



Richard Crookes Constructions

The Art Gallery of NSW  
Sydney Modern Development

Noise and Vibration Monitoring Results  
Report June

White Noise Acoustics  
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Document Control

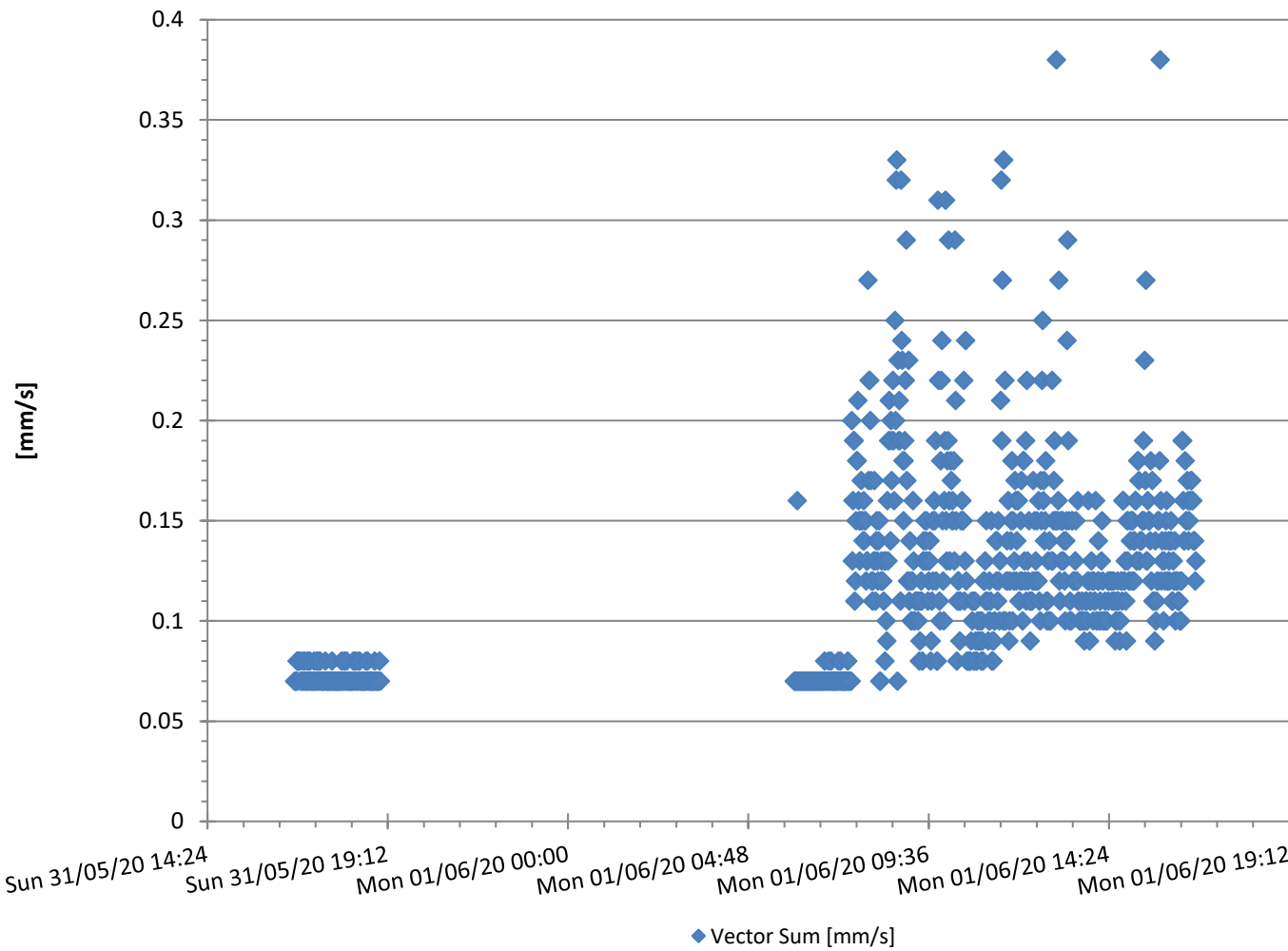
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<b>0</b>	2/07/2020	19078_200702_Monitoring Results_June_BW_R0	BW	BW

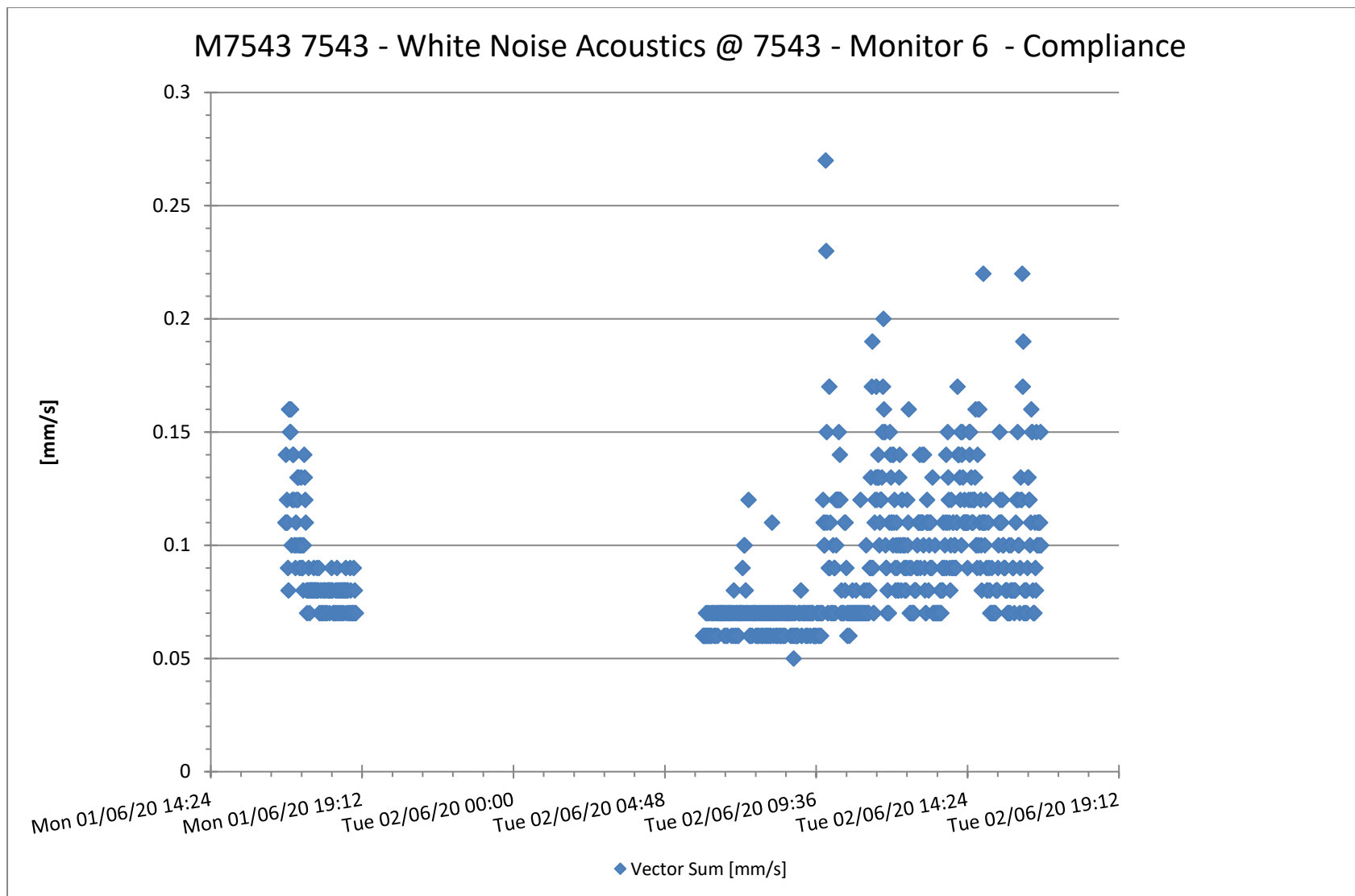


## **8 Appendix B – Logger Location 1 – Monitor 7543**

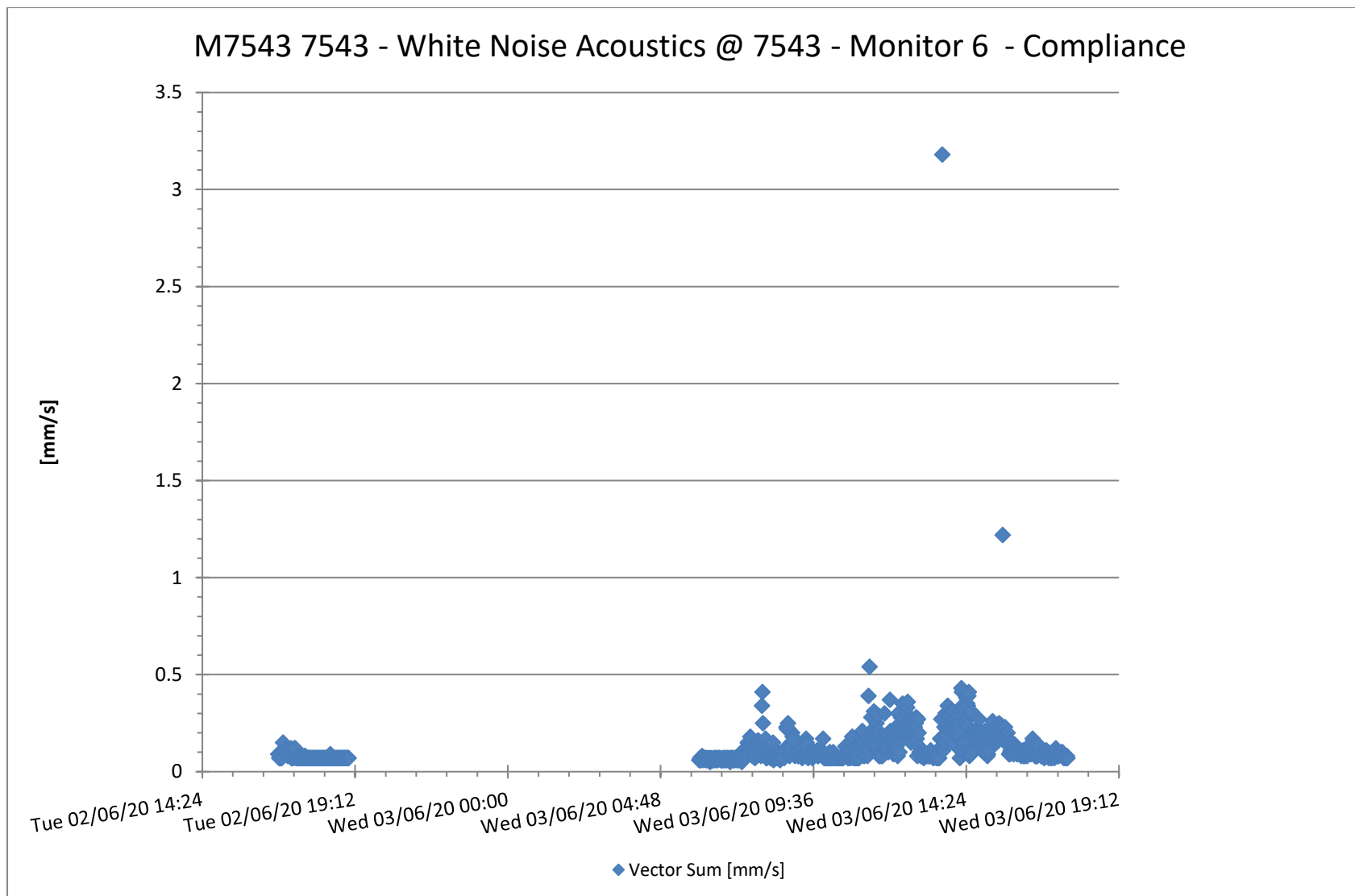
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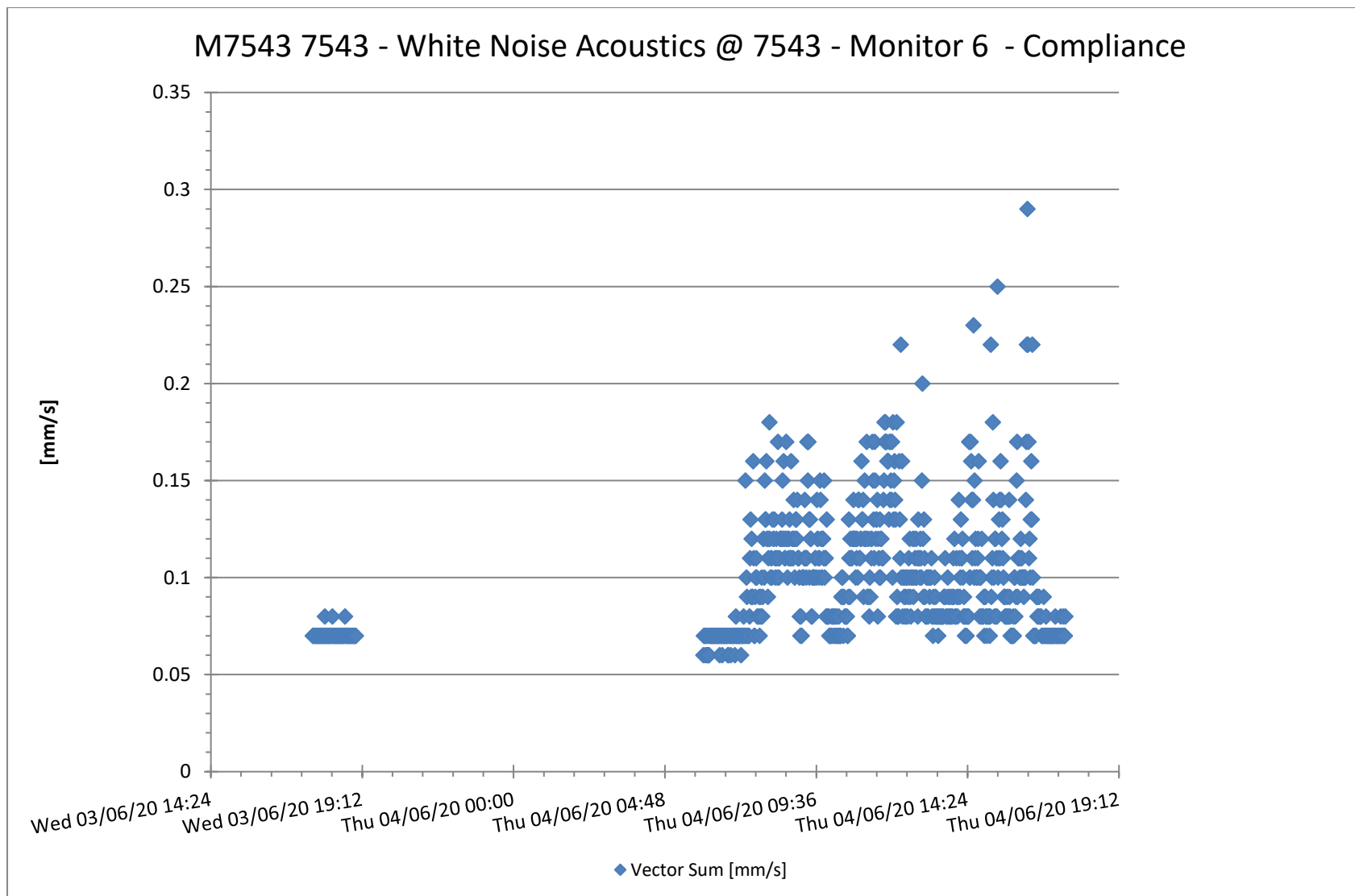
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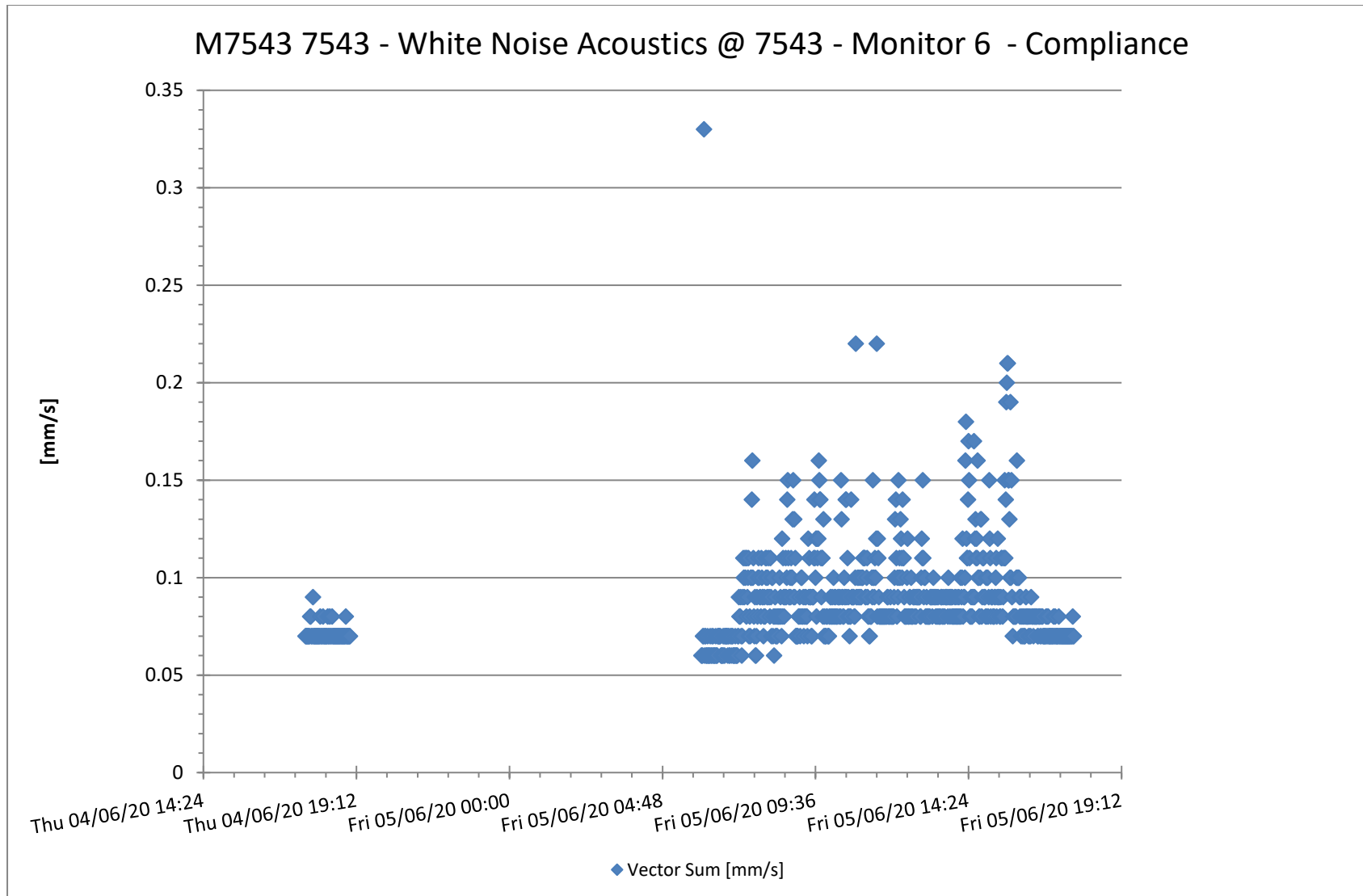
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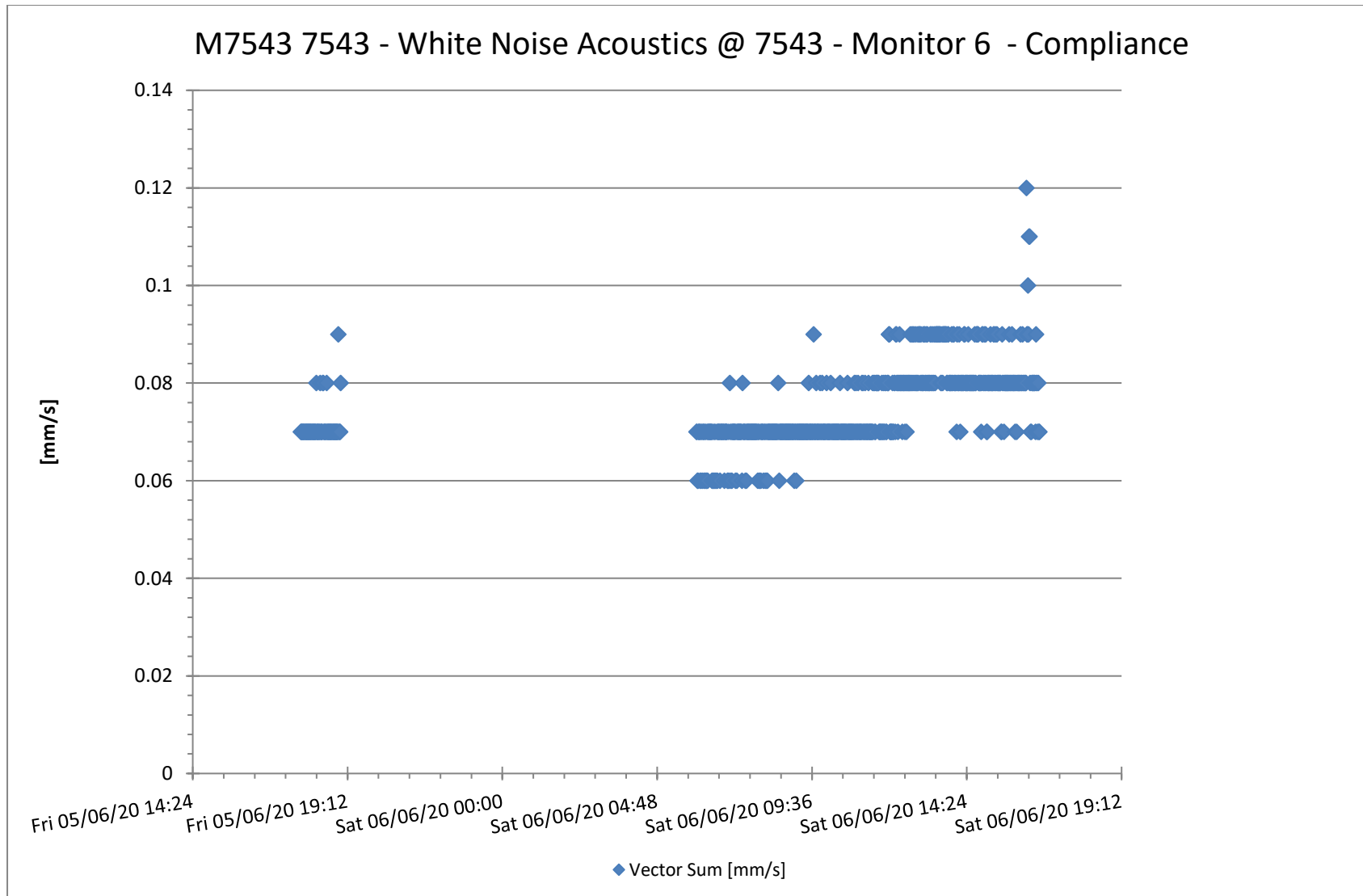


