



DCO Submission

Environmental Statement

Chapter 5: Noise and Vibration
Appendix 5.5: Noise Summary Results

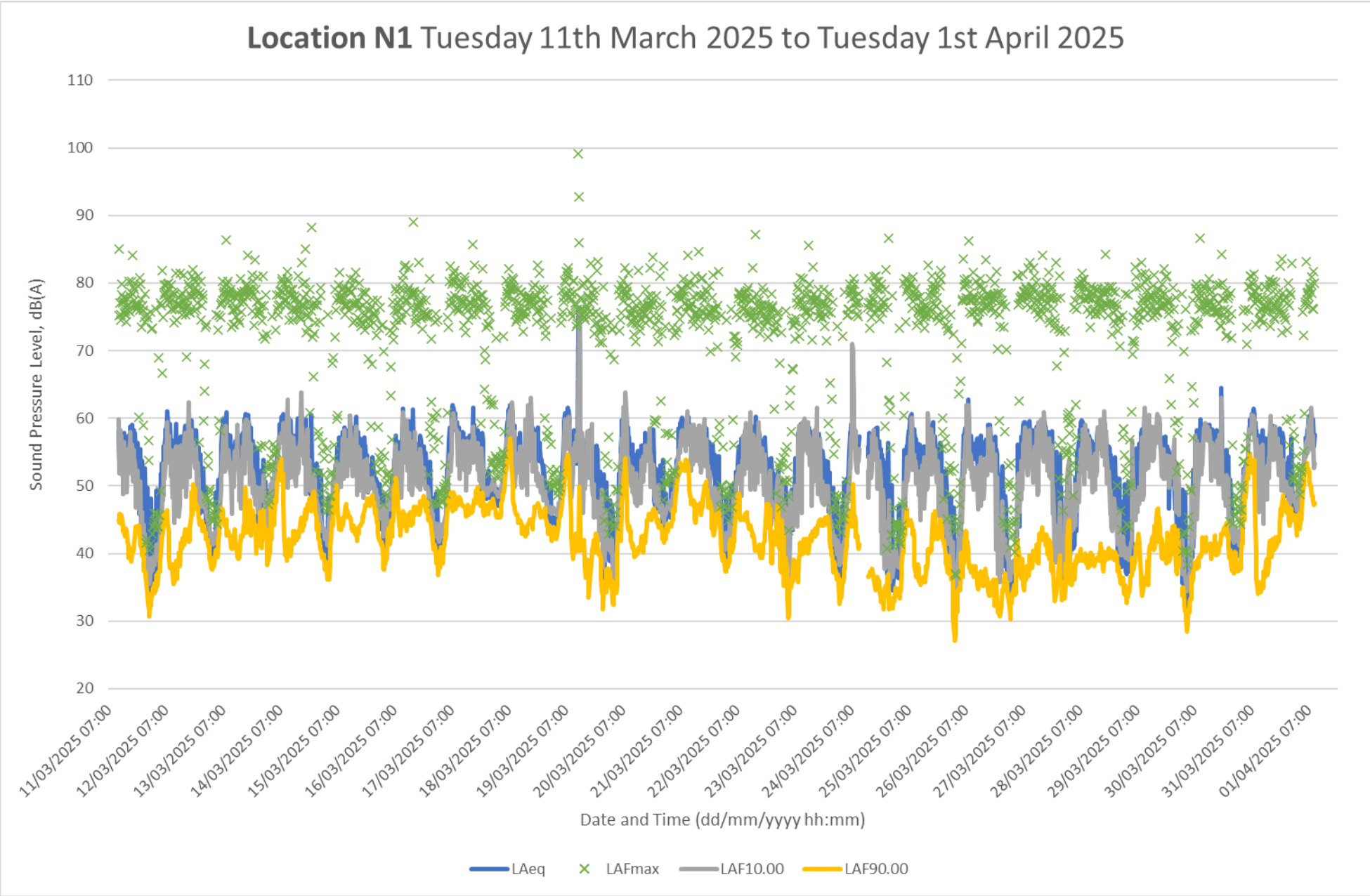
Document 6.5E

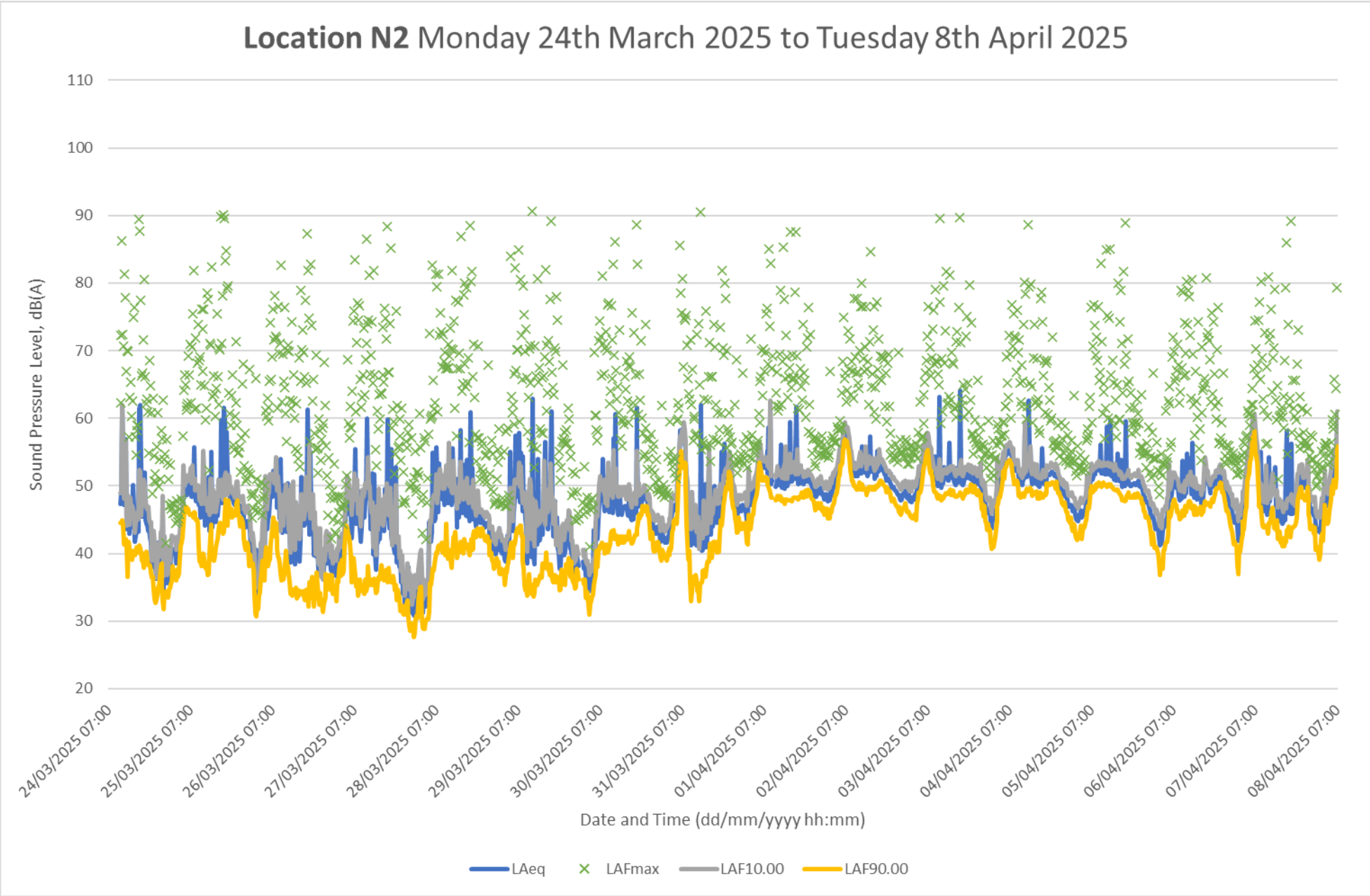
On behalf of
Oxfordshire Railfreight Limited

