



Richard Crookes Constructions

The Art Gallery of NSW
Sydney Modern Development

Noise and Vibration Monitoring Results
Report July

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Document Control

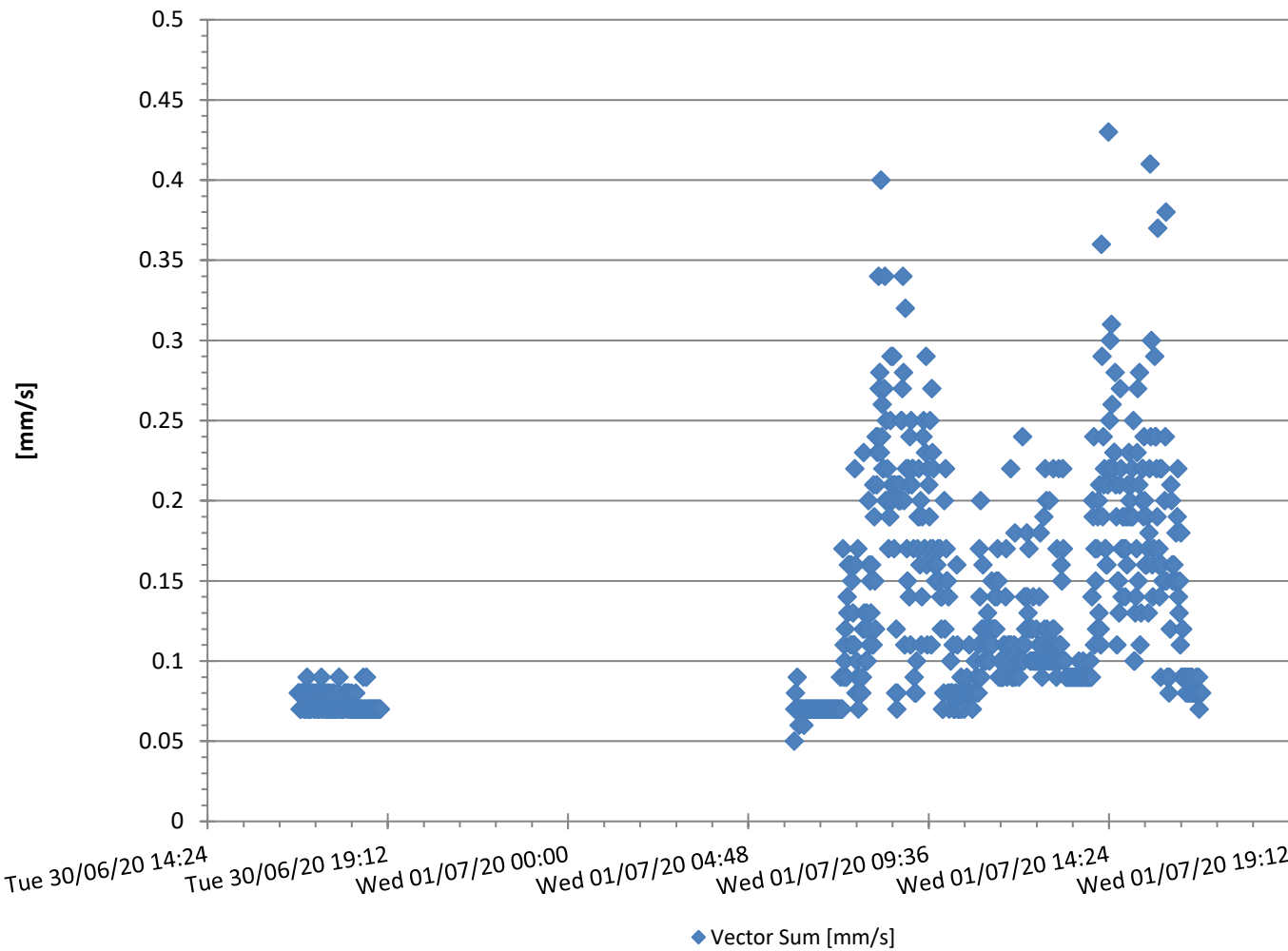
Project Name	Sydney Modern Development
Project Number	19078
Document Type	Noise and Vibration Monitoring Results
Reference Number	19078_200803_Monitoring Results_July_BW_R0
Attention	Belinda Luther

Revision	Date	Reference Number	Drafted By	Approved By
0	3/08/2020	19078_200803_Monitoring Results_July_BW_R0	BW	BW

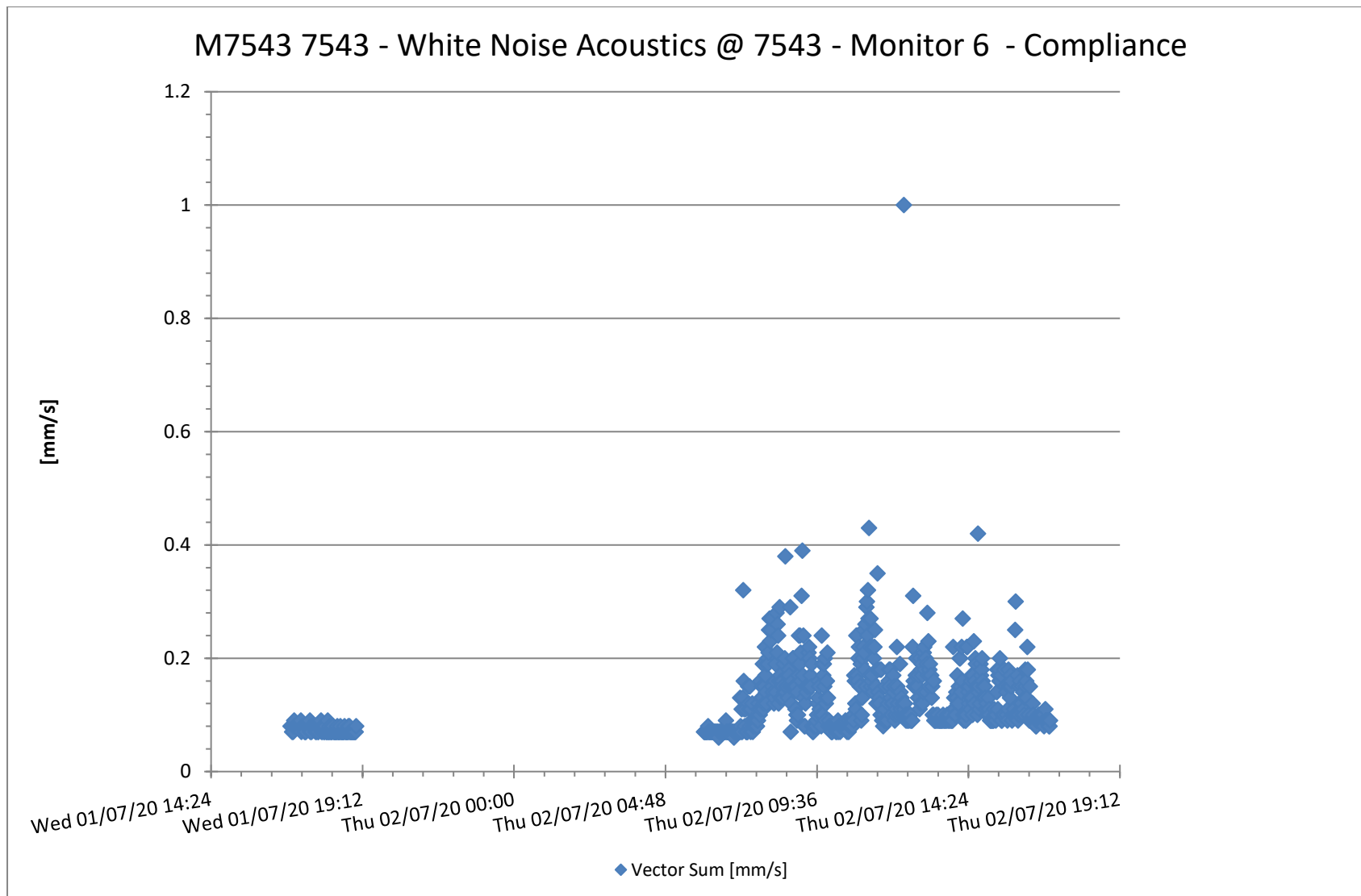


8 Appendix B – Logger Location 1 – Monitor 7543

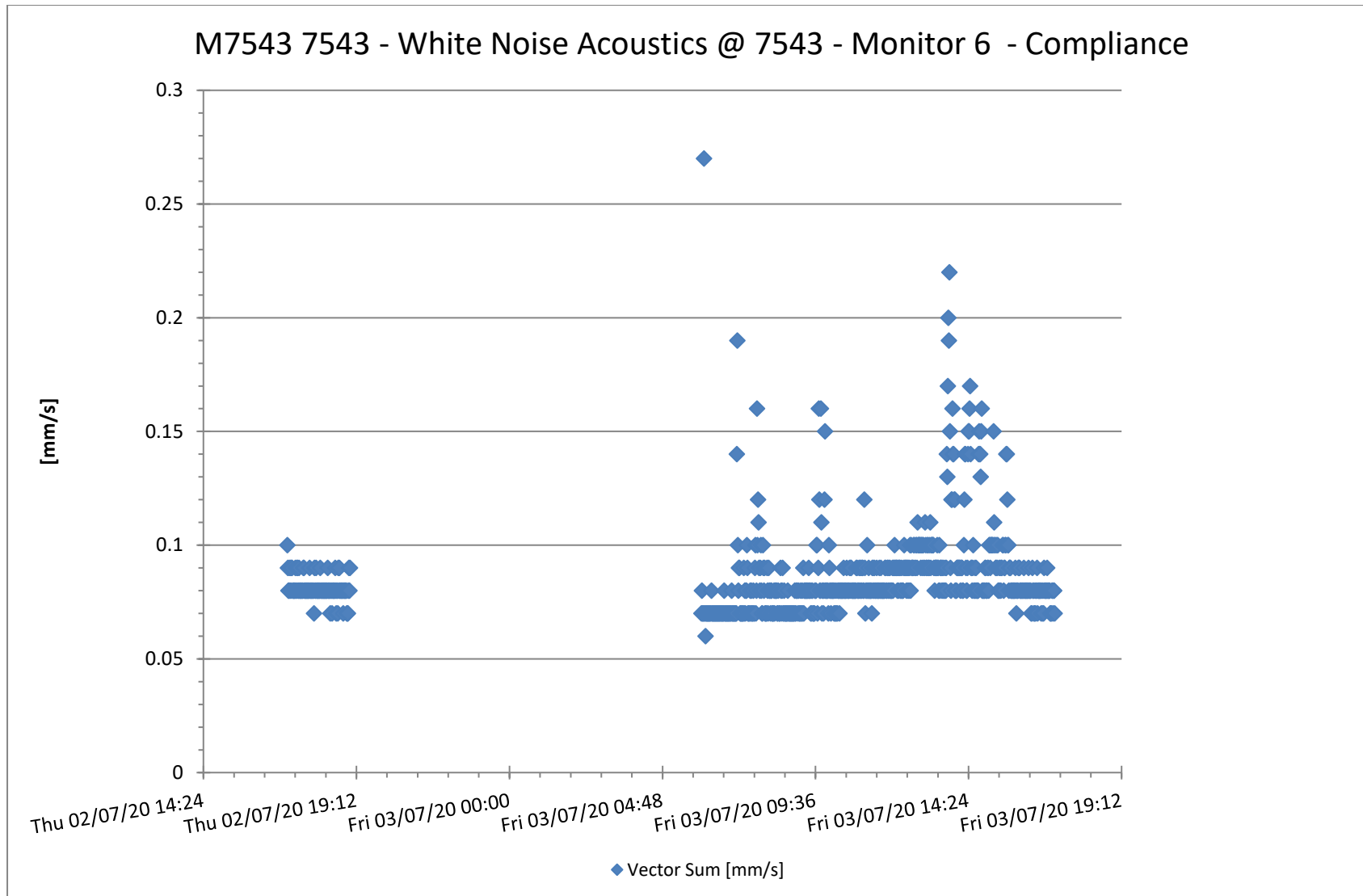
M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



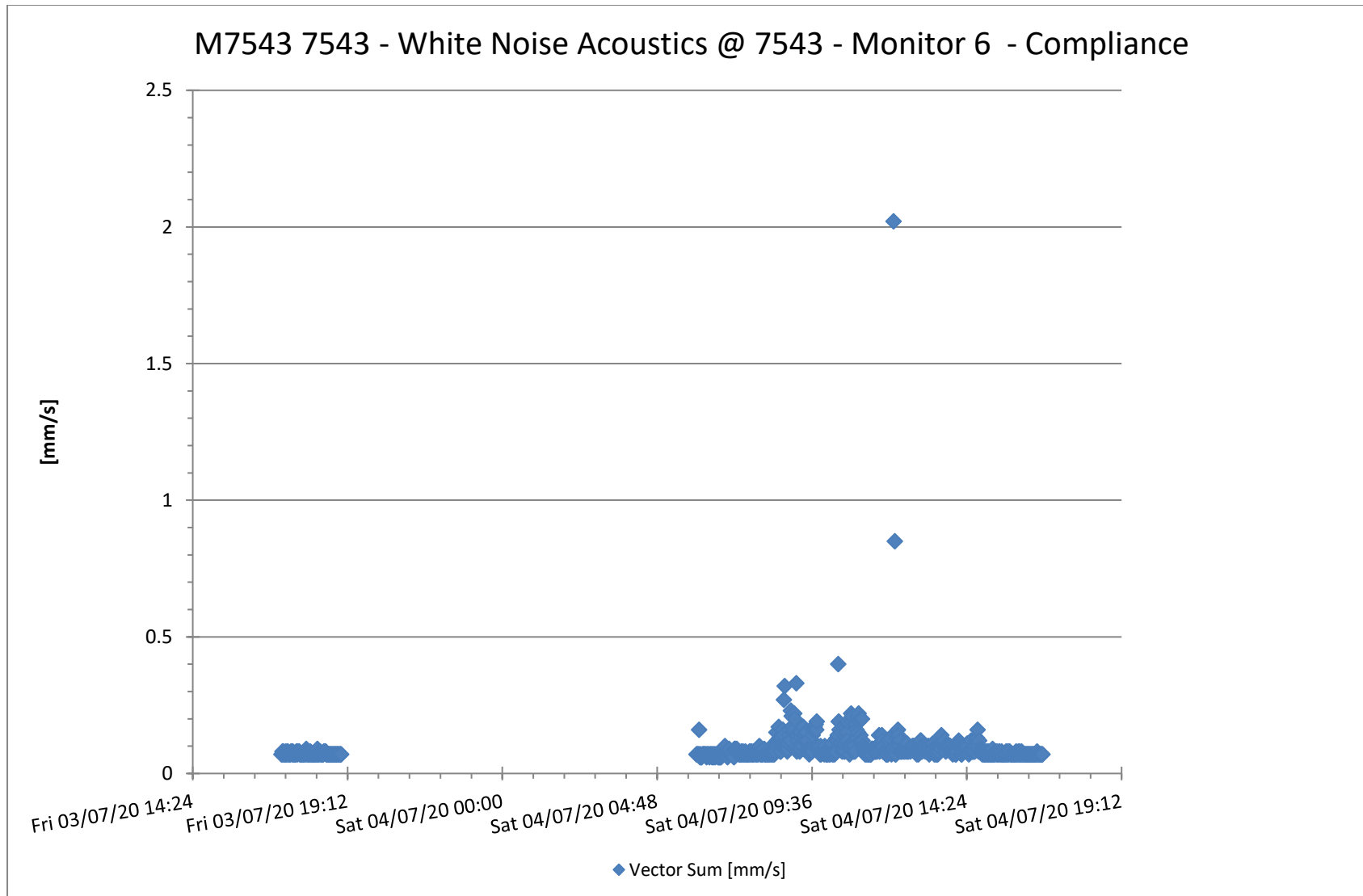
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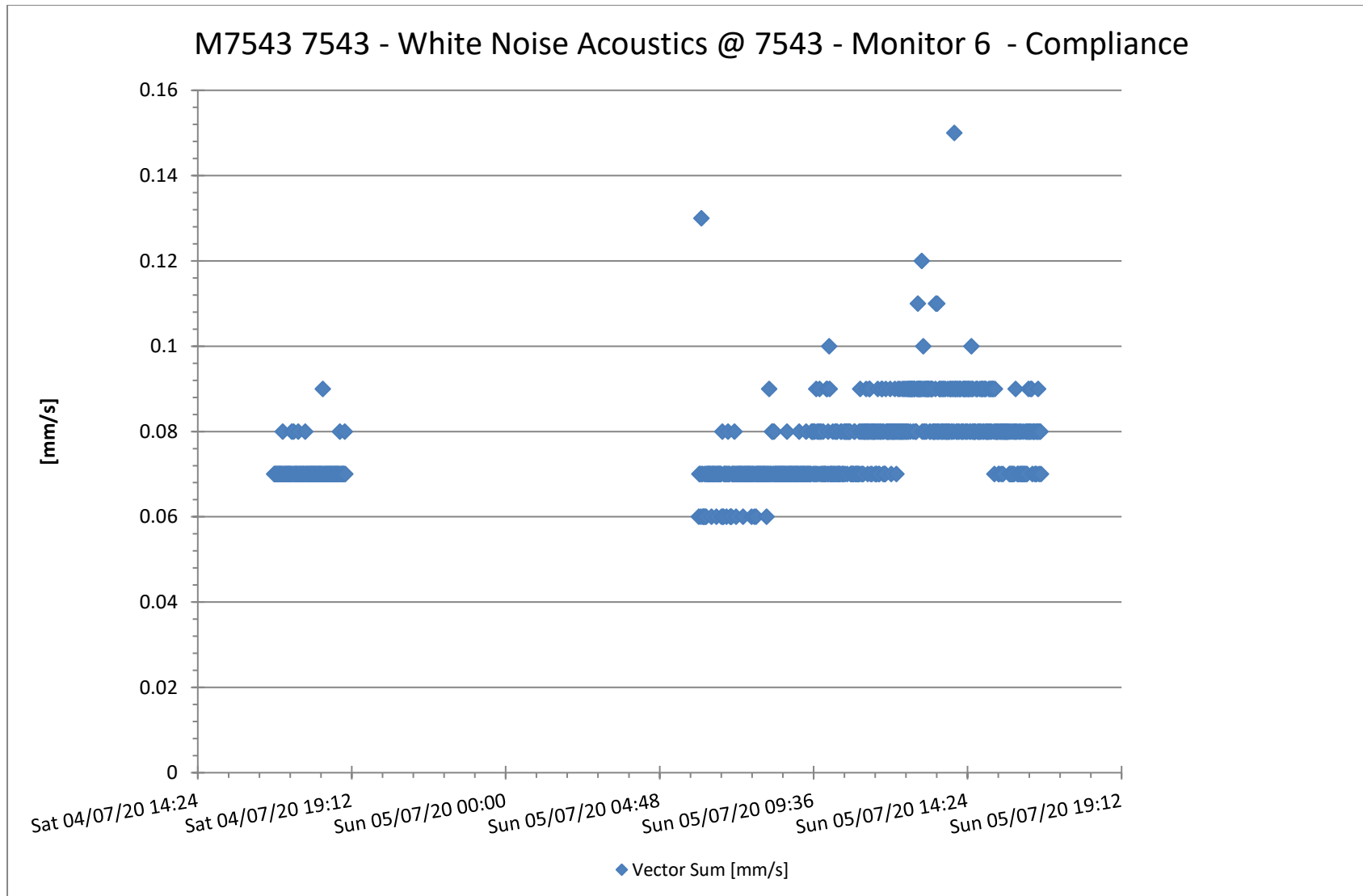
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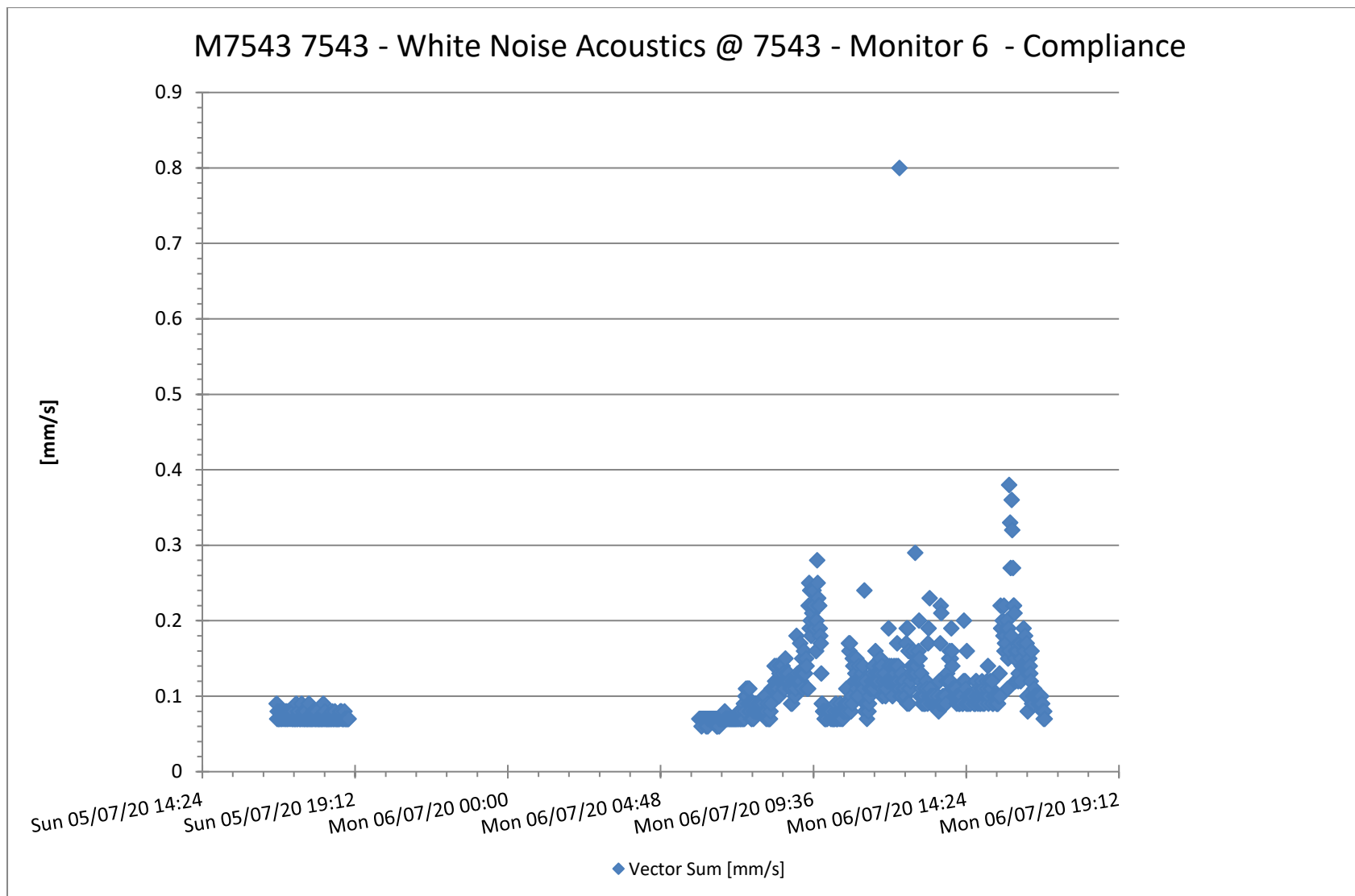
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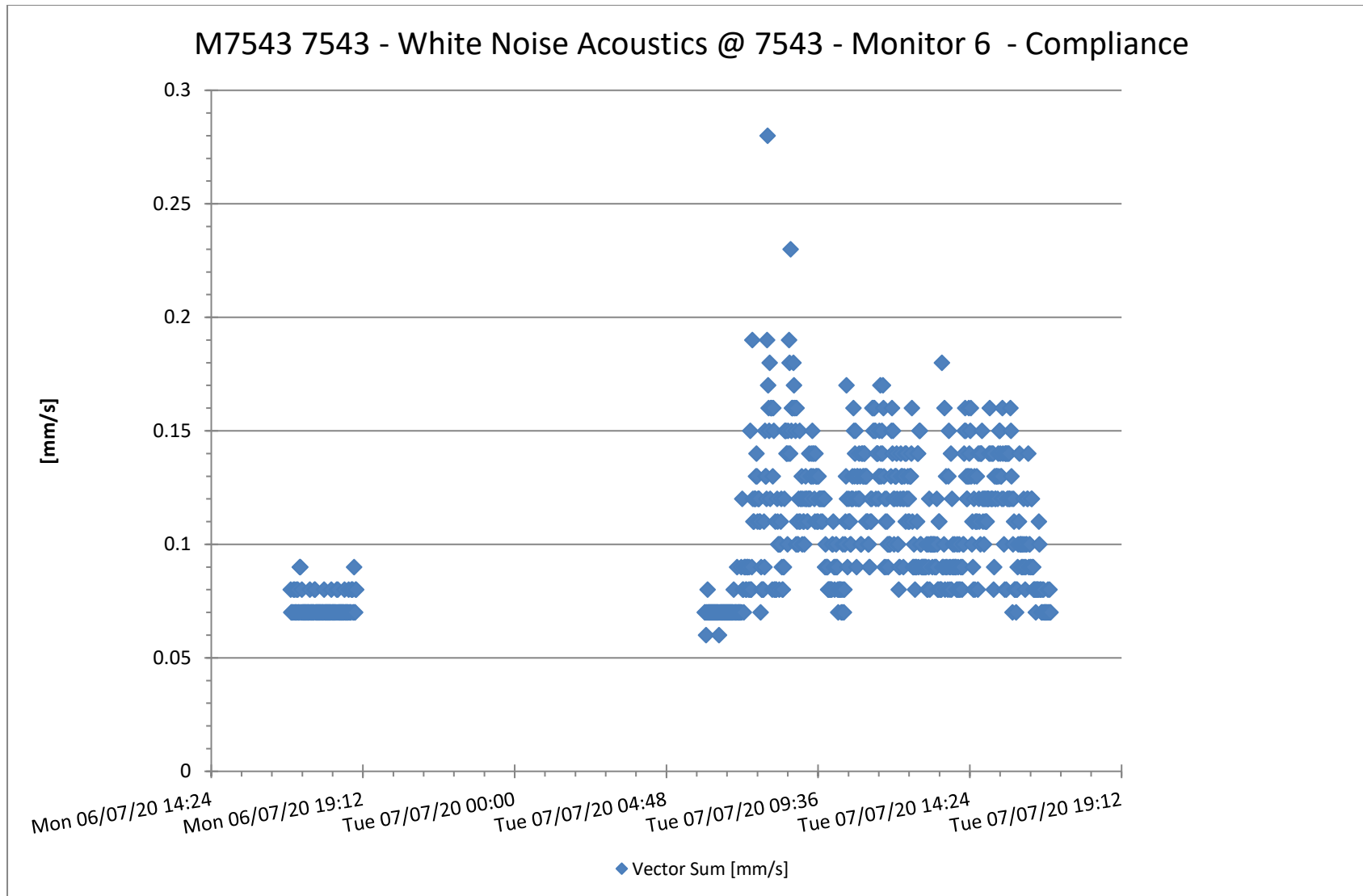
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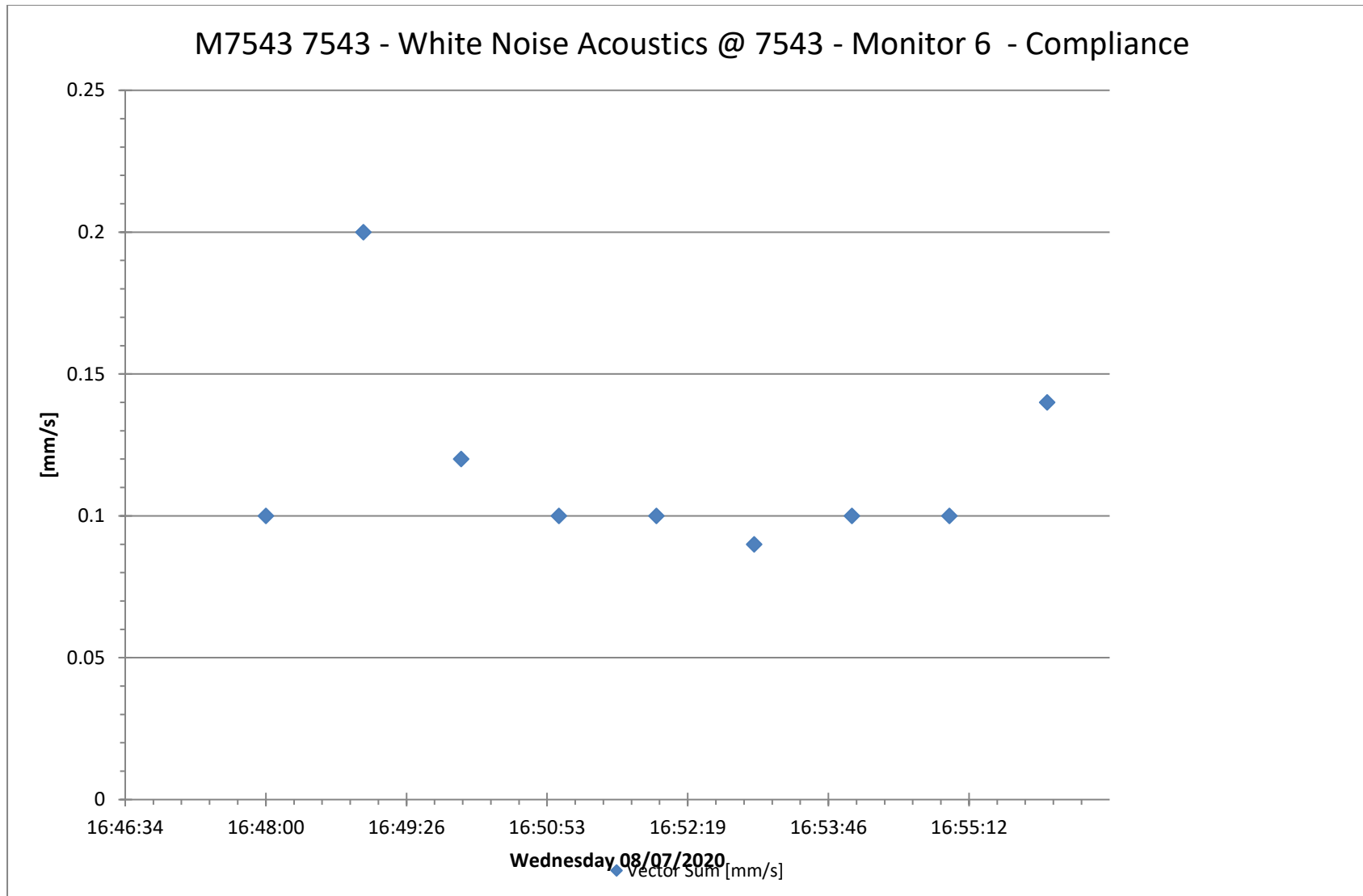
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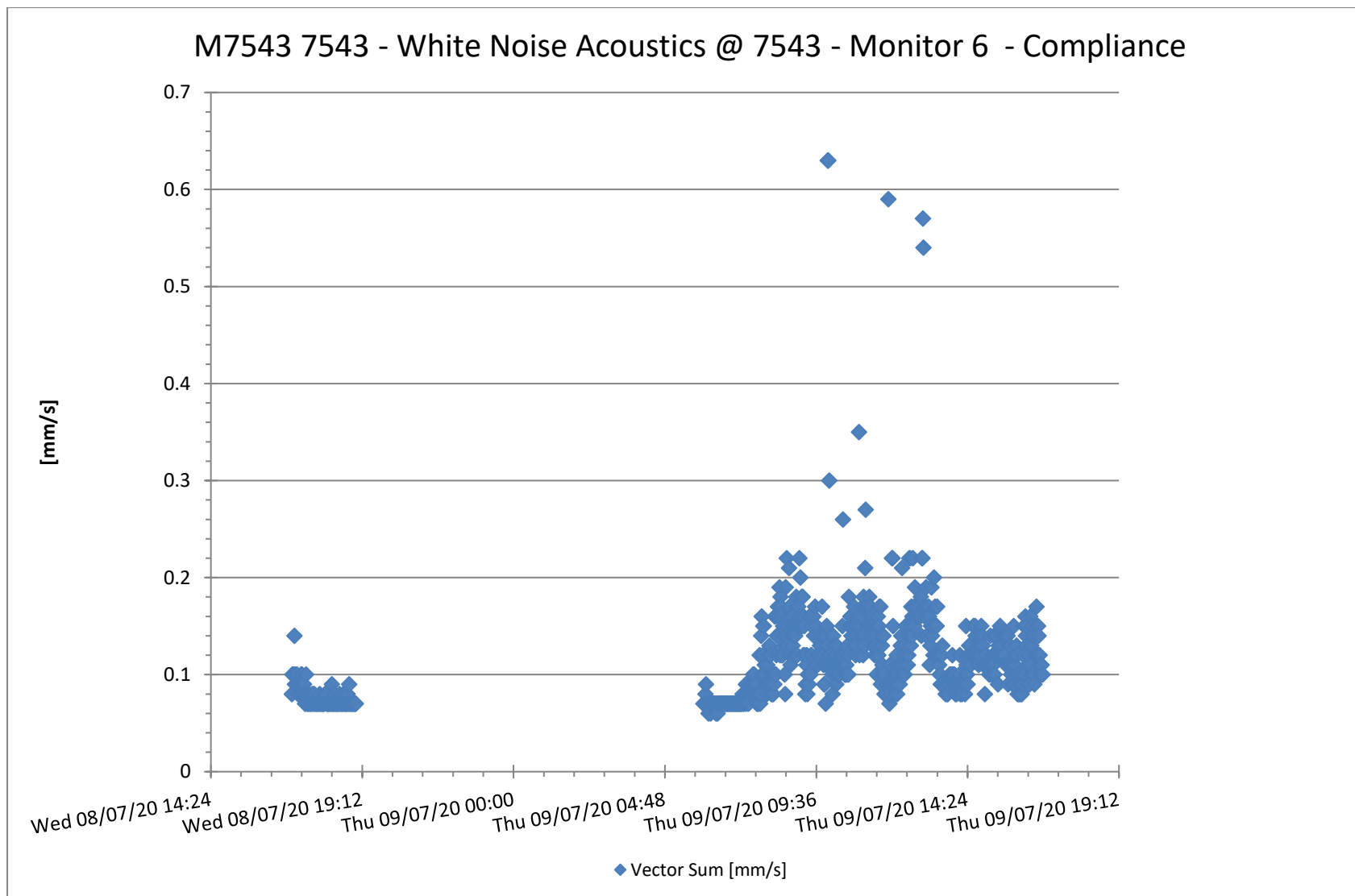
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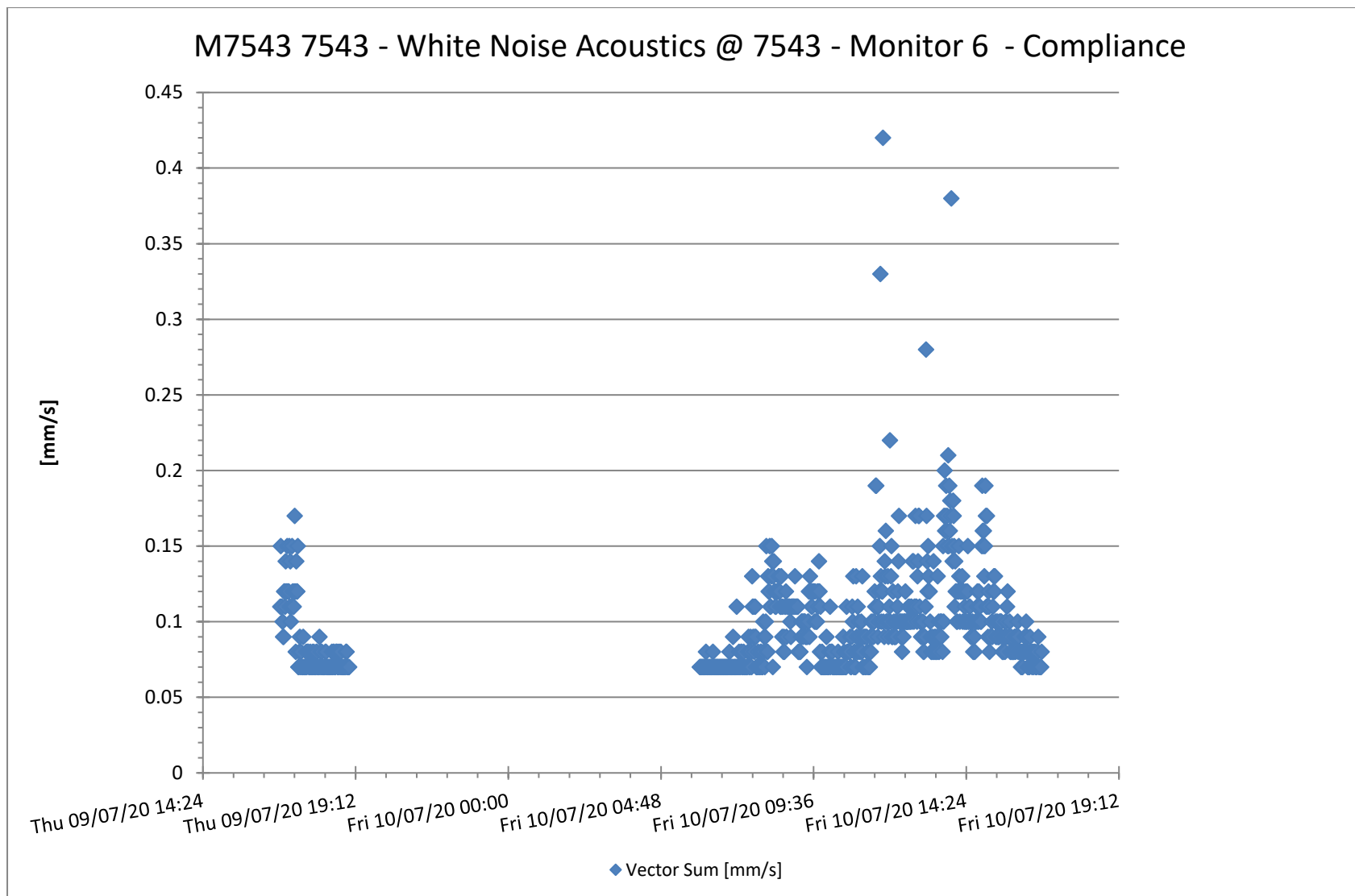
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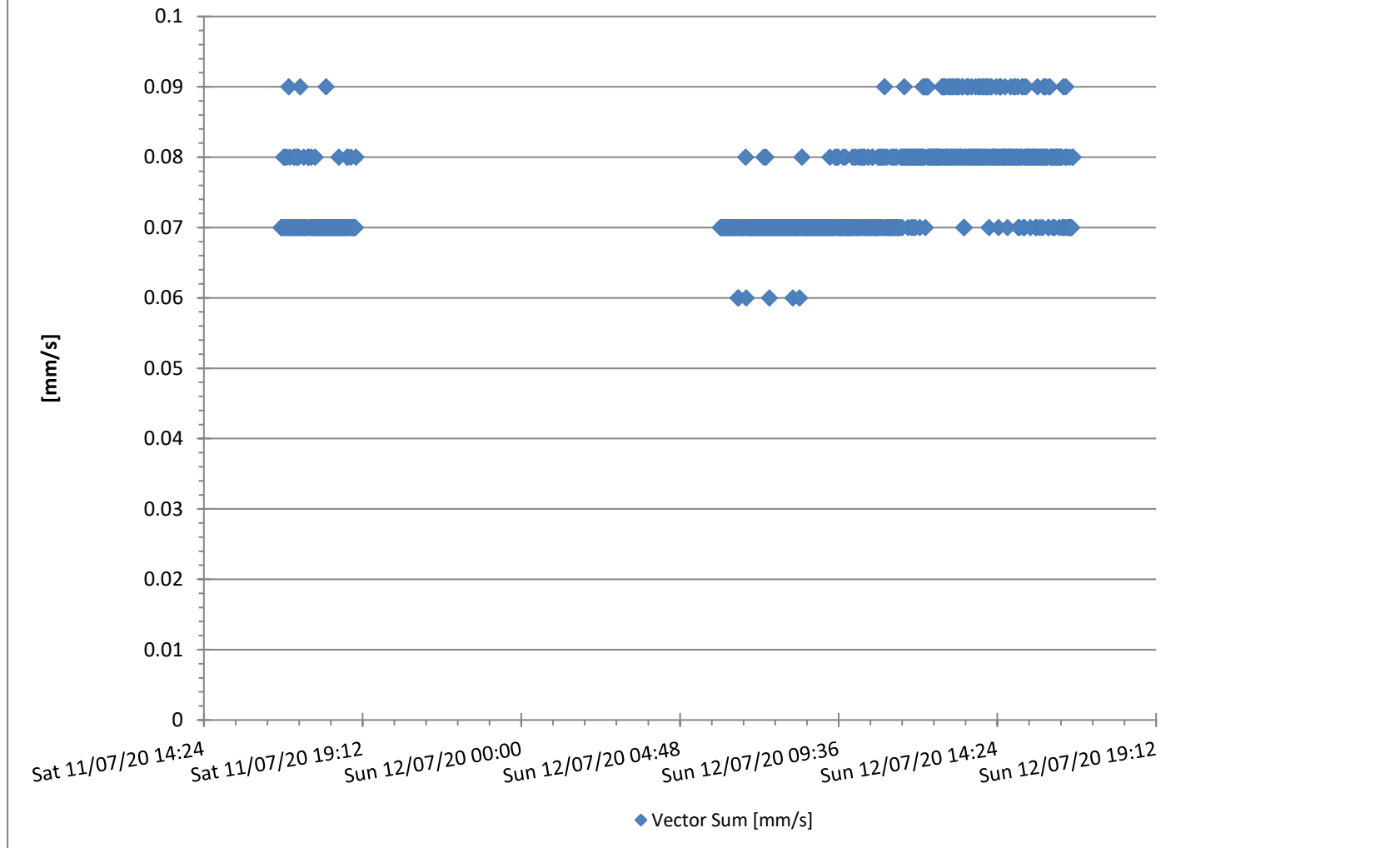
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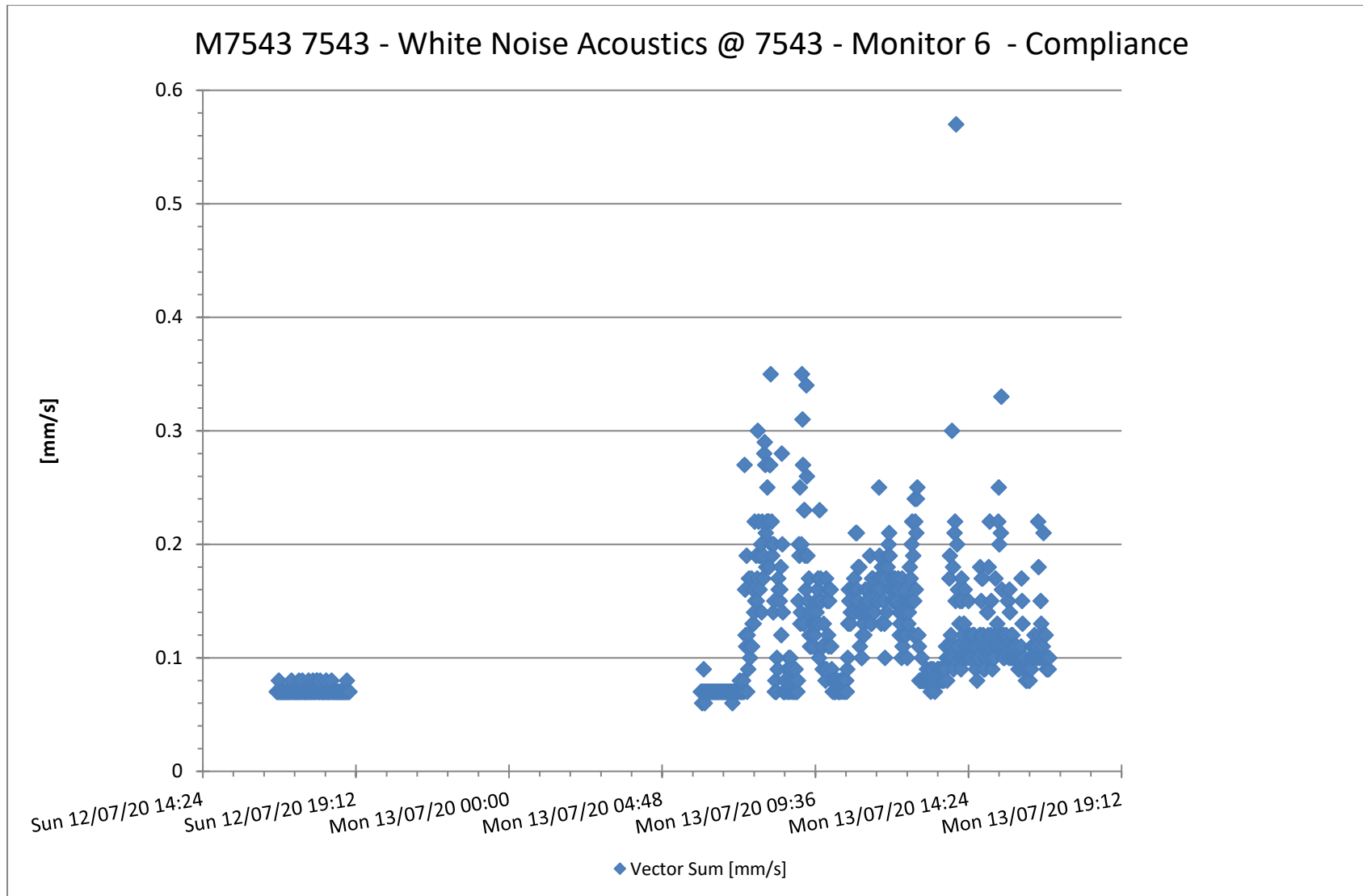
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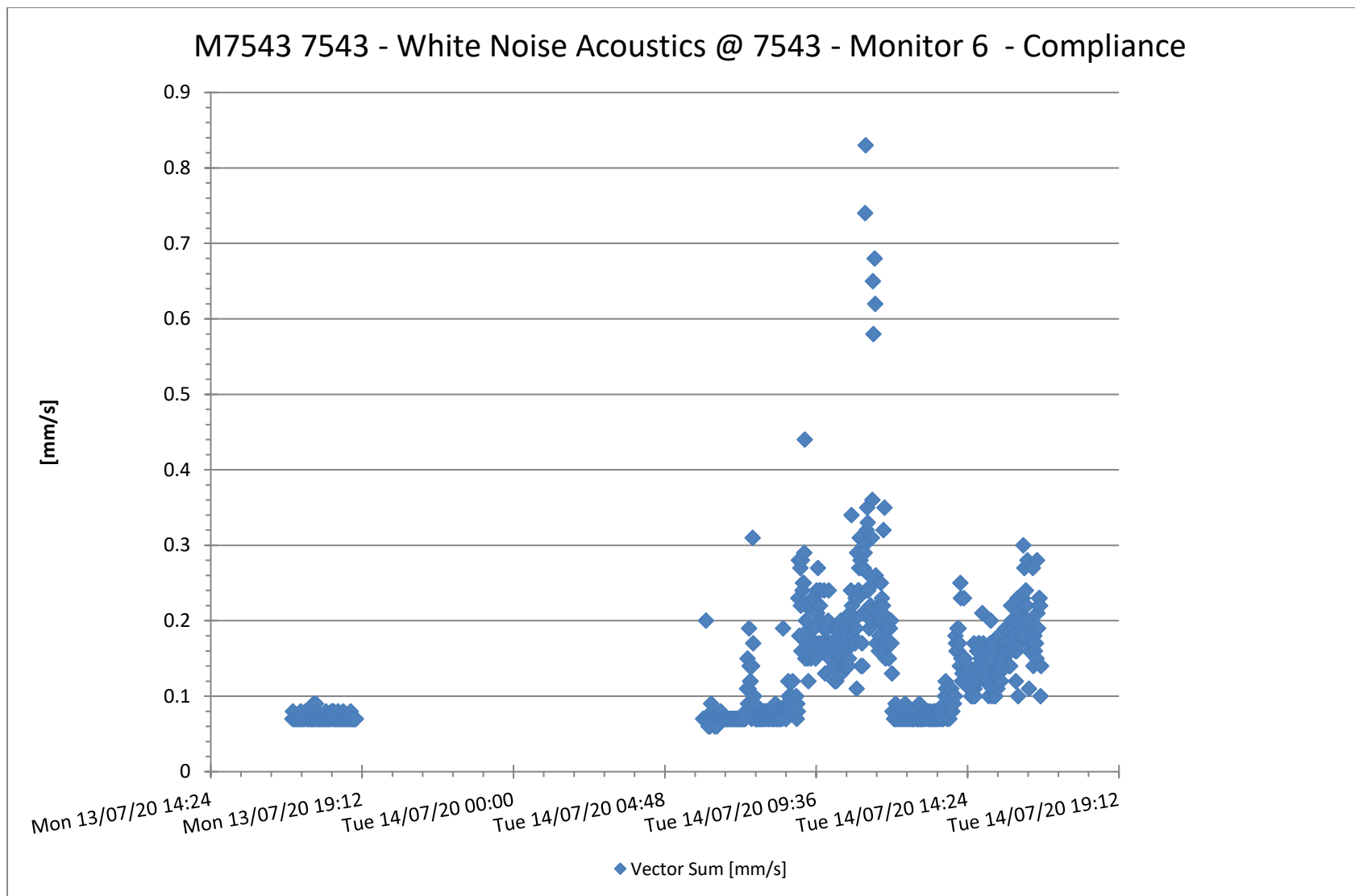
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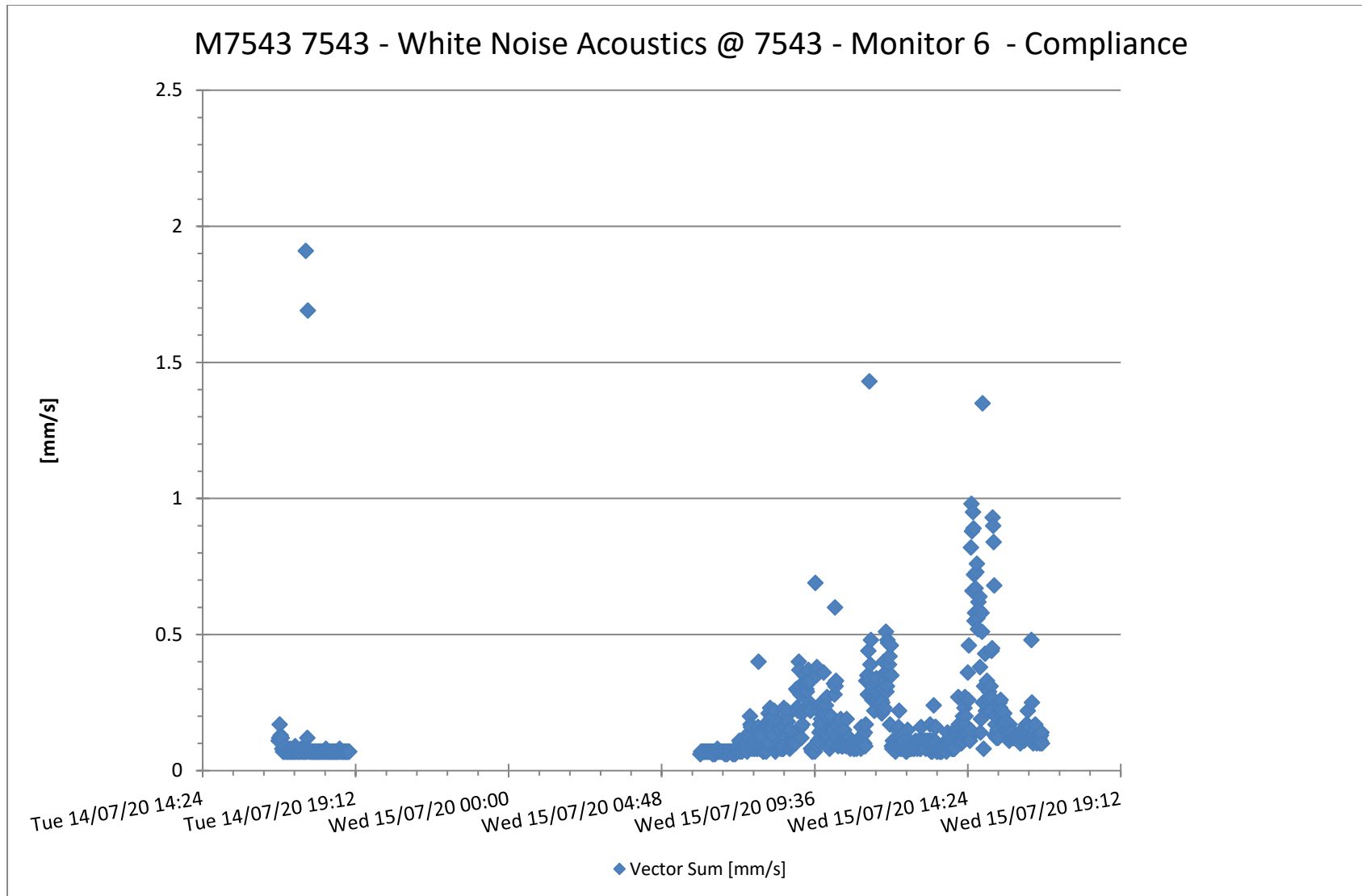
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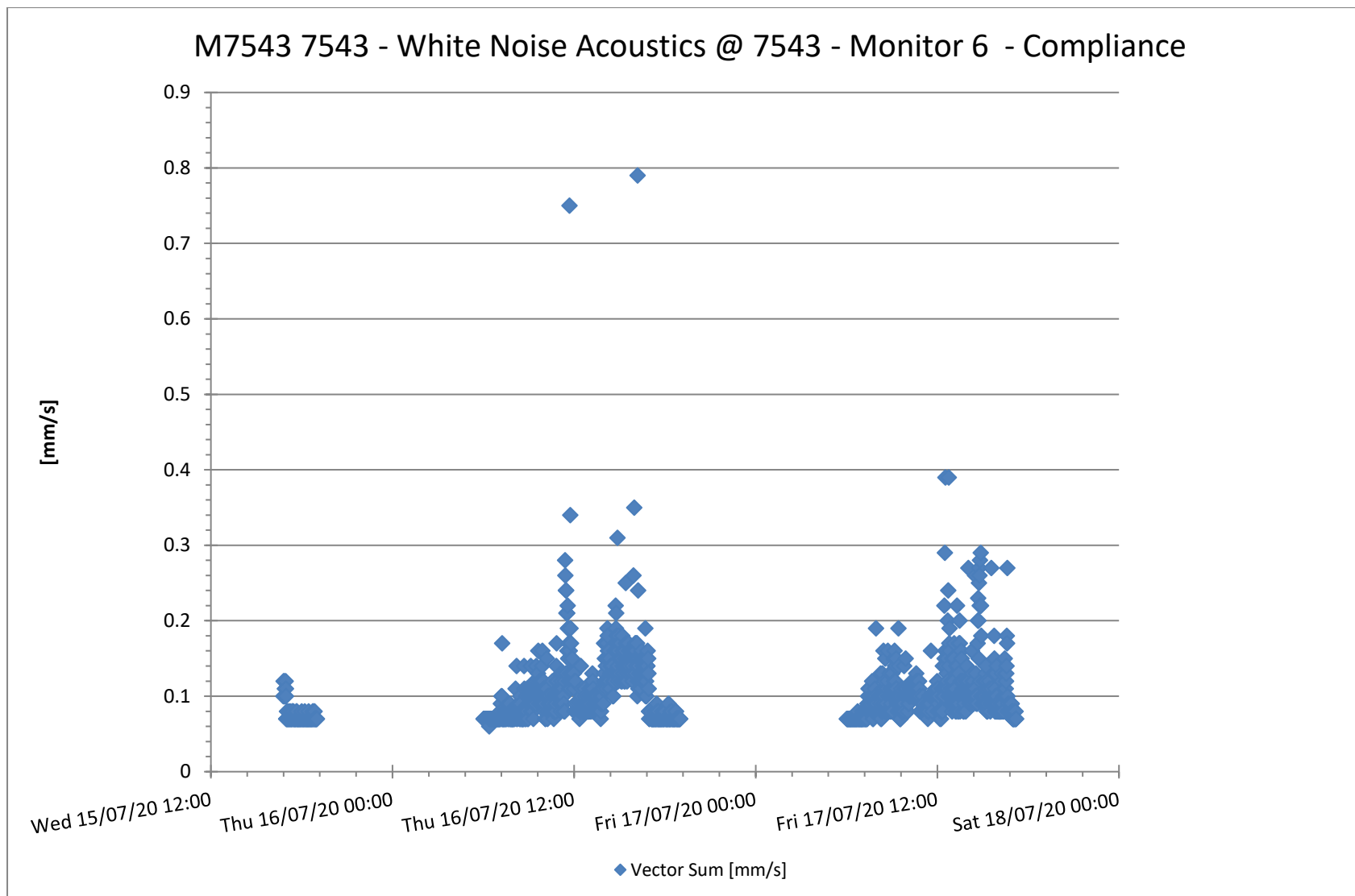
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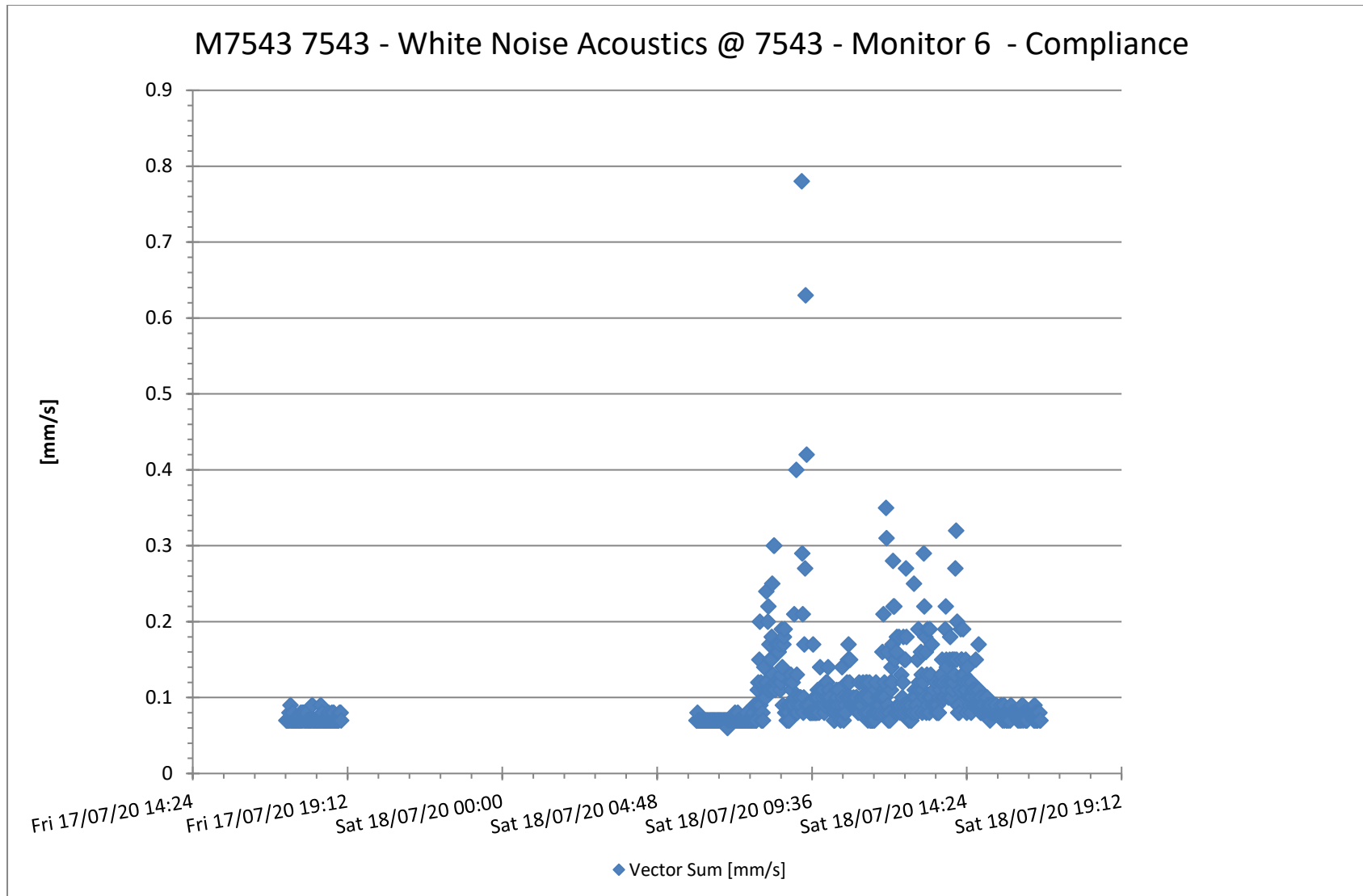
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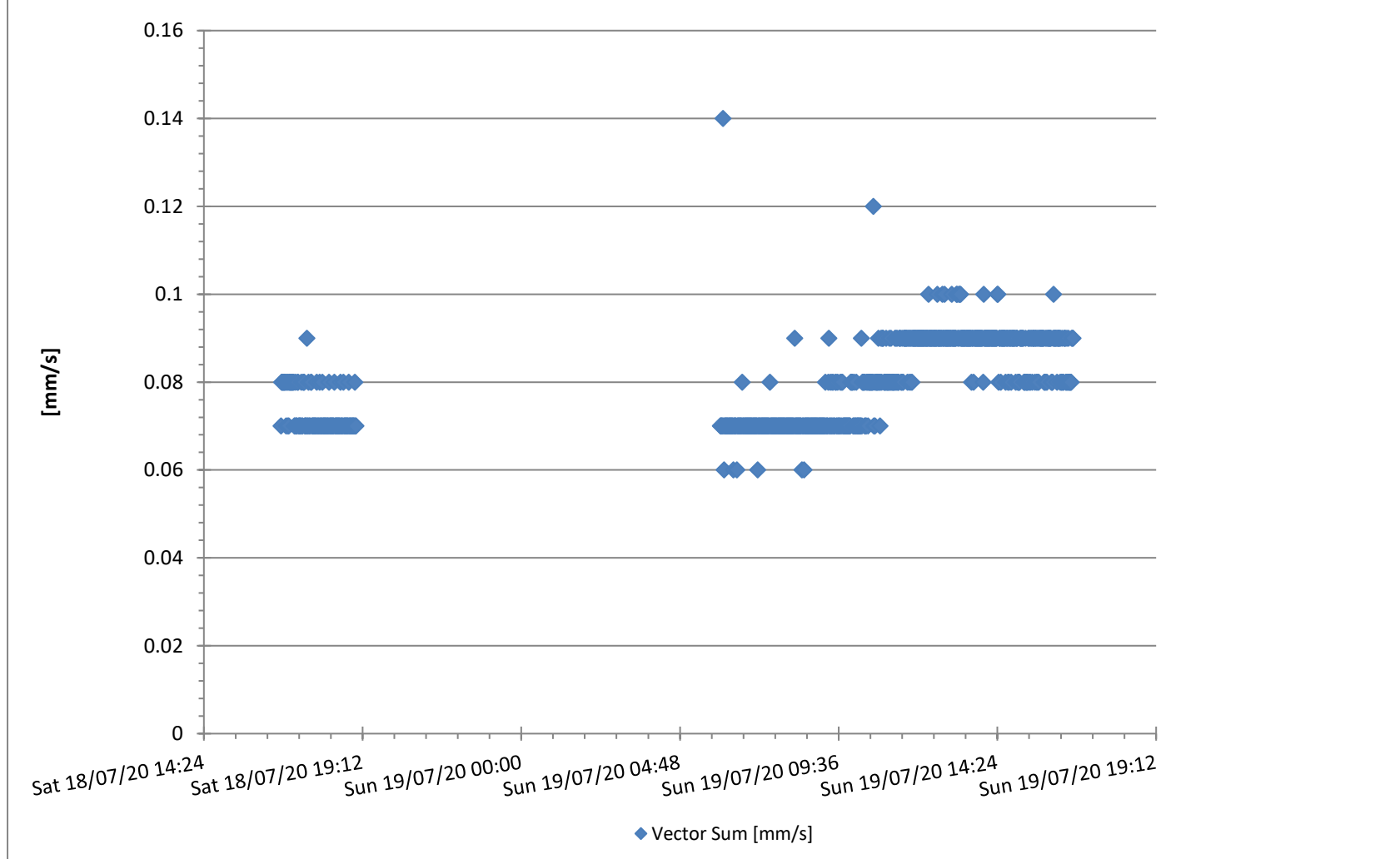
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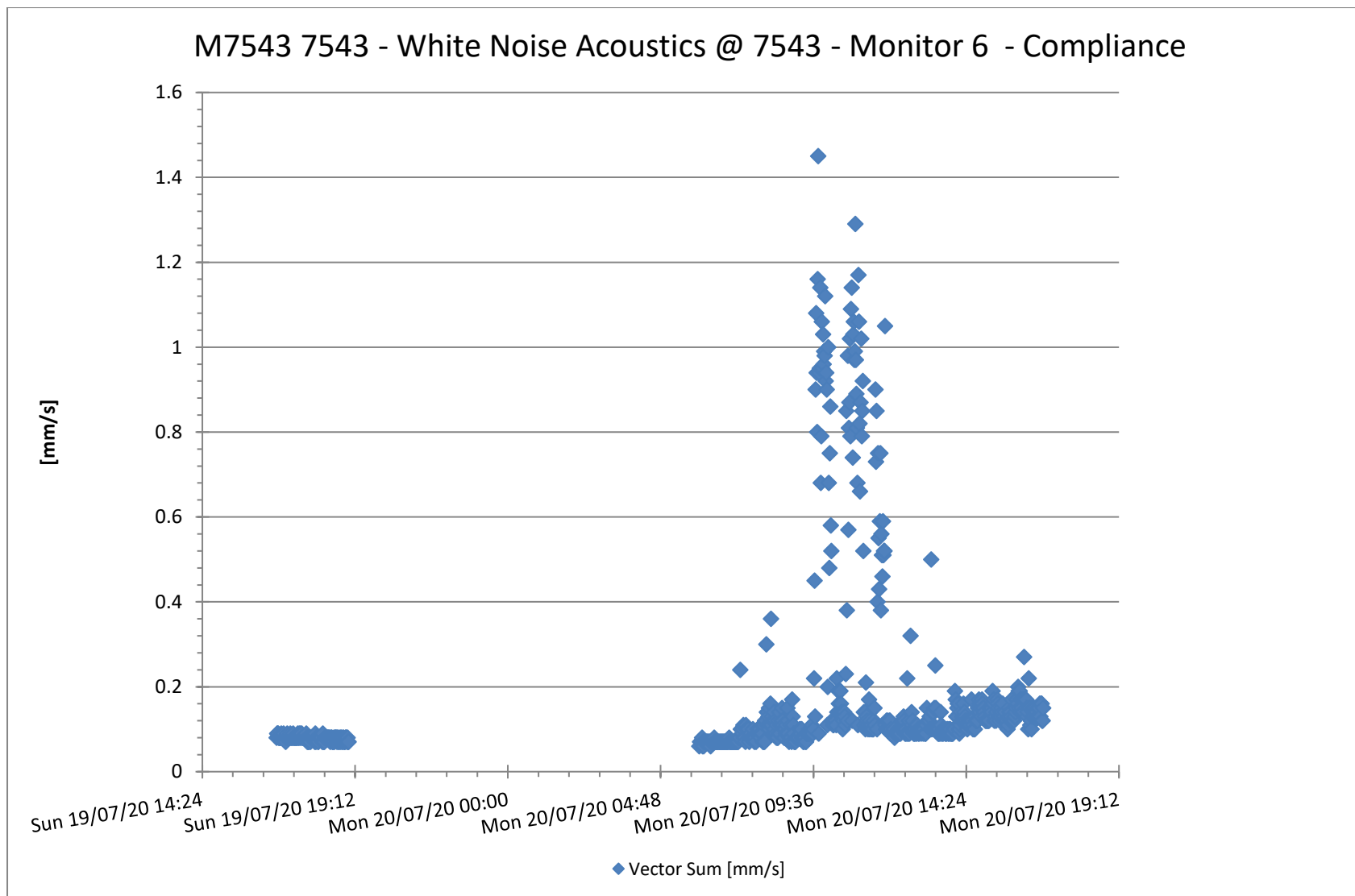
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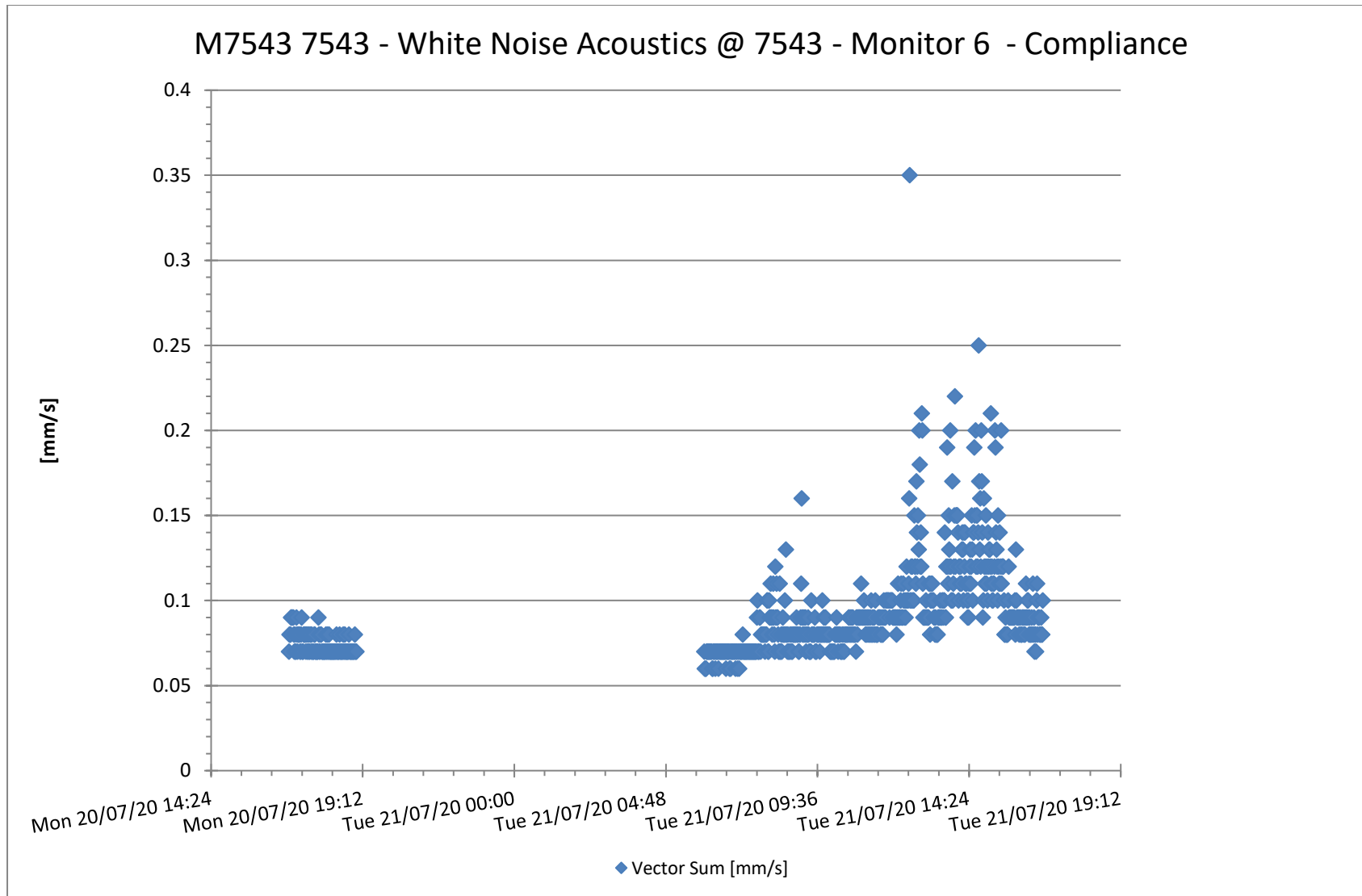
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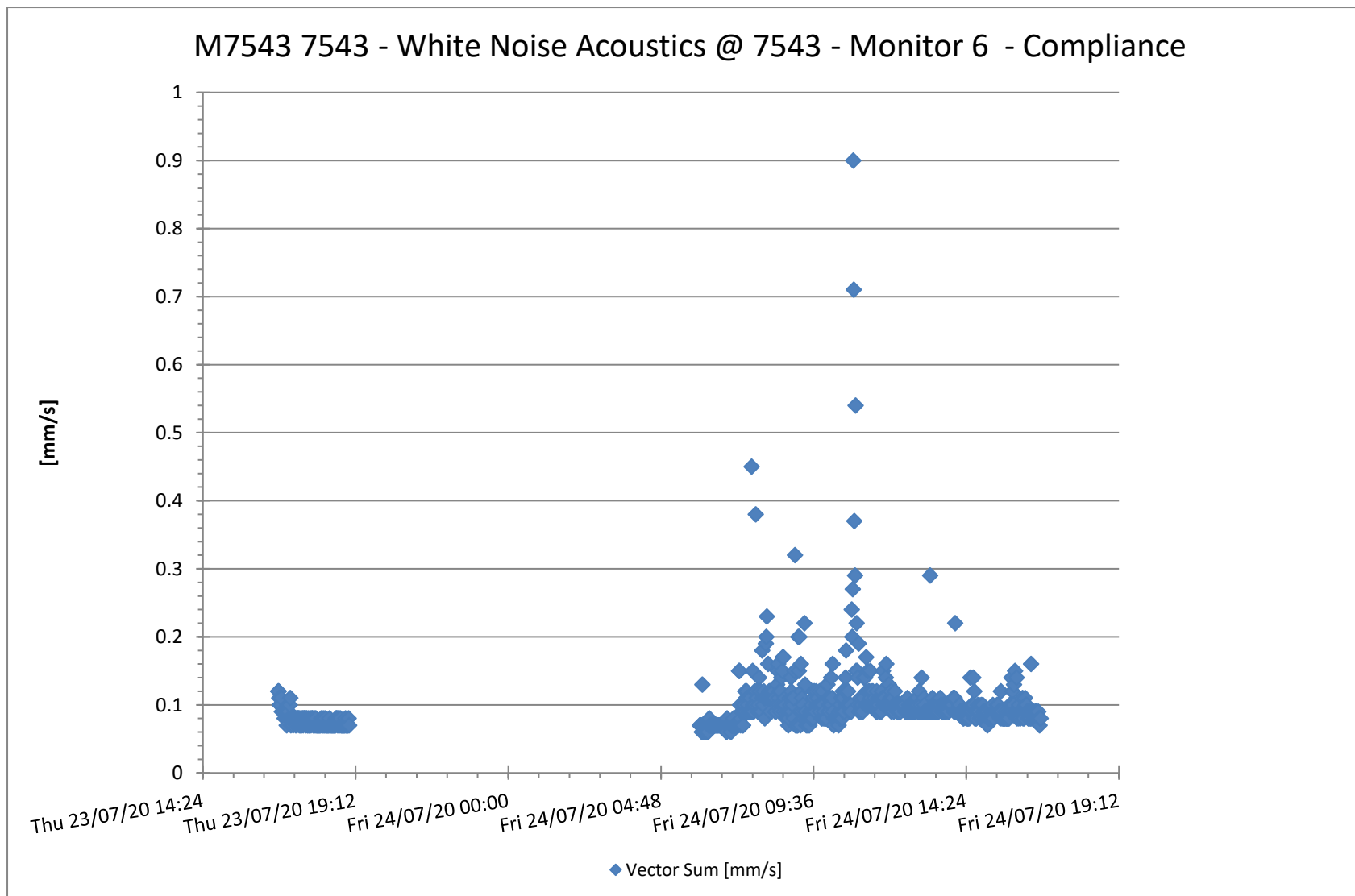
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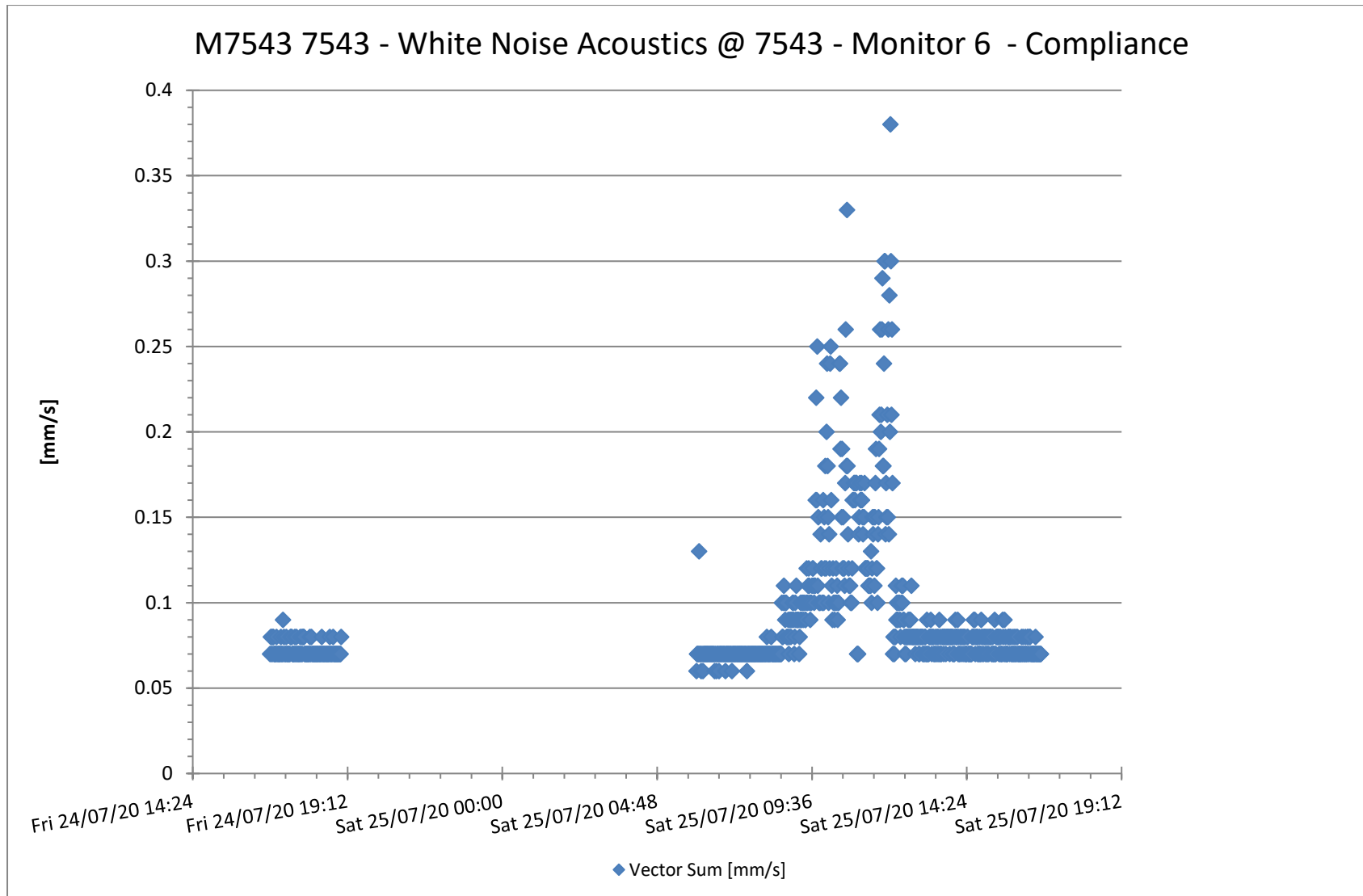
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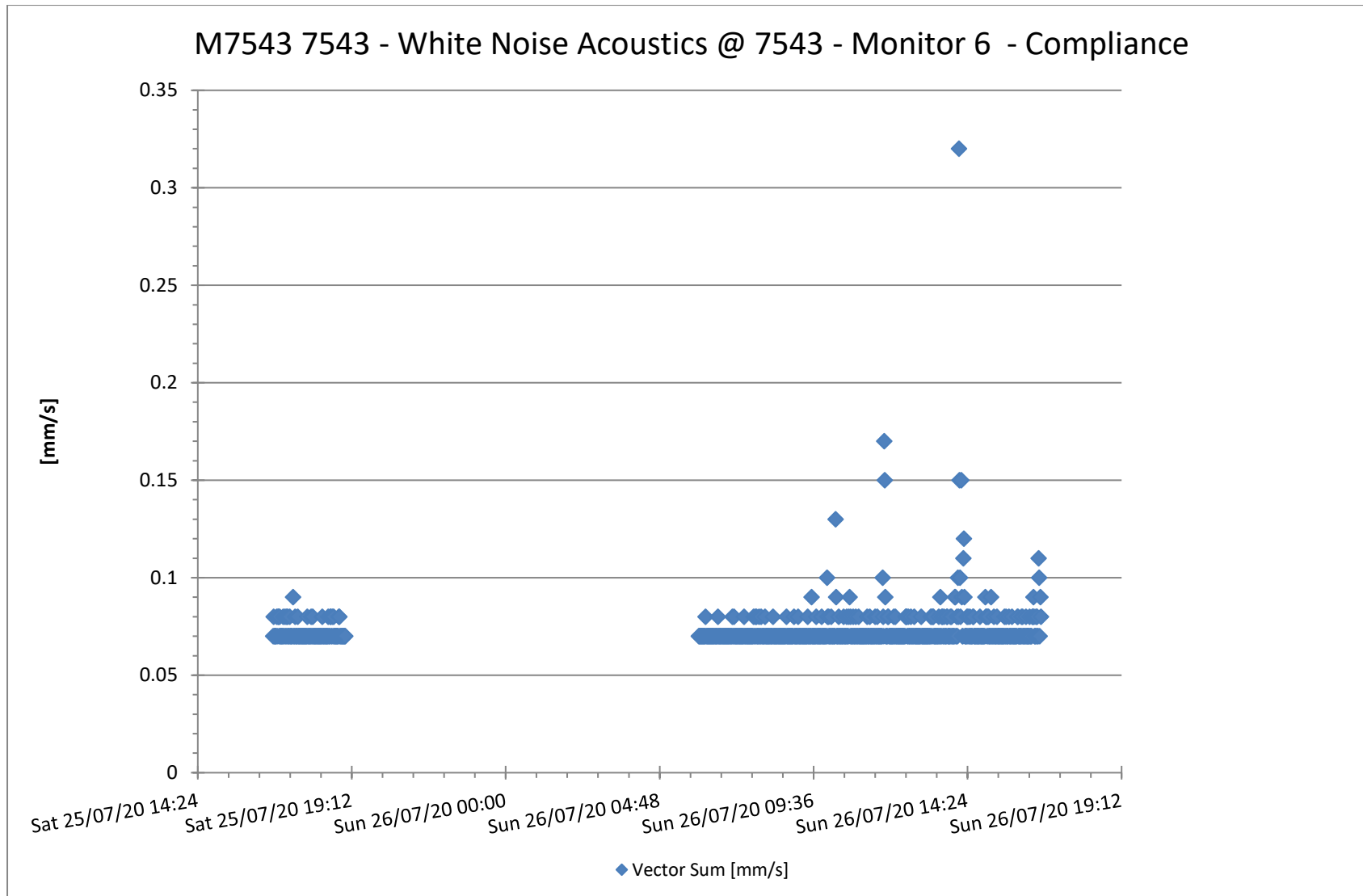
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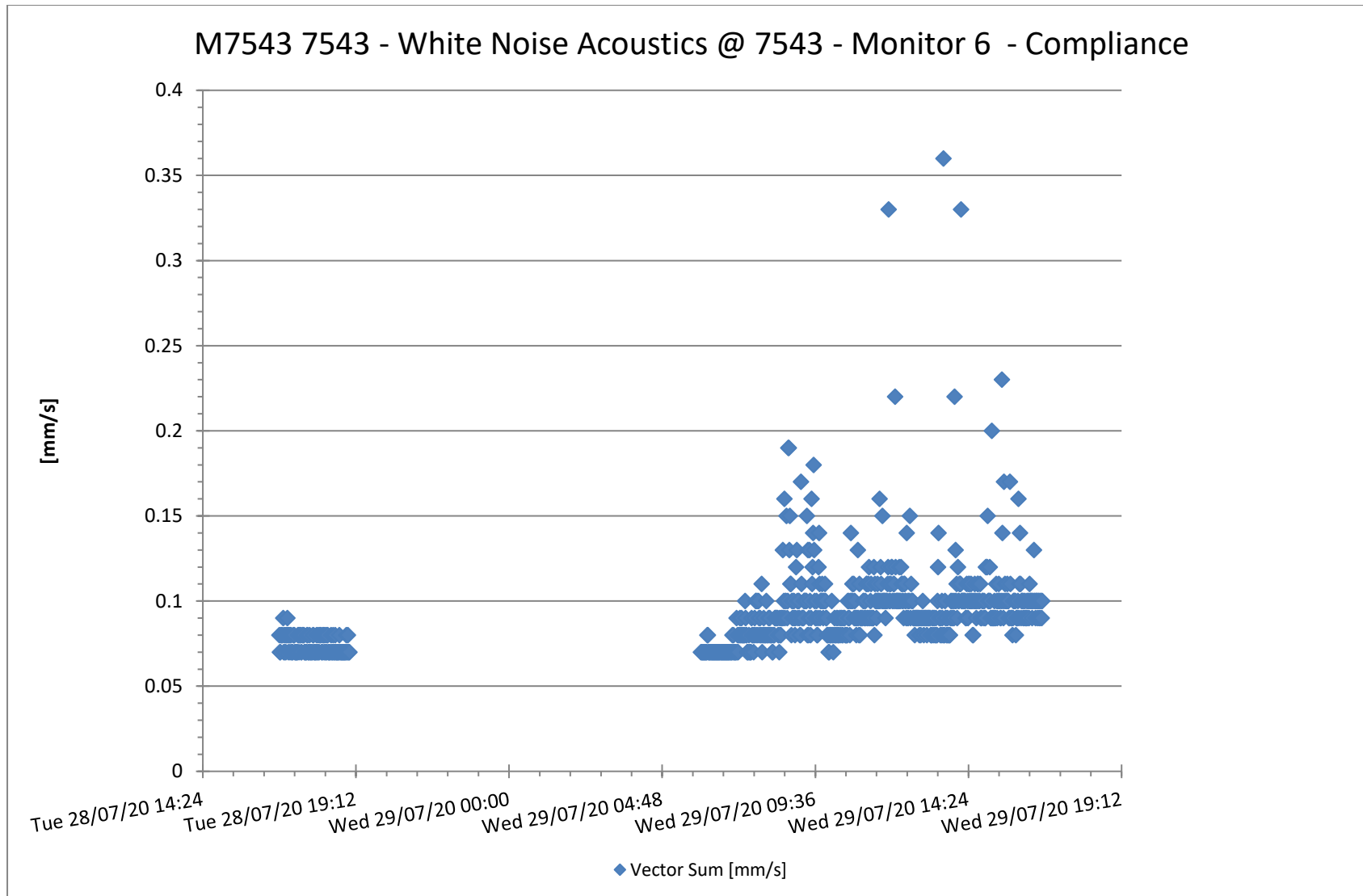
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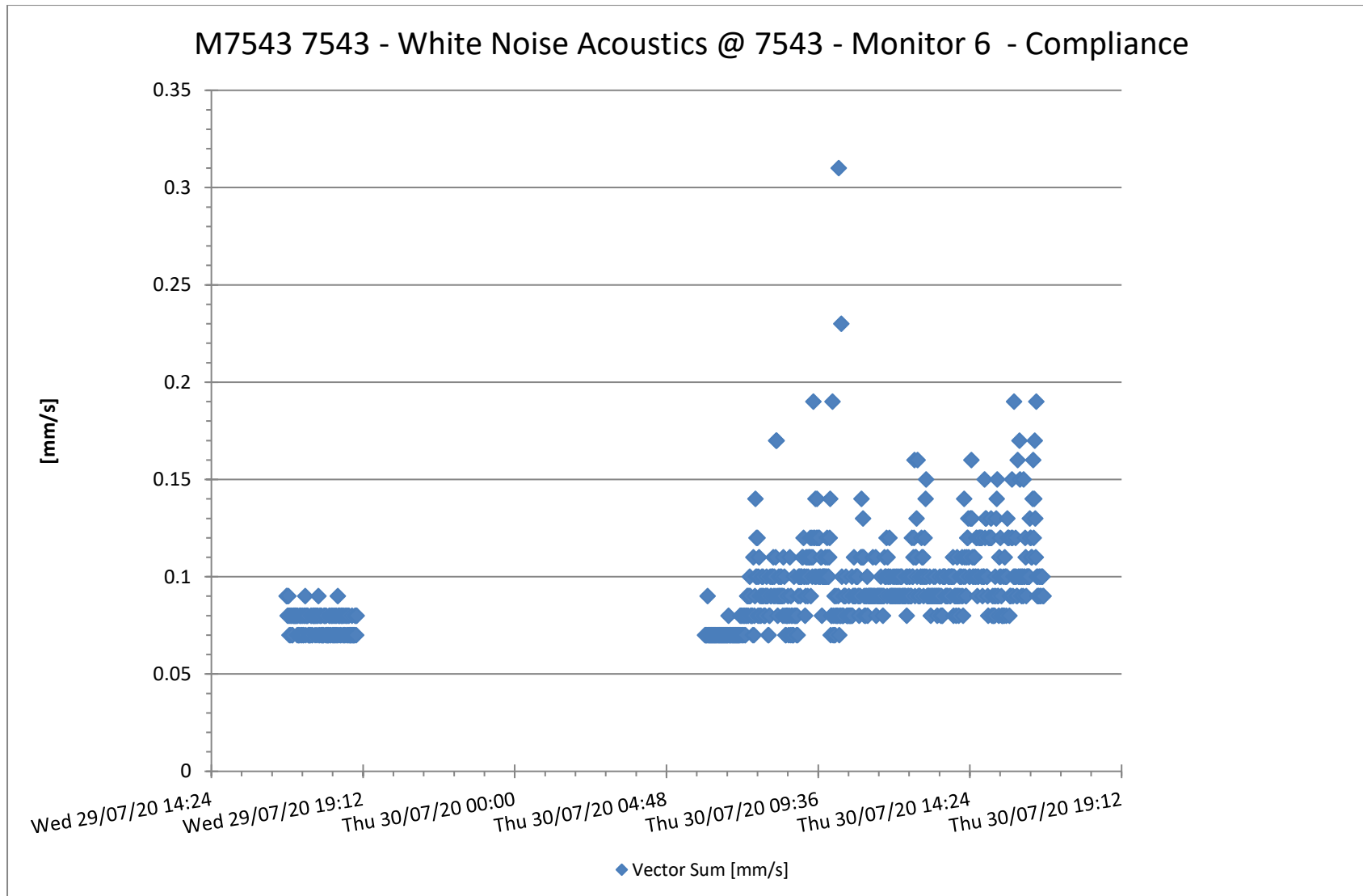
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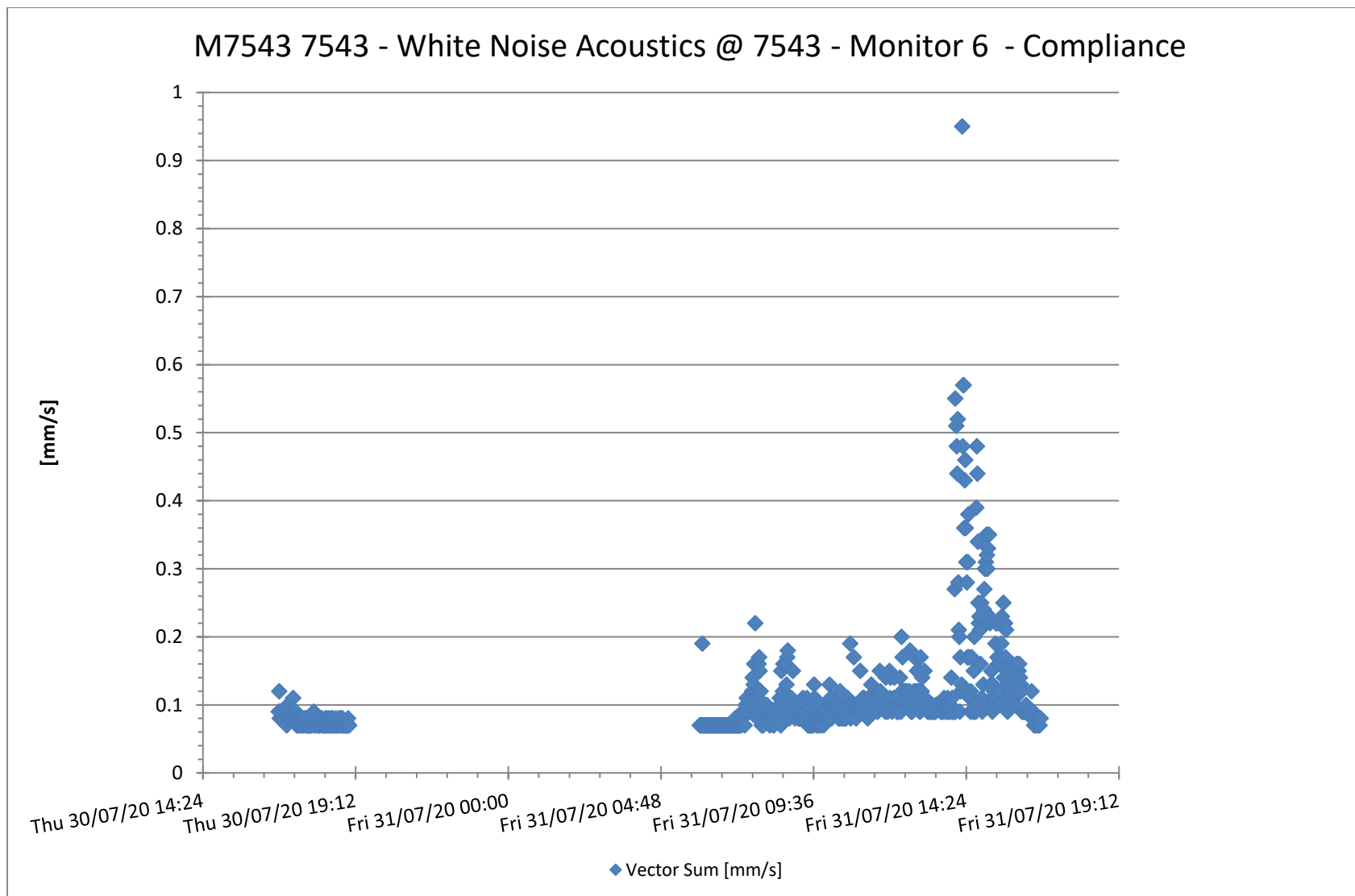
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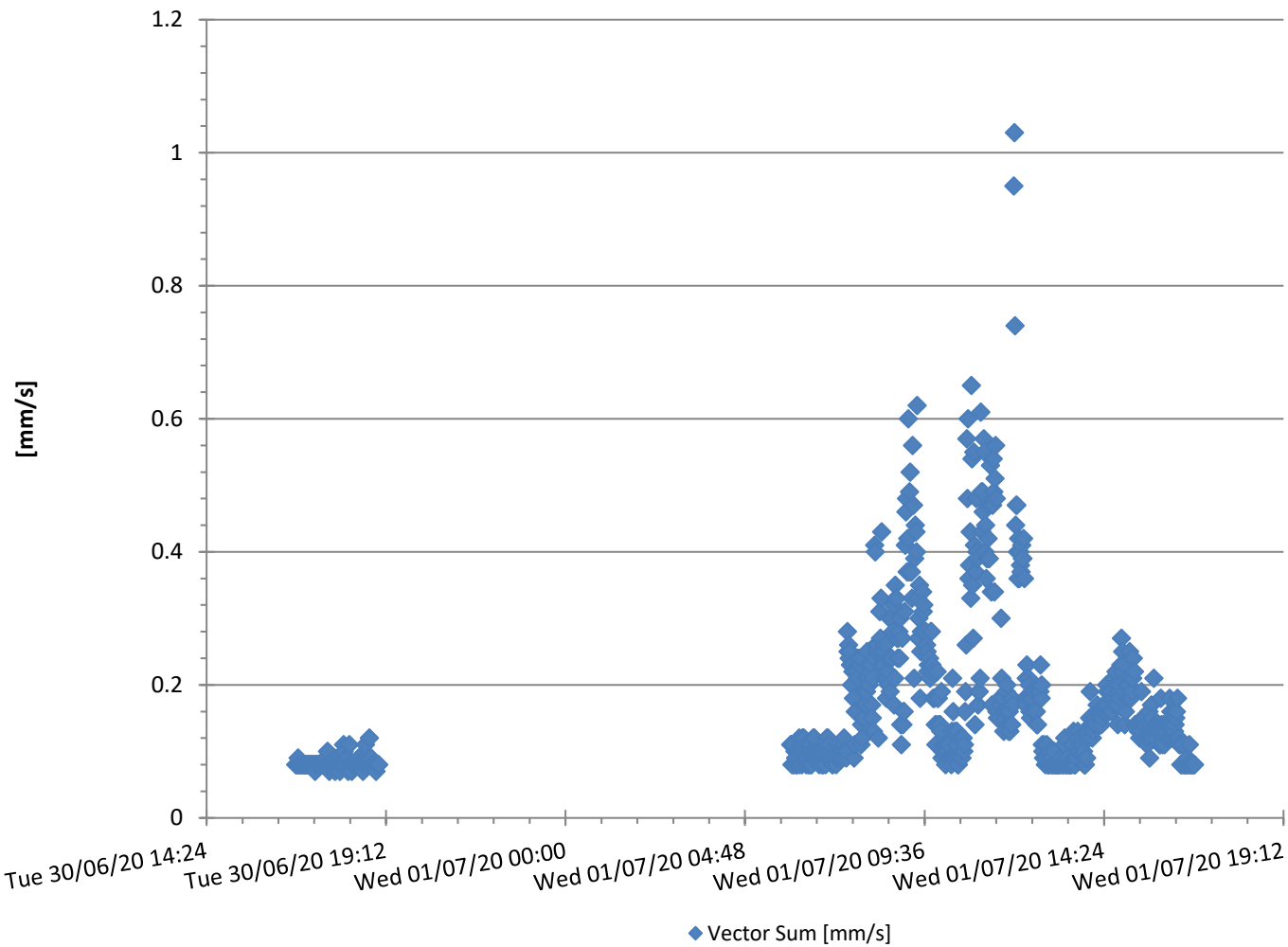