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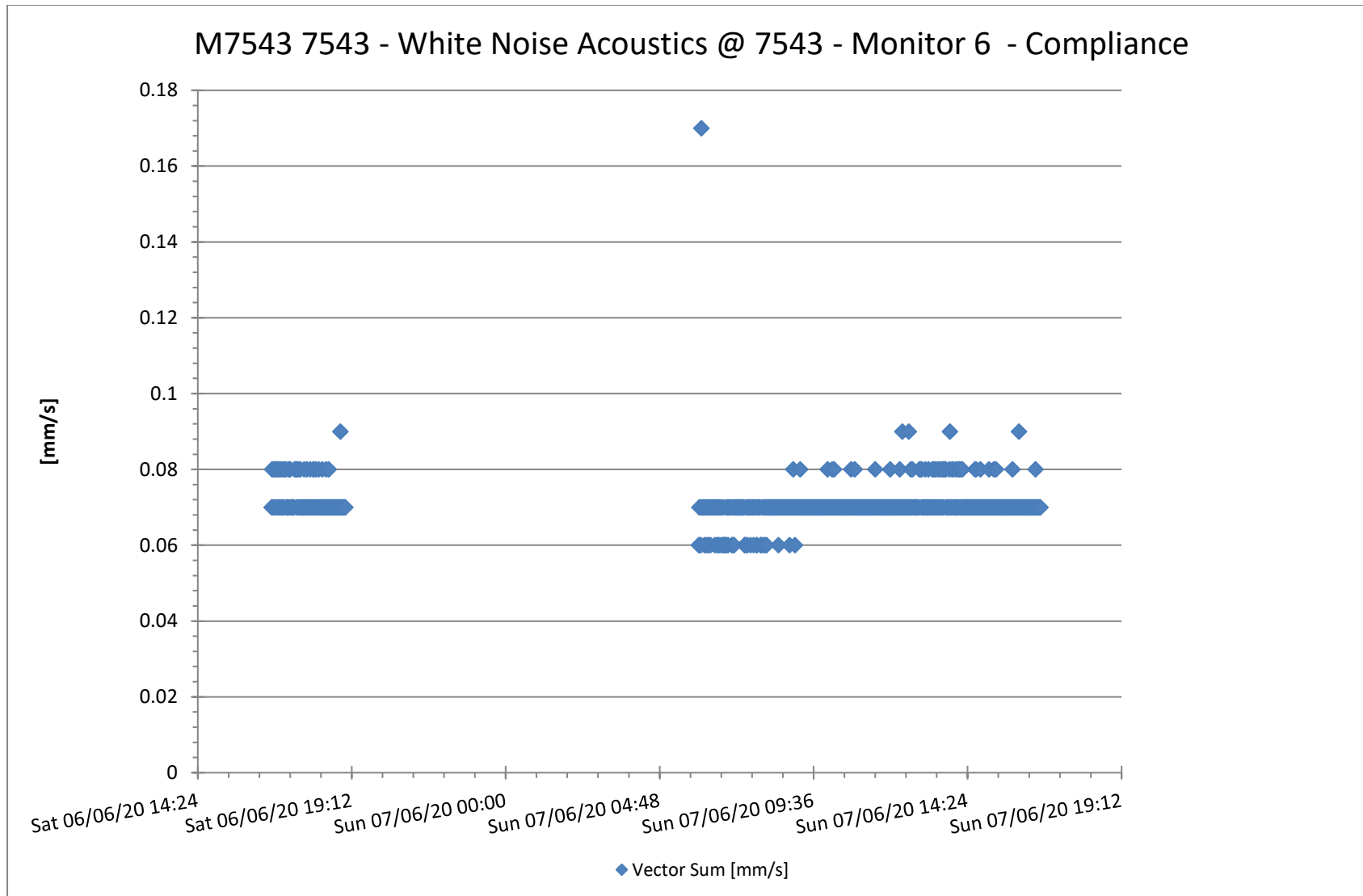




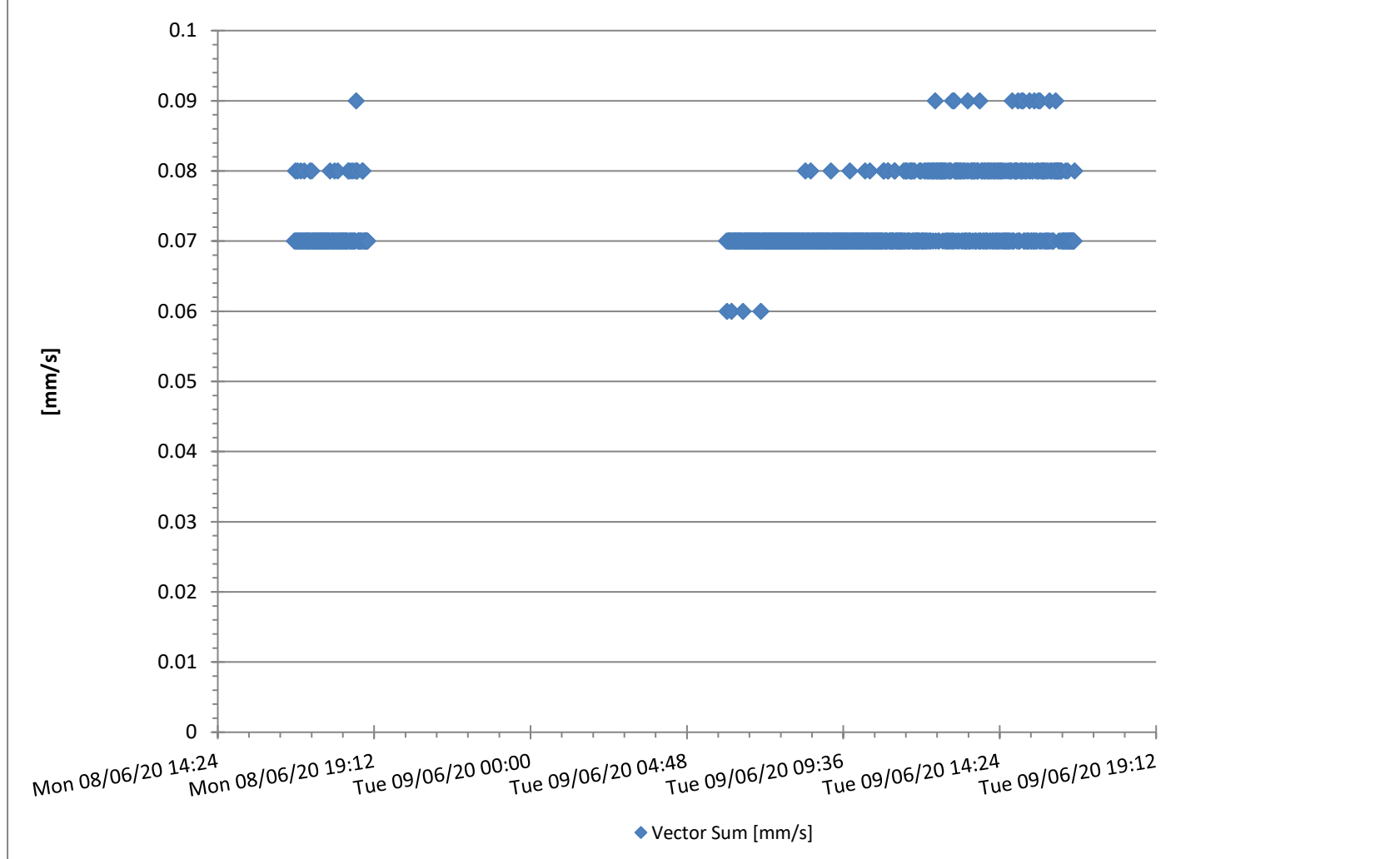
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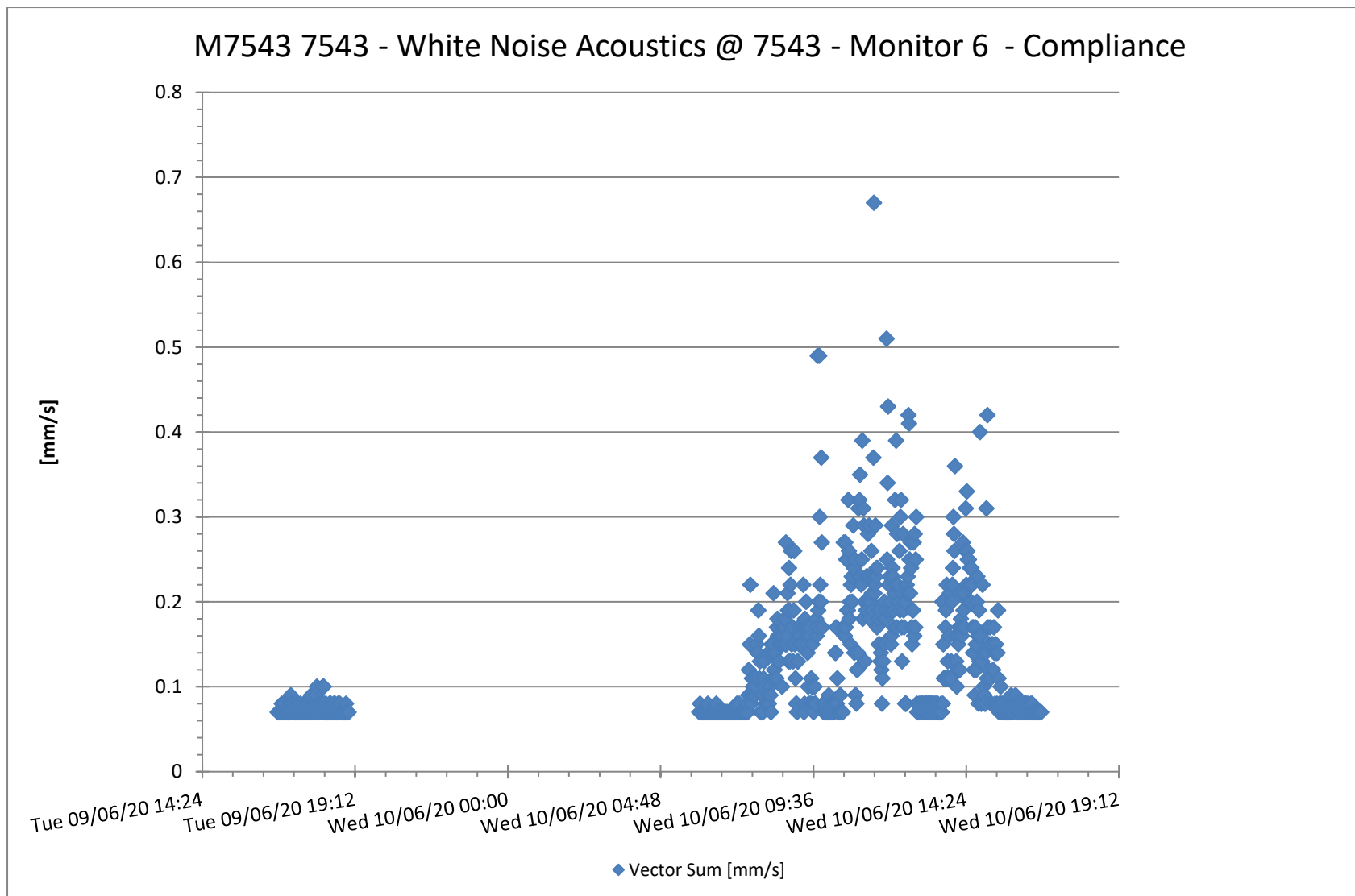
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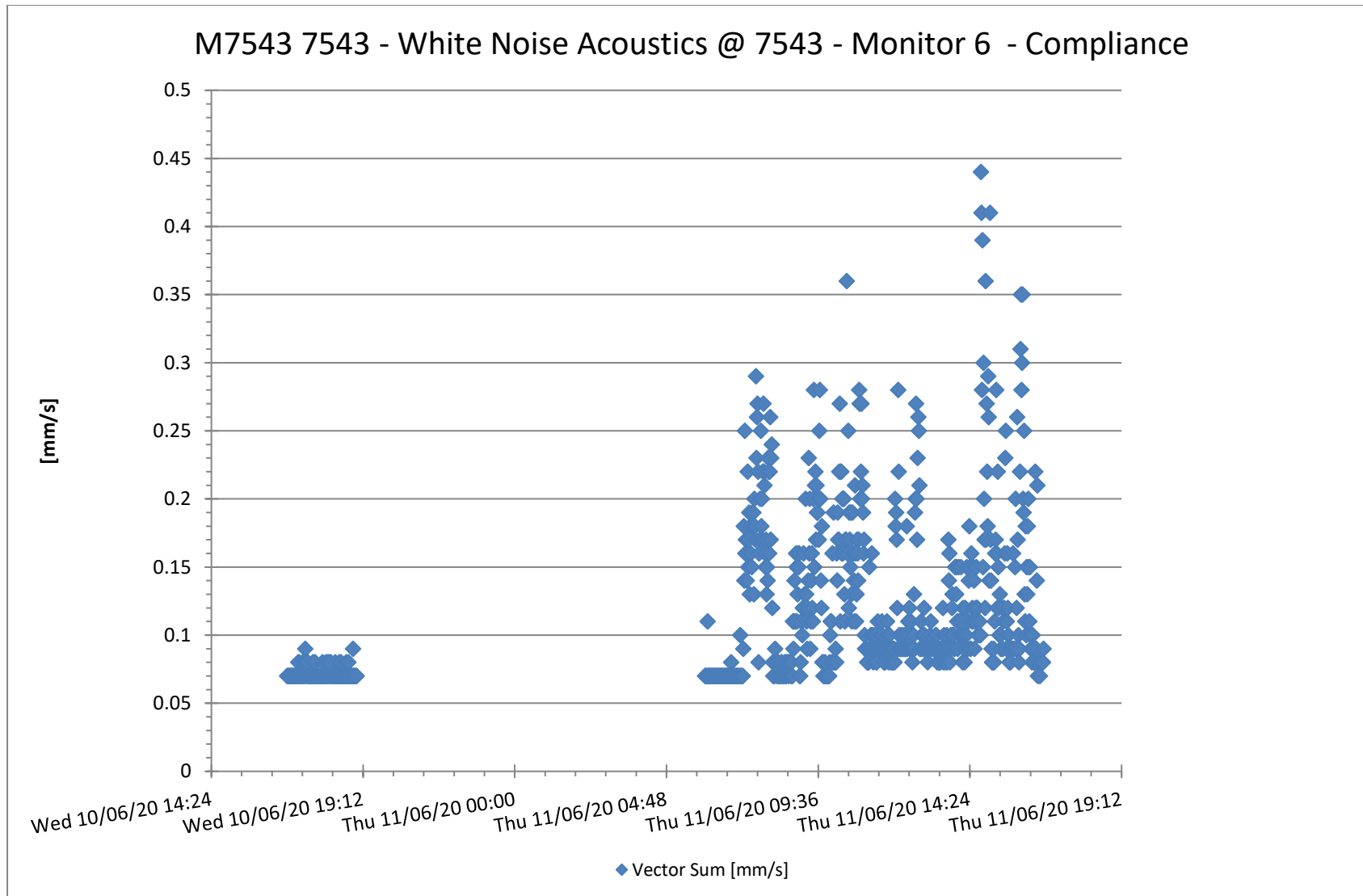
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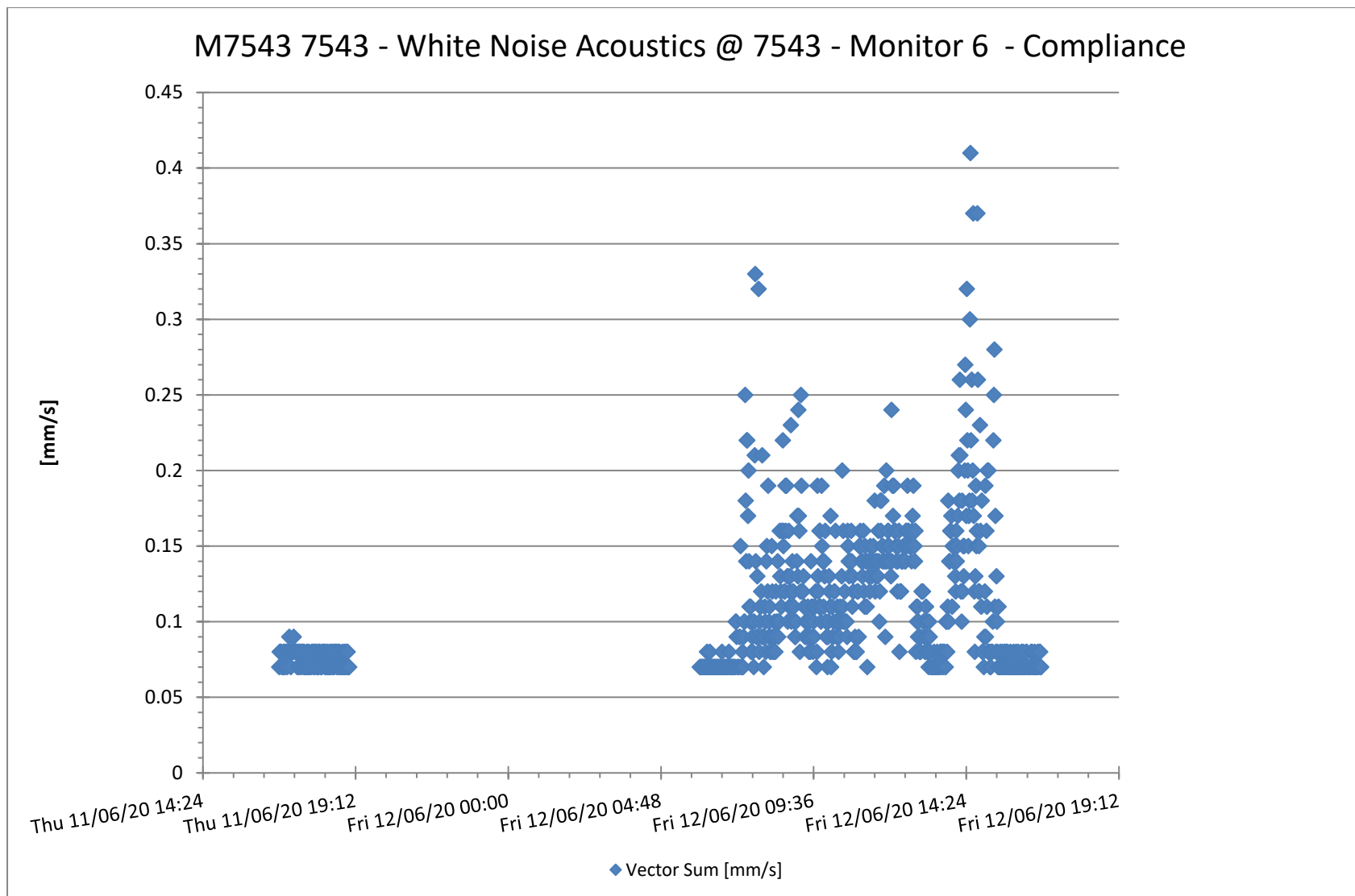
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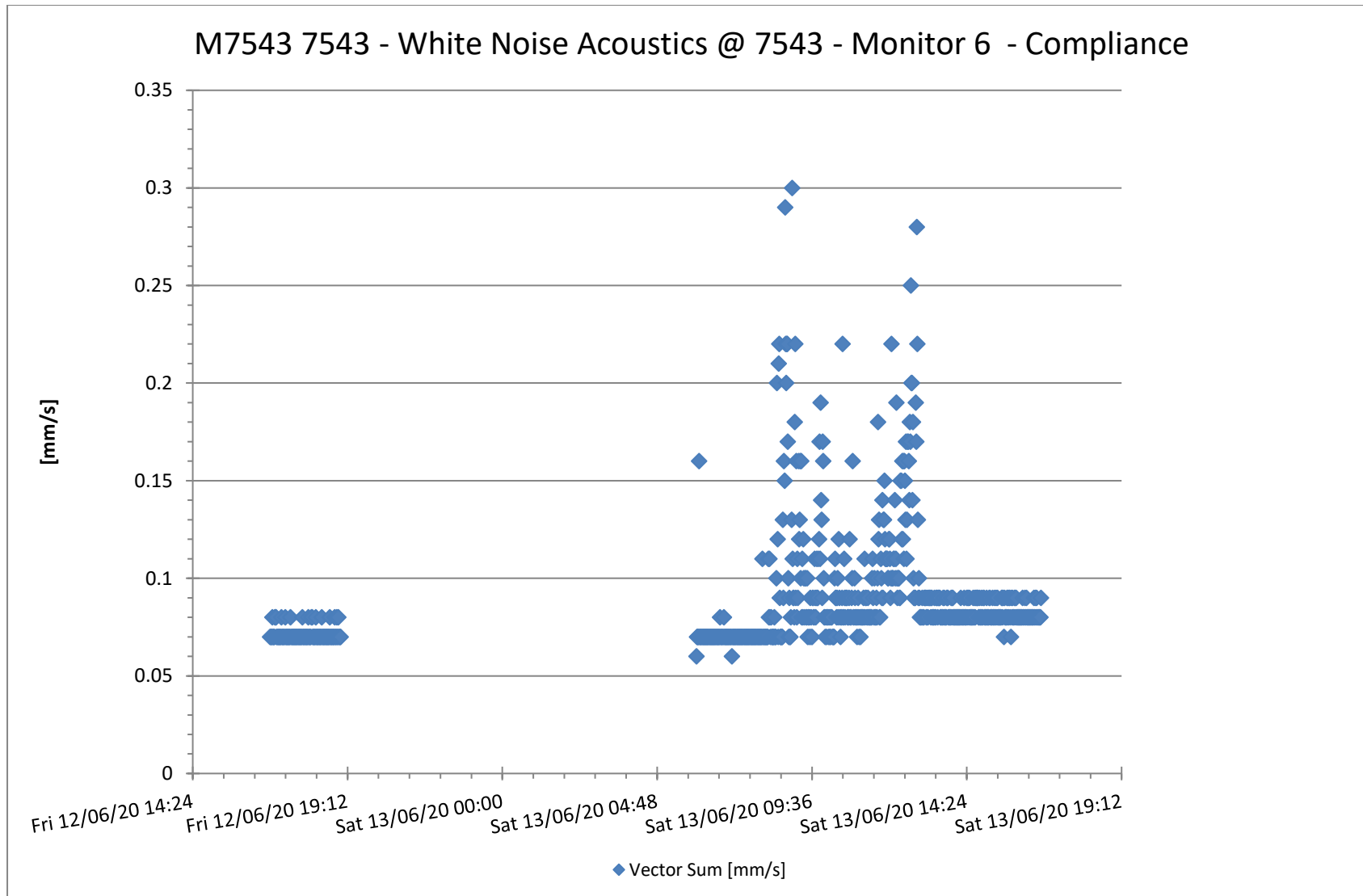
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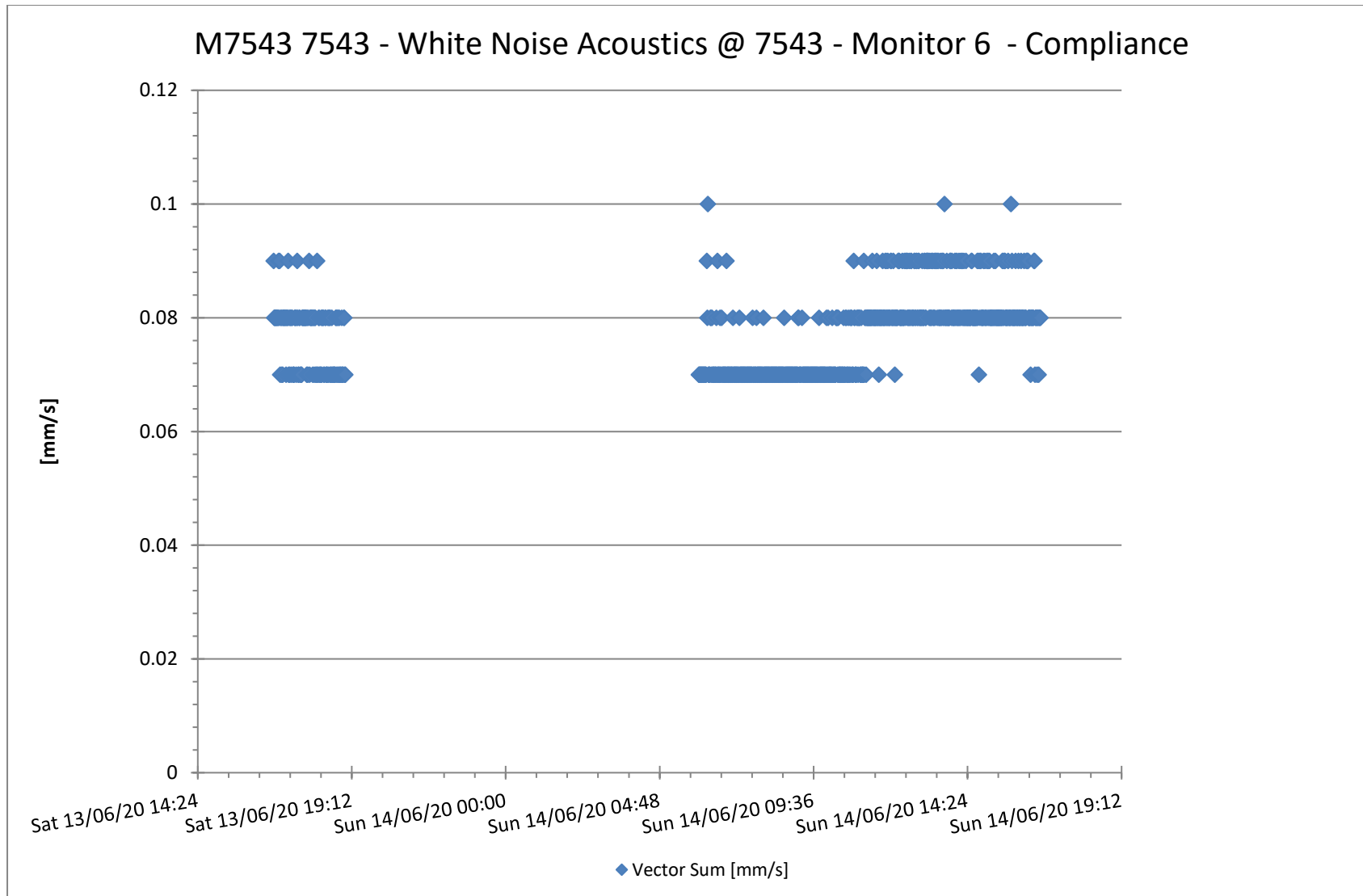
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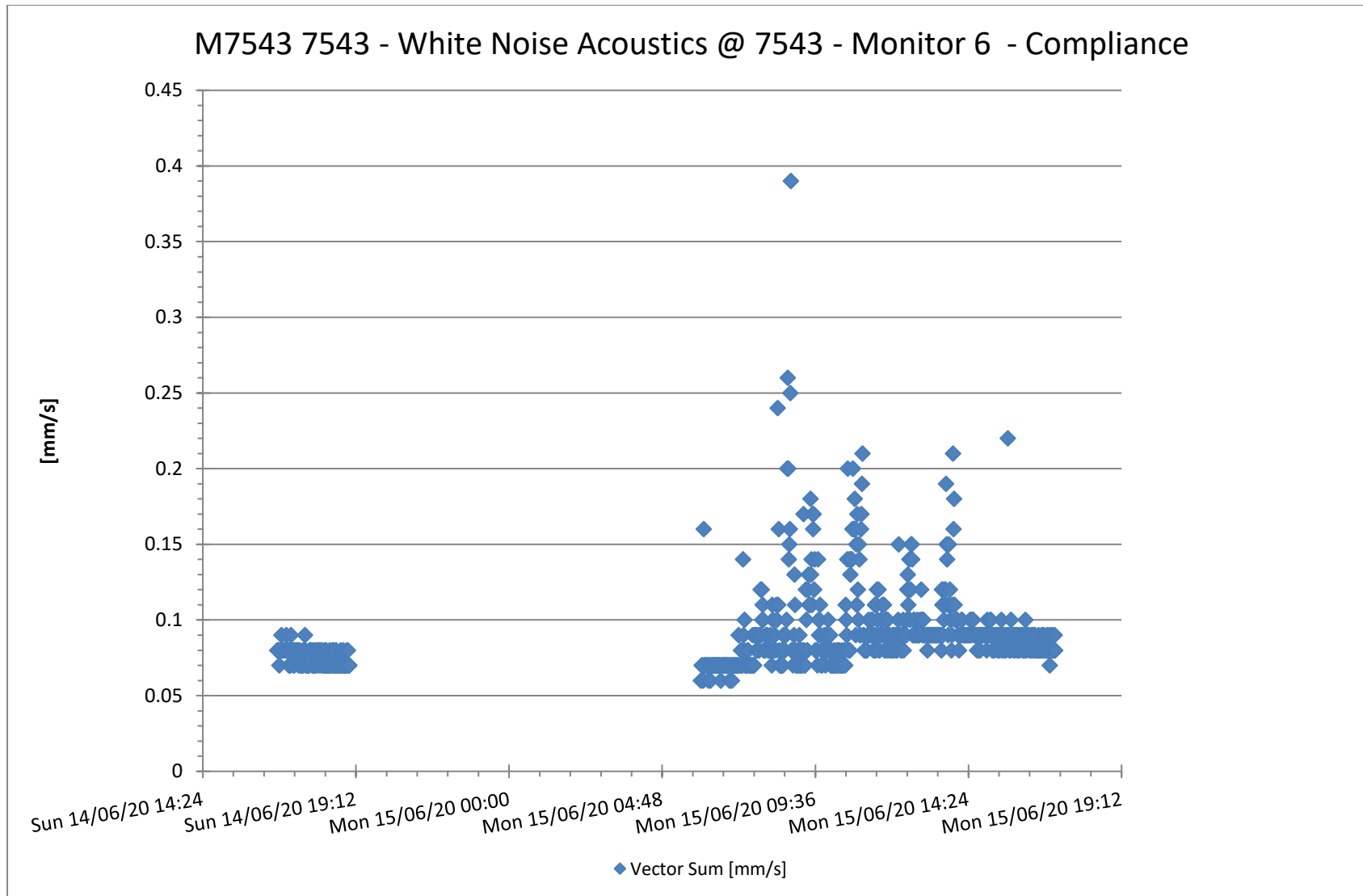