Prepared by Vanguardia
February 2026

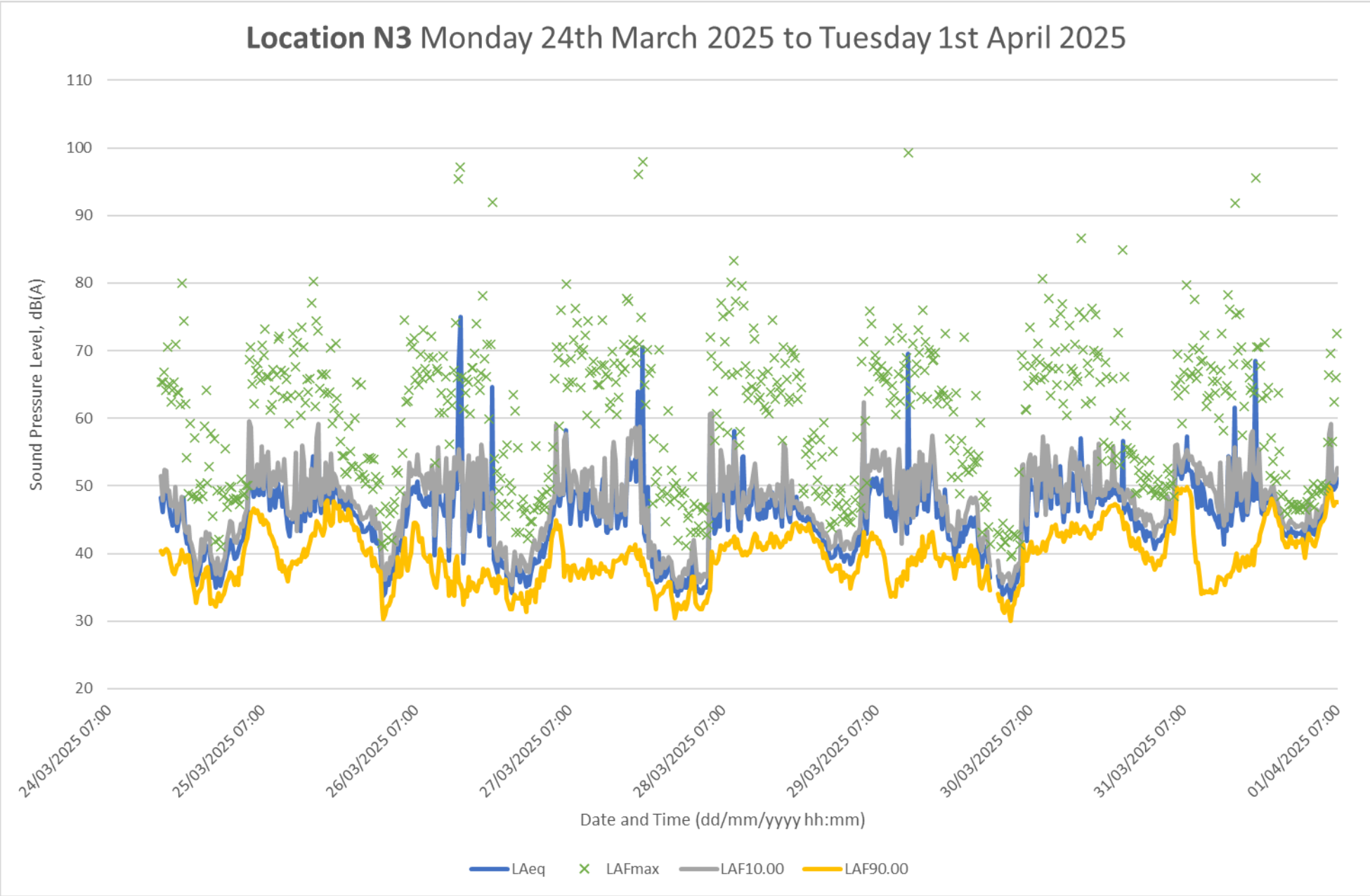
Appendix 5.5

Noise & Vibration Survey Summary Results

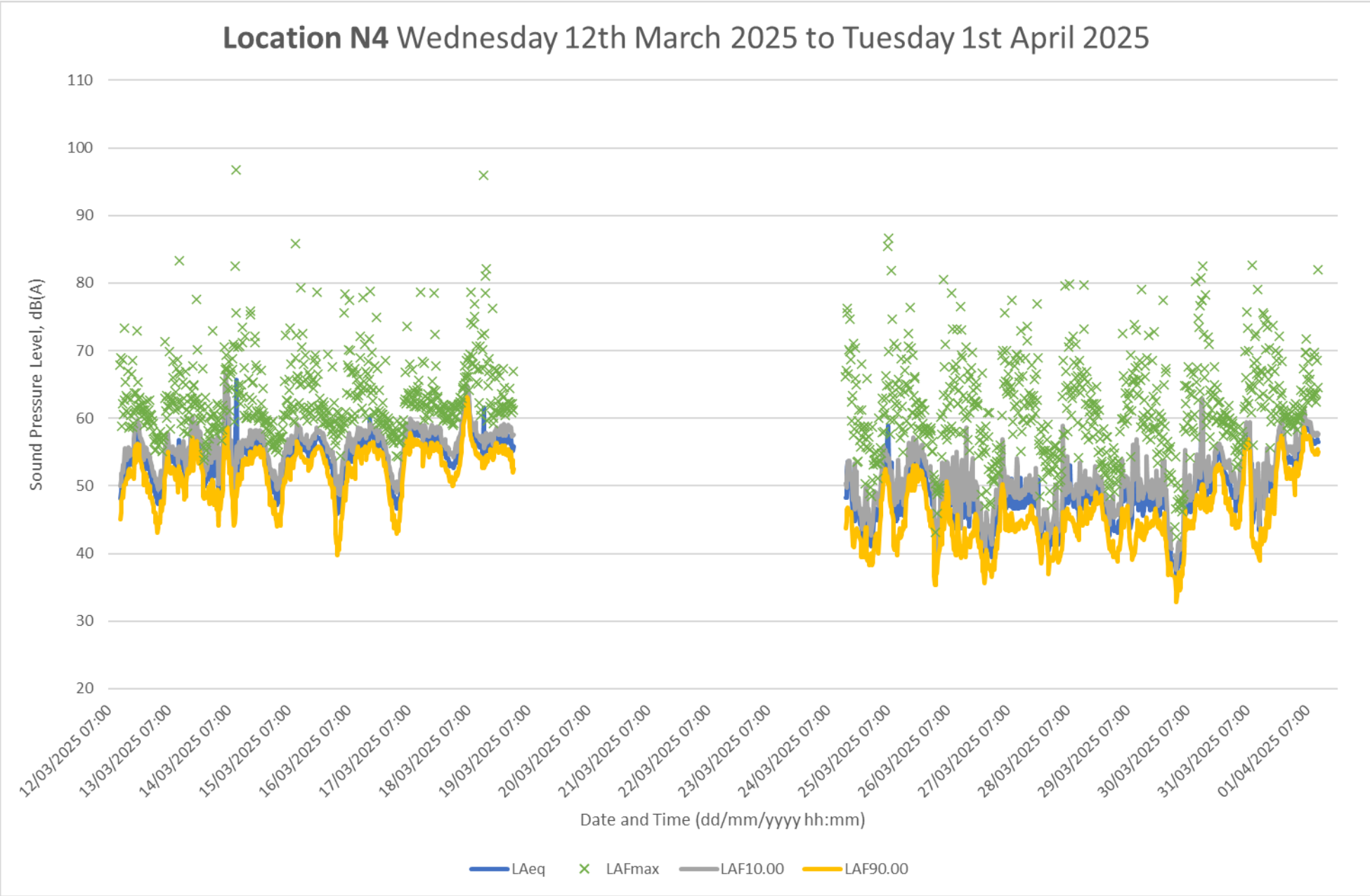




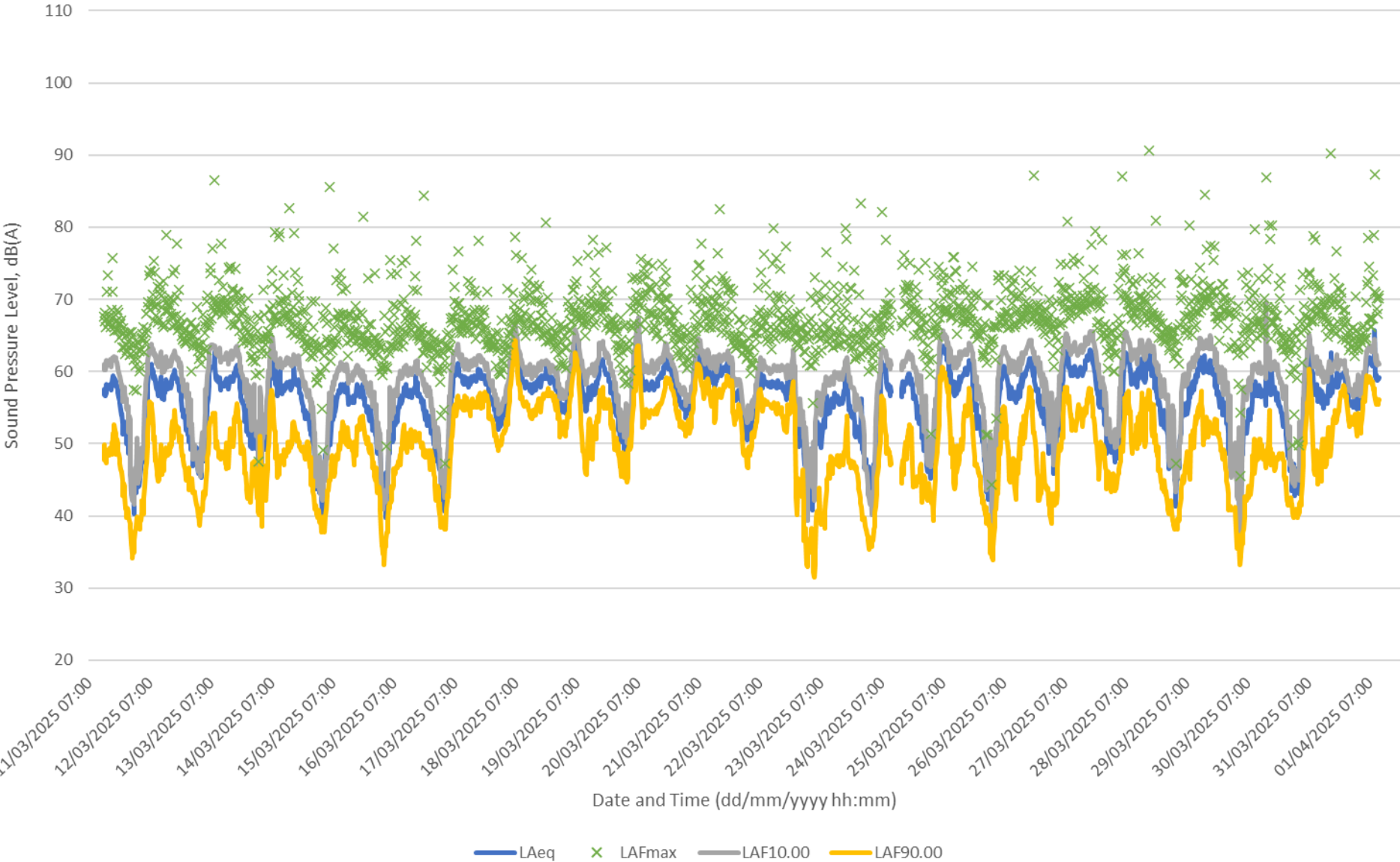
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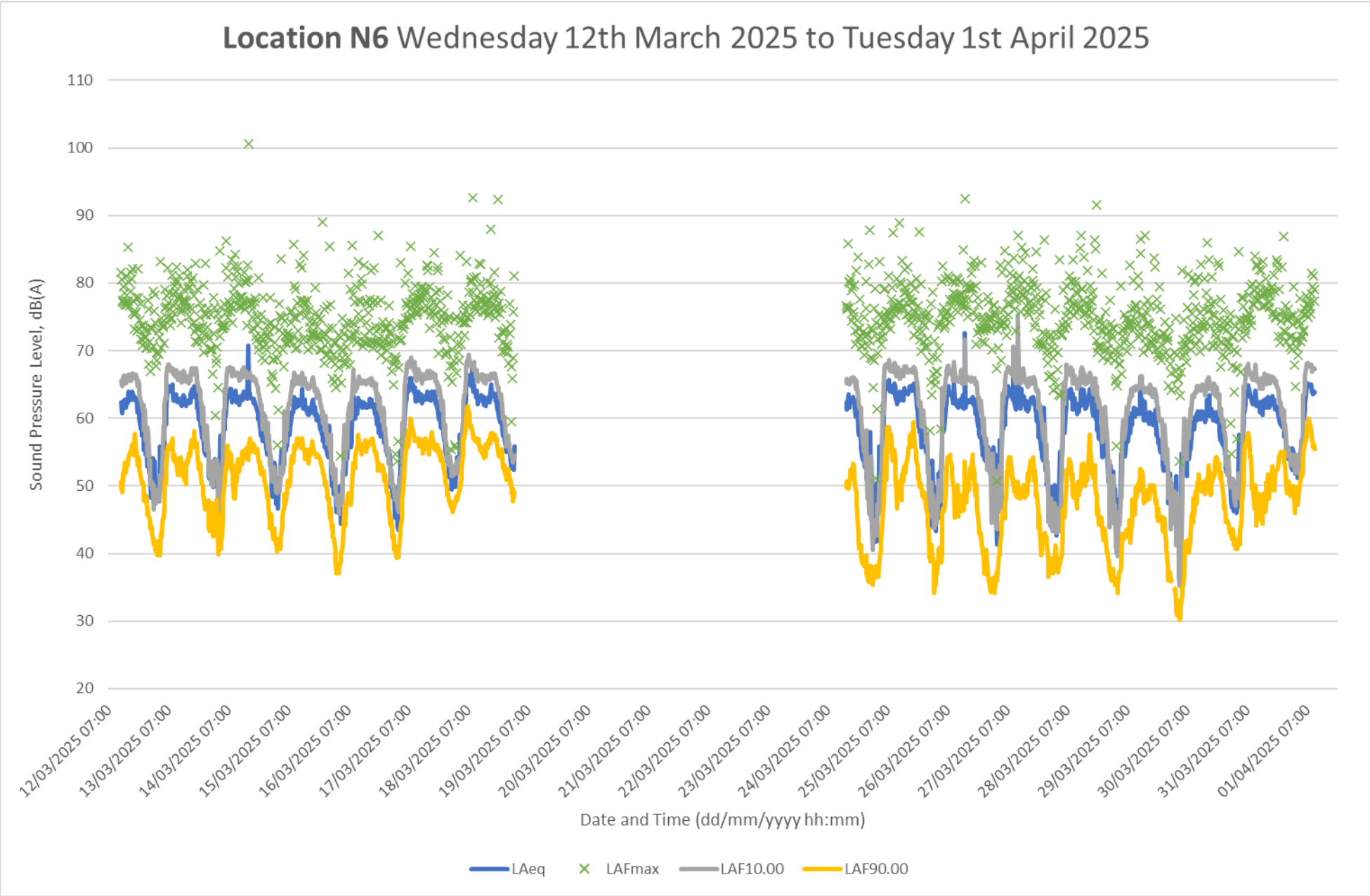
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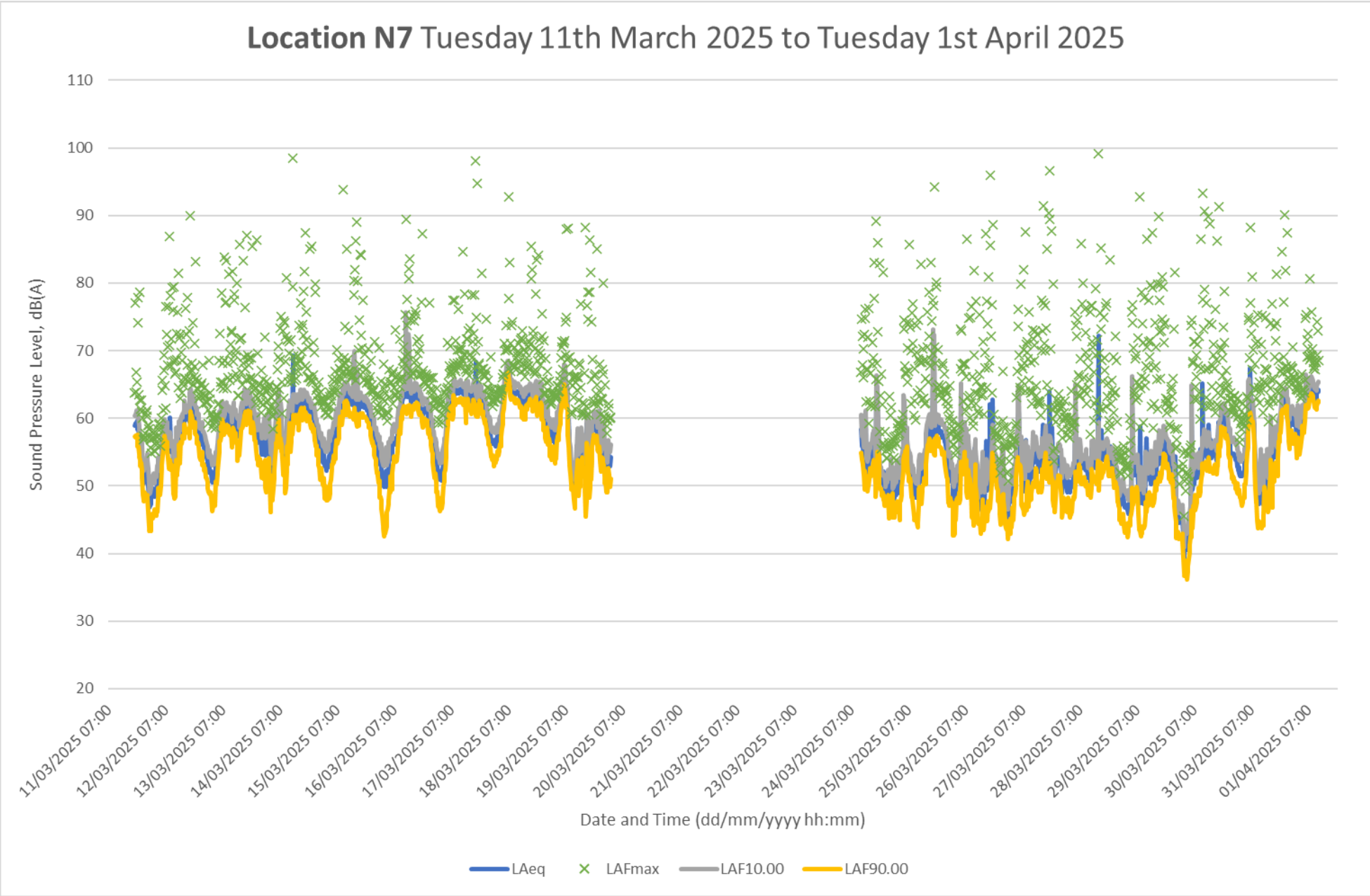
Location N5 Tuesday 11th March 2025 to Tuesday 1st April 2025

