Noise Management - Final design  
 Design lot: FBB-NV-01

**Legend**

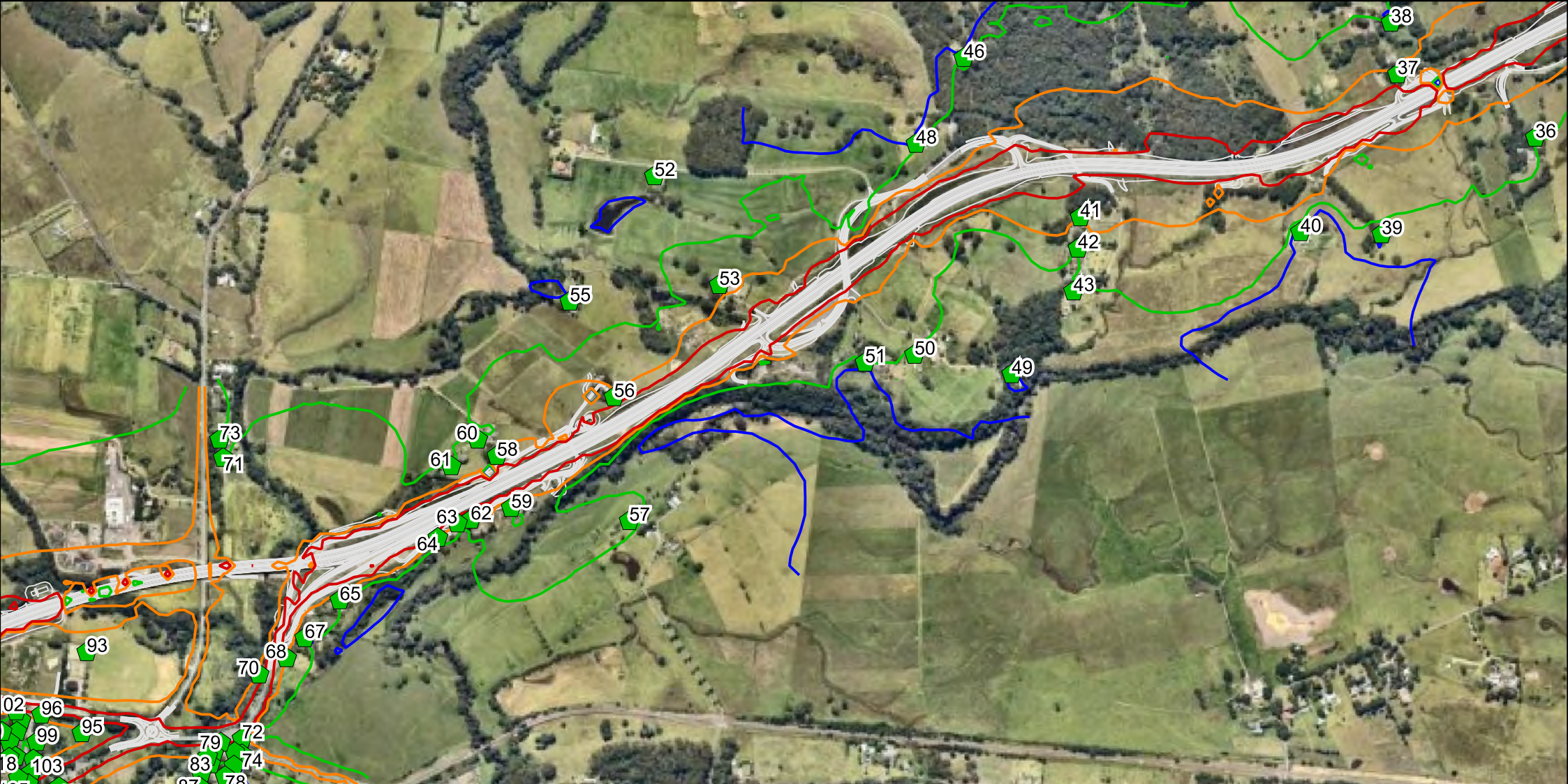
- ◆ Receivers
- Final Design Alignment
- Noise Mound
- - - Huntingdale Park Road 800 mm Barrier

**Predicted noise level Leq,9h dB(A)**

- 45 dB(A)
- 50 dB(A)
- 55 dB(A)
- 60 dB(A)

**Resonate**













**FOXGROUND BERRY BYPASS**  
**FIGURE 14**  
**Predicted night-time road traffic**  
**noise levels - 2027**  
**SECTION 2: Berry North**  
**Interchange**