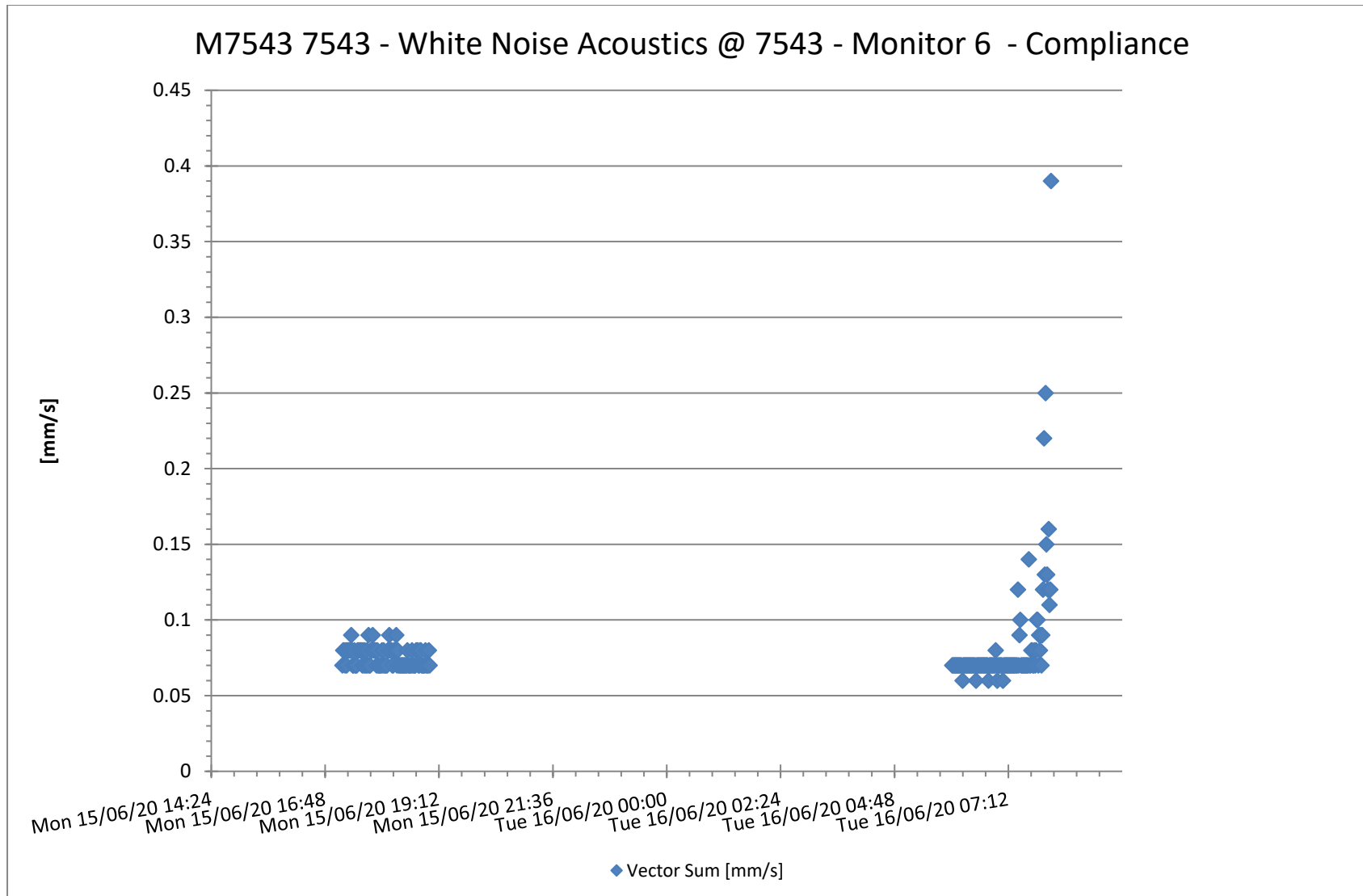
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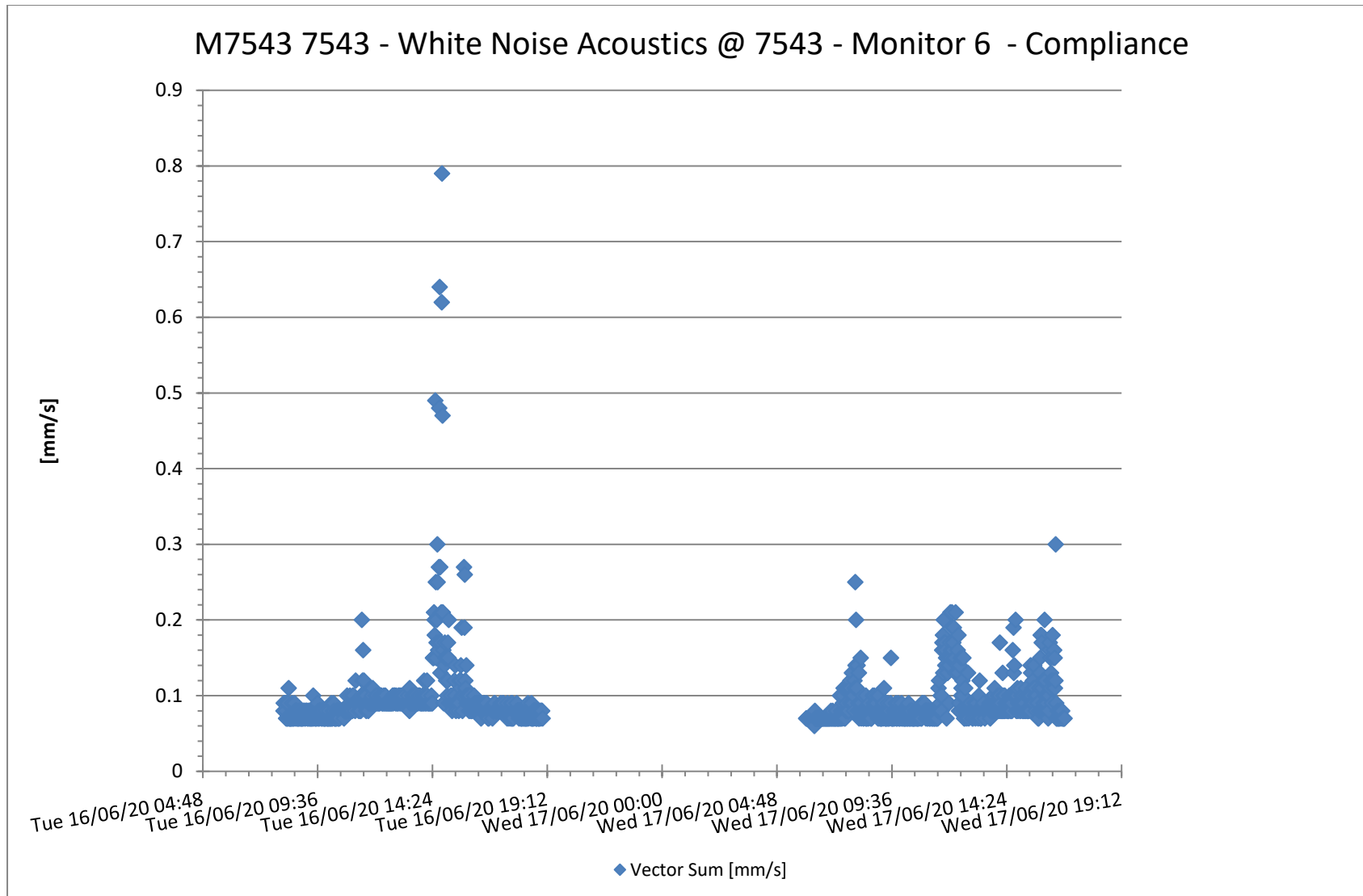


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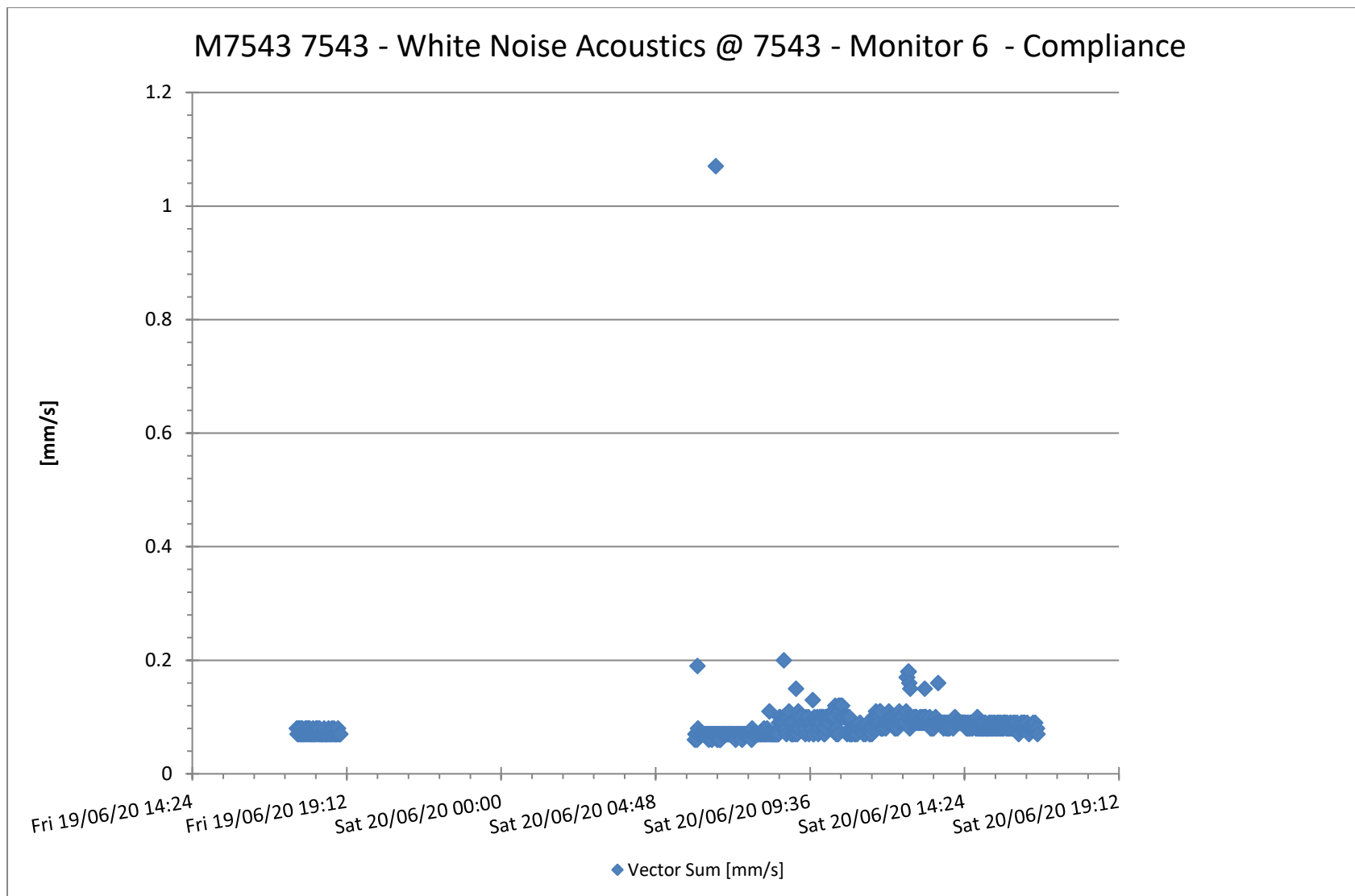


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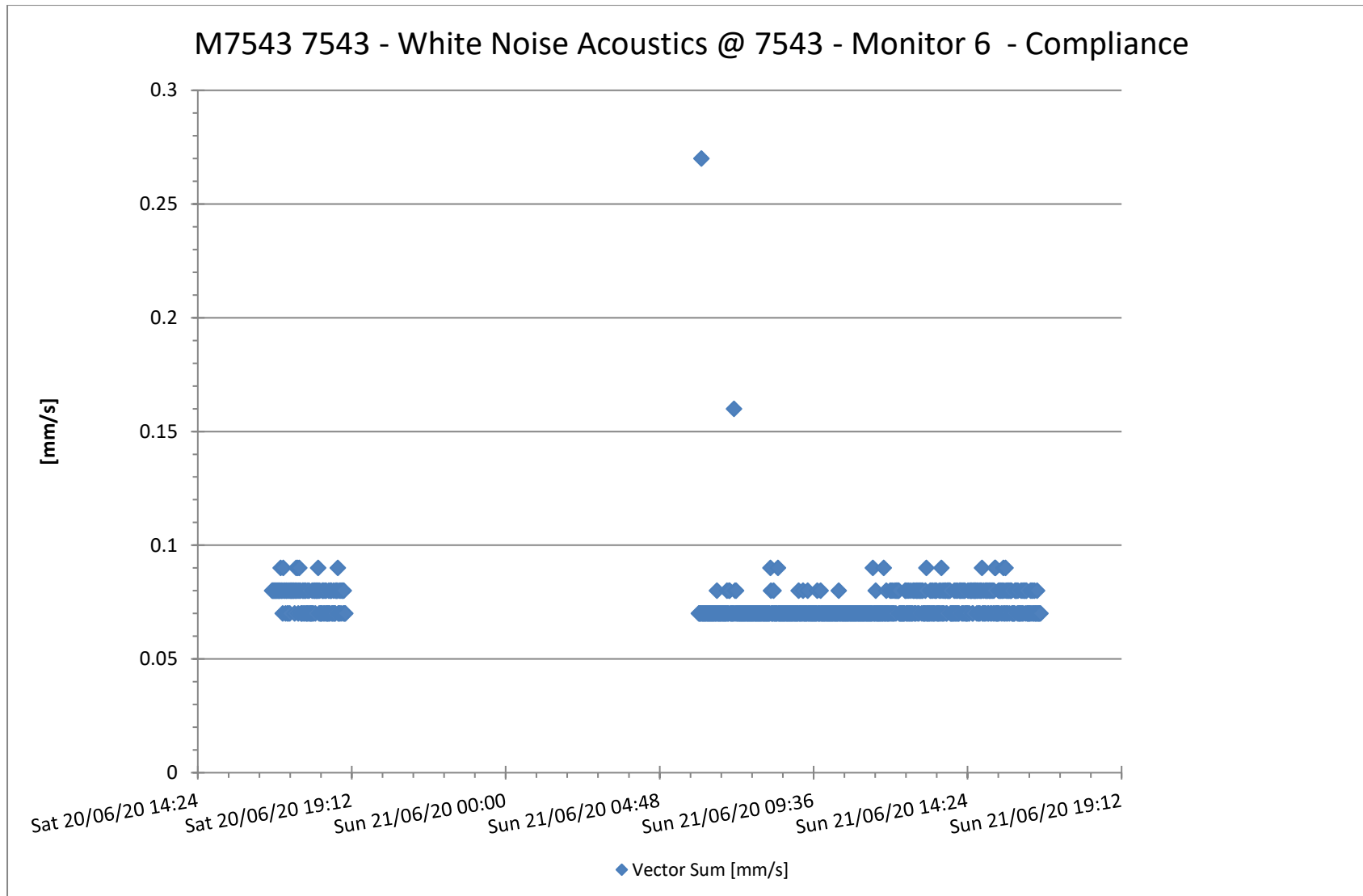