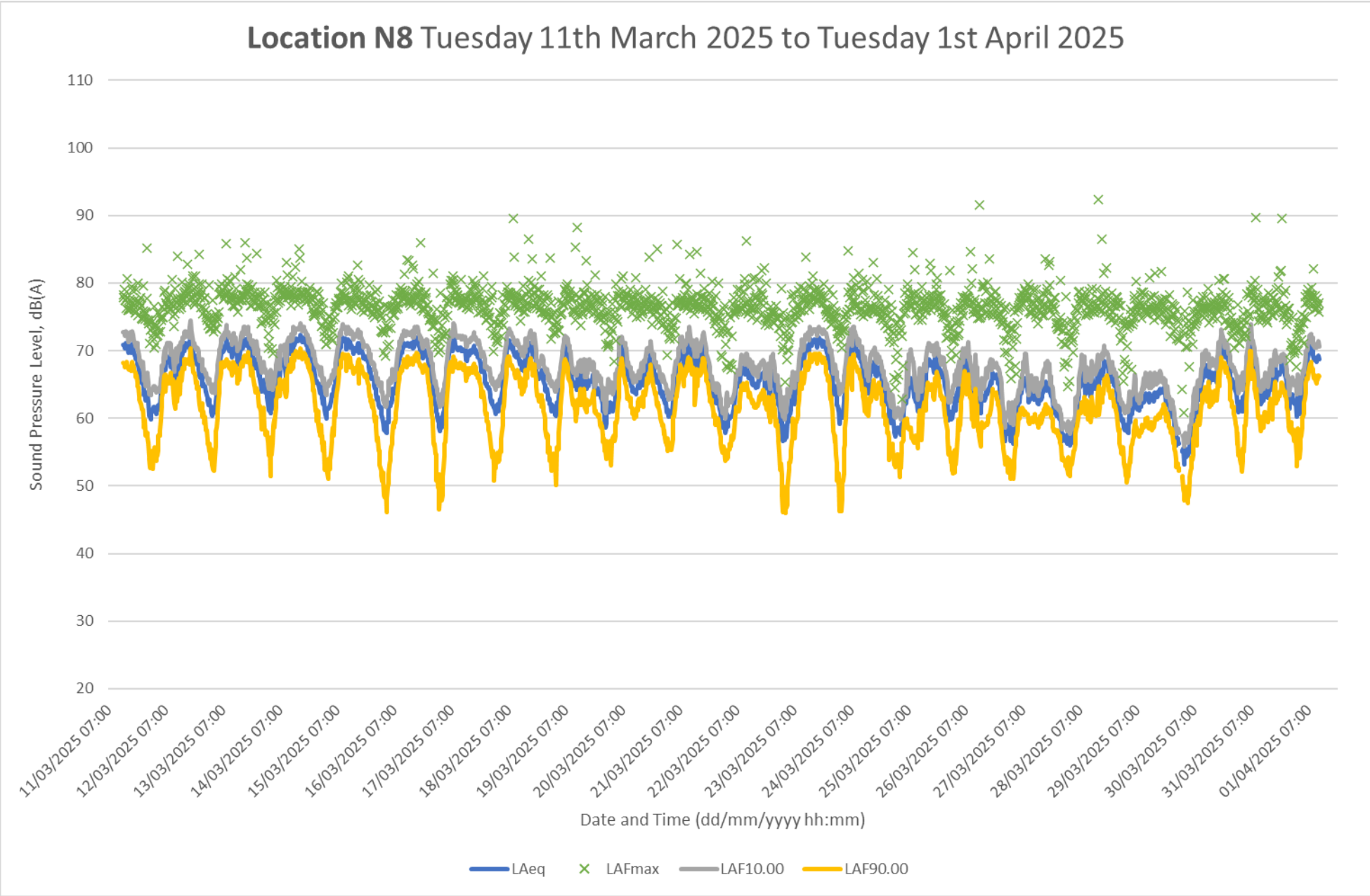


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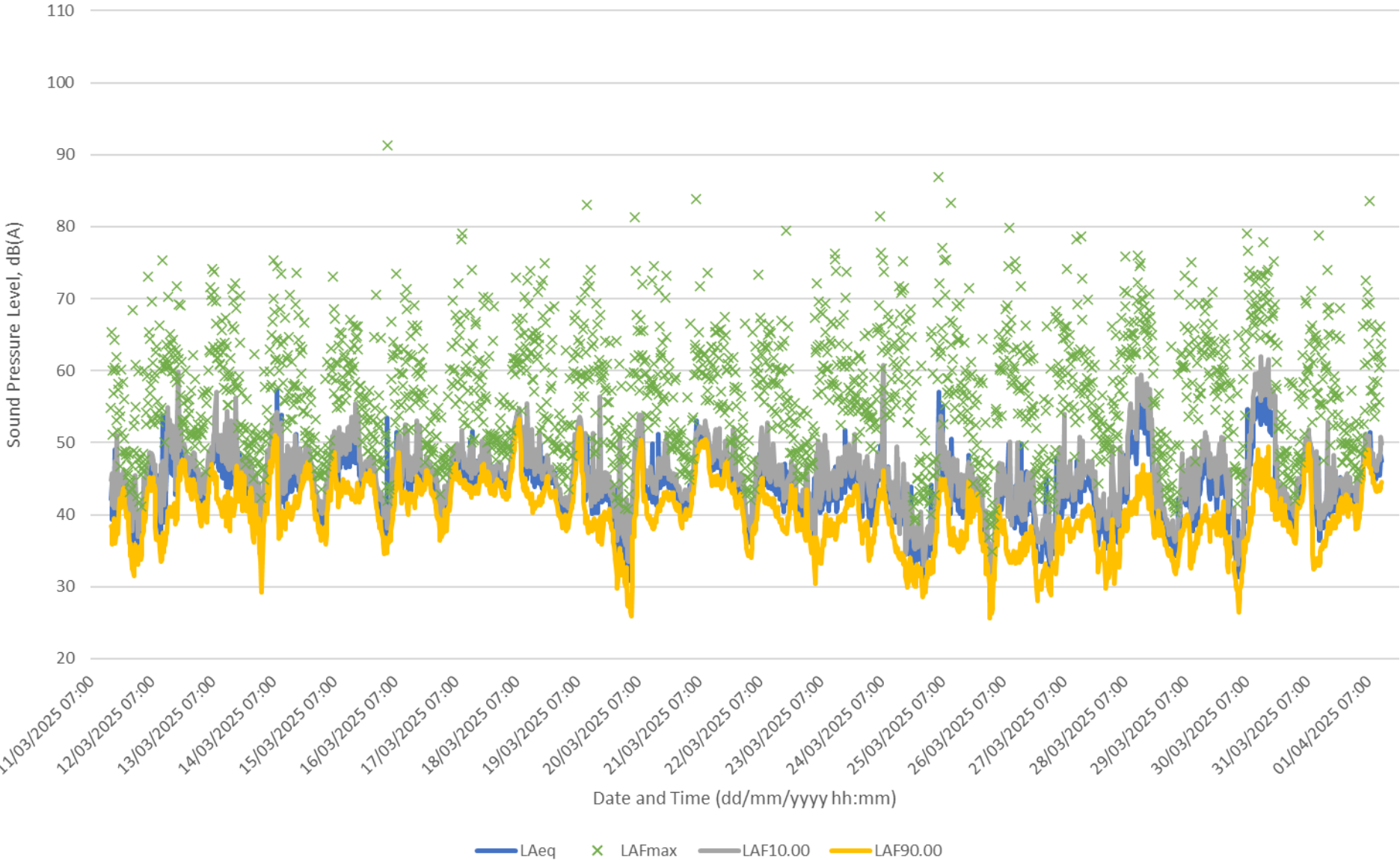