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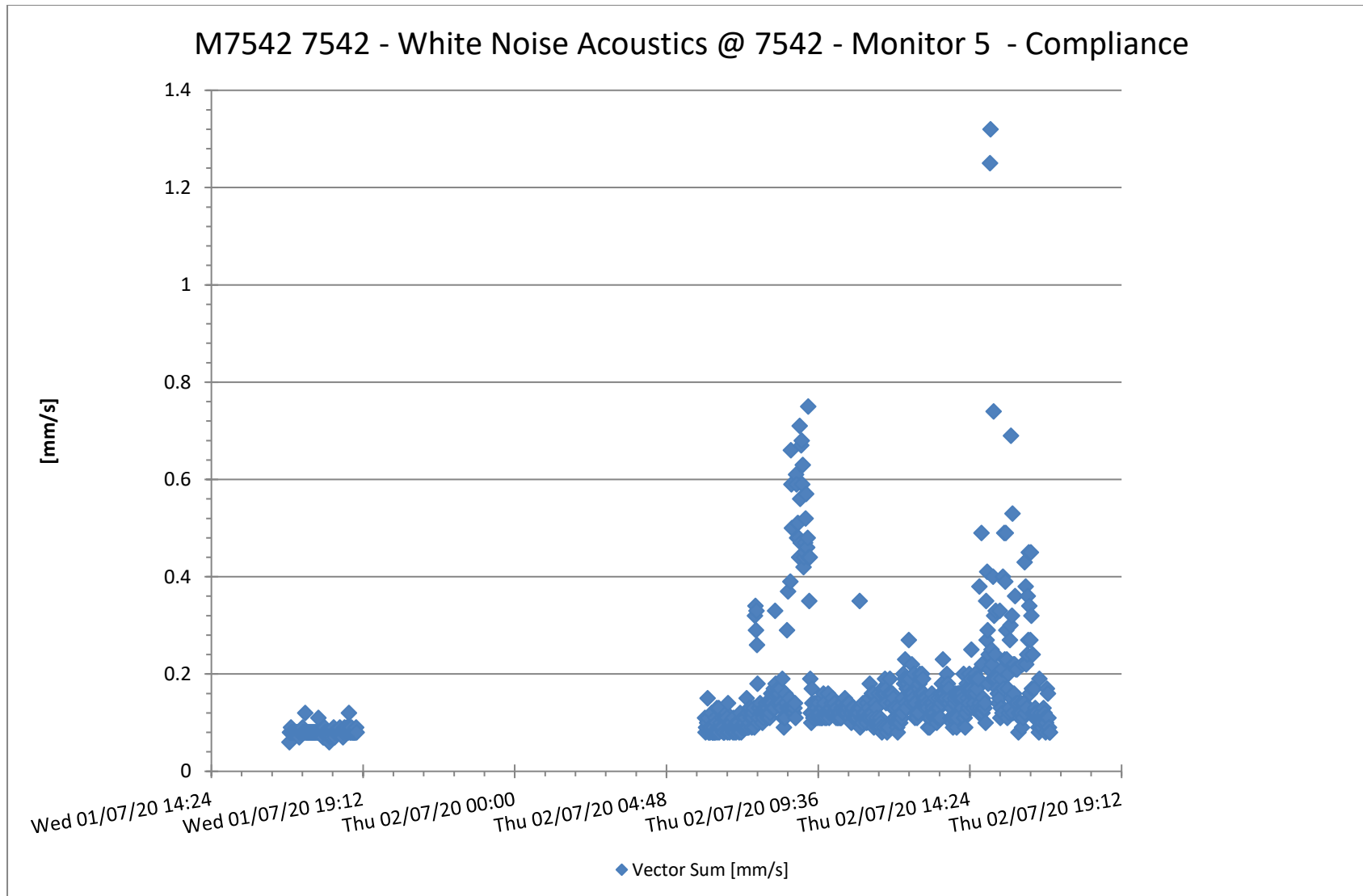


9 Appendix C –Logger Location 2 – Monitor M7542

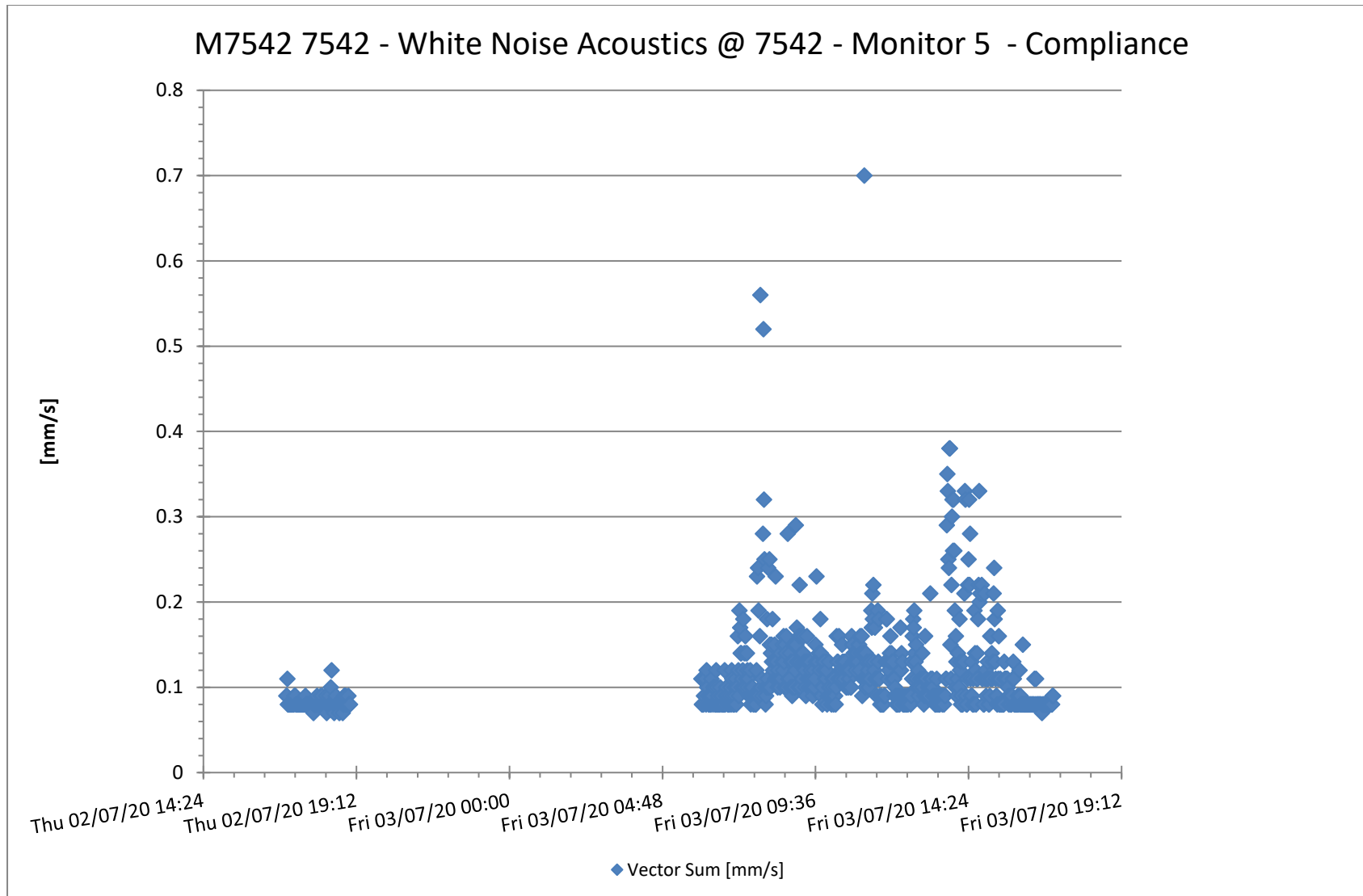
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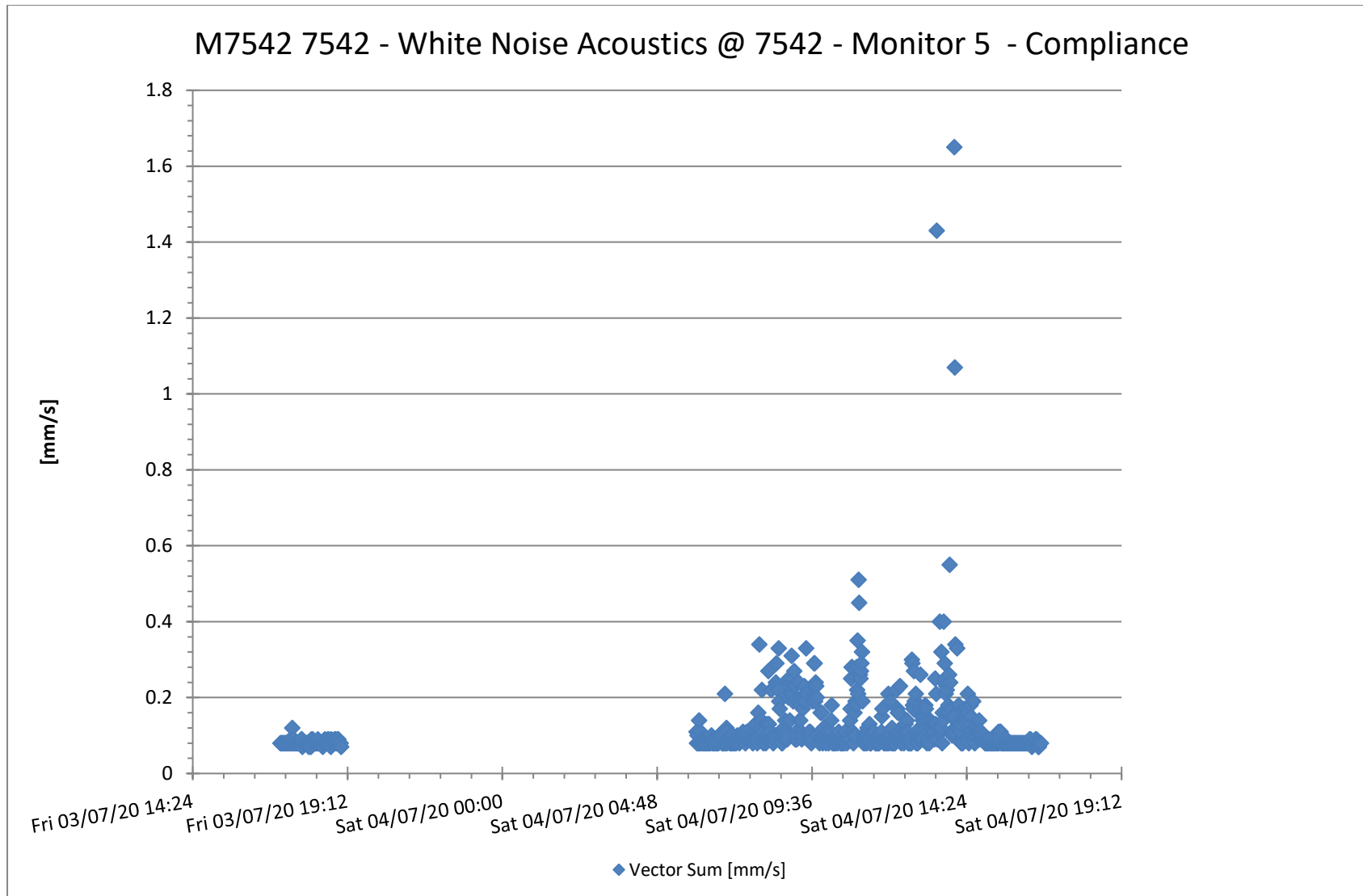
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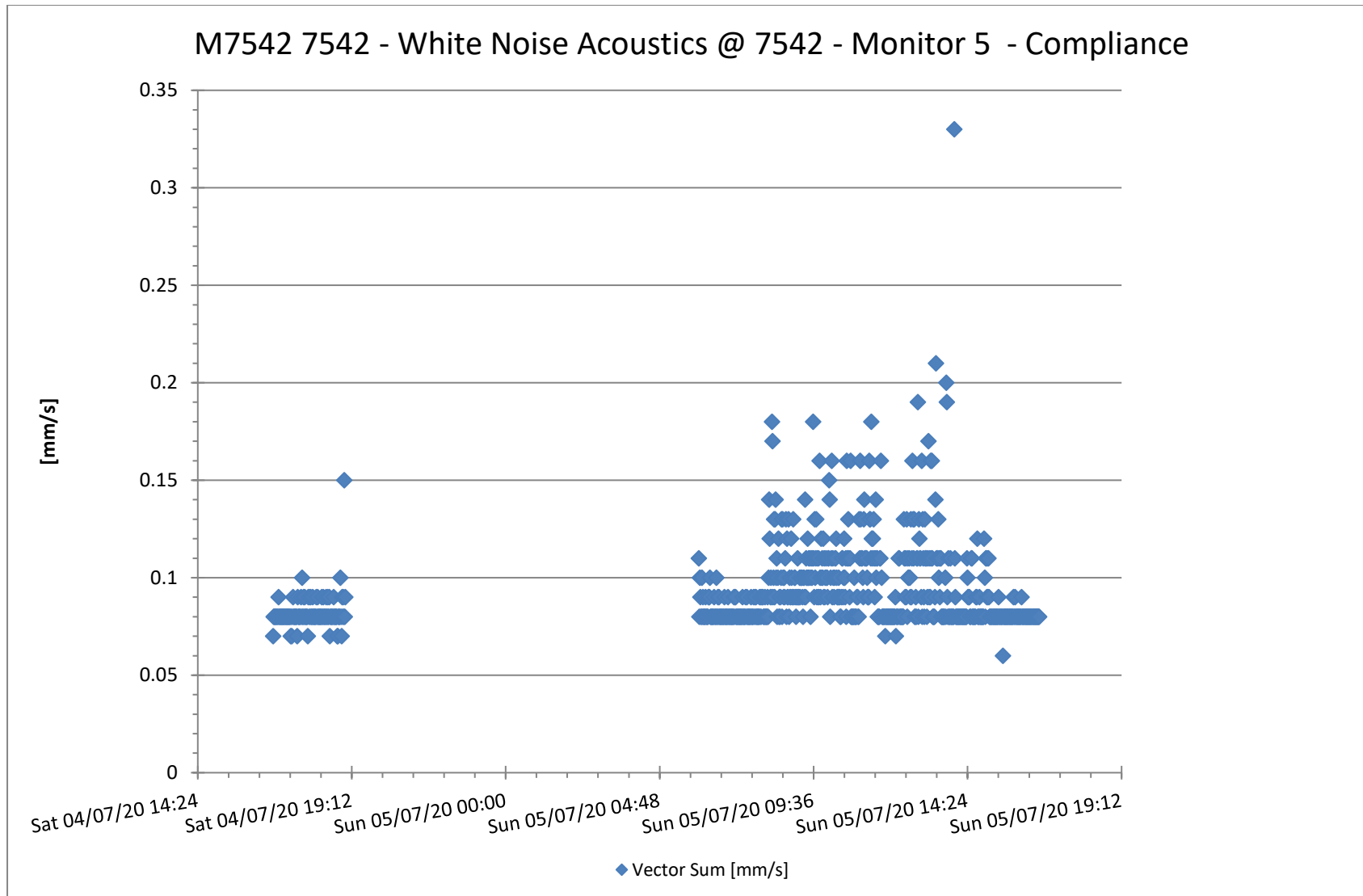
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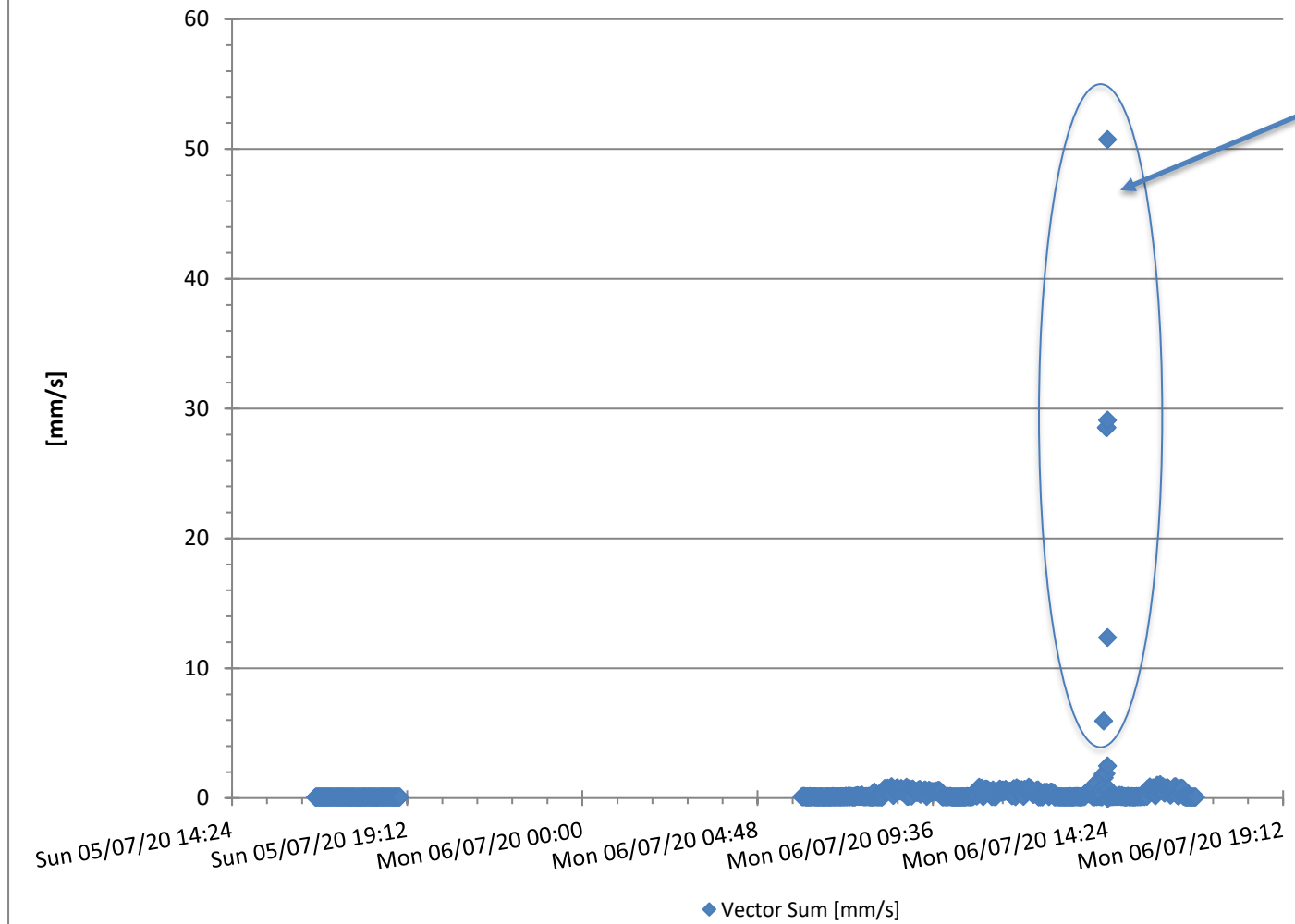
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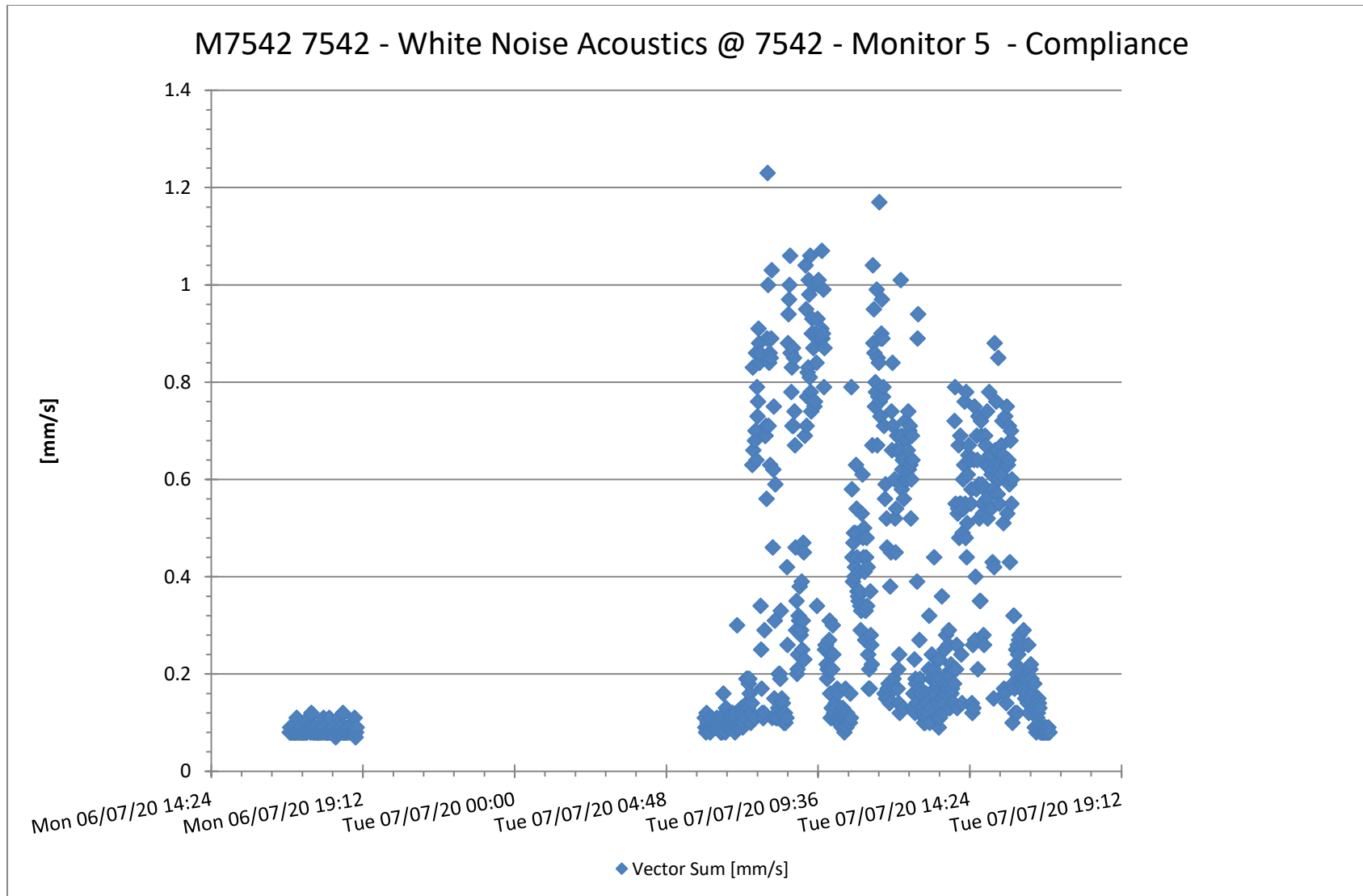


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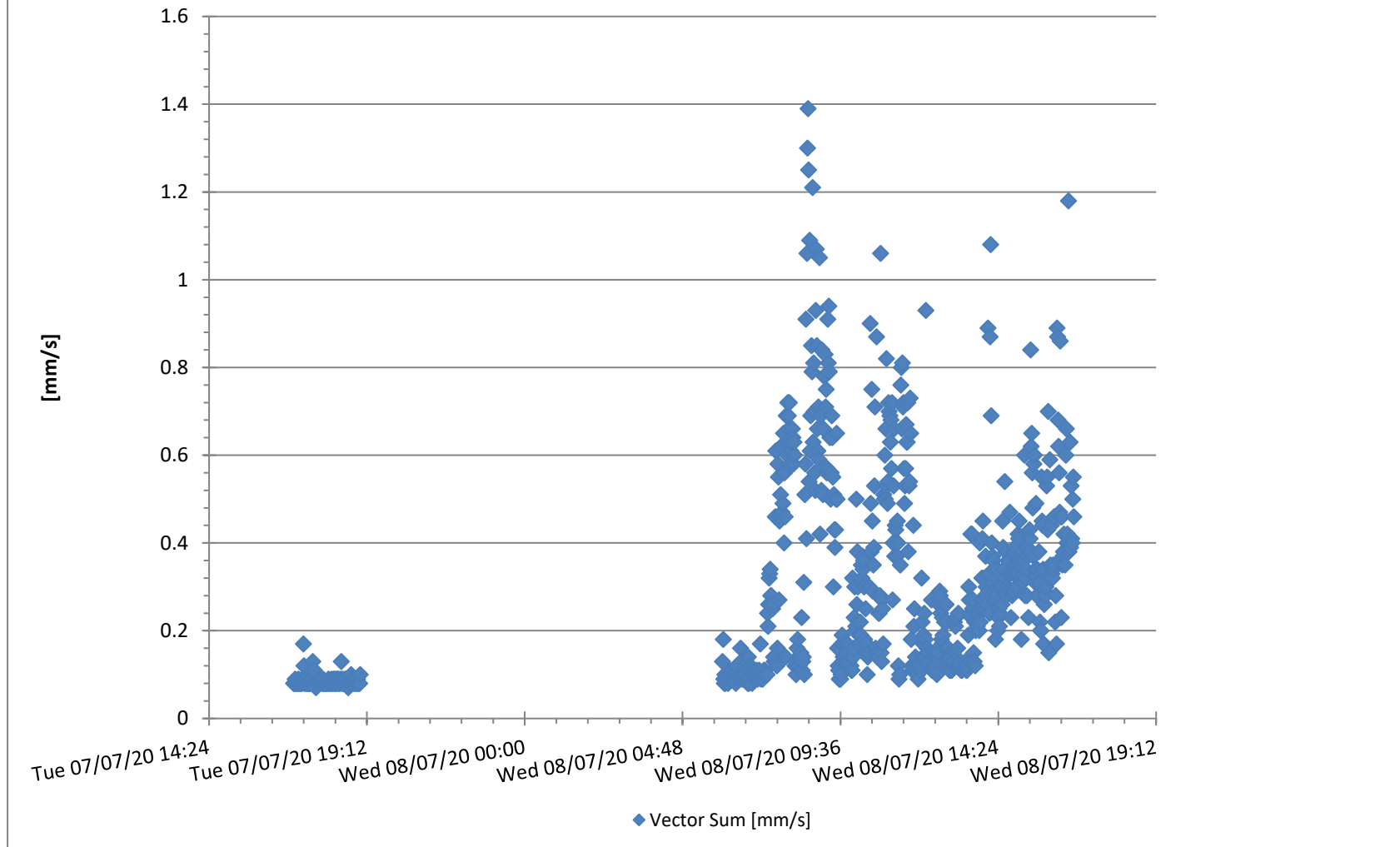


Movement of the geophone not associated with construction works.

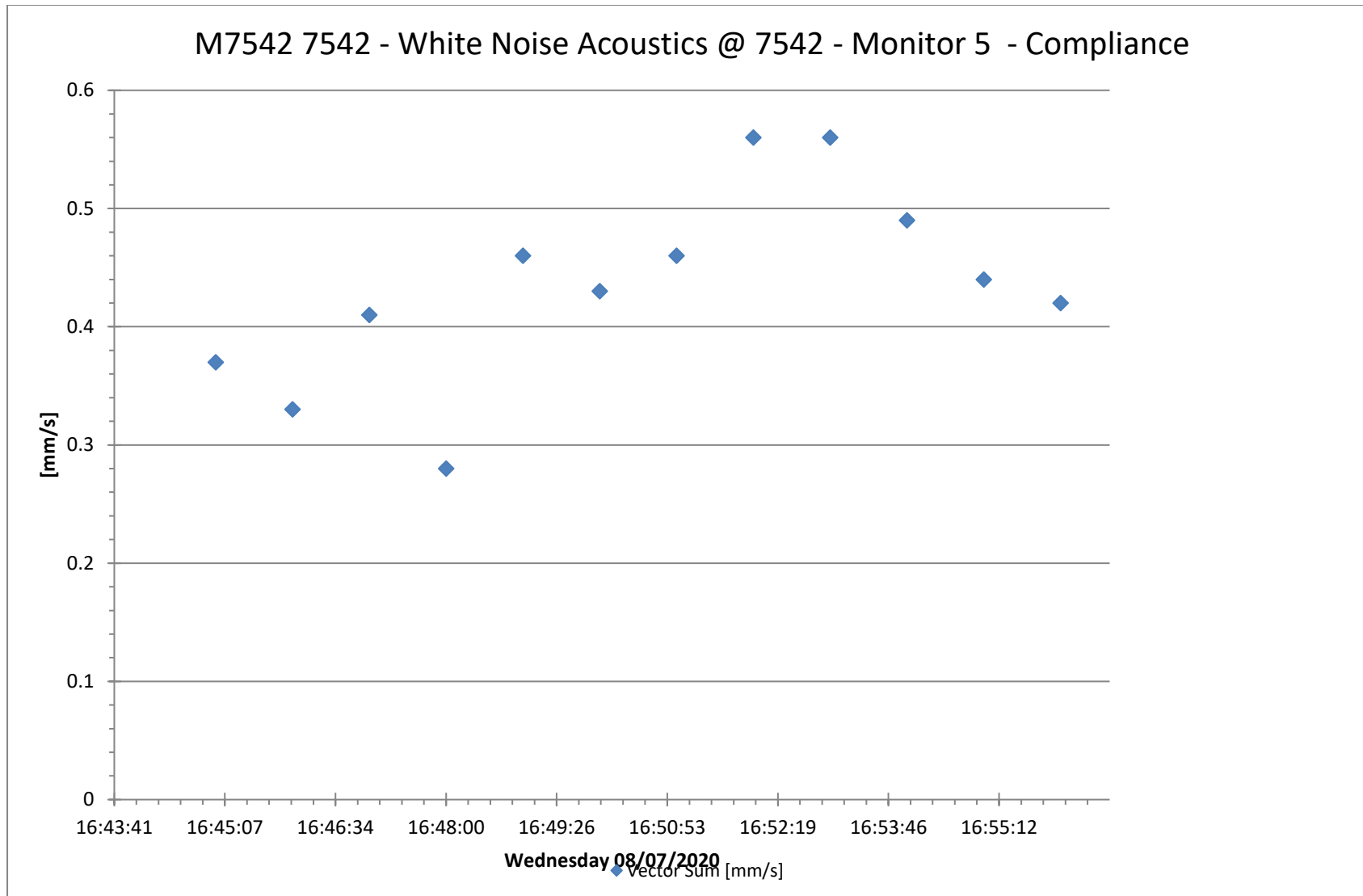
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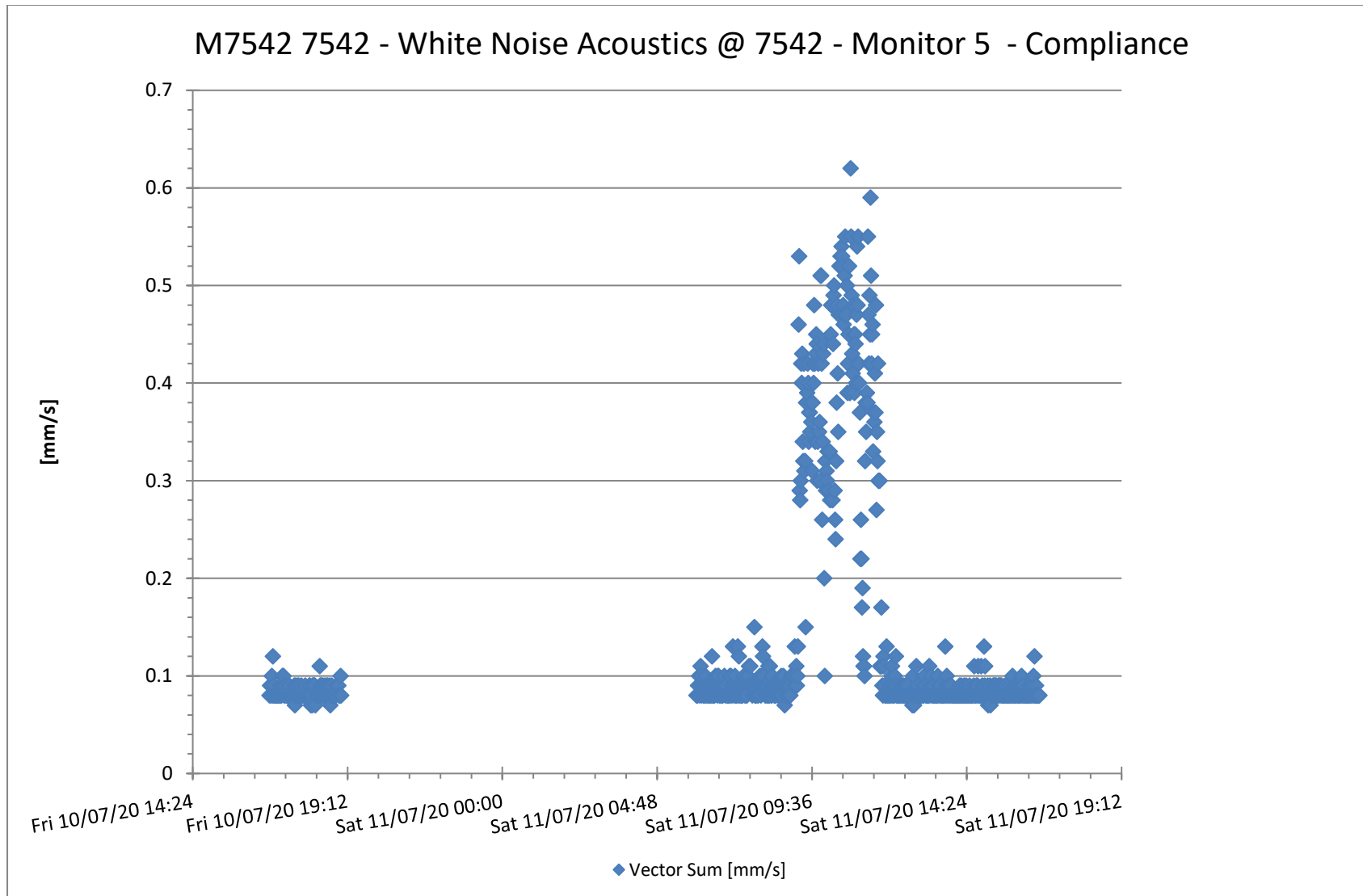
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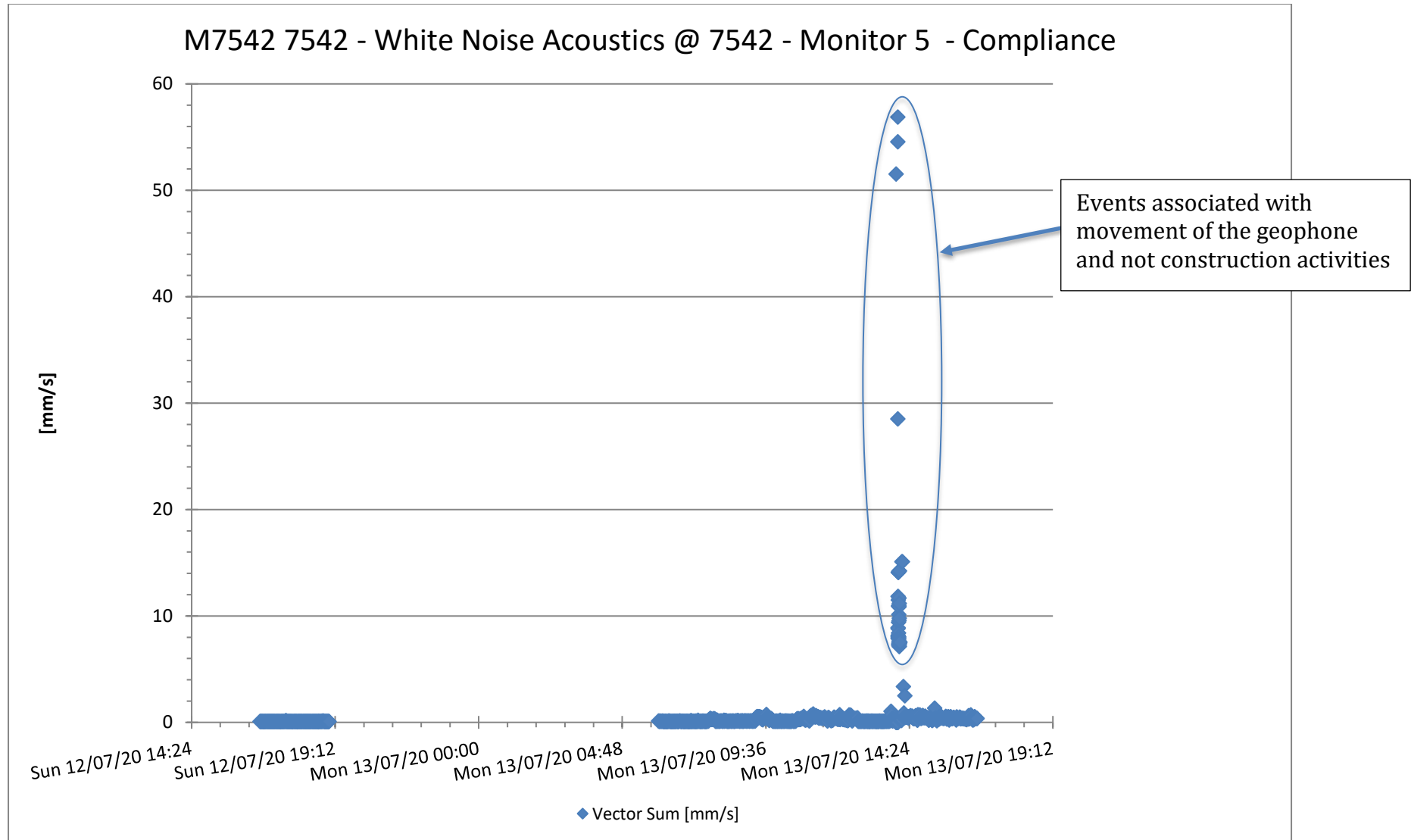
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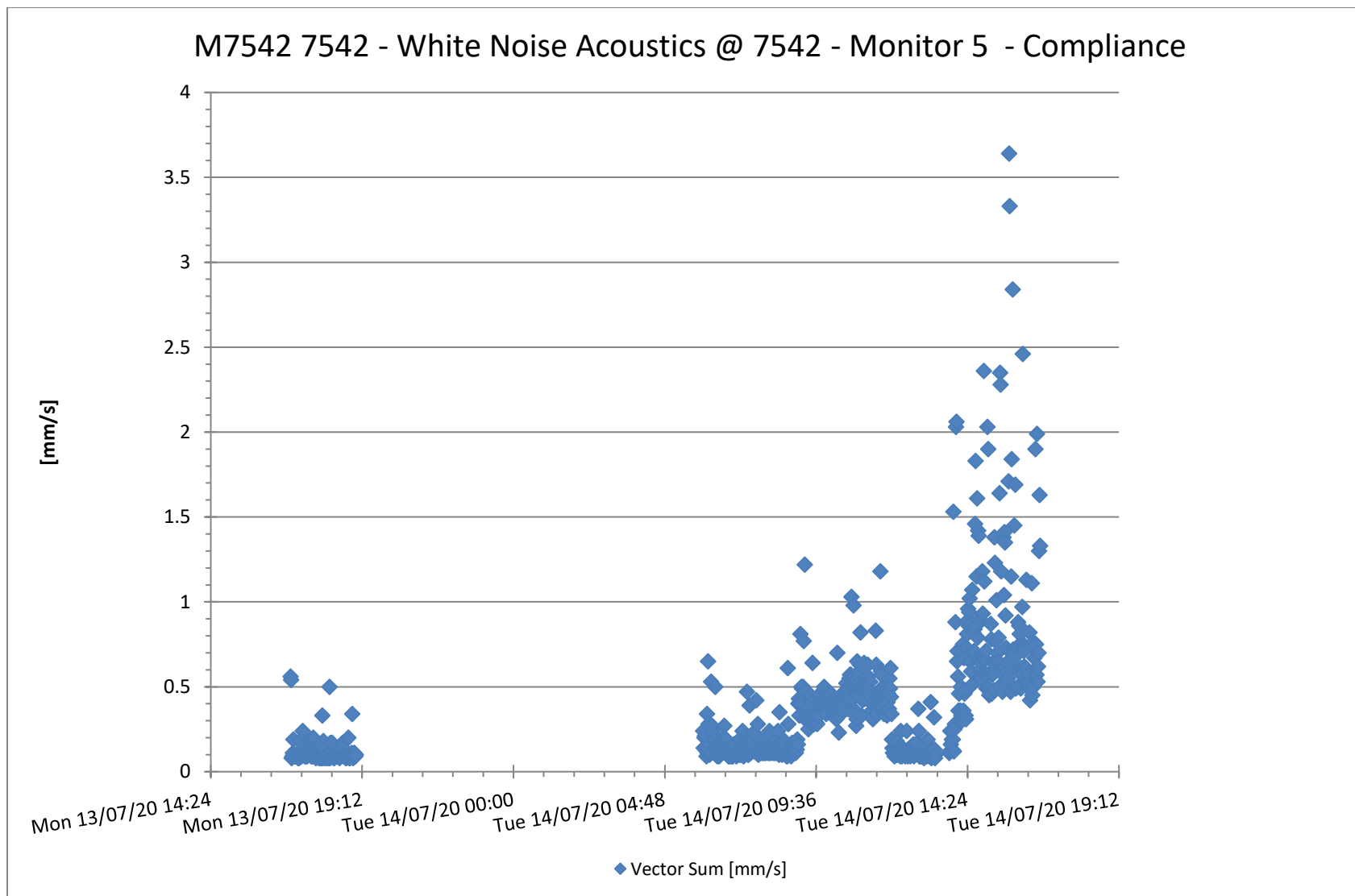
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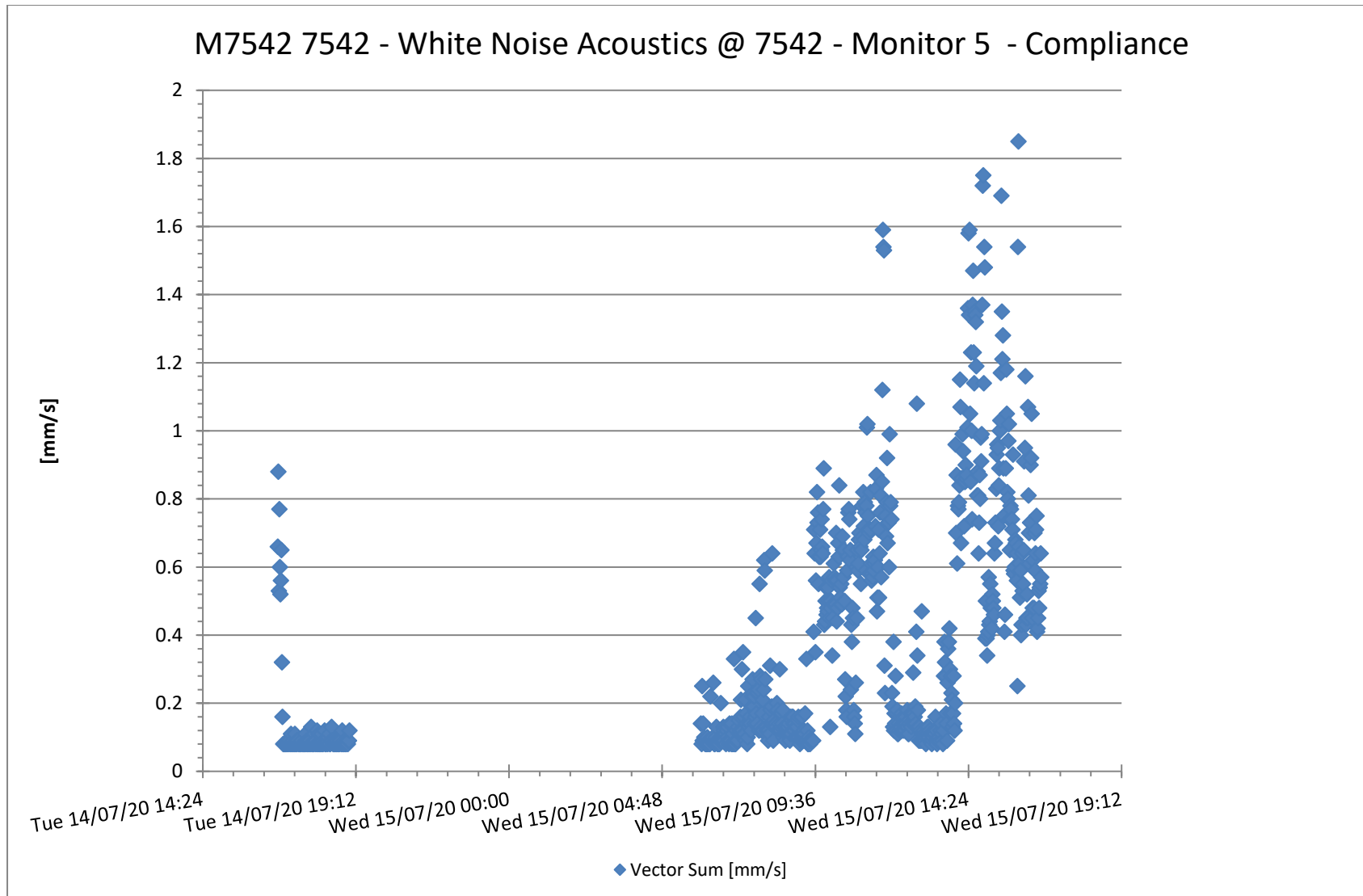
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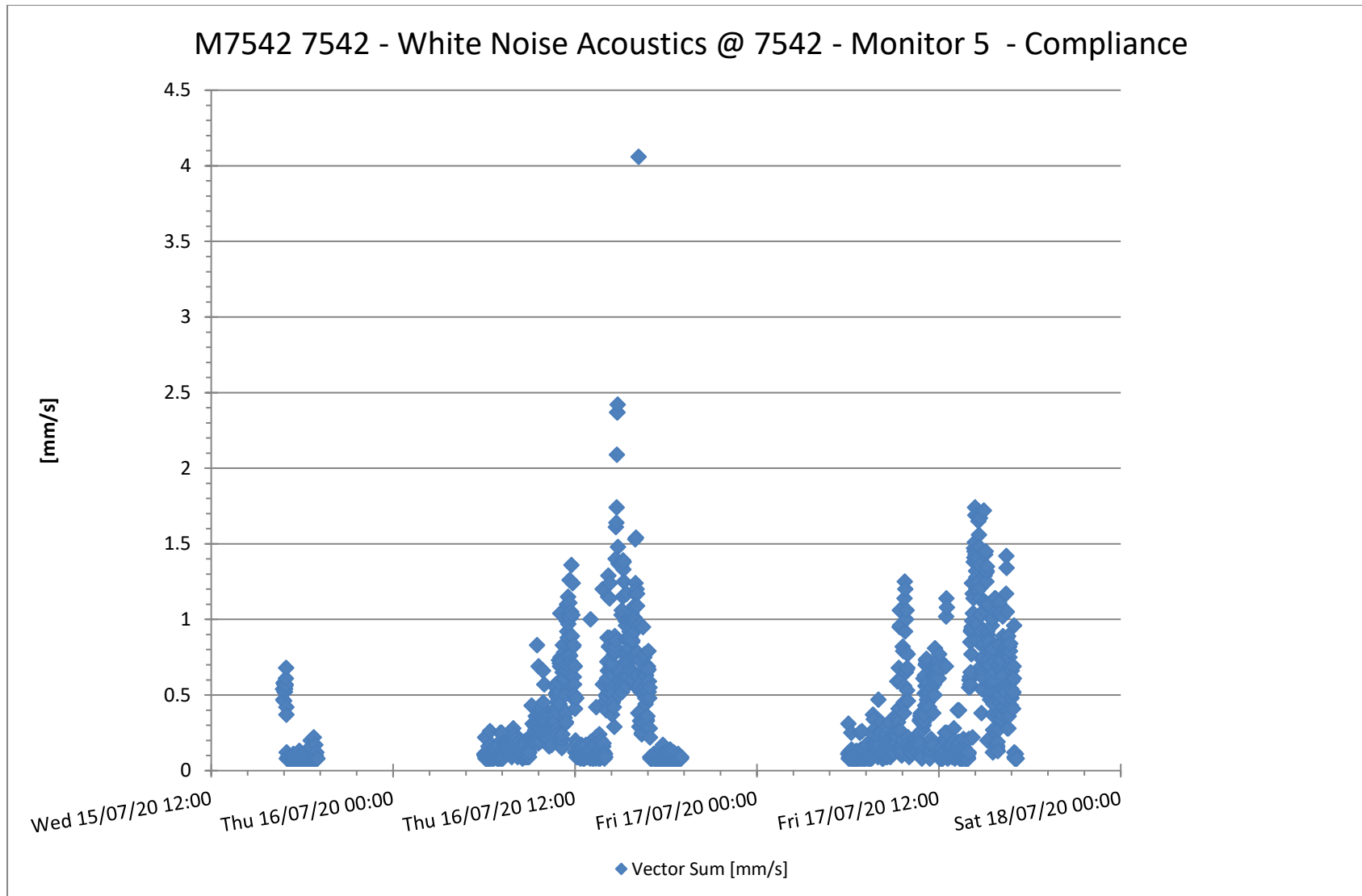


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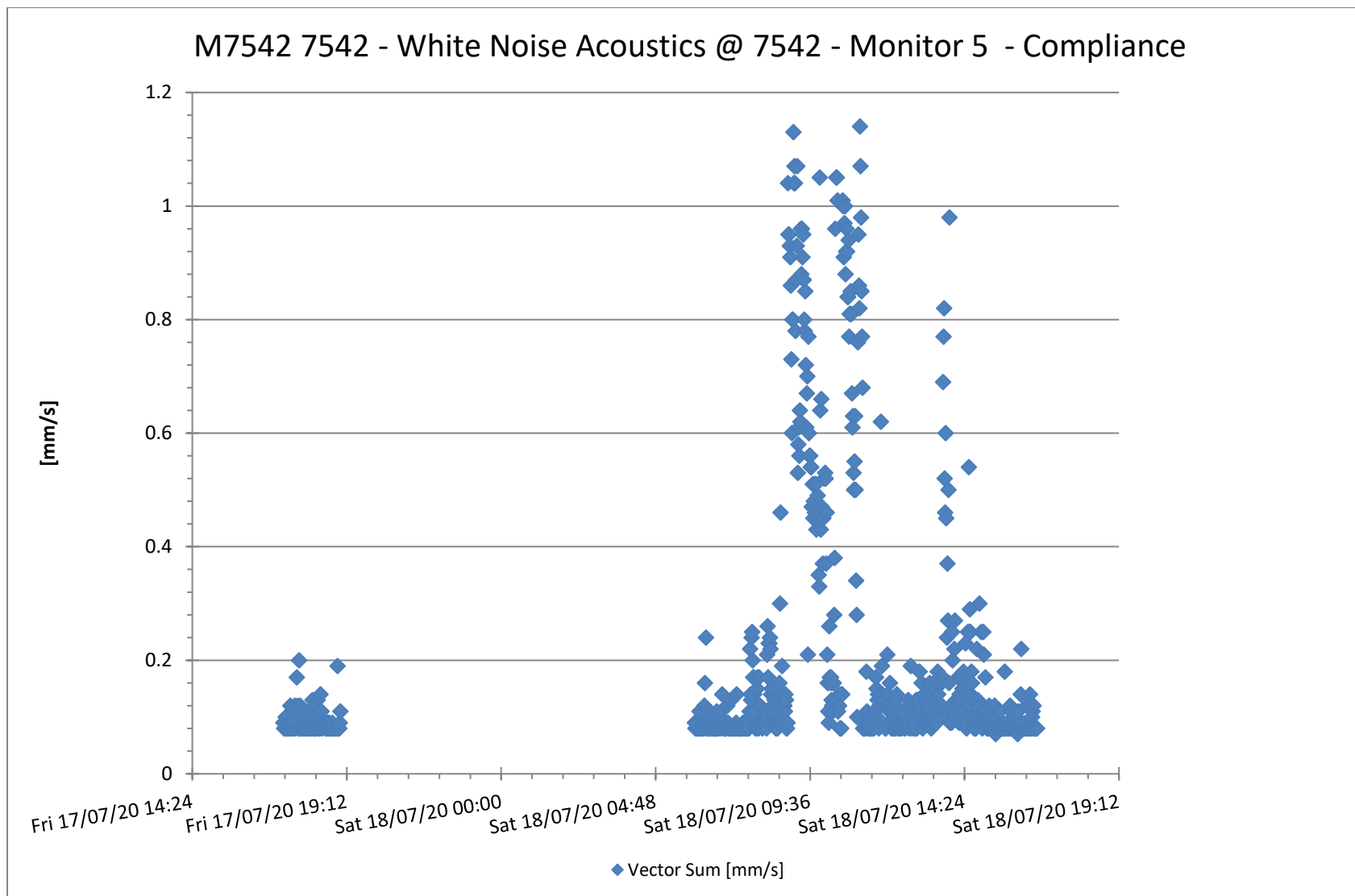


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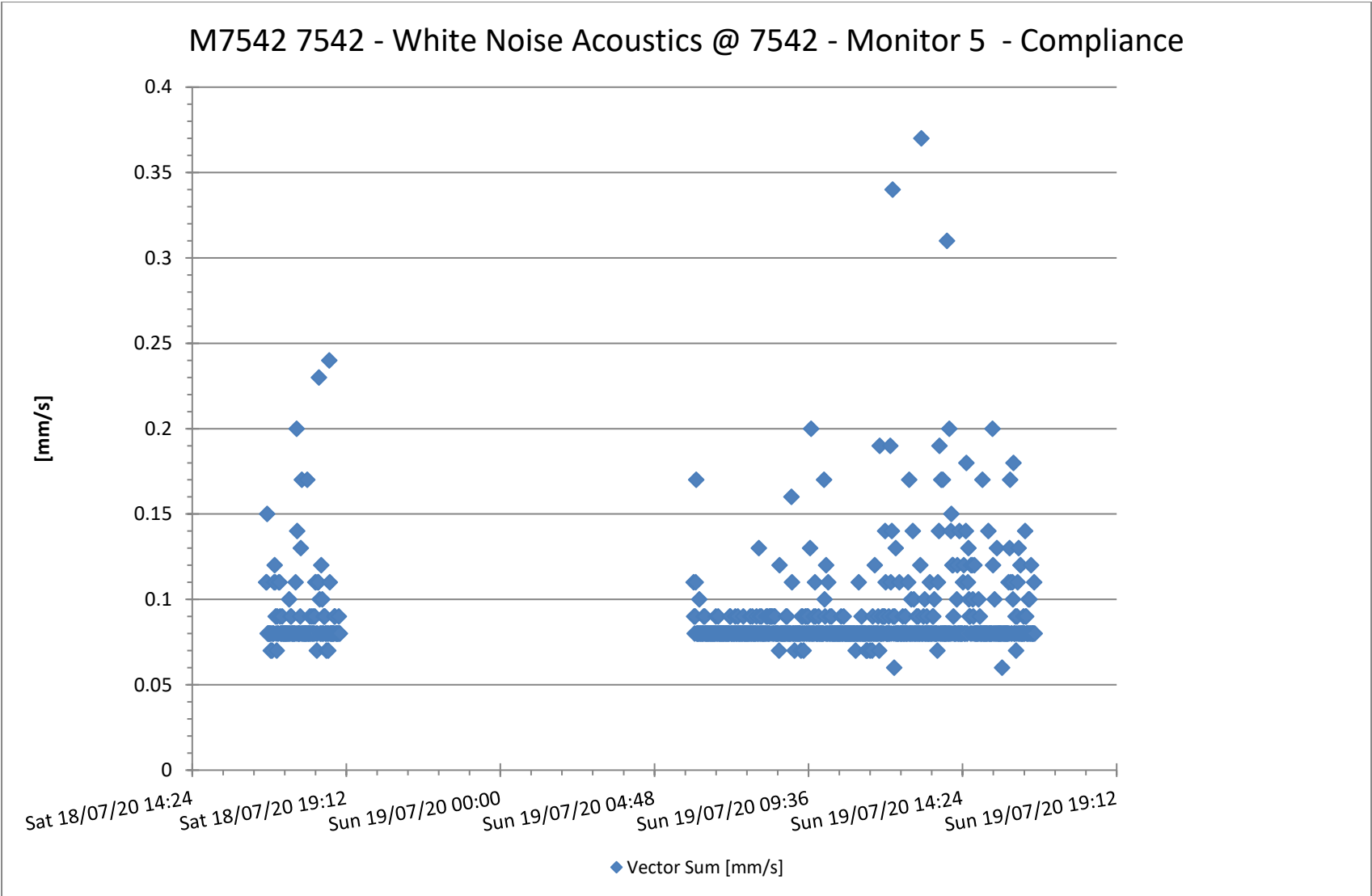