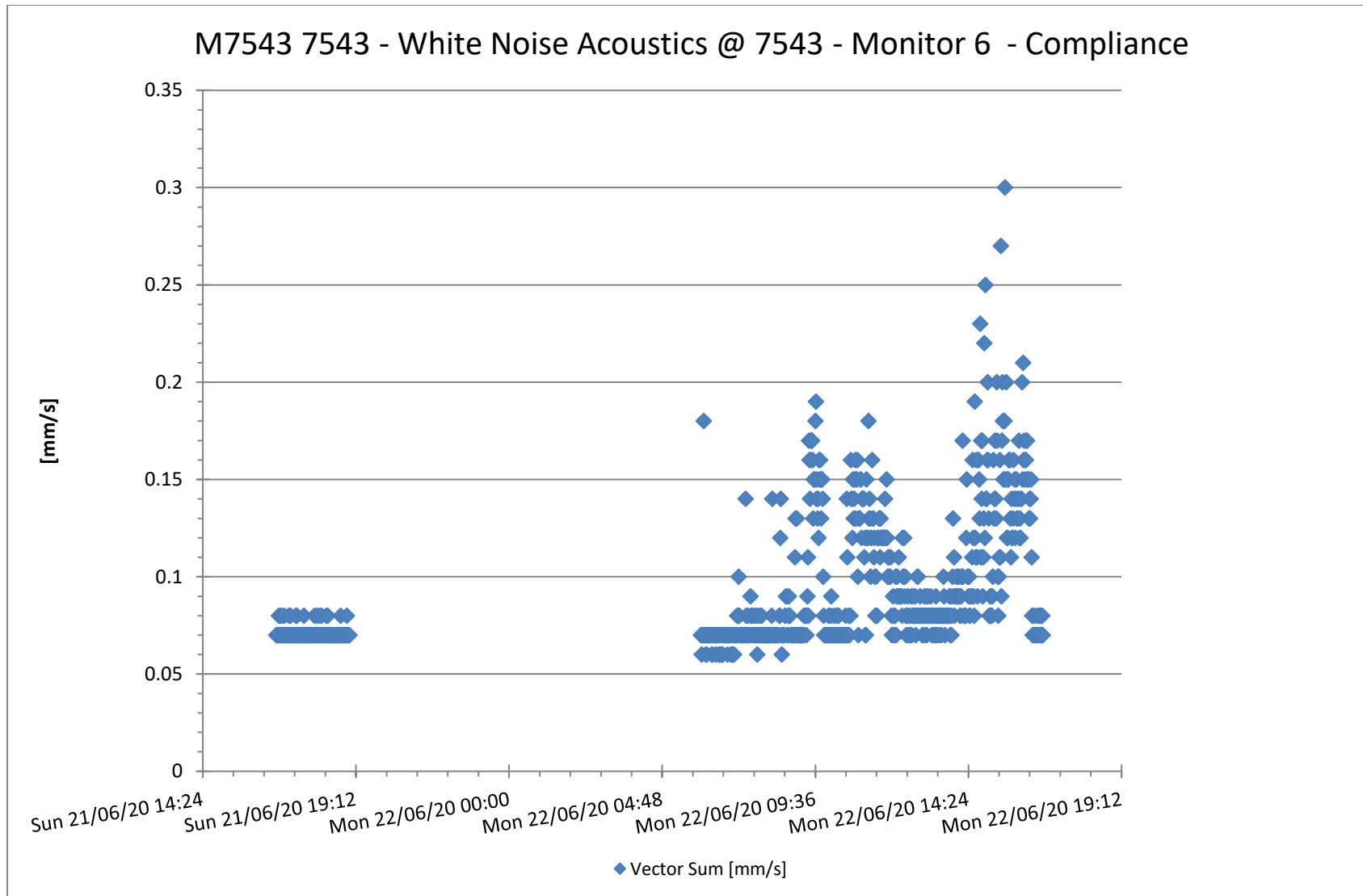
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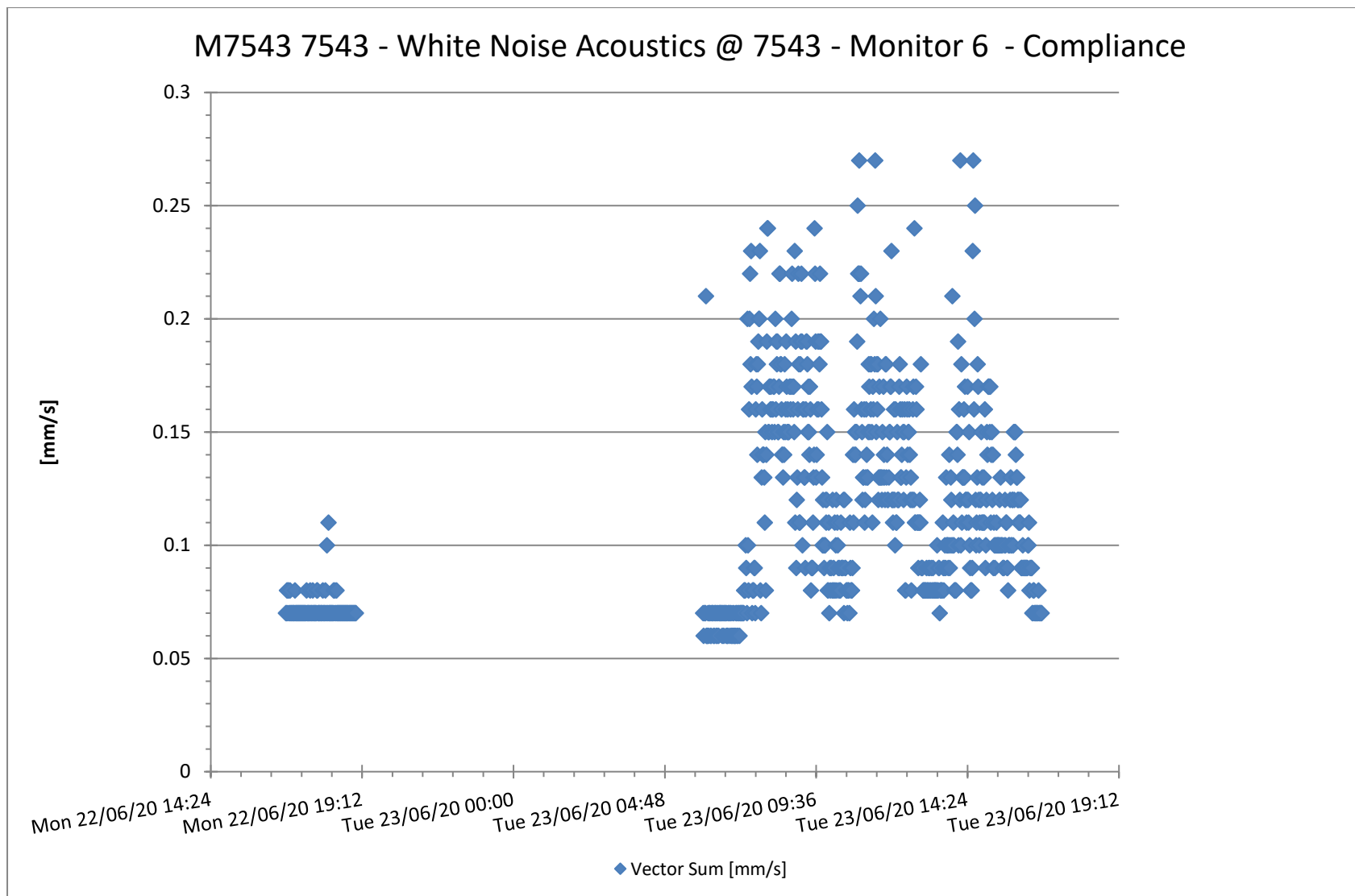
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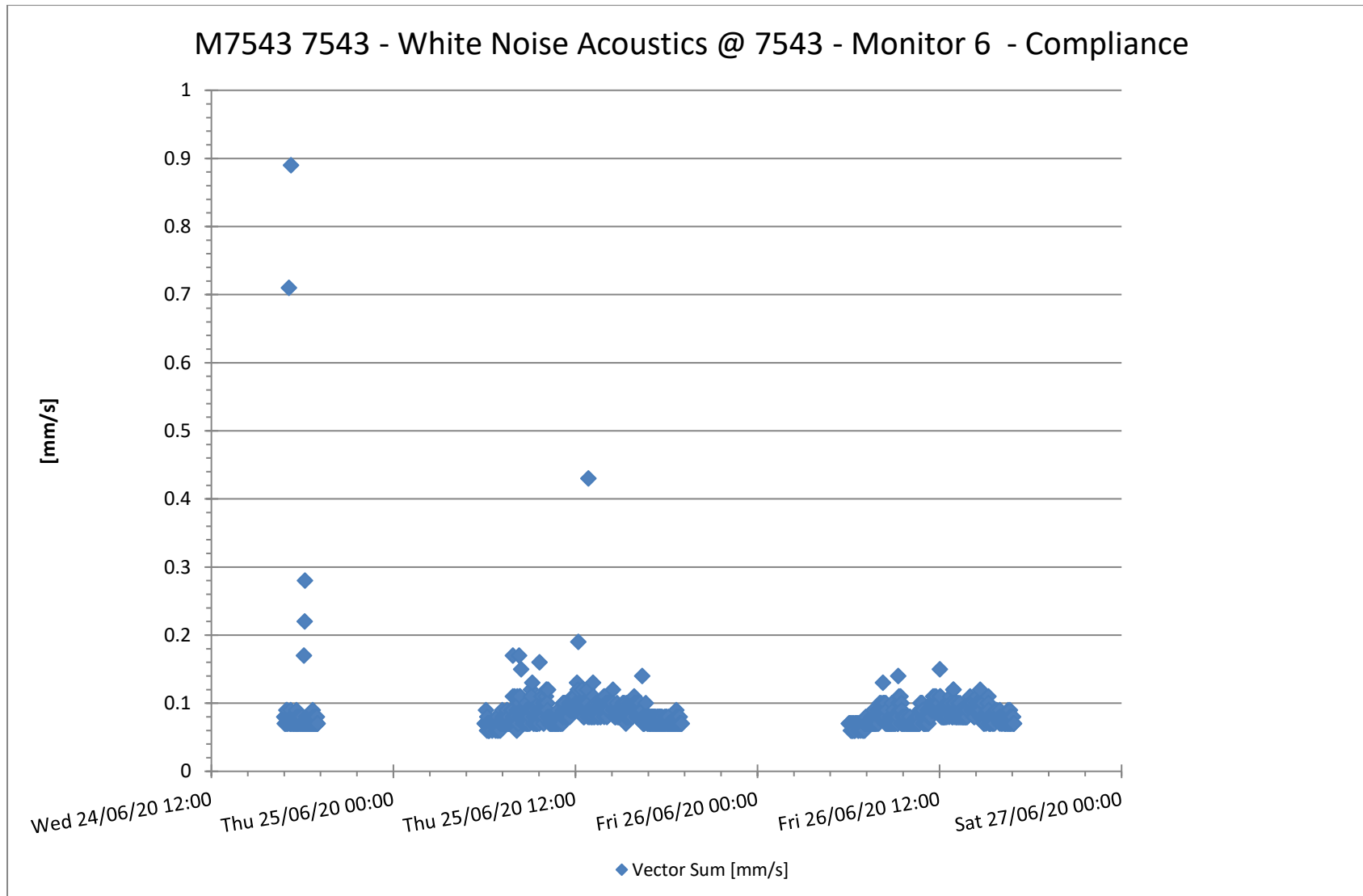
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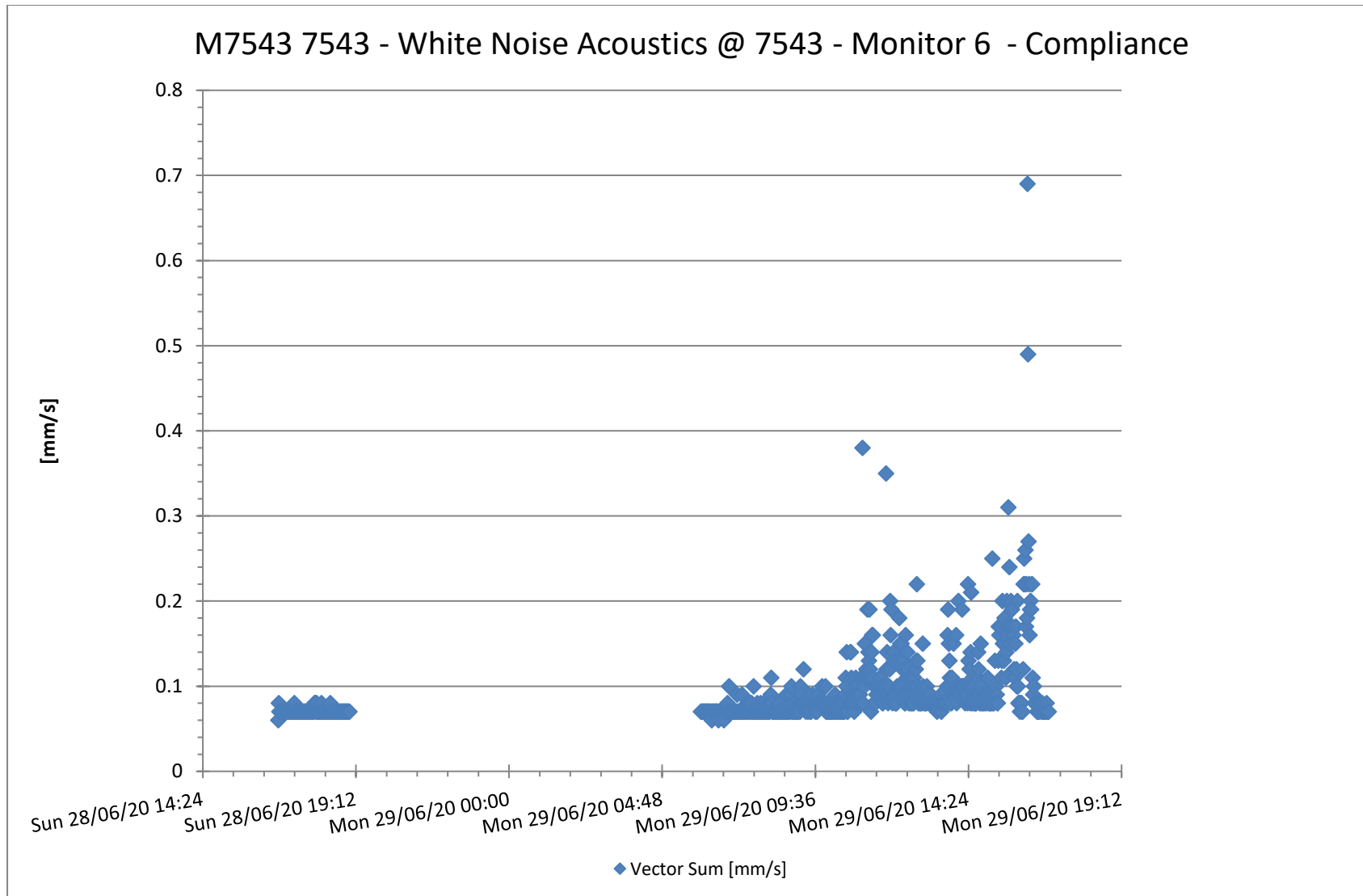




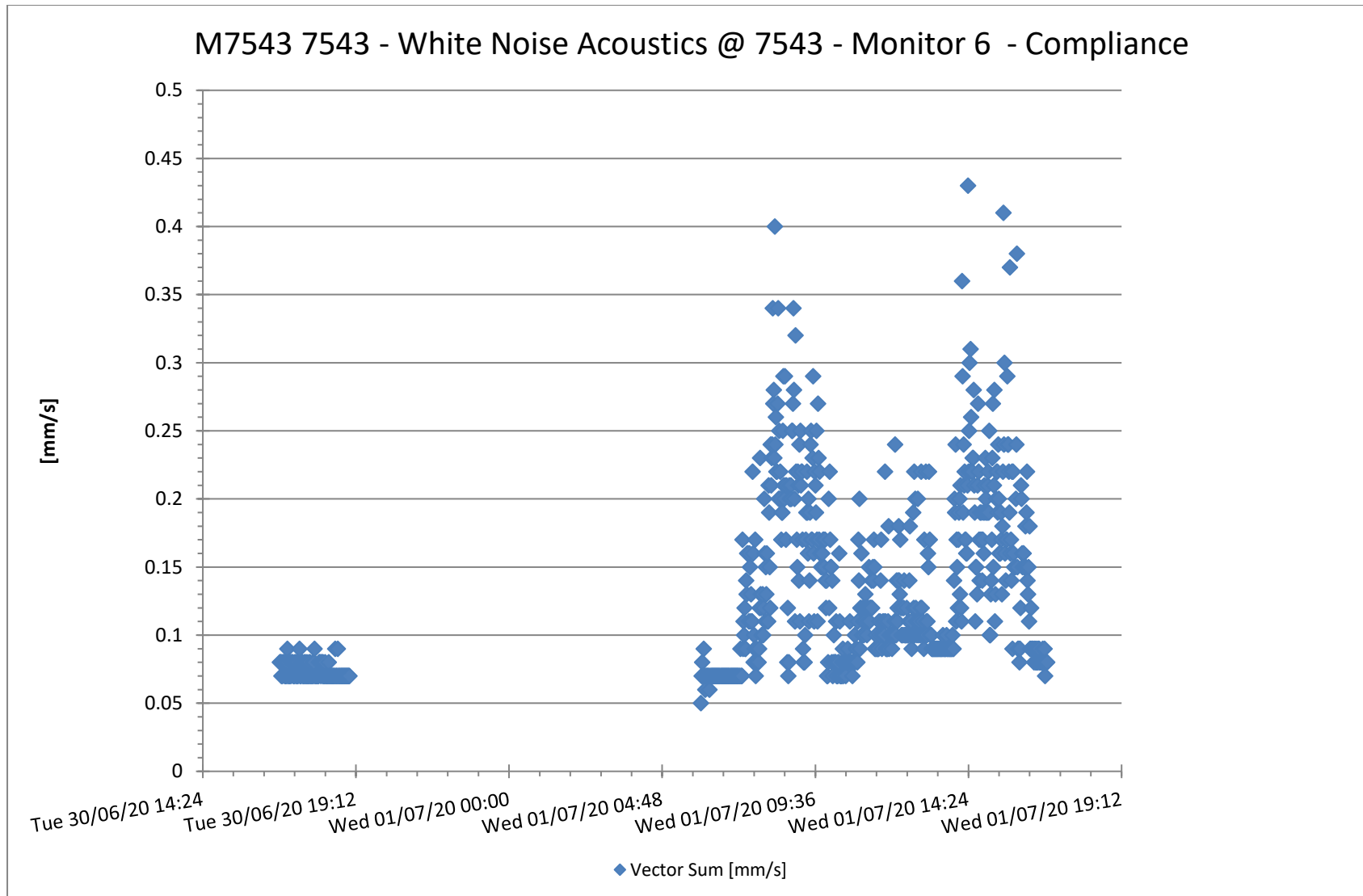
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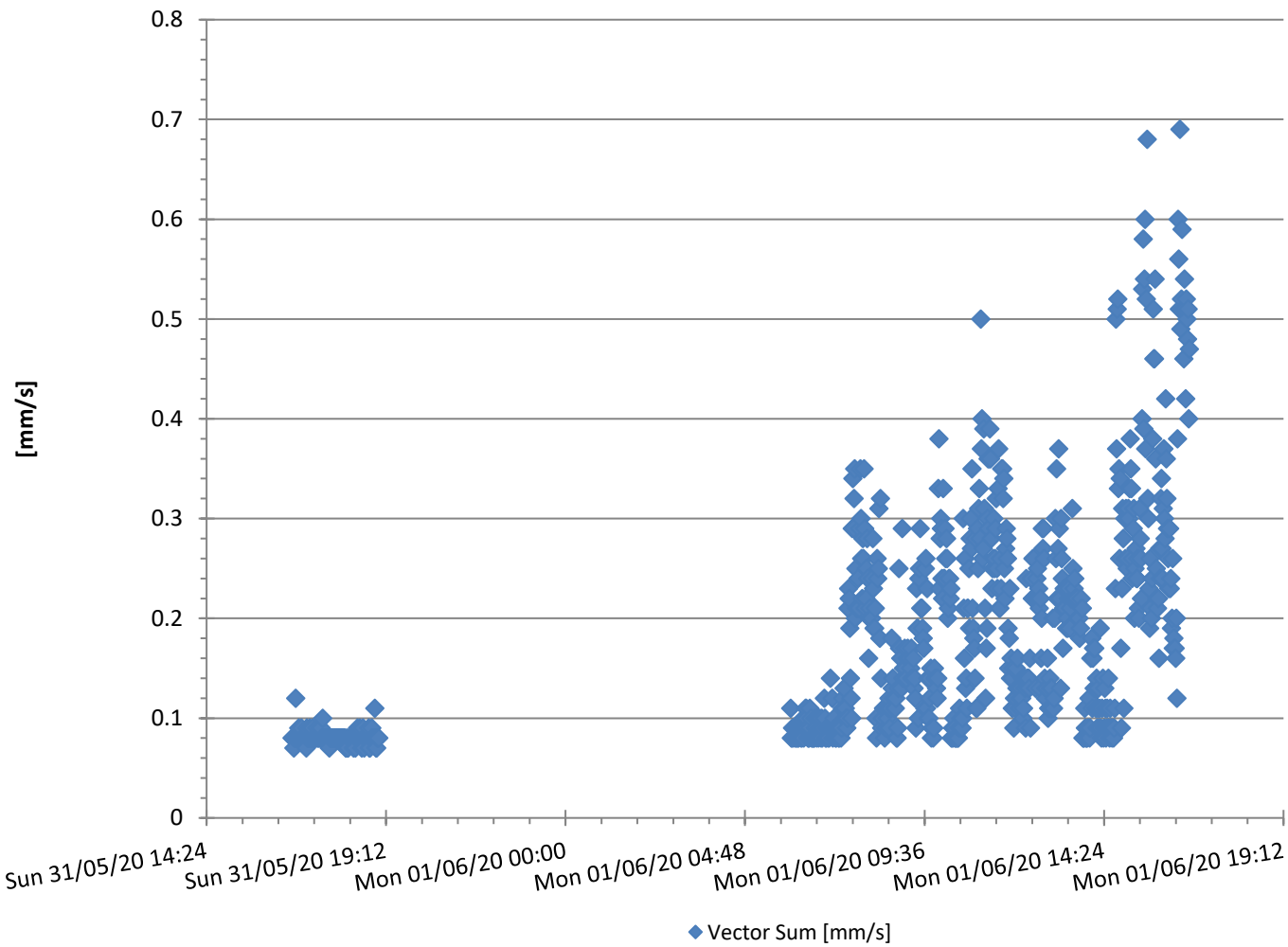