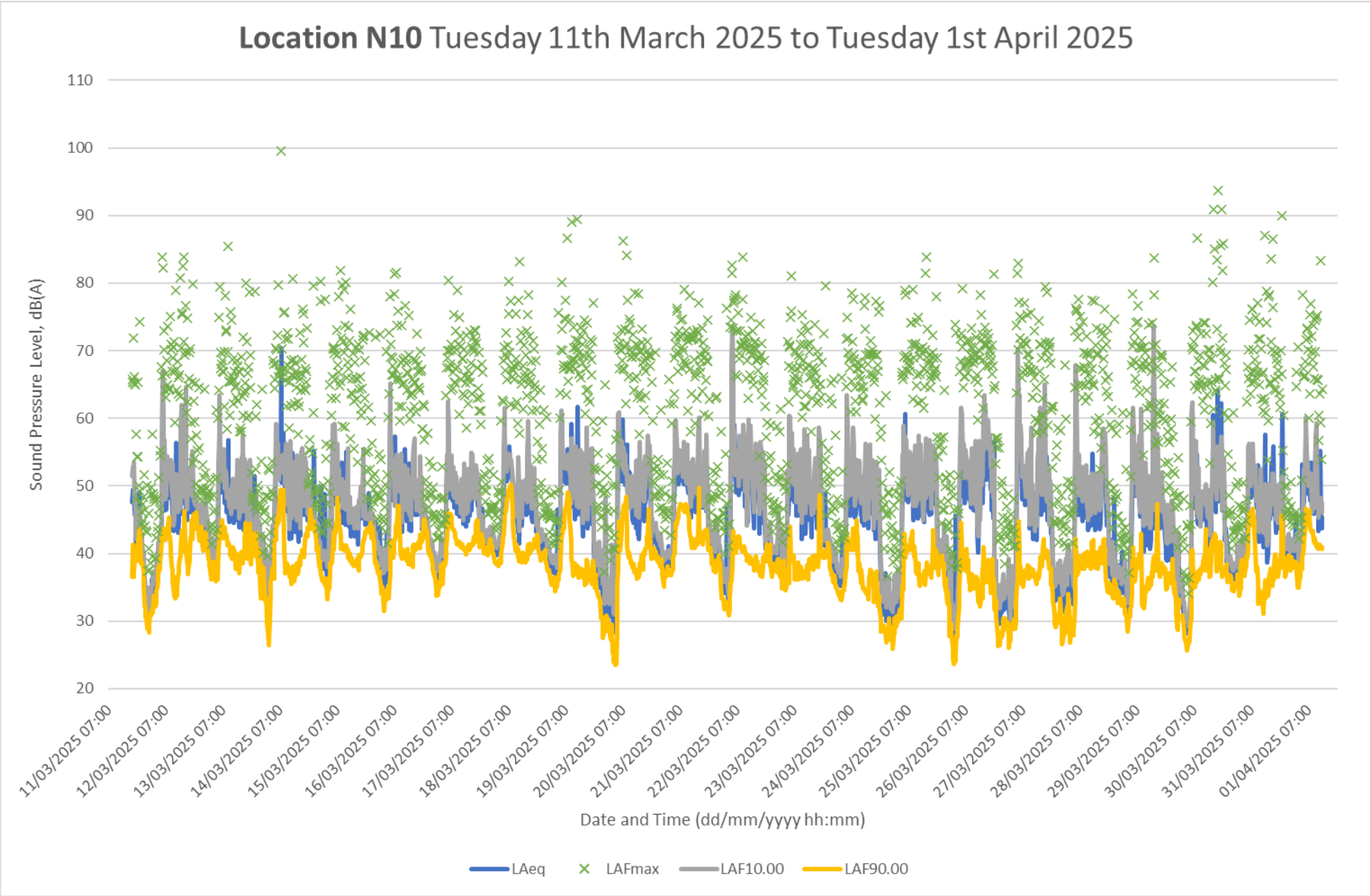
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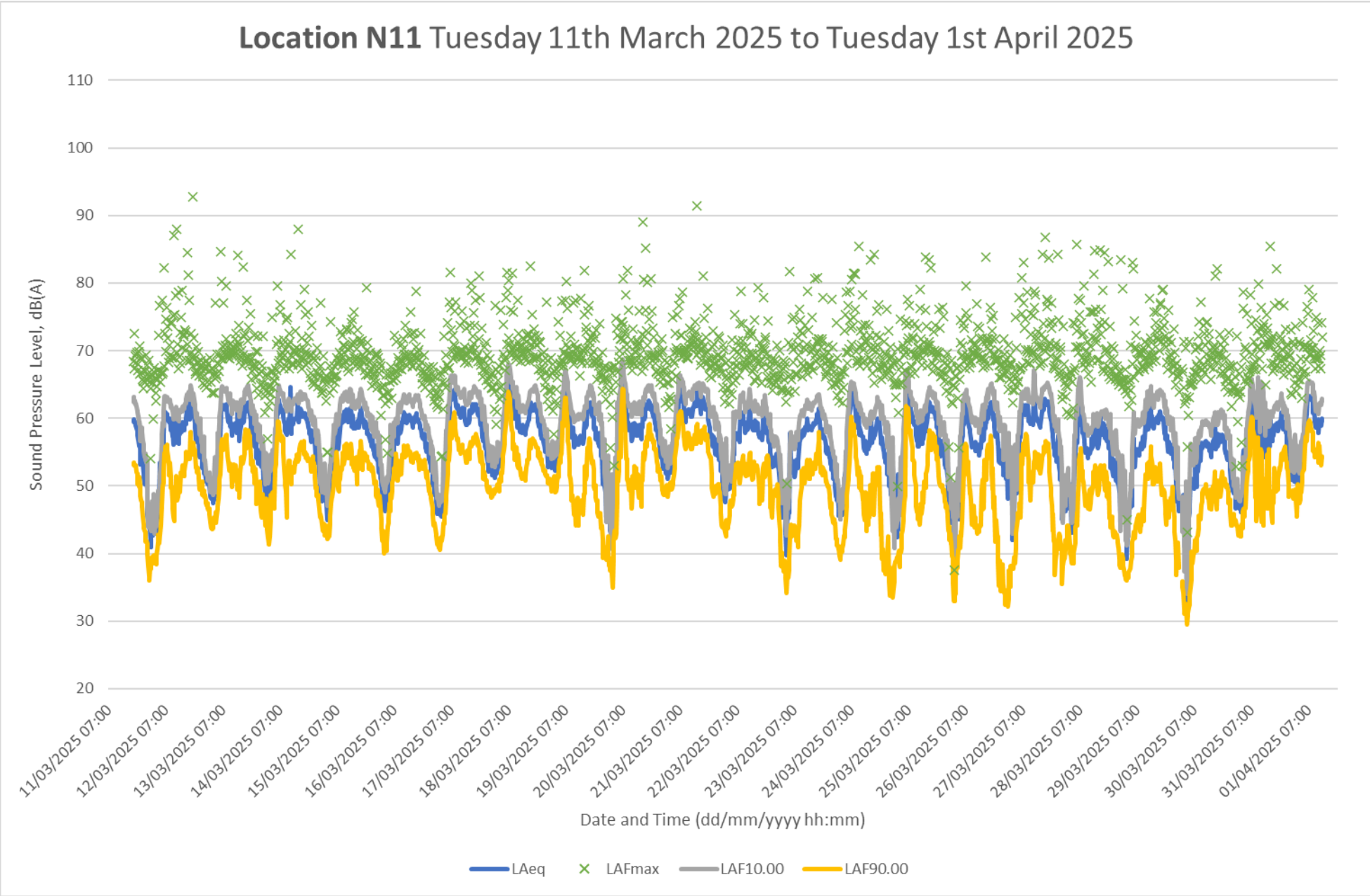




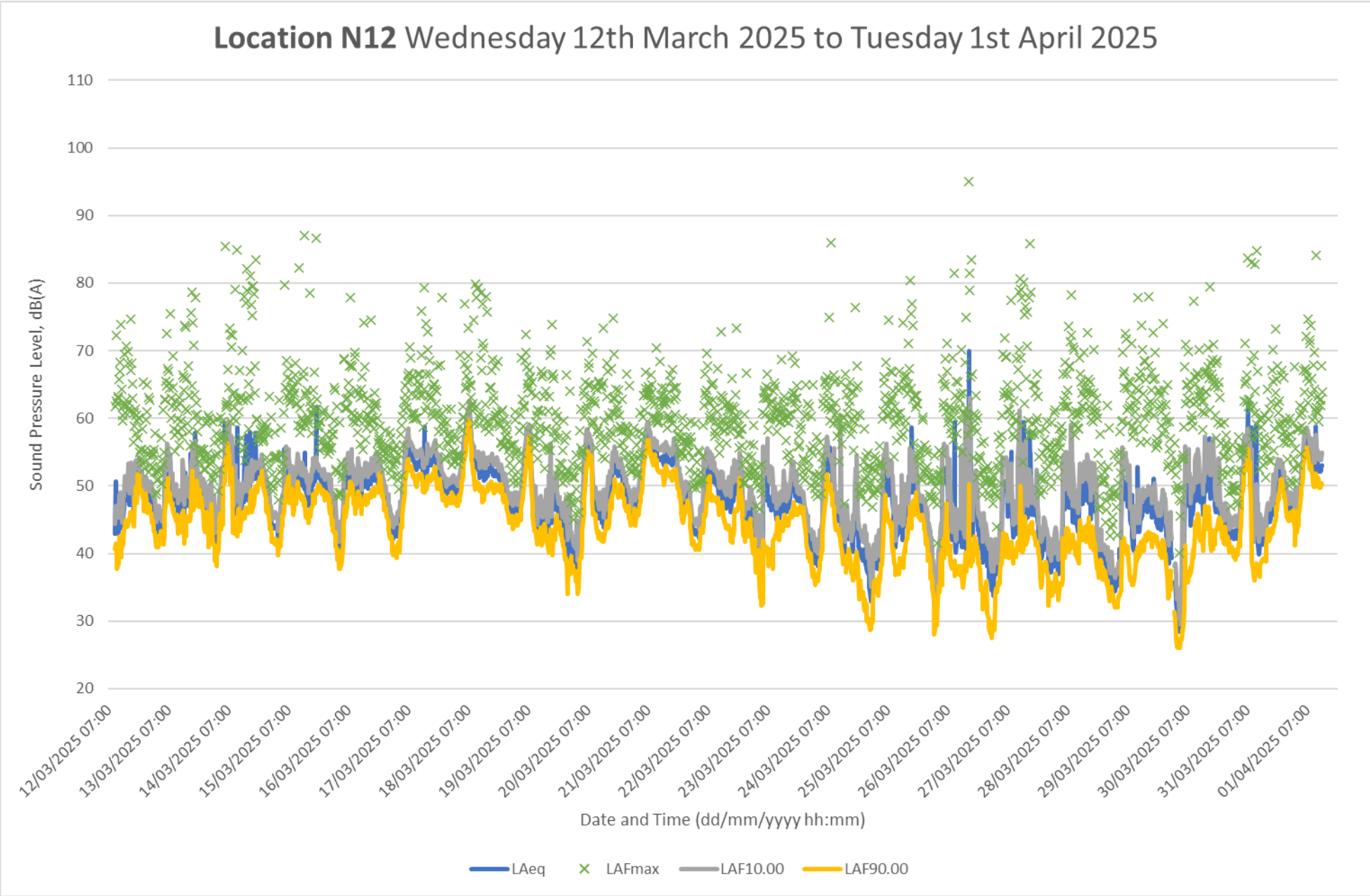
Location N9 Tuesday 11th March 2025 to Tuesday 1st April 2025