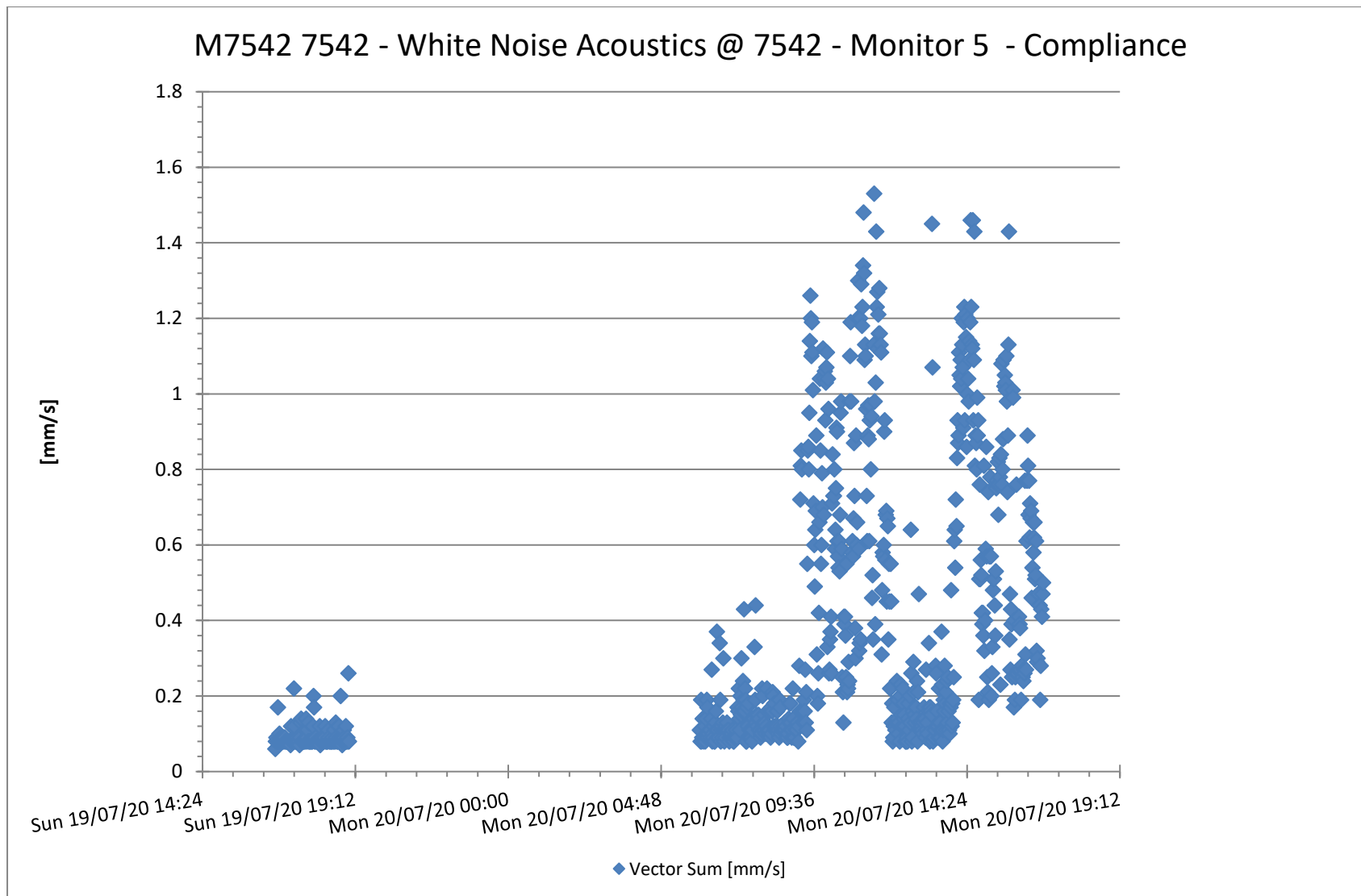
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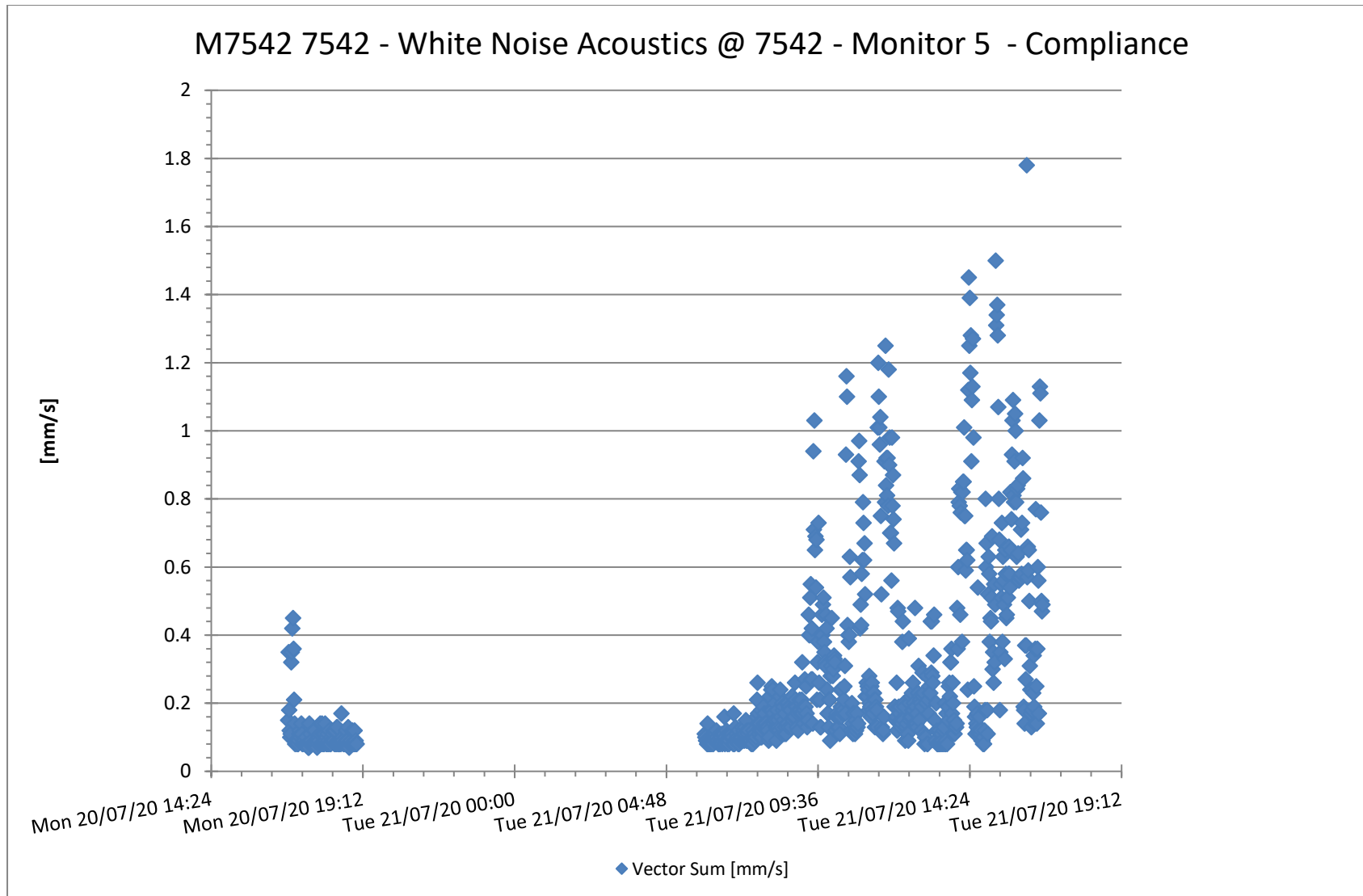
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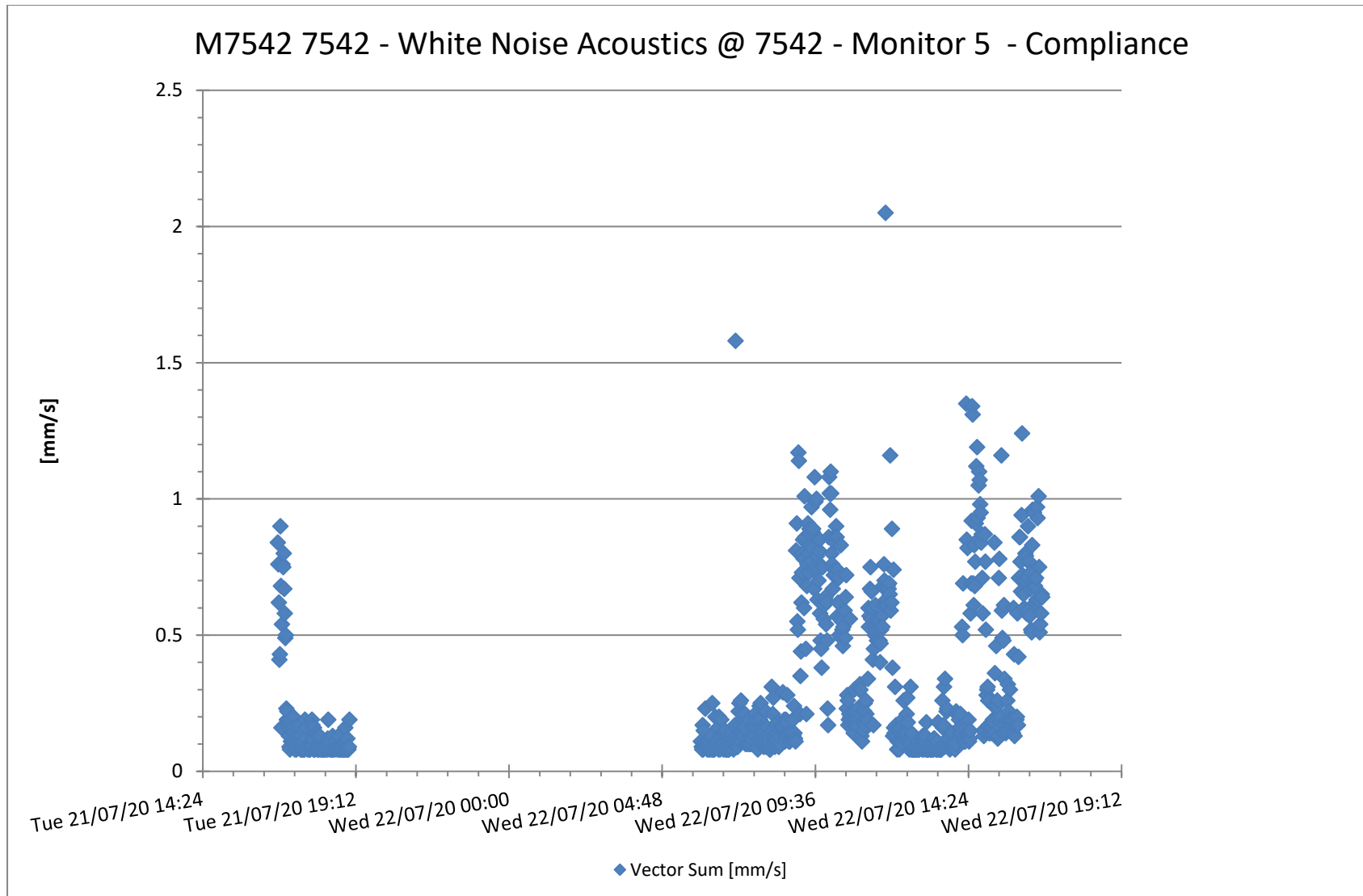
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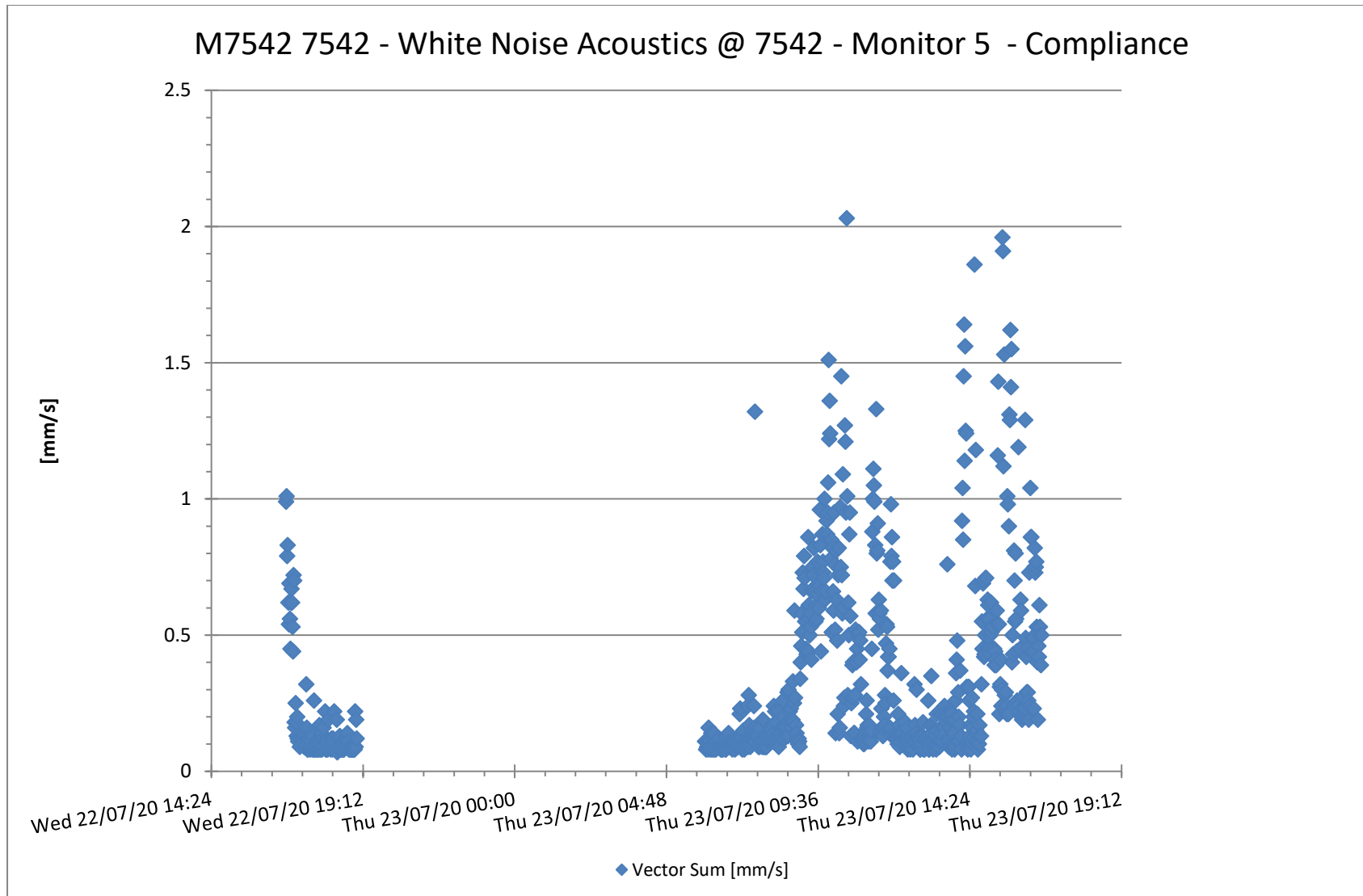
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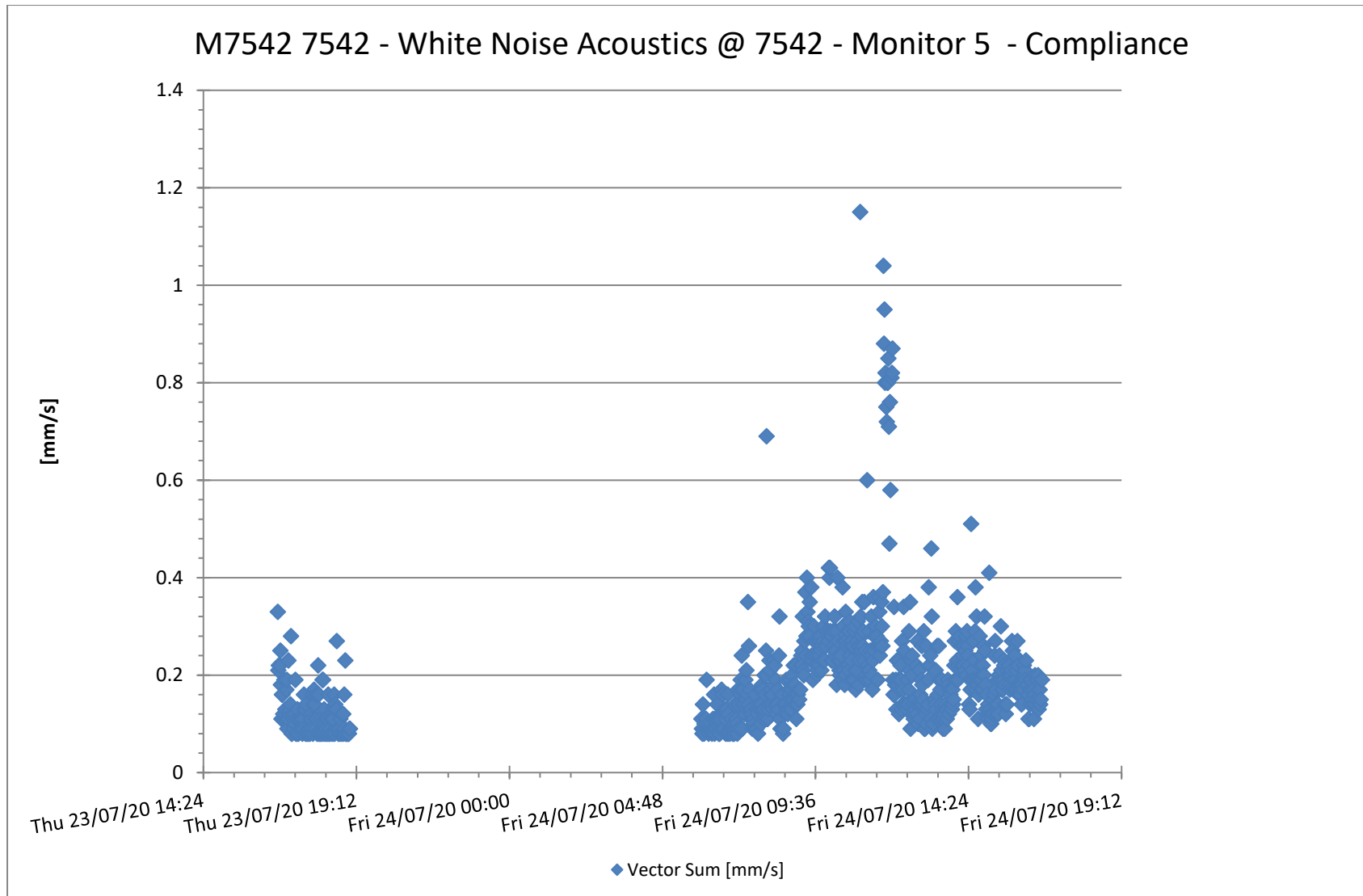
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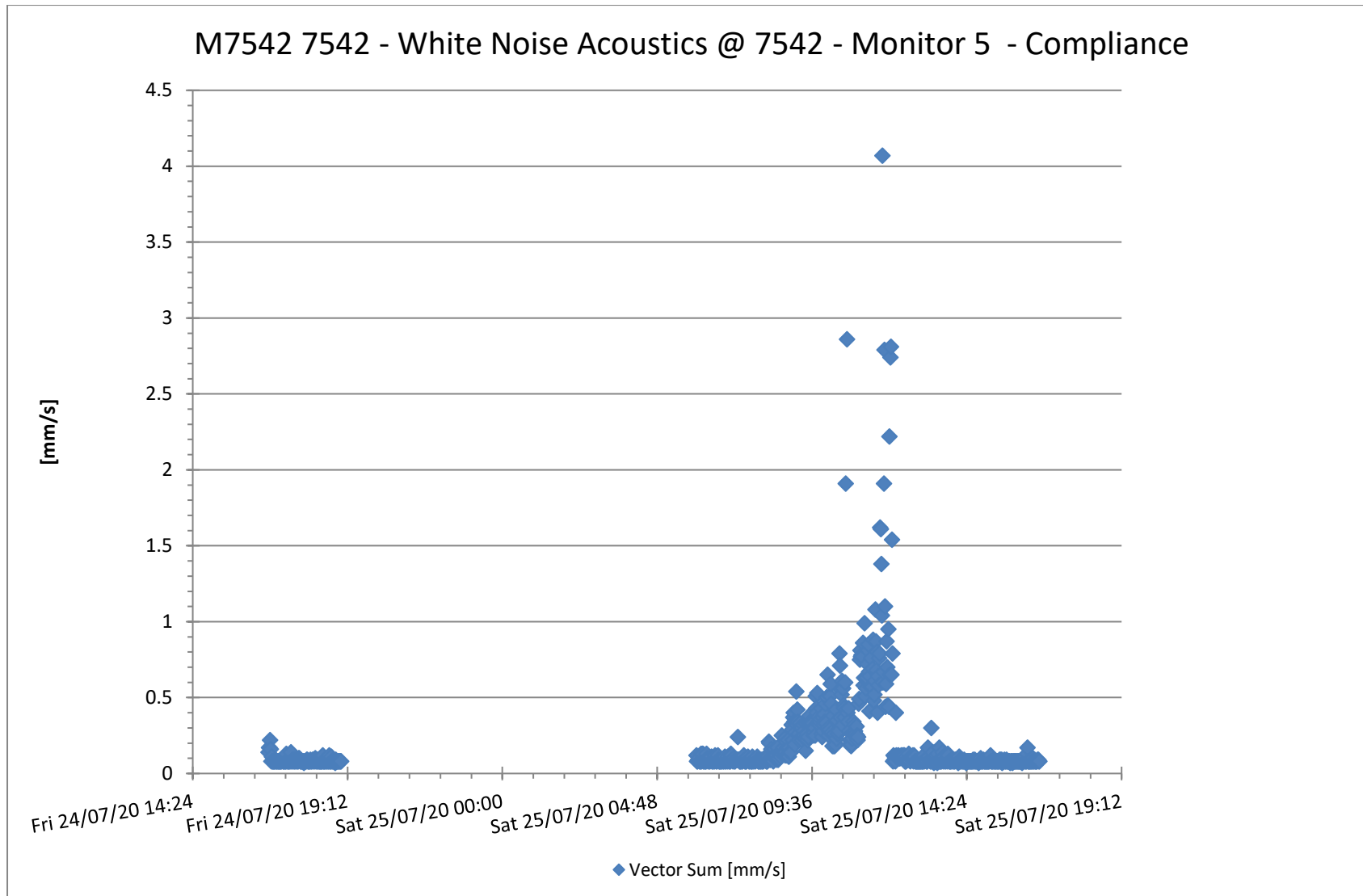
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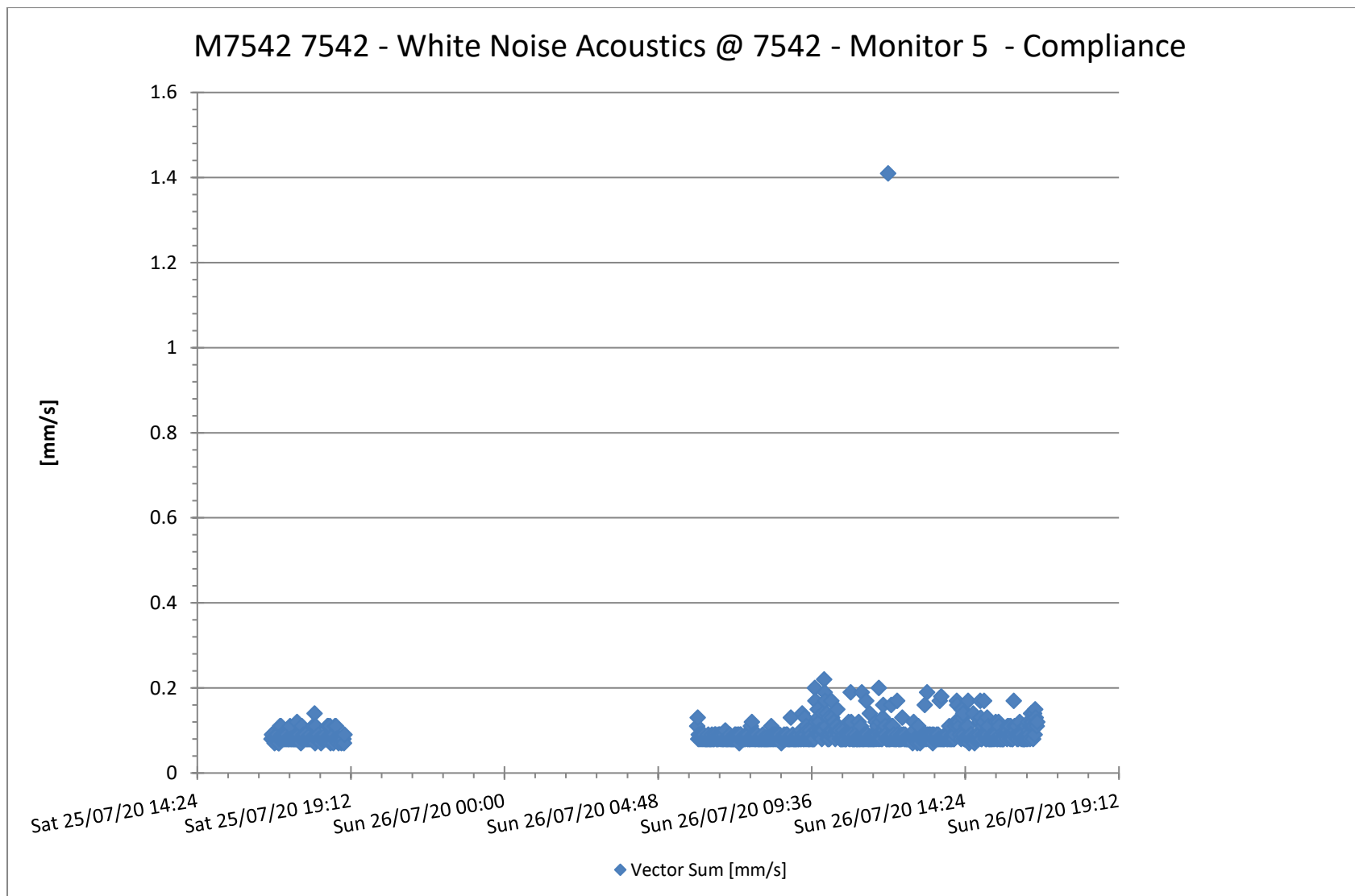
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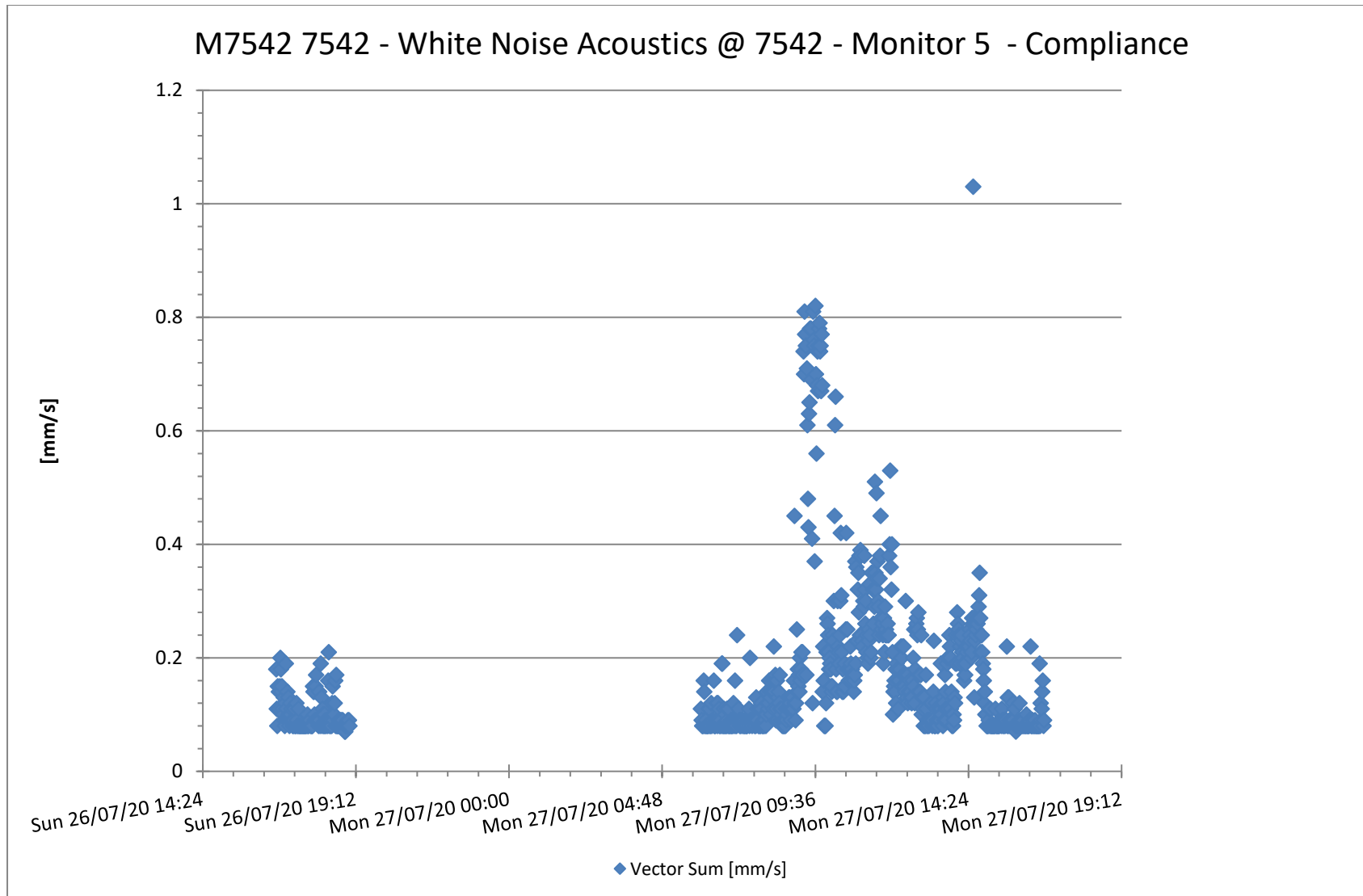
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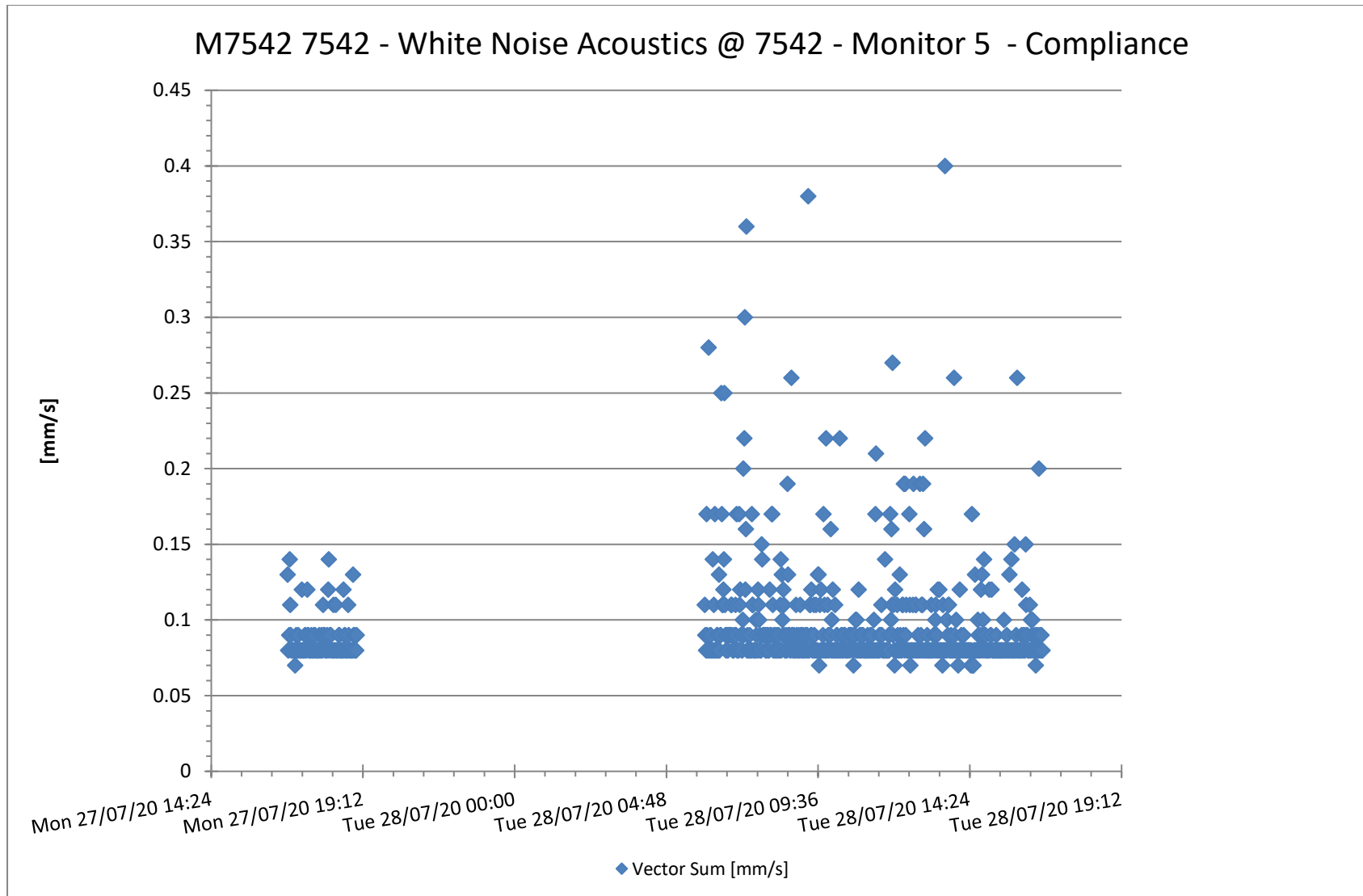
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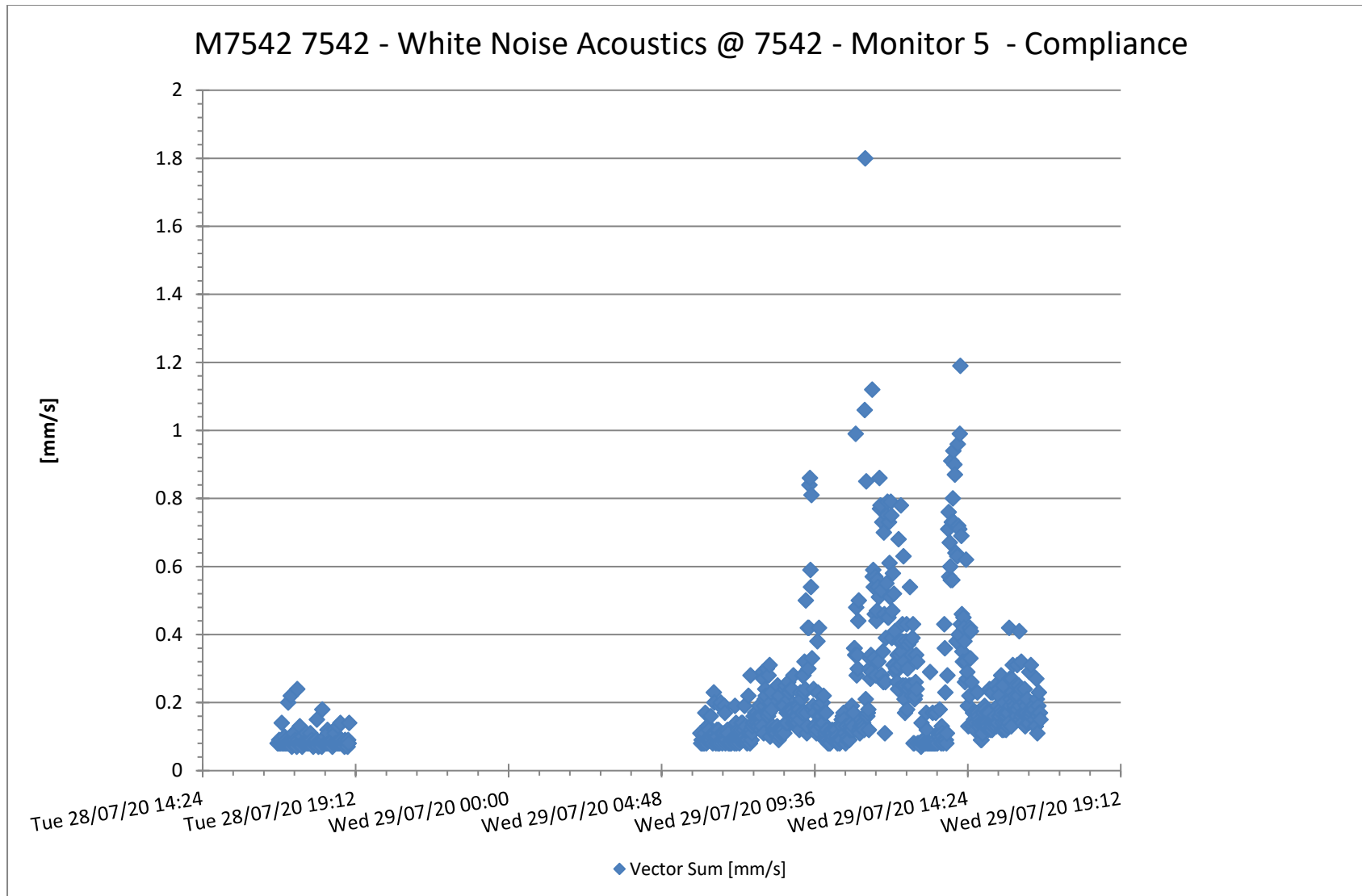
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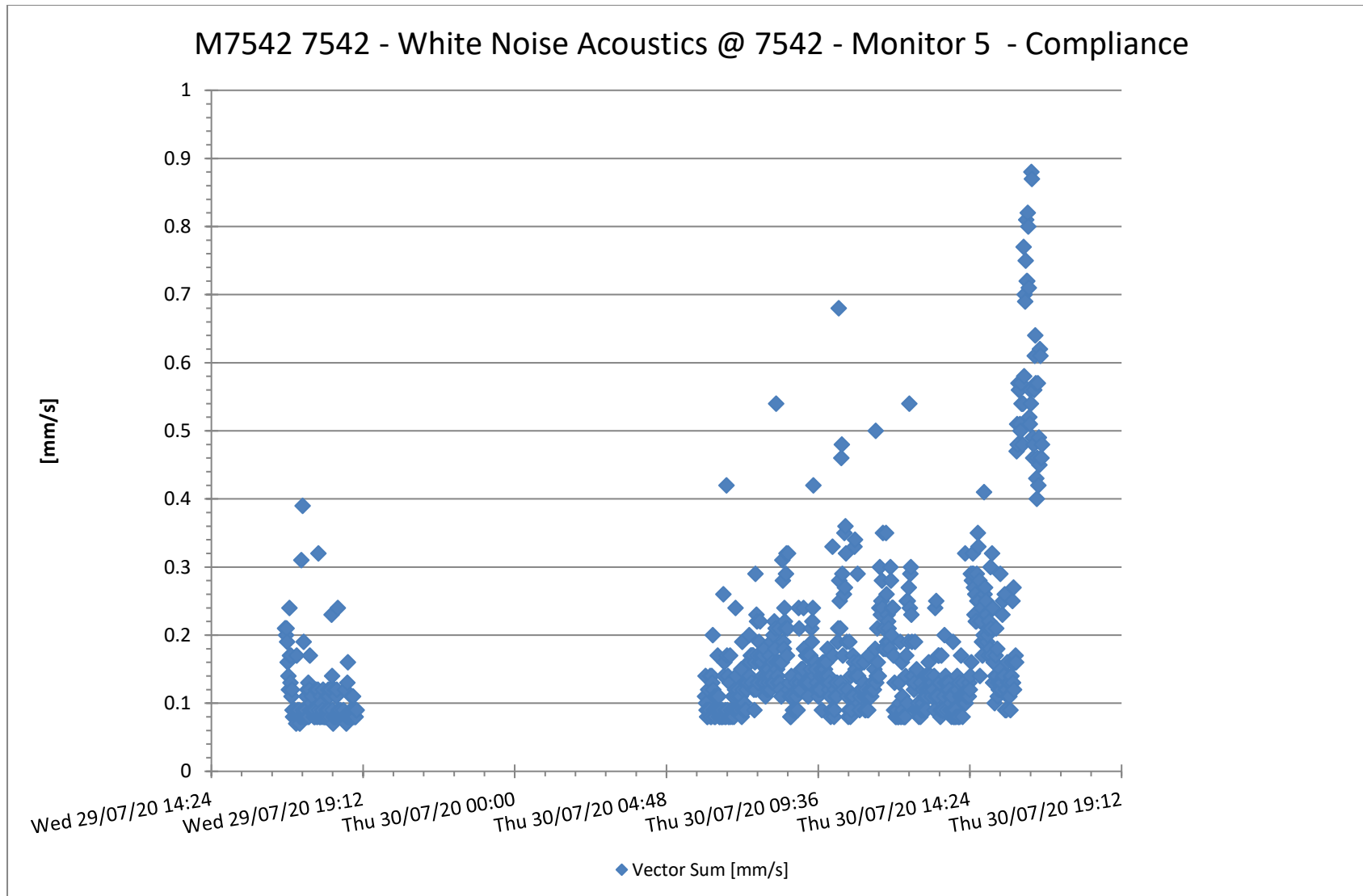
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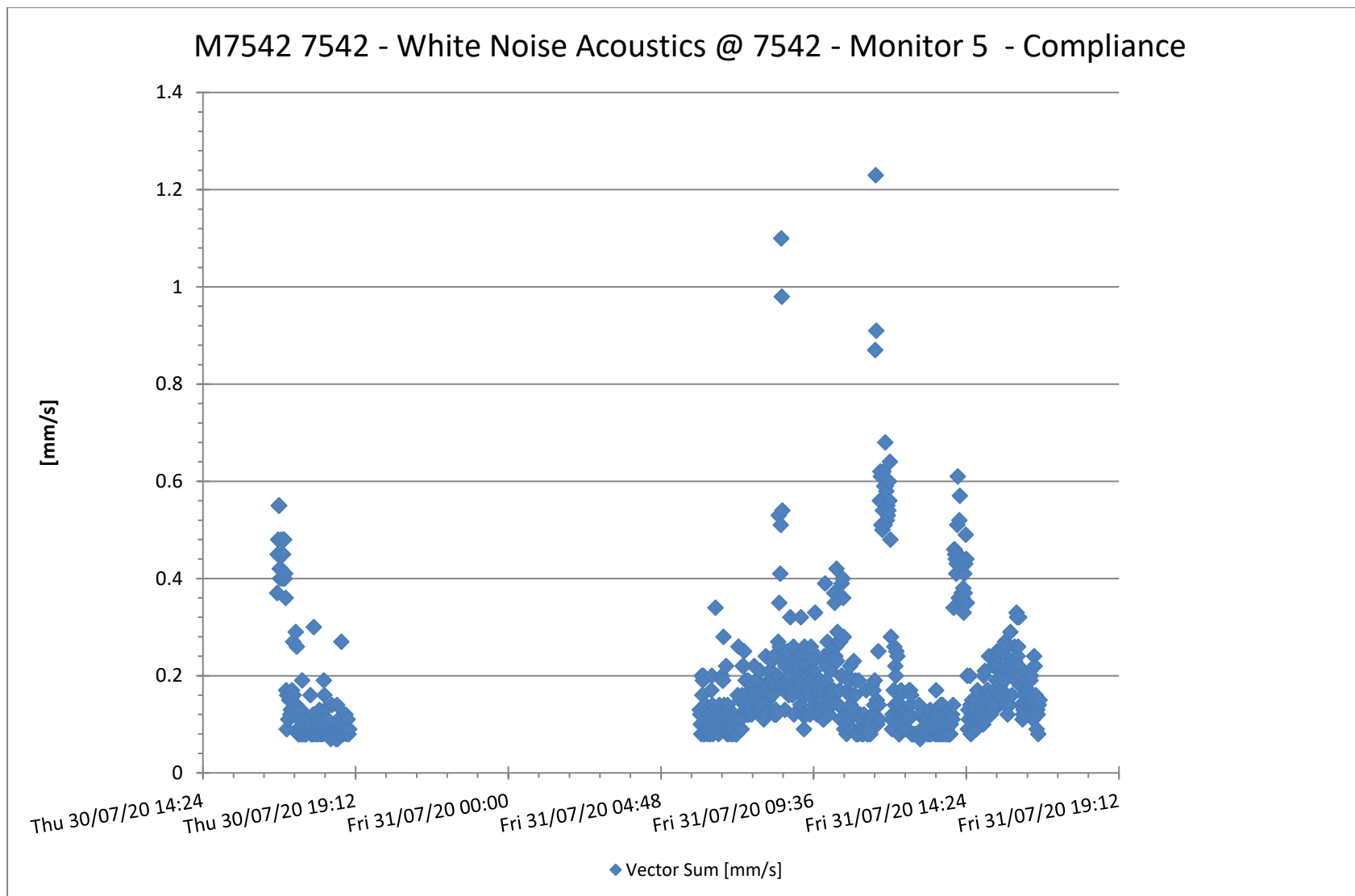
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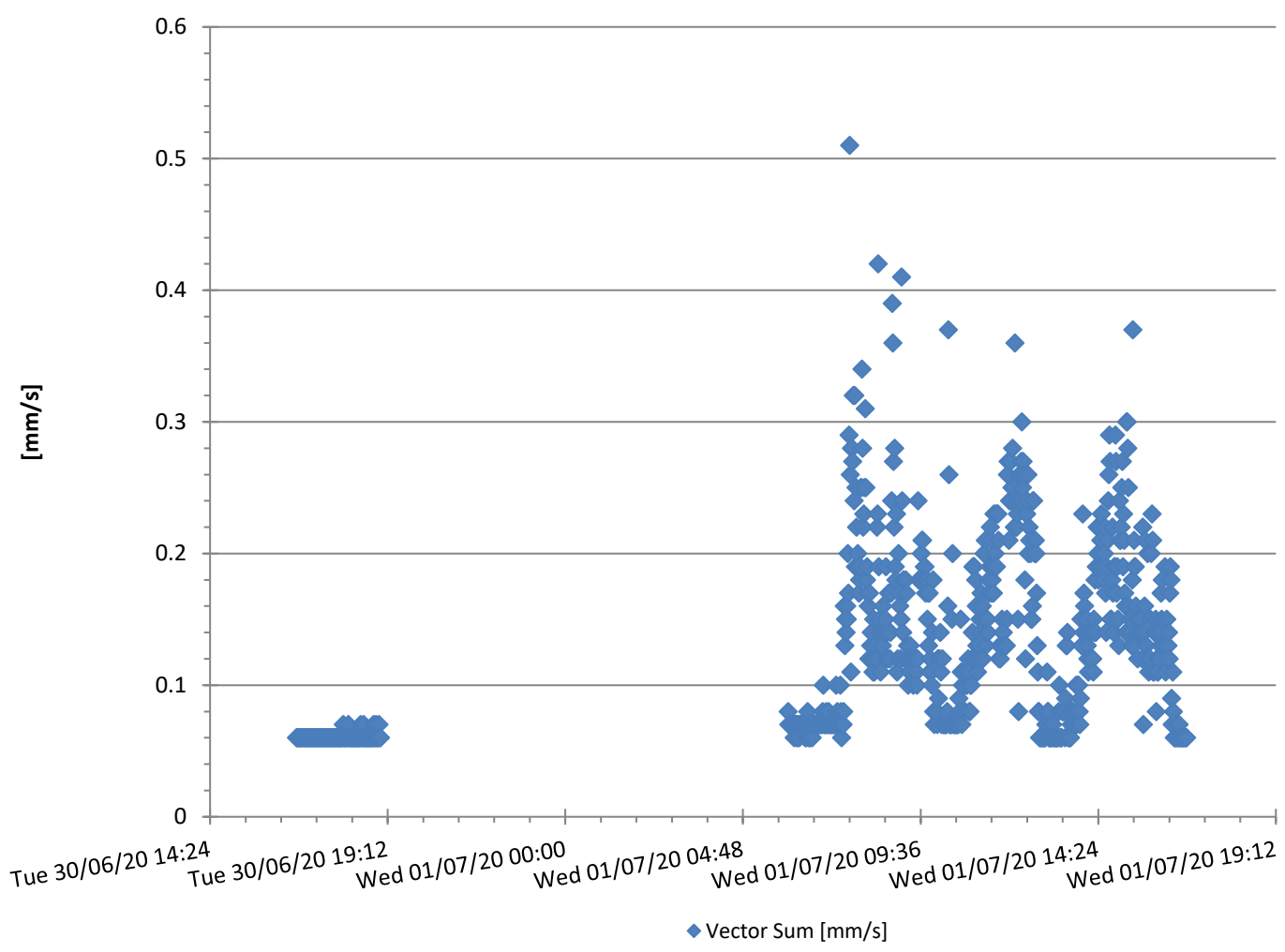


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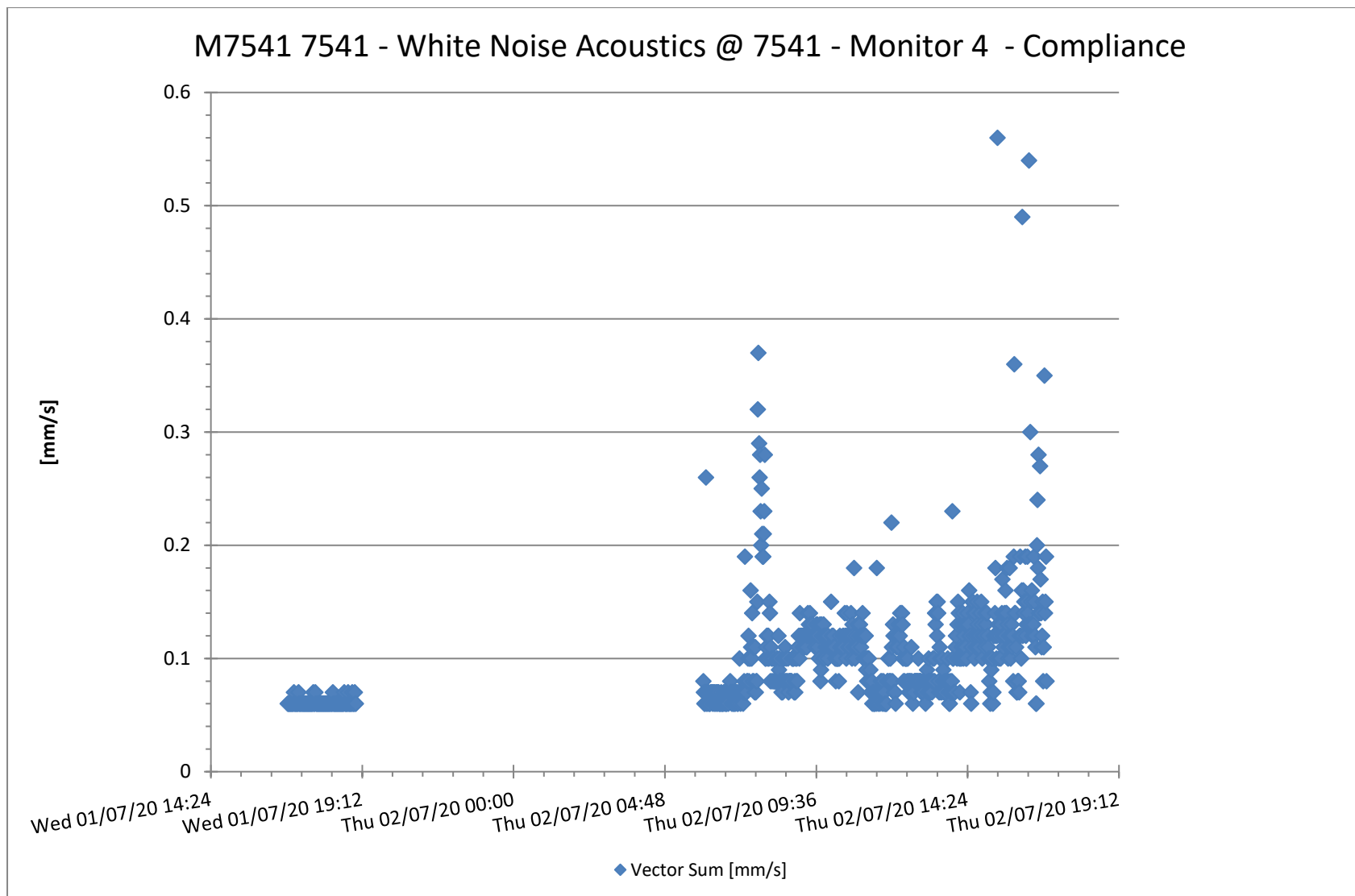


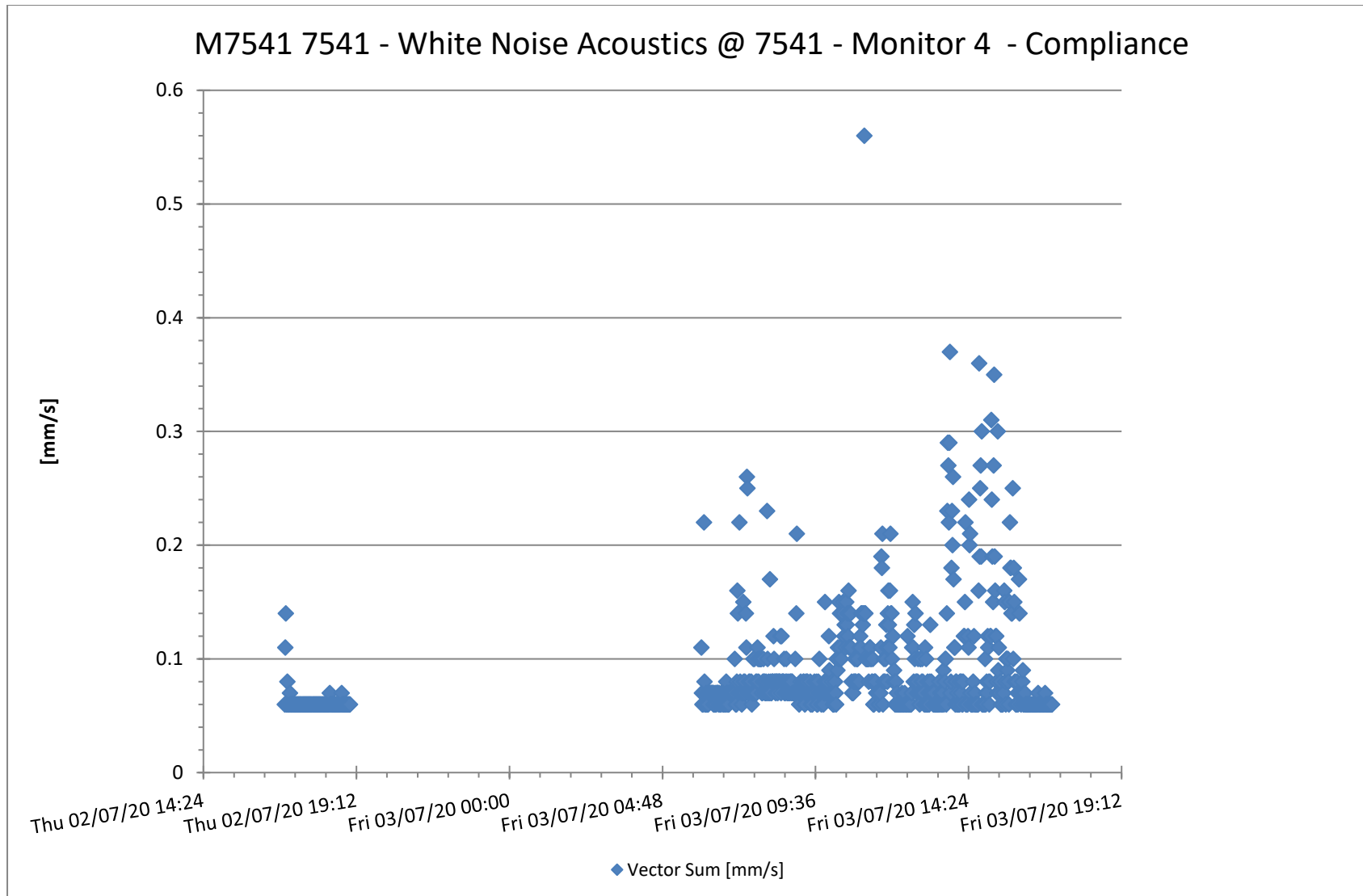
10 Appendix D –Logger Location 3 – Monitor M7541

M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

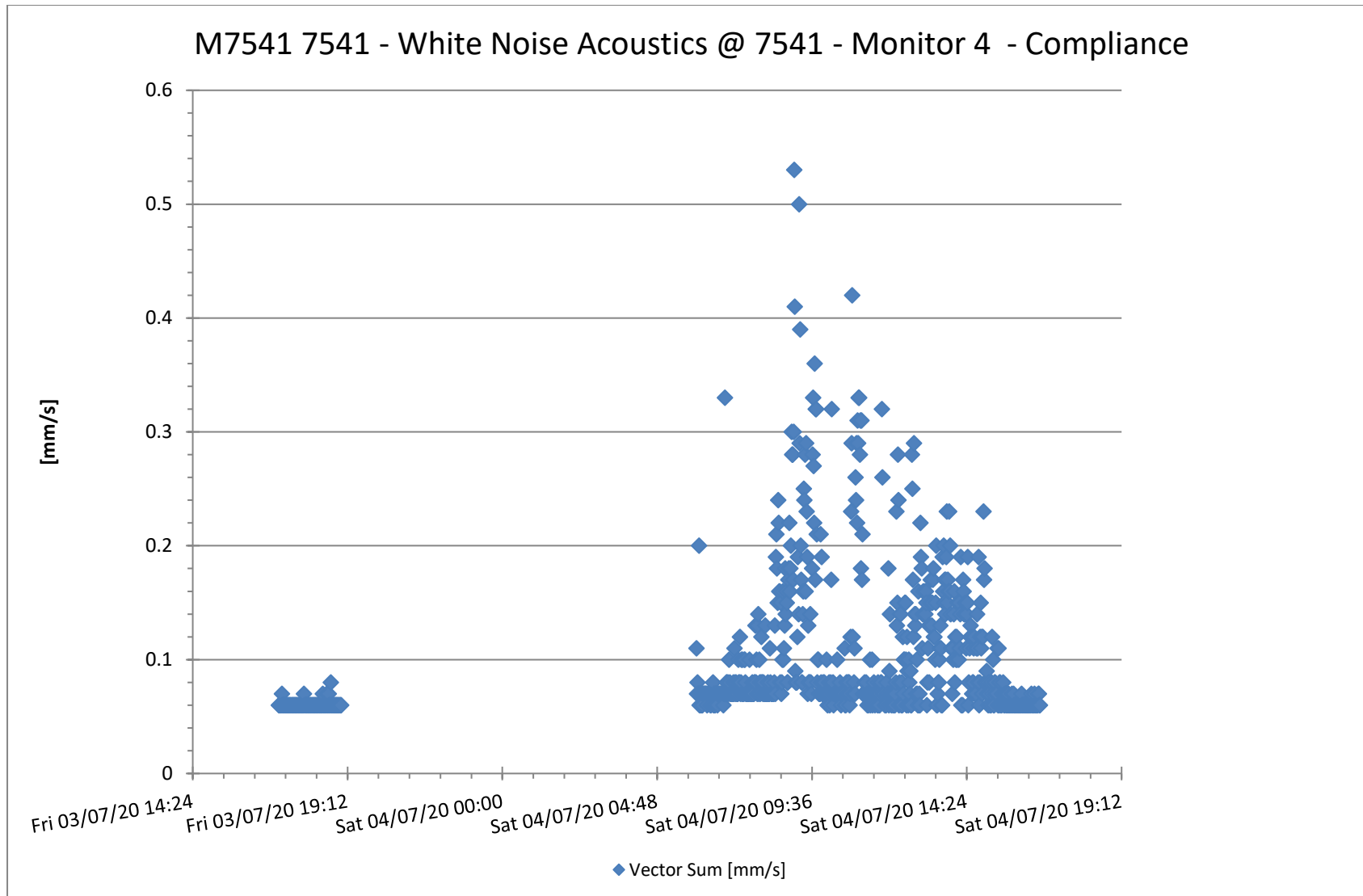


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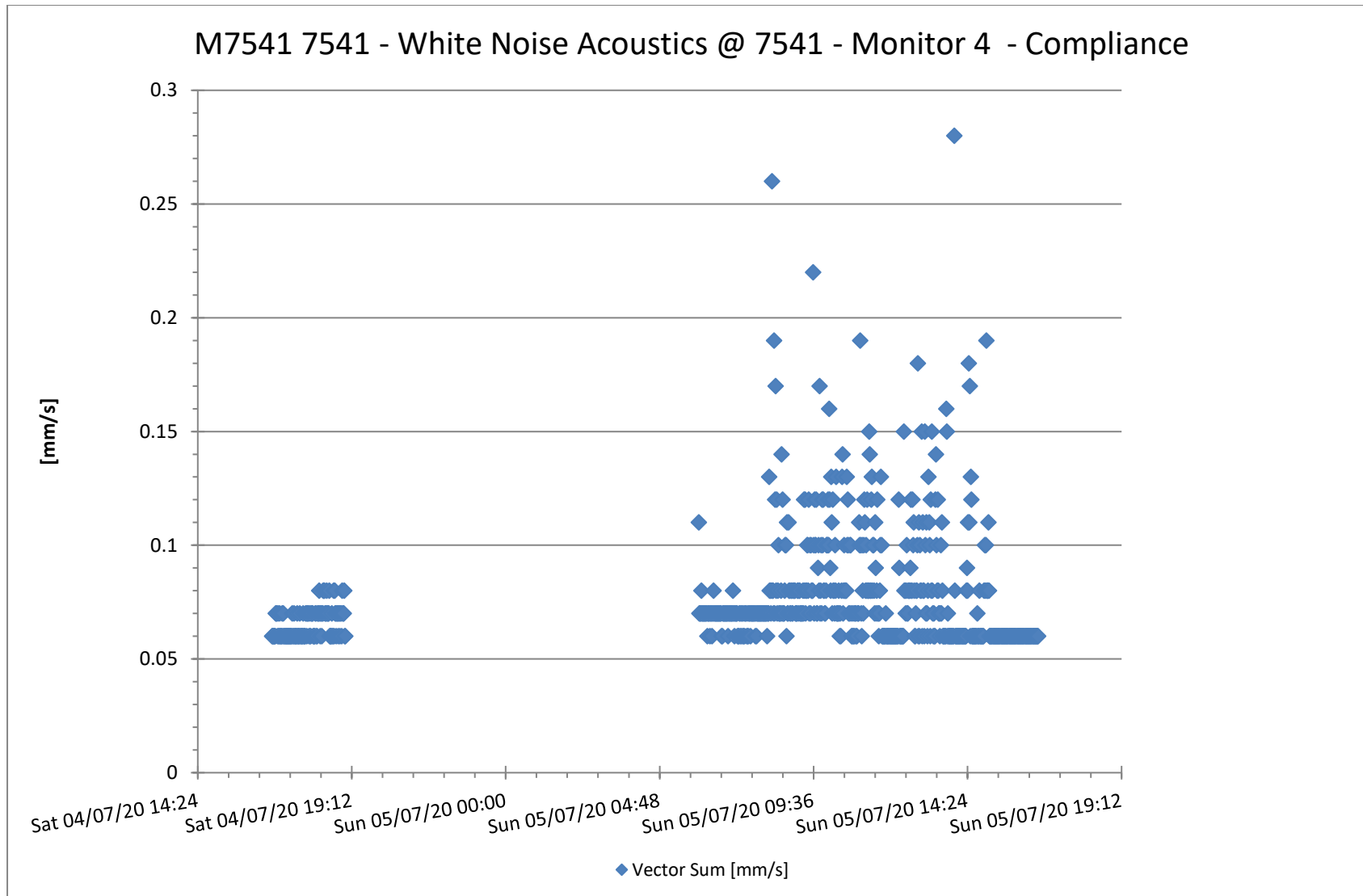