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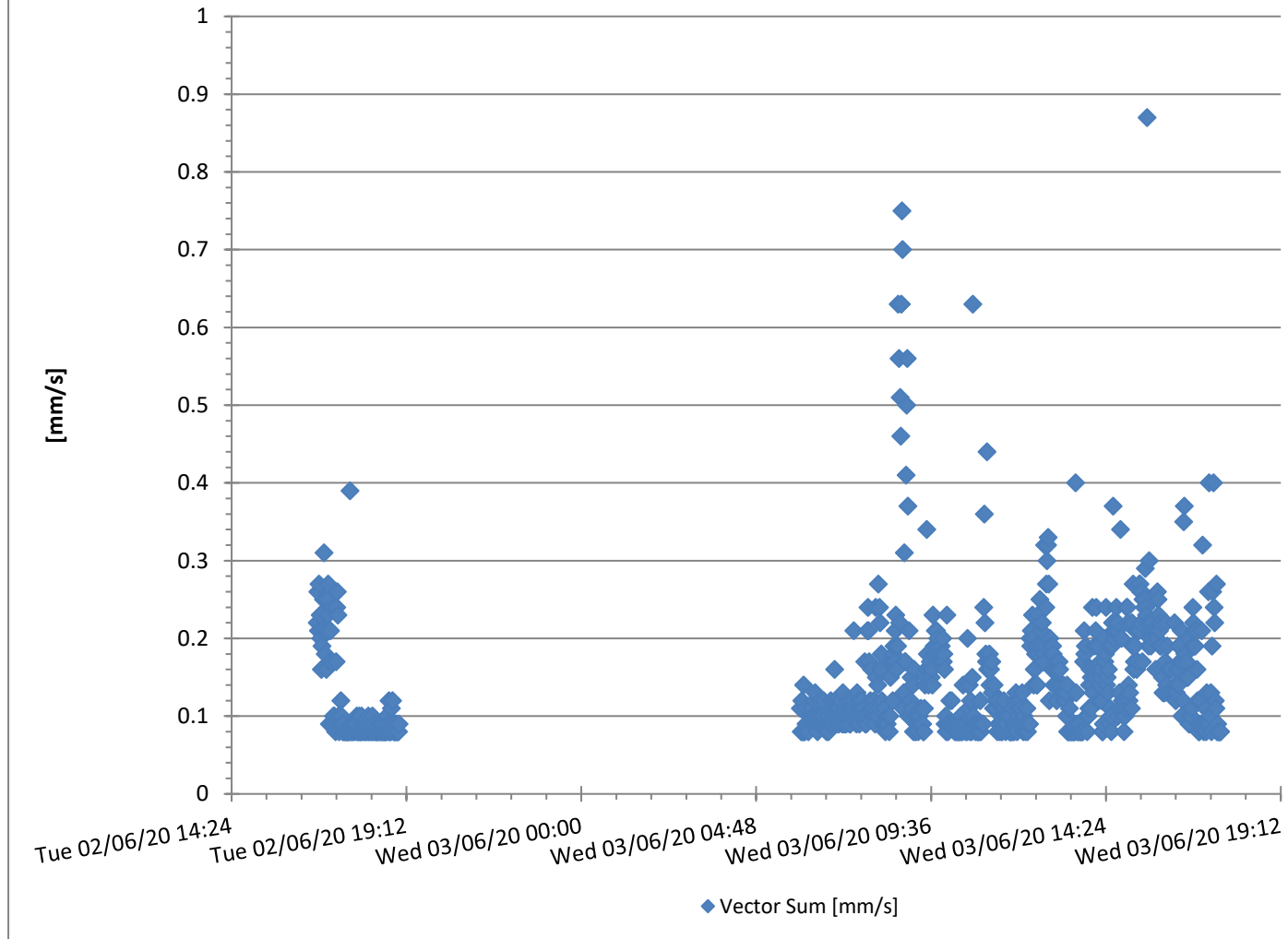
## **9 Appendix C –Logger Location 2 – Monitor M7542**

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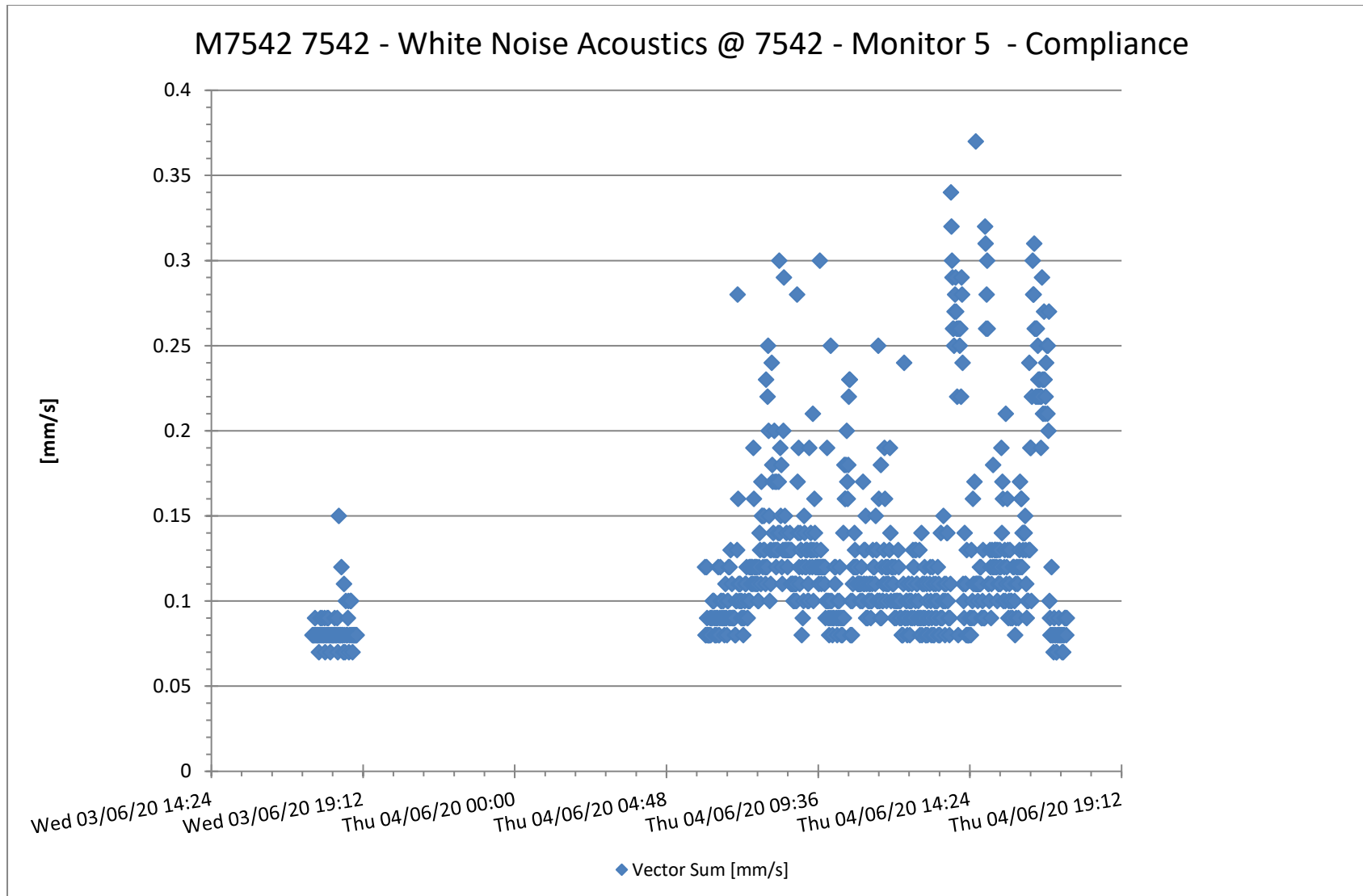


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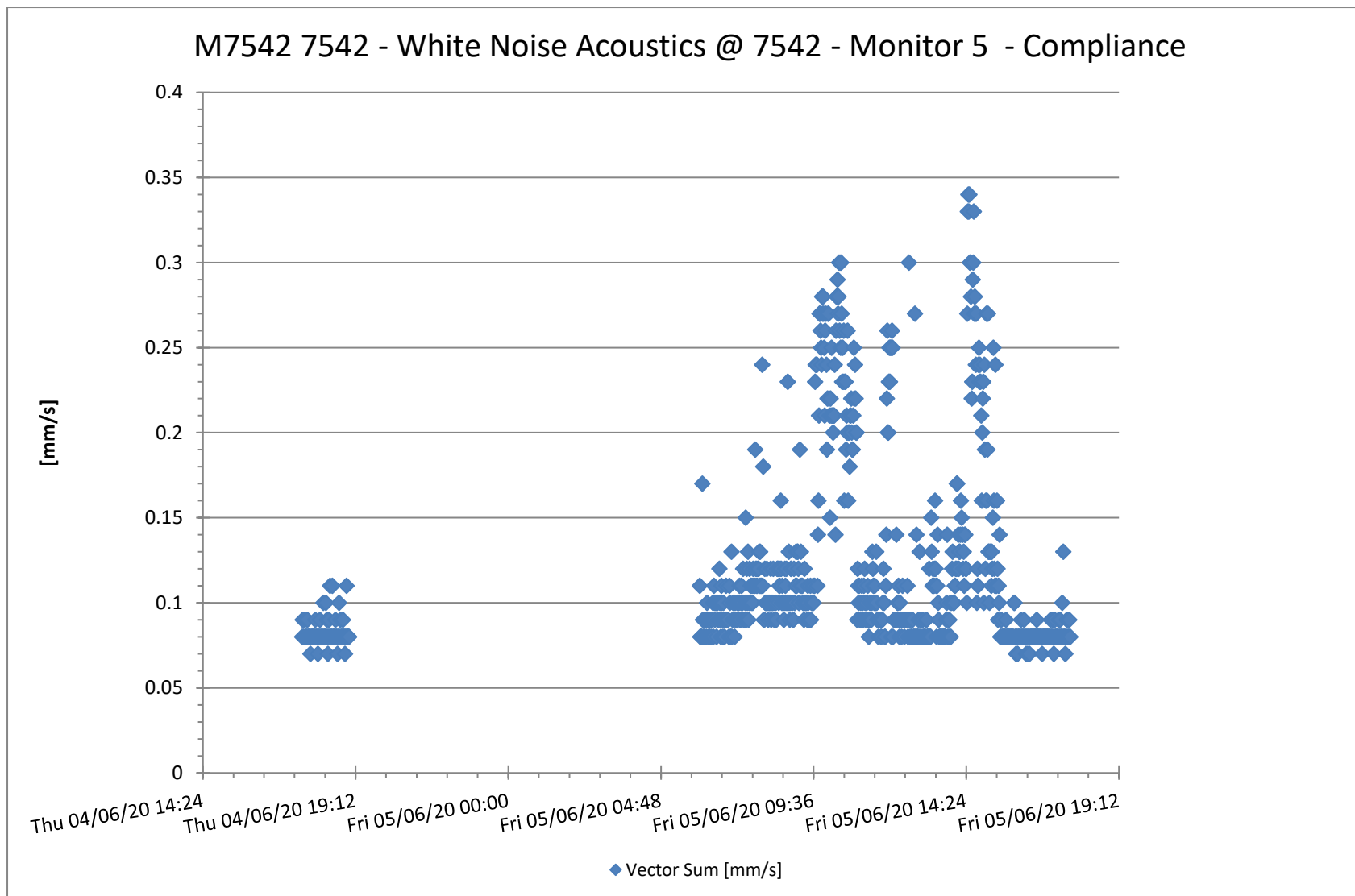