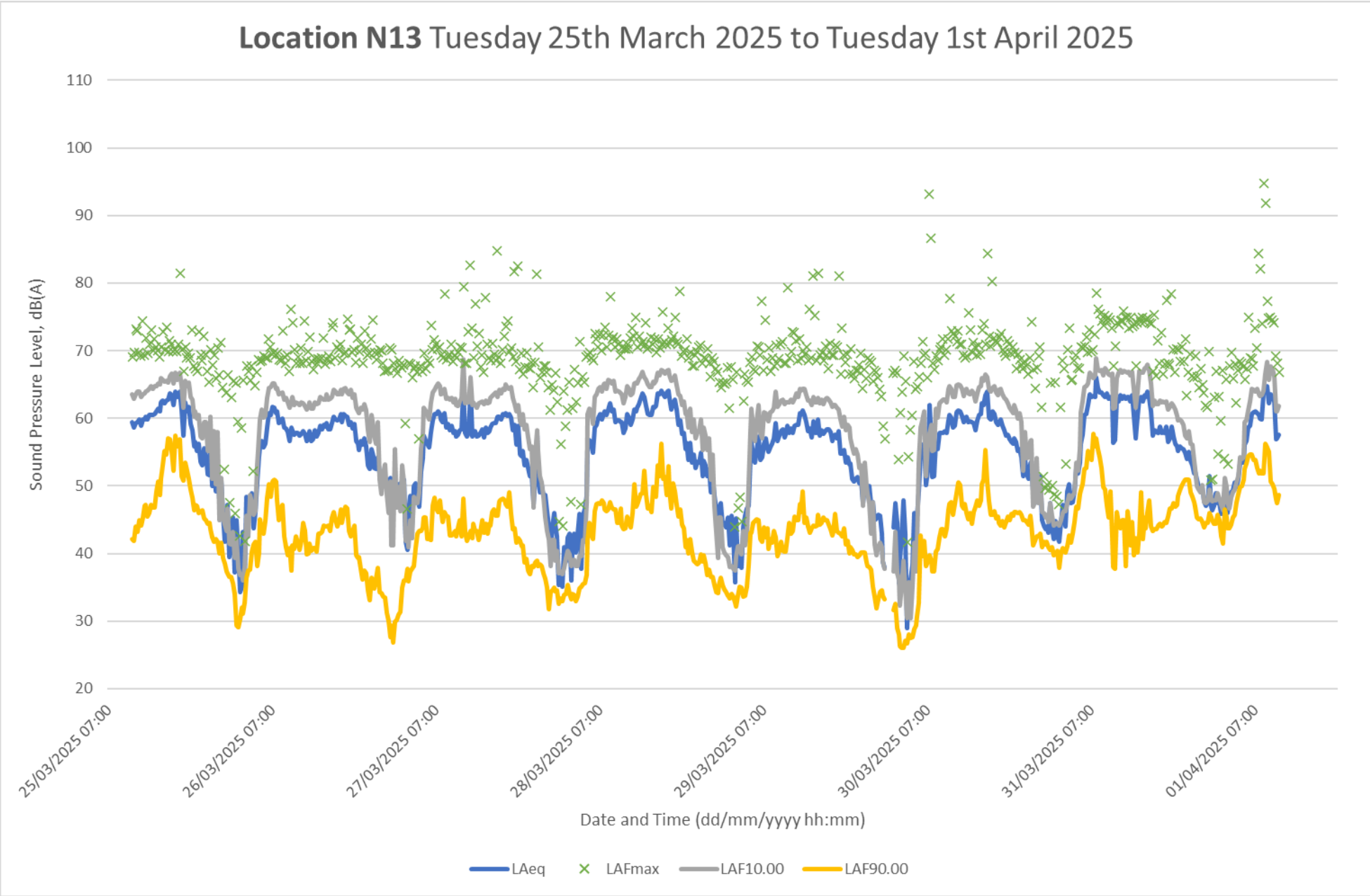


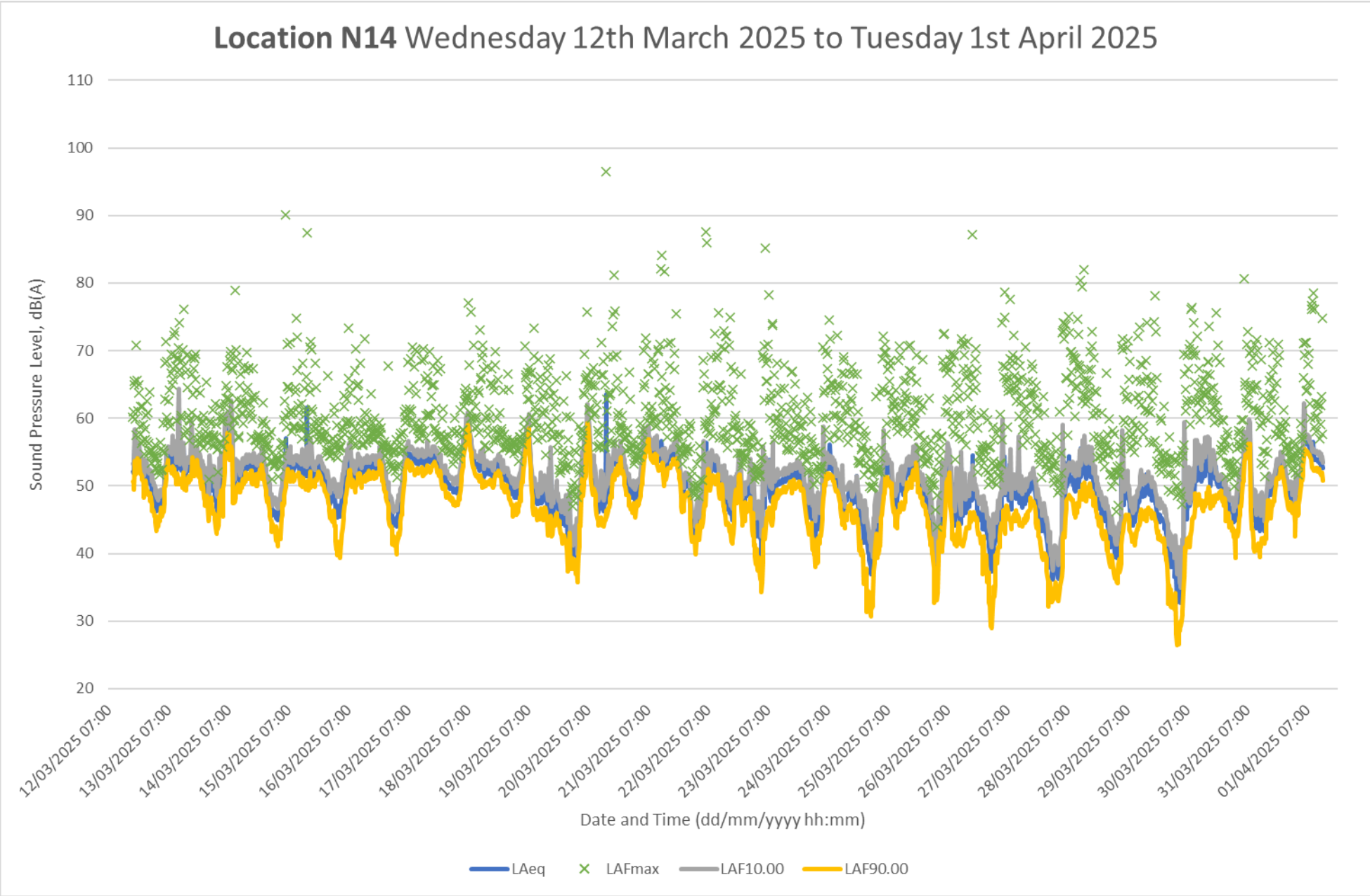




Appendix 5.5 Noise & Vibration Survey Summary Results







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Table 1: Measured noise levels at attended survey locations

Location	Date	Day	Start Time	dB LAeq, 15 min	dB LA10, 15 min	dB LA90, 15 min
S1	11/03/2025	Tue	15:30	41	42	37
			15:45	44	47	37
			16:00	43	46	39
S2	24/03/2025	Mon	14:45	47	49	46
			15:00	47	49	45
			15:15	48	49	46
S3	24/03/2025	Mon	16:00	56	57	53
			16:15	56	58	54
			16:30	55	56	53
S4	24/03/2025	Mon	15:45	53	55	50
			16:00	52	54	49
			16:15	55	58	52
S9	01/04/2025	Tue	10:30	53	54	50
			10:45	54	56	50
			11:00	53	54	50

Table 2: Measured noise levels at attended survey locations following shortened methodology from CRTN

Location	Date	Day	Start Time	dB LAeq, 1 Hour	dB LA10, 1 hour	dB LA90, 1 hour
S5	25/03/2025	Tue	10:00	71	75	47
			11:00	70	75	48
			12:00	70	74	48
S6	25/03/2025	Tue	13:15	69	73	48
			14:15	69	73	50
			15:15	70	73	52
S7	25/03/2025	Tue	11:00	57	51	45
			12:00	56	51	46
			13:00	58	52	46

Table 3: Measured noise levels at part-attended survey locations

Location	Date(s)	Day(s)	Start / Finish Time	Duration (T)	dB LAeq,T	dB LA10,T	dB LA90,T
S8 Day	12/03/2025 – 13/03/2025	Wed – Thu	16:00 - 23:00 & 07:00 - 08:30	8.5 hours	49	49	45
S8 Night			23:00-07:00	8 hours	45	45	42

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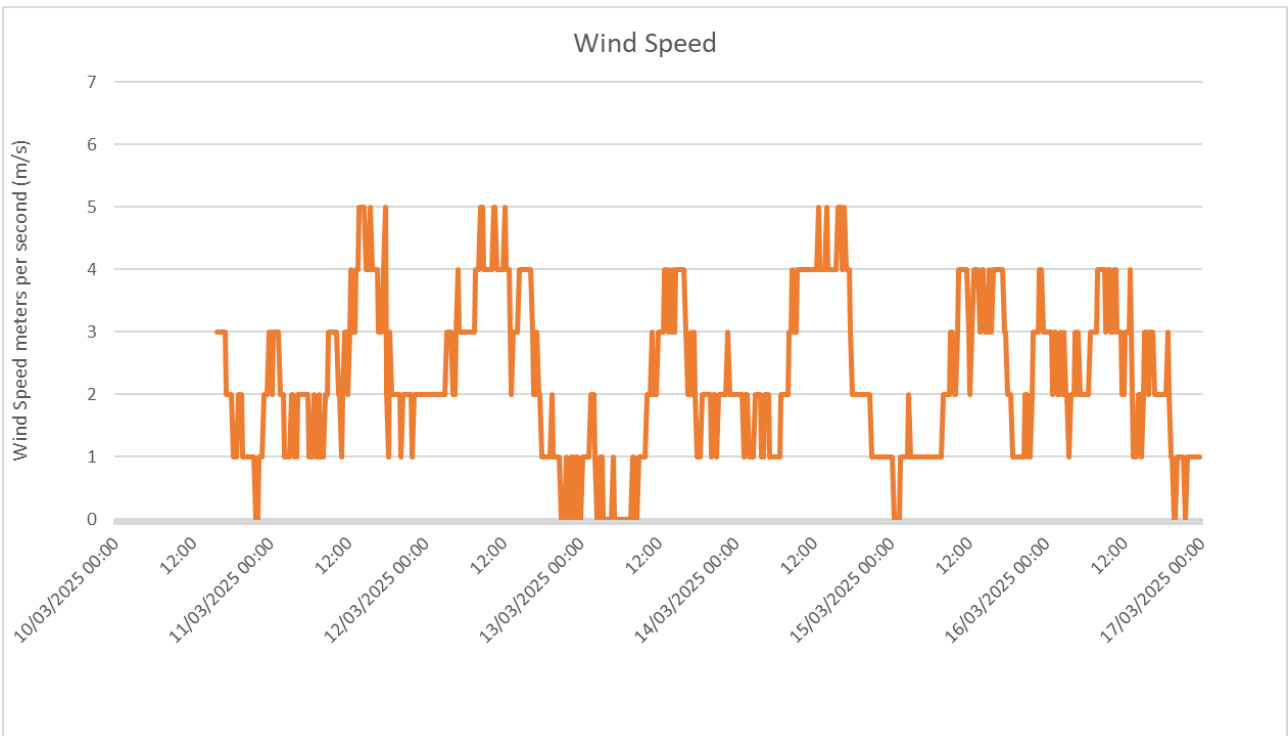
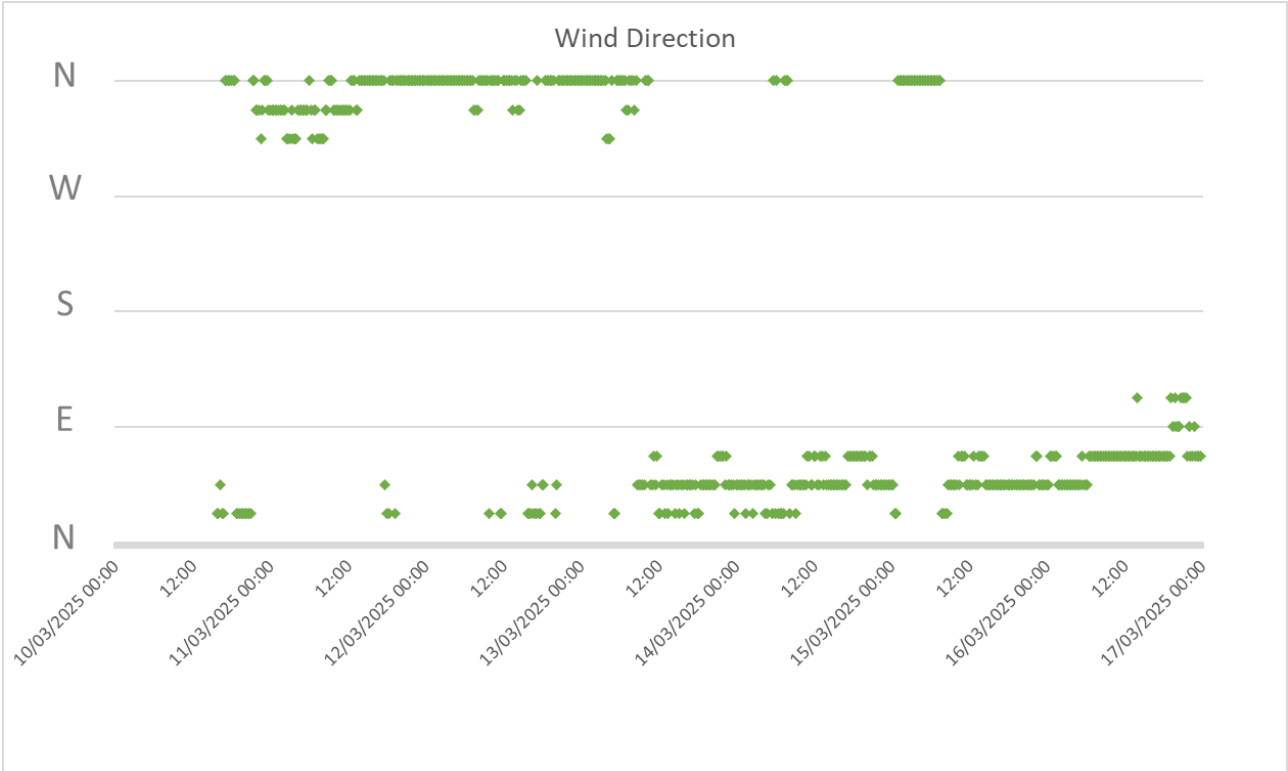
Table 4: Measured vibration levels at survey locations

Location	Train Direction	X VDV _d	Y VDV _d	Z VDV _b
V1	Northbound (Towards Birmingham)	0.0008	0.0009	0.0032
		0.0003	0.0004	0.0019
		0.0004	0.0005	0.0015
		0.0002	0.0003	0.0016
		0.0002	0.0003	0.0028
		0.0005	0.0008	0.0031
	Southbound (Towards London)	0.0019	0.0009	0.0056
		0.0010	0.0015	0.0051
		0.0002	0.0004	0.0017
		0.0029	0.0001	0.0003
		0.0014	0.0001	0.0001
		0.0003	0.0003	0.0016
		0.0004	0.0004	0.0036
		V2	Northbound (Towards Birmingham)	0.0041
0.0043	0.0001			0.0001
0.0034	0.0001			0.0001
0.0037	0.0001			0.0001
0.0033	0.0001			0.0001
0.0091	0.0065			0.0123
0.0006	0.0004			0.0019
Southbound (Towards London)	0.0006			0.0005
	0.0026		0.0001	0.0001
	0.0029		0.0001	0.0001
	0.0037		0.0001	0.0001
	0.0039		0.0001	0.0001
	0.0037		0.0001	0.0001
			0.0031	0.0001