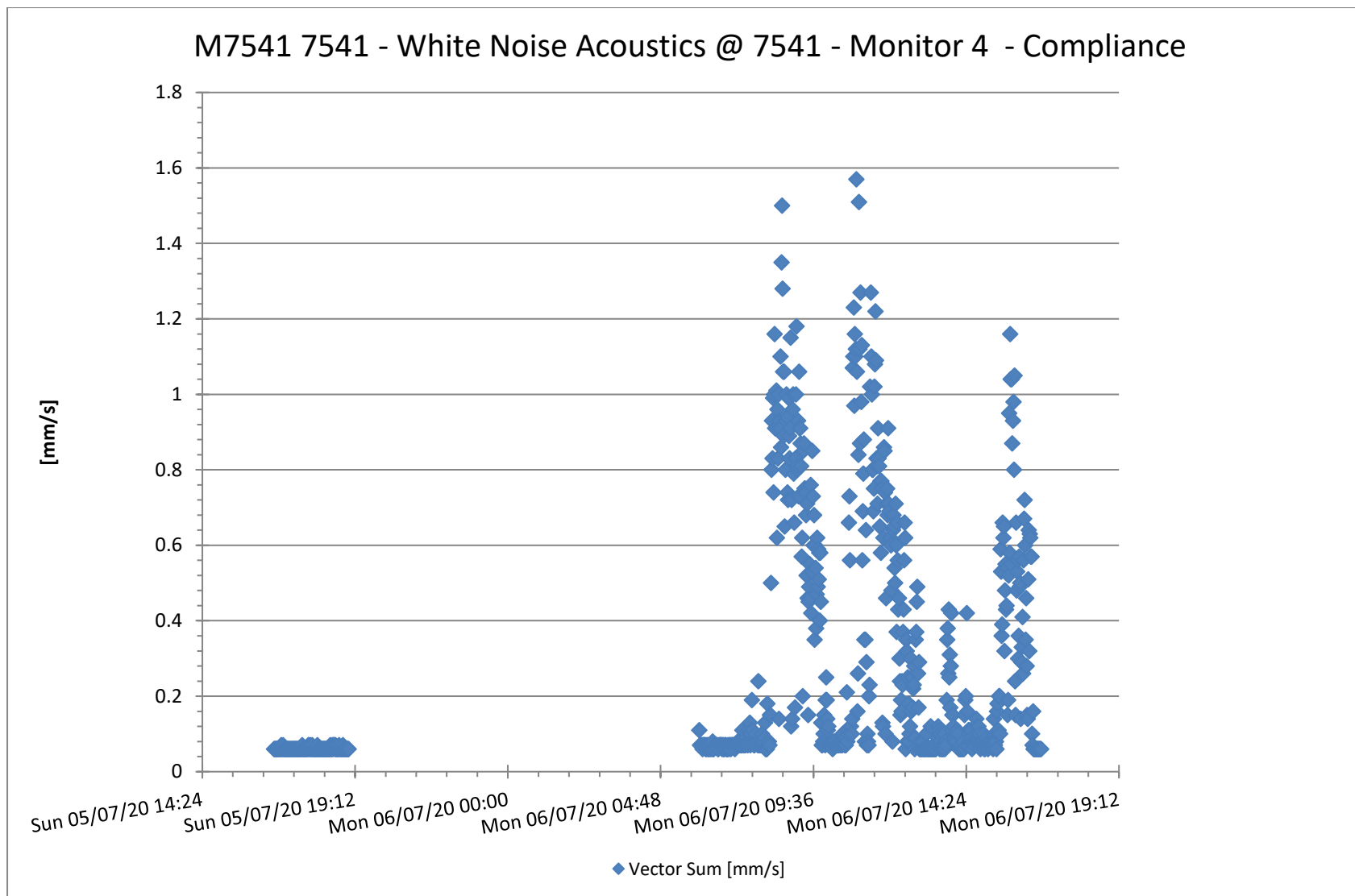
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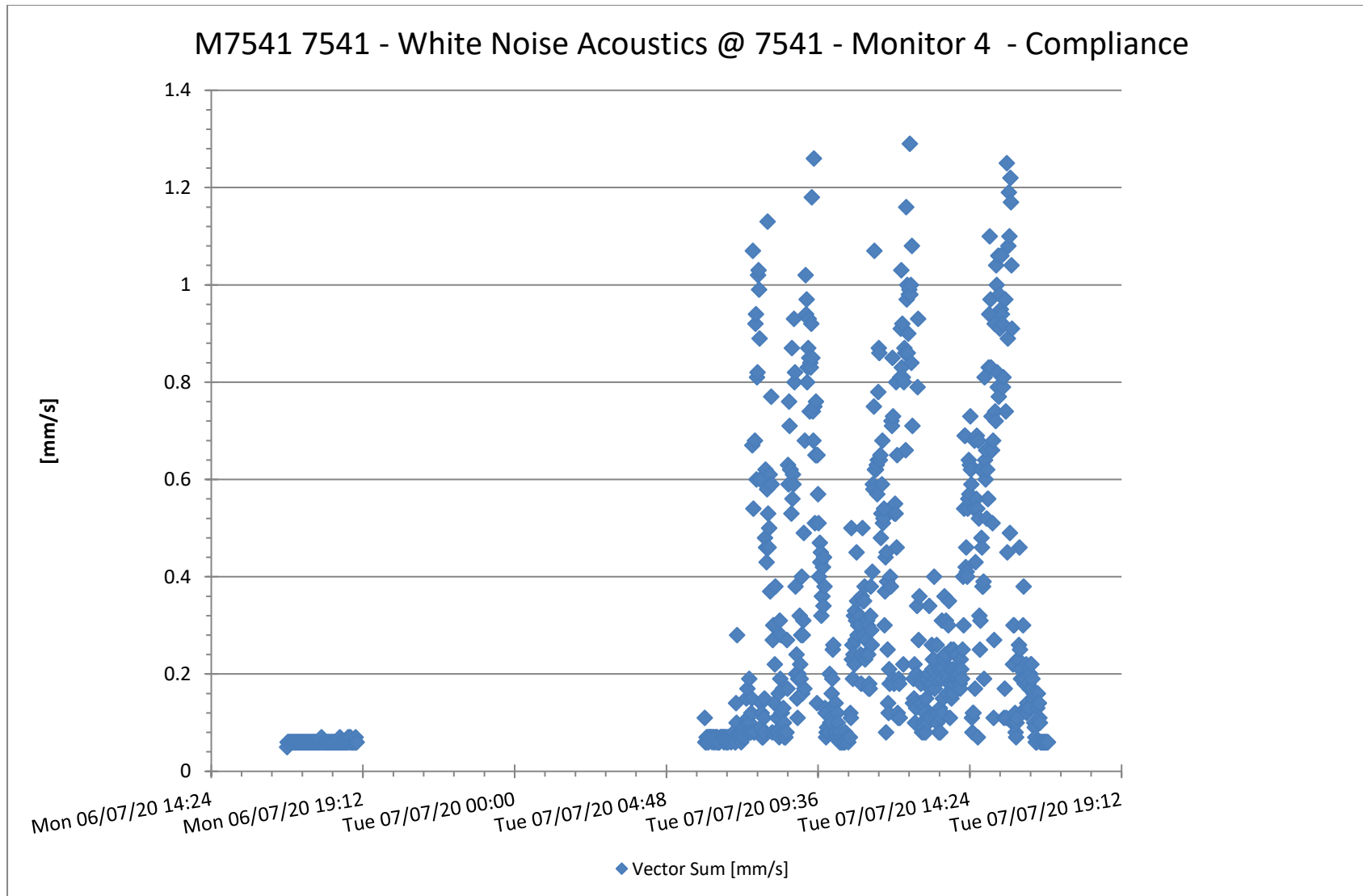
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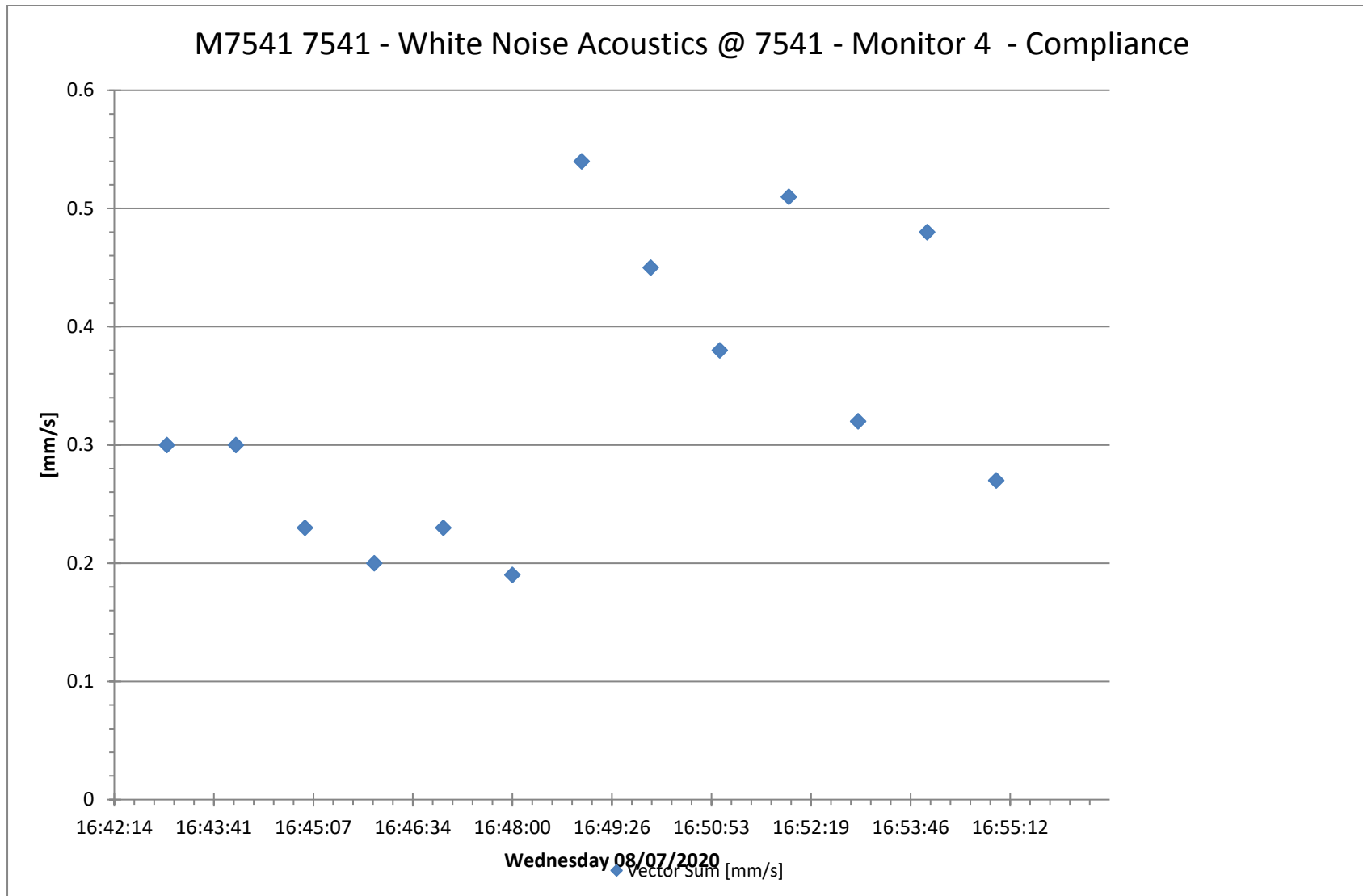
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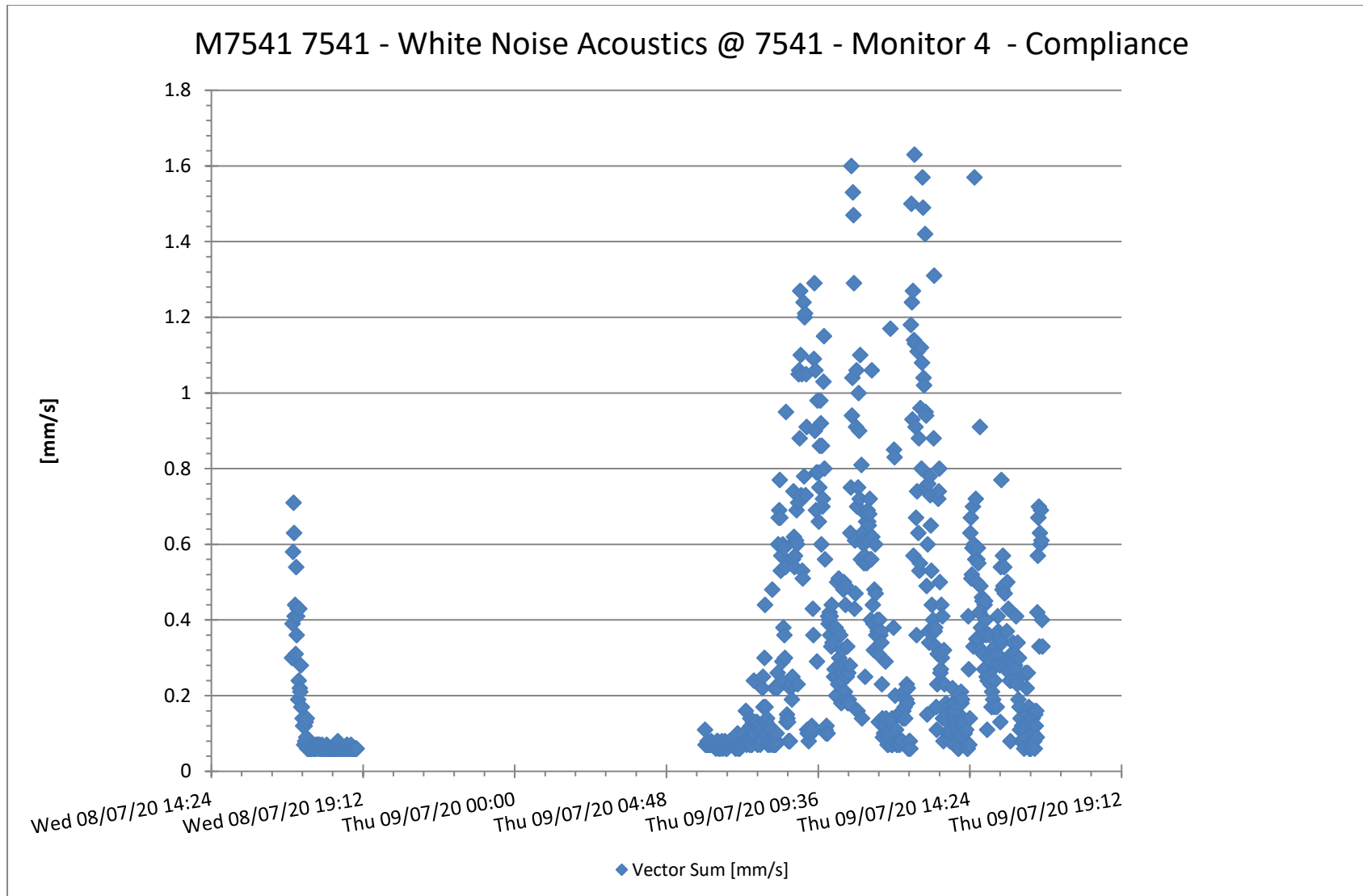
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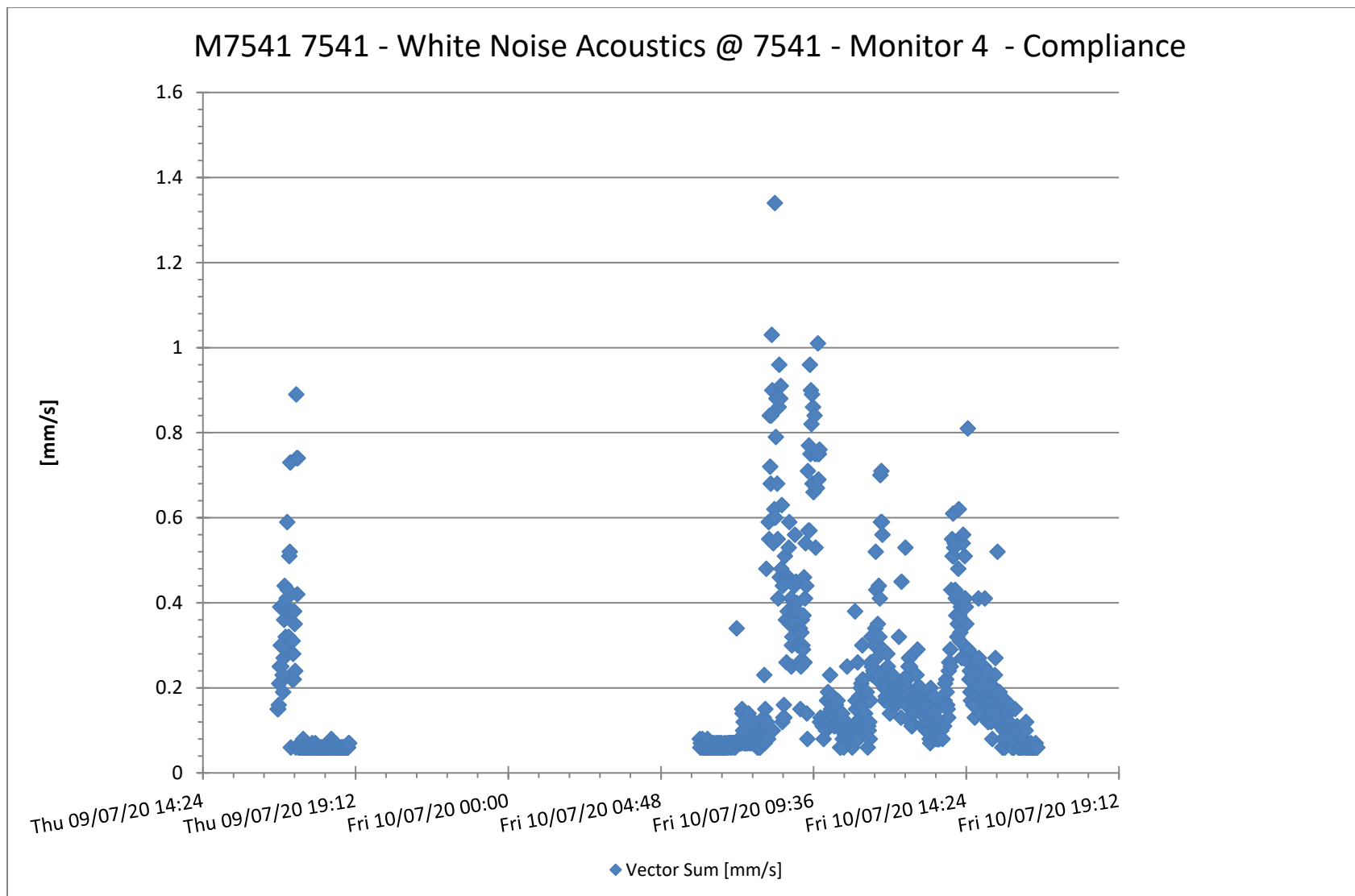
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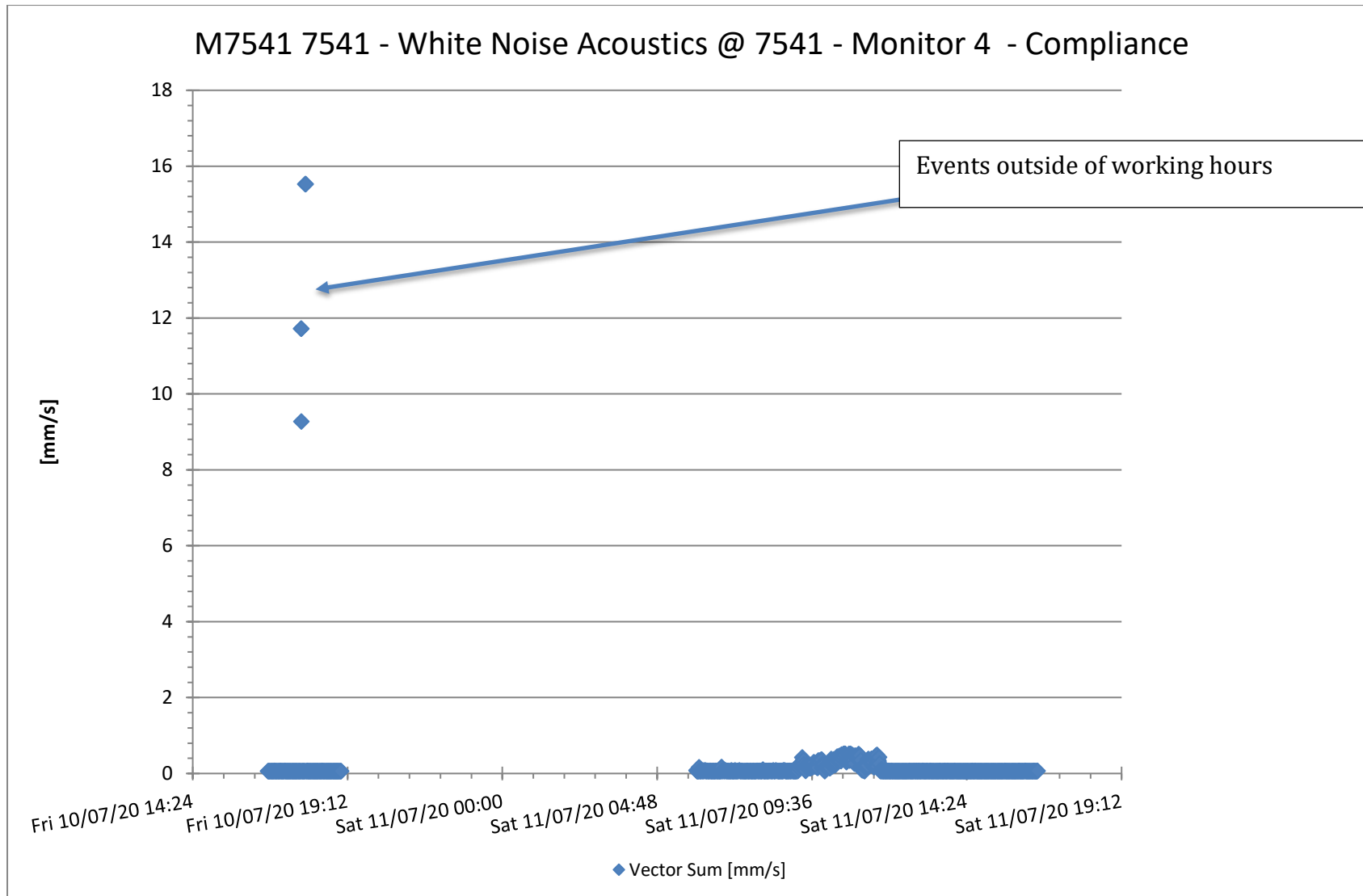
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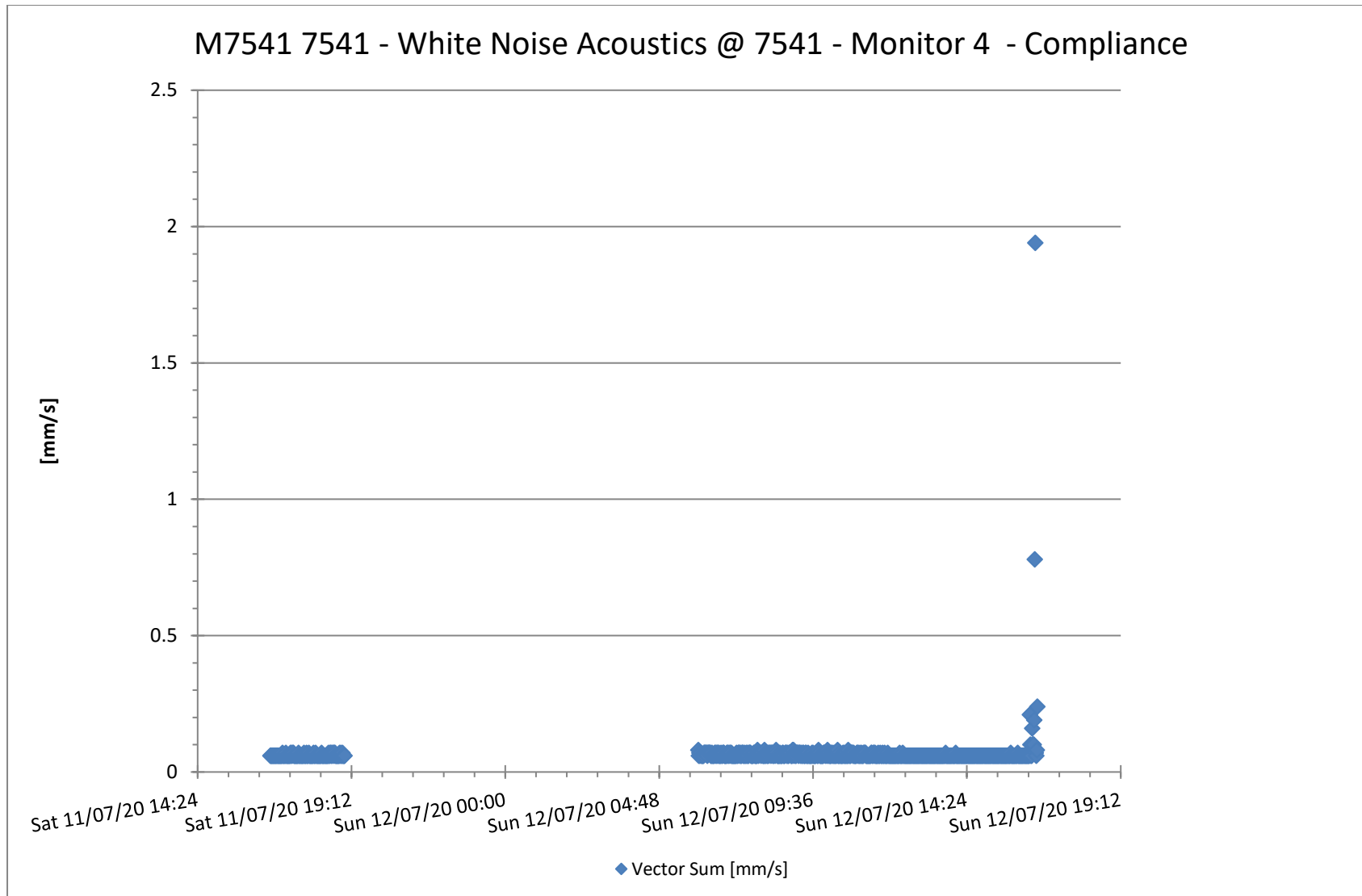
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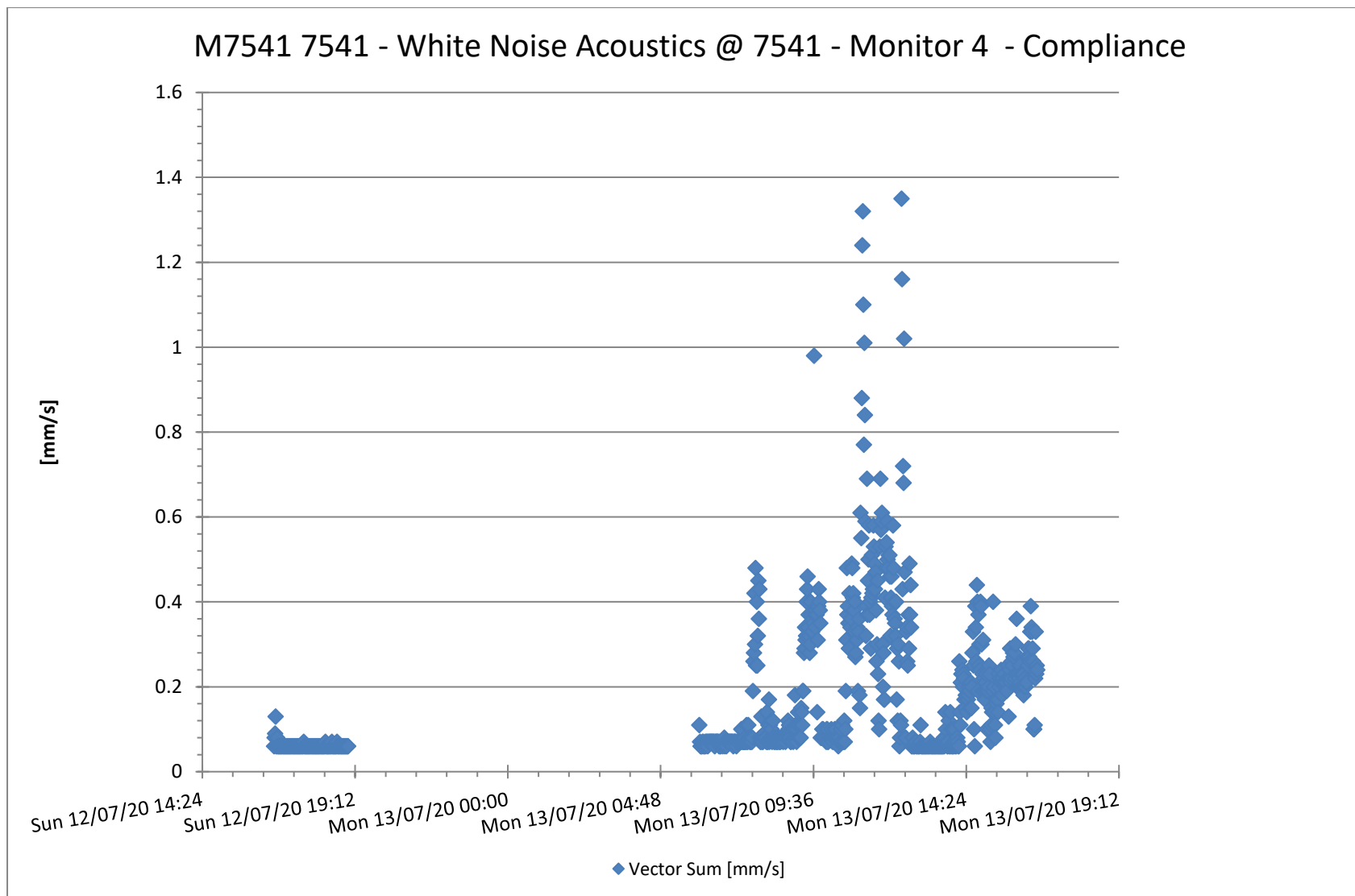
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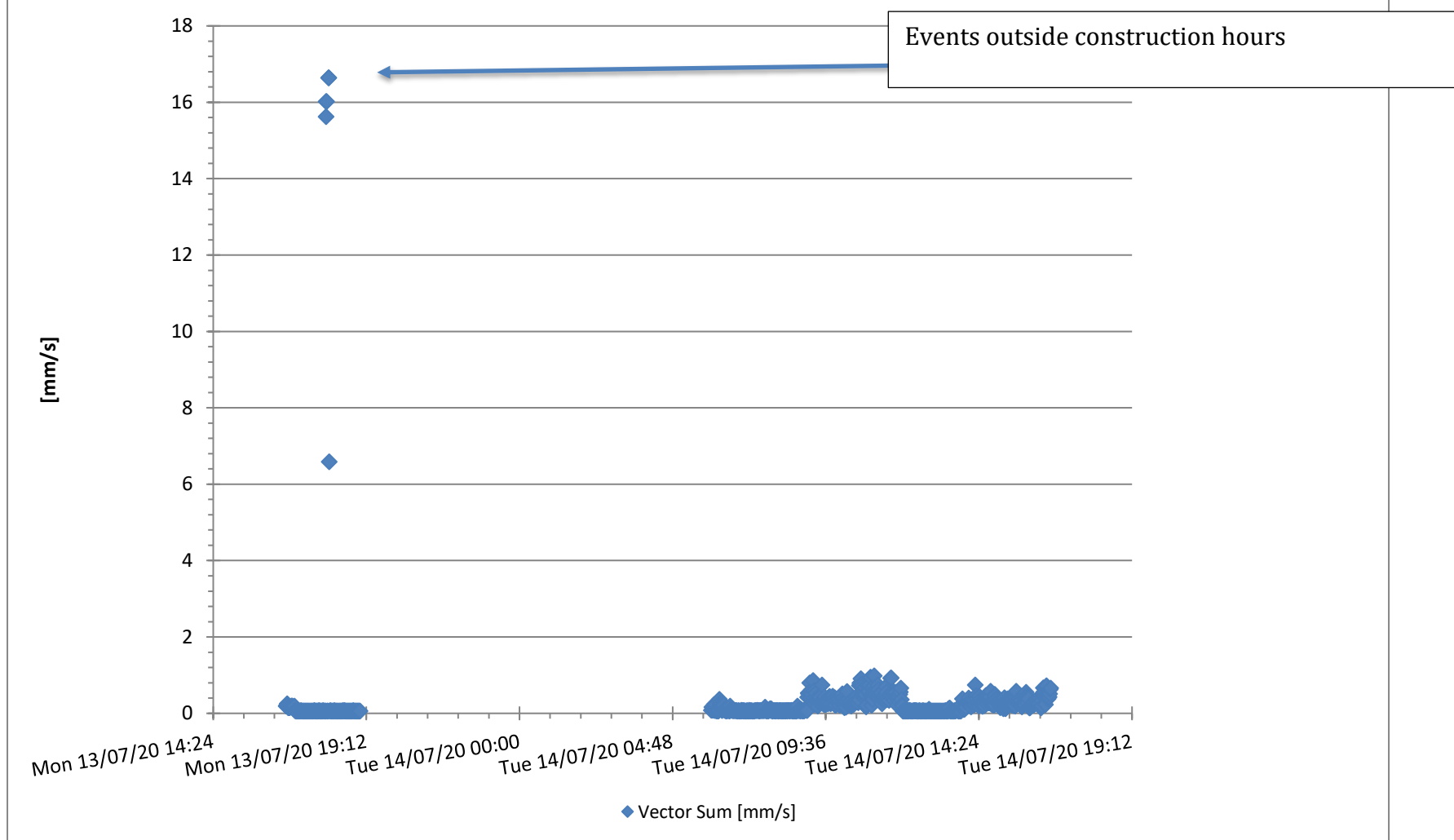
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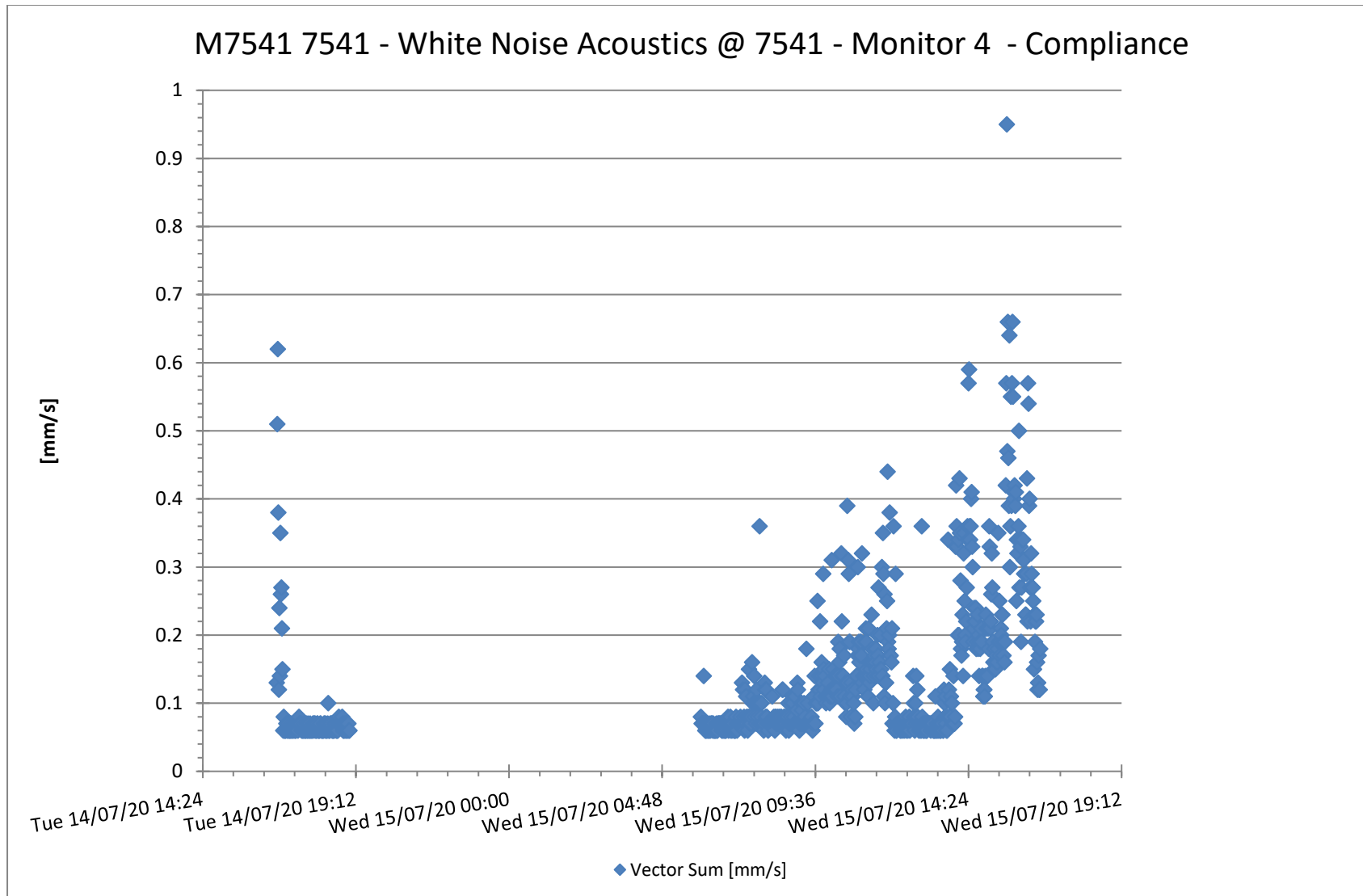
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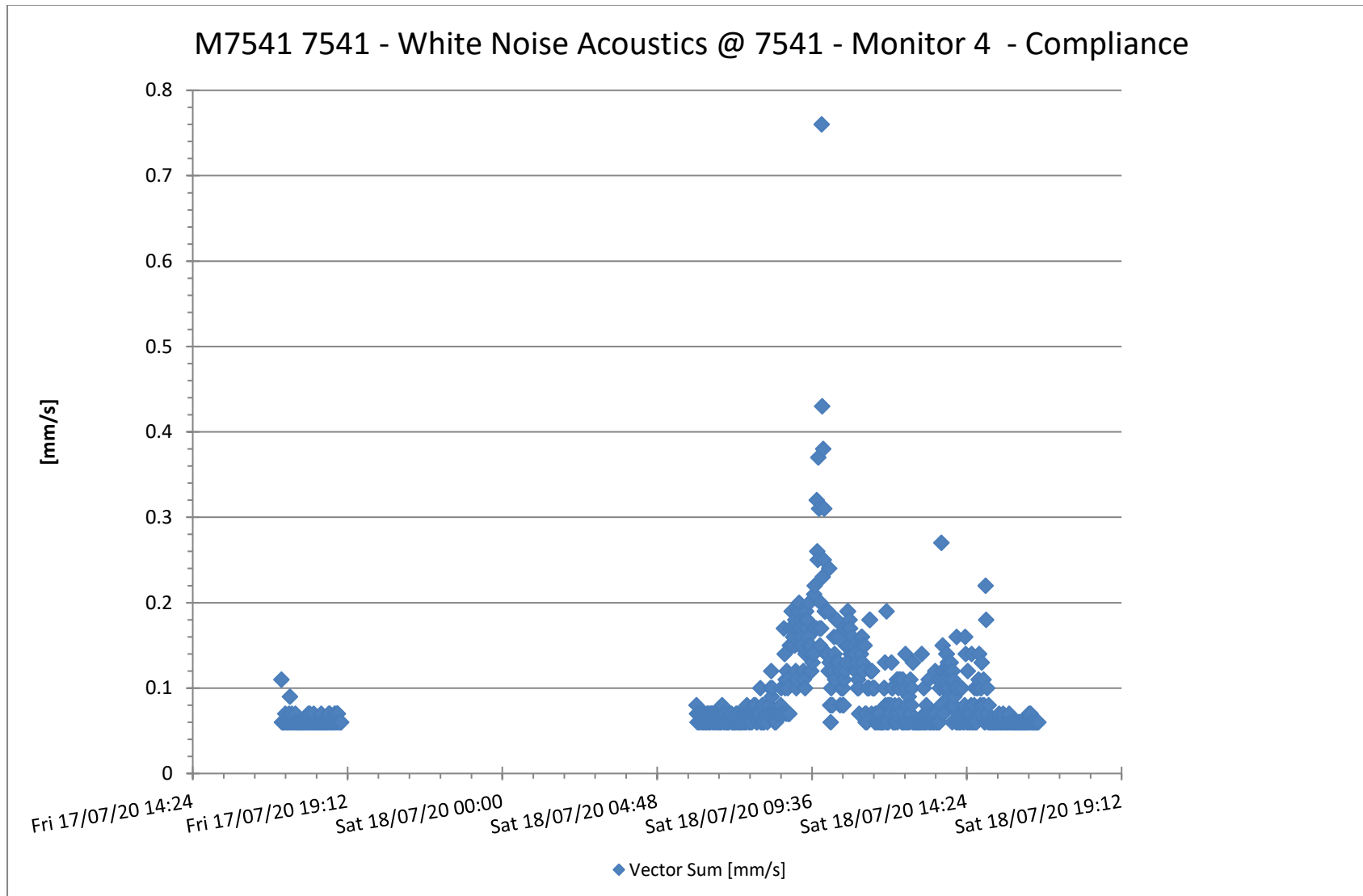
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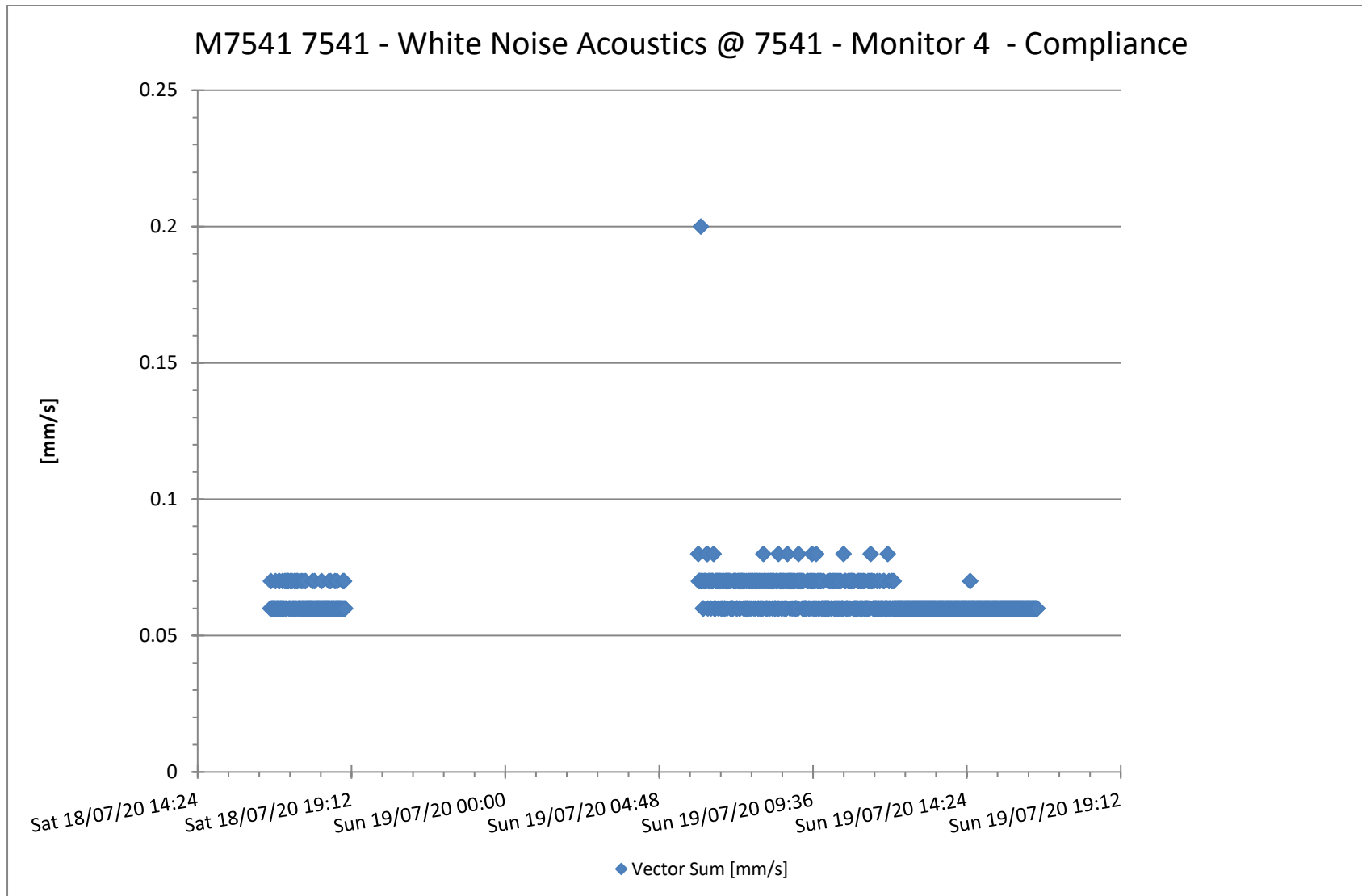
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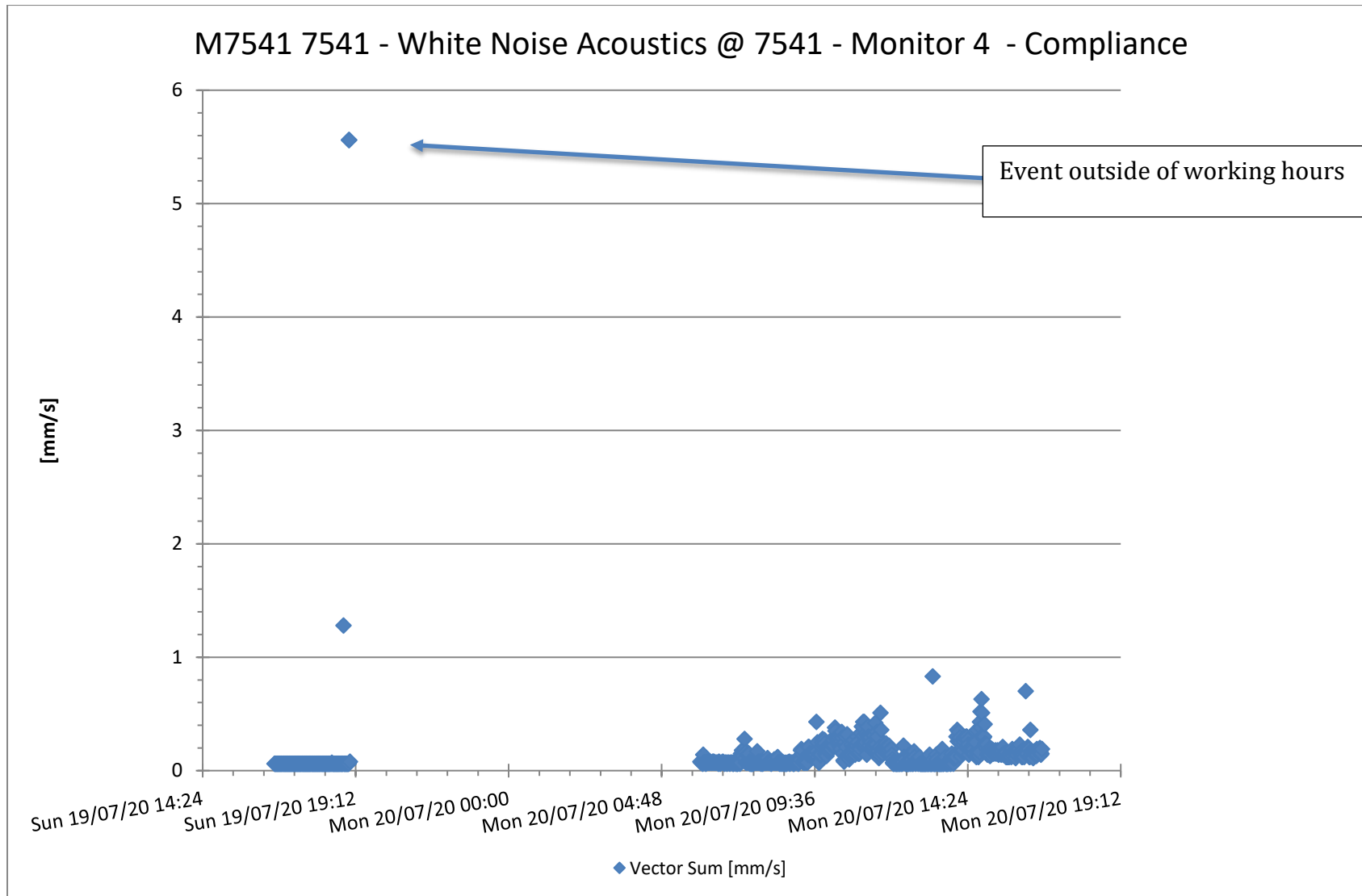
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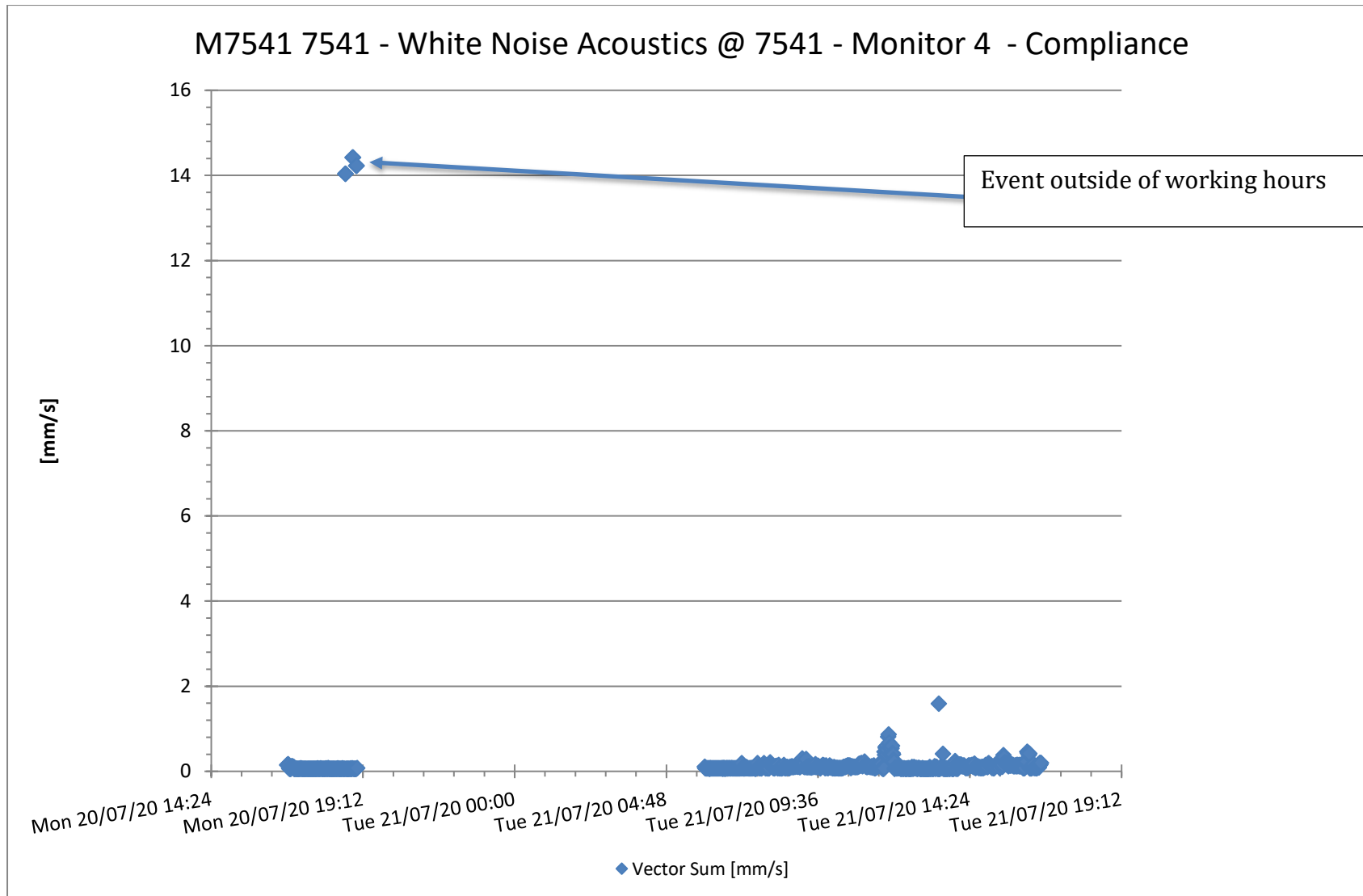
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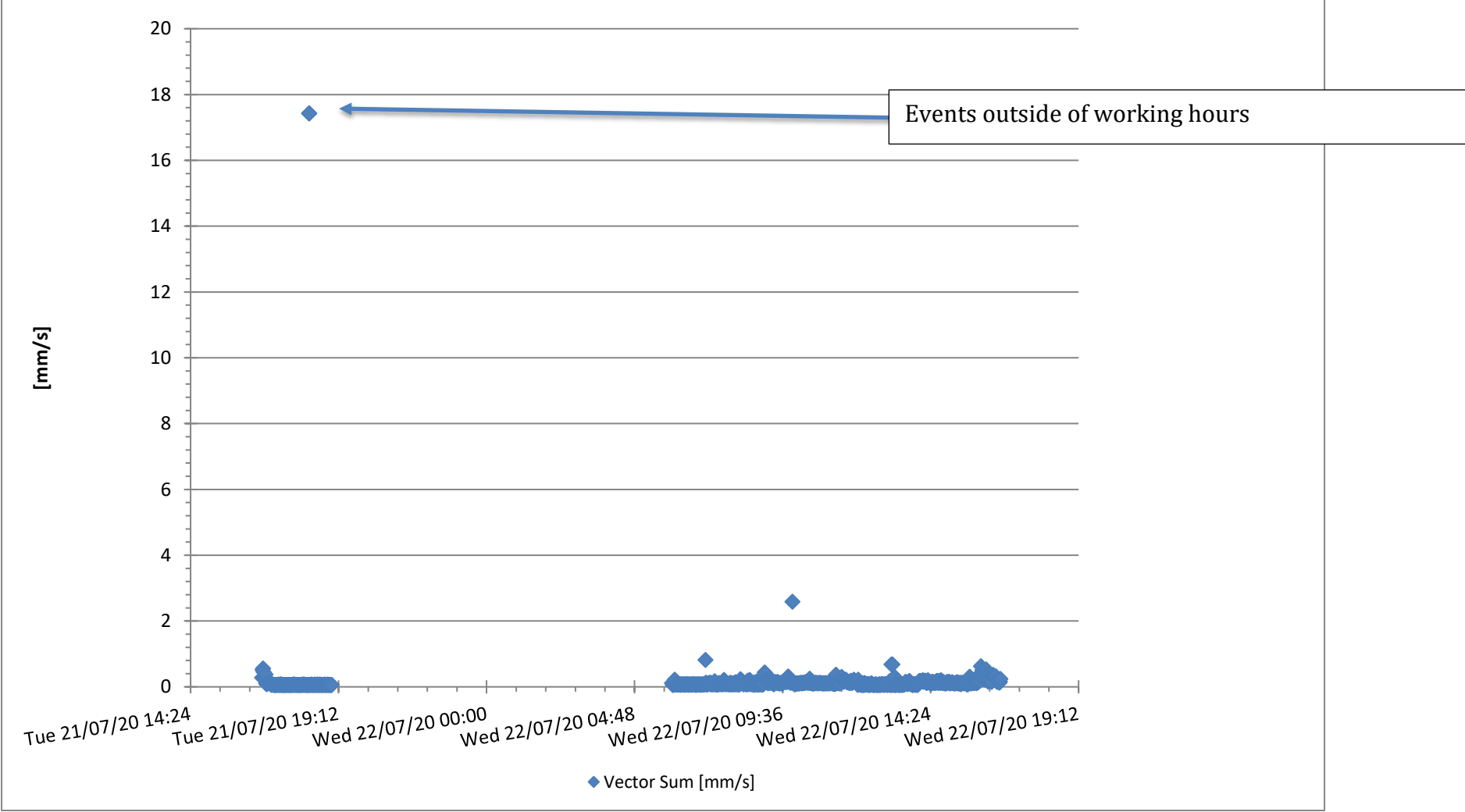
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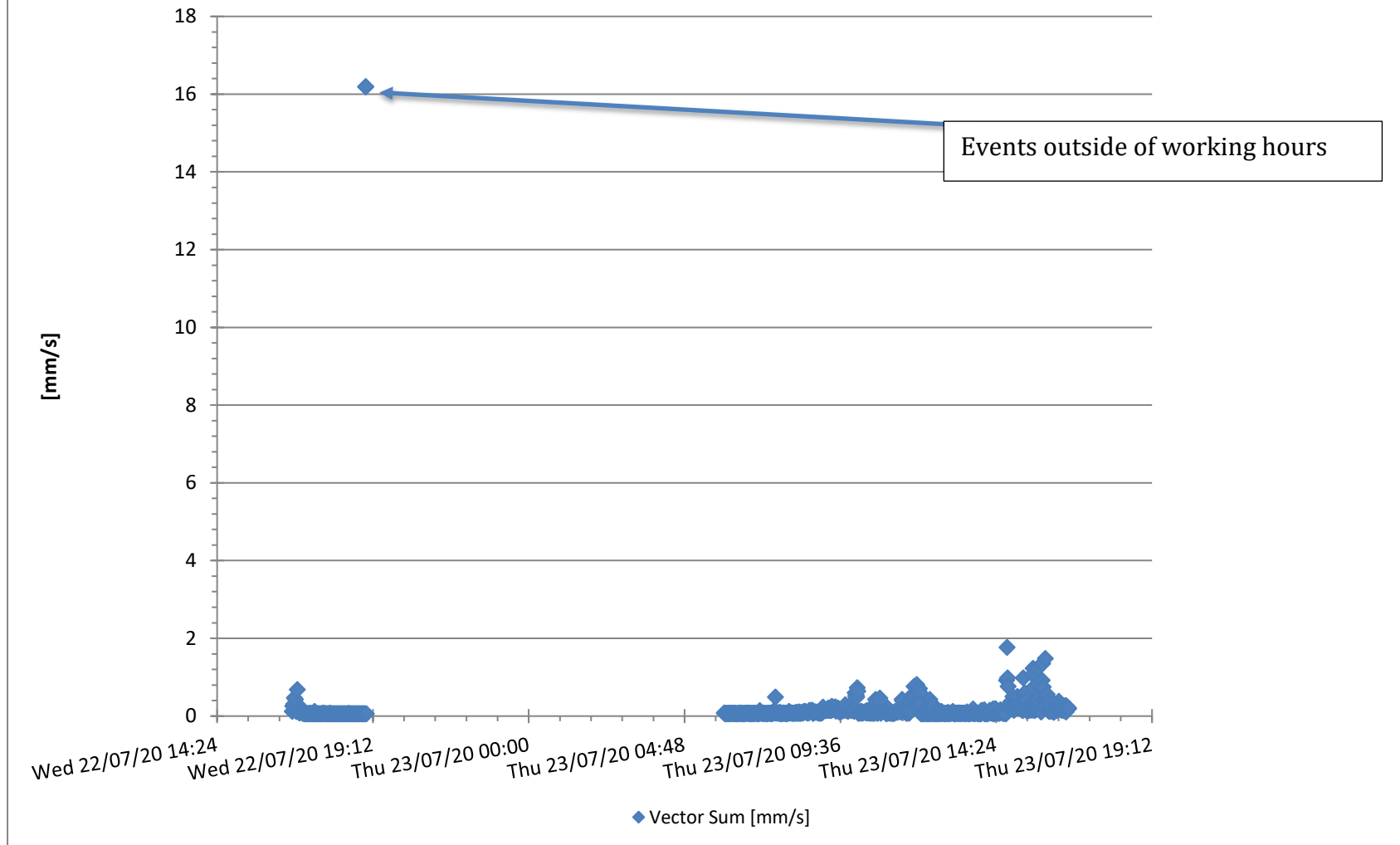
M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



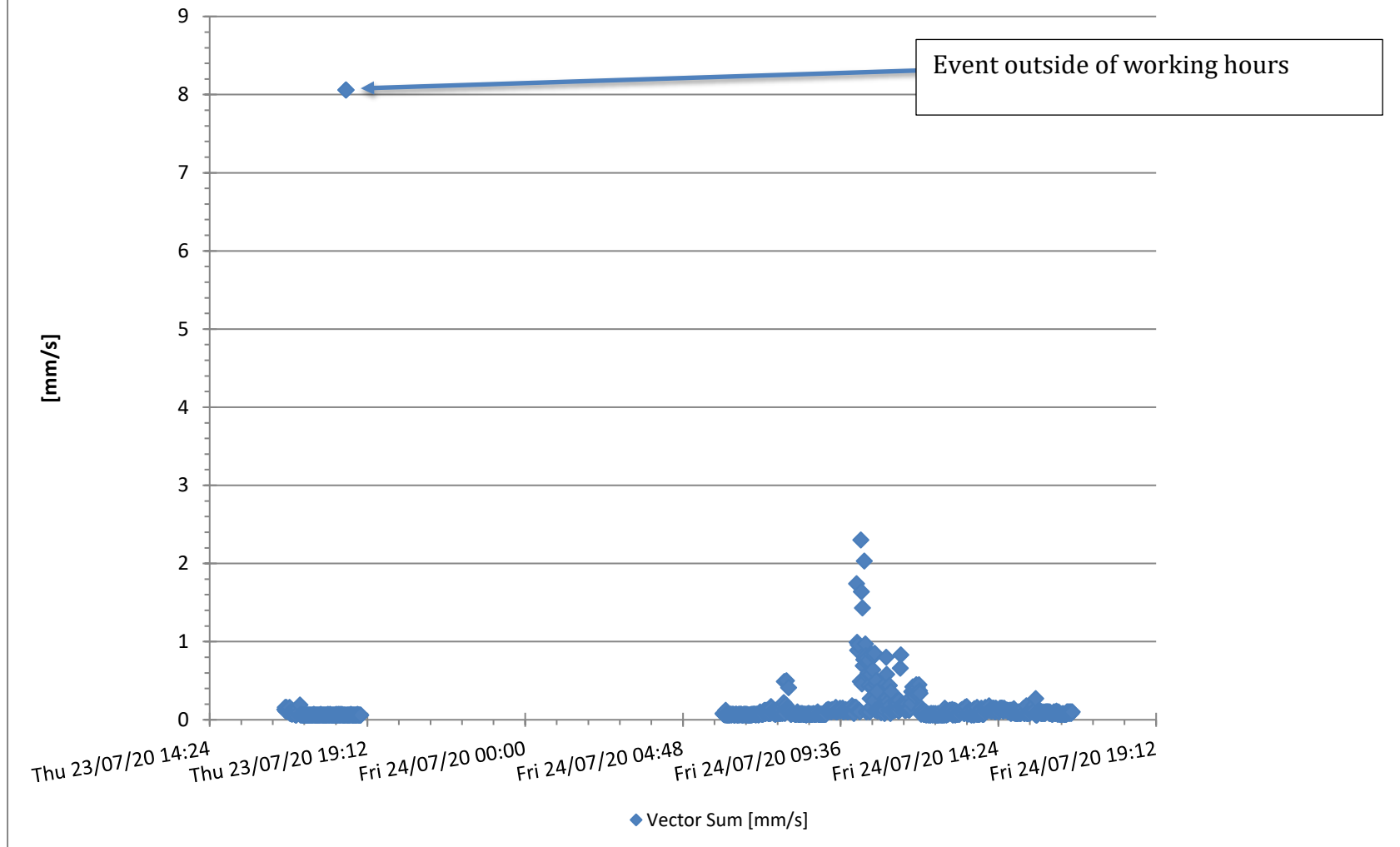
M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



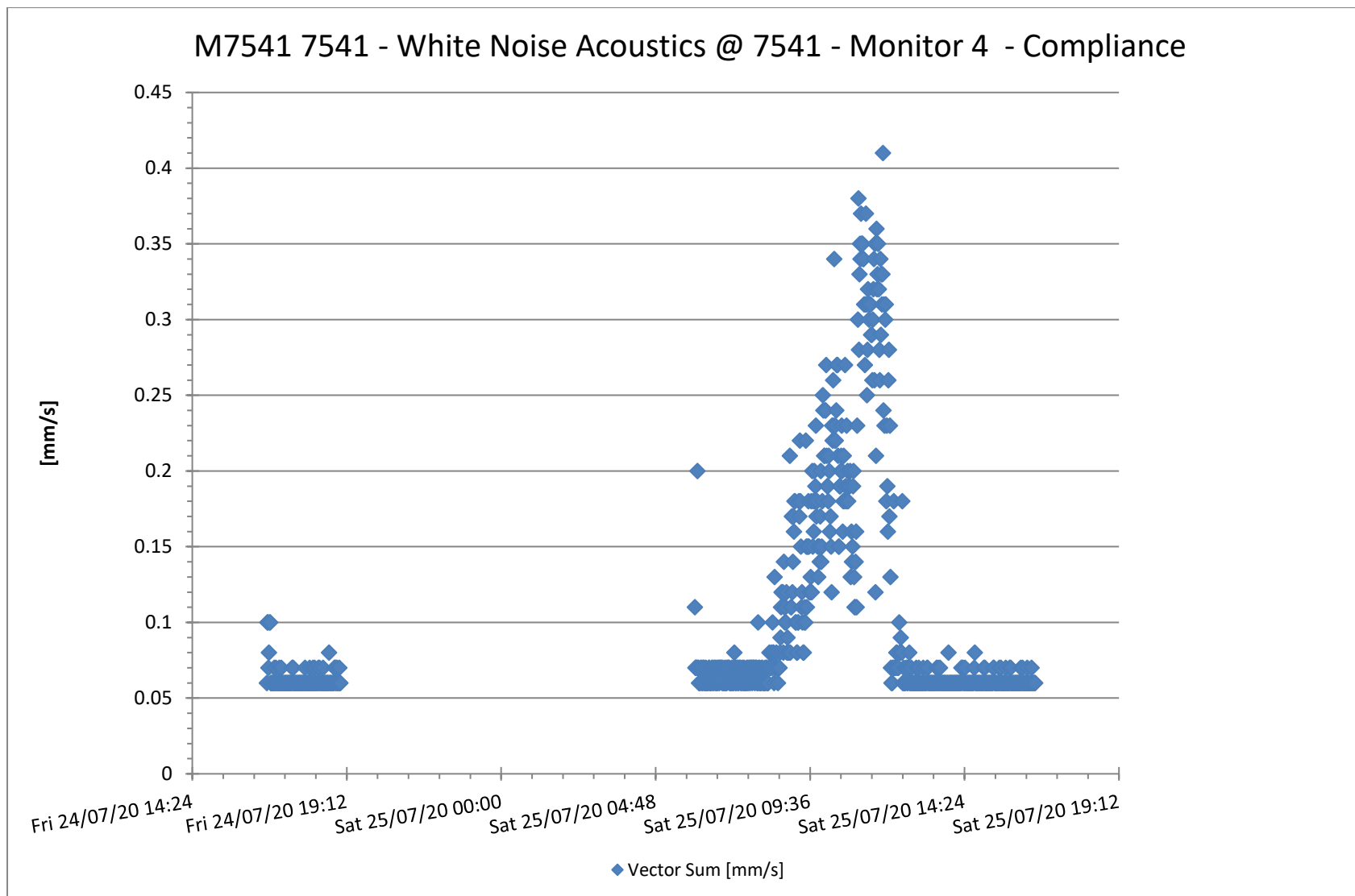
M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



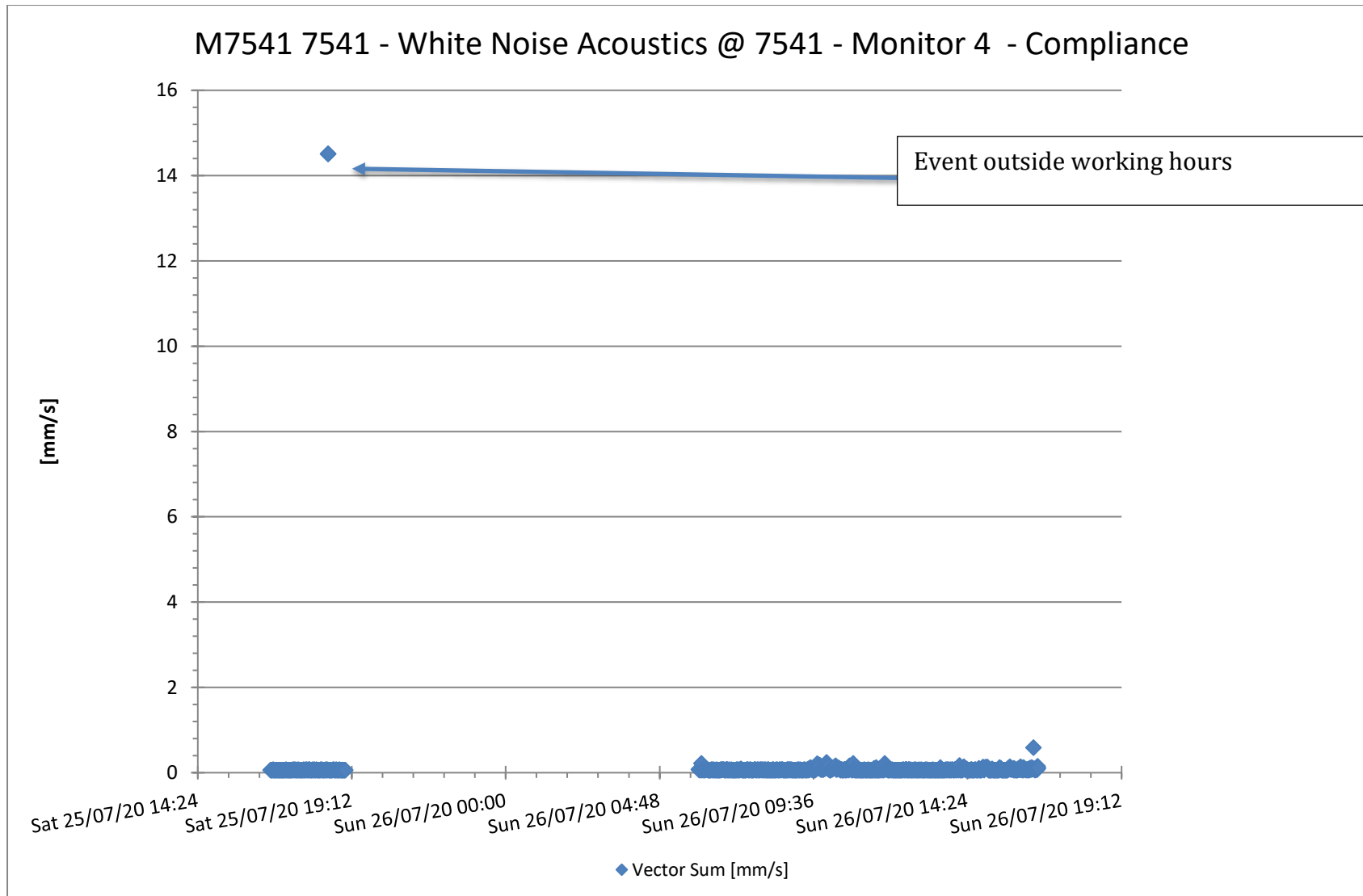
M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



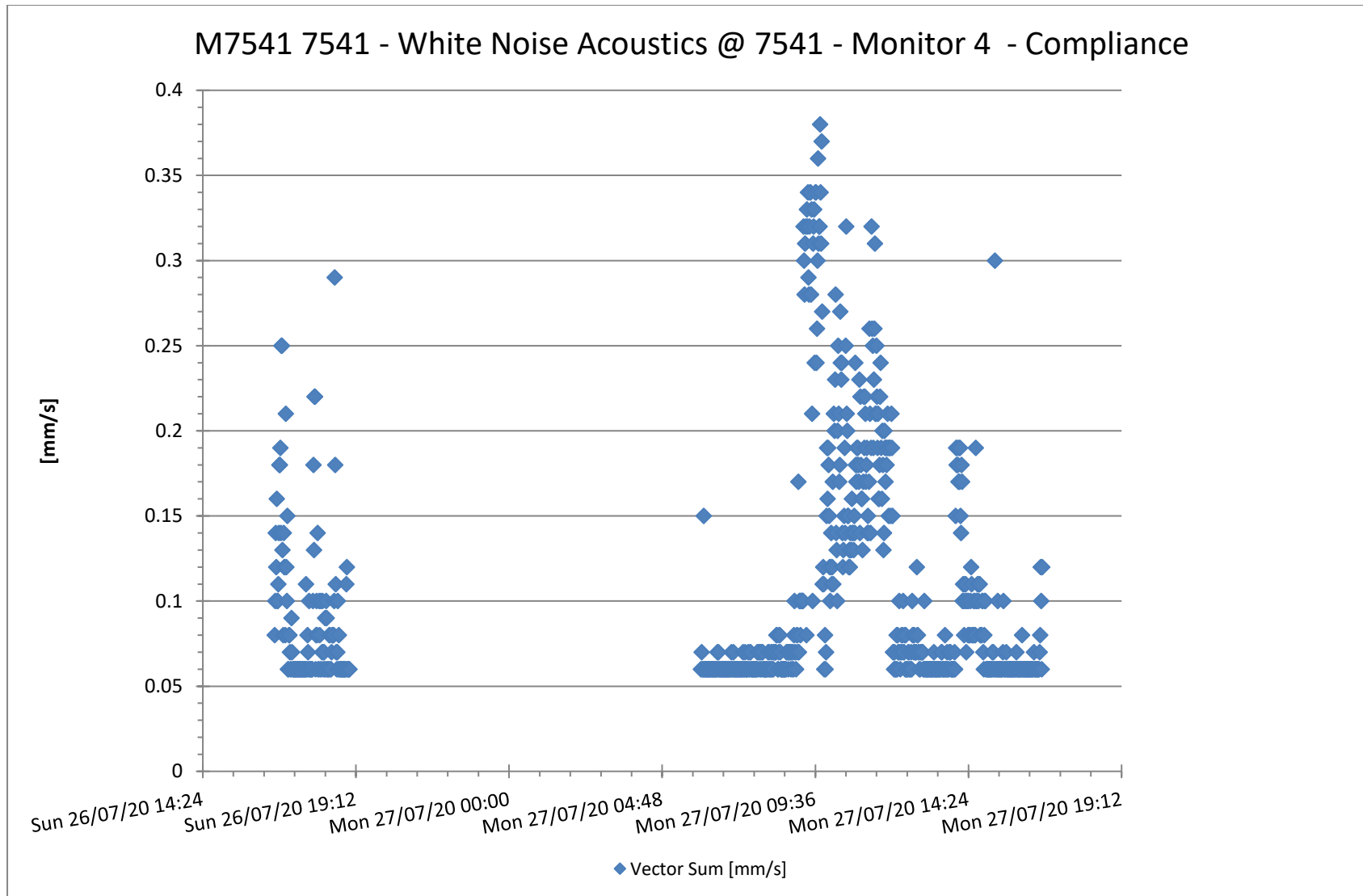
M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



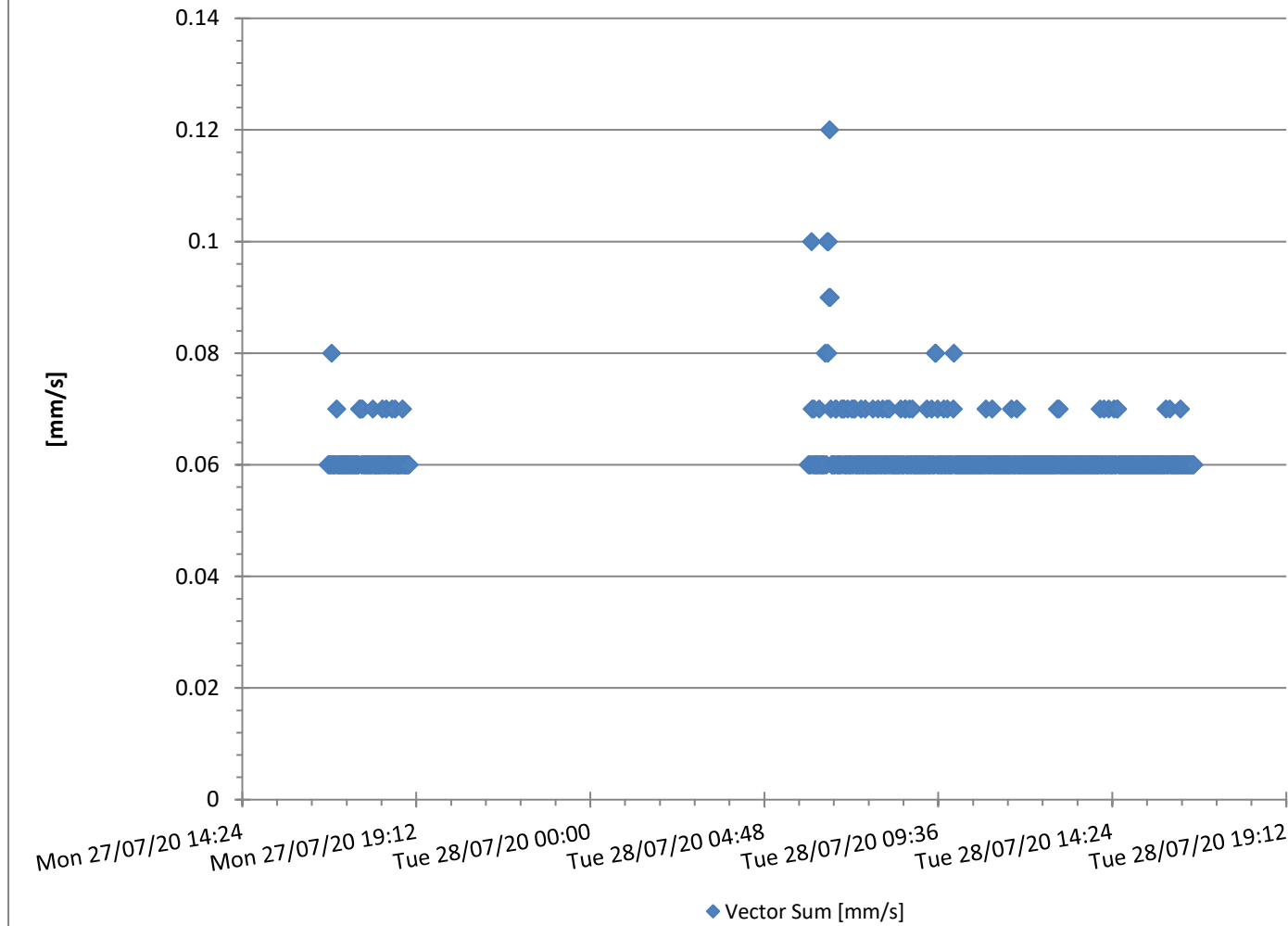
M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



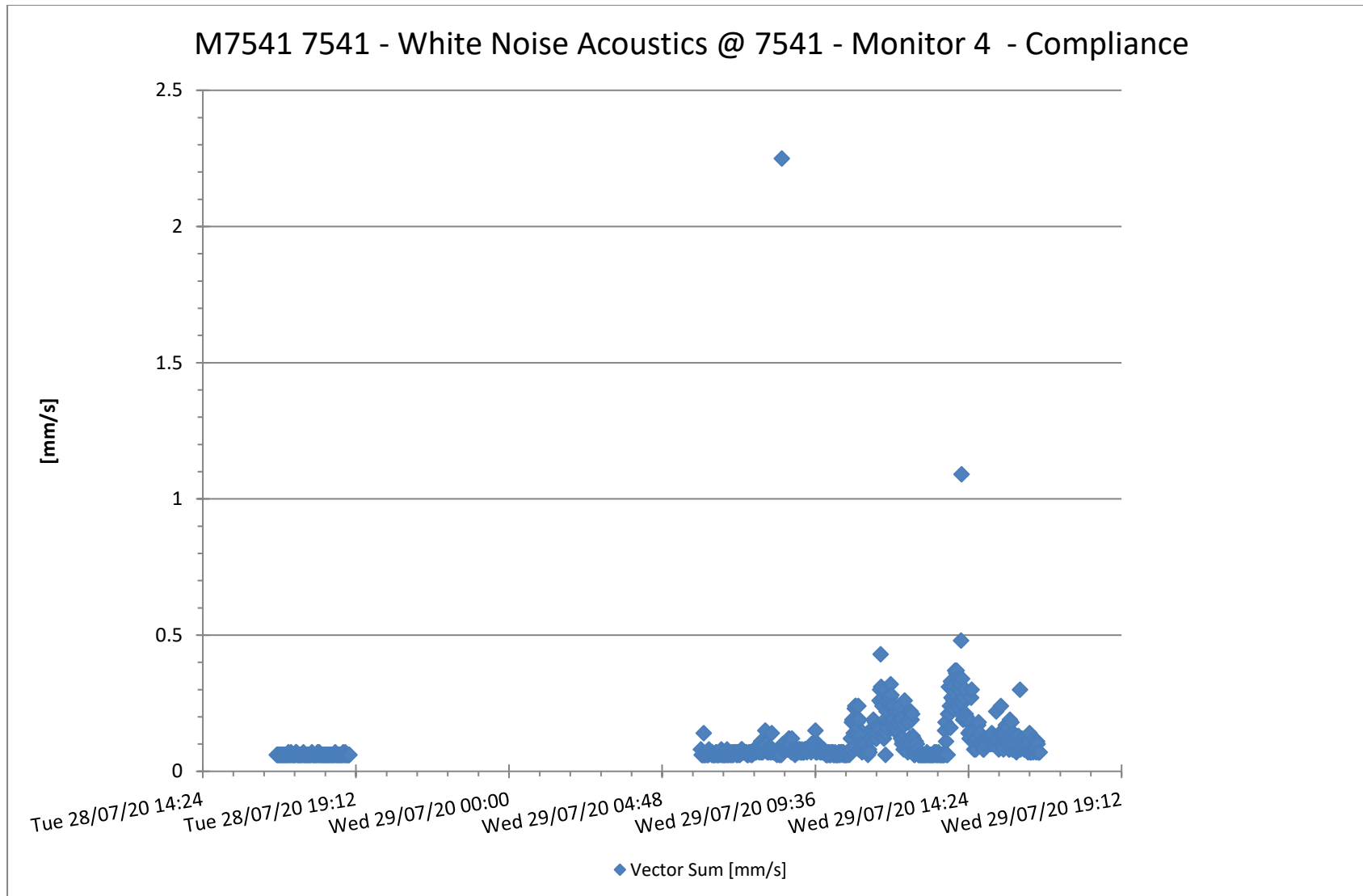
M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



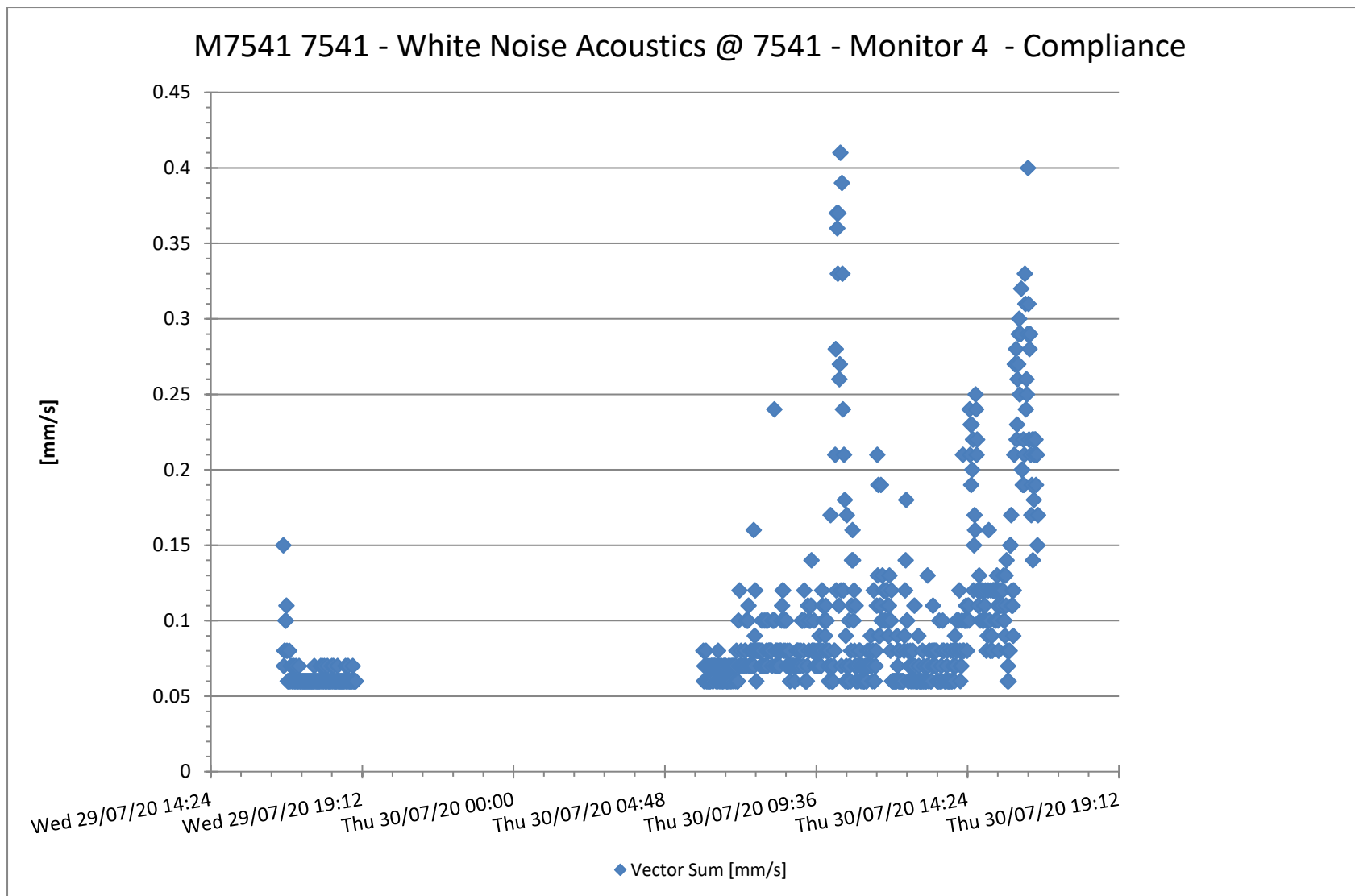
M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



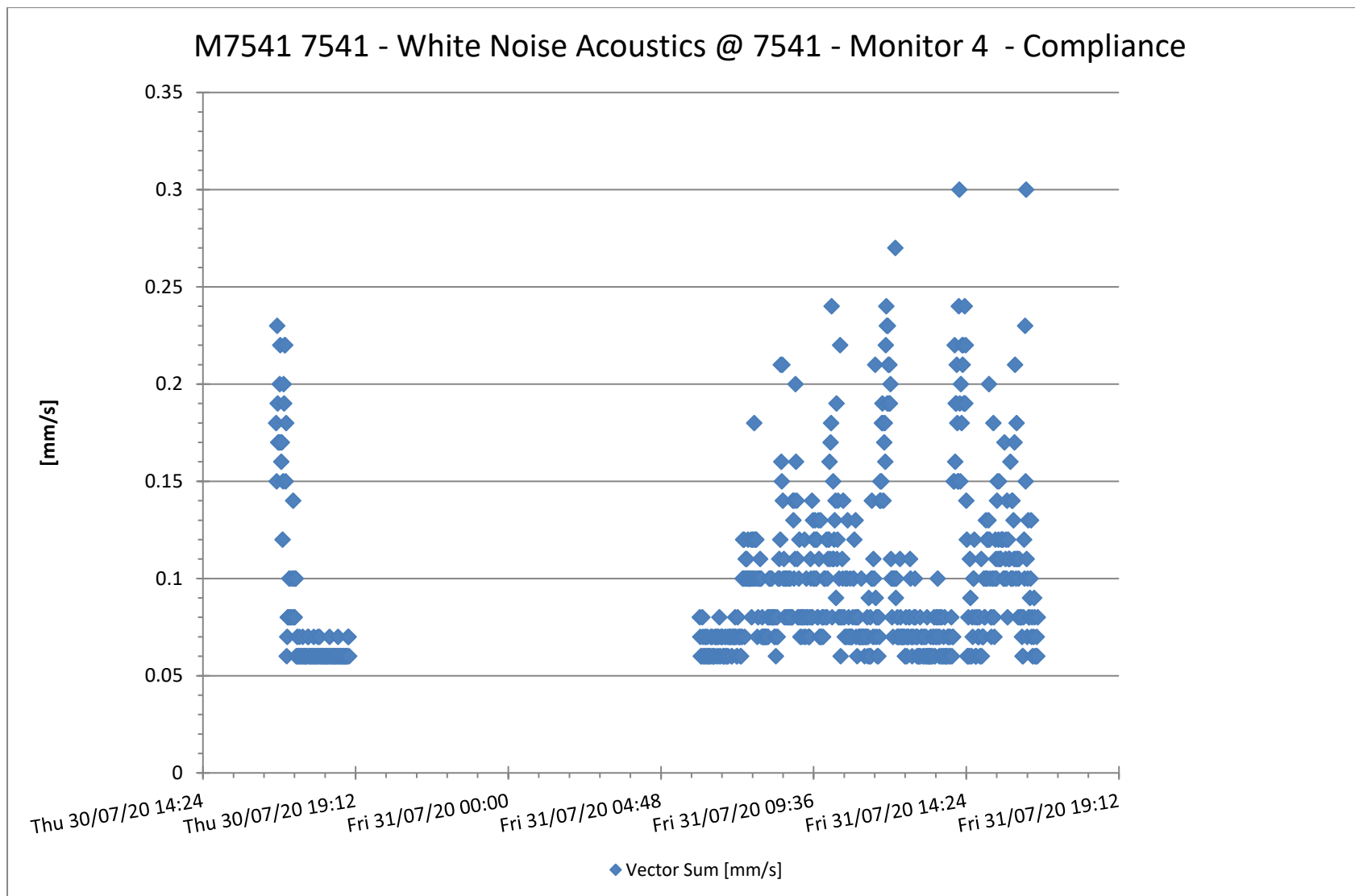
M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

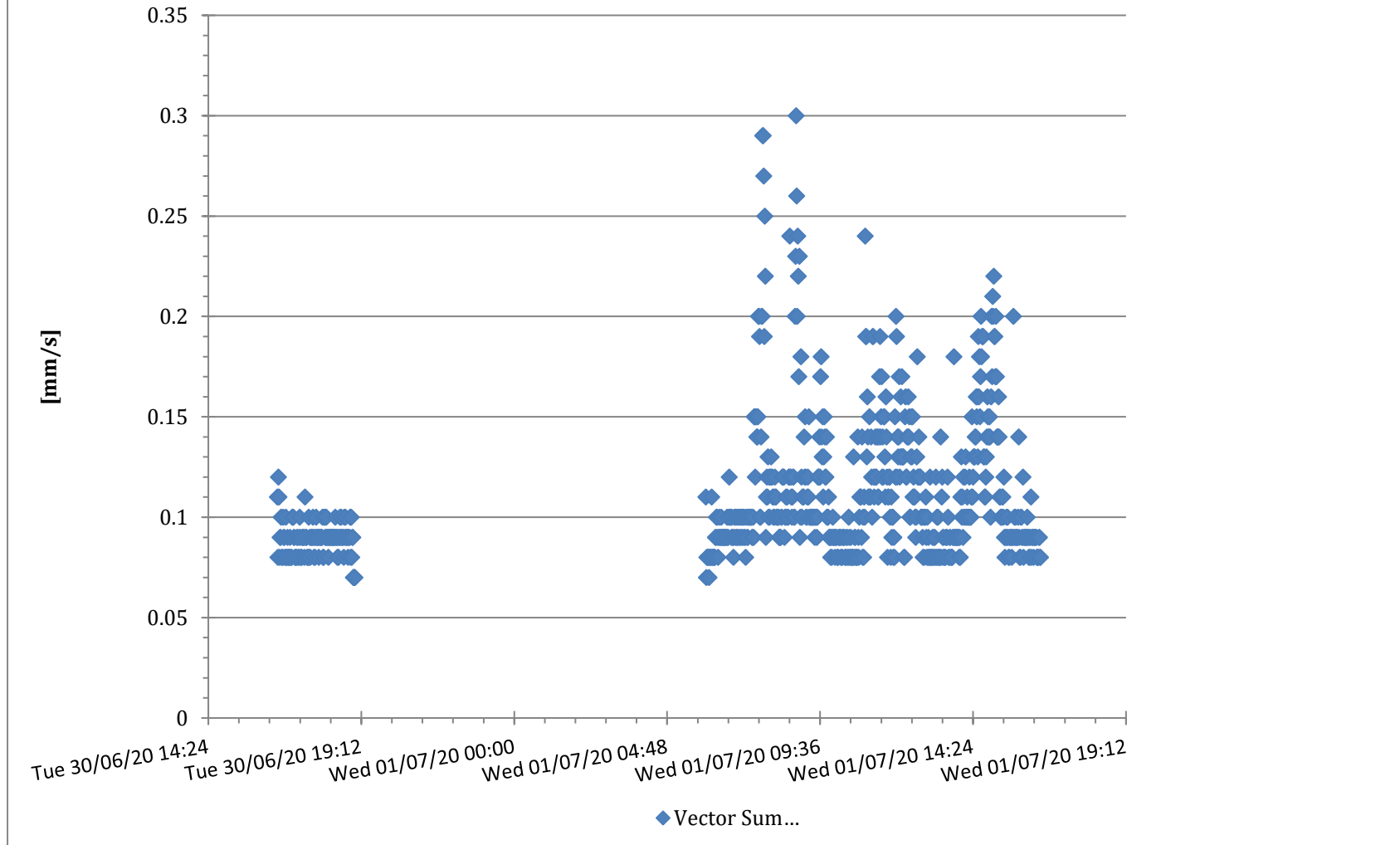


M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

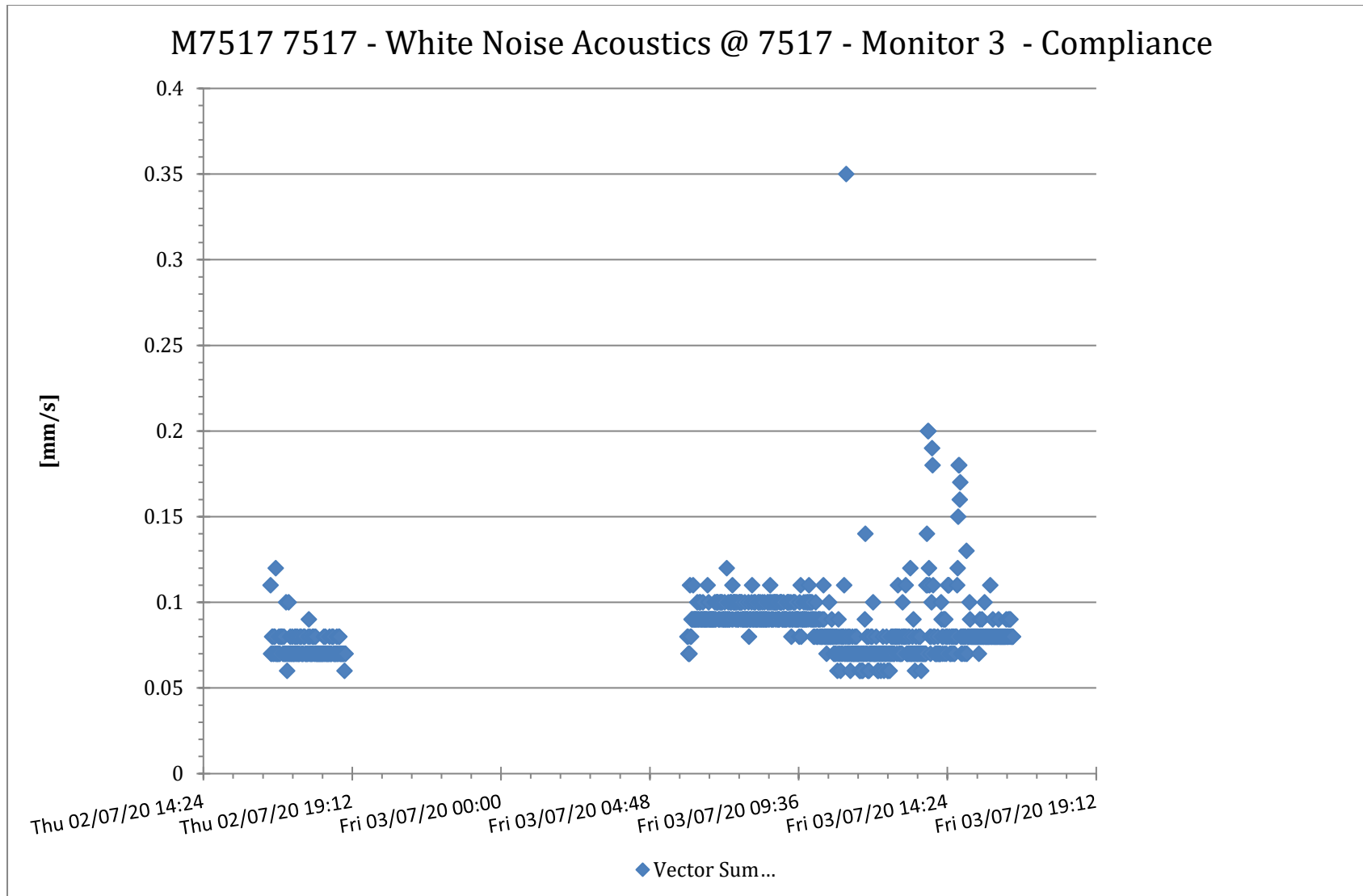


11 Appendix E –Logger Location 4 – Monitor M7517

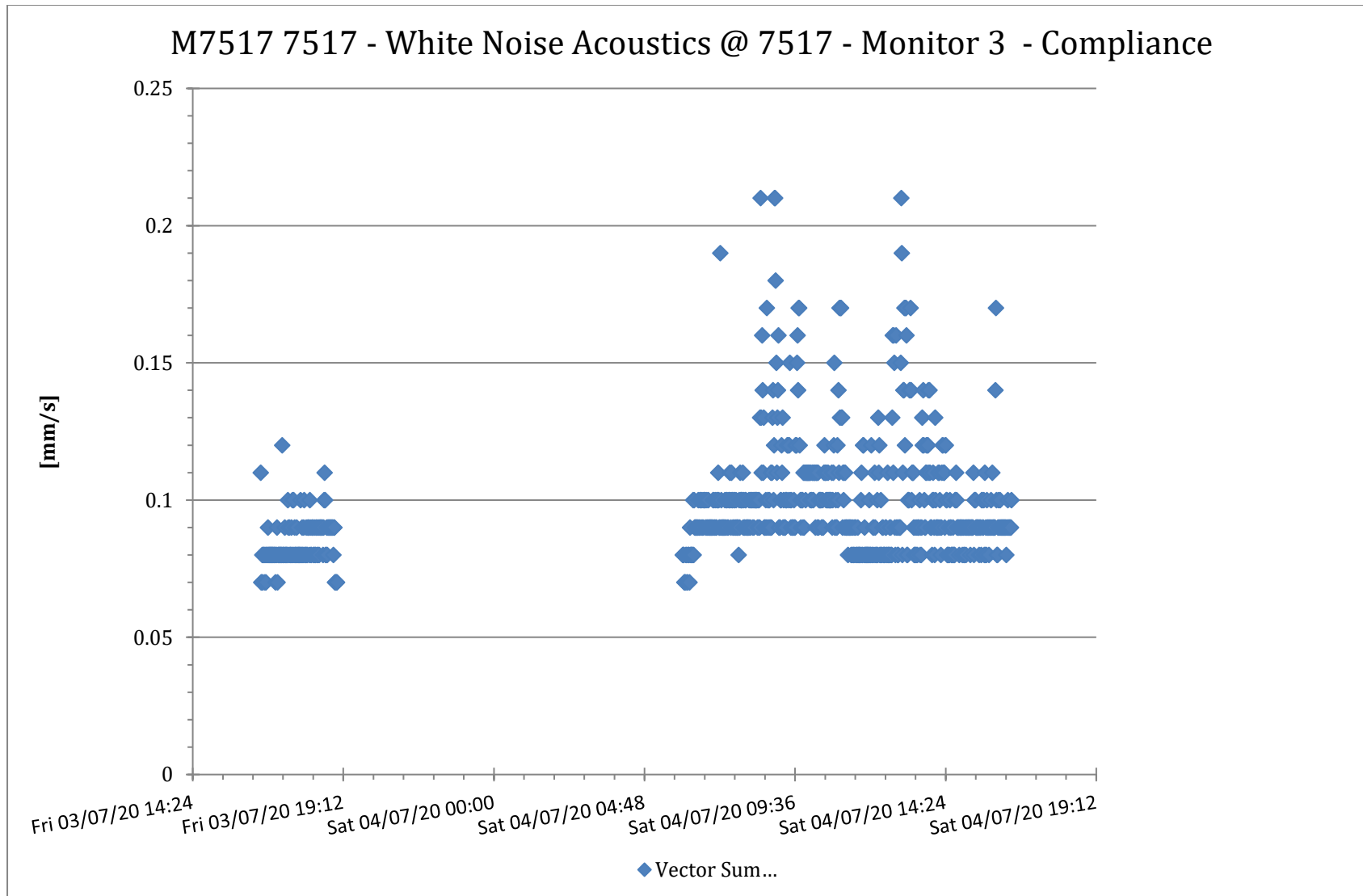
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