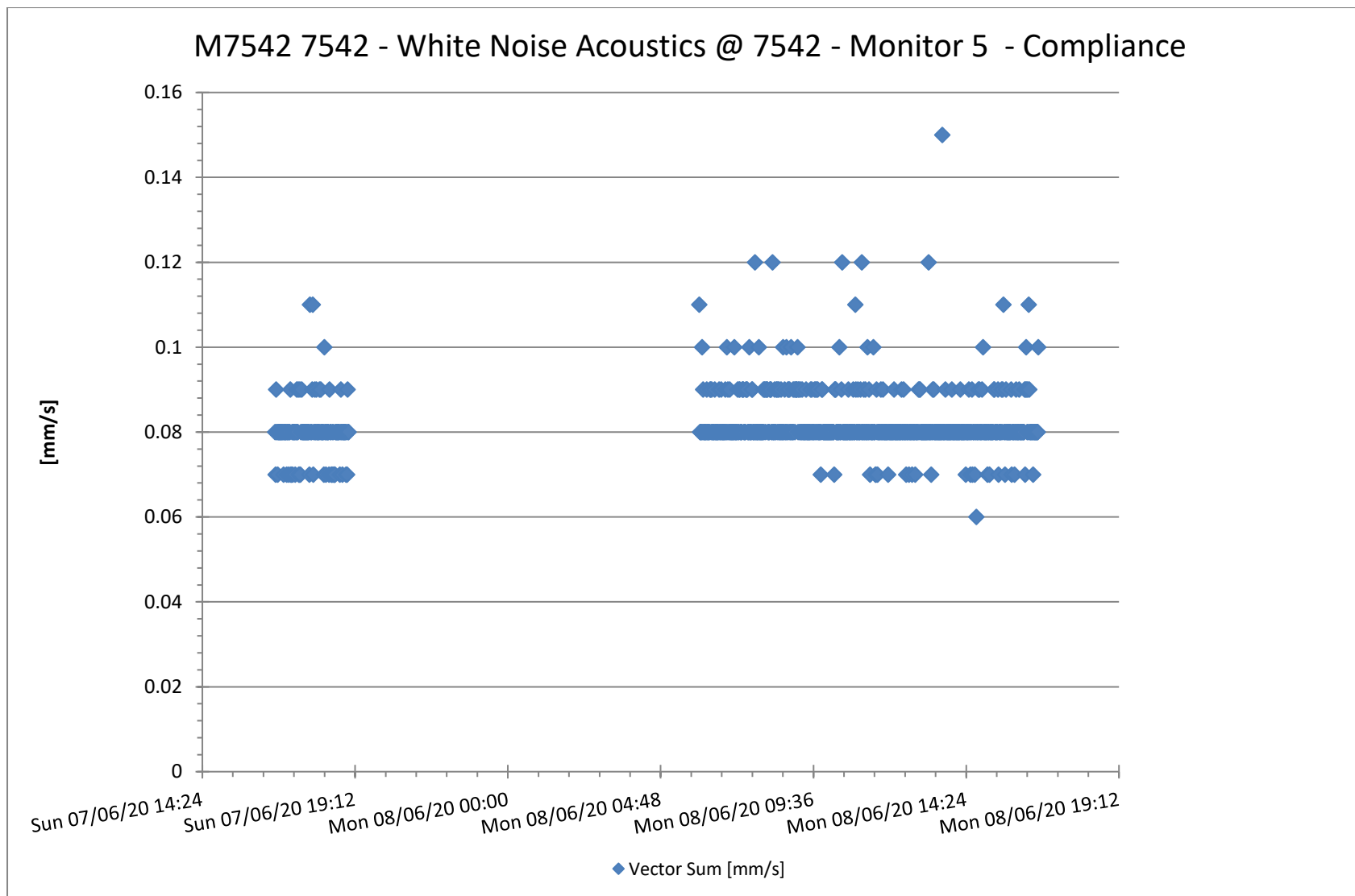
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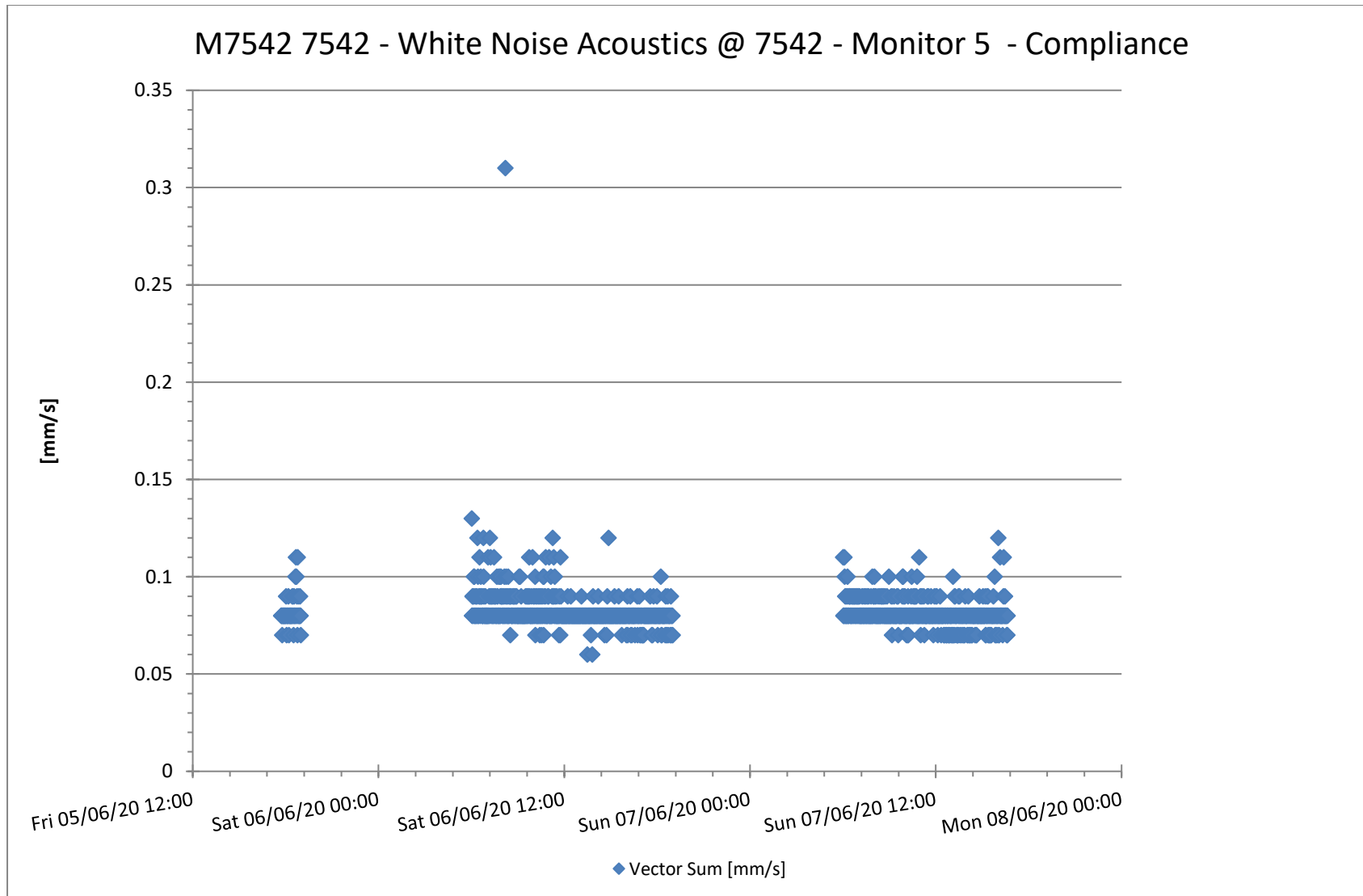
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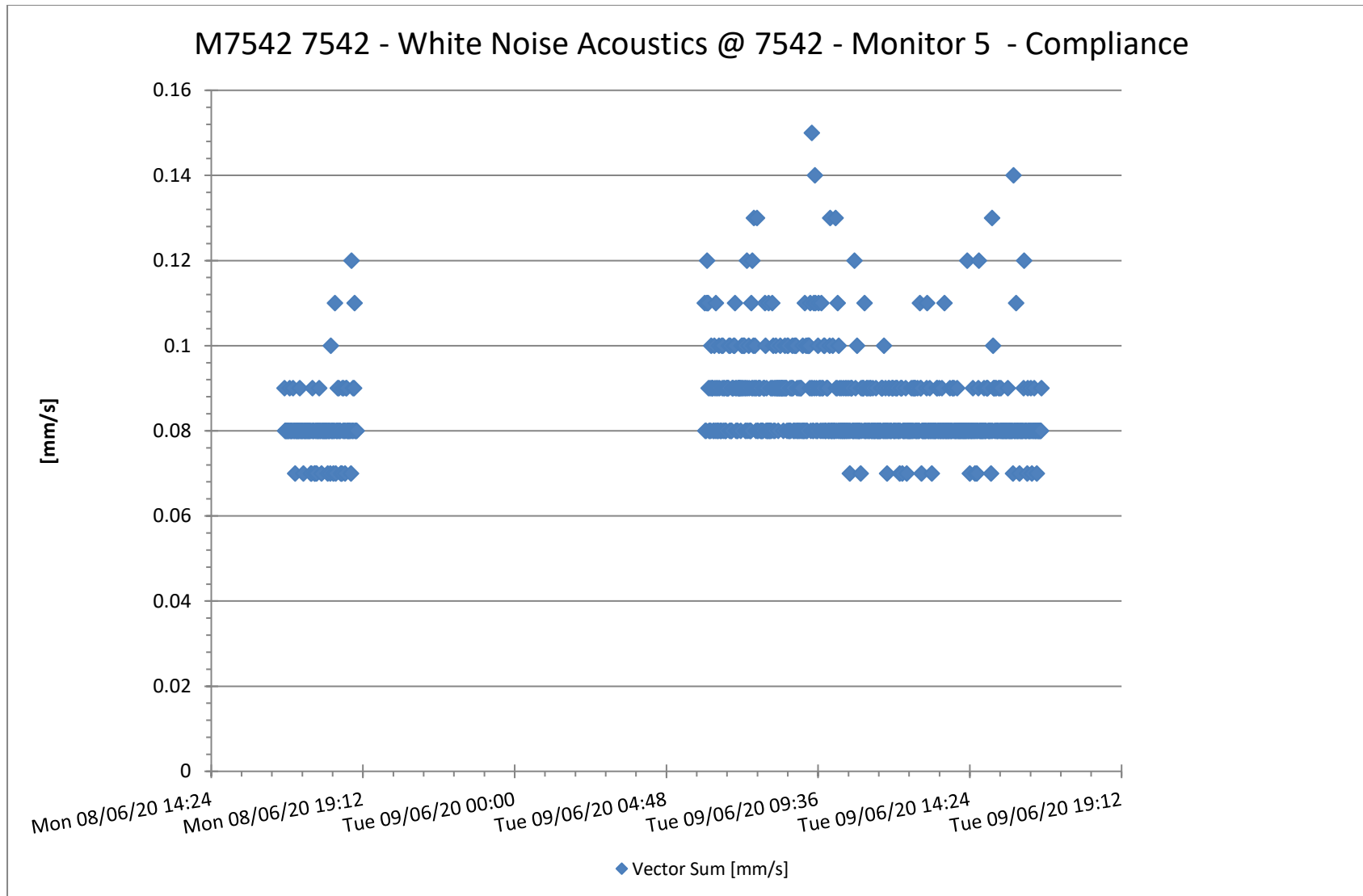
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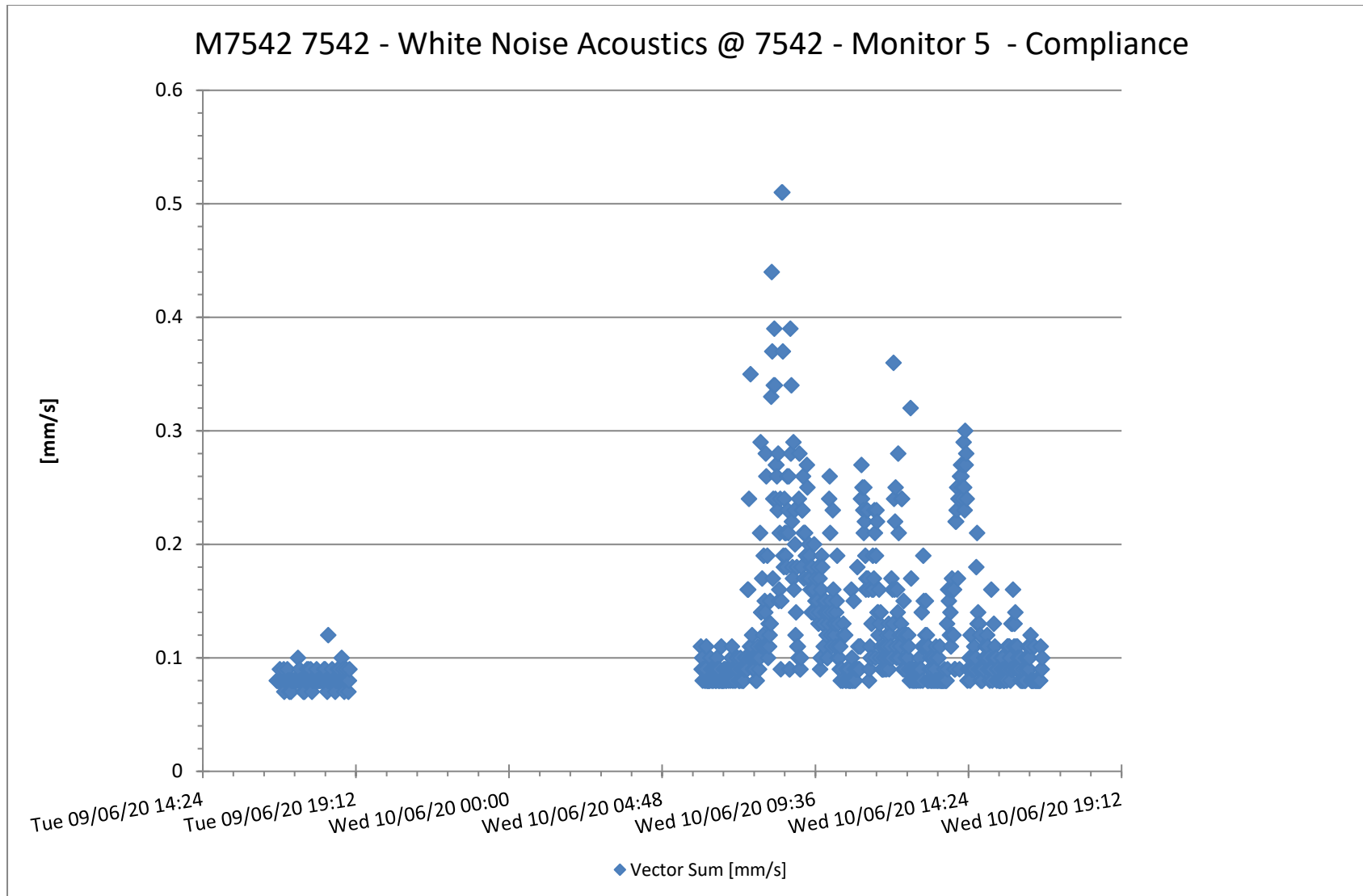
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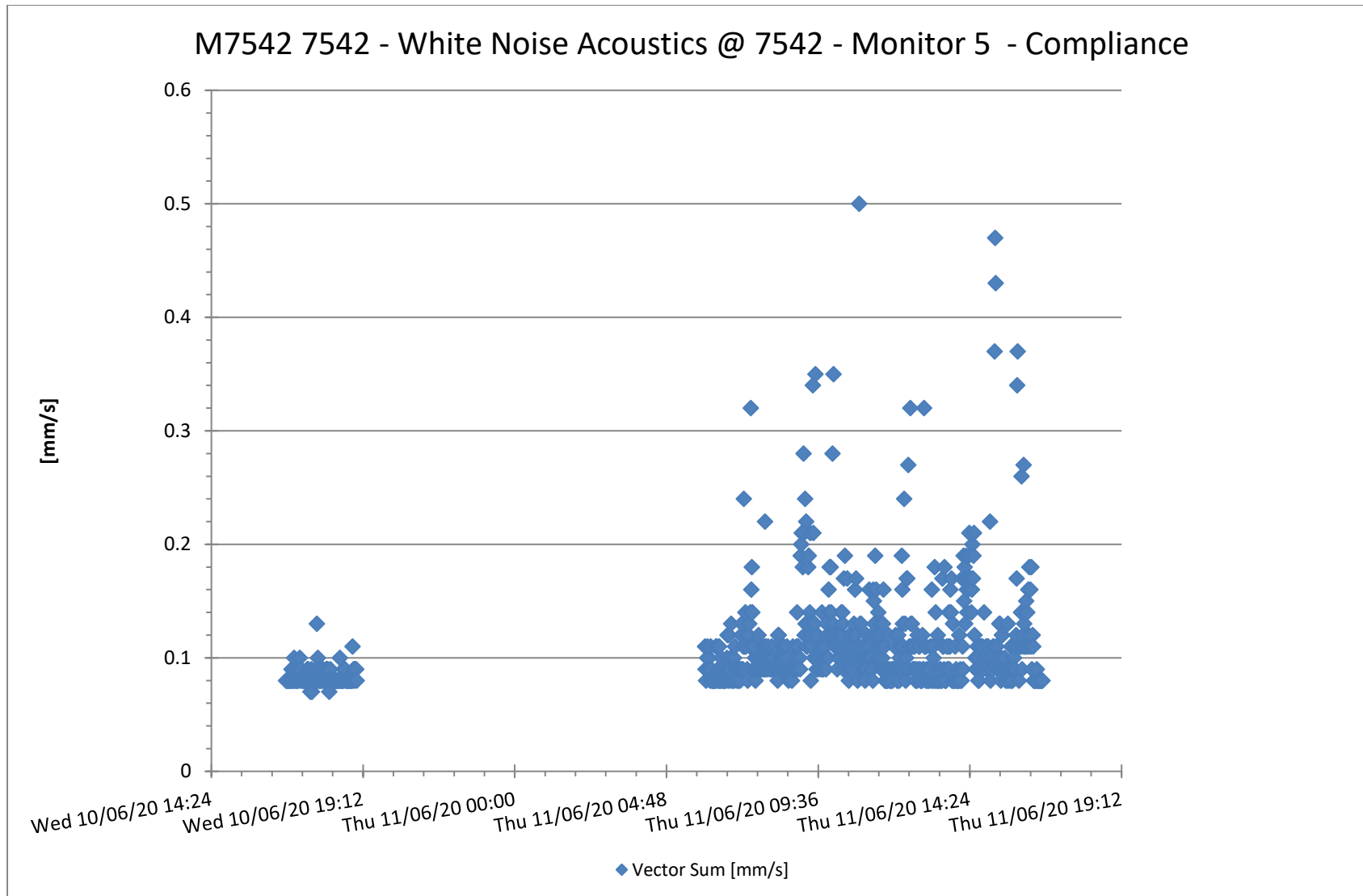
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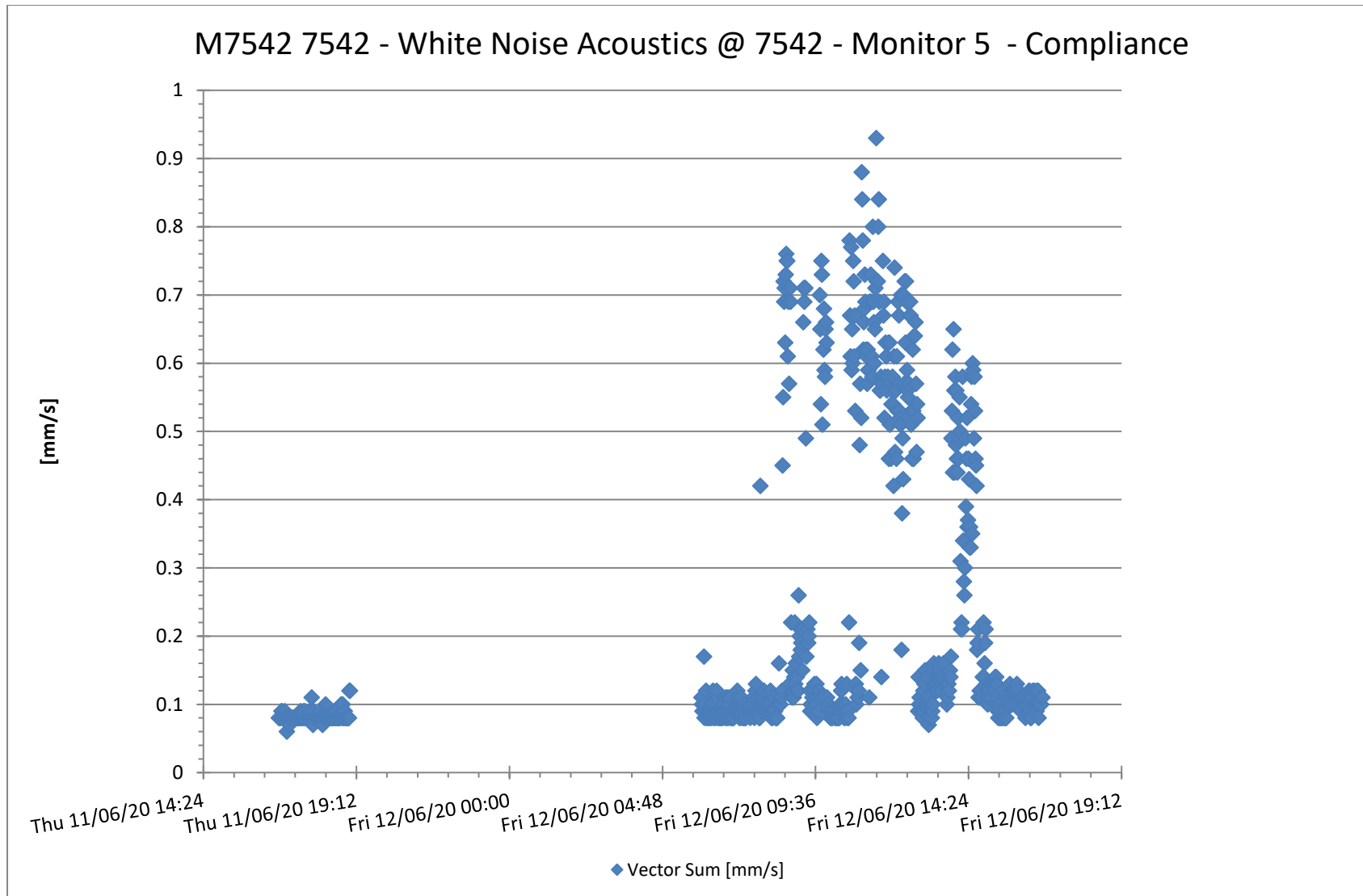
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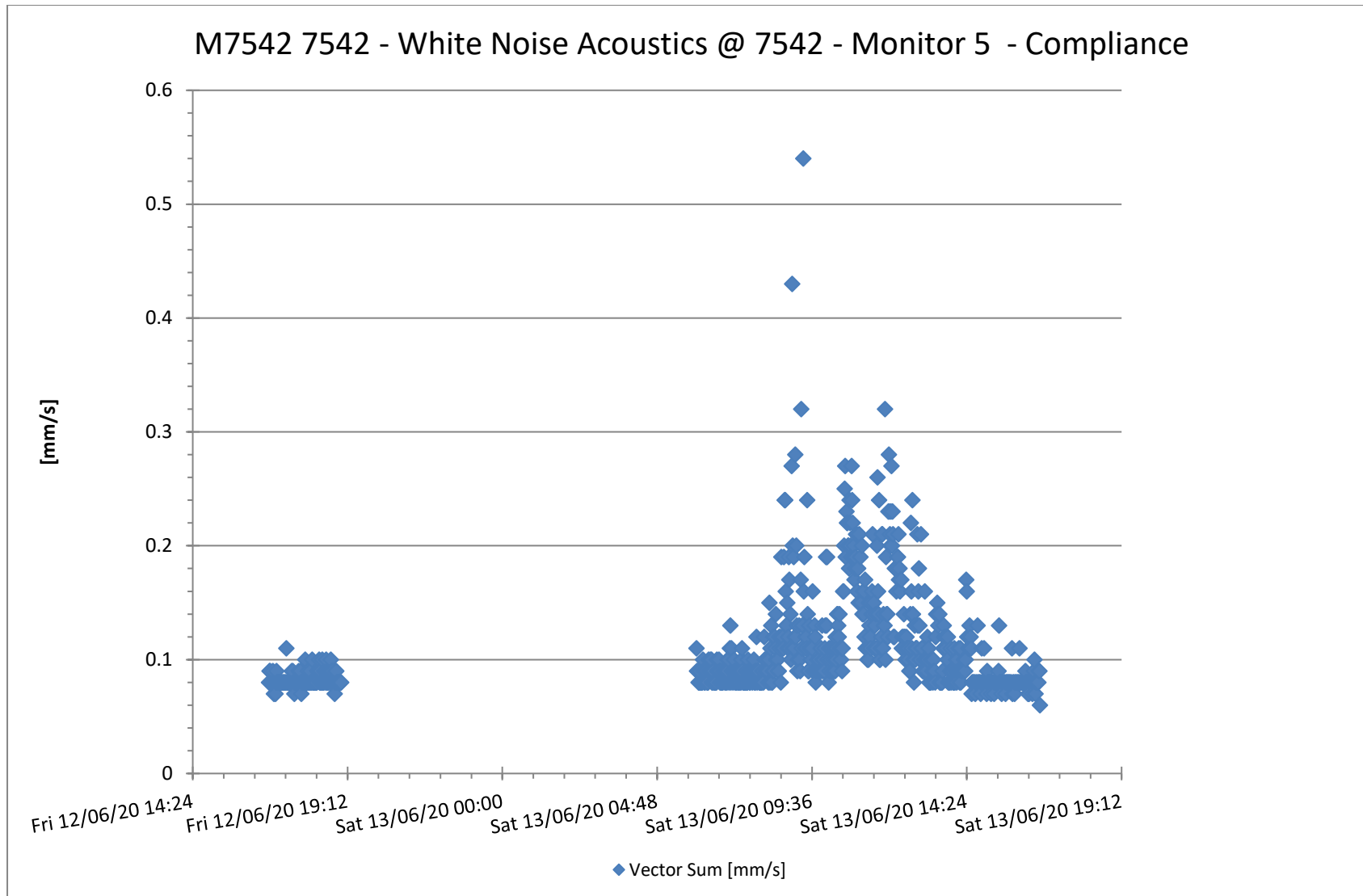


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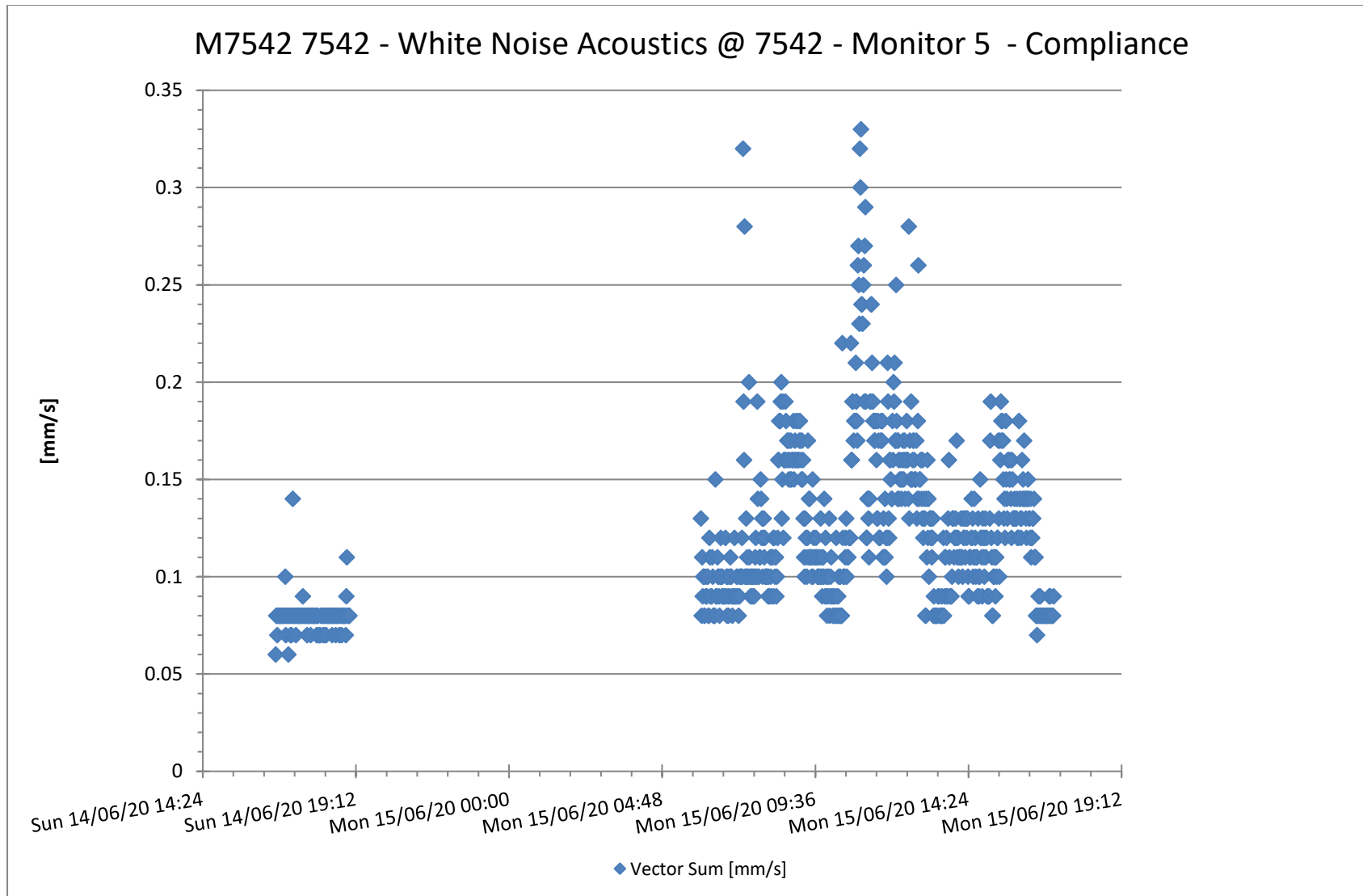