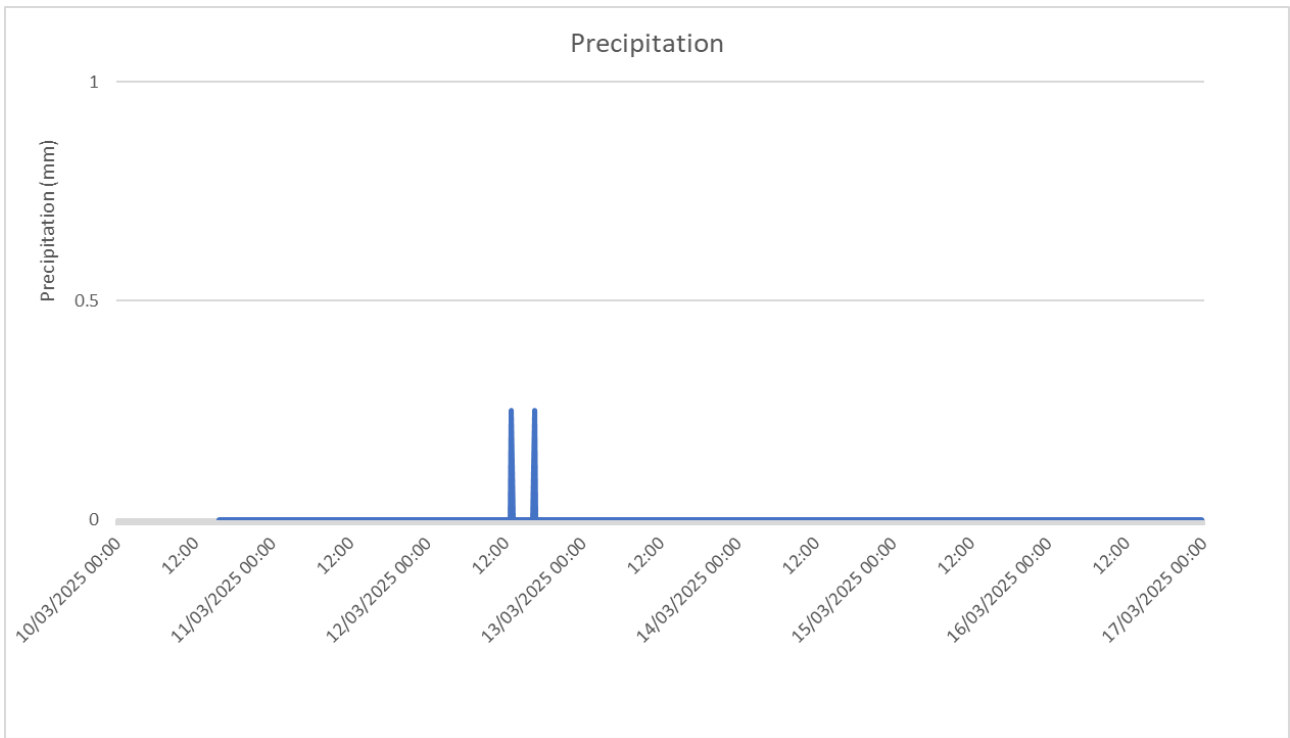
Note: each set of levels represents an individual train passing the monitoring locations

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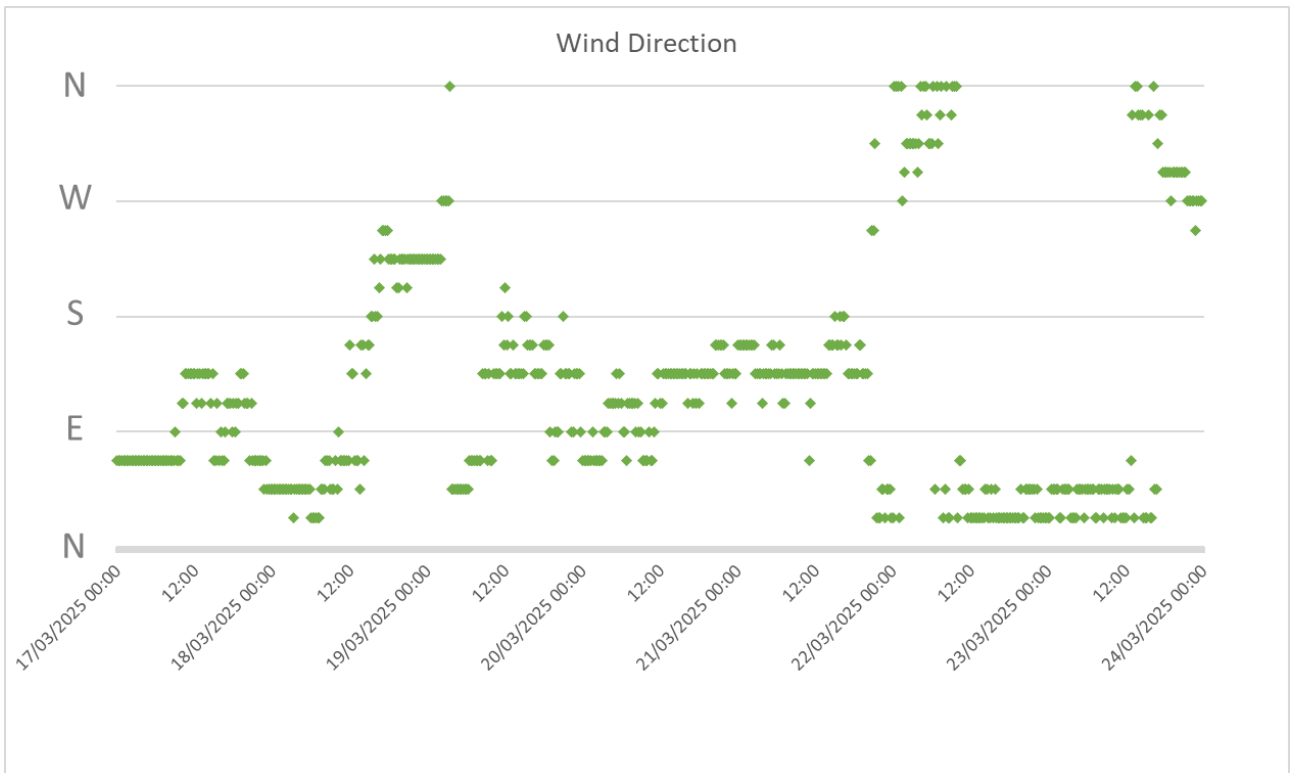
Measured weather data: 10/03/2025 – 17/03/2025



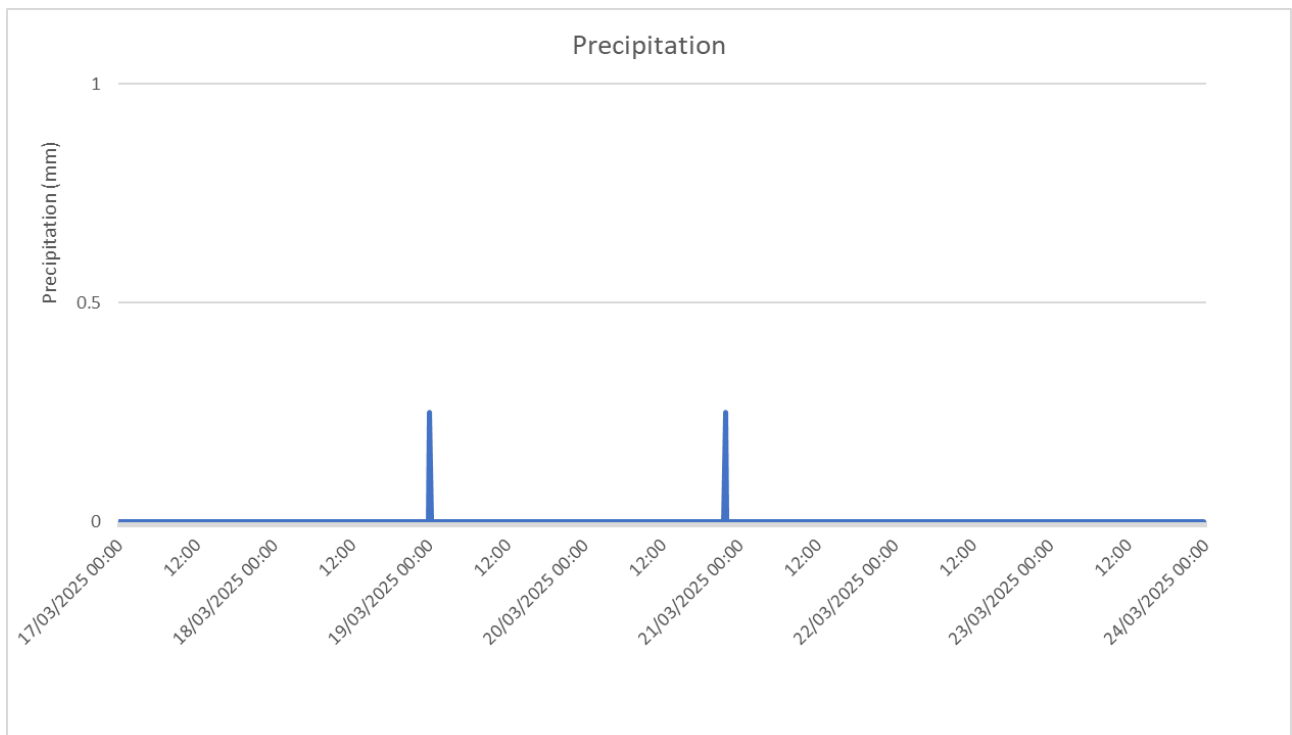
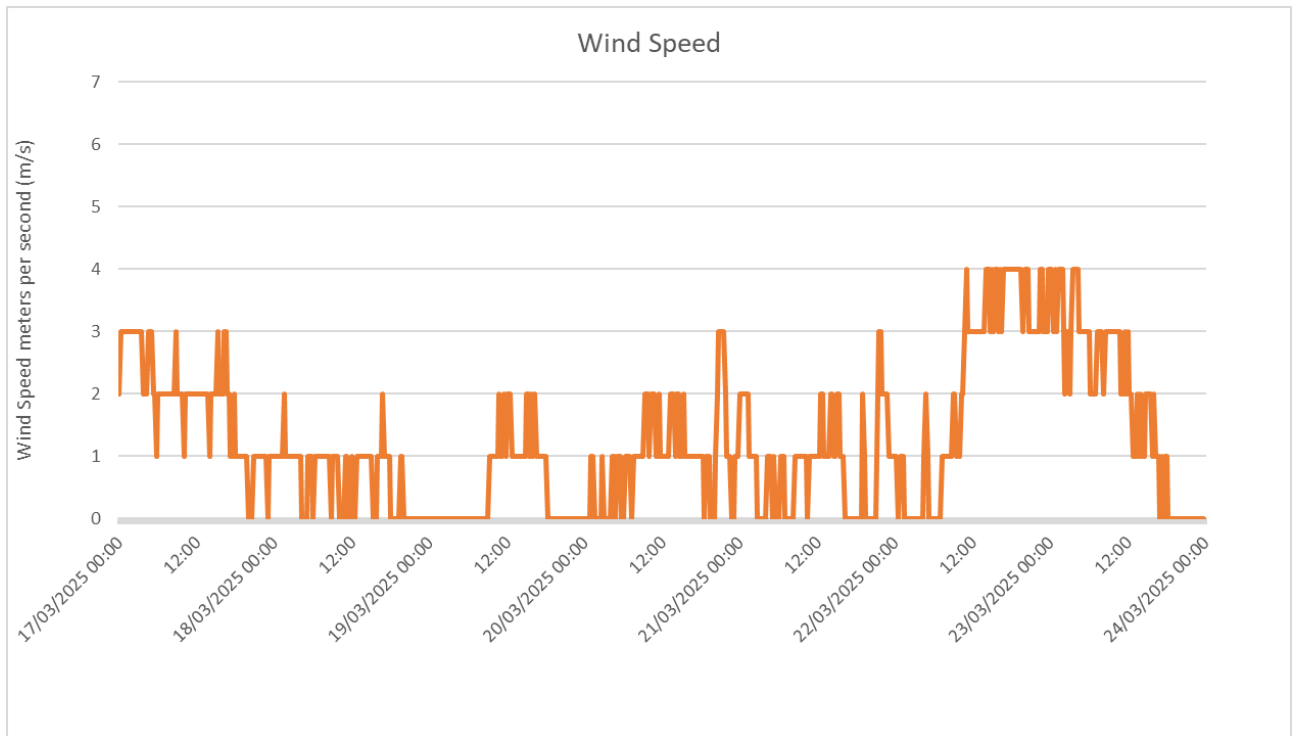
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Measured weather data: 17/03/2025 – 24/03/2025