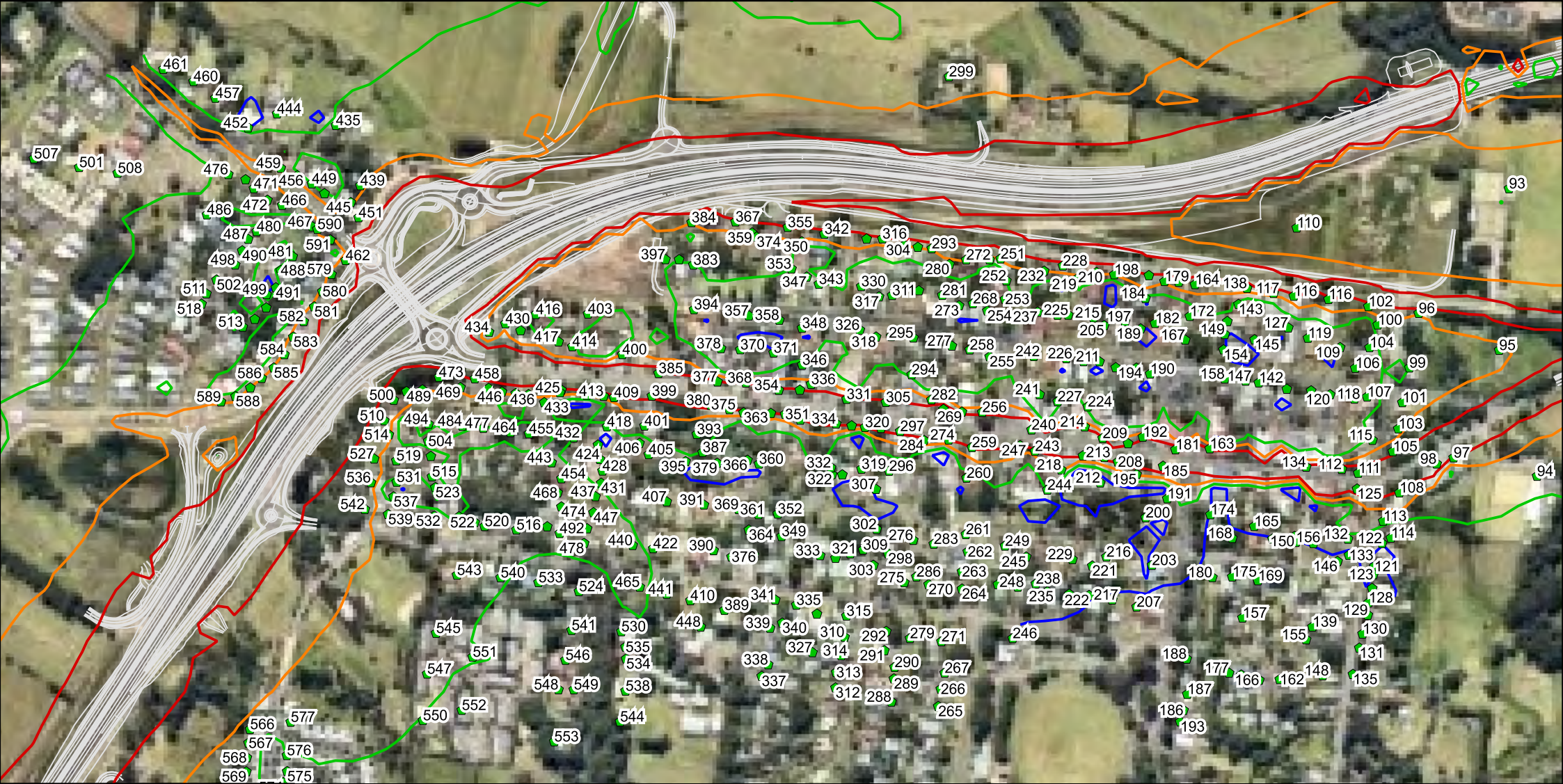
Date: 12 September 2018  
 Client: Fulton Hogan  
 Drawn by : BM  
 Report Reference: Operational  
 Noise Management - Final design  
 Design lot: FBB-NV-01

**Legend**

 Receivers	 45 dB(A)
 Final Design Alignment	 50 dB(A)
 Noise Mound	 55 dB(A)
 Huntingdale Park Road 800 mm Barrier	 60 dB(A)

**Resonate**





**FOXGROUND BERRY BYPASS**  
**FIGURE 15**  
**Predicted night-time road traffic**  
**noise levels - 2027**  
**SECTION 3: Berry**

Date: 12 September 2018  
 Client: Fulton Hogan  
 Drawn by : BM  
 Report Reference: Operational  
 Noise Management - Final design  
 Design lot: FBB-NV-01

**Legend**

- ◆ Receivers
- Final Design Alignment
- Noise Mound
- Huntingdale Park Road 800 mm Barrier

**Predicted noise level Leq,9h dB(A)**

- 45 dB(A)
- 50 dB(A)
- 55 dB(A)
- 60 dB(A)







**FOXGROUND BERRY BYPASS**  
**FIGURE 16**  
**Predicted night-time road traffic**  
**noise levels - 2027**  
**SECTION 4: South of Berry**

Date: 12 September 2018  
 Client: Fulton Hogan  
 Drawn by : BM  
 Report Reference: Operational  
 Noise Management - Final design  
 Design lot: FBB-NV-01

**Legend**

Receivers	<b>Predicted noise level Leq,9h dB(A)</b>
Final Design Alignment	45 dB(A)
Noise Mound	50 dB(A)
Huntingdale Park Road 800 mm Barrier	55 dB(A)
	60 dB(A)