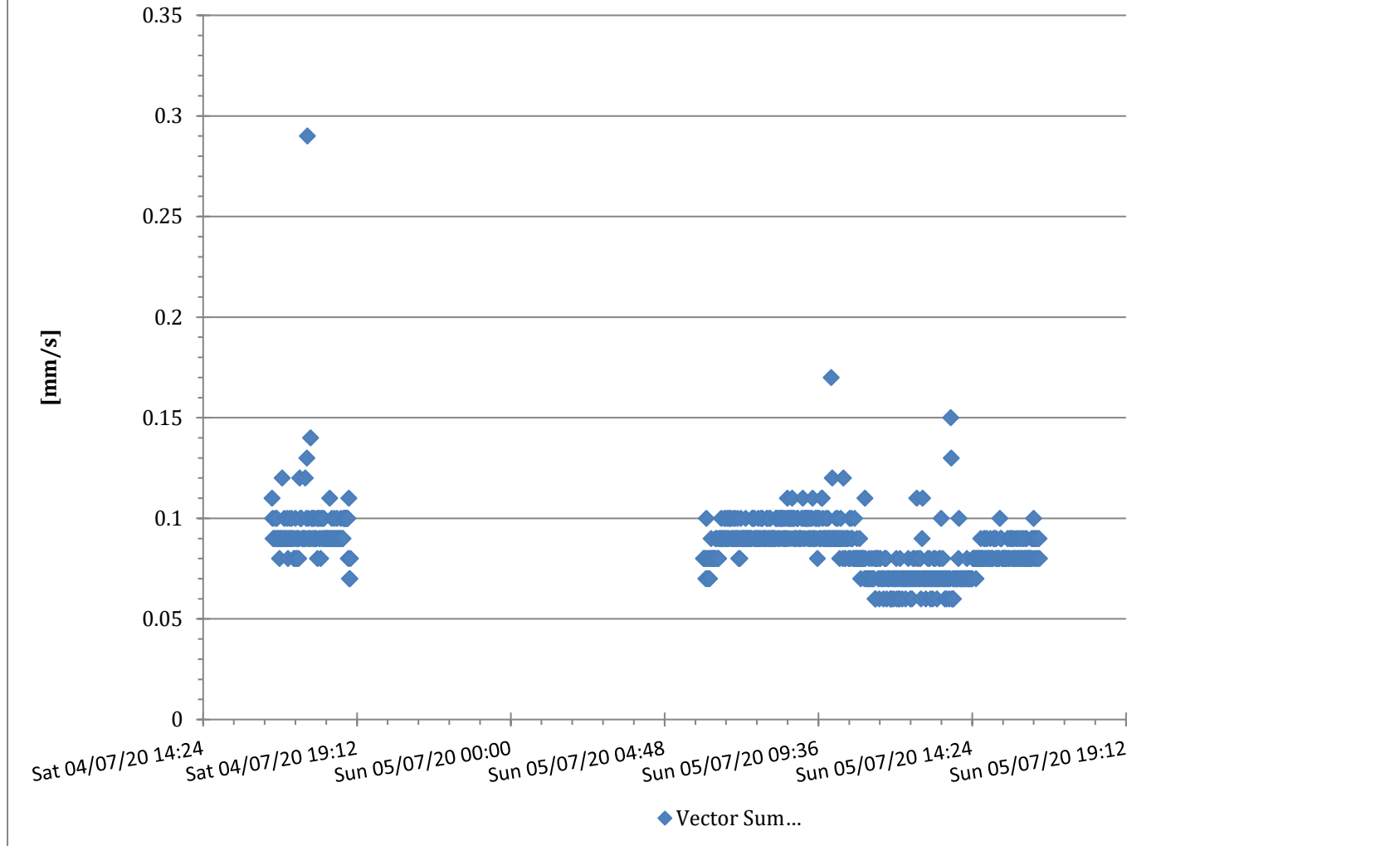
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



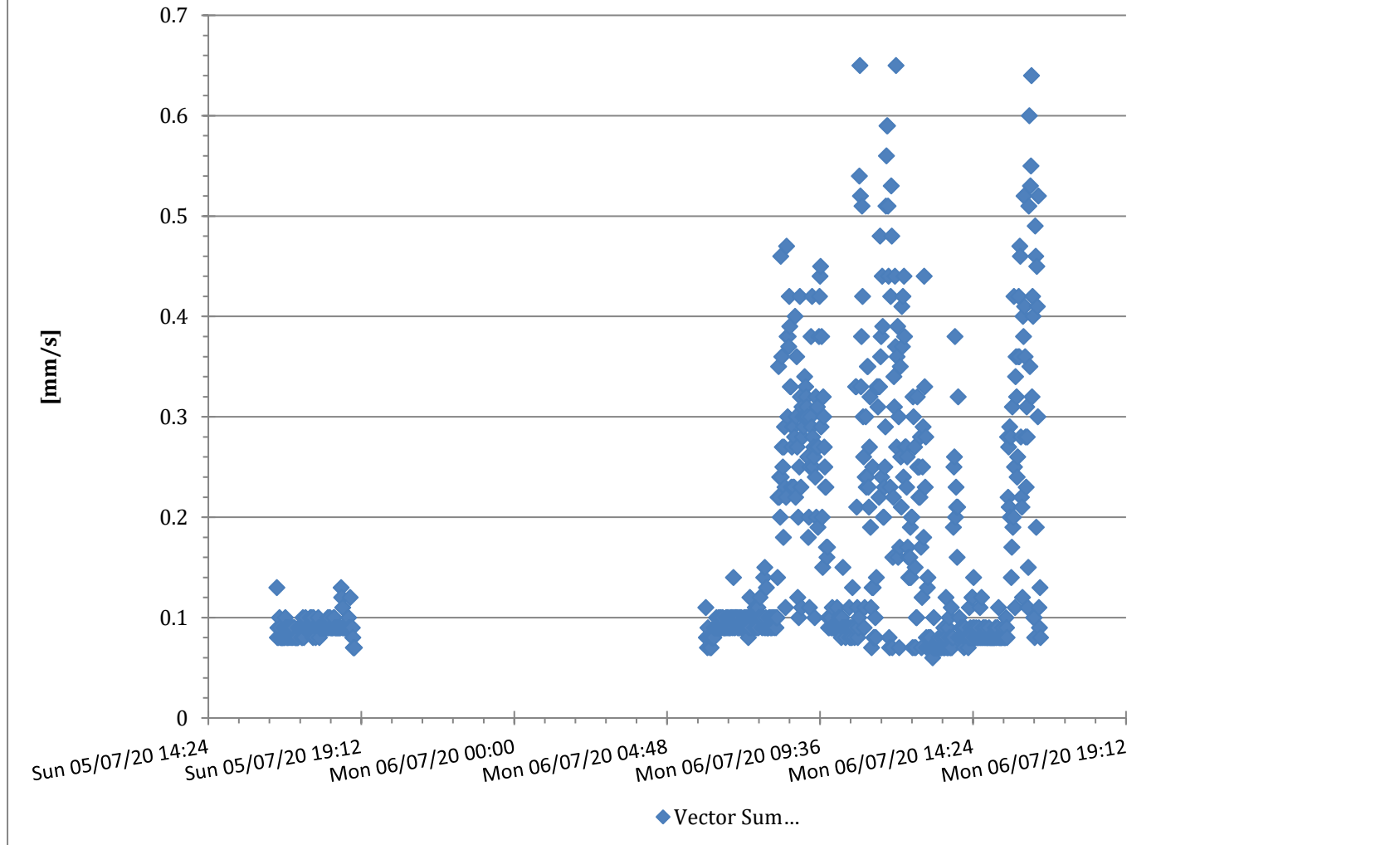
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



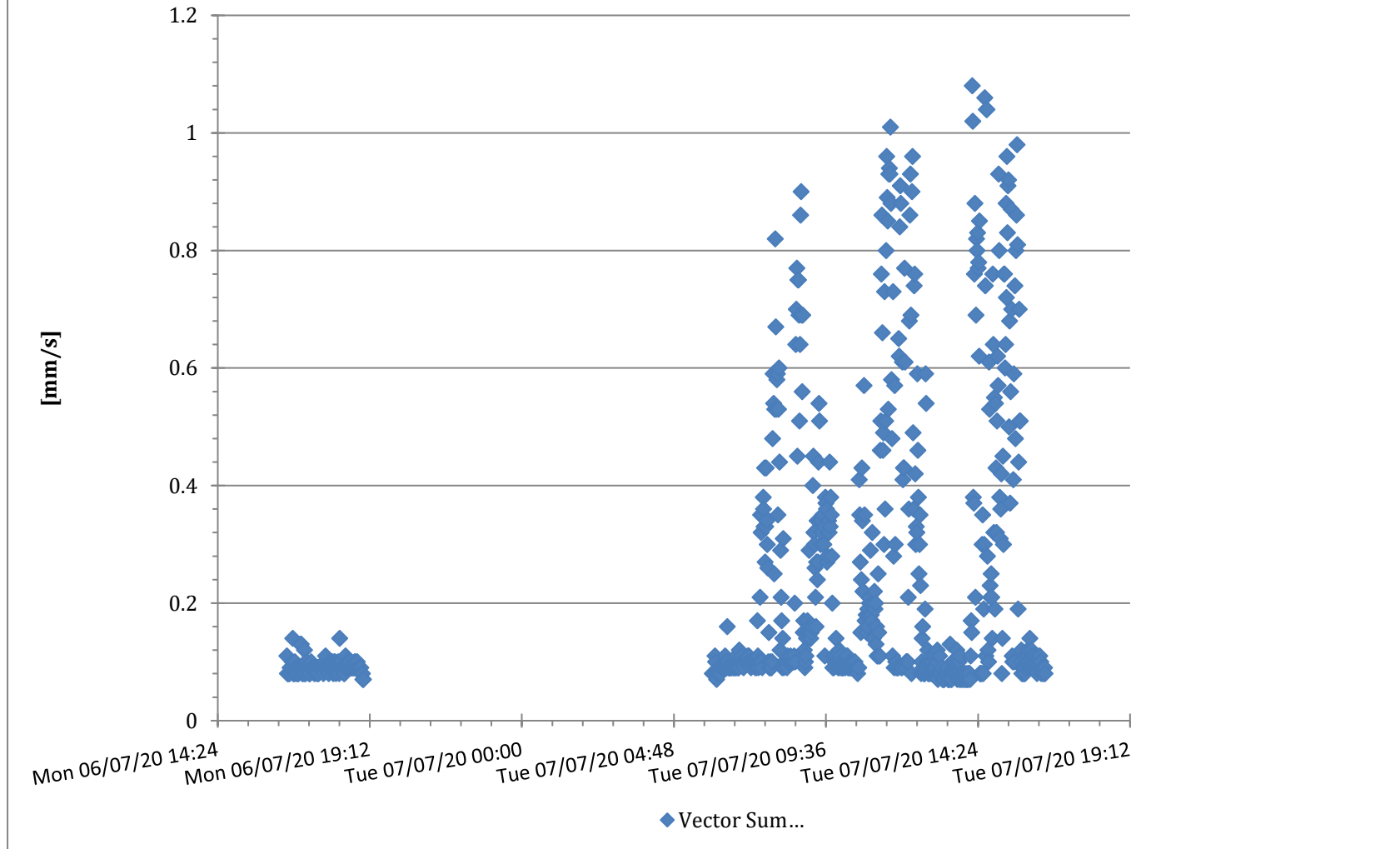
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



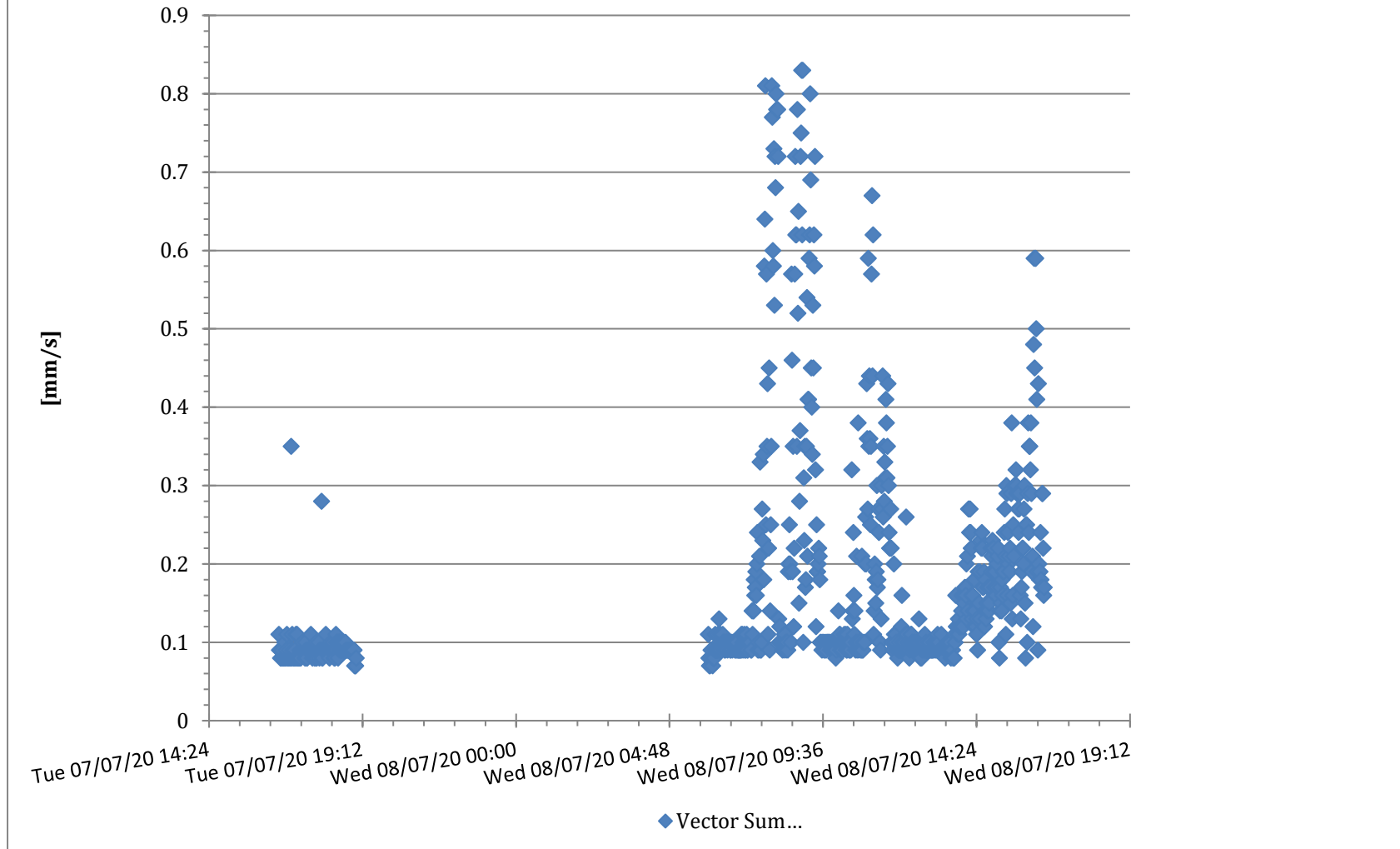
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



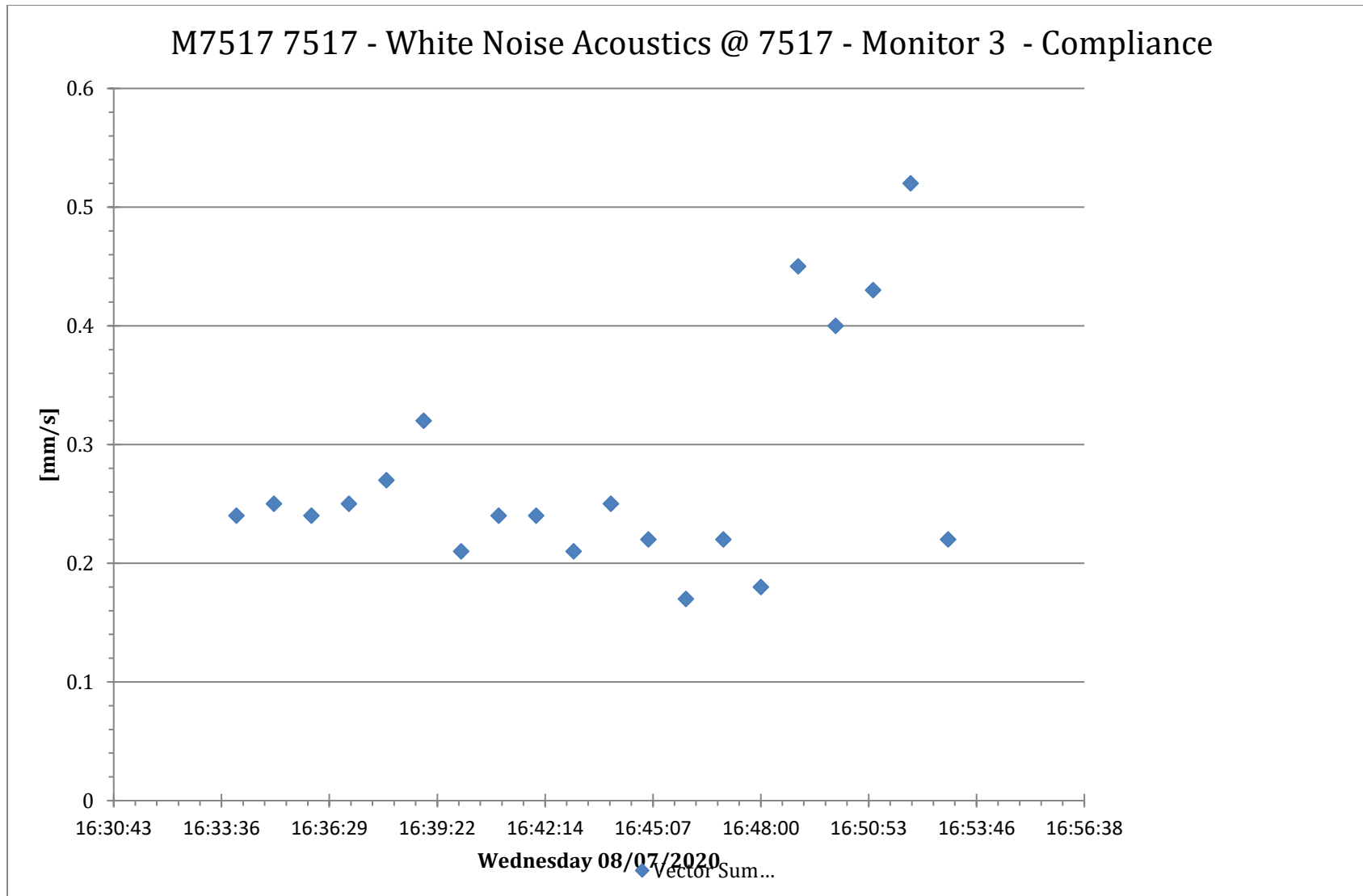
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



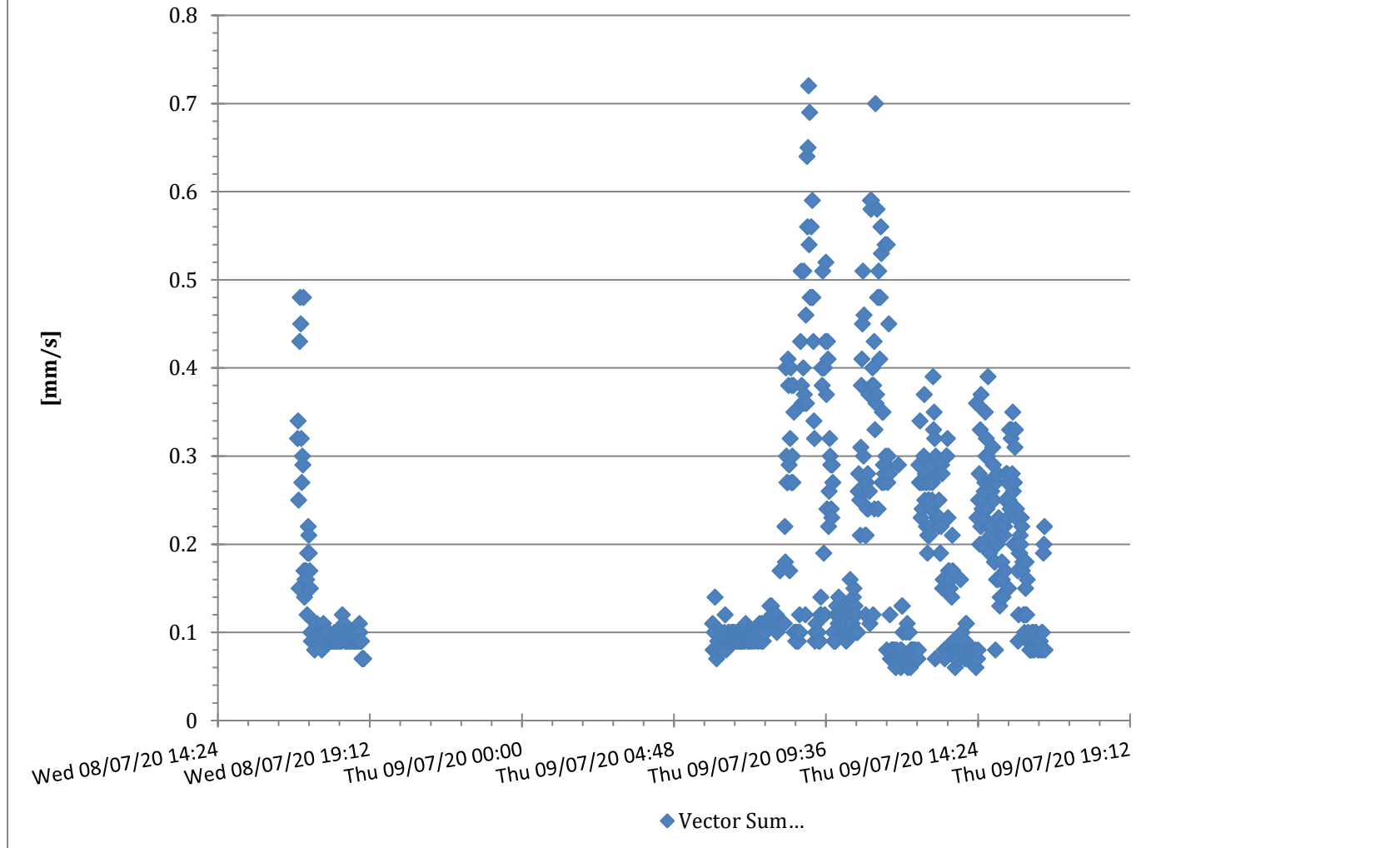
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



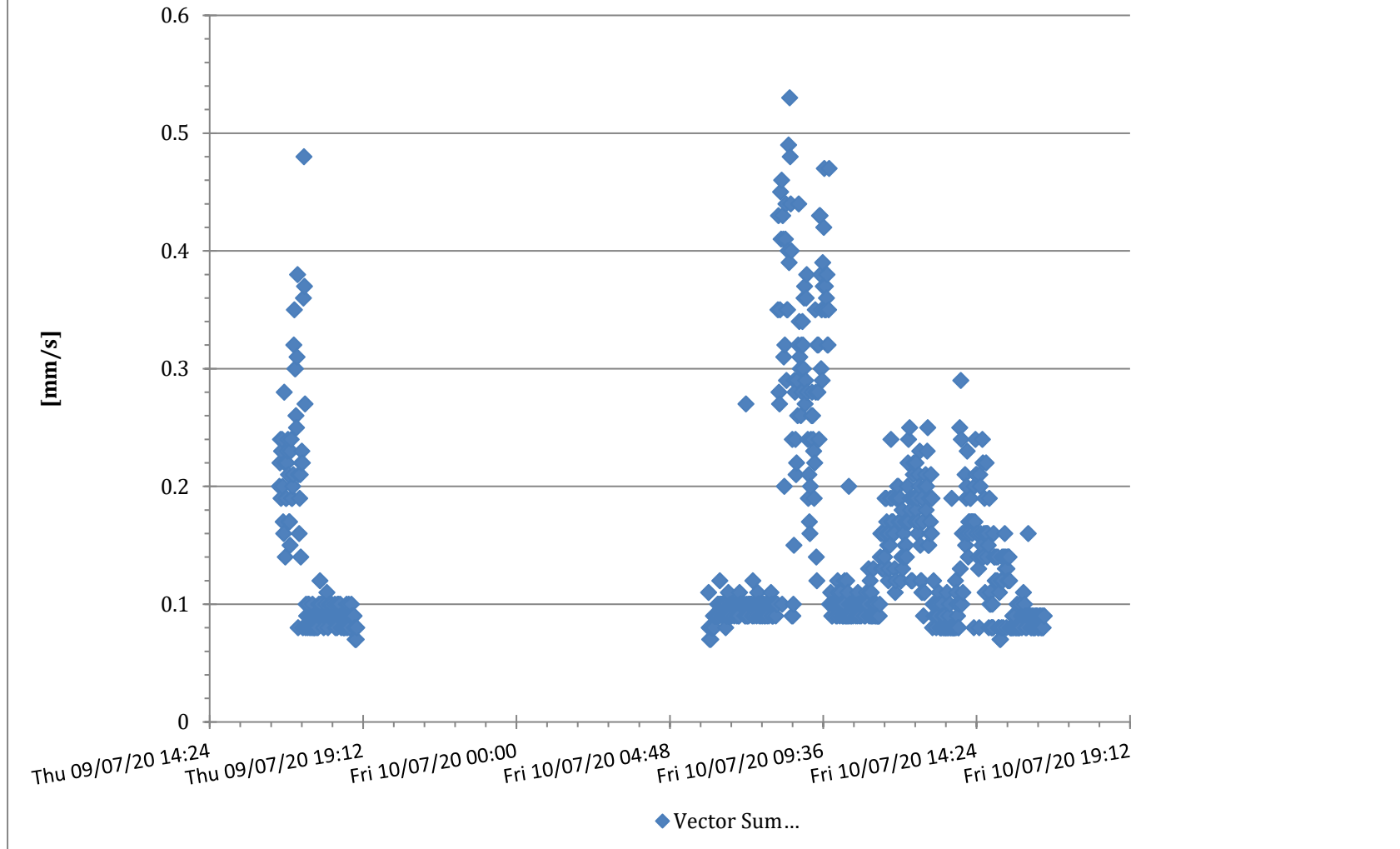
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



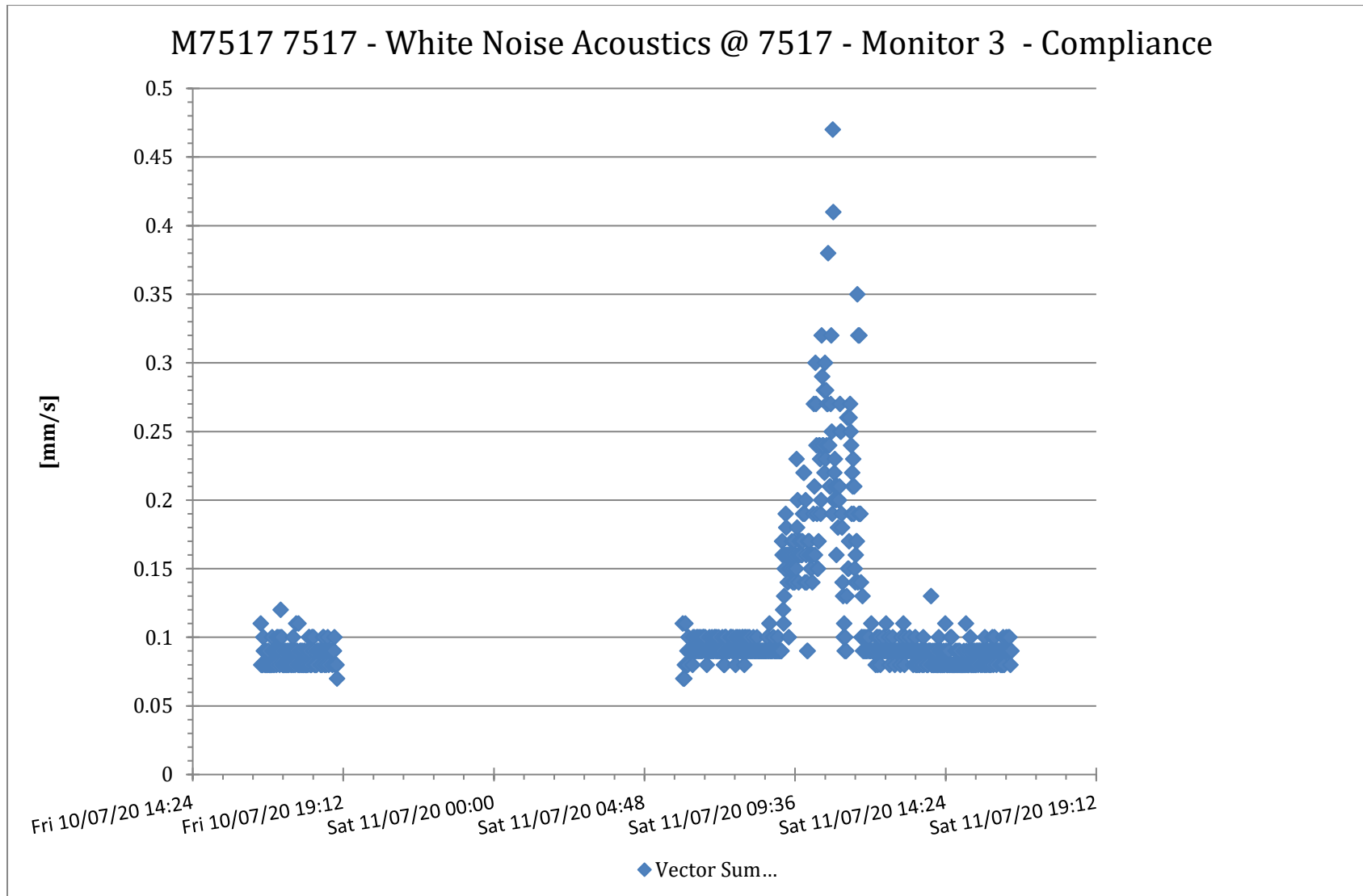
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



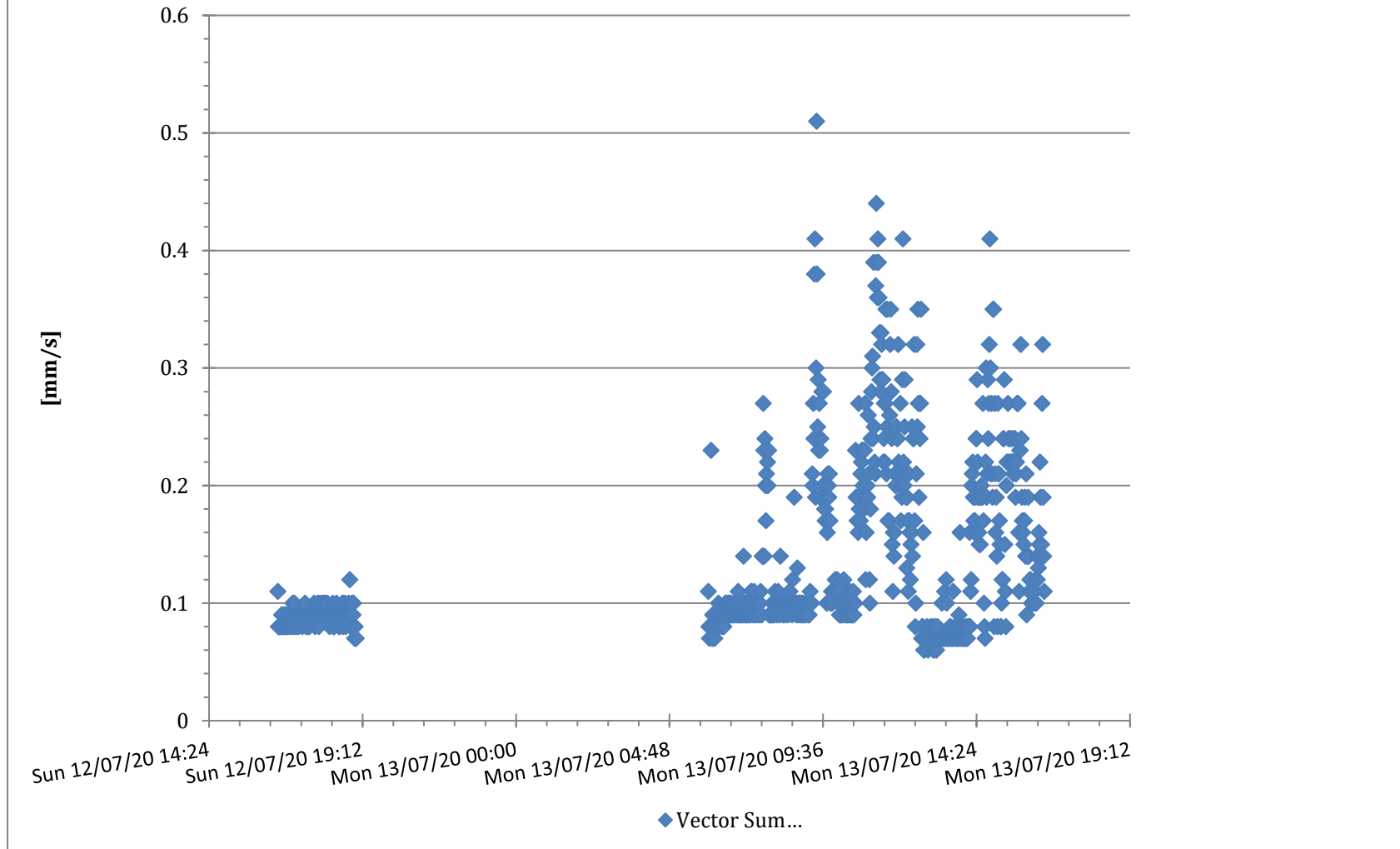
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



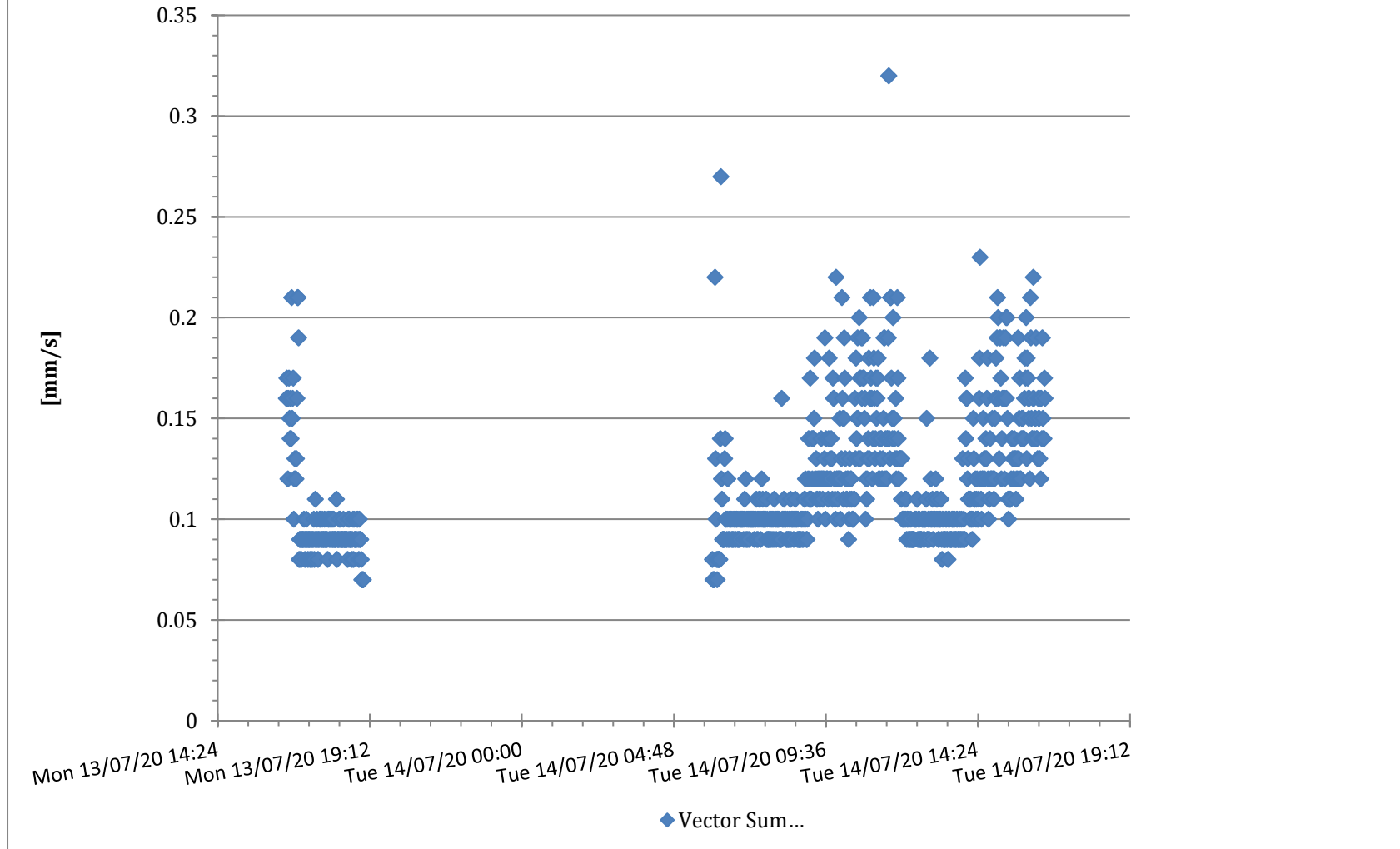
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



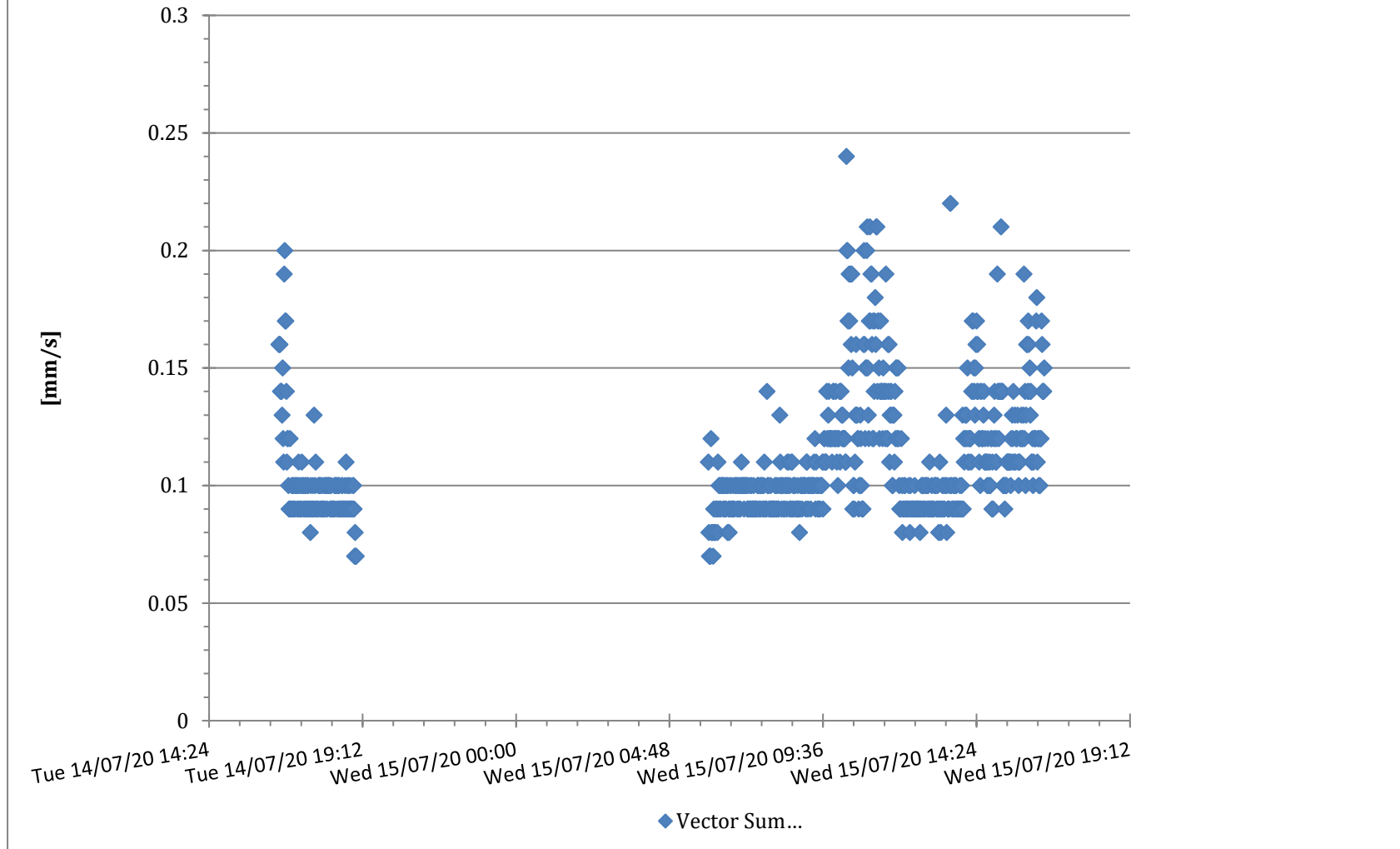
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



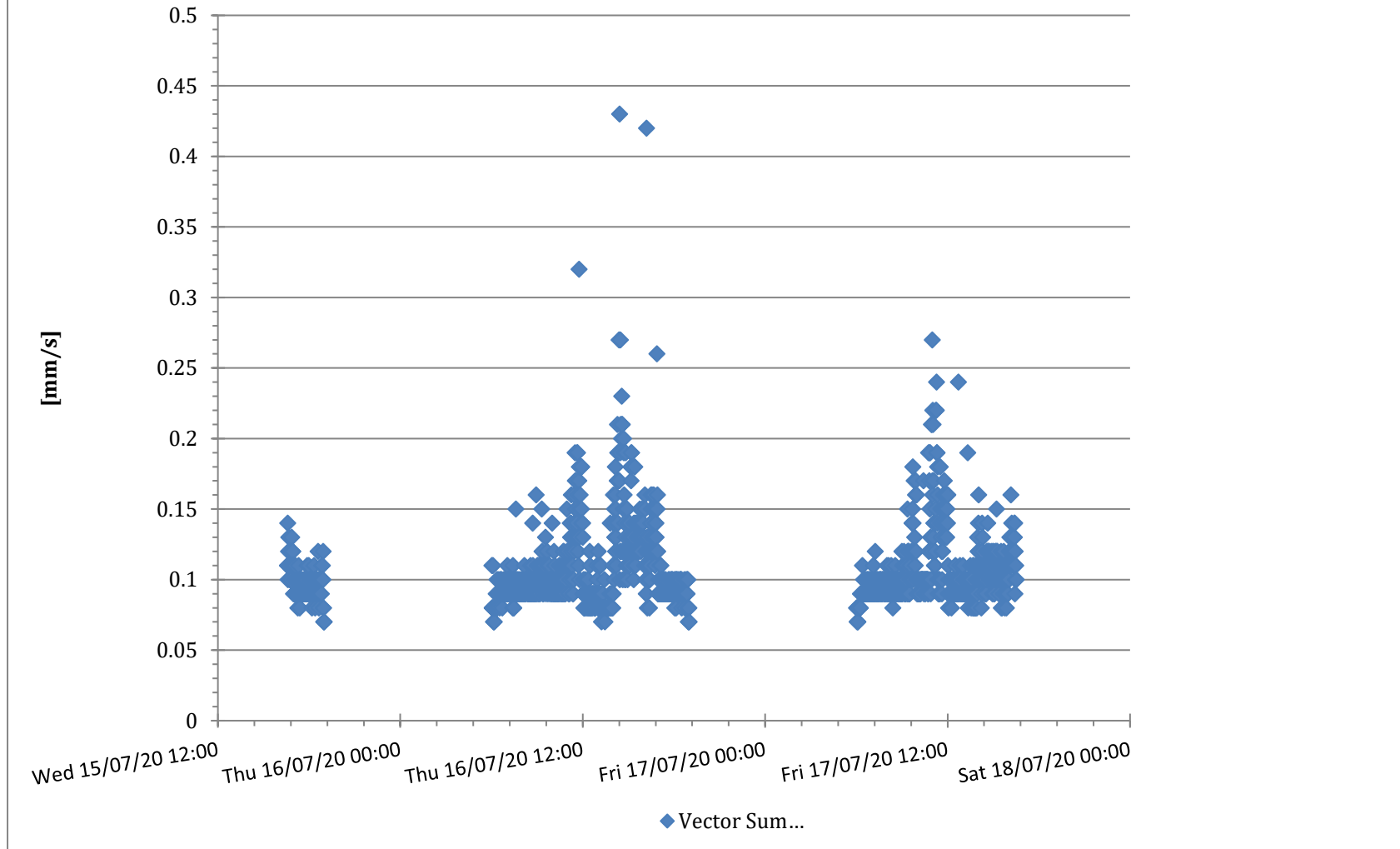
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



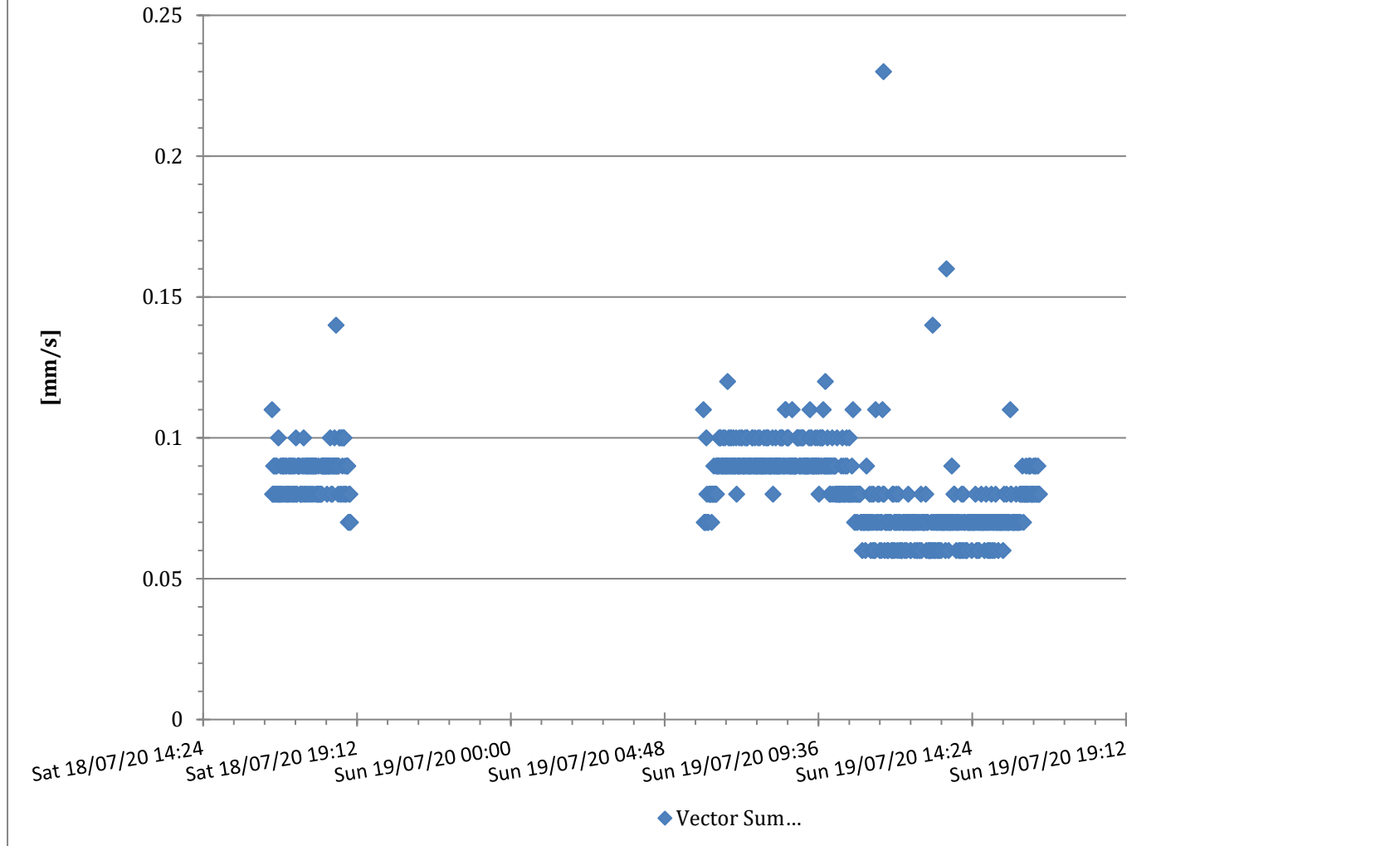
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



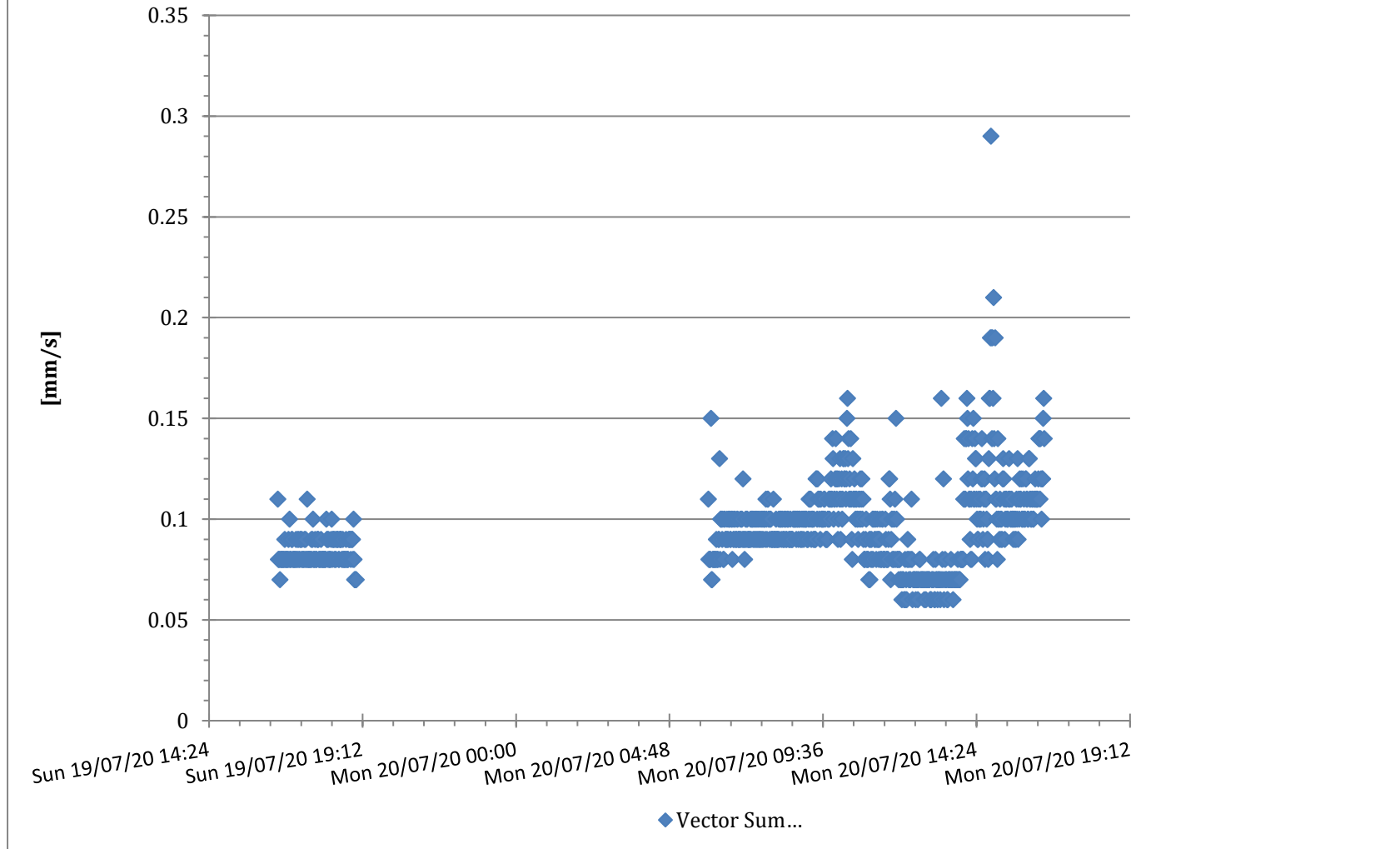
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



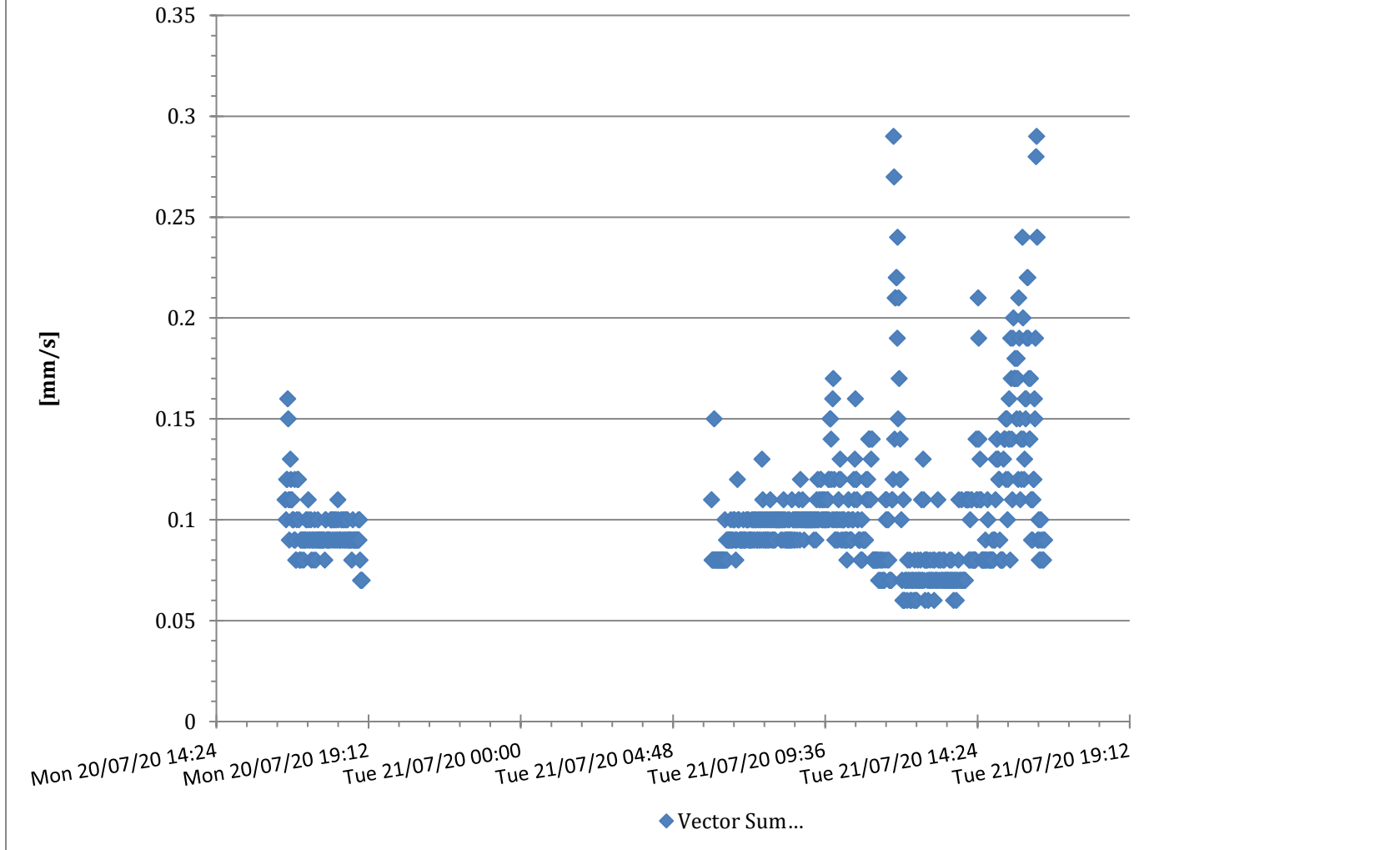
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



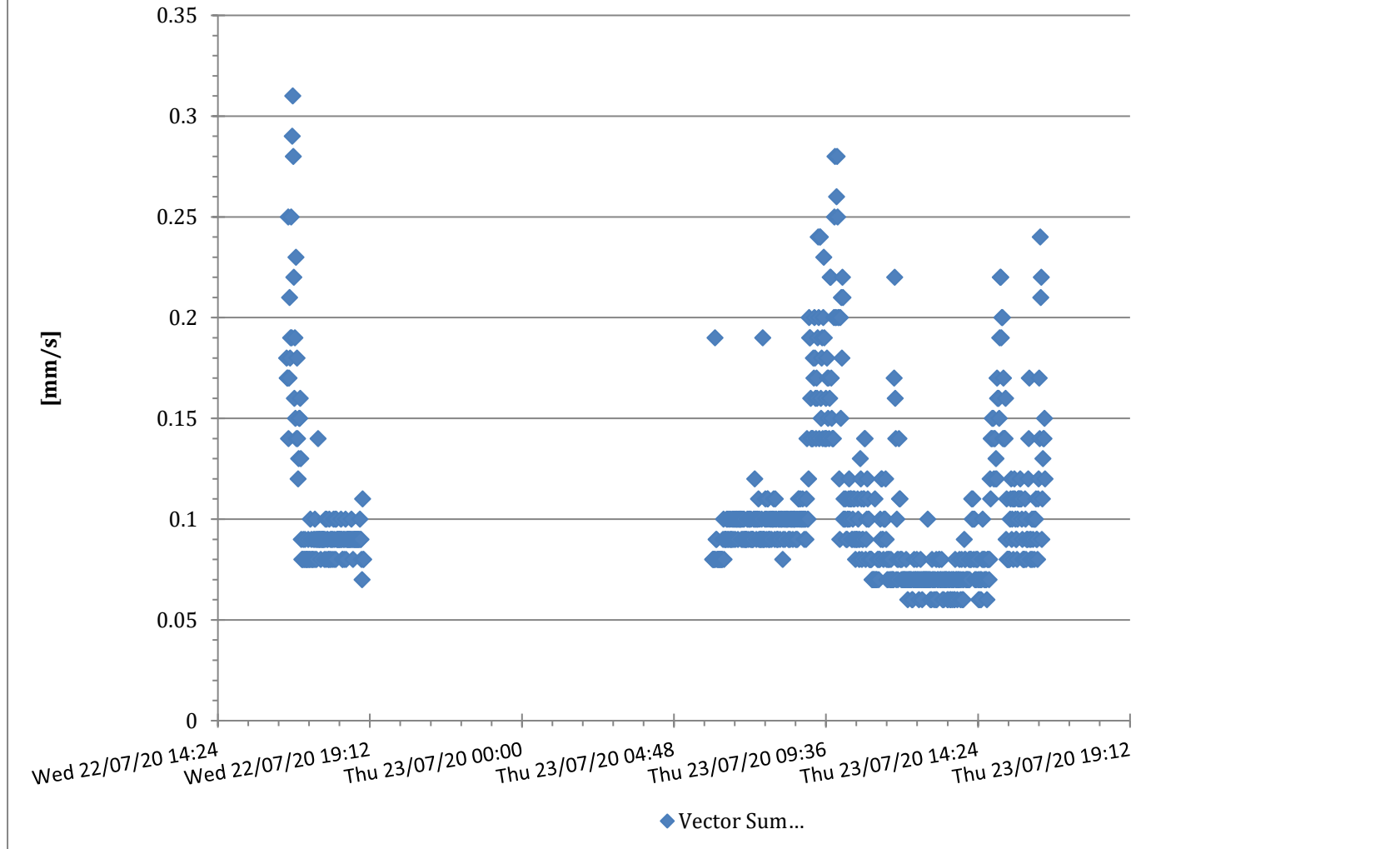
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



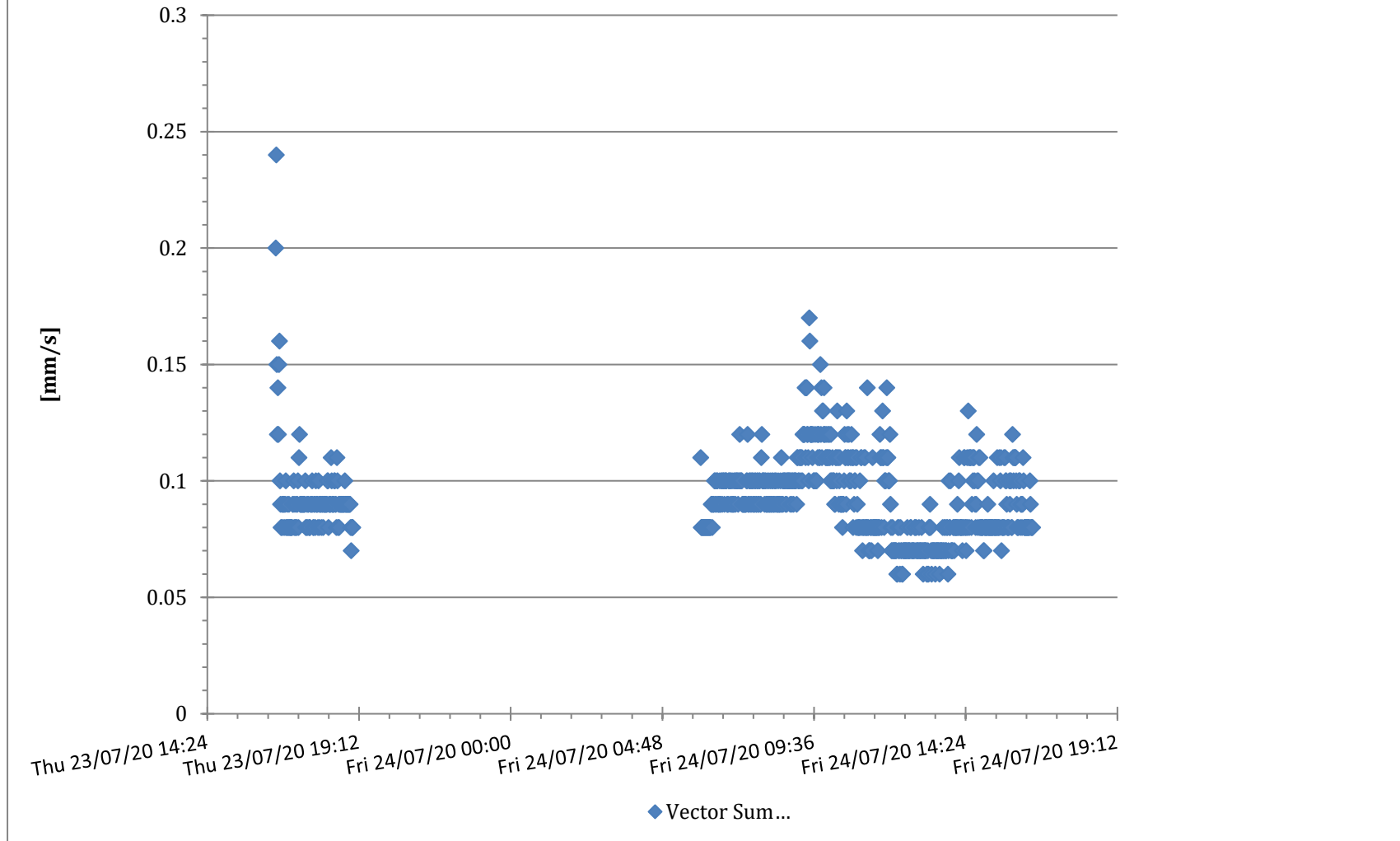
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



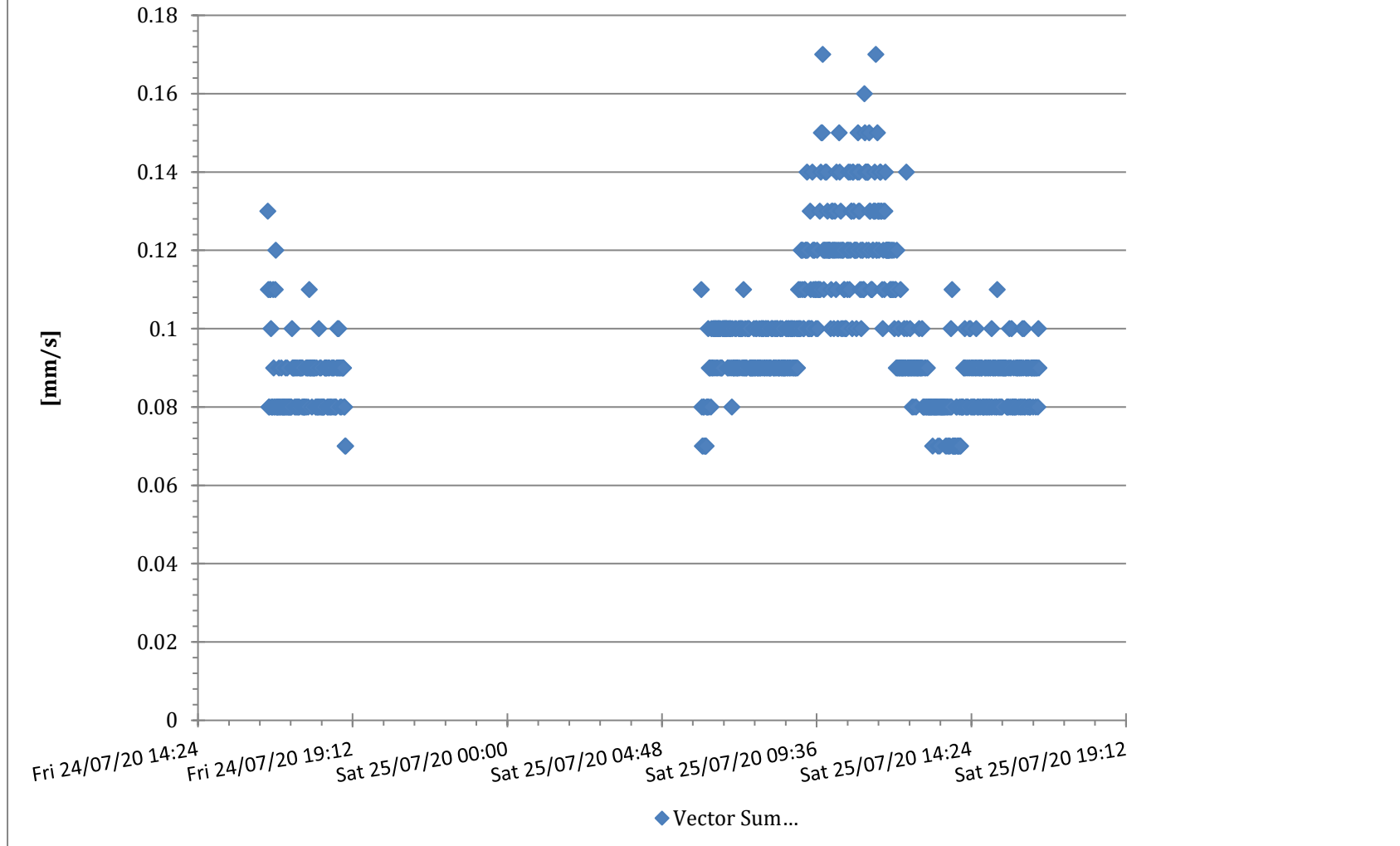
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



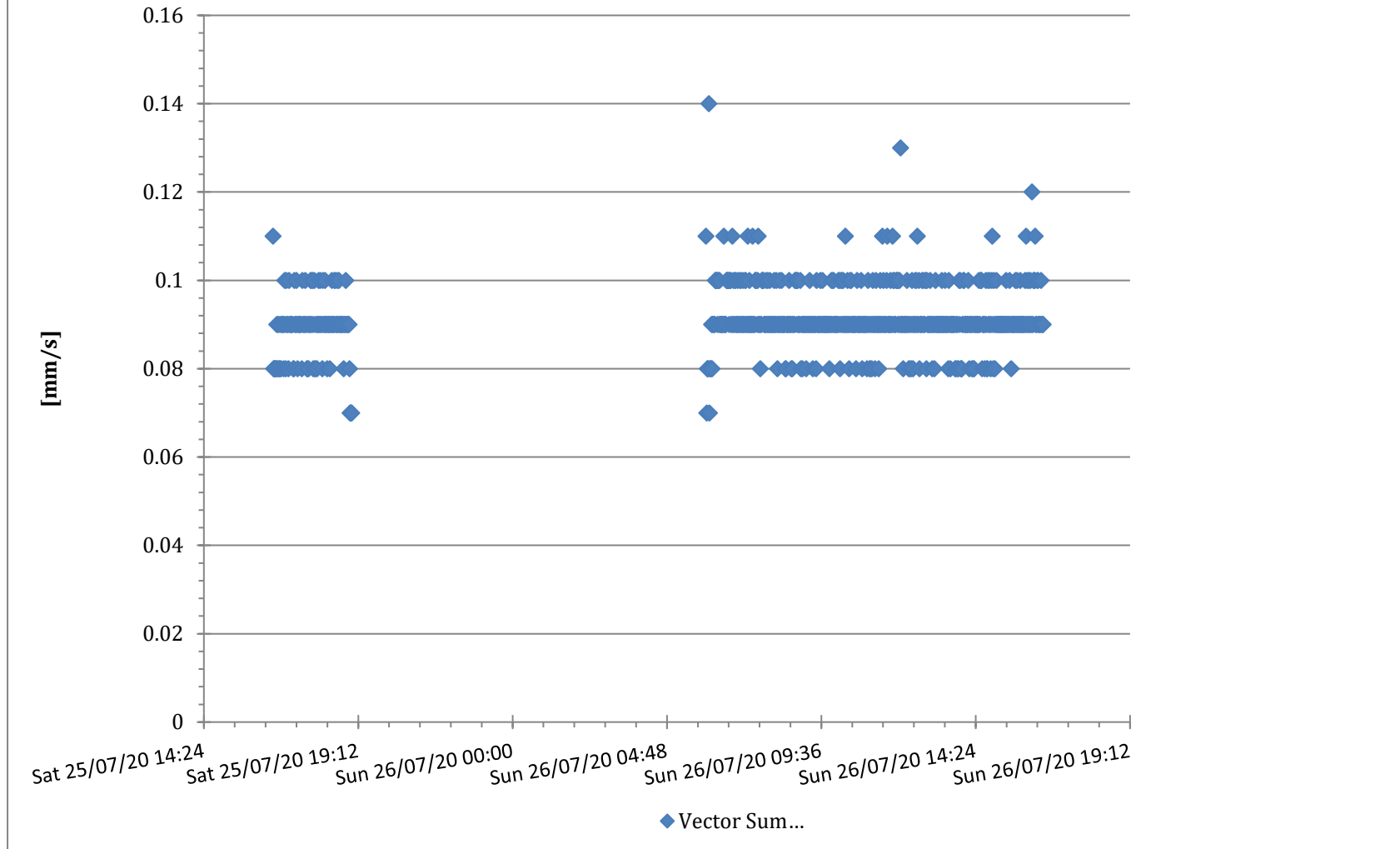
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



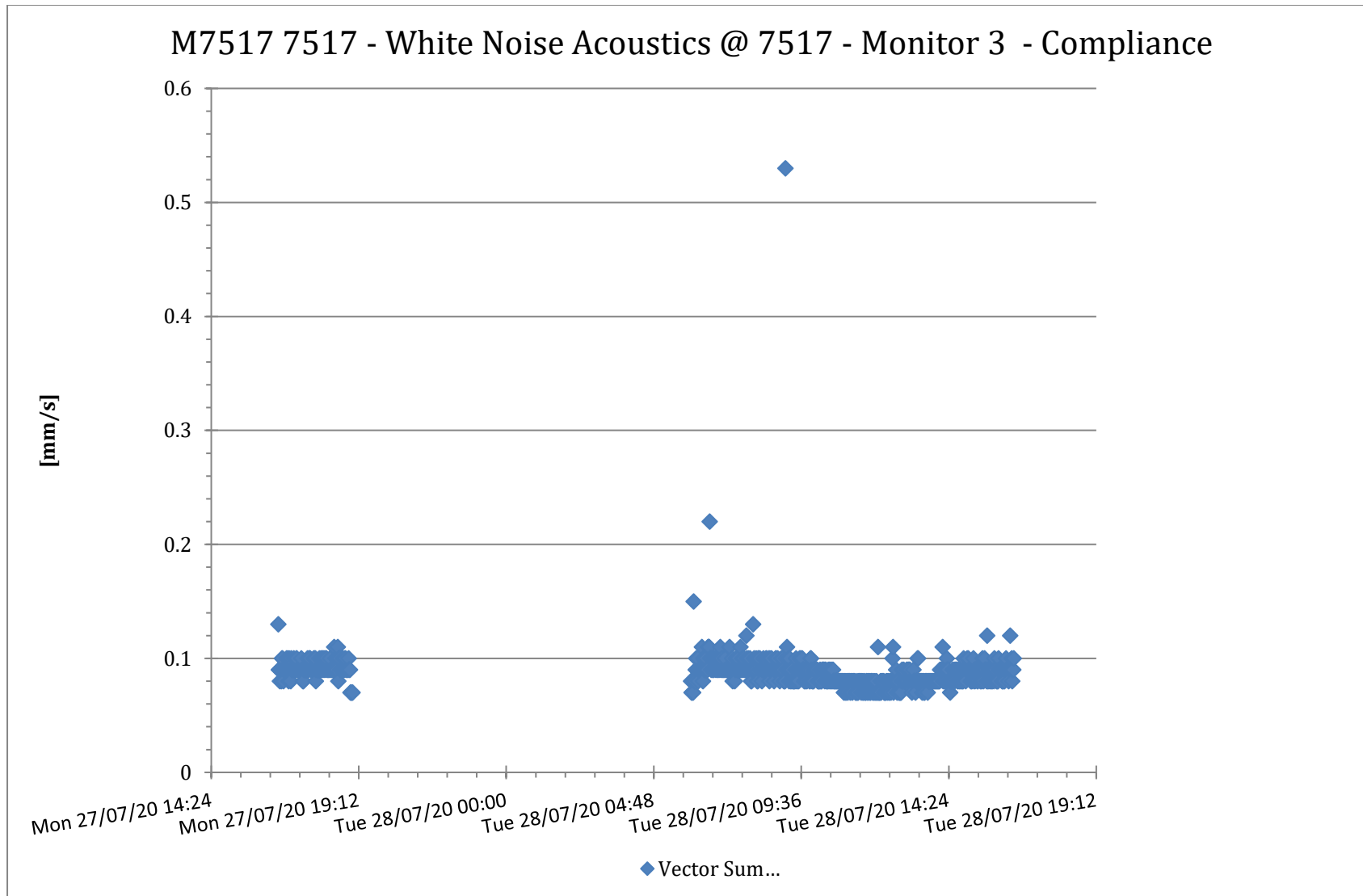
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



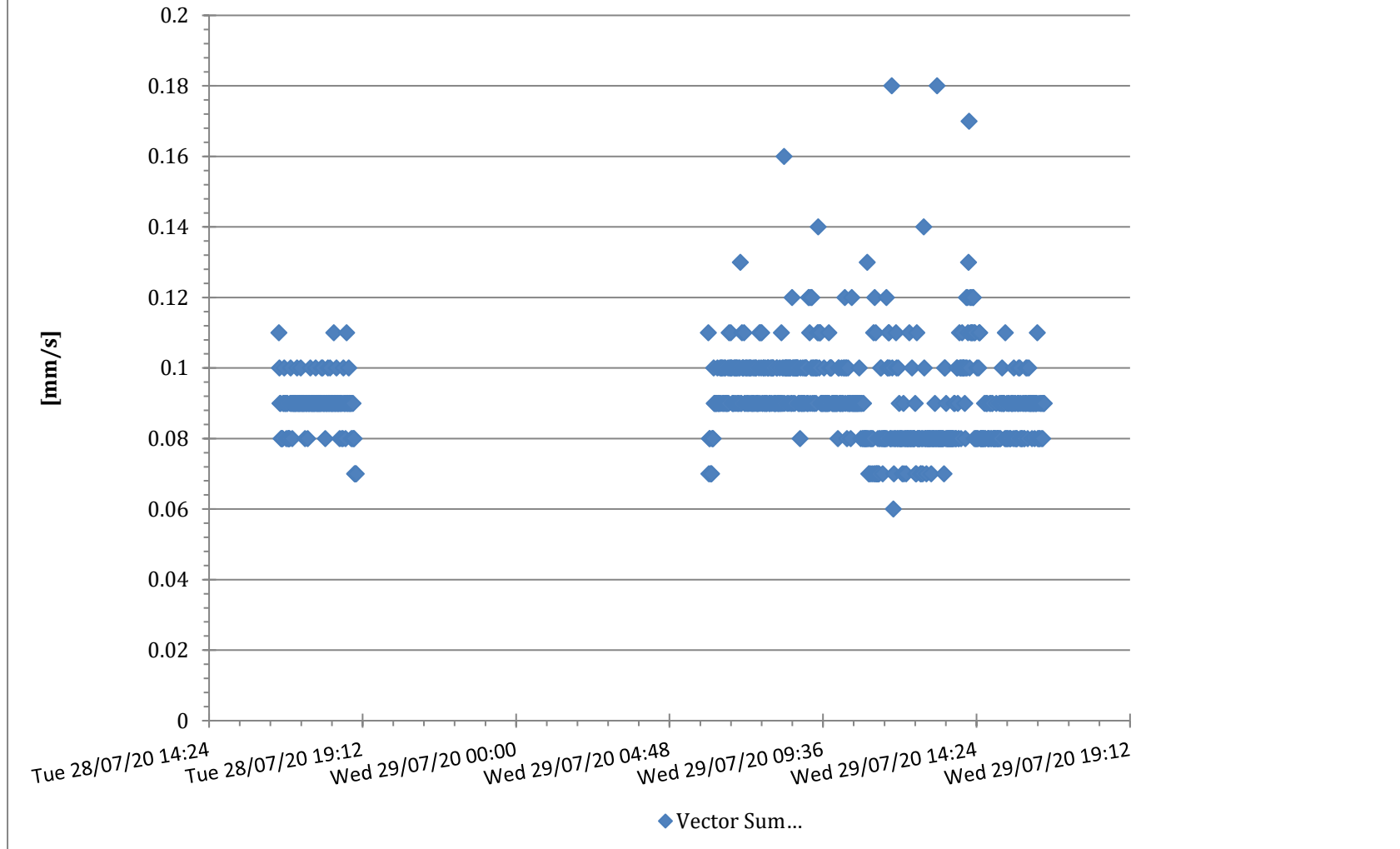
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



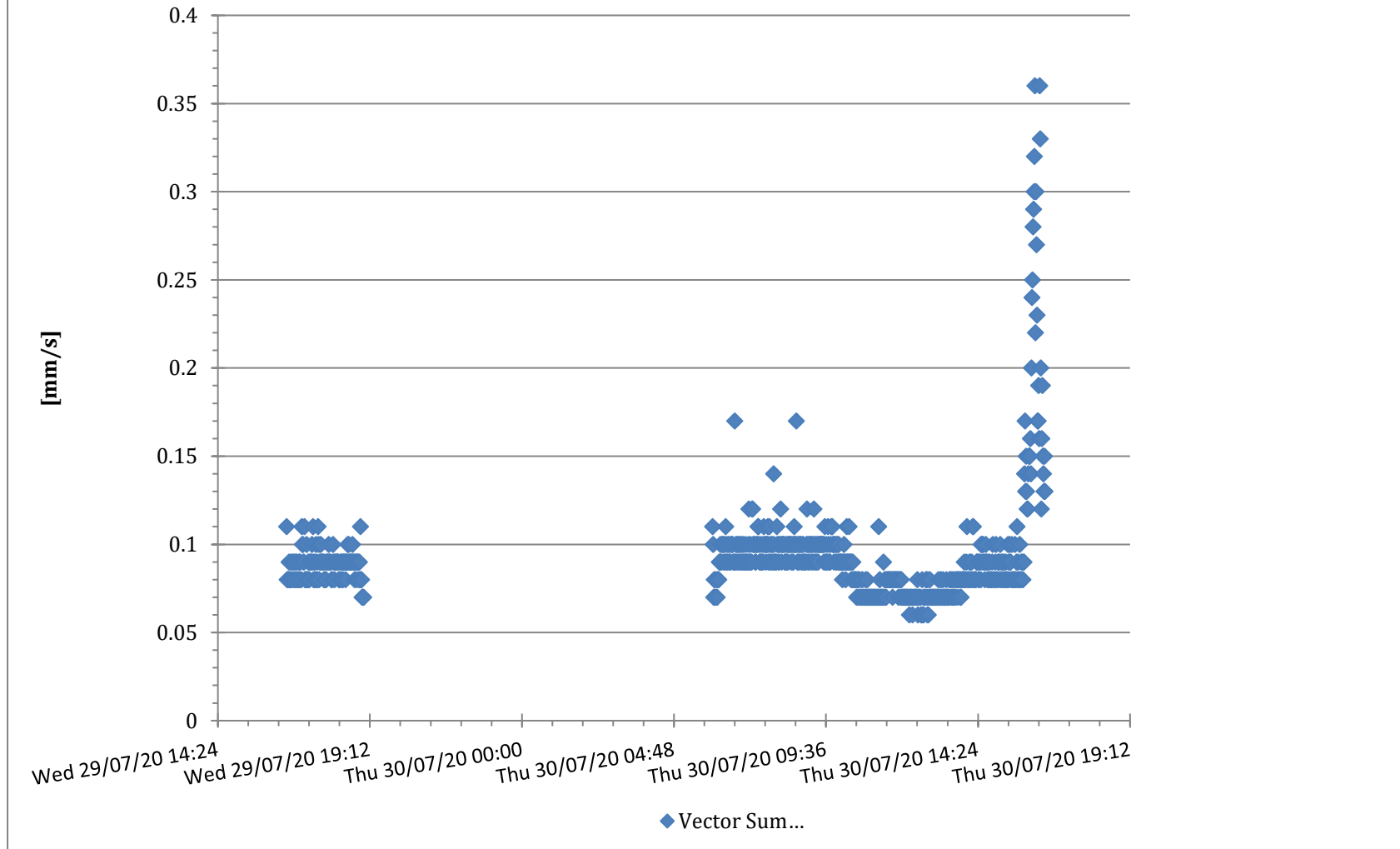
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