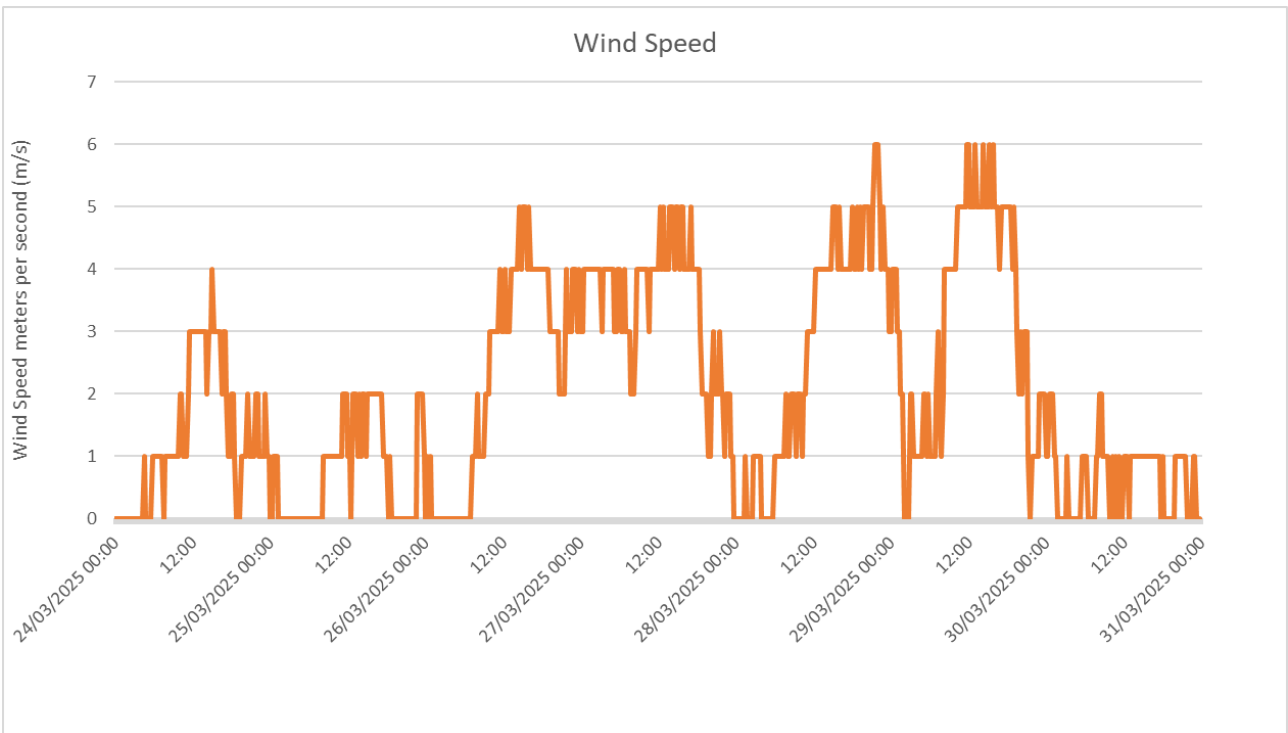
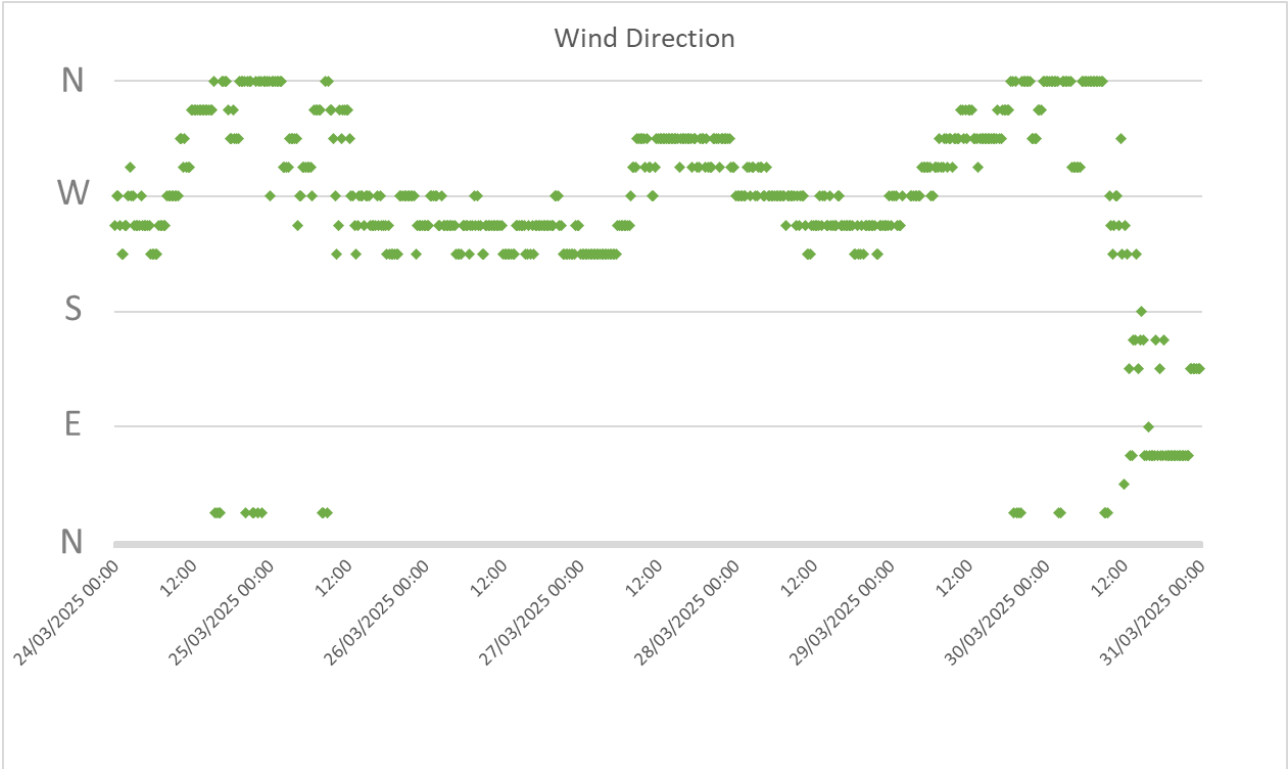


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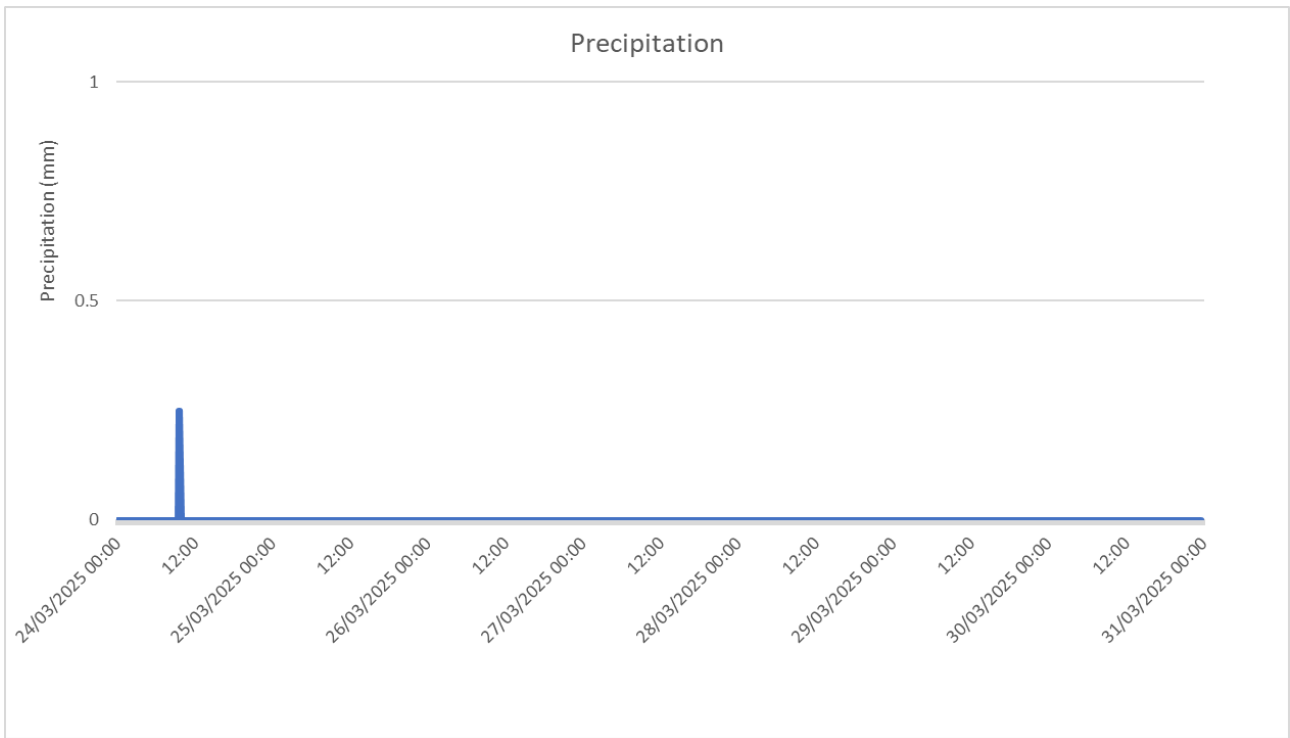


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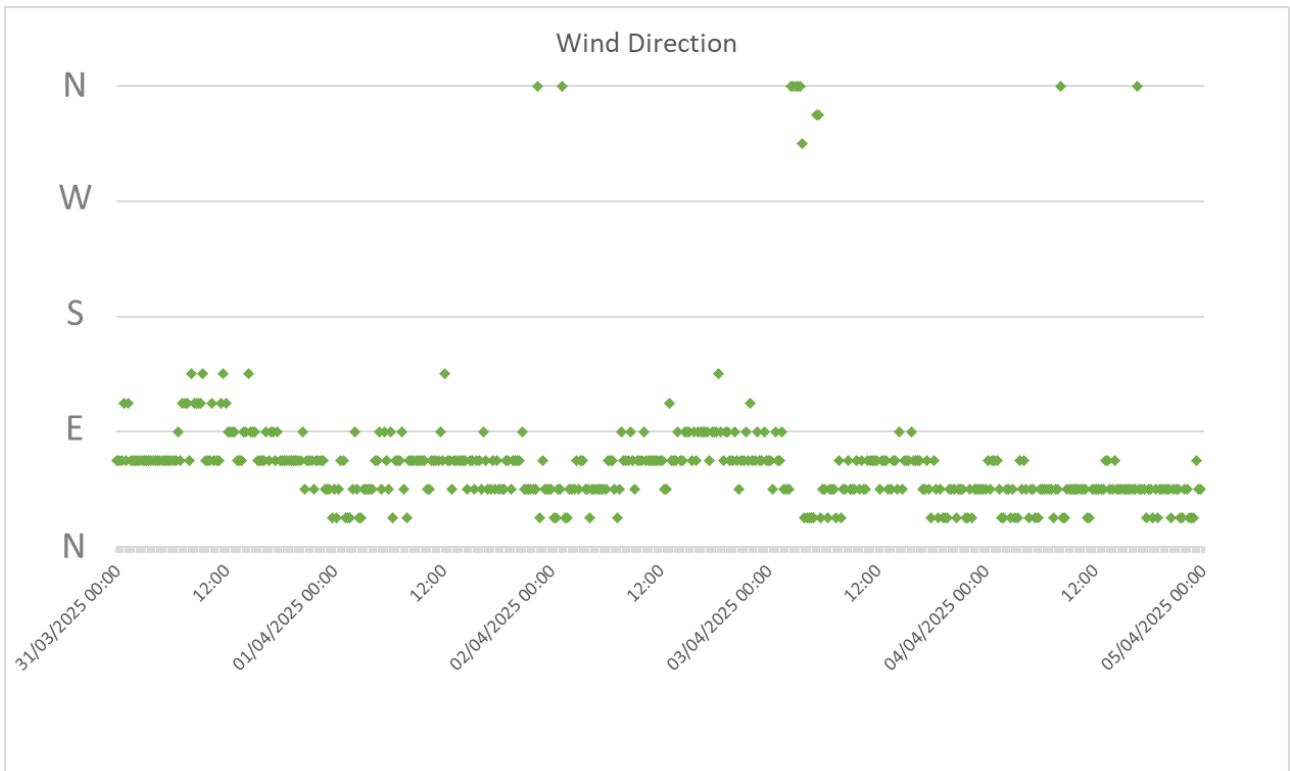
Measured weather data: 24/03/2025 – 31/03/2025