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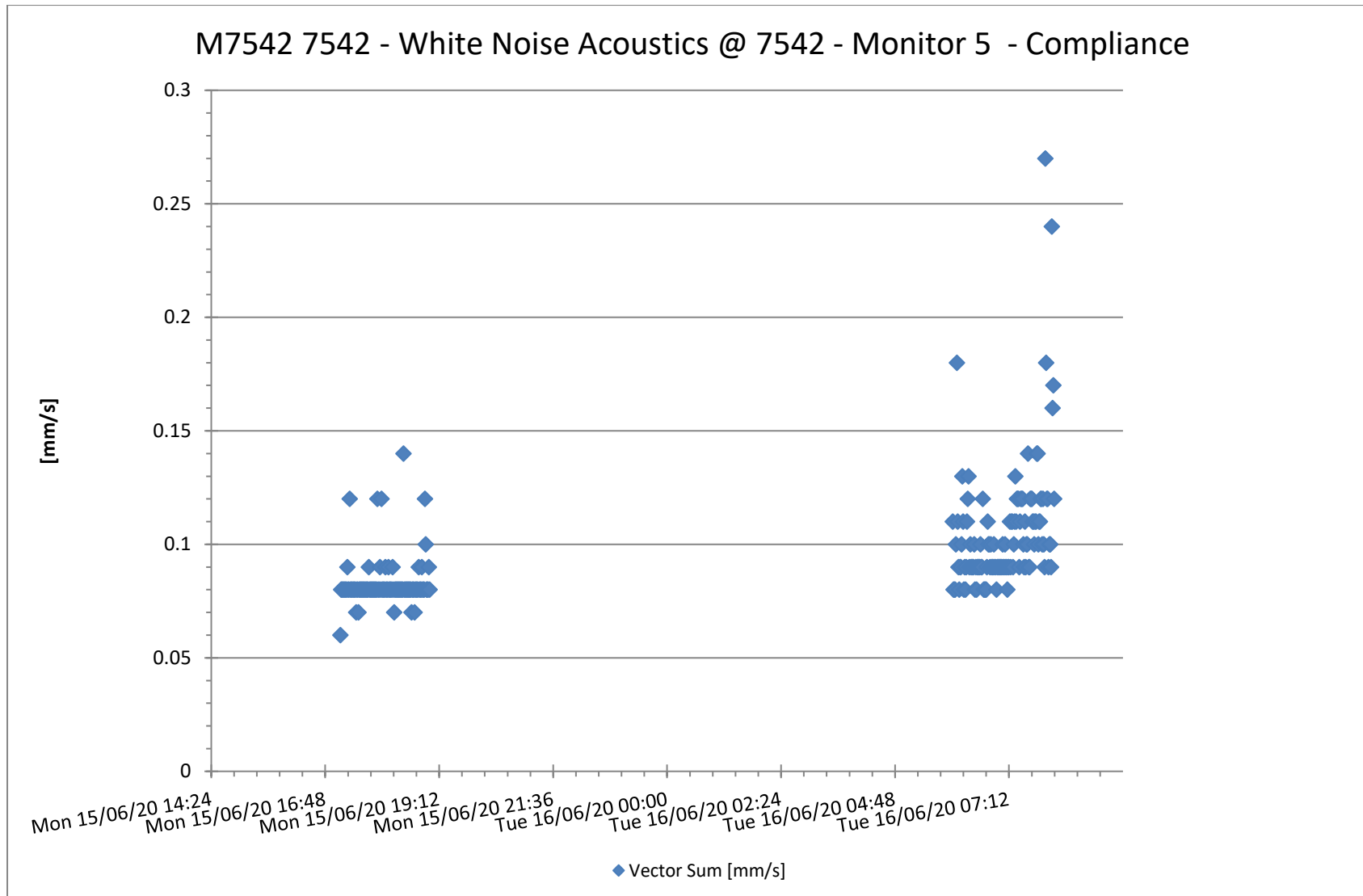




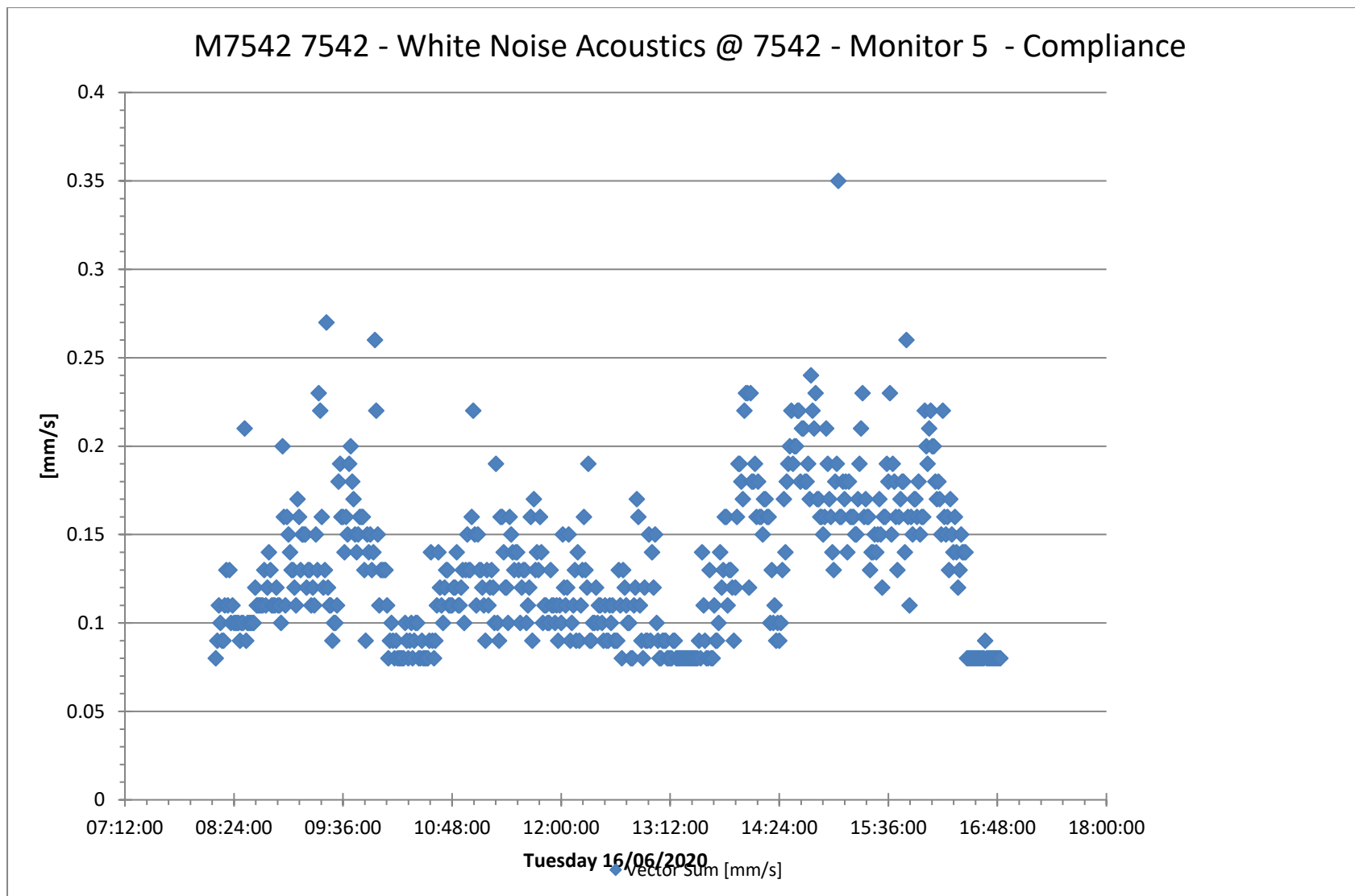
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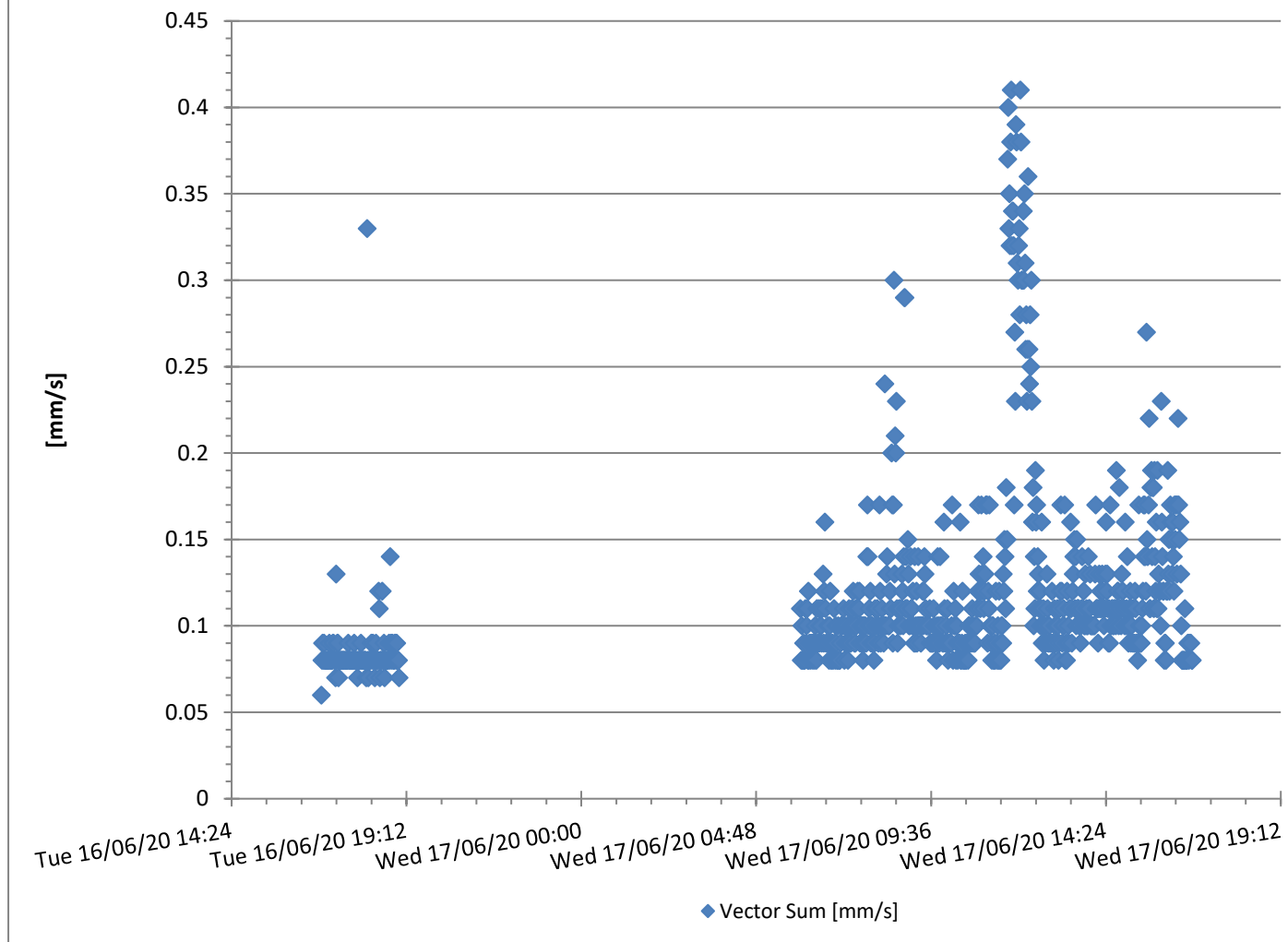
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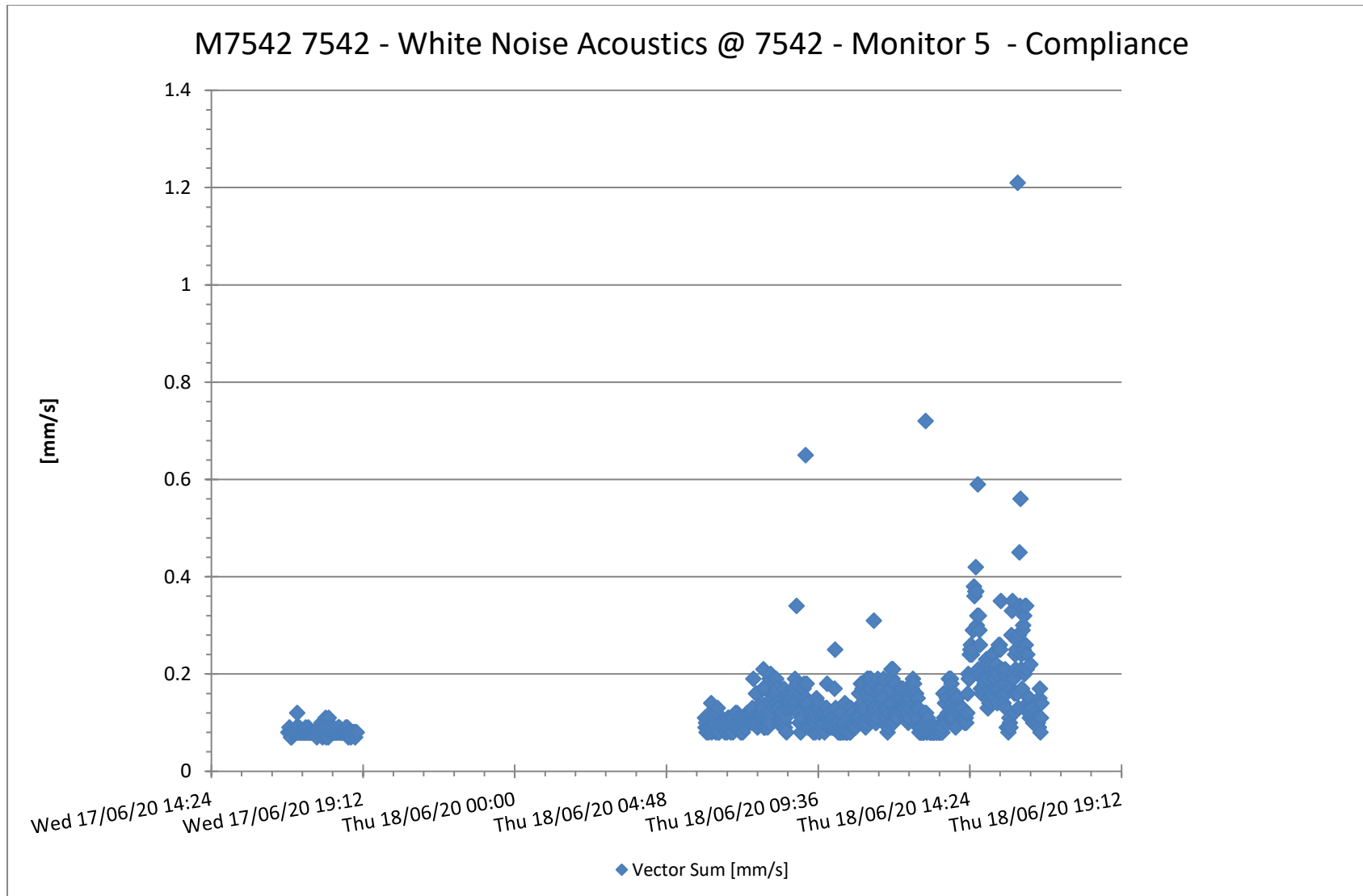
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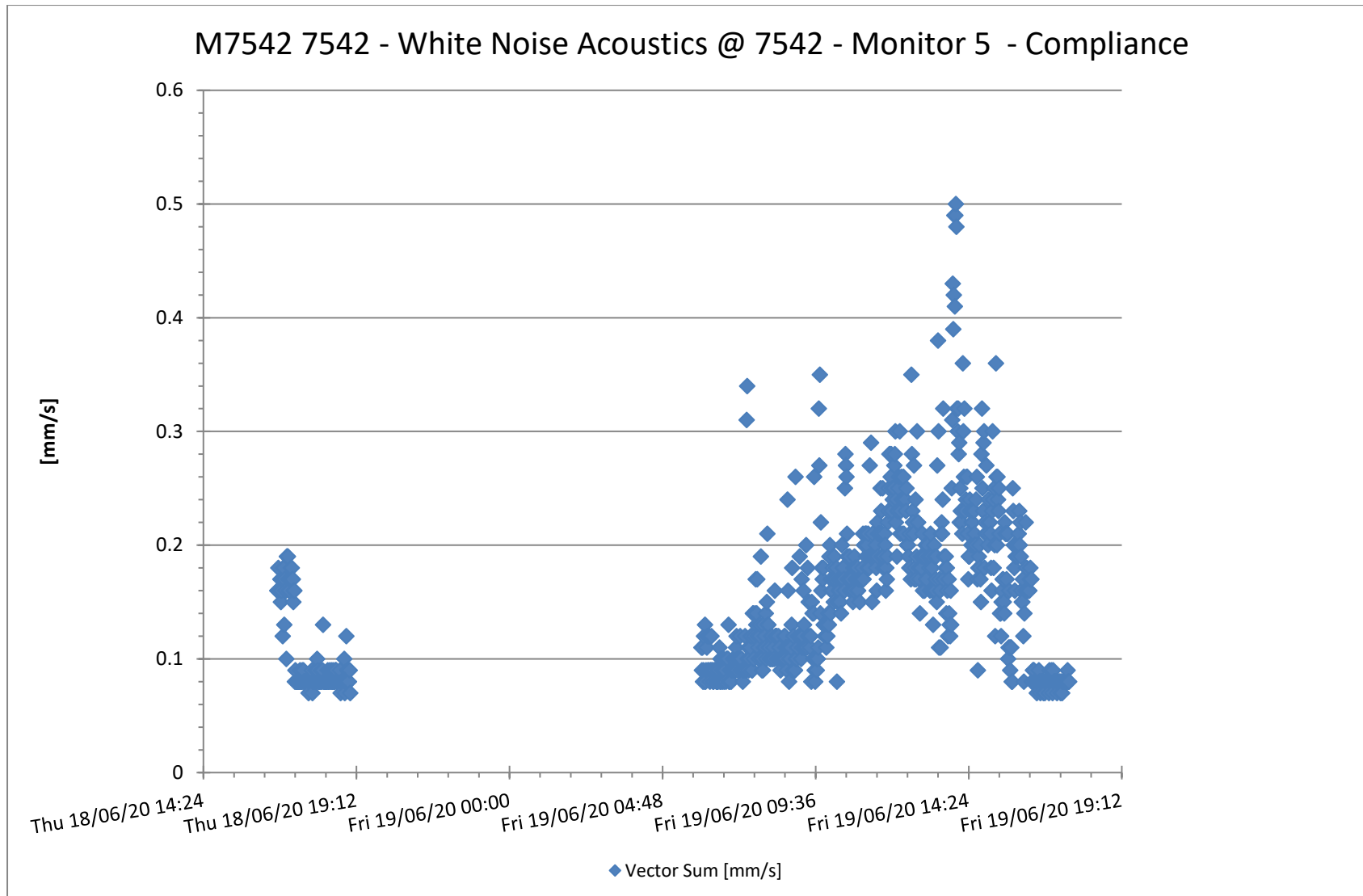
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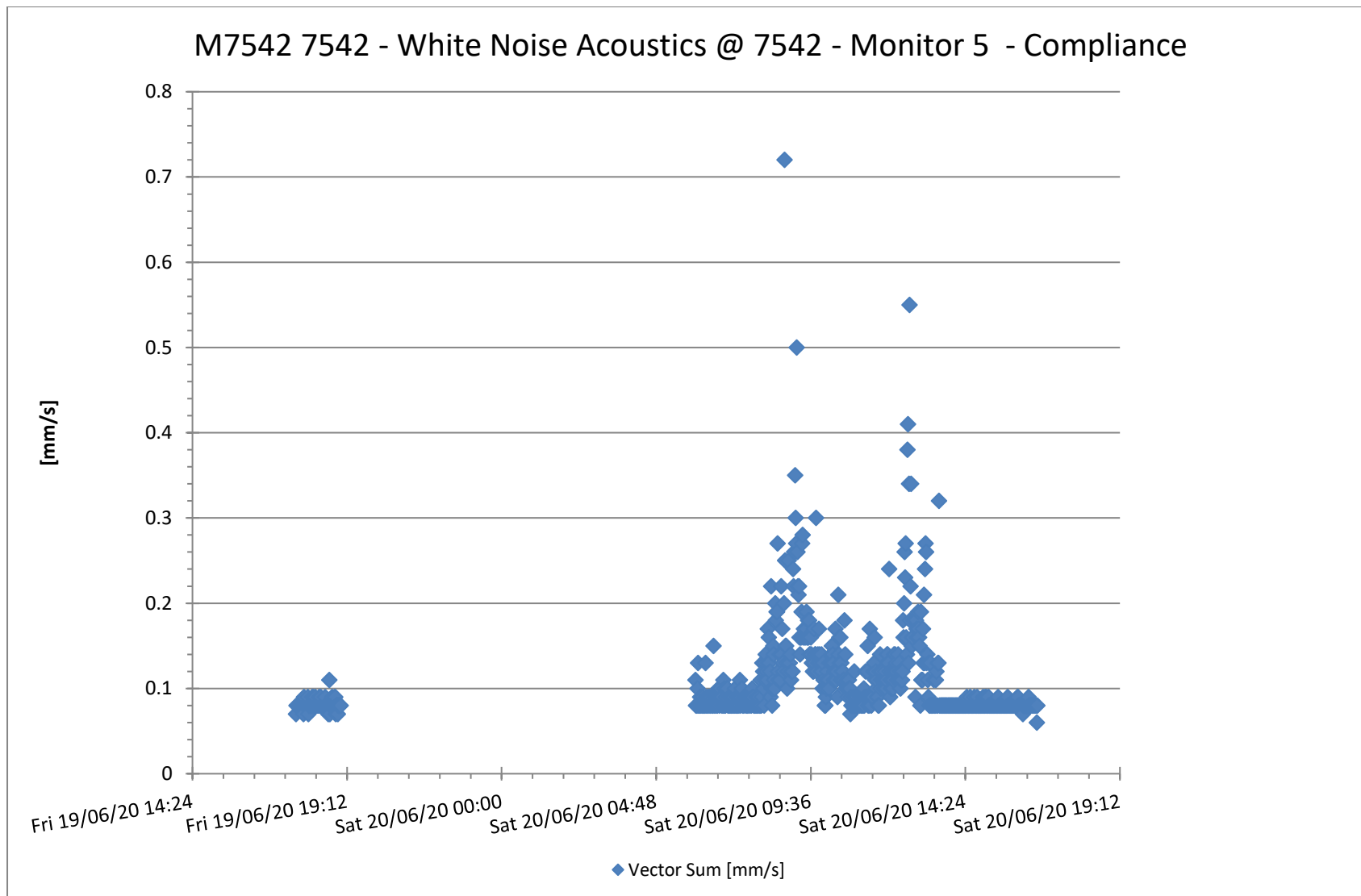
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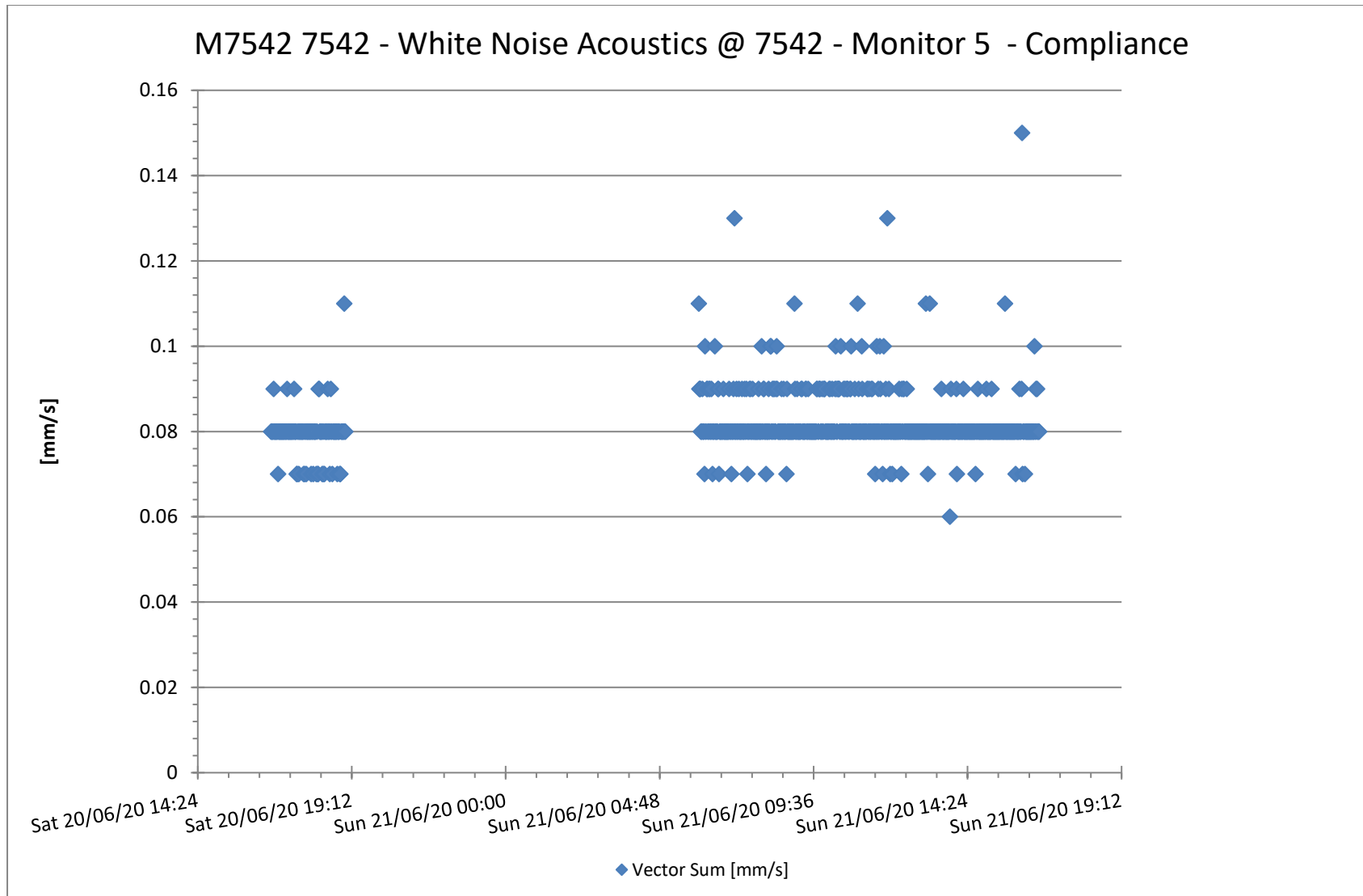
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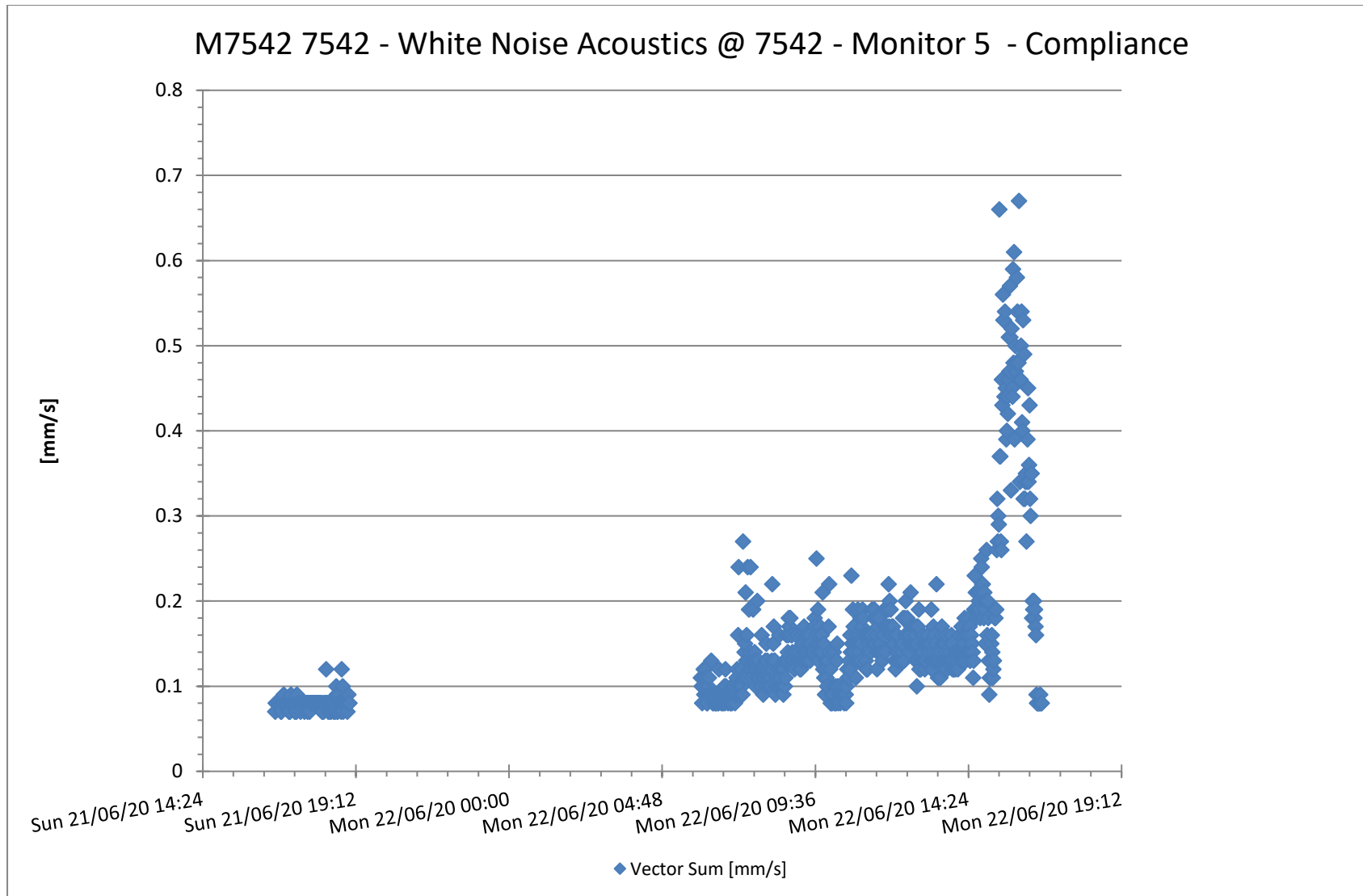