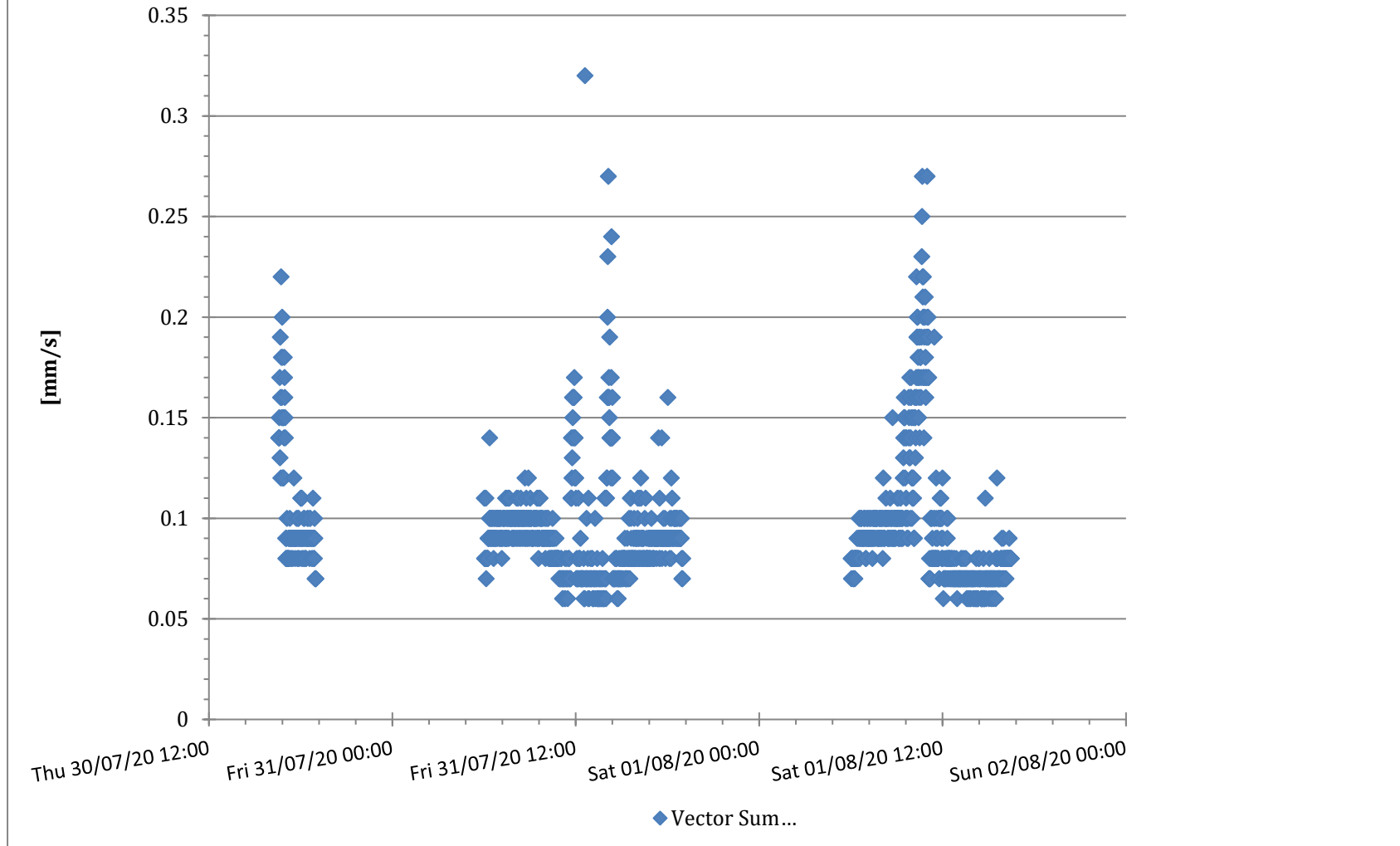
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



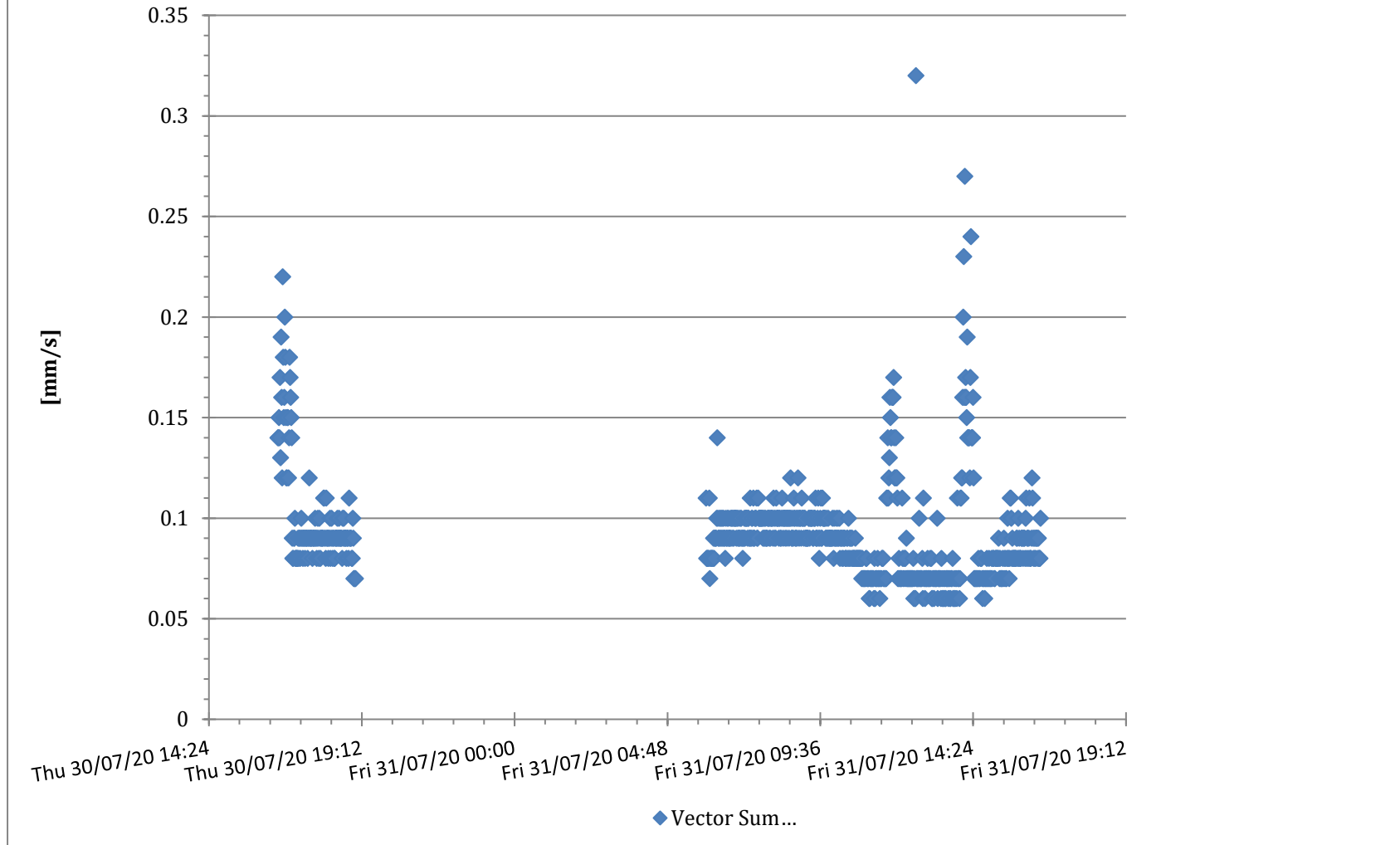
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



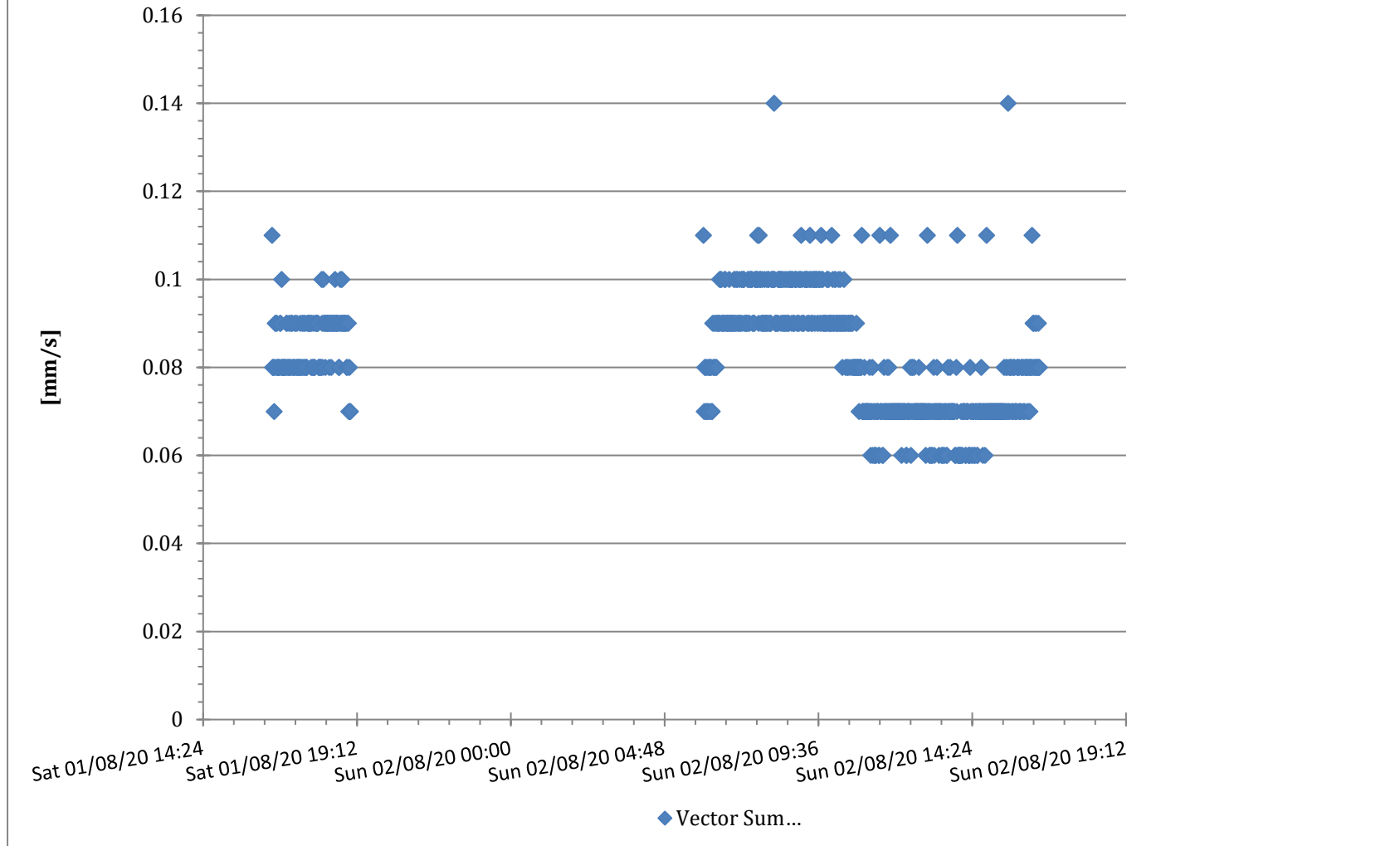
M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

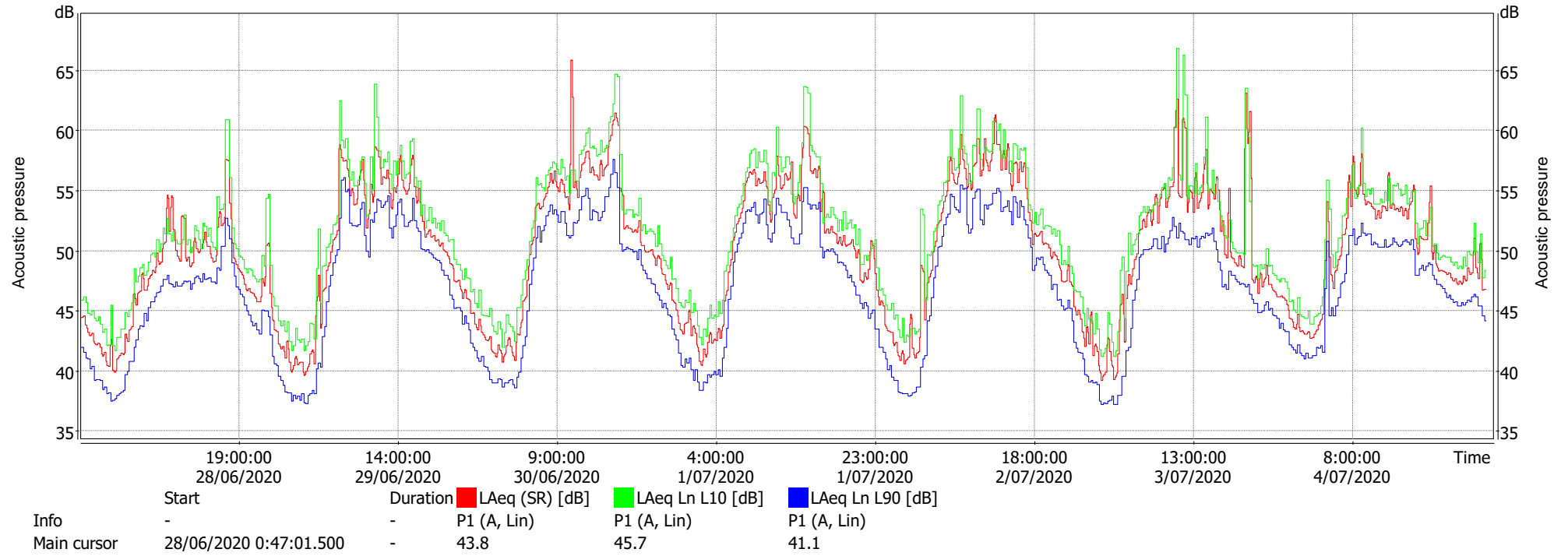


M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

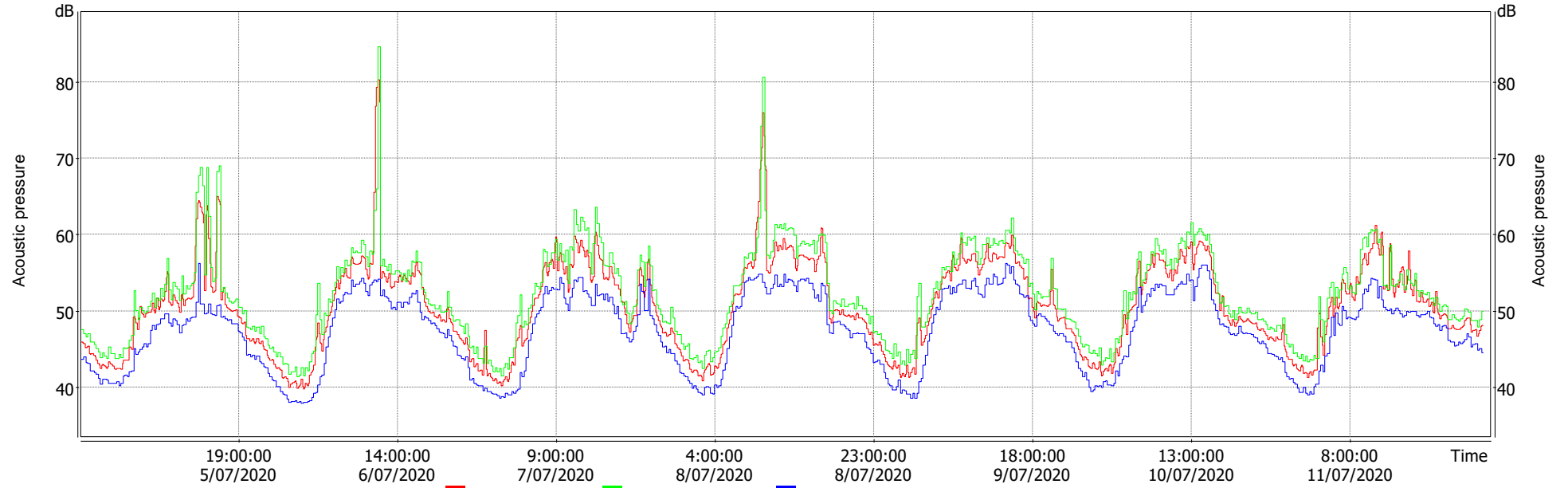


12 Appendix F – Noise Logger Location 1 – Art Gallery

Logger results, logger step = 05:57

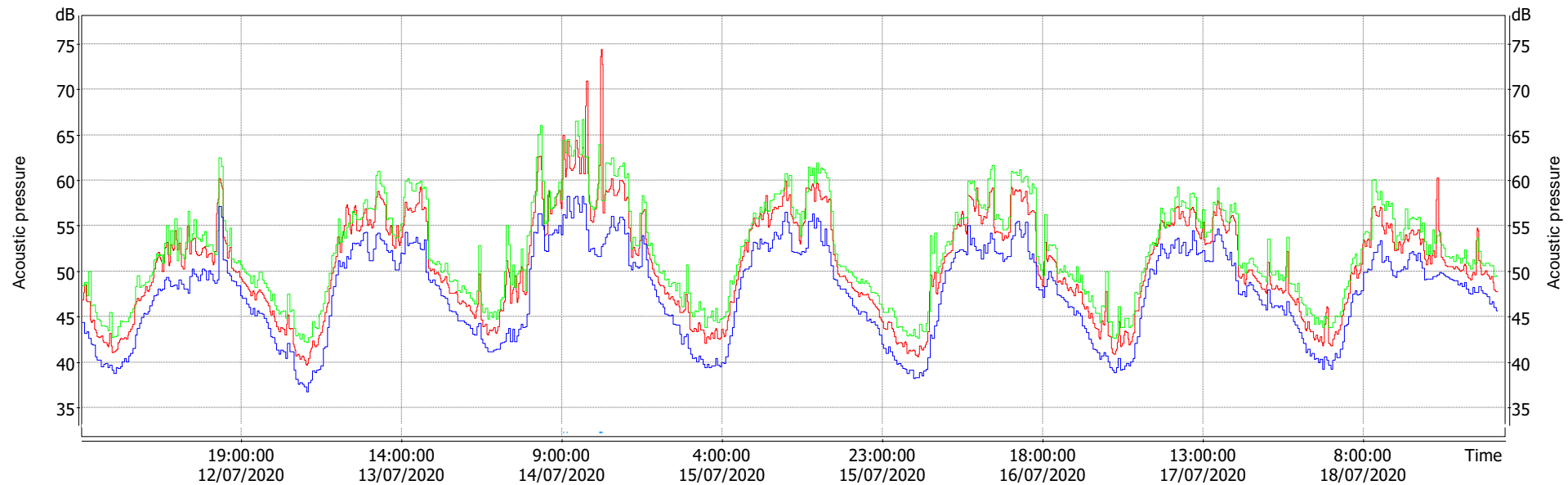


Logger results, logger step = 05:57



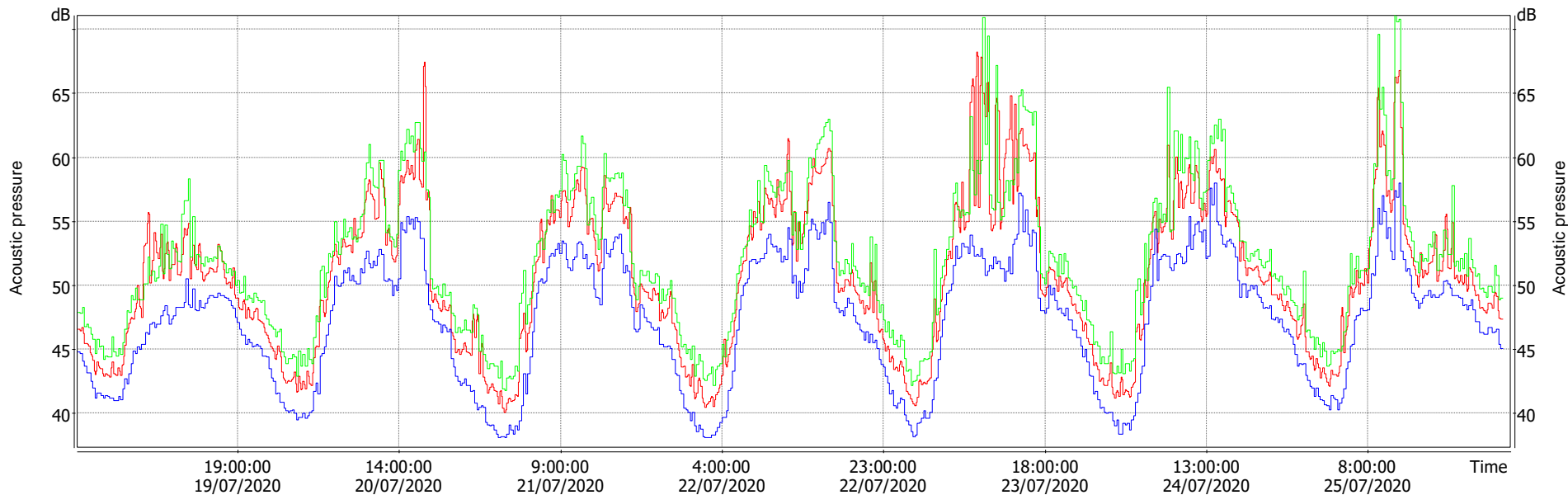
Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
Main cursor	5/07/2020 0:53:24.200	-	45.3	46.6	43.3

Logger results, logger step = 05:57



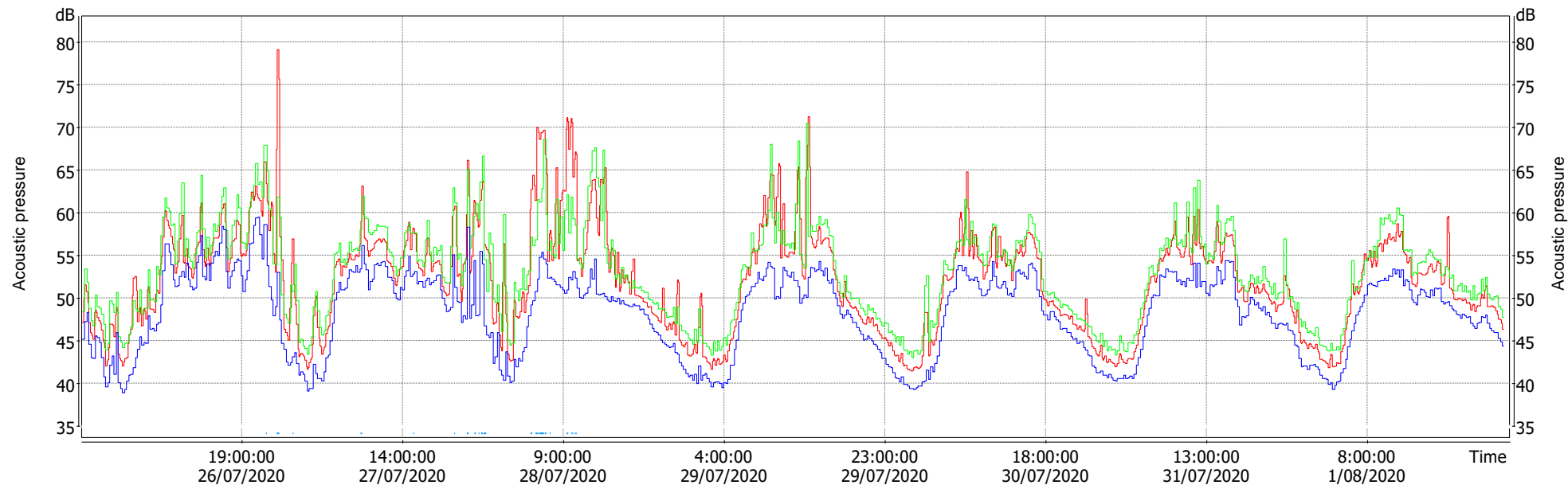
Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
	-	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	12/07/2020 0:29:42.600	-	48.5	48.8	43.2
Overload (TH)	14/07/2020 9:16:09.600	00:00:09.000	-	-	-

Logger results, logger step = 05:56



Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
	19/07/2020	20/07/2020	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	19/07/2020 0:12:07	-	46.6	47.9	44.8

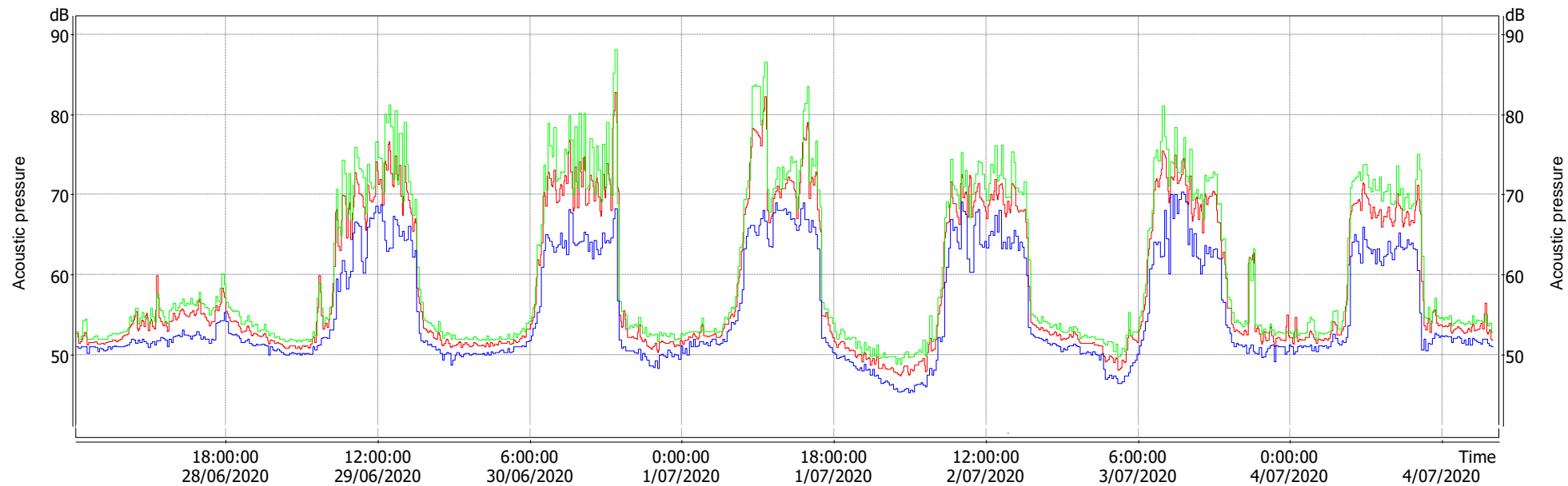
Logger results, logger step = 05:57



Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
-	-	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	26/07/2020 0:36:08.100	-	51.5	53.4	47.3
Overload (TH)	26/07/2020 21:50:49.100	00:02:28.000	-	-	-

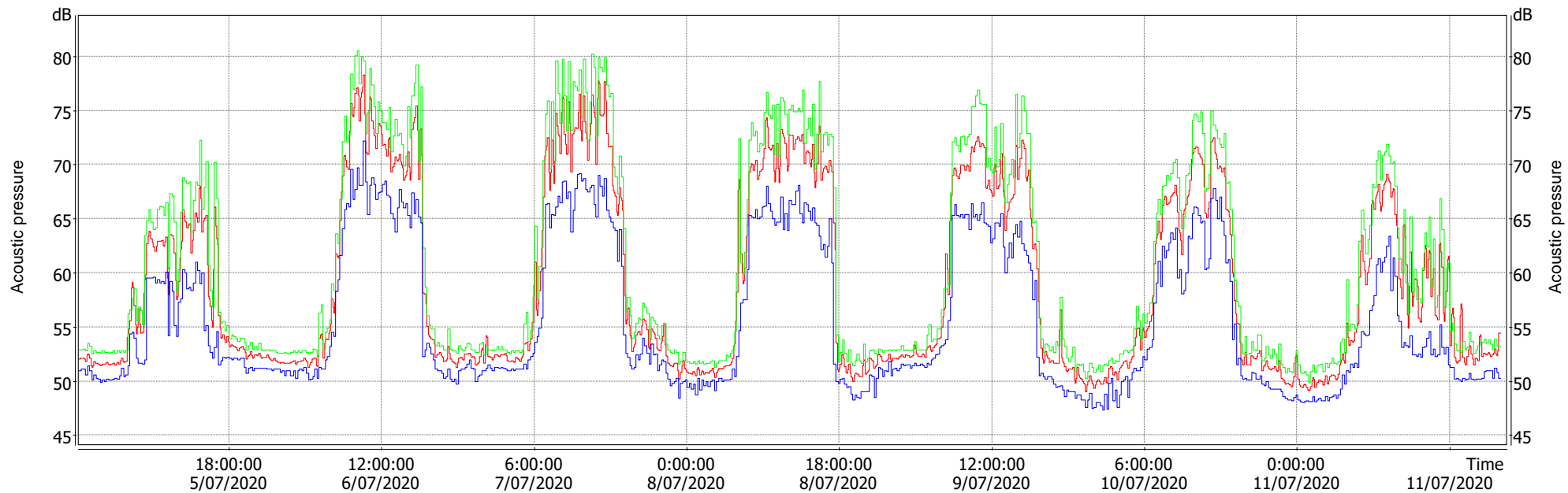
13 Appendix G – Noise Logger Location 2 – To the North East

Logger results, logger step = 05:57



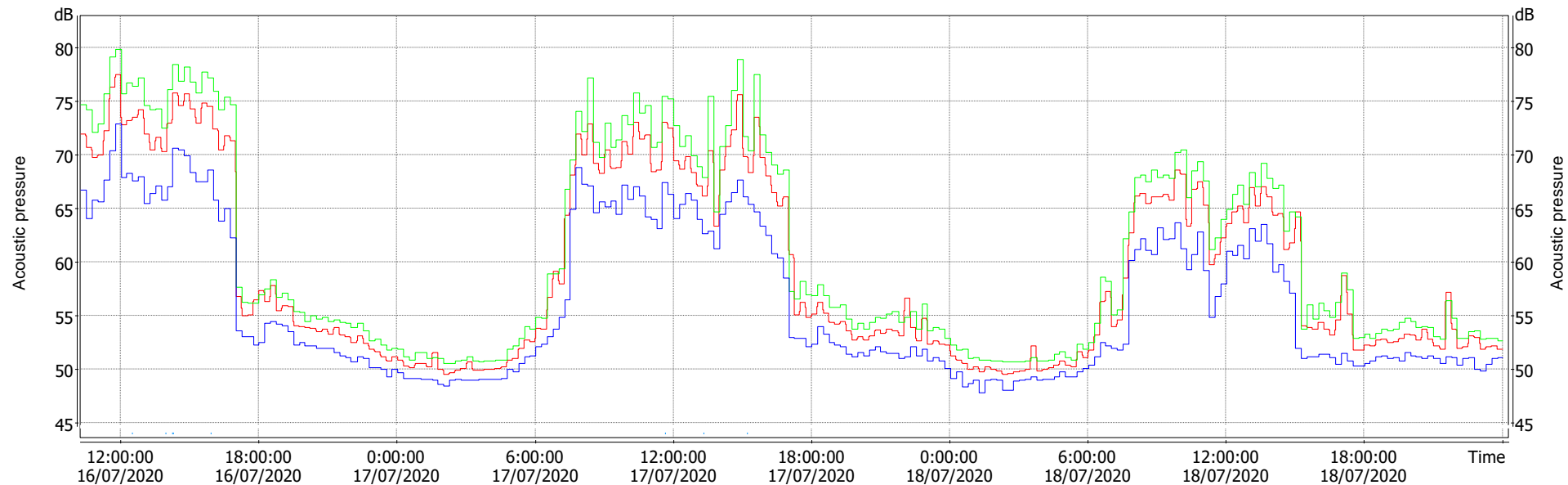
Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
	-	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	28/06/2020 0:20:57	-	52.7	52.9	51.0
Overload (TH)	2/07/2020 14:42:36	00:00:01.000	-	-	-

Logger results, logger step = 05:56



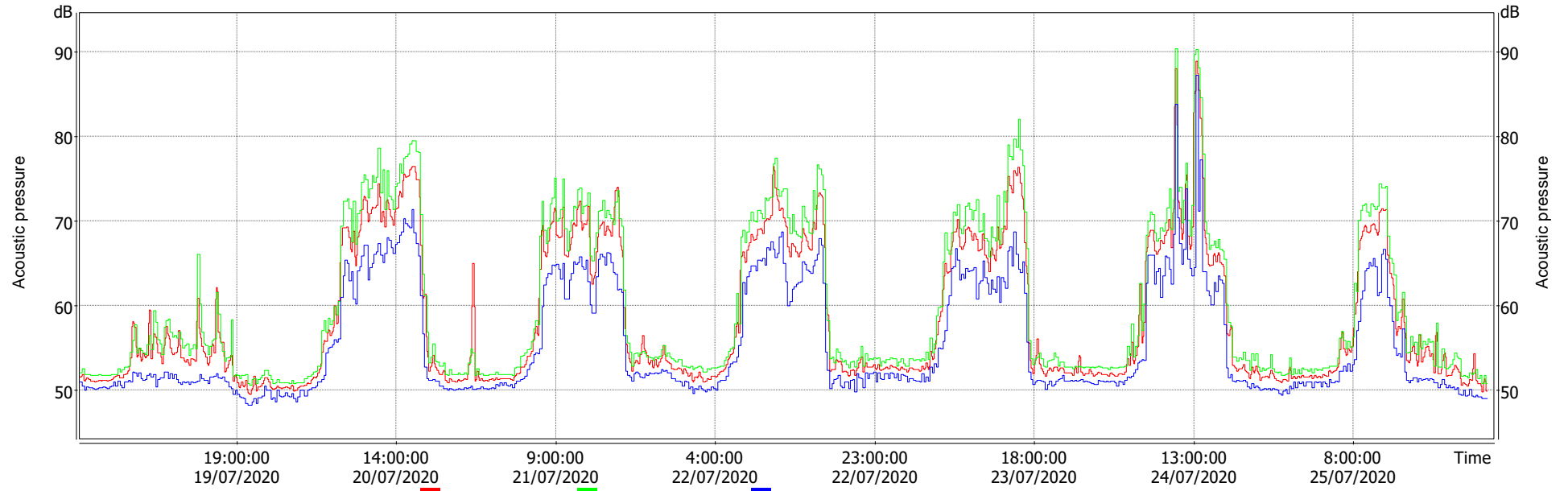
Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
Main cursor	5/07/2020 0:20:56	-	52.0	52.9	51.0

Logger results, logger step = 02:11



Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
Main cursor	16/07/2020 10:23:44	-	P1 (A, Lin) 72.0	P1 (A, Lin) 74.7	P1 (A, Lin) 66.7
Overload (TH)	16/07/2020 12:32:12	00:00:08.000	-	-	-

Logger results, logger step = 05:56



Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
-	-	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	19/07/2020 0:20:56	-	51.5	52.1	51.0

14 Appendix H – Additional Vibration Logger Locations 5 and 6 – Monitors MR3000 – 19270000 (Botanical Gardens) and 19270001 (Wharf Terraces Internally)

Devices

○ mr3000-19270000
○ 19270000

- Botanical Gardens Building basement

○ mr3000-19270001

- Art Gallery Internally

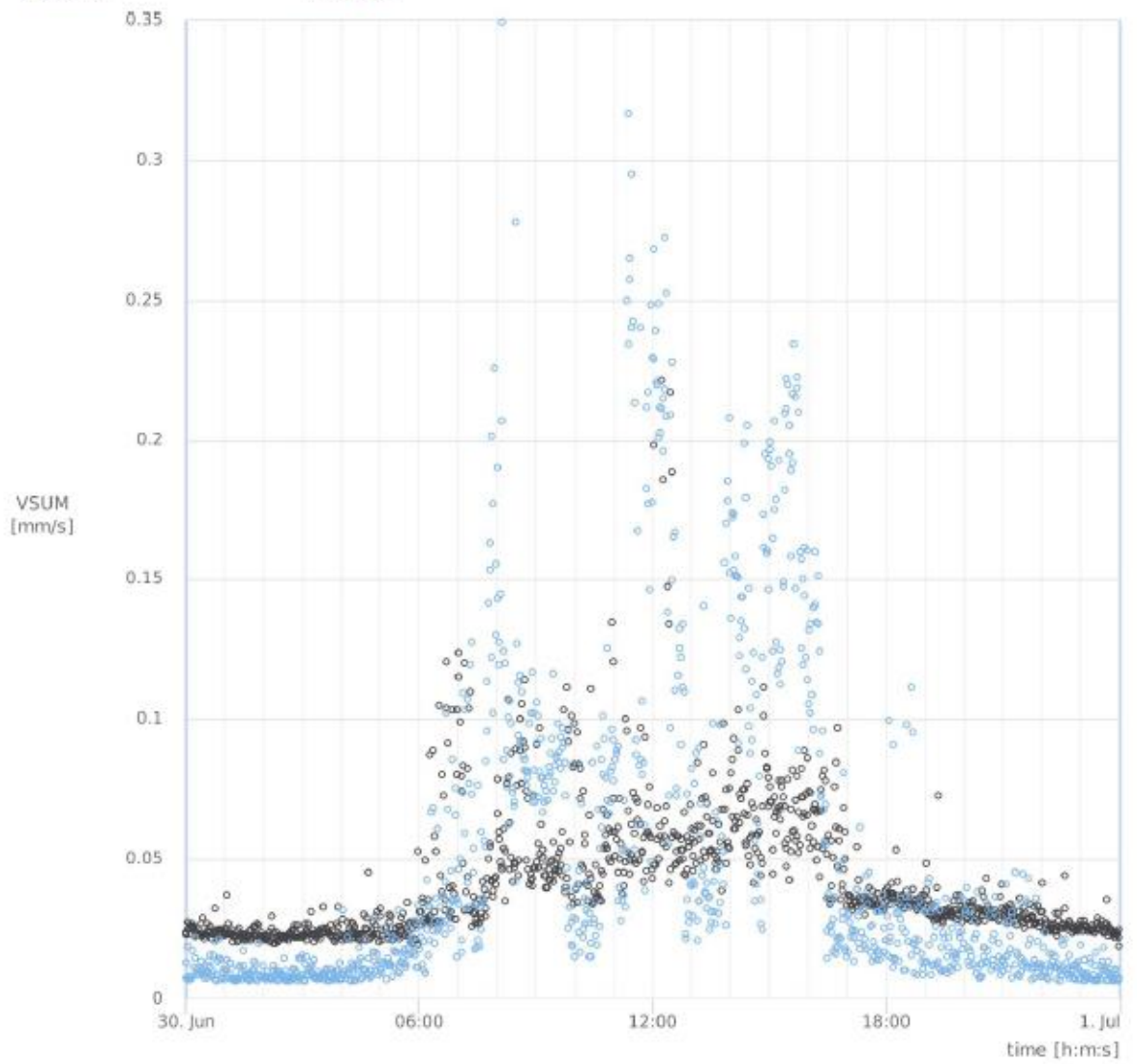
19270001

Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

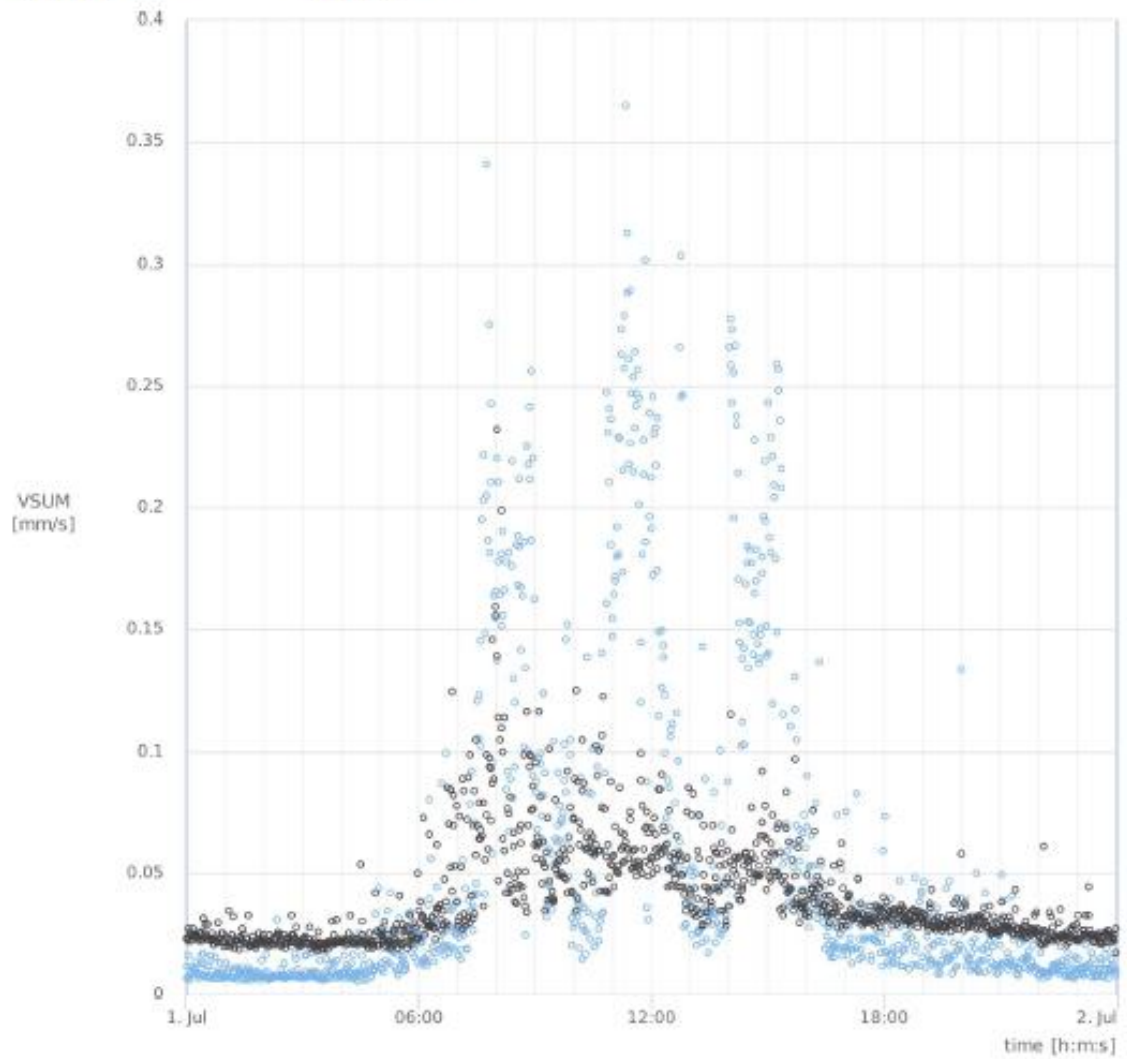


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

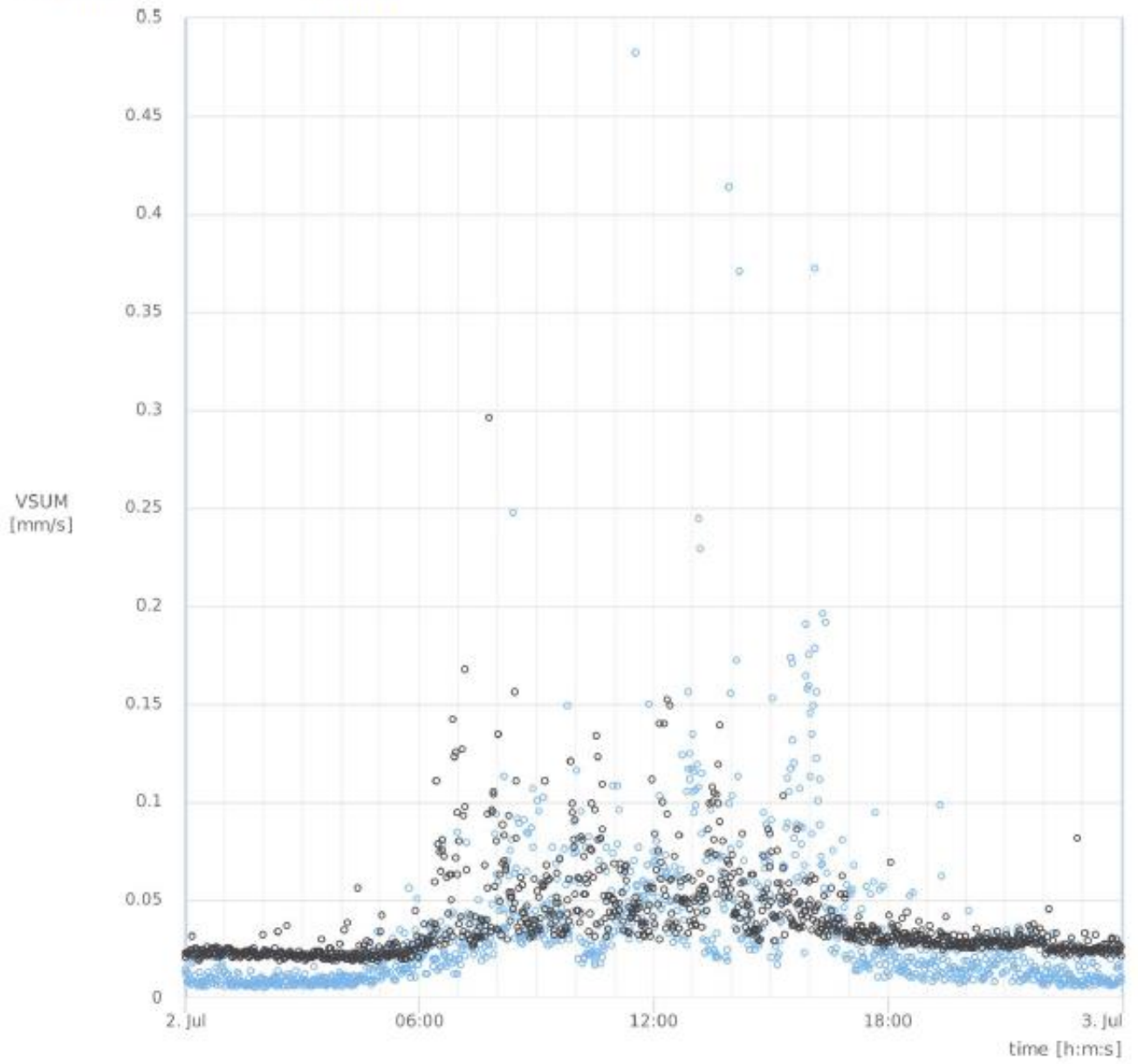


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

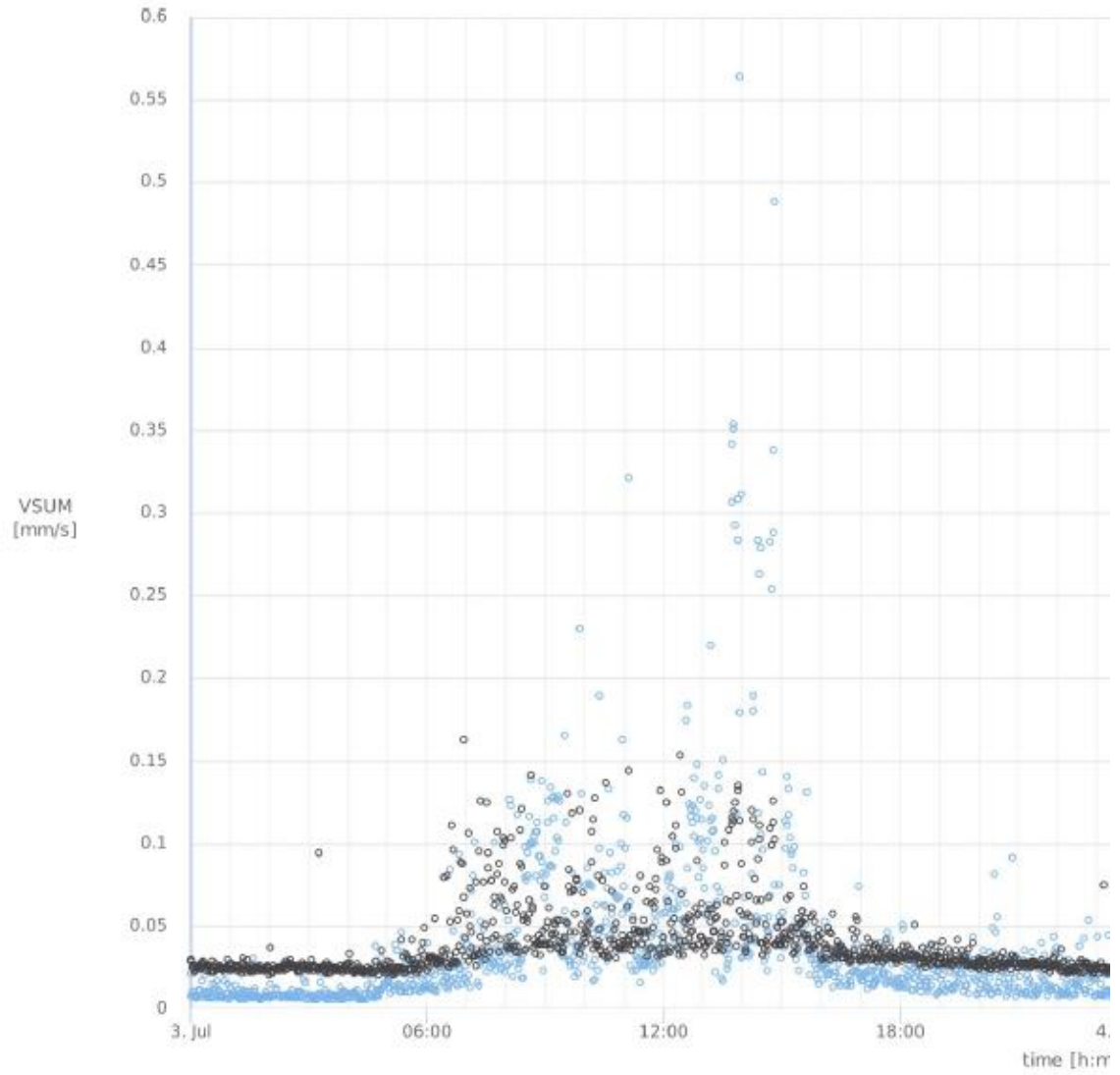


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

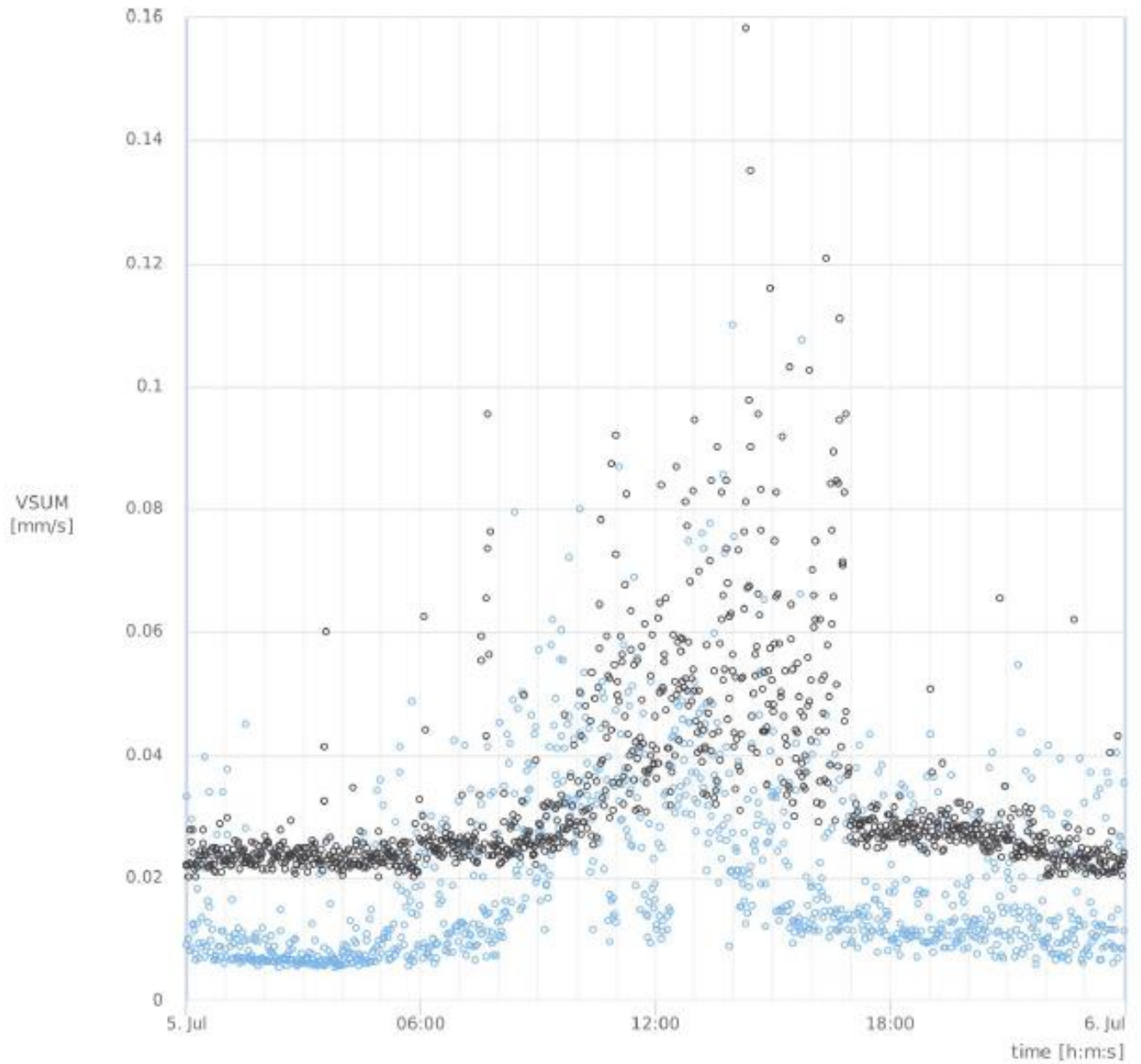


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

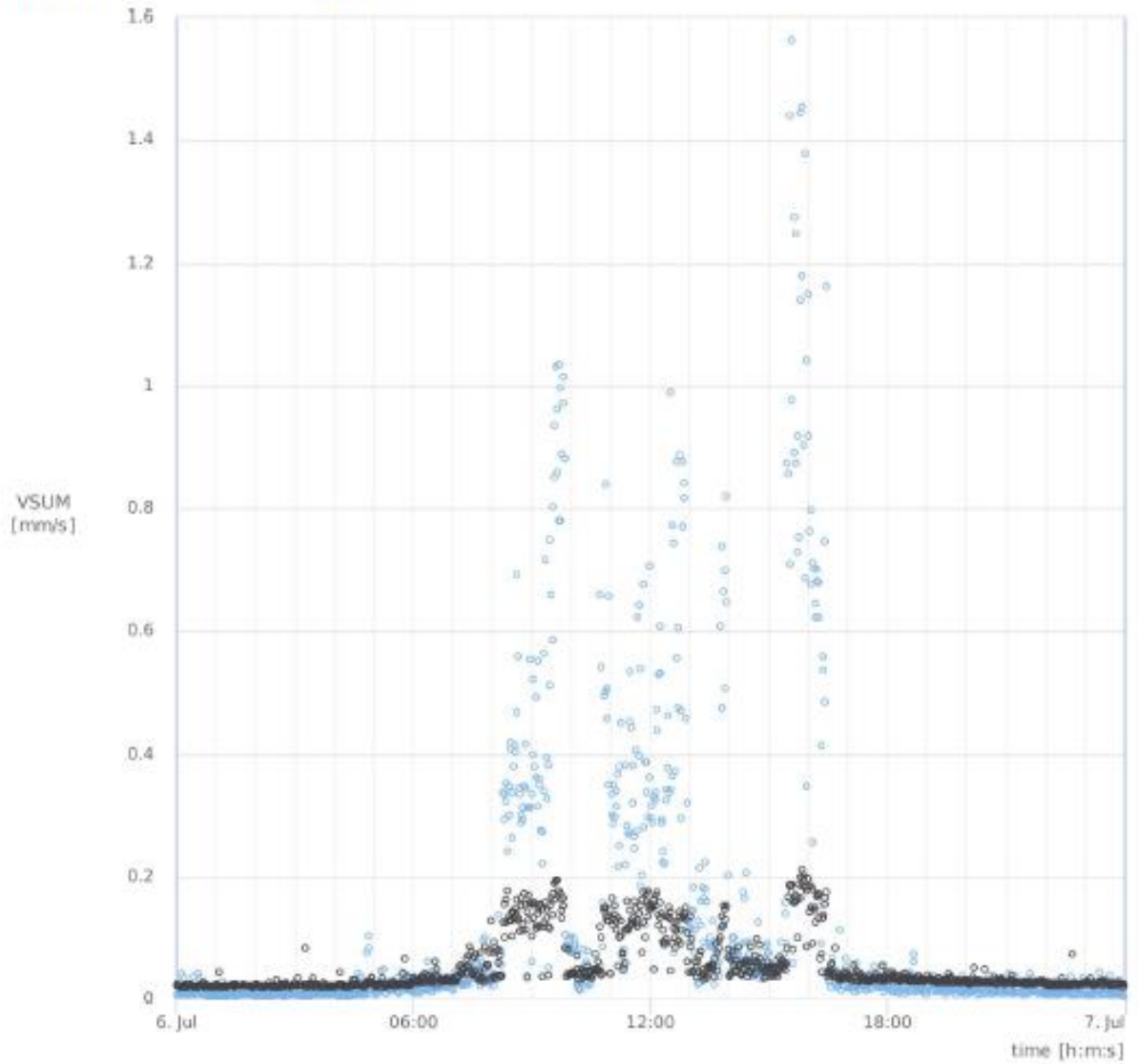


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

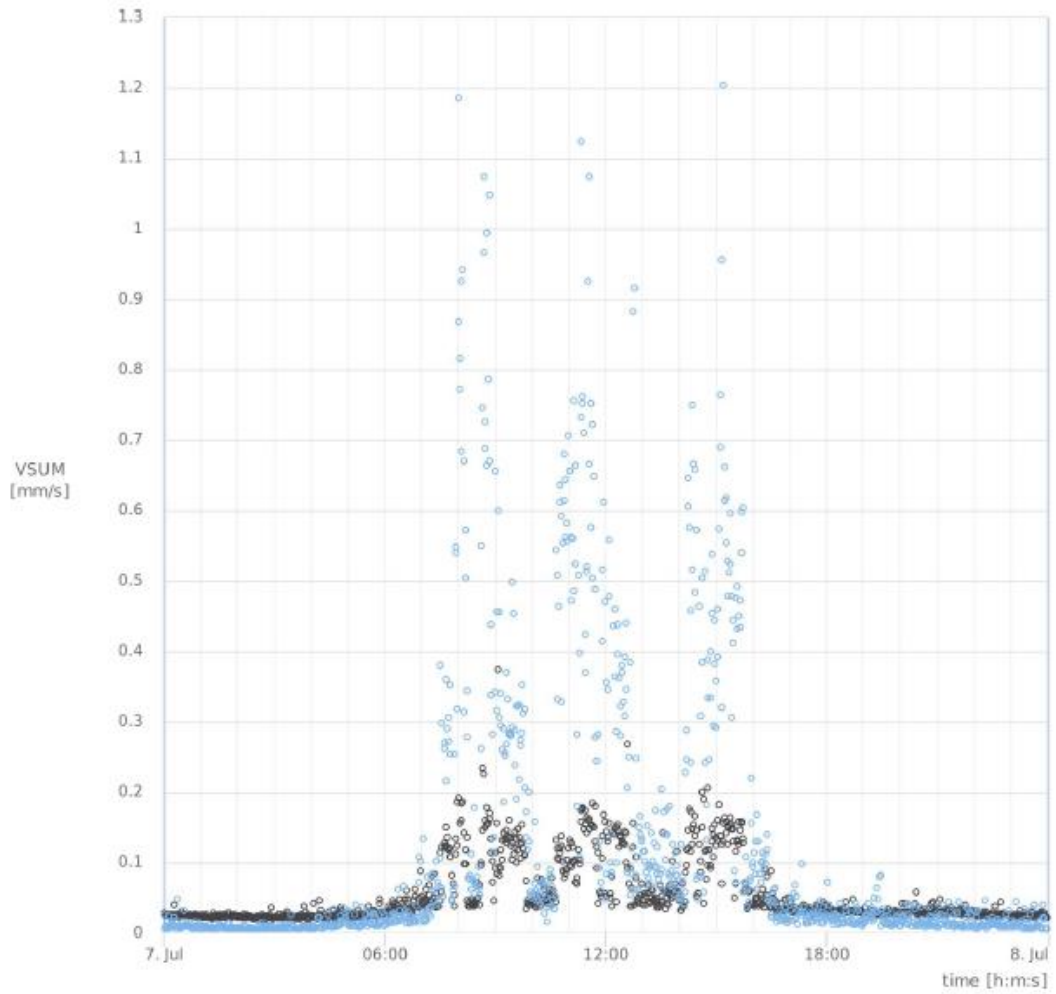


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

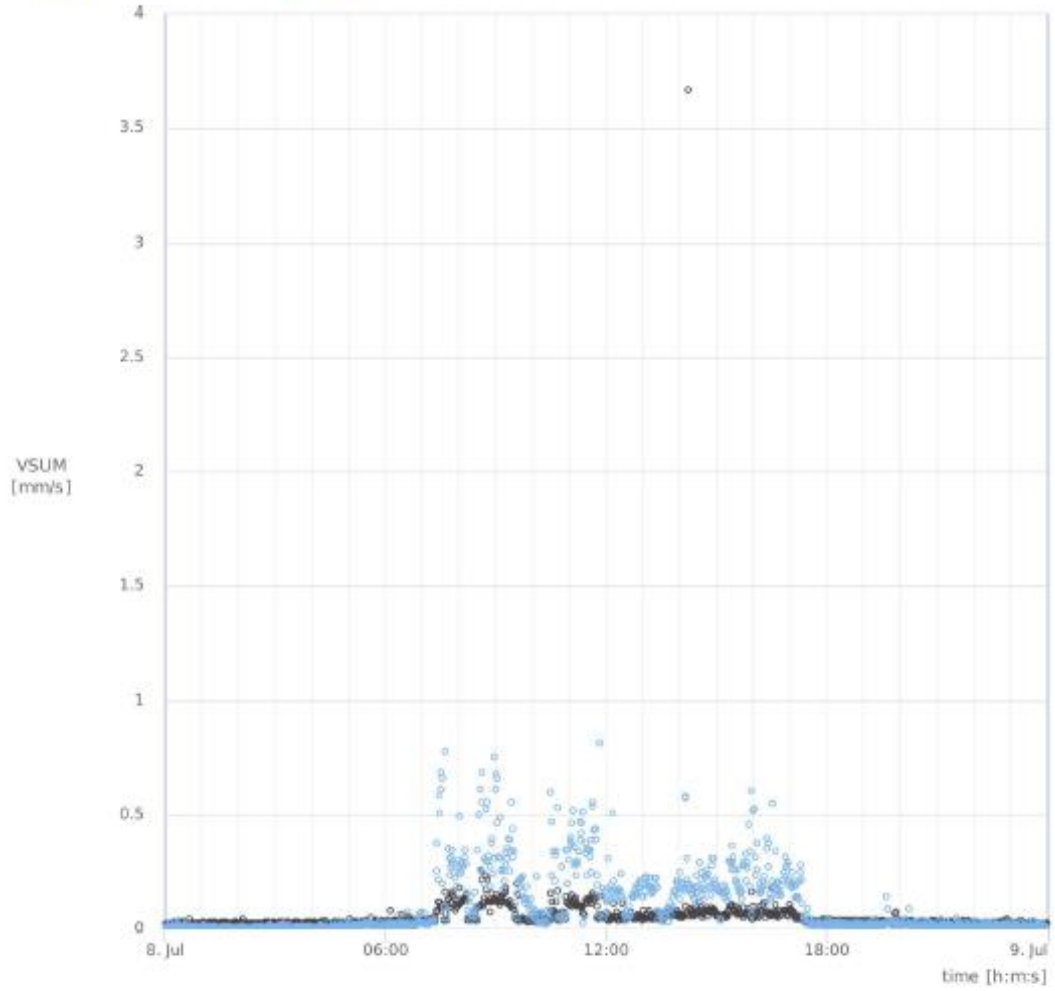


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

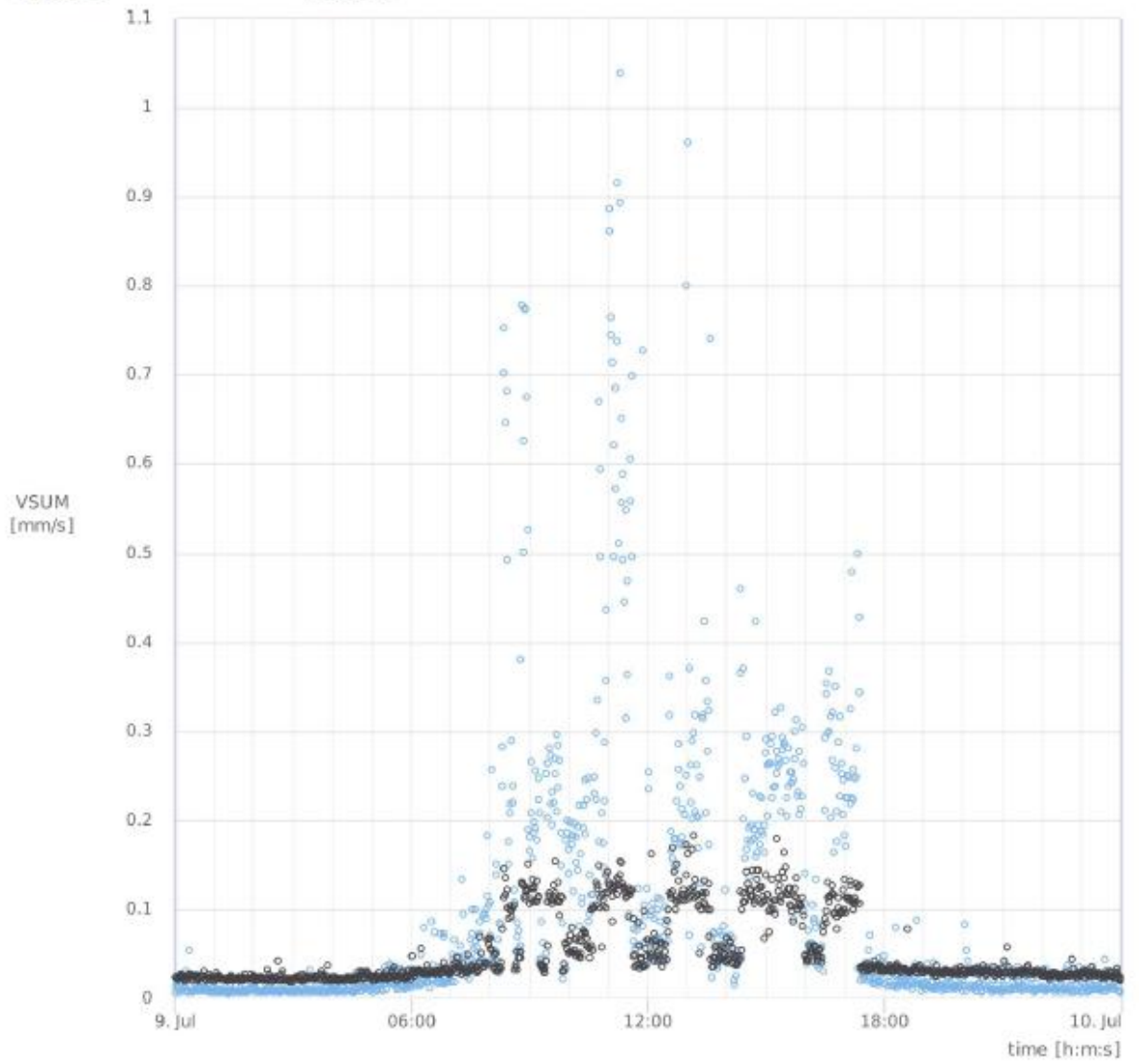


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

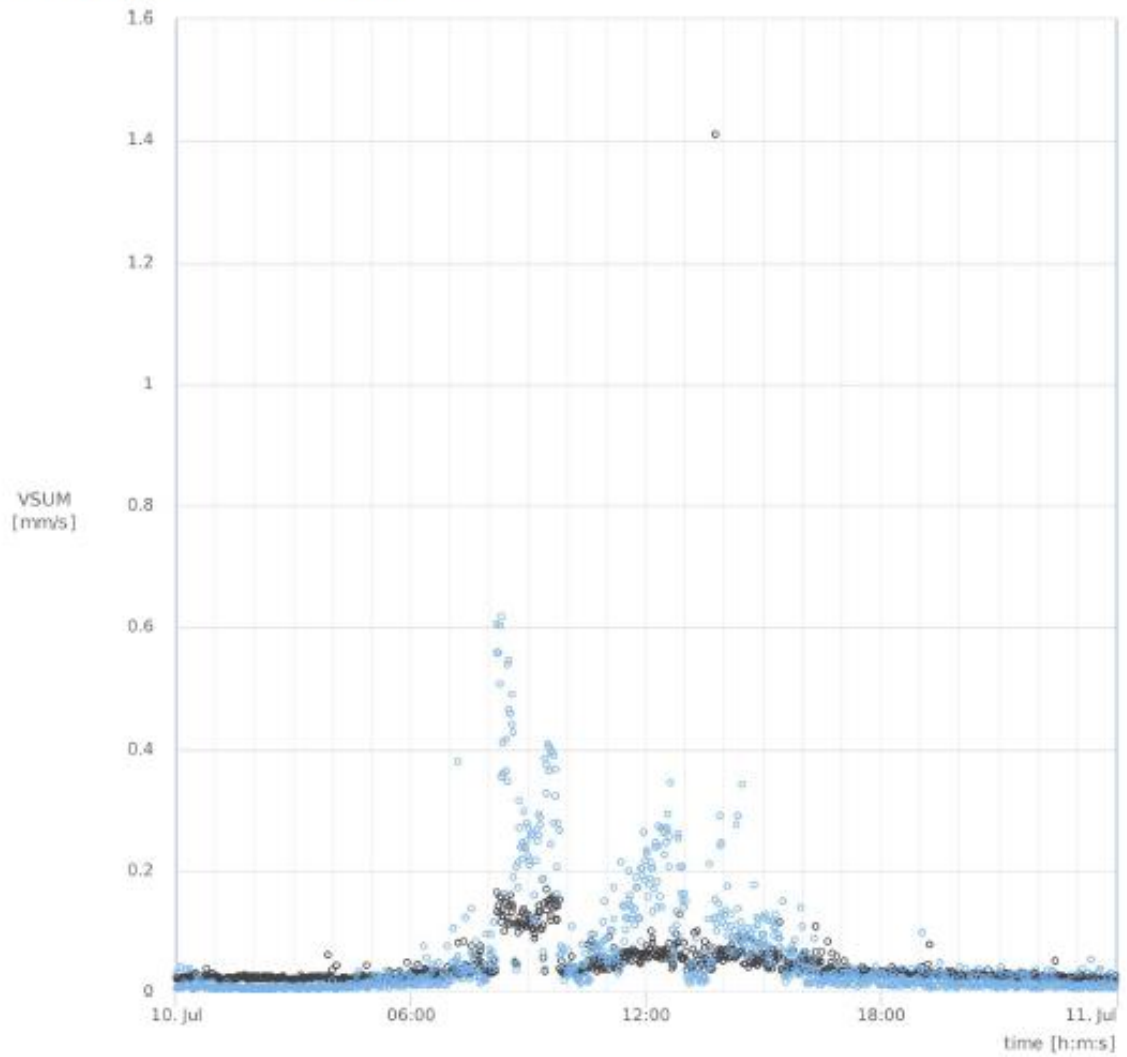


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

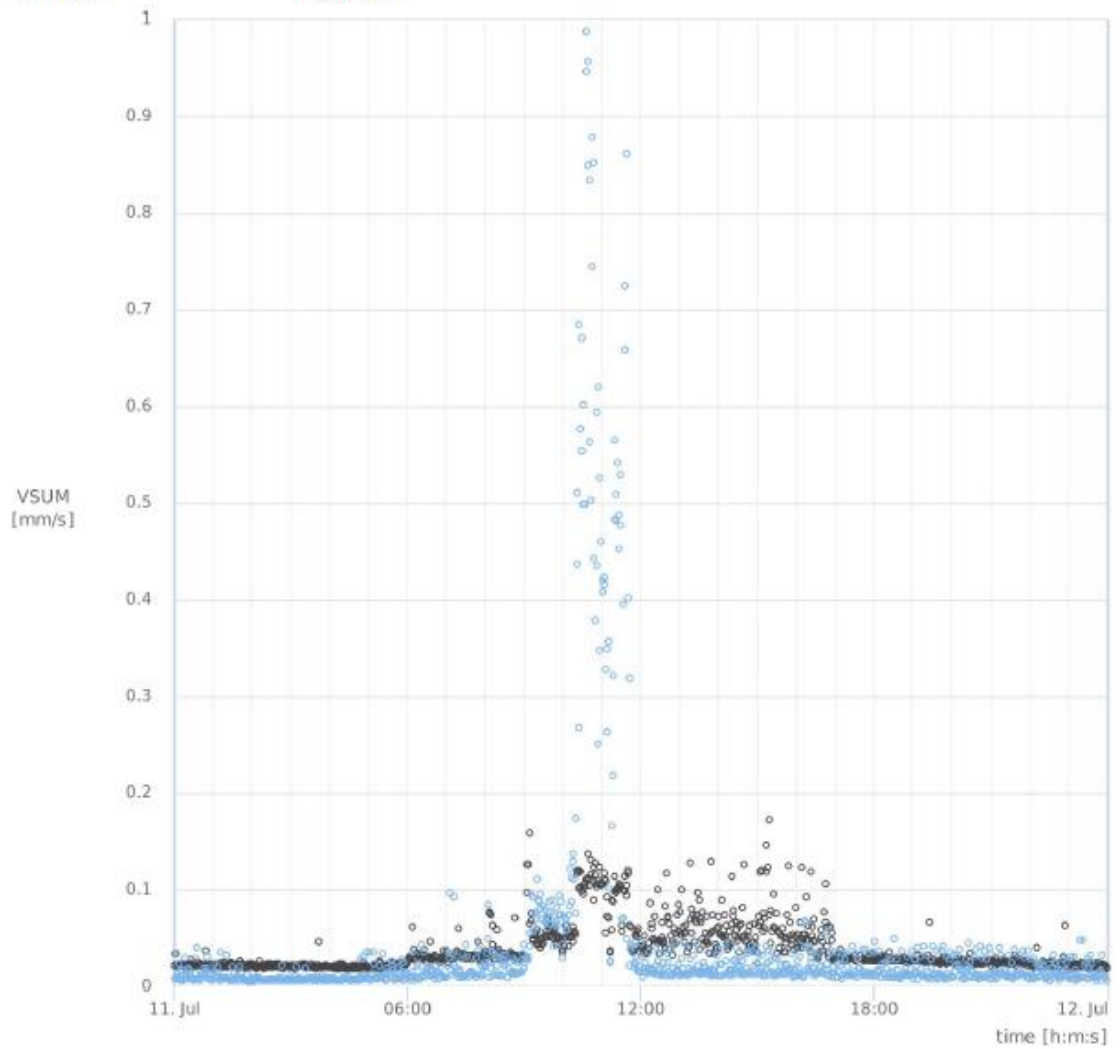


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

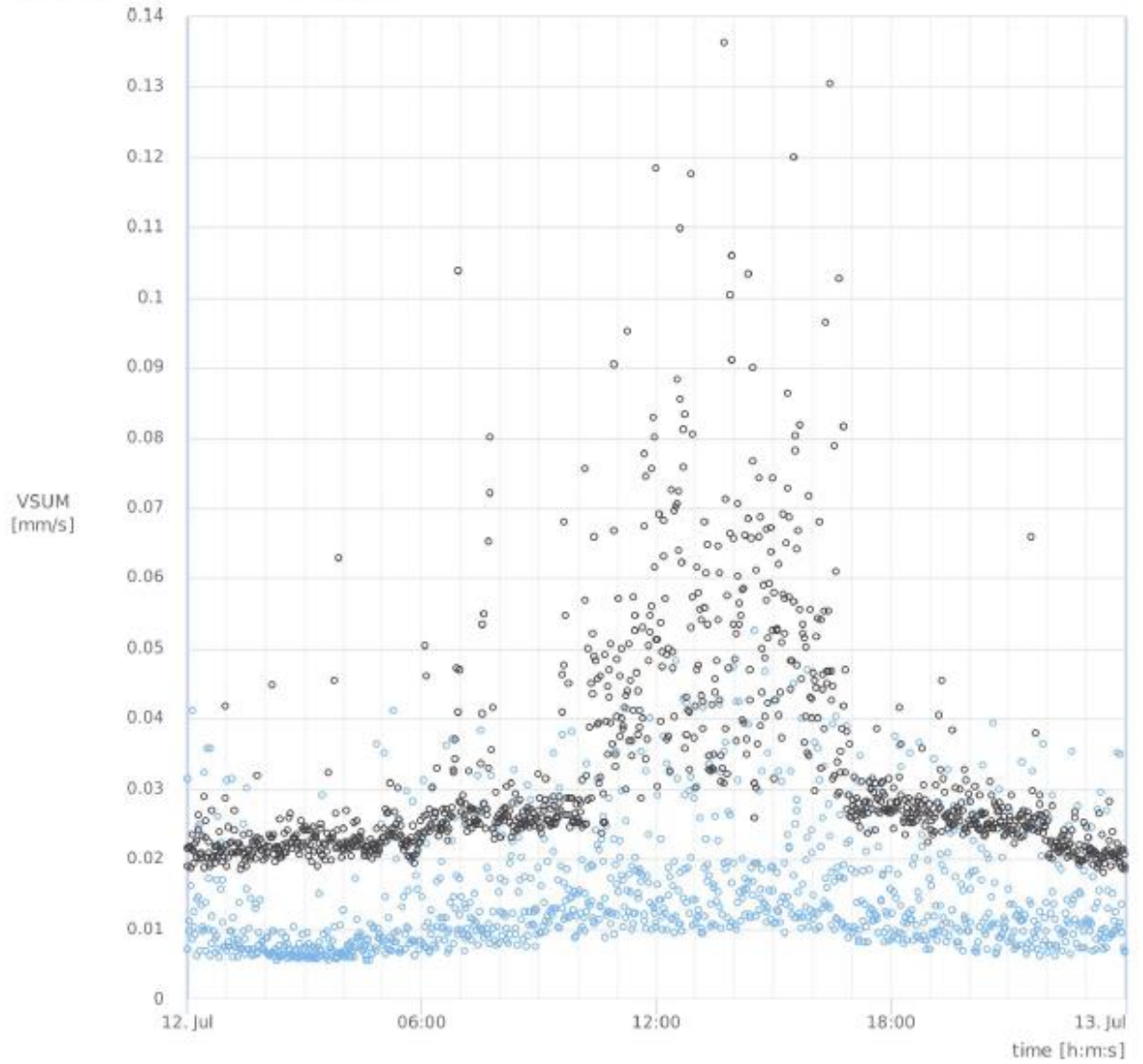


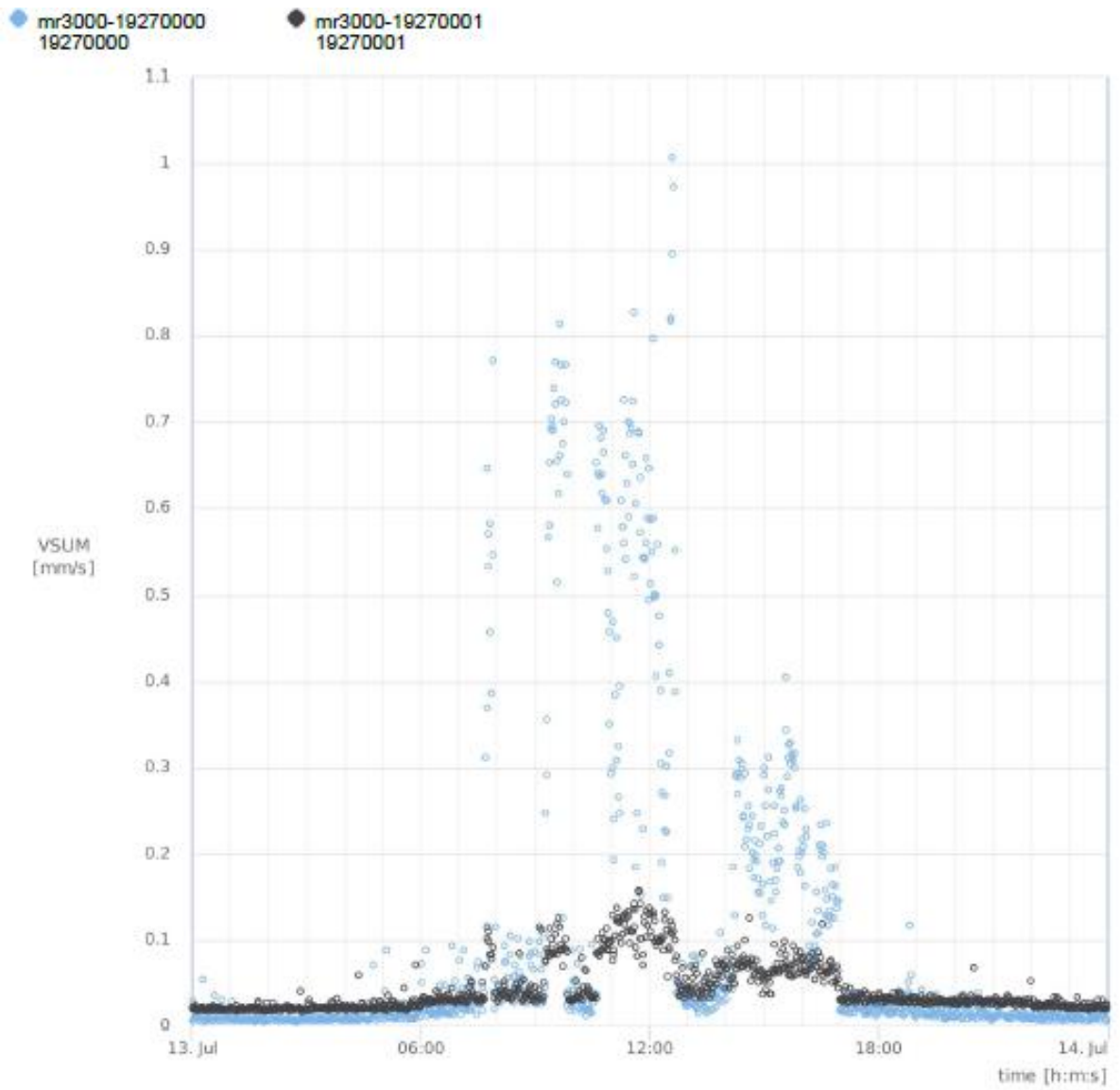
Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001