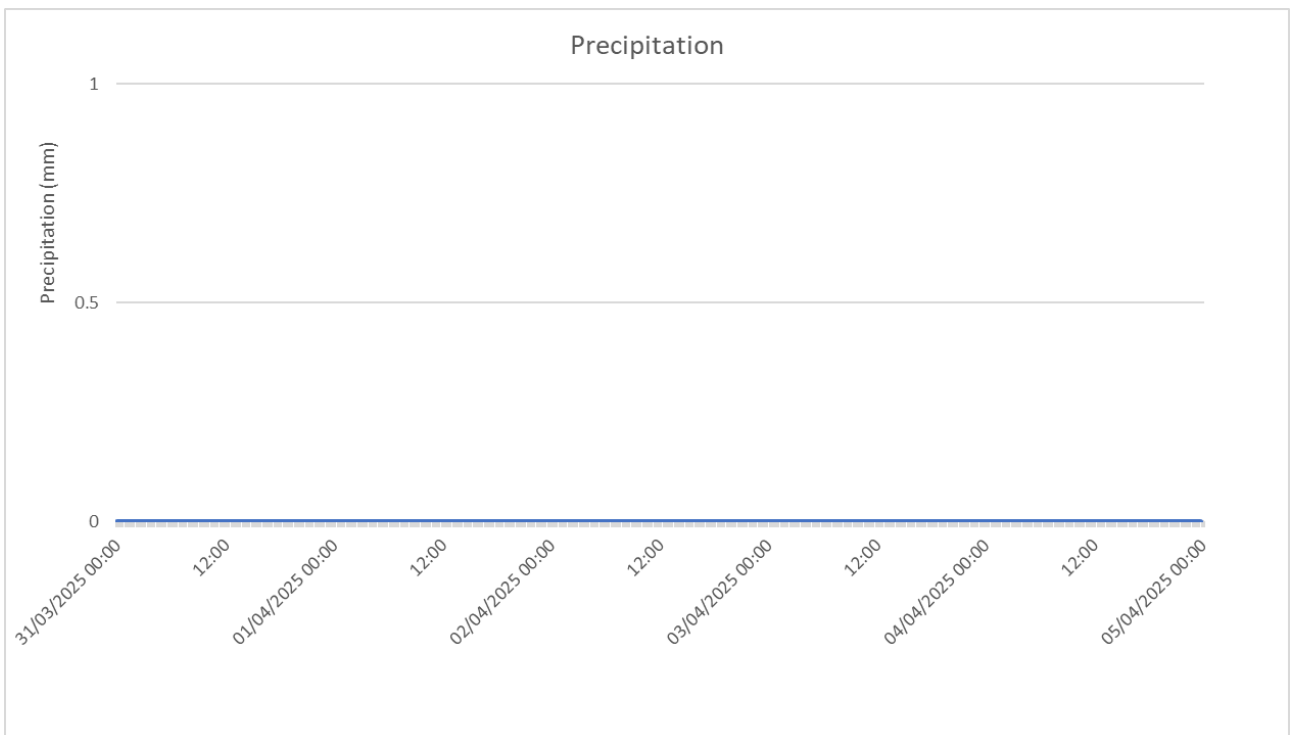
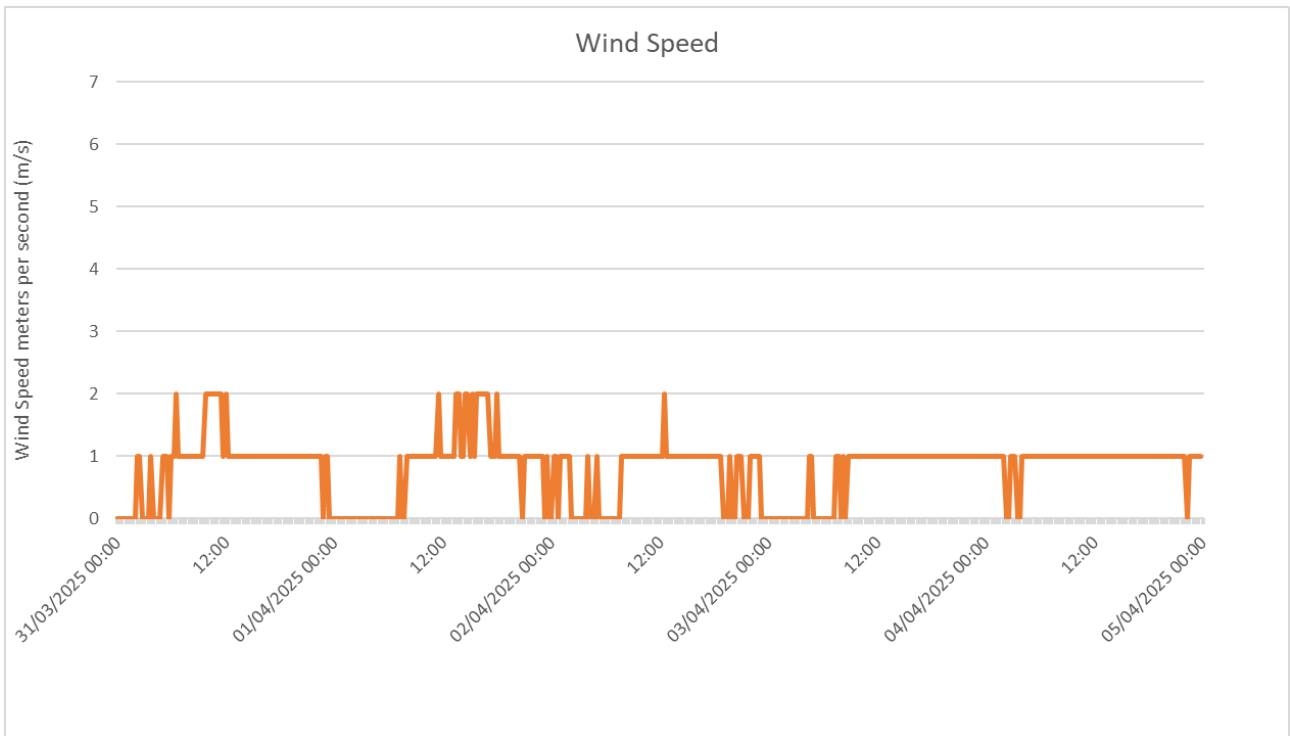
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Measured weather data: 31/03/2025 – 05/04/2025

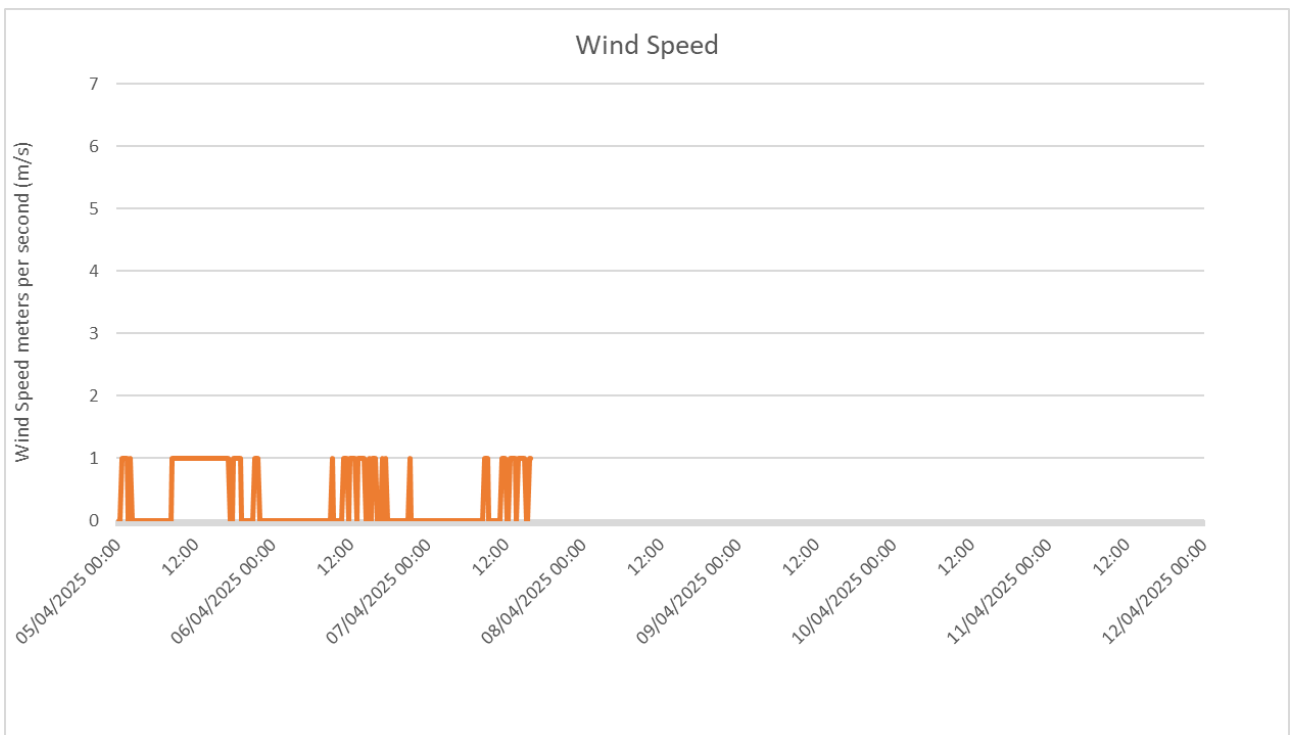
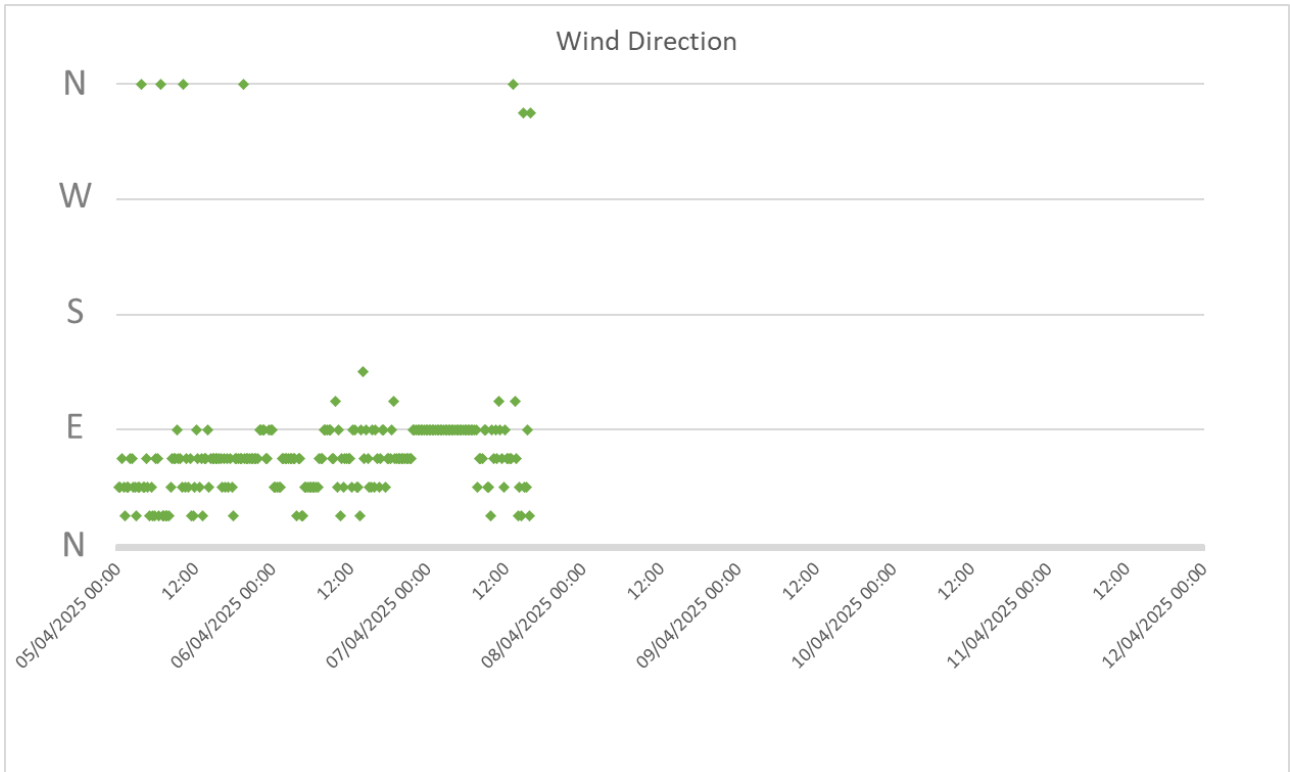


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Measured Weather Data: 05/04/2025 – 07/04/2025



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