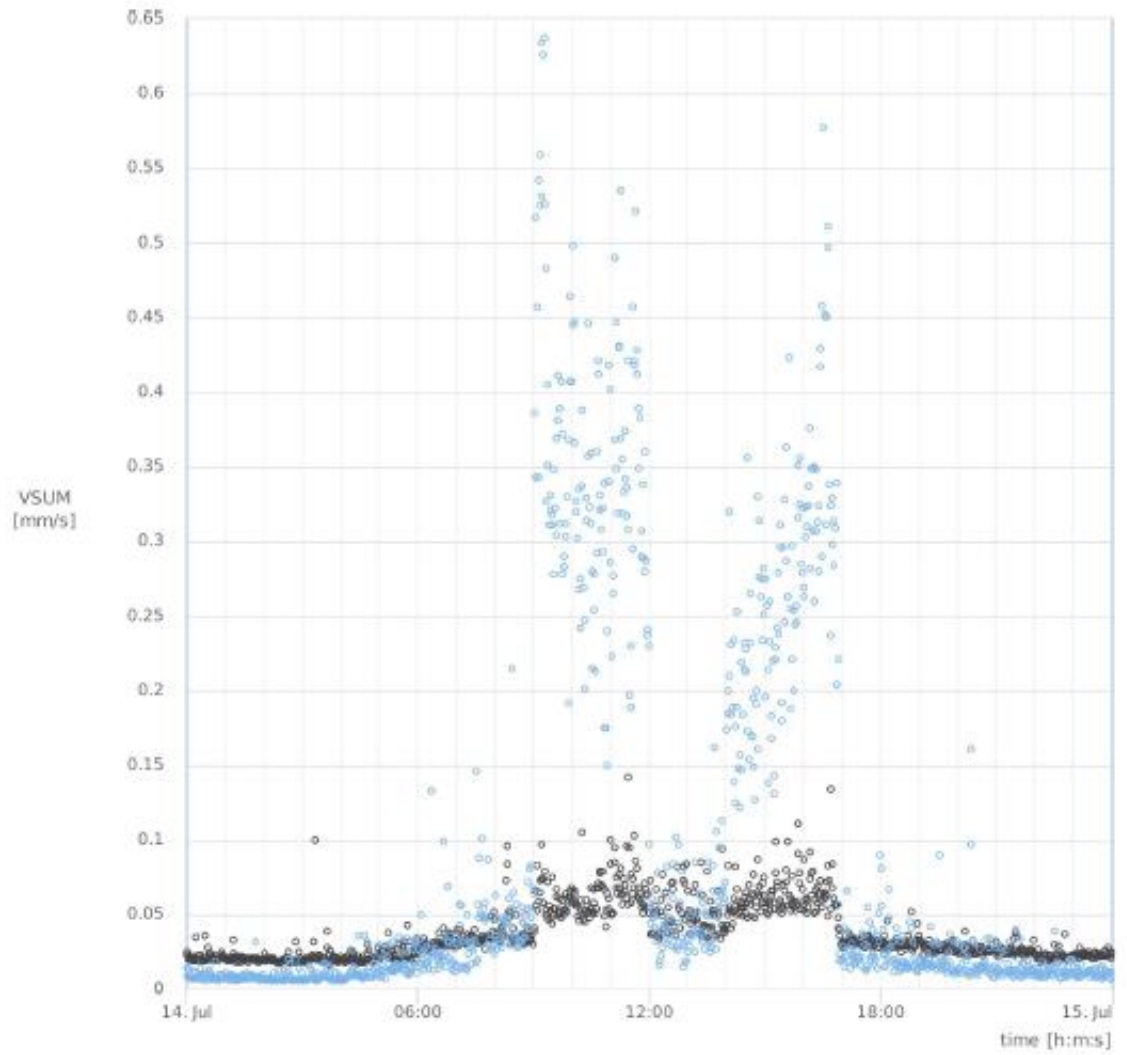


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

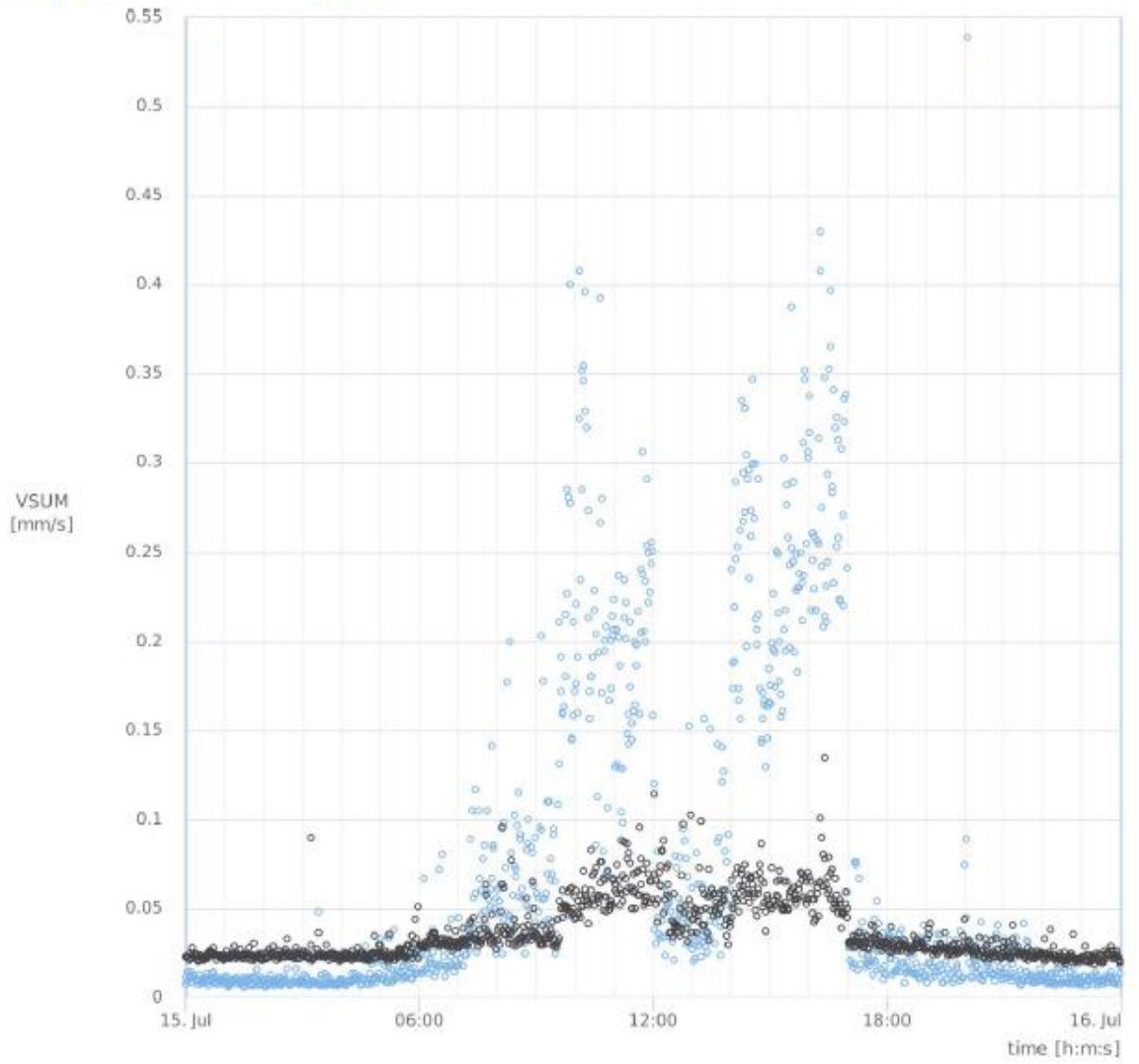


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

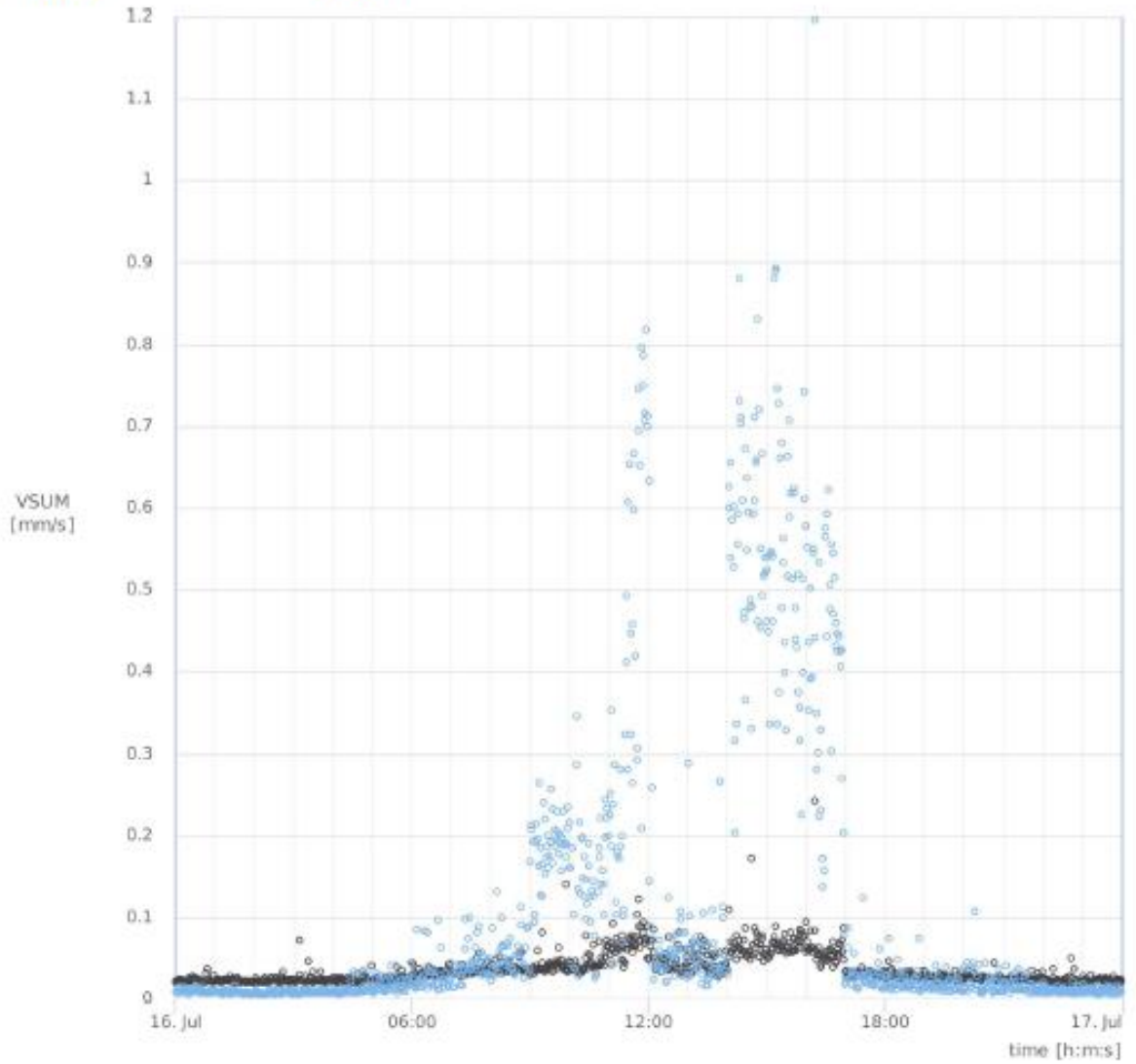


Vector Sum Plot

Devices

◆ mr3000-19270000
19270000

● mr3000-19270001
19270001

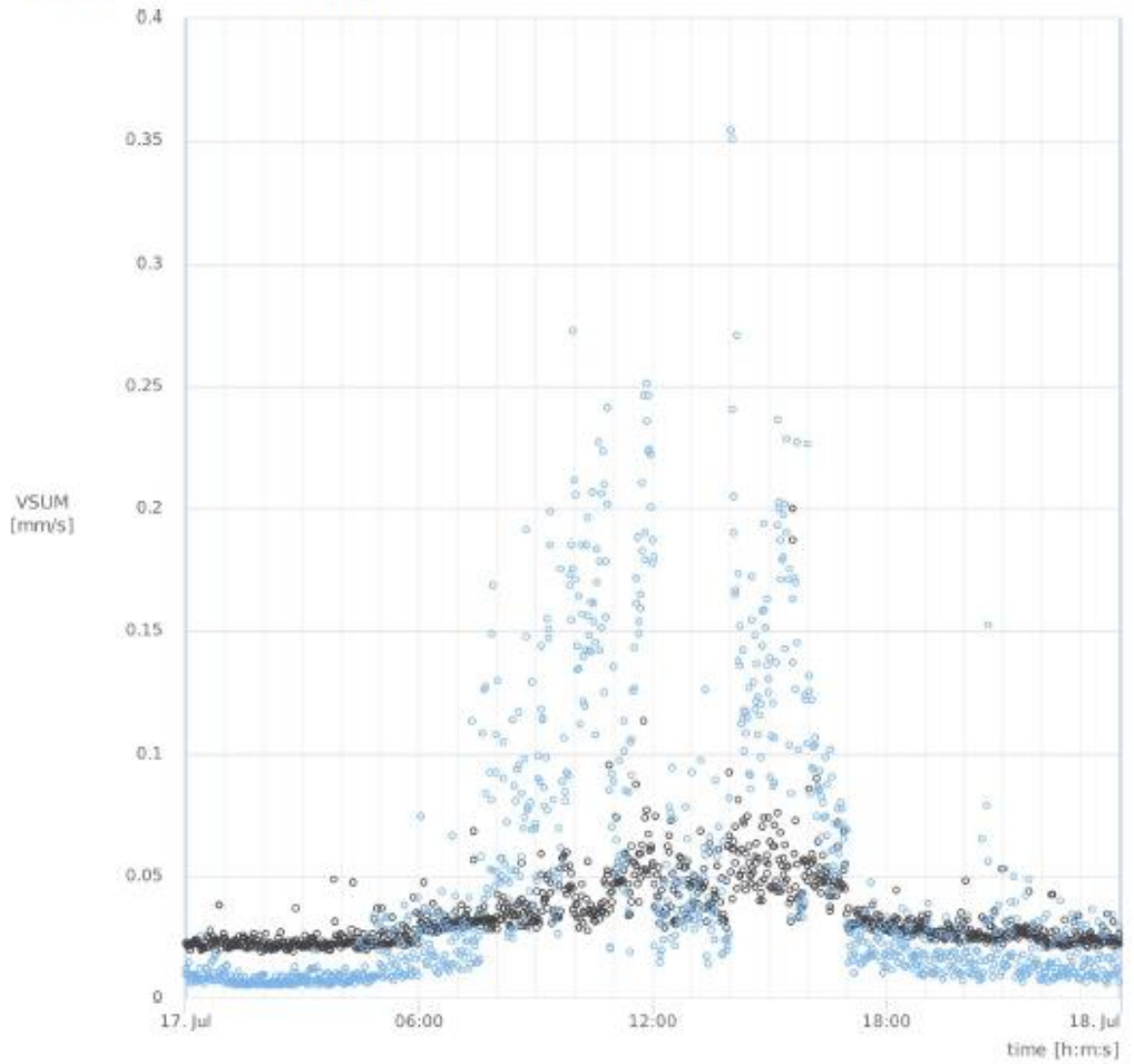


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

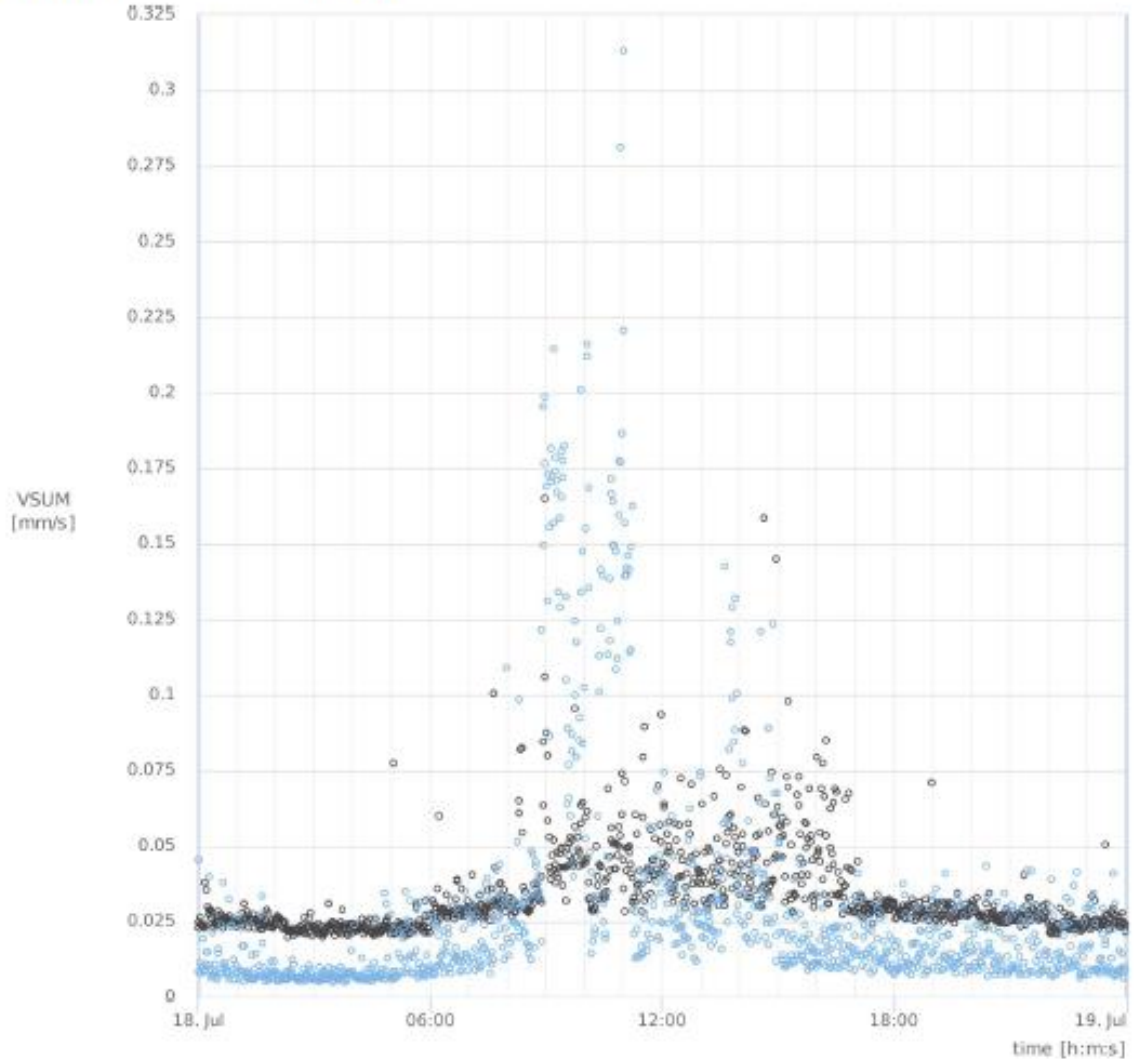


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

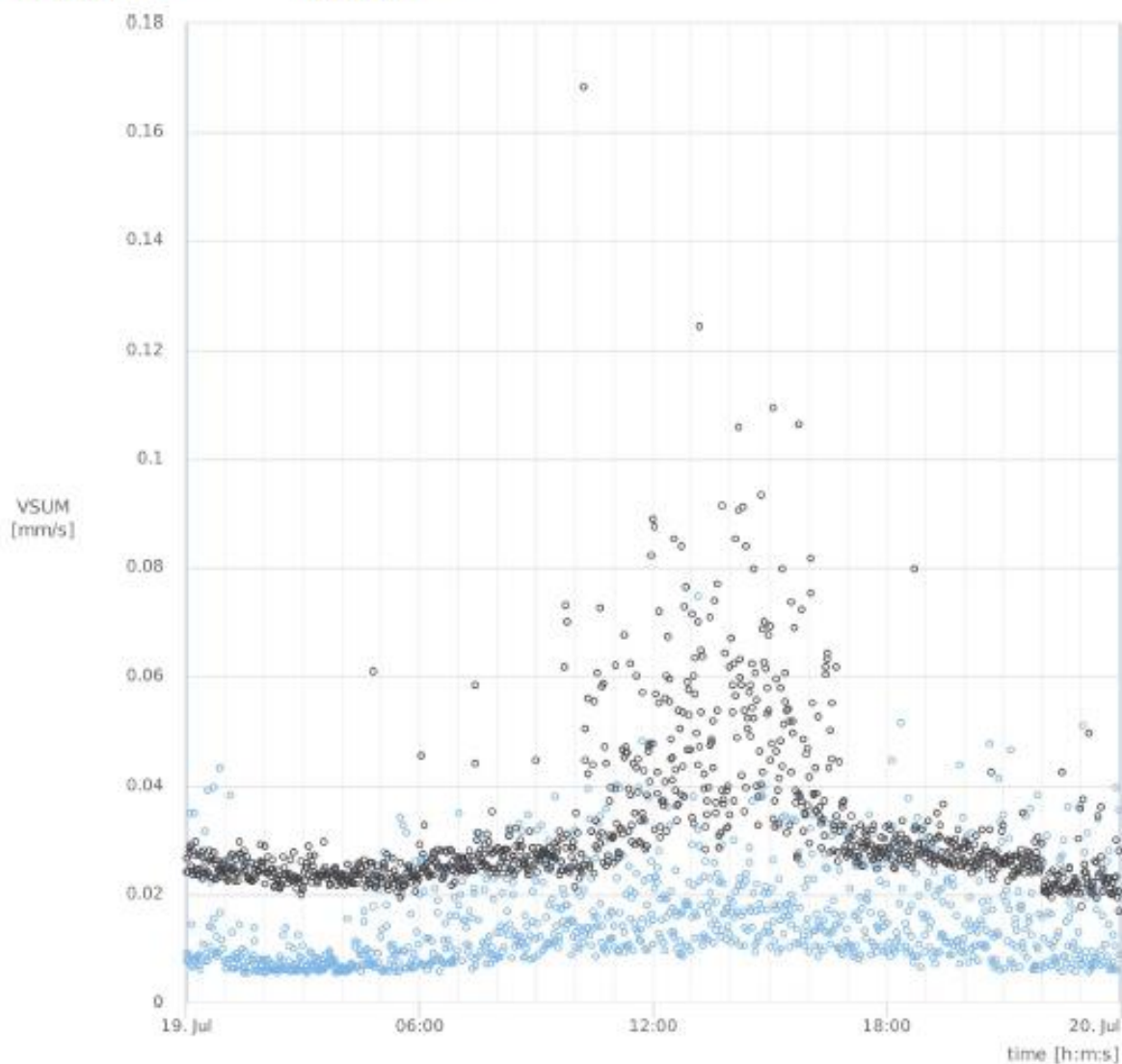


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

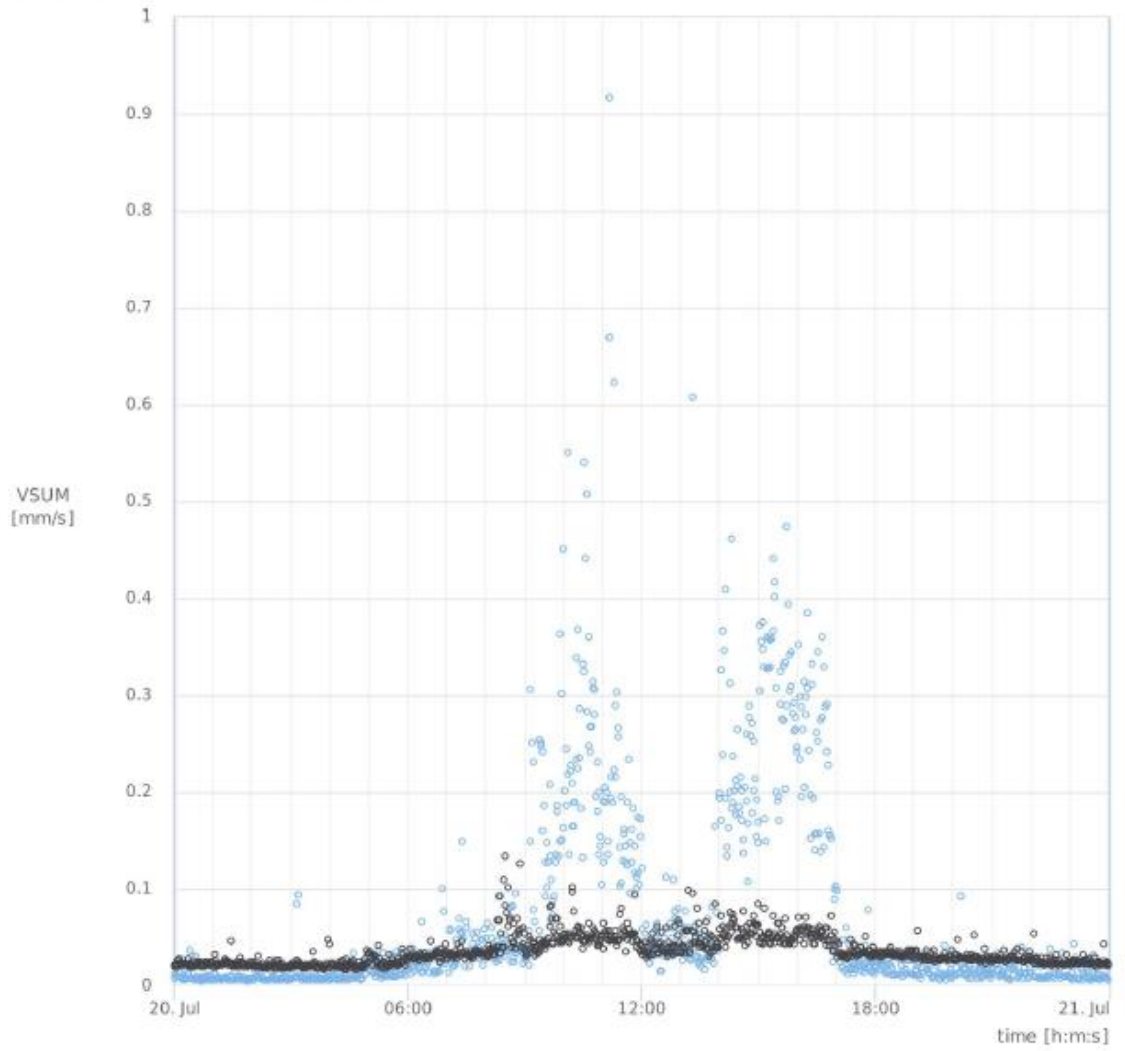


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

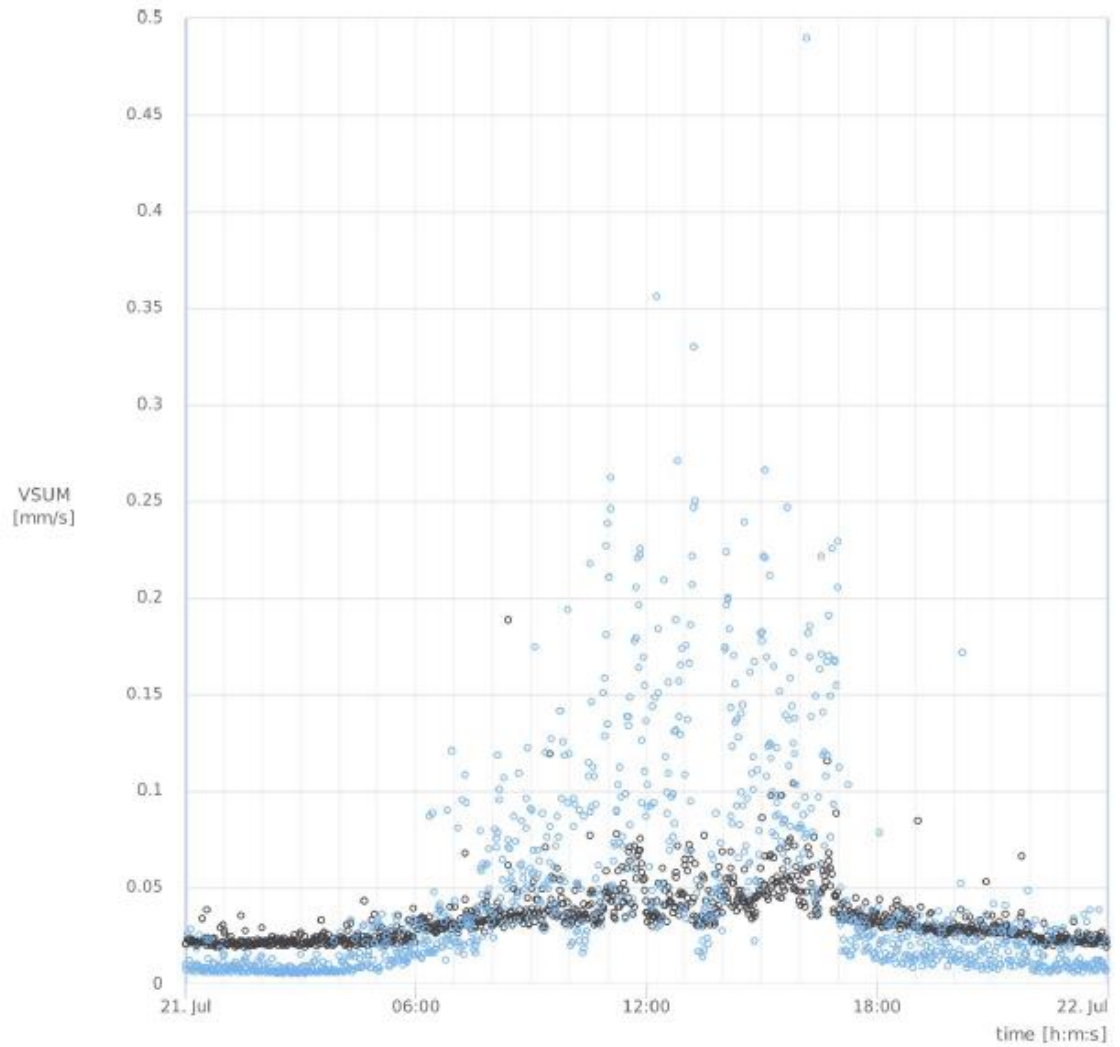


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

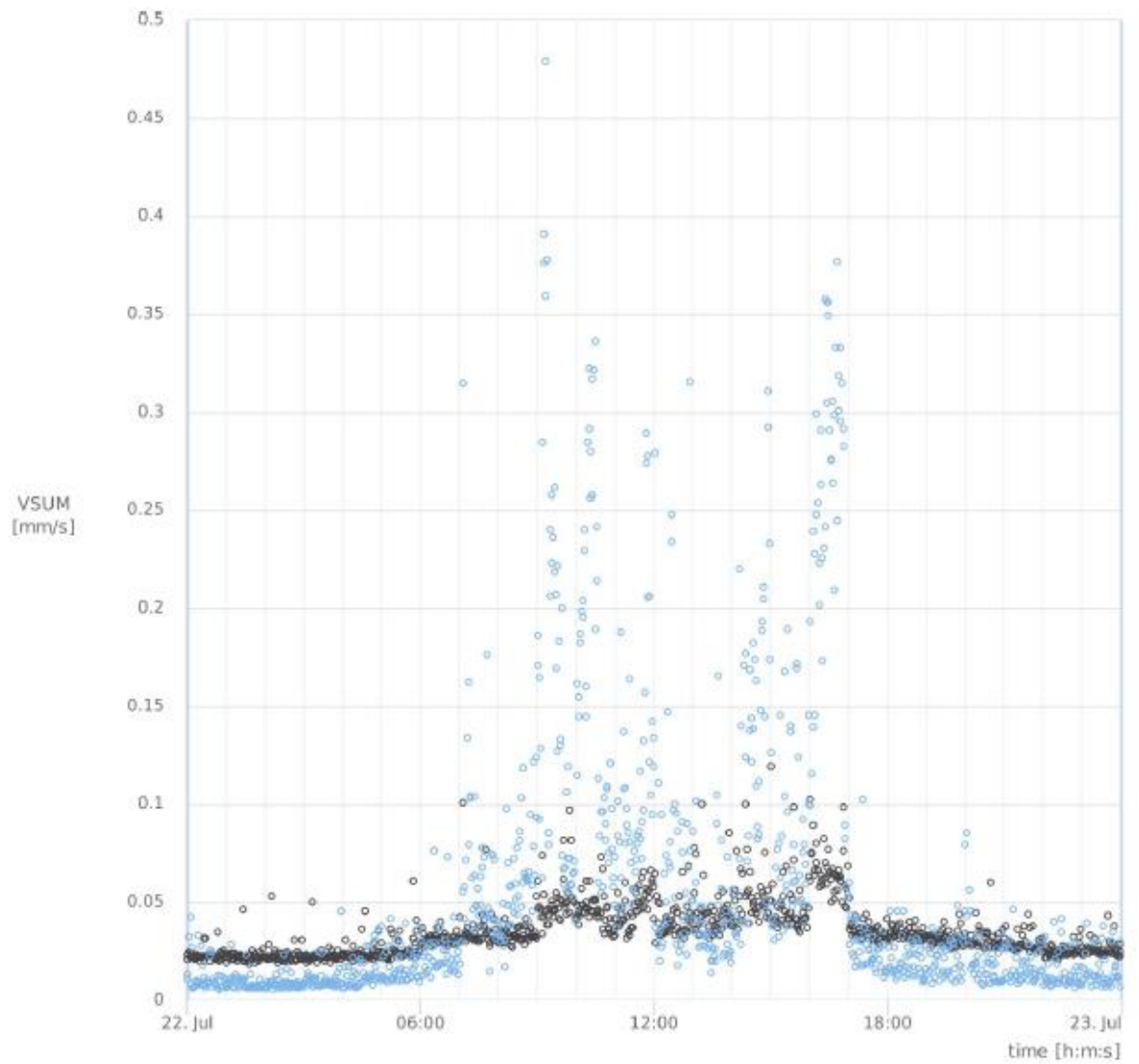


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

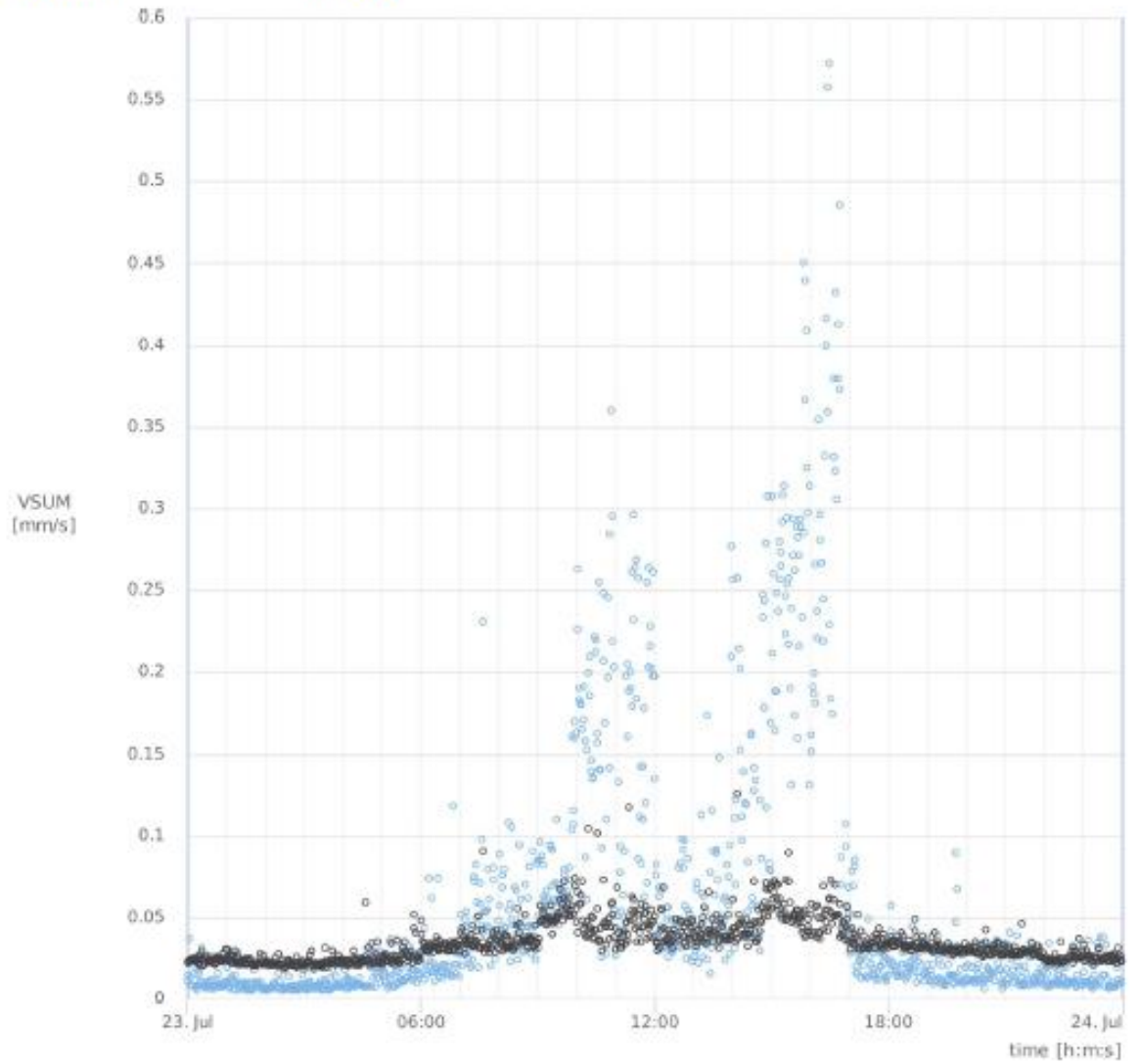


Vector Sum Plot

Devices

◆ mr3000-19270000
19270000

◆ mr3000-19270001
19270001

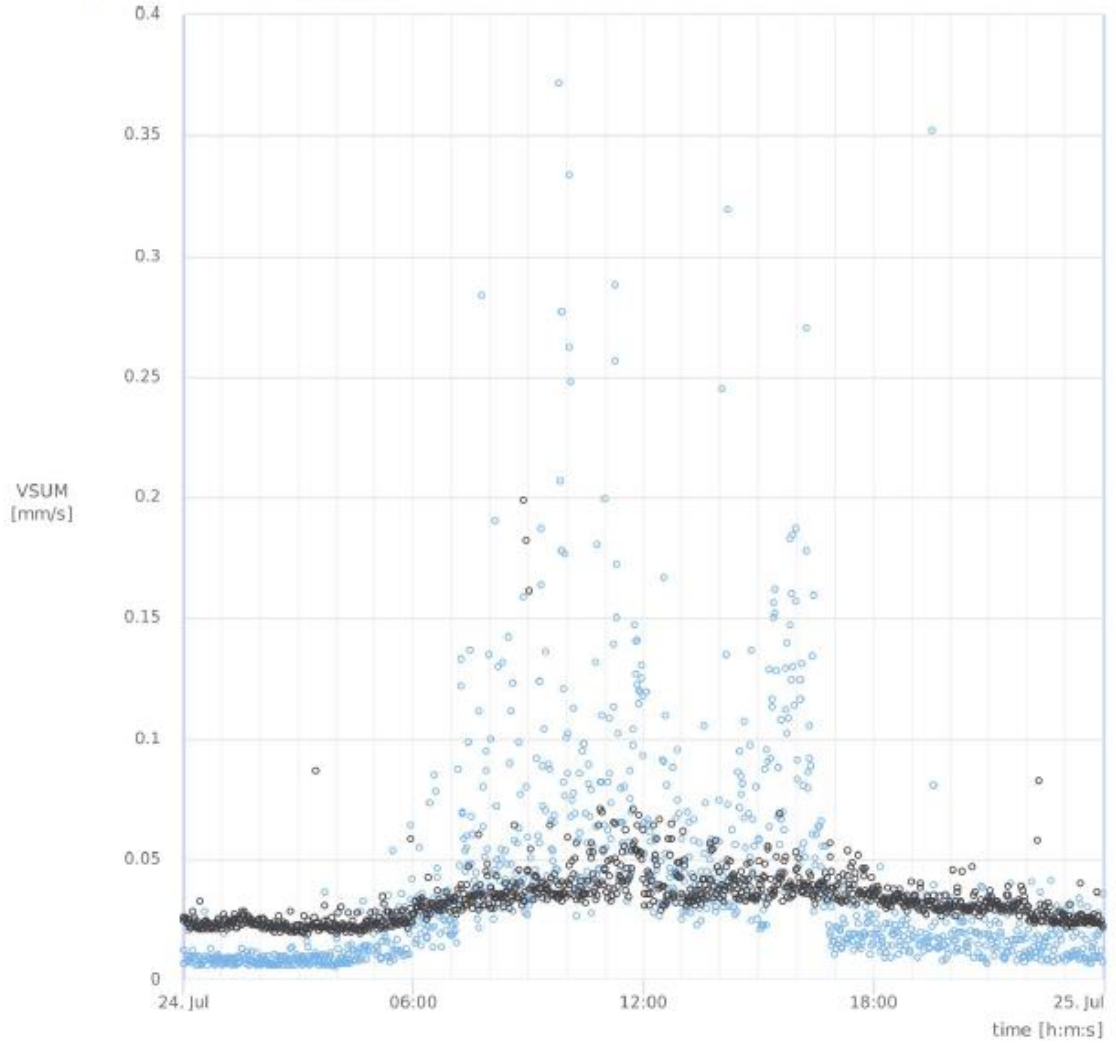


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

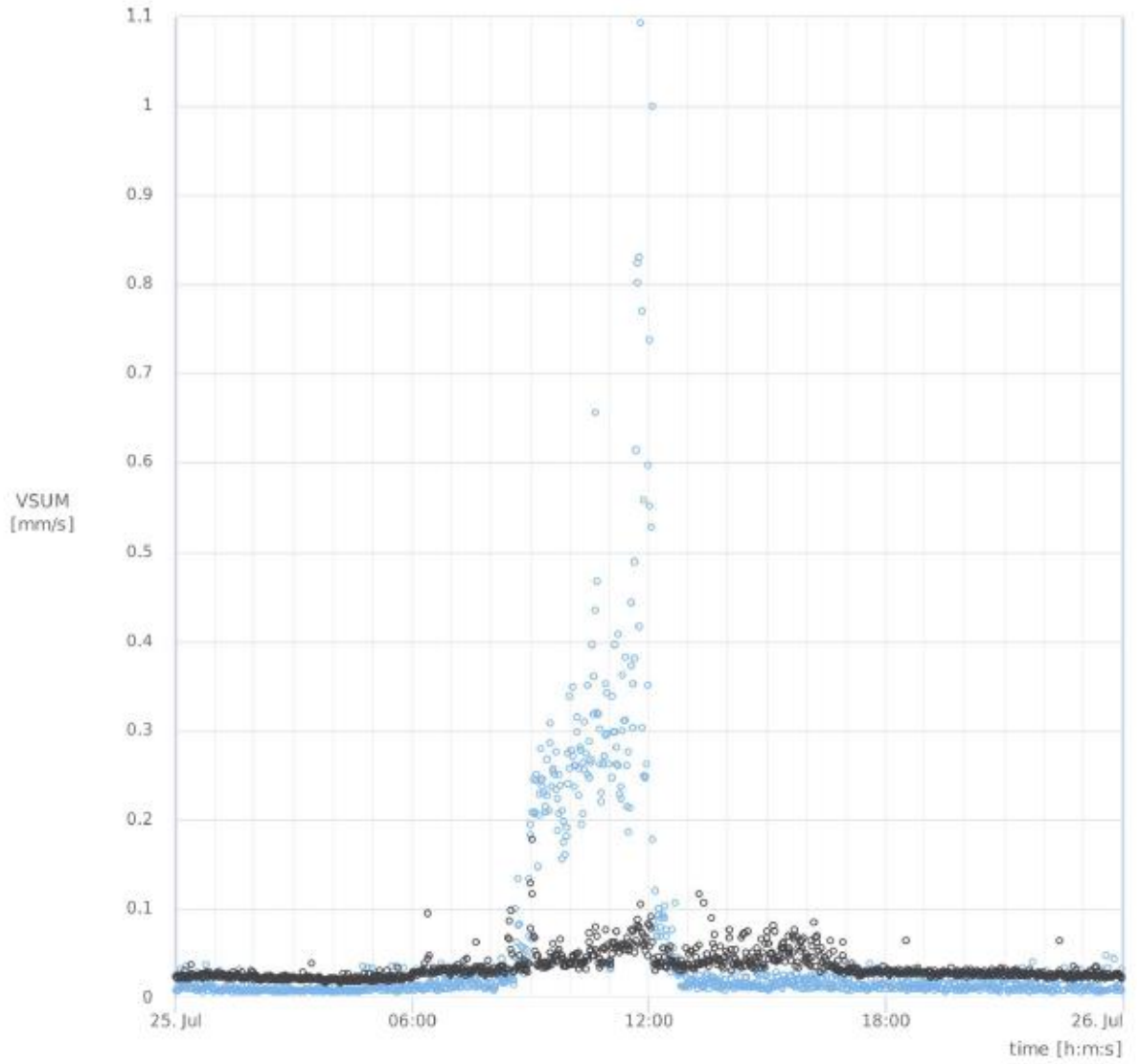


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

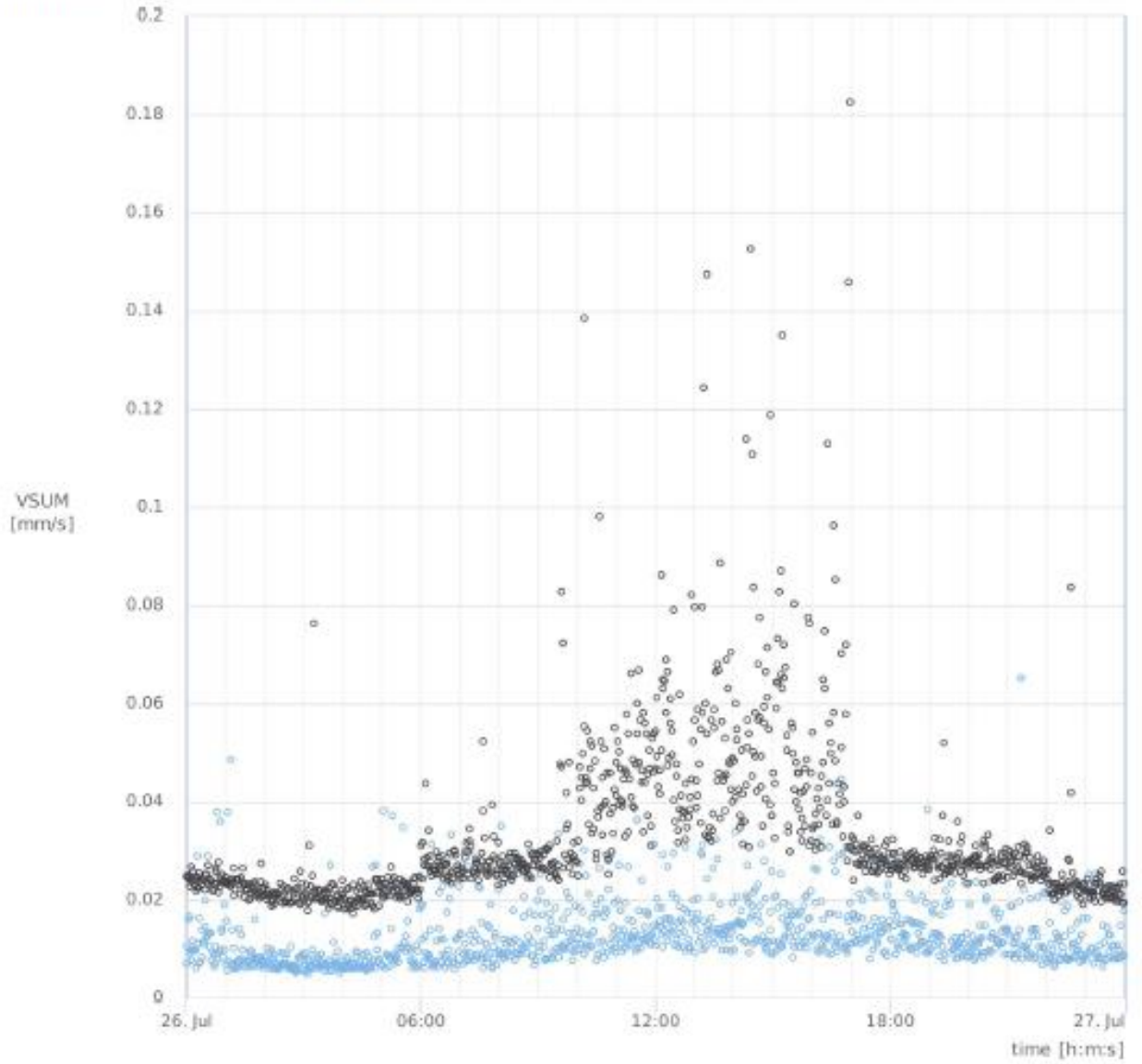


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

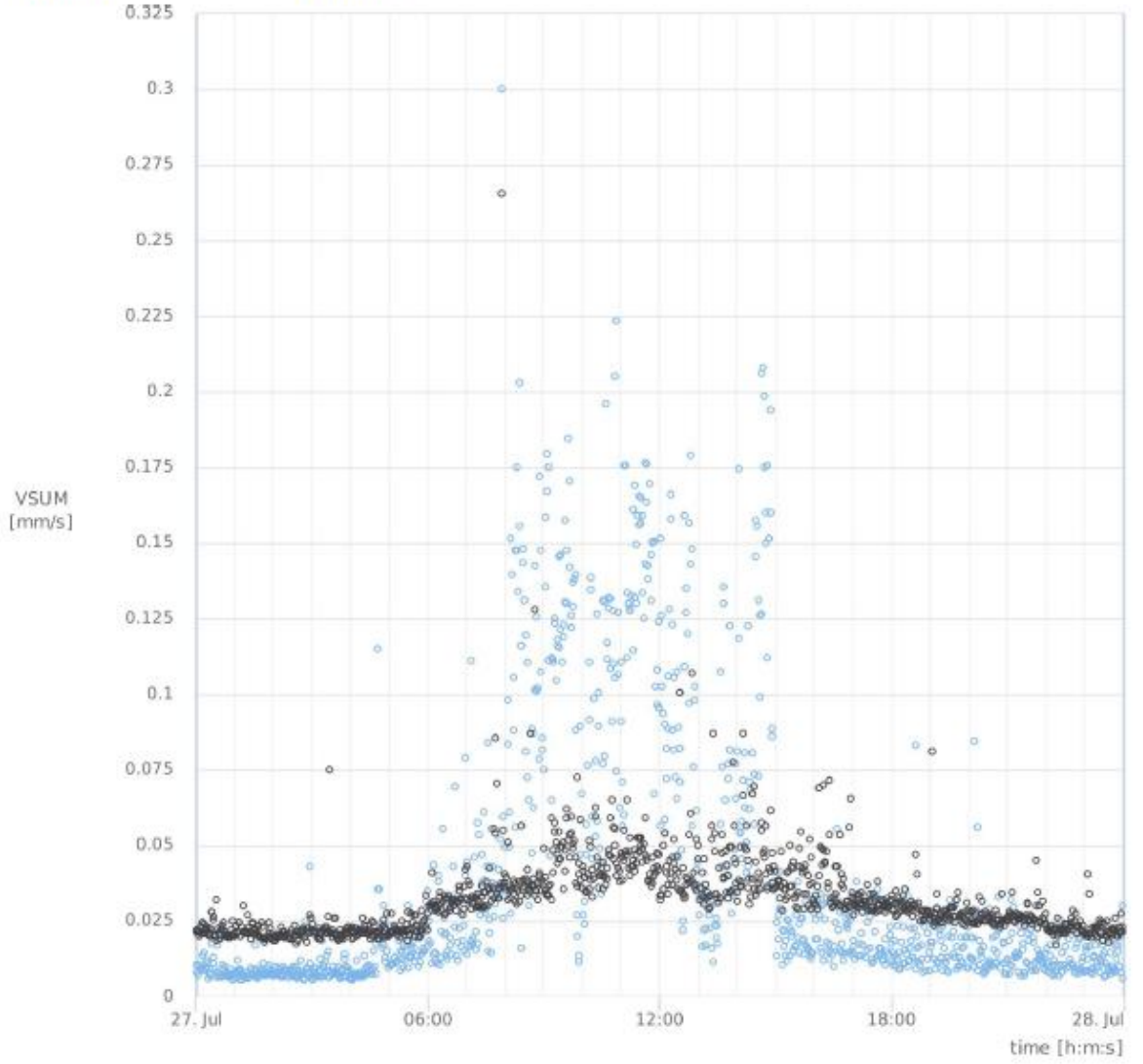


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

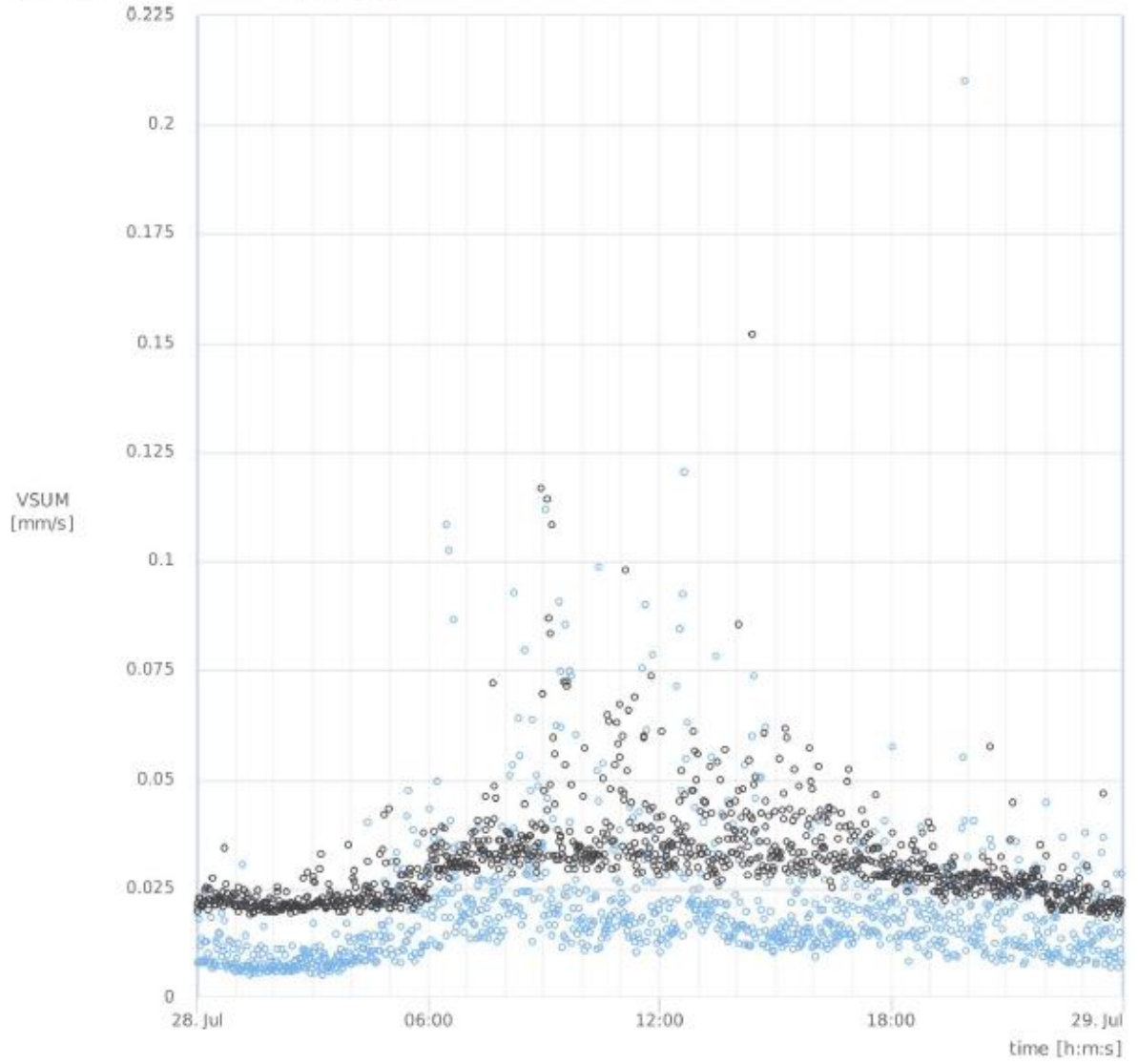


Vector Sum Plot

Devices

● mr3000-19270000
19270000

● mr3000-19270001
19270001

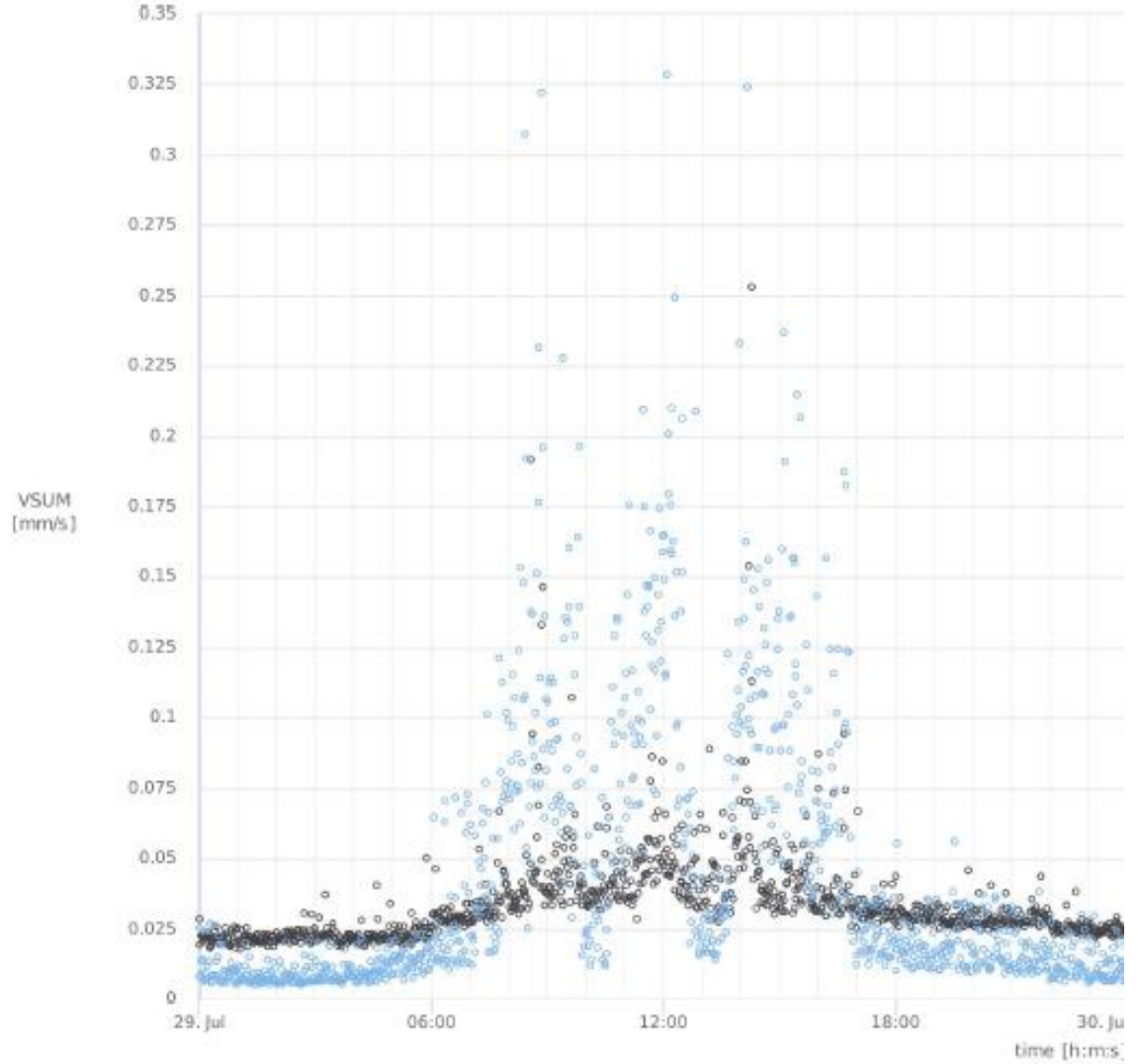


Vector Sum Plot

Devices

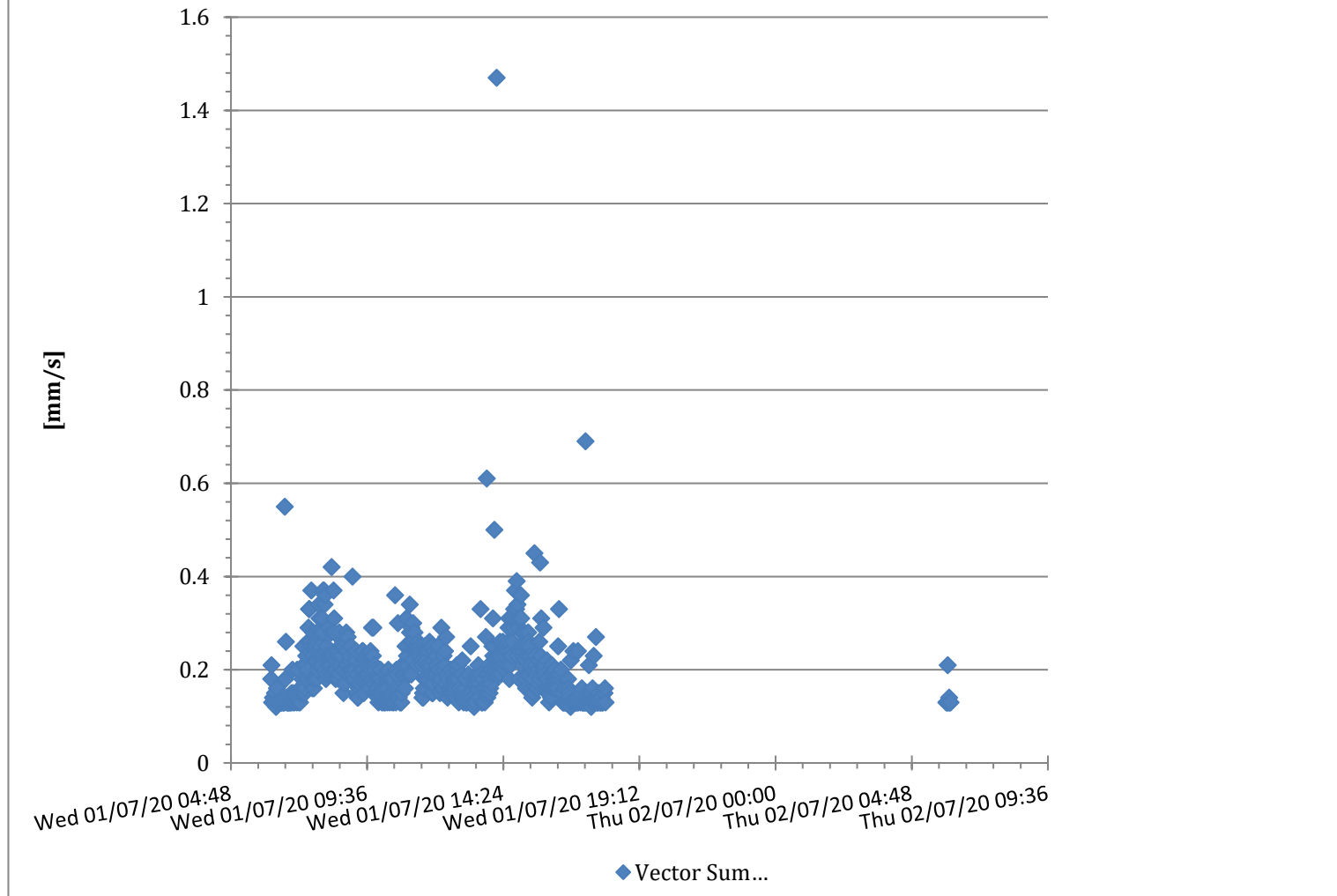
● mr3000-19270000
19270000

● mr3000-19270001
19270001

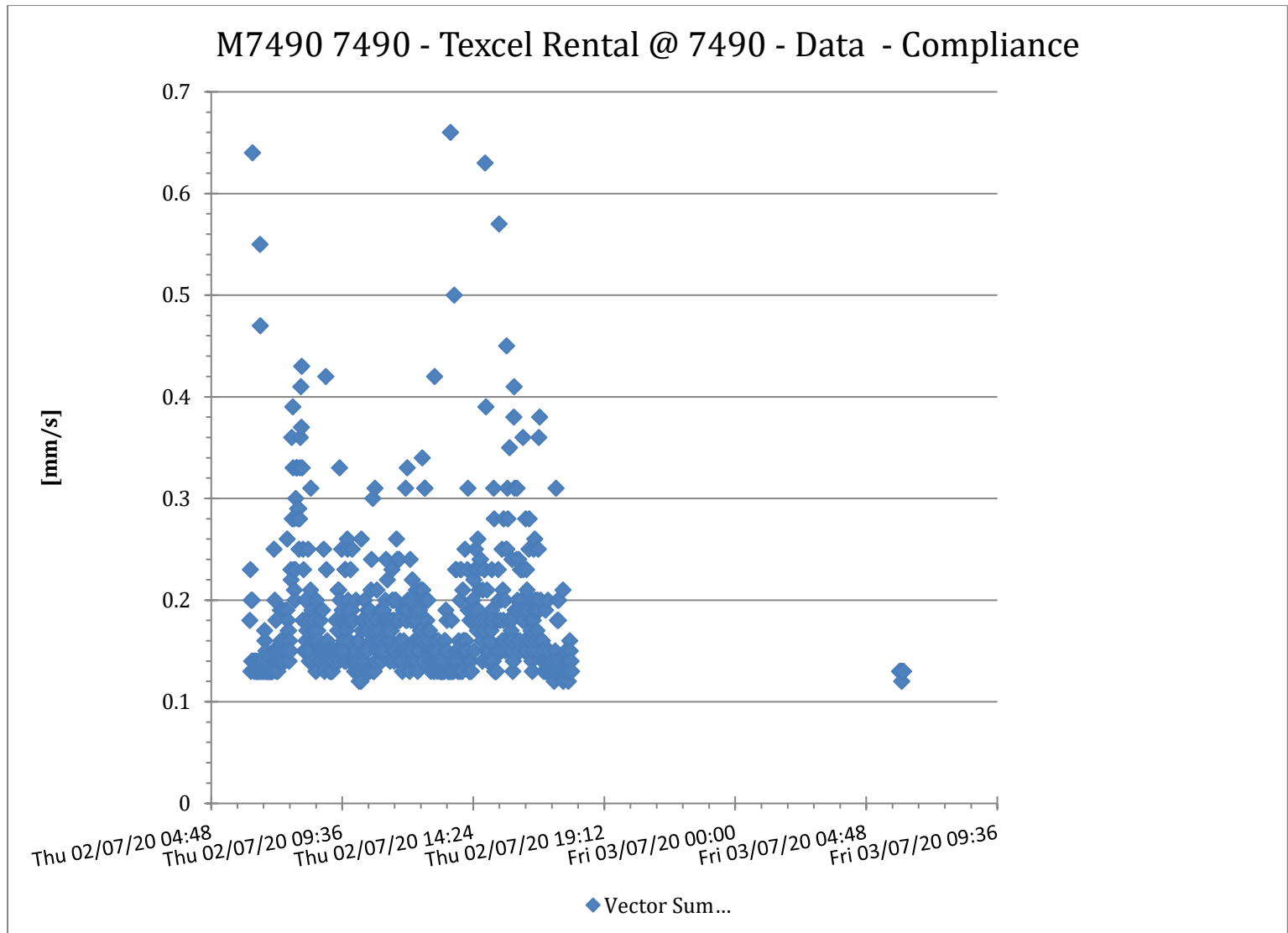


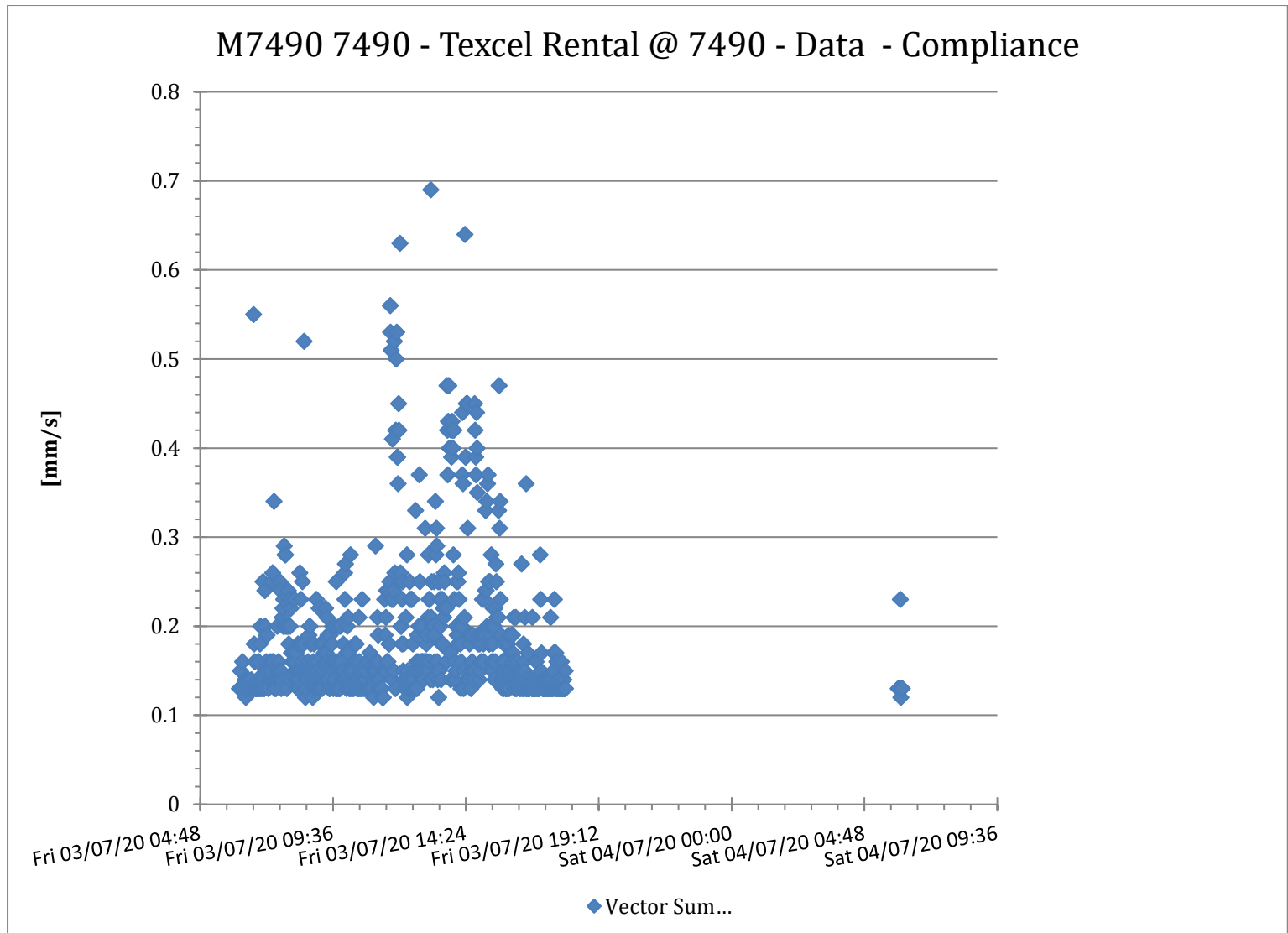
15 Appendix I – Logger Location 7 – Monitor 7490

M7490 7490 - Texcel Rental @ 7490 - Data - Compliance

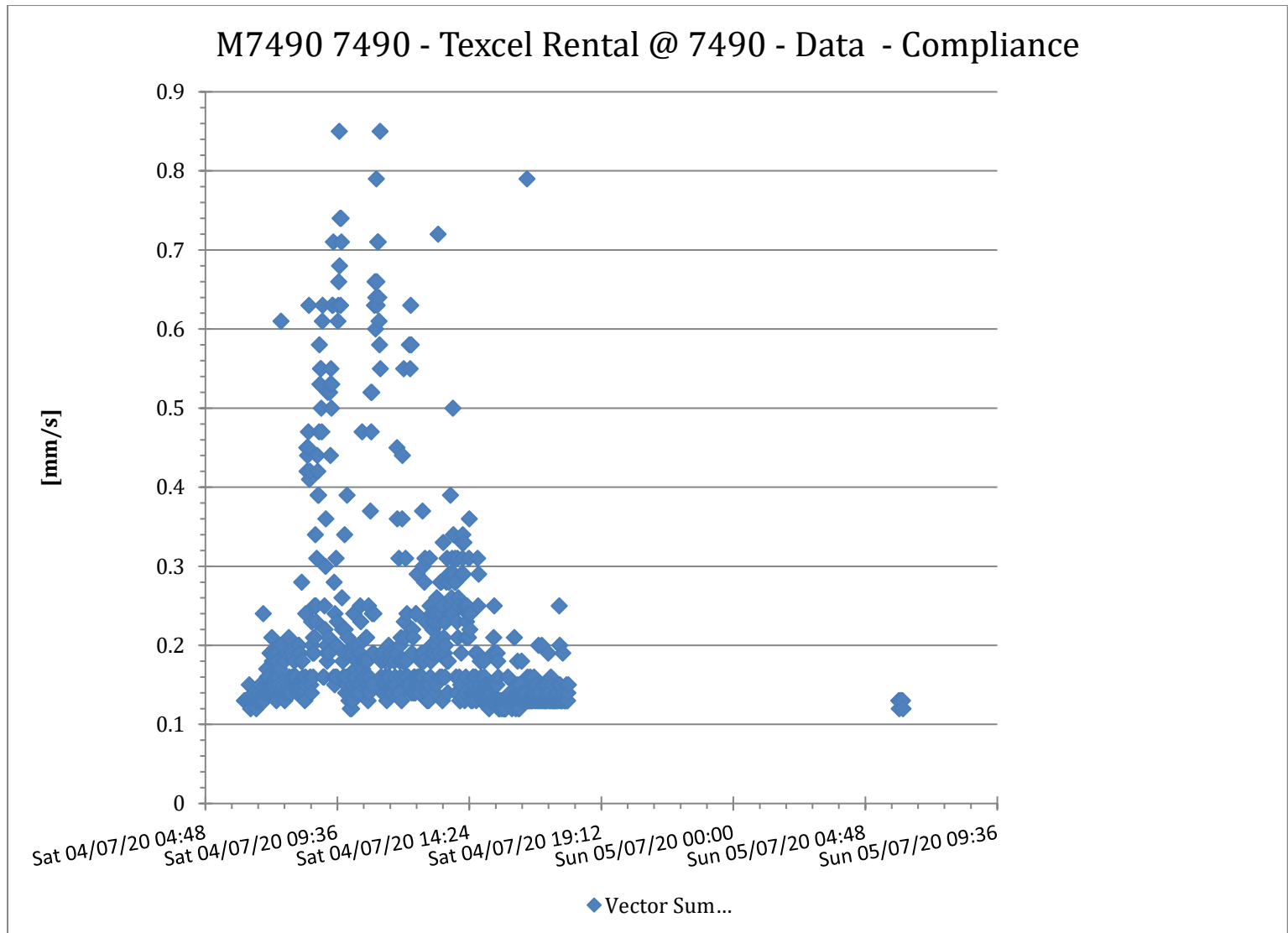


M7490 7490 - Texcel Rental @ 7490 - Data - Compliance

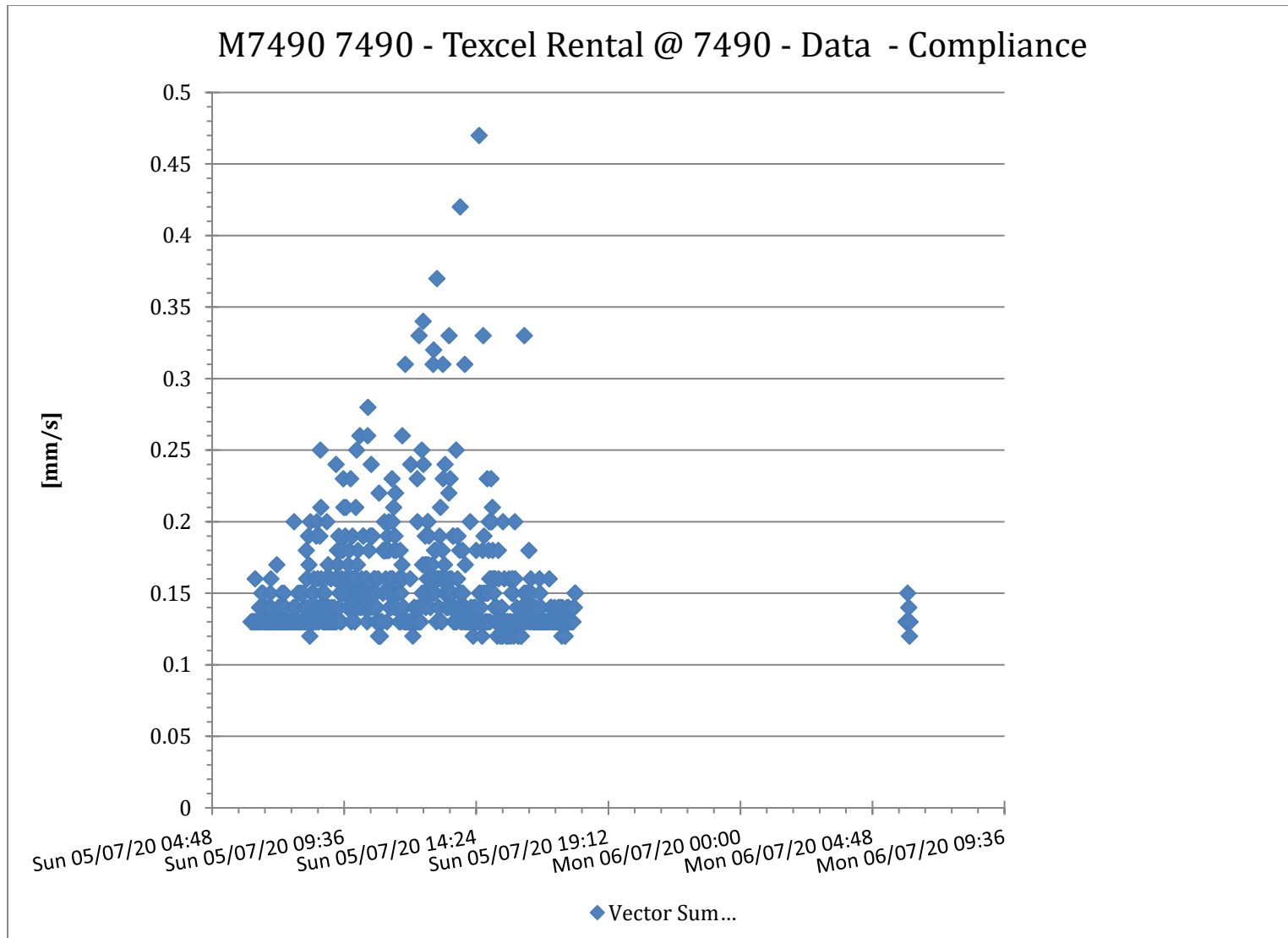




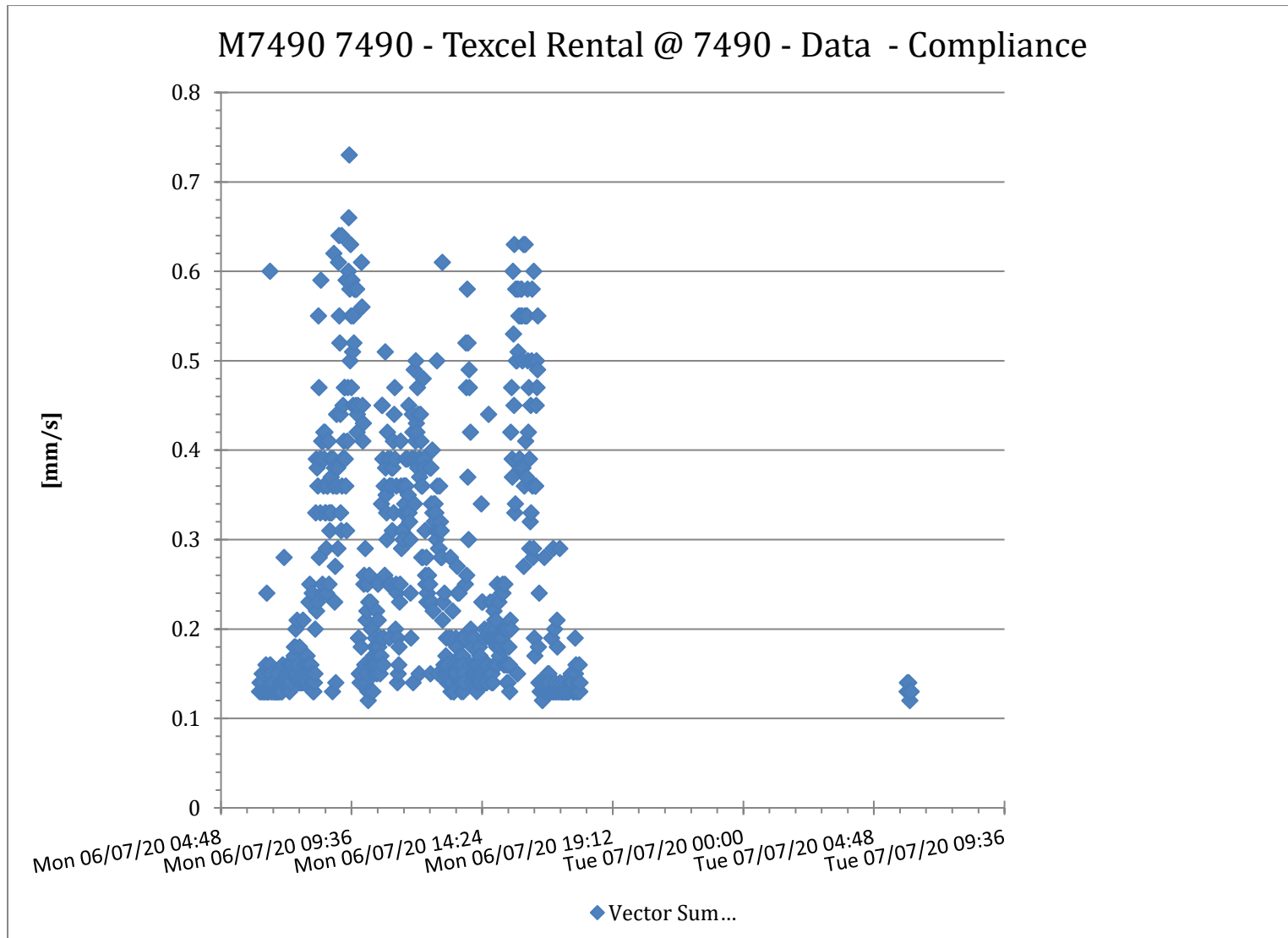
M7490 7490 - Texcel Rental @ 7490 - Data - Compliance



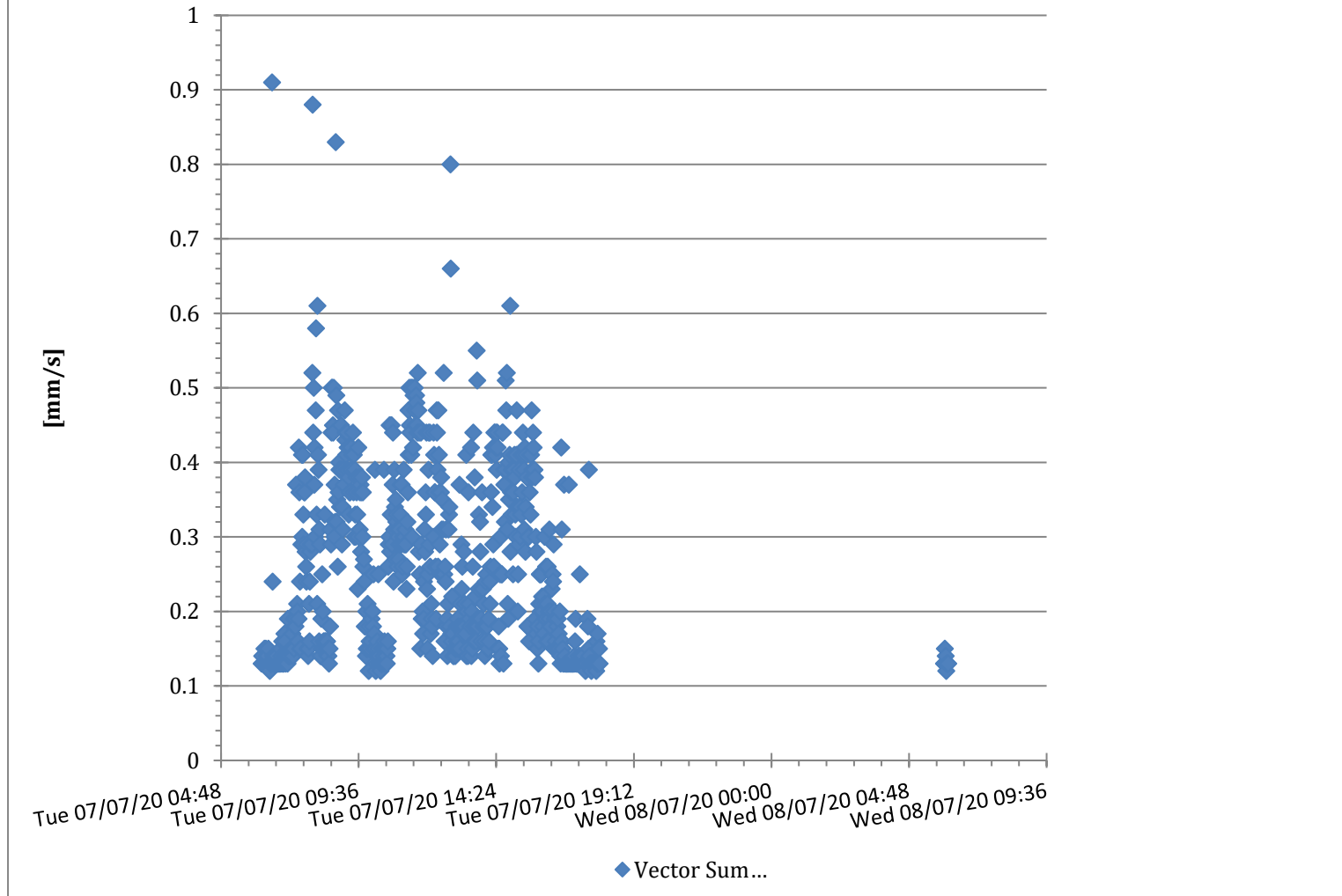
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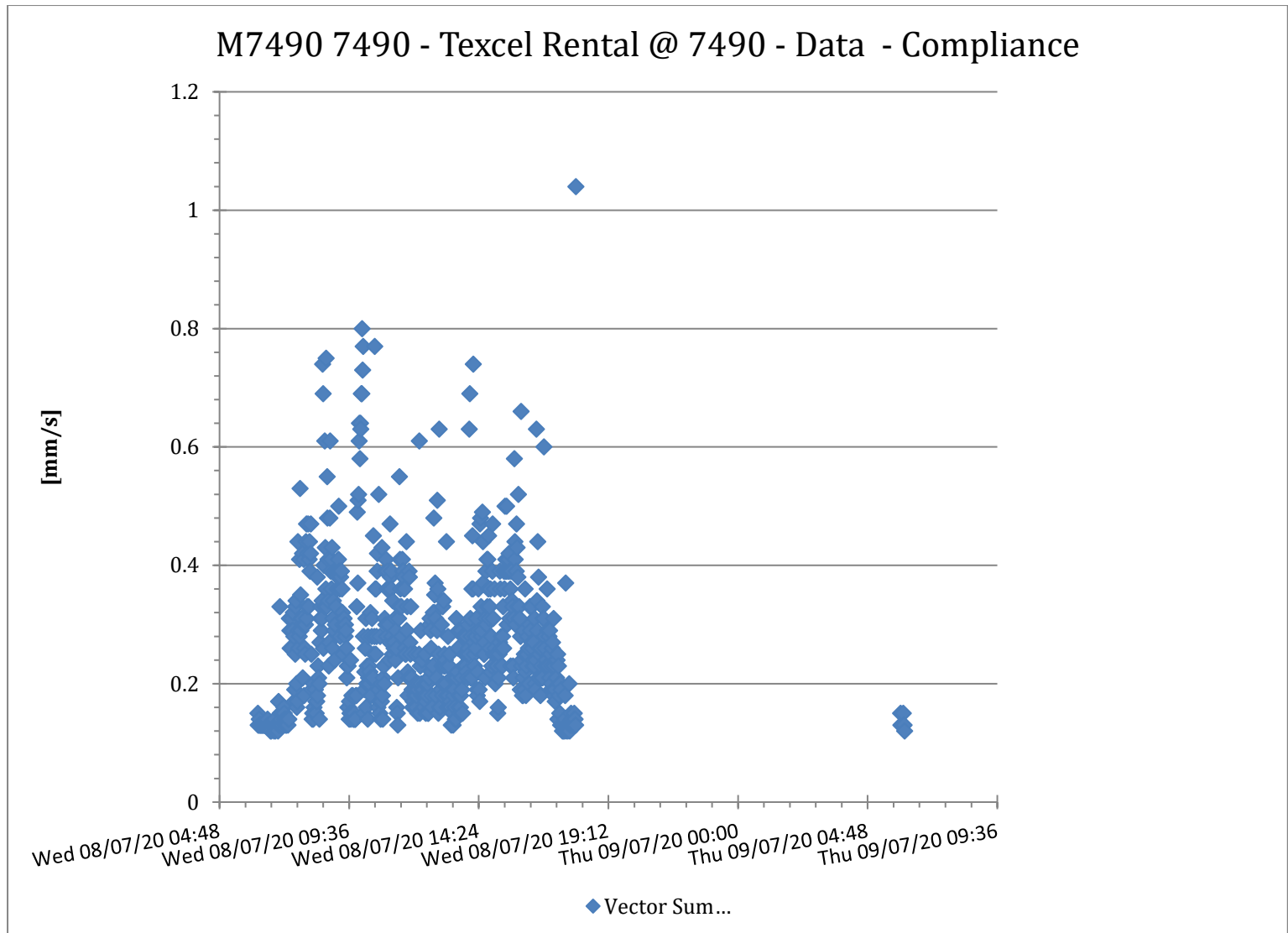


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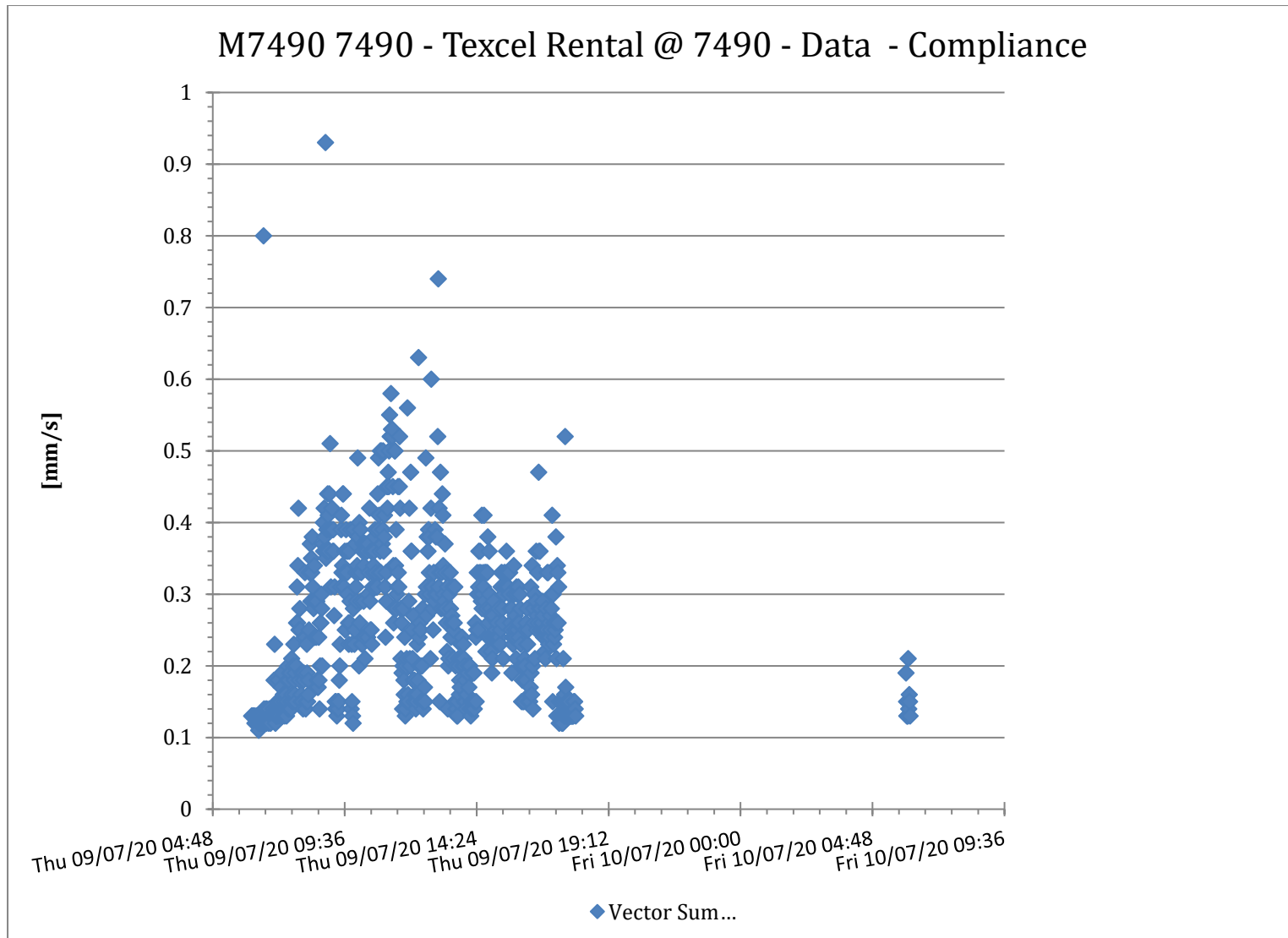


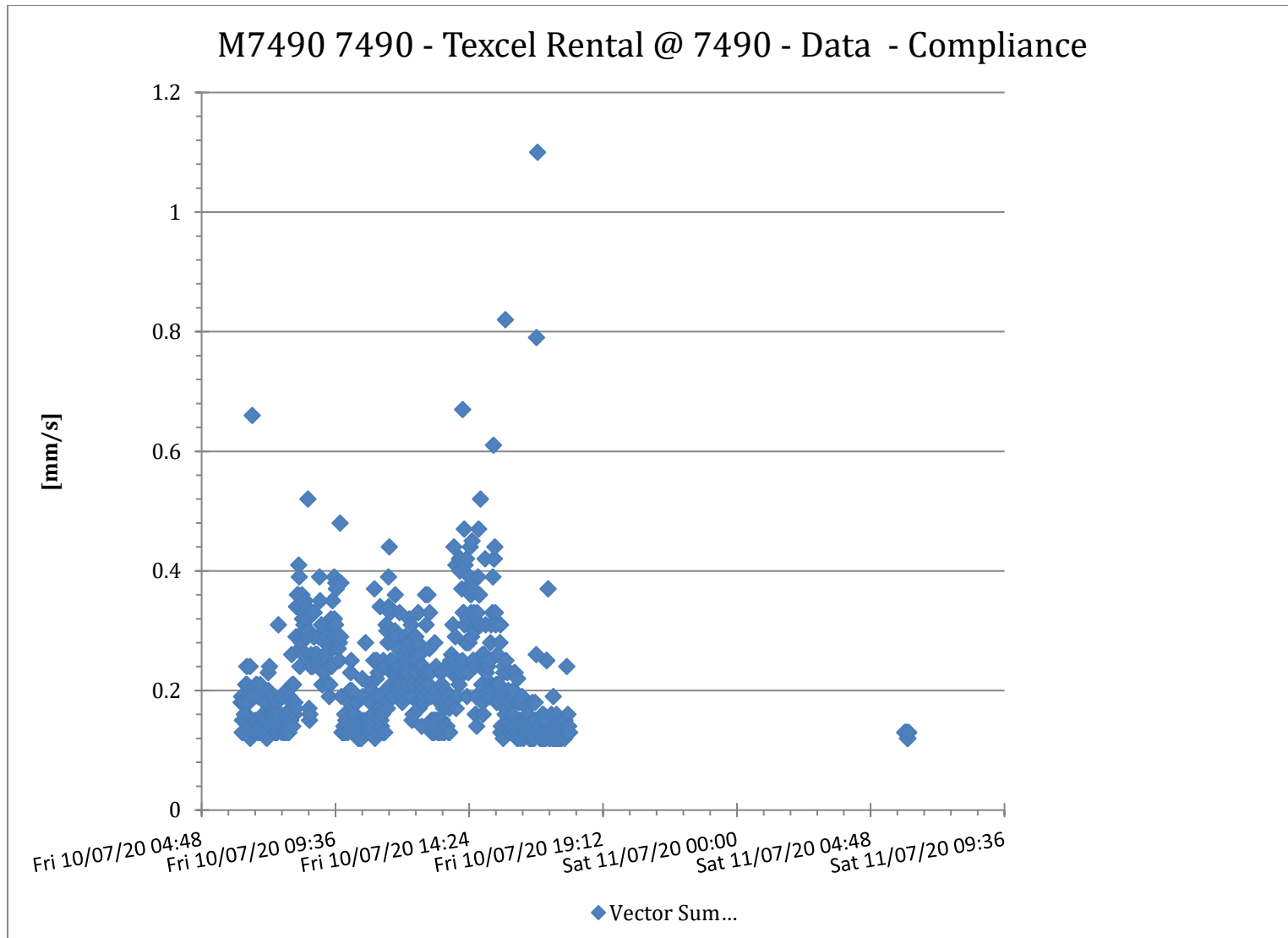
M7490 7490 - Texcel Rental @ 7490 - Data - Compliance



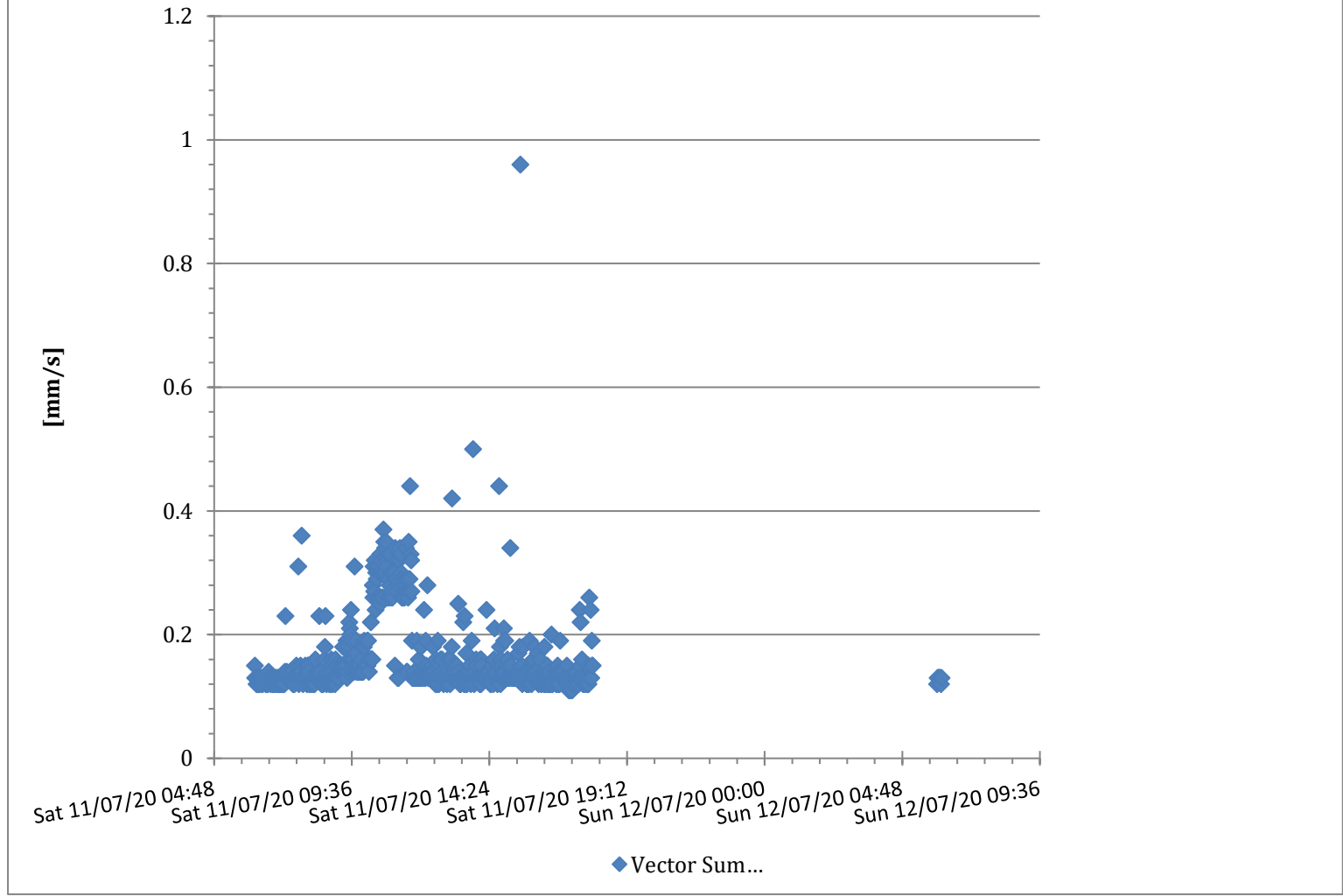


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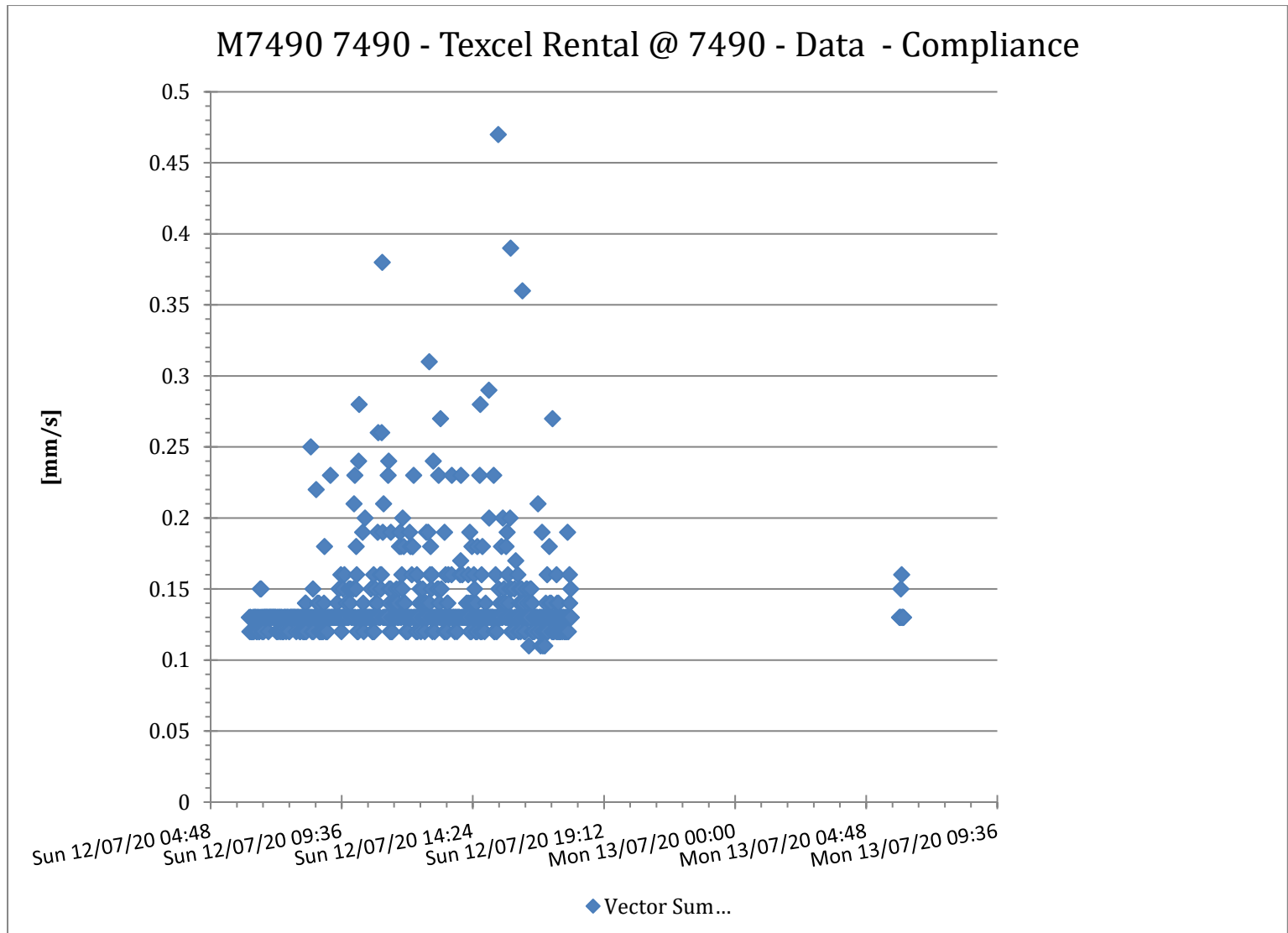




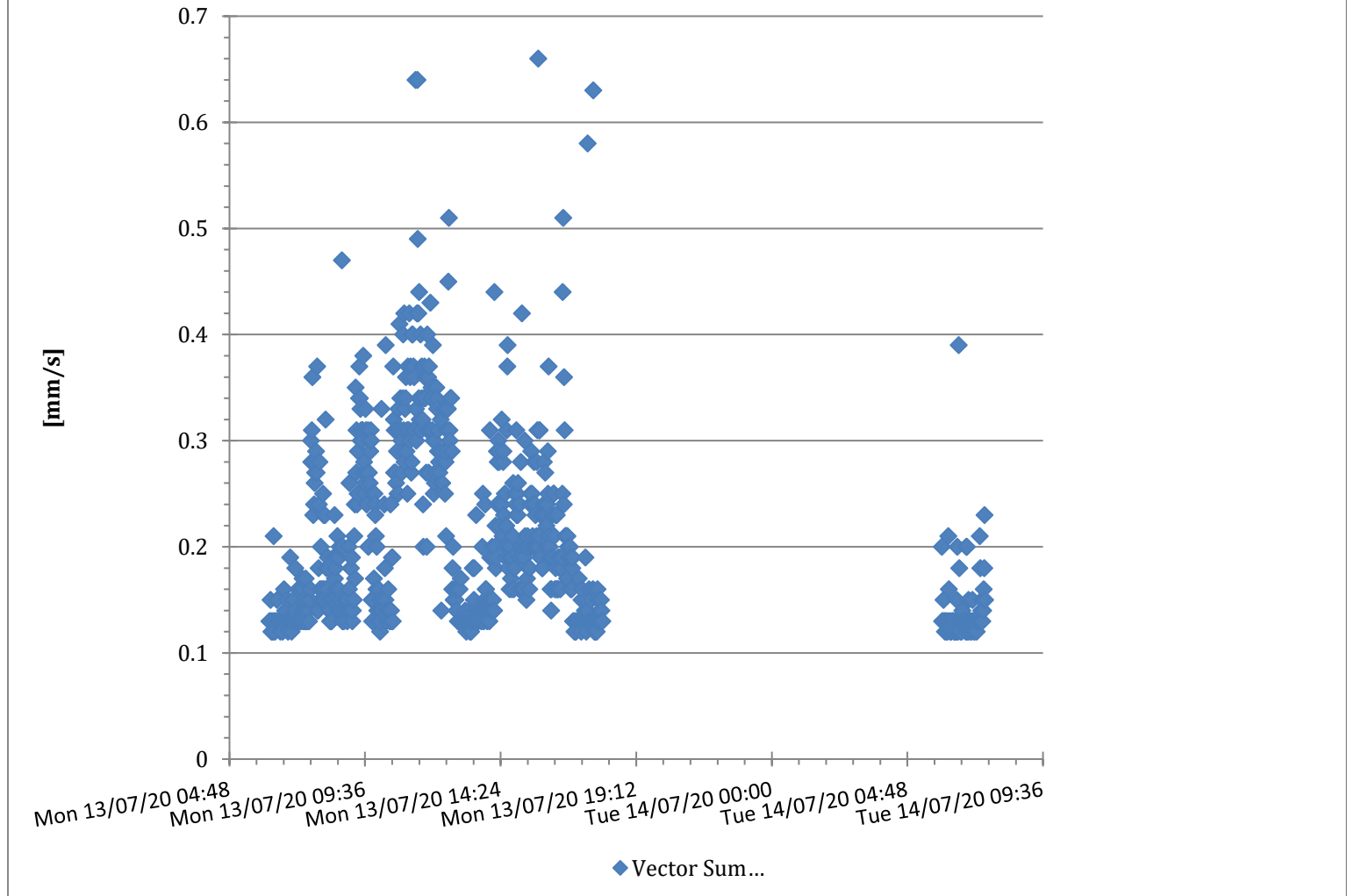
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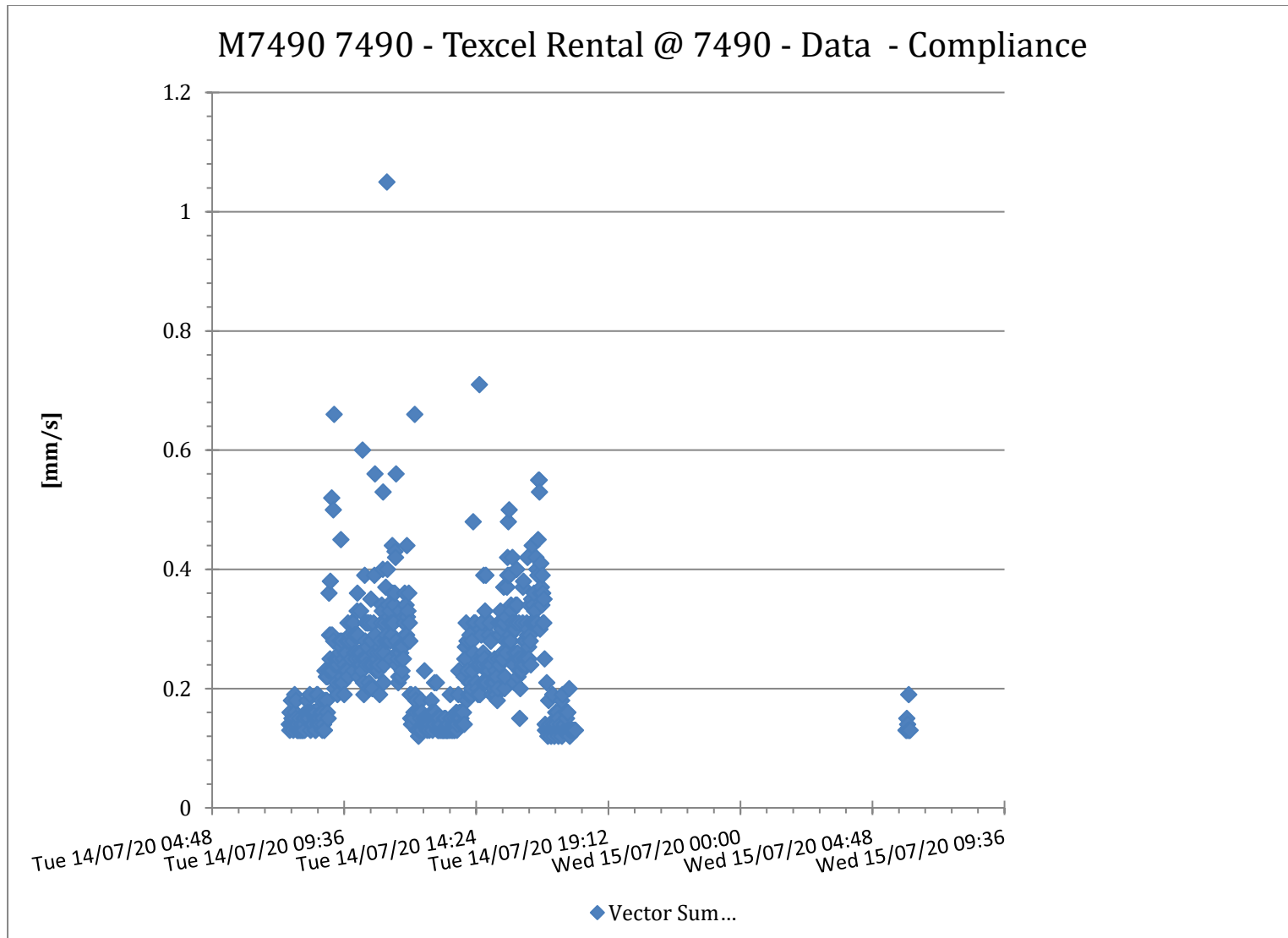
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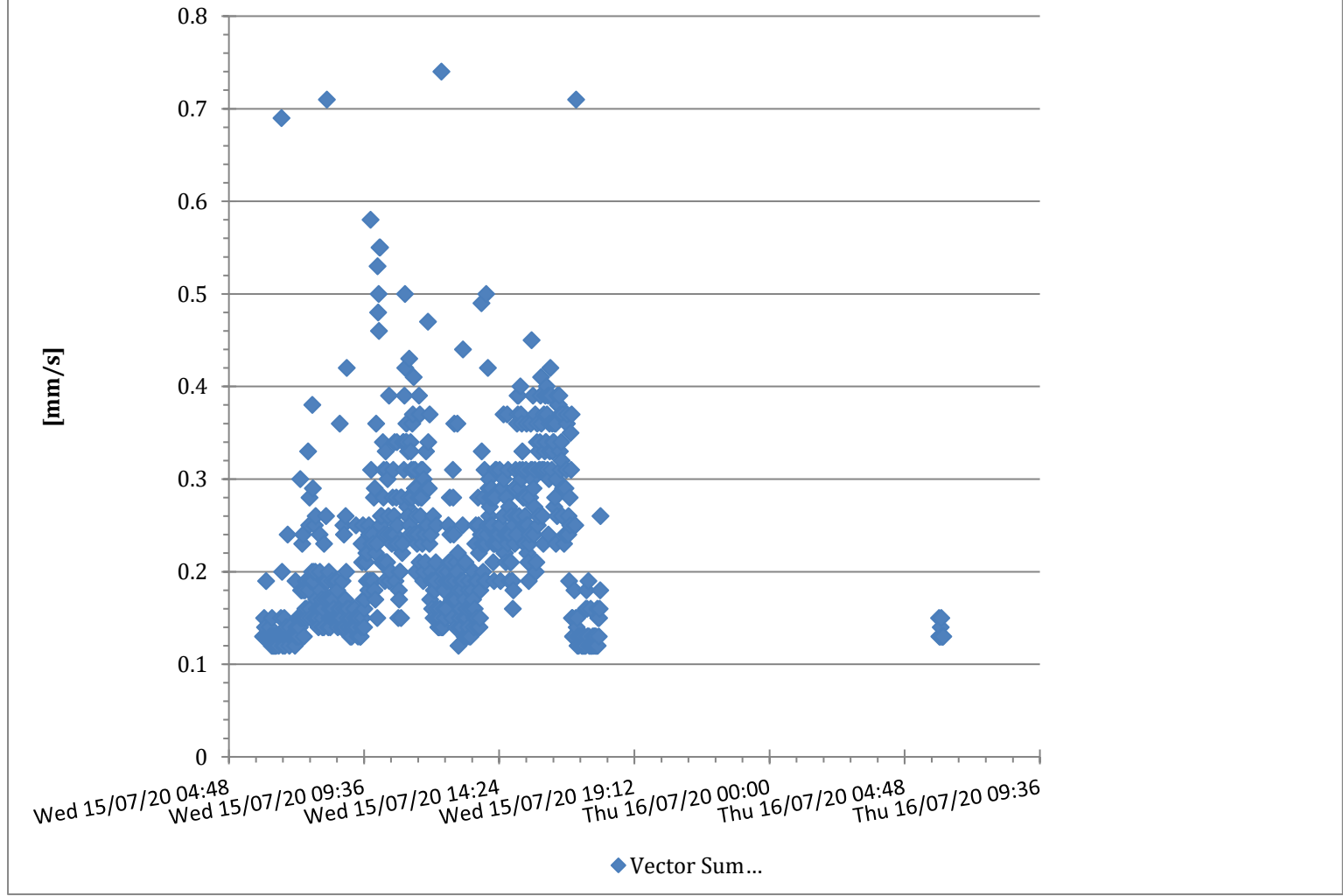
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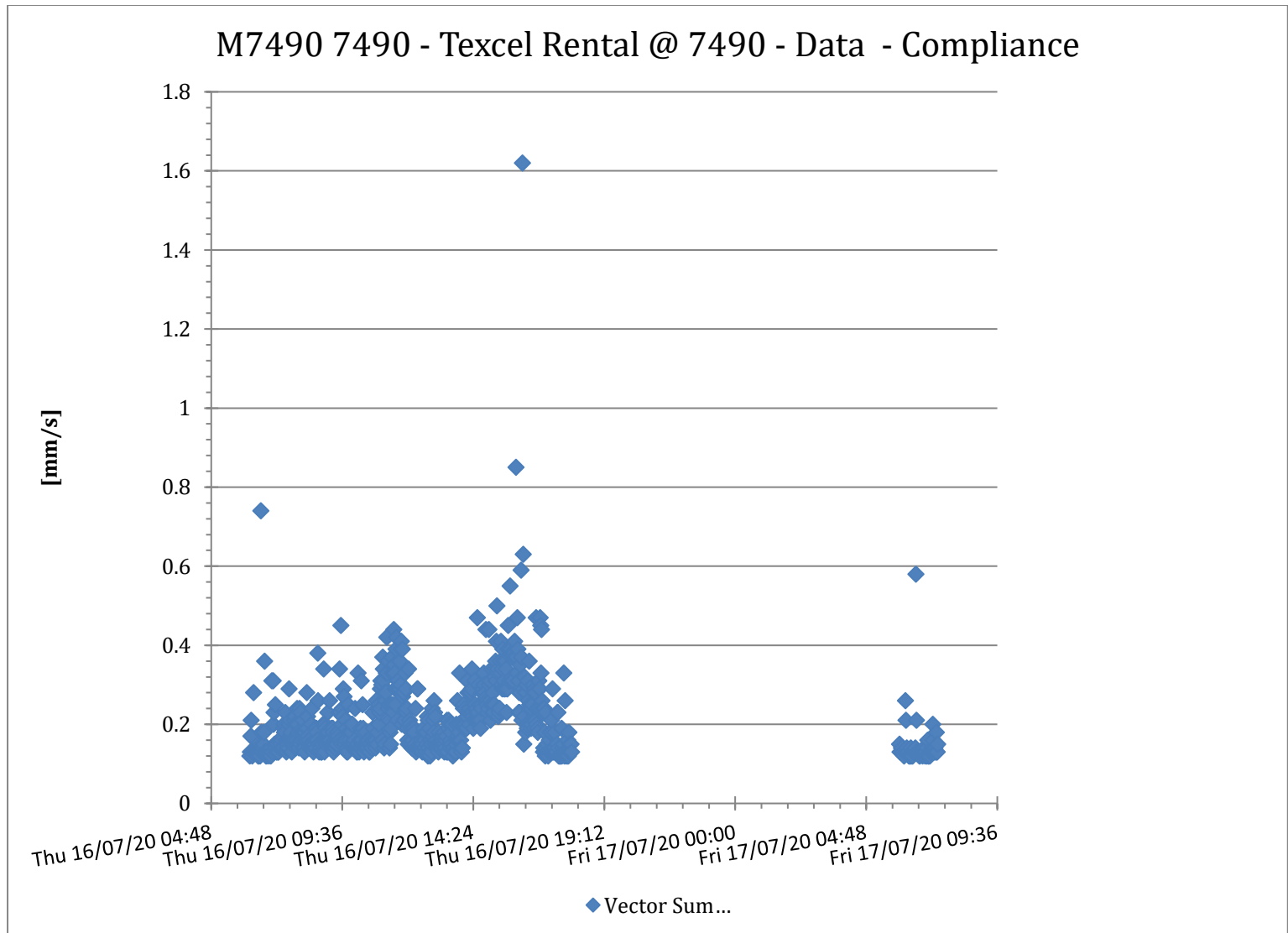
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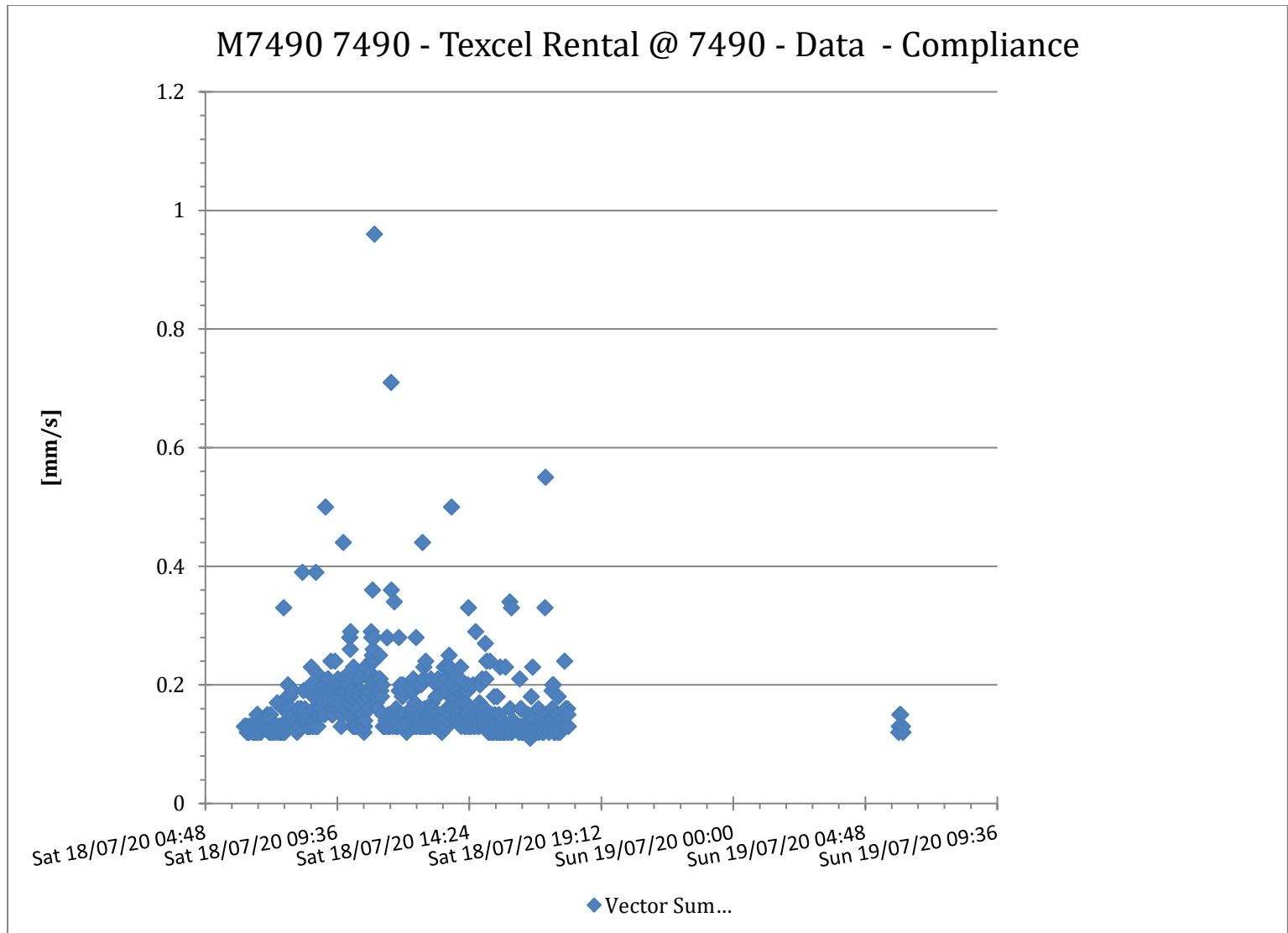


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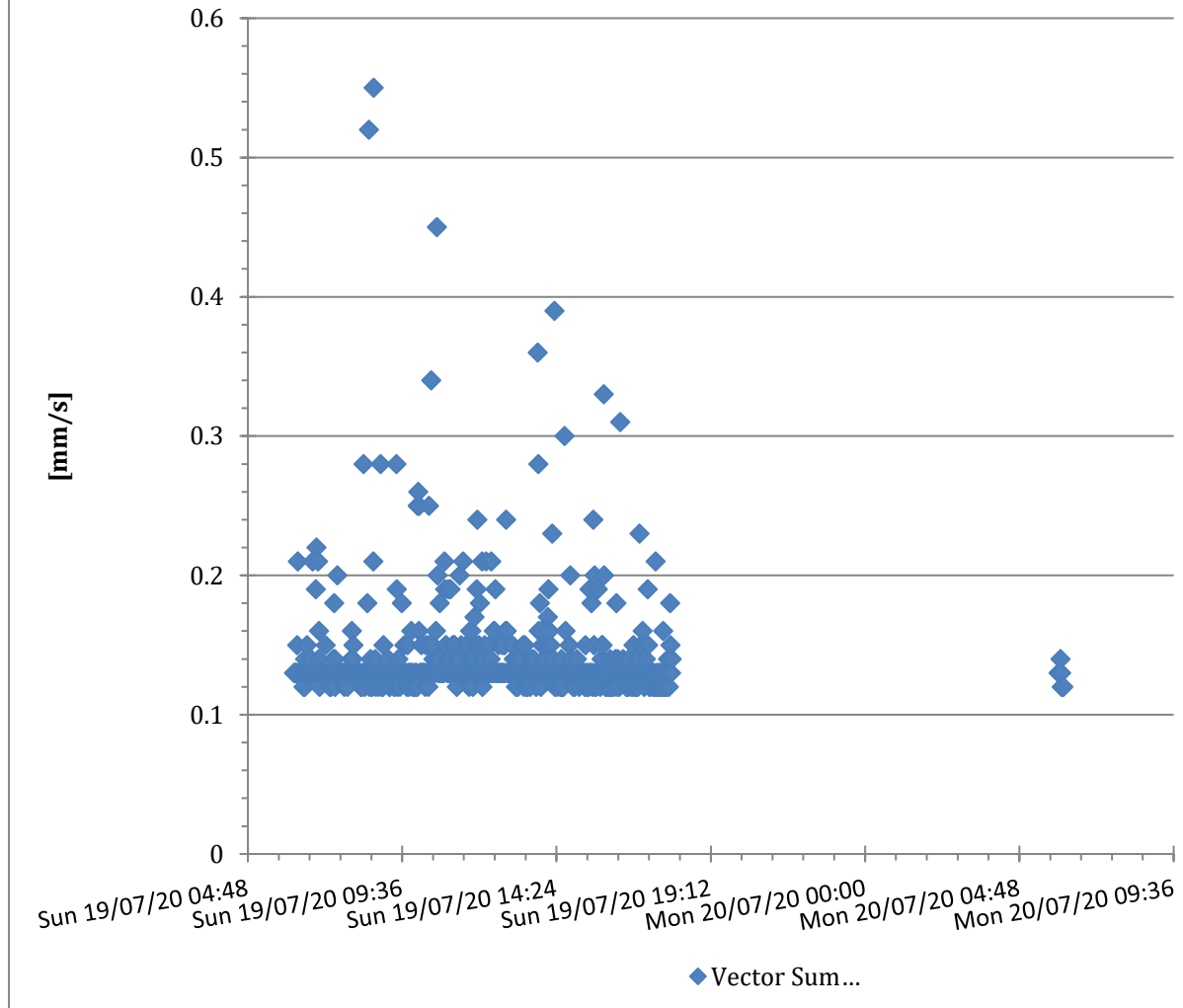


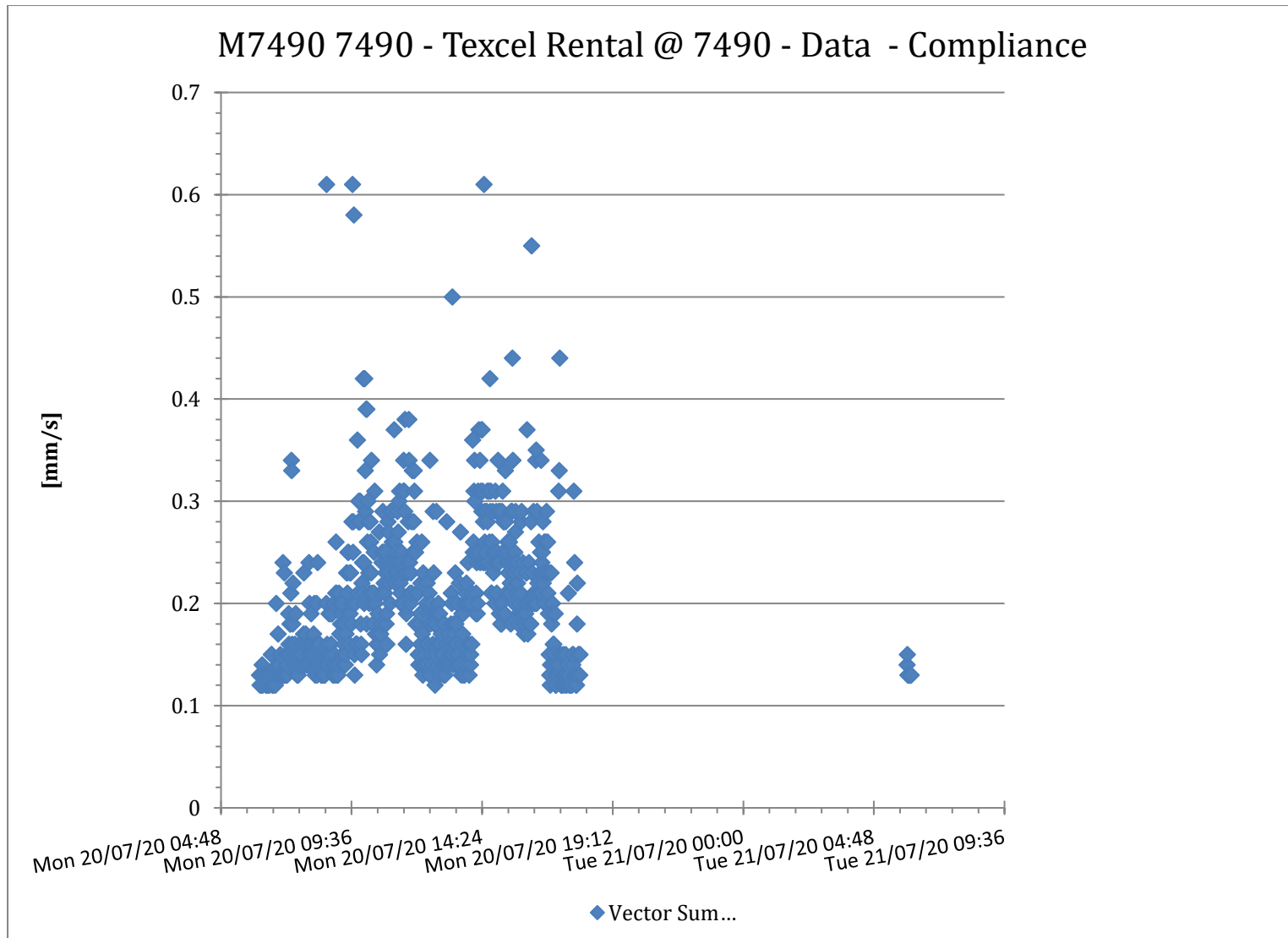
M7490 7490 - Texcel Rental @ 7490 - Data - Compliance



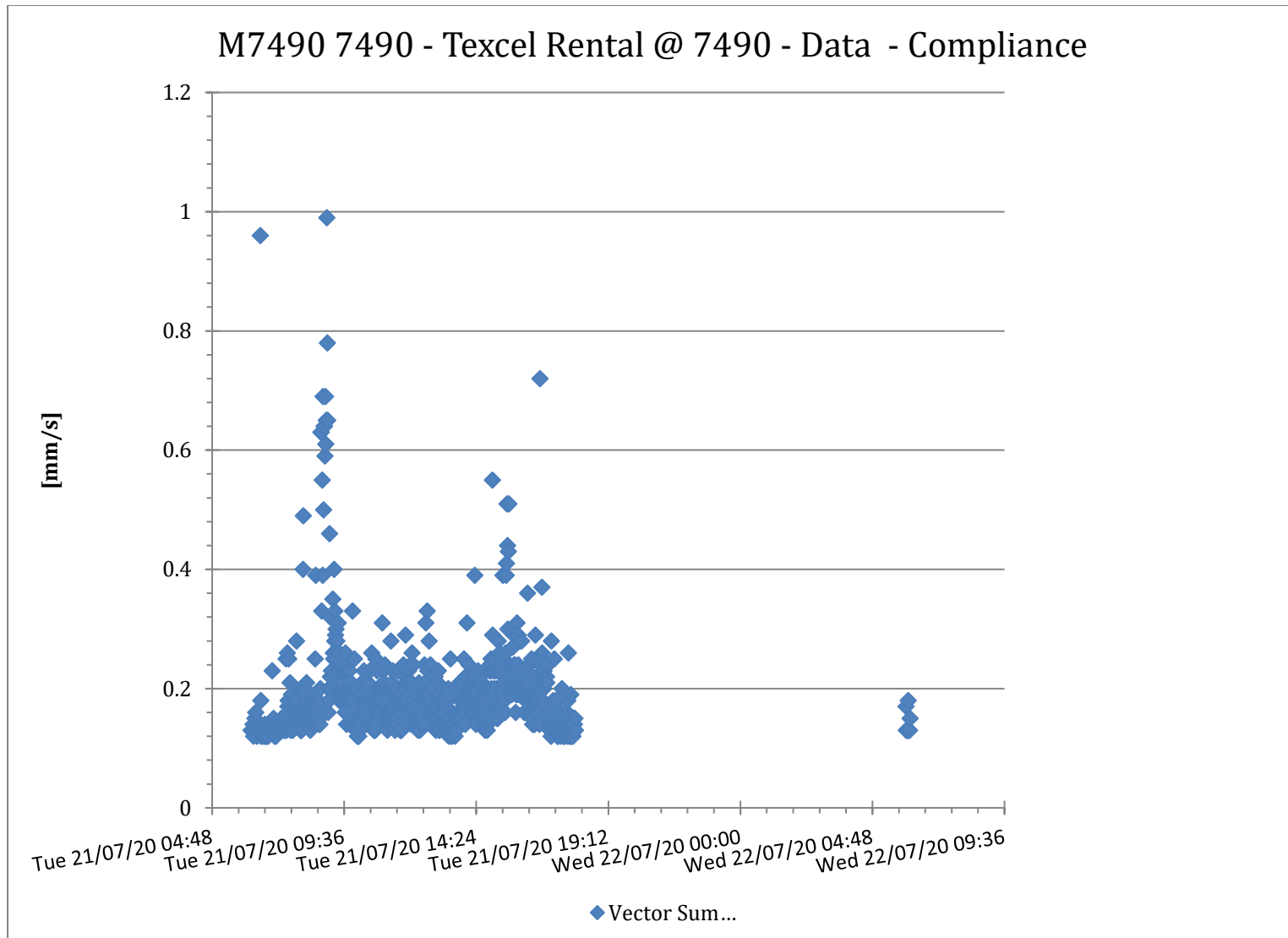


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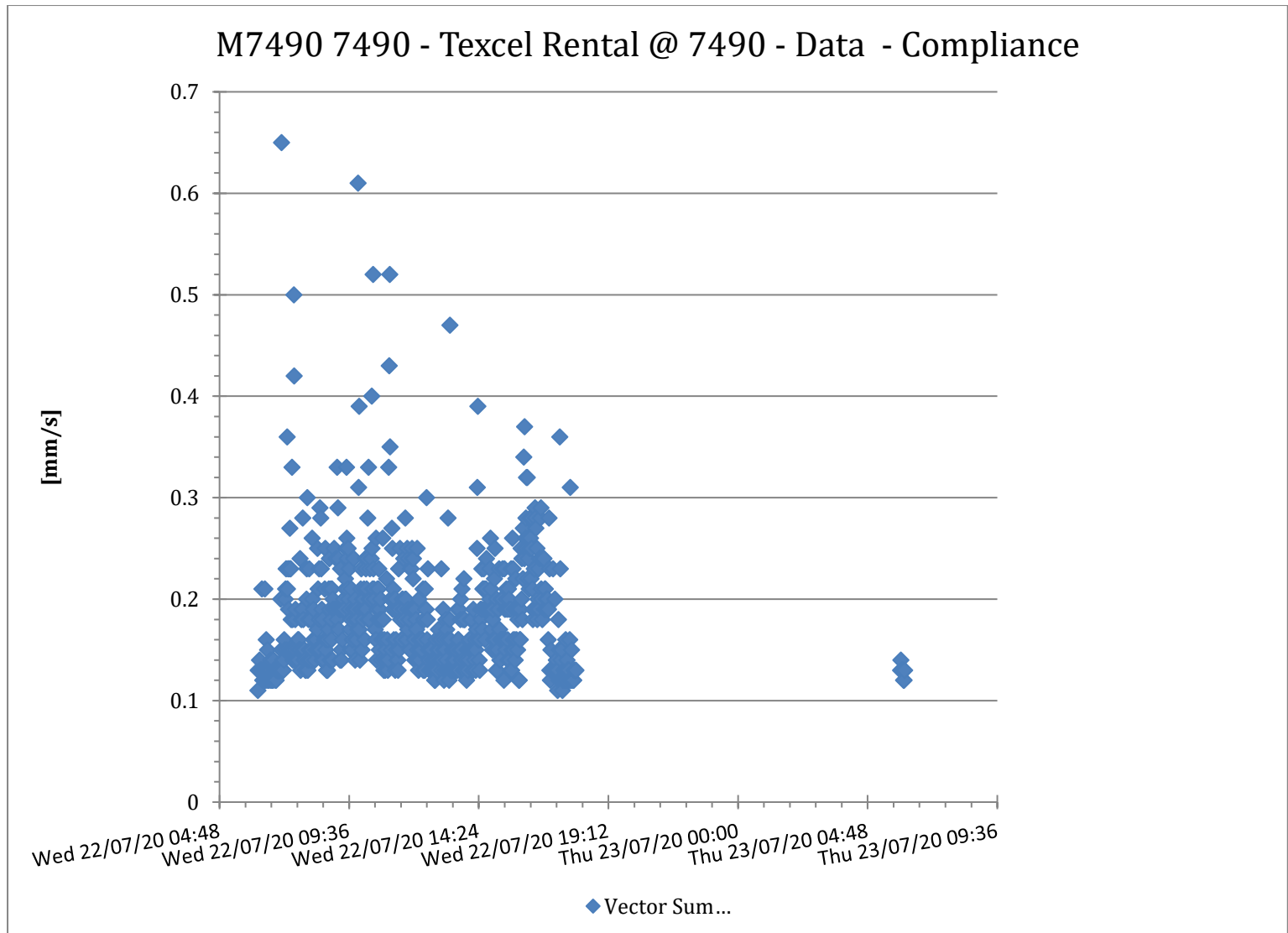




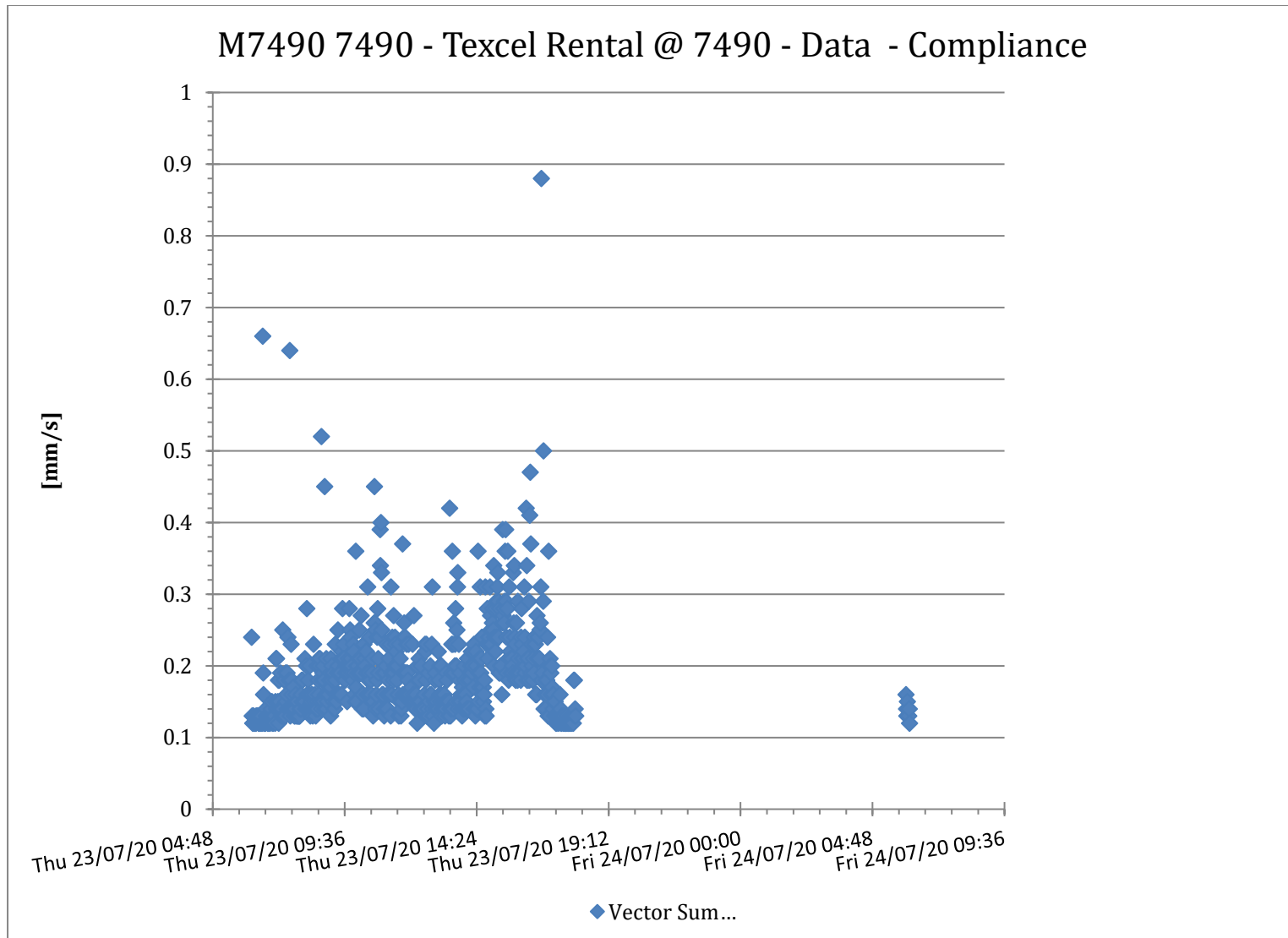
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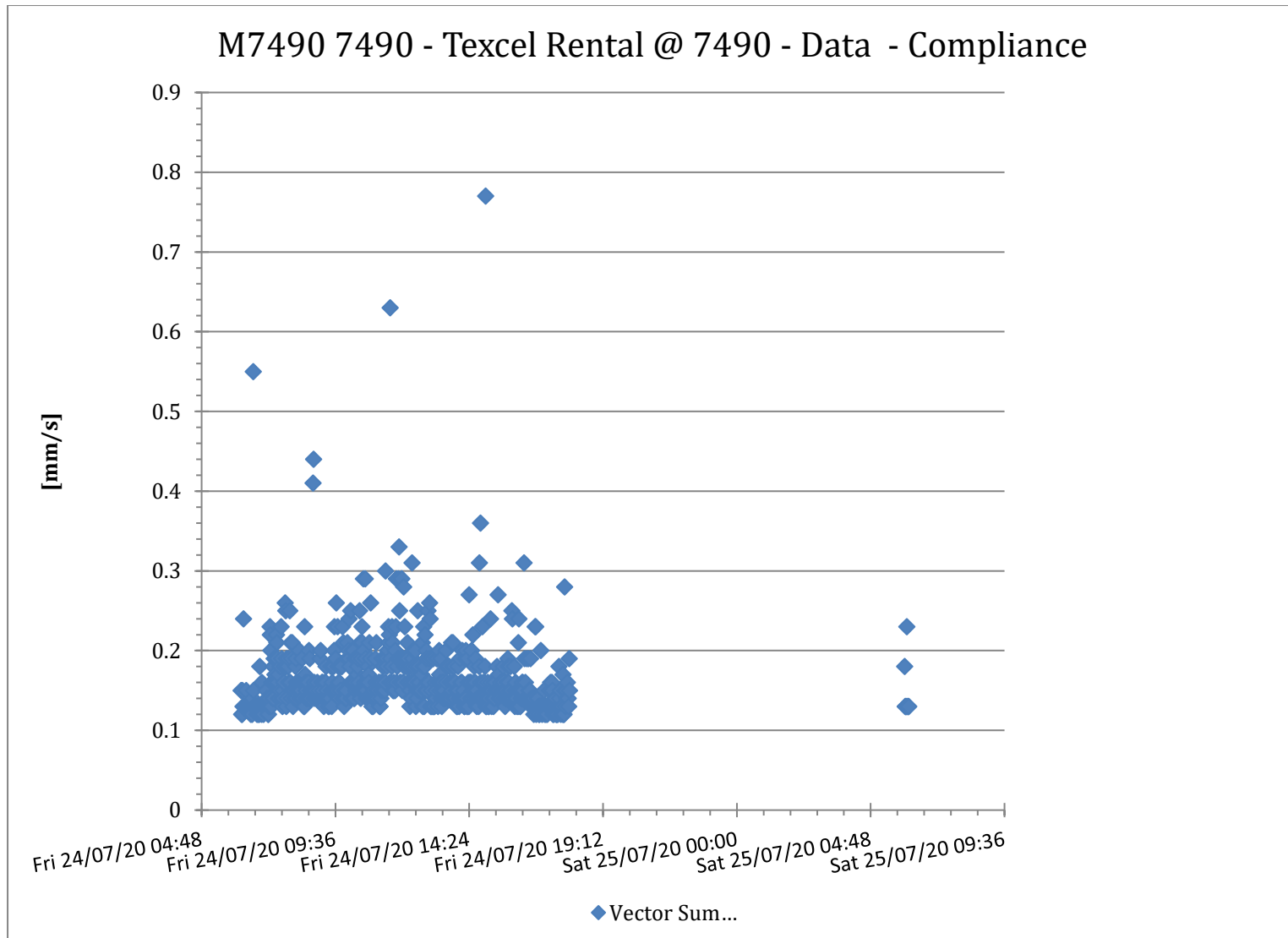


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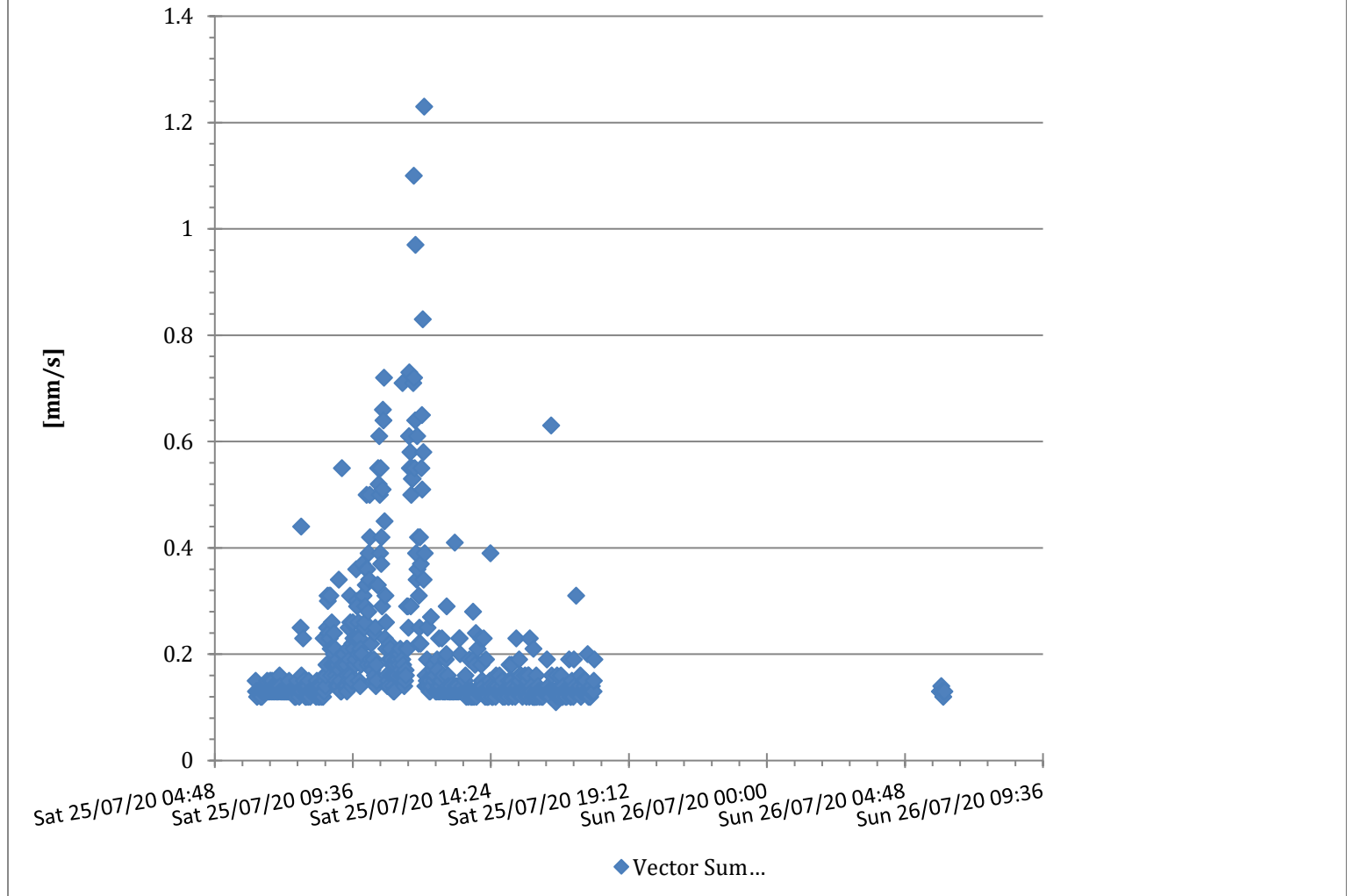


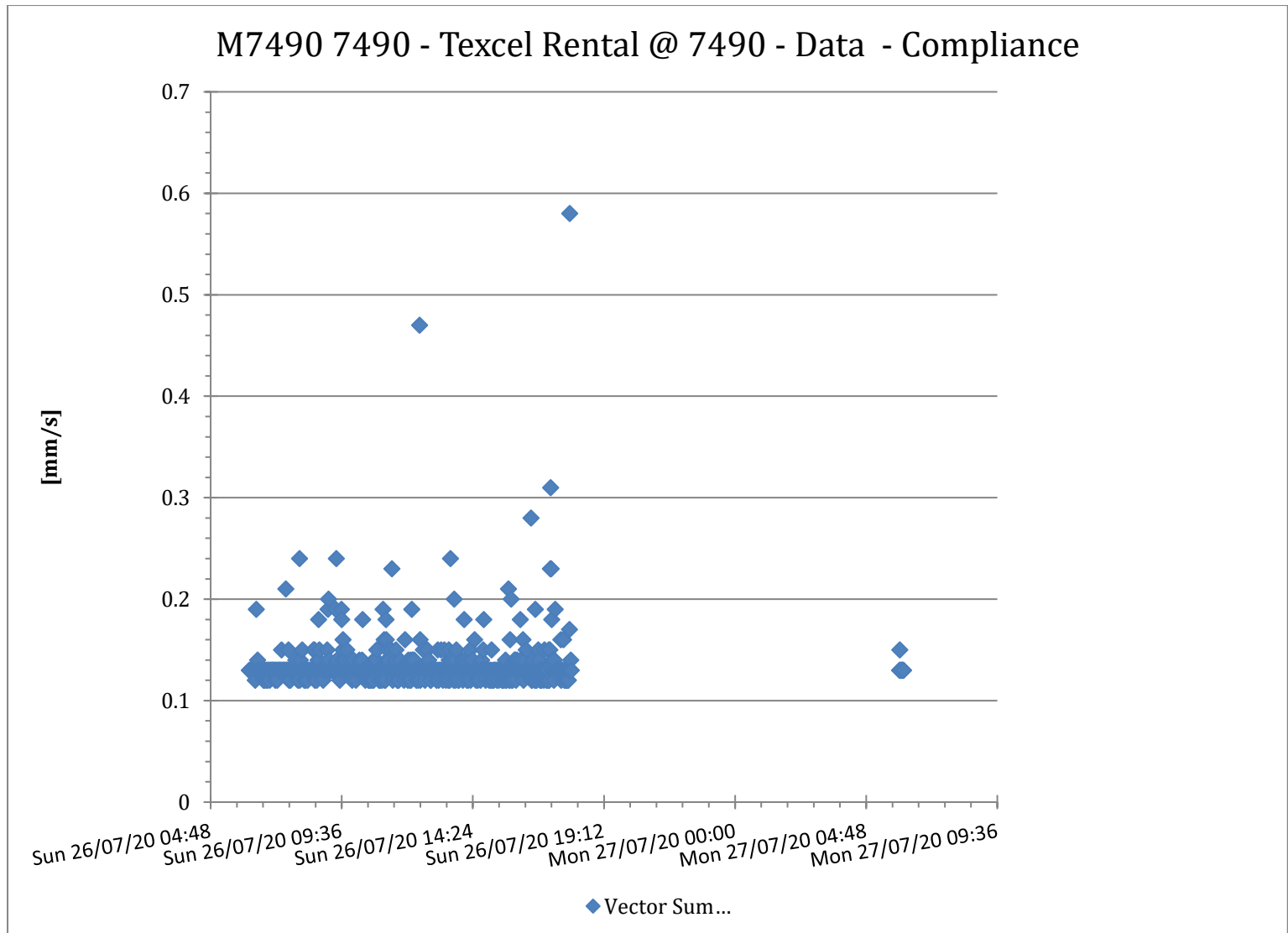
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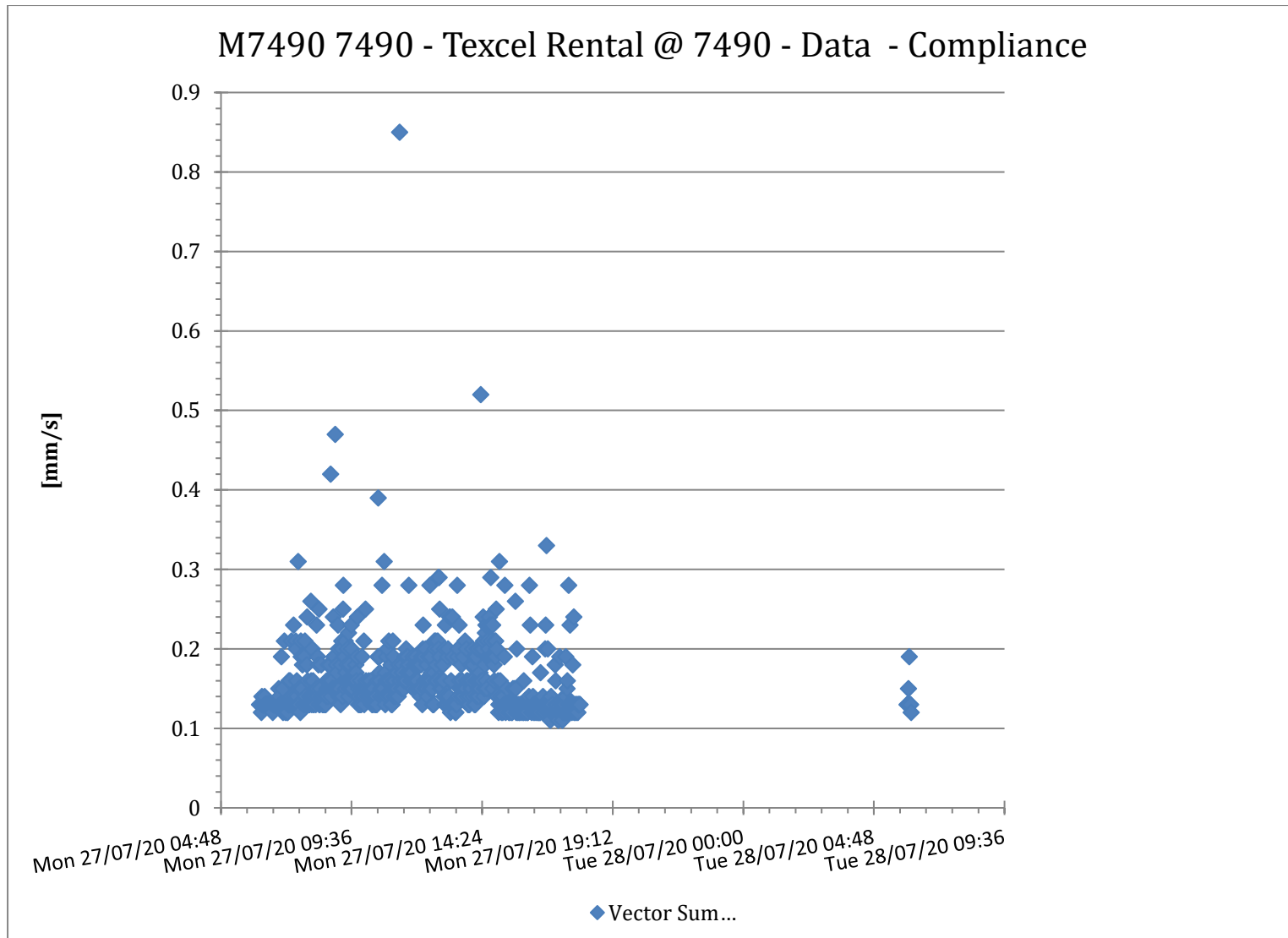




M7490 7490 - Texcel Rental @ 7490 - Data - Compliance







M7490 7490 - Texcel Rental @ 7490 - Data - Compliance