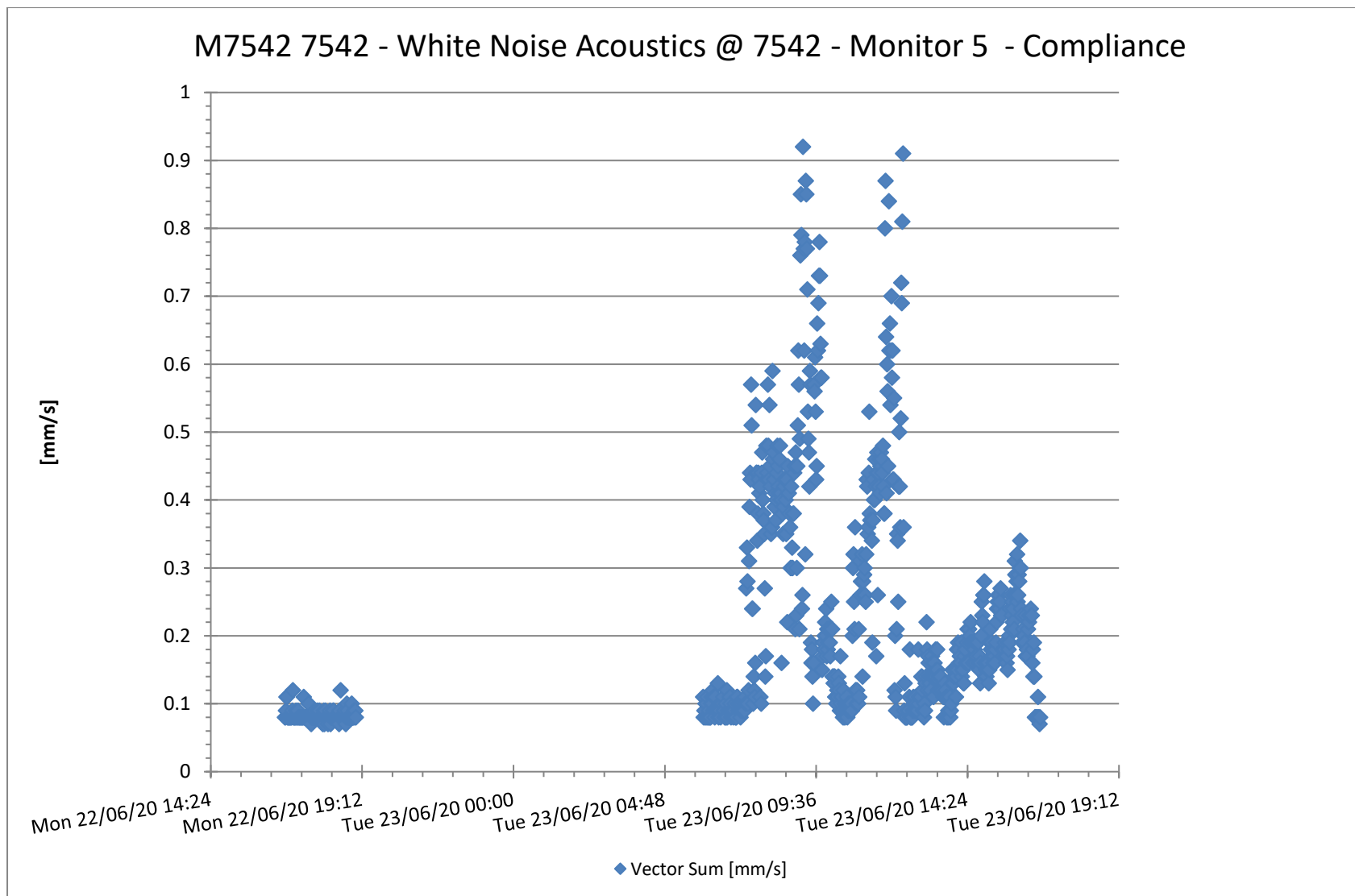
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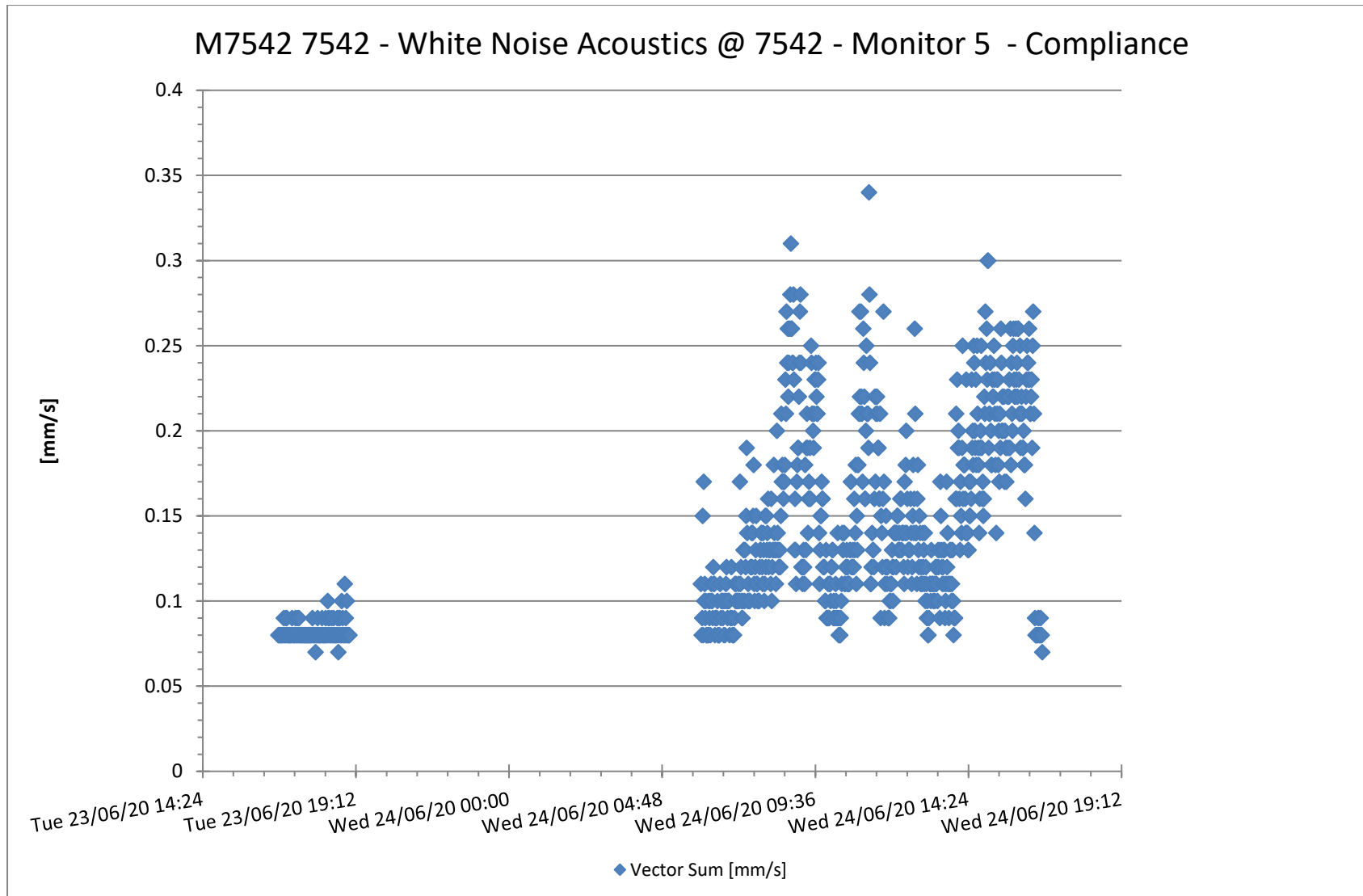
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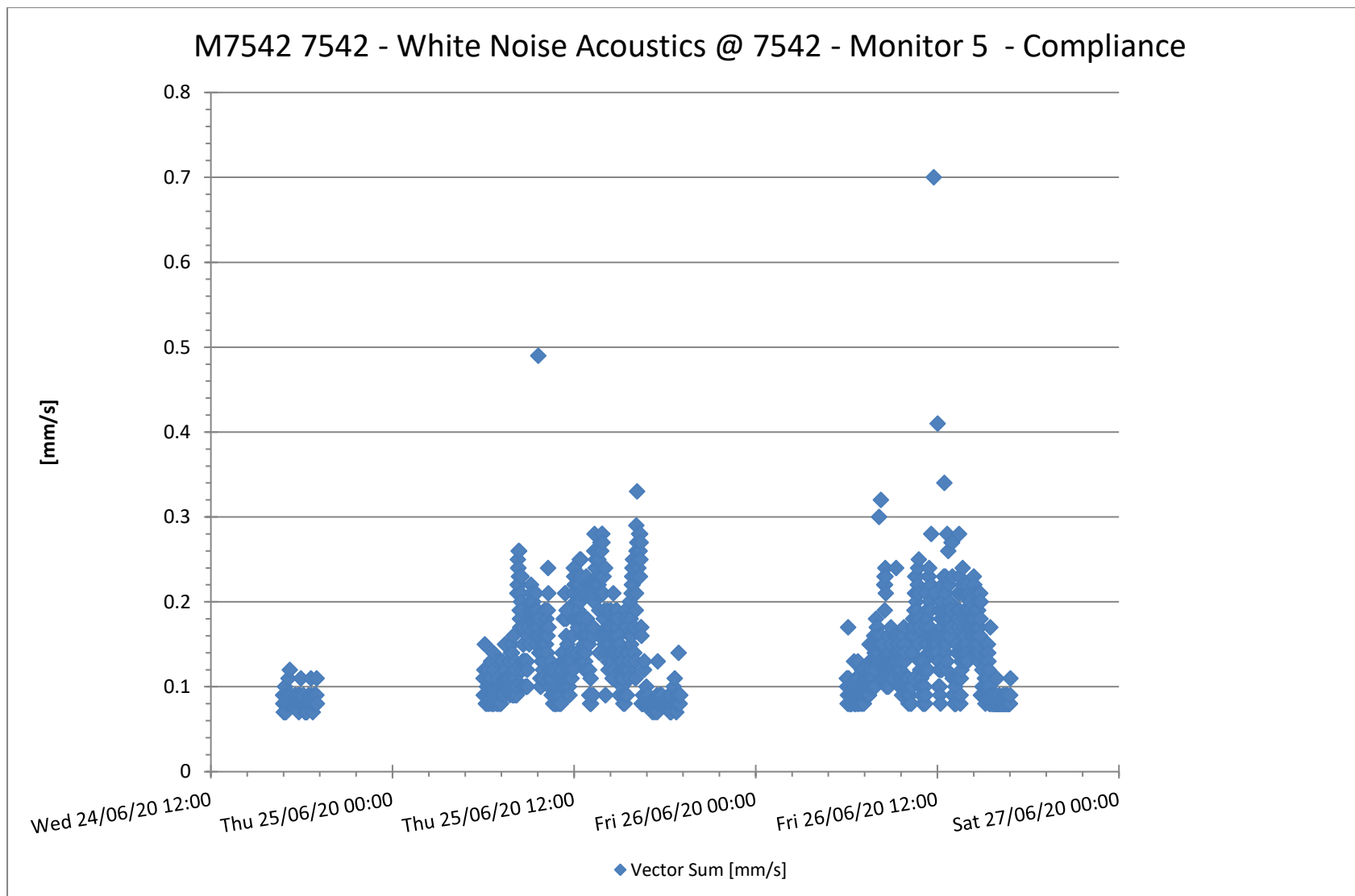
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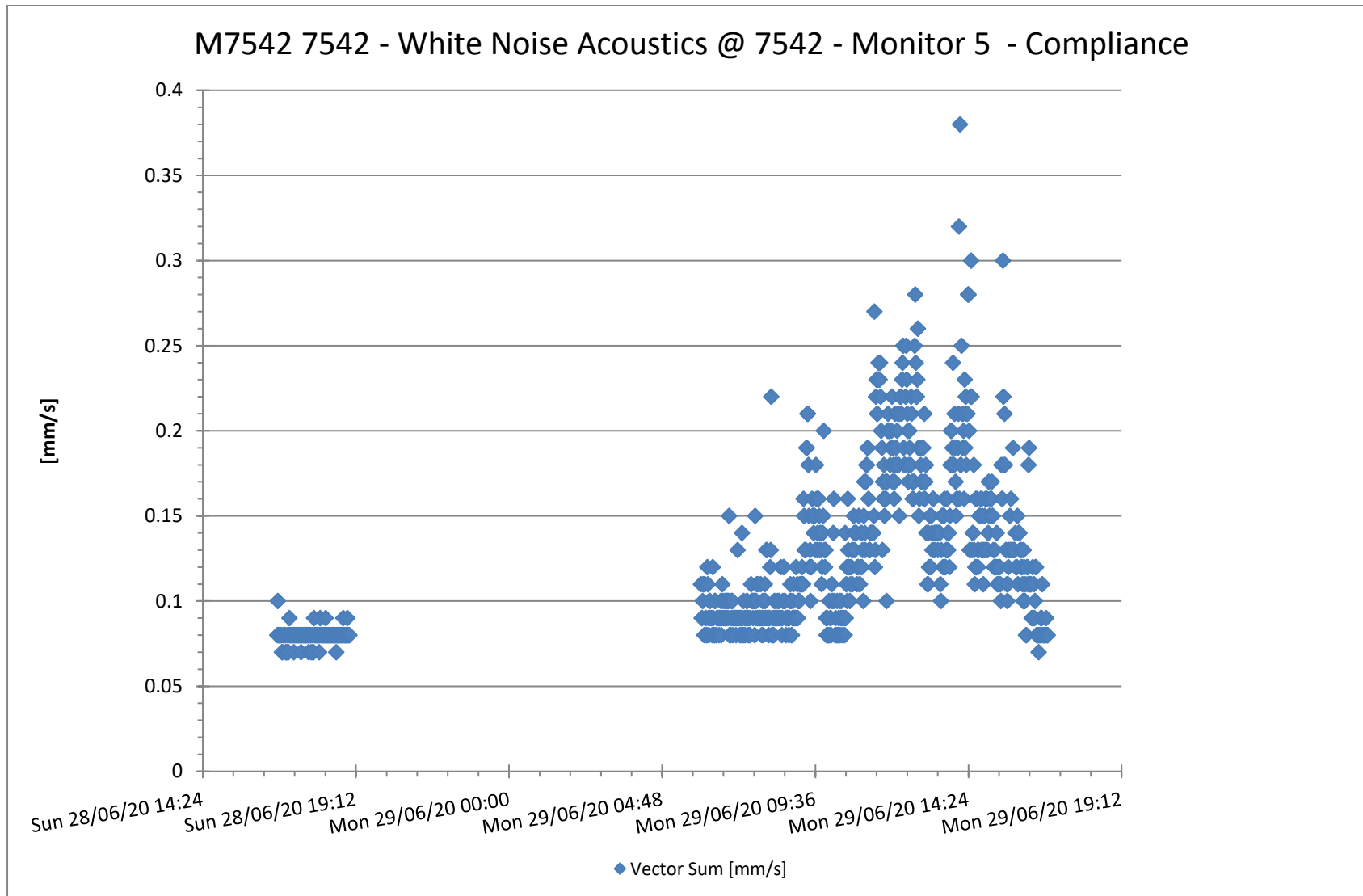
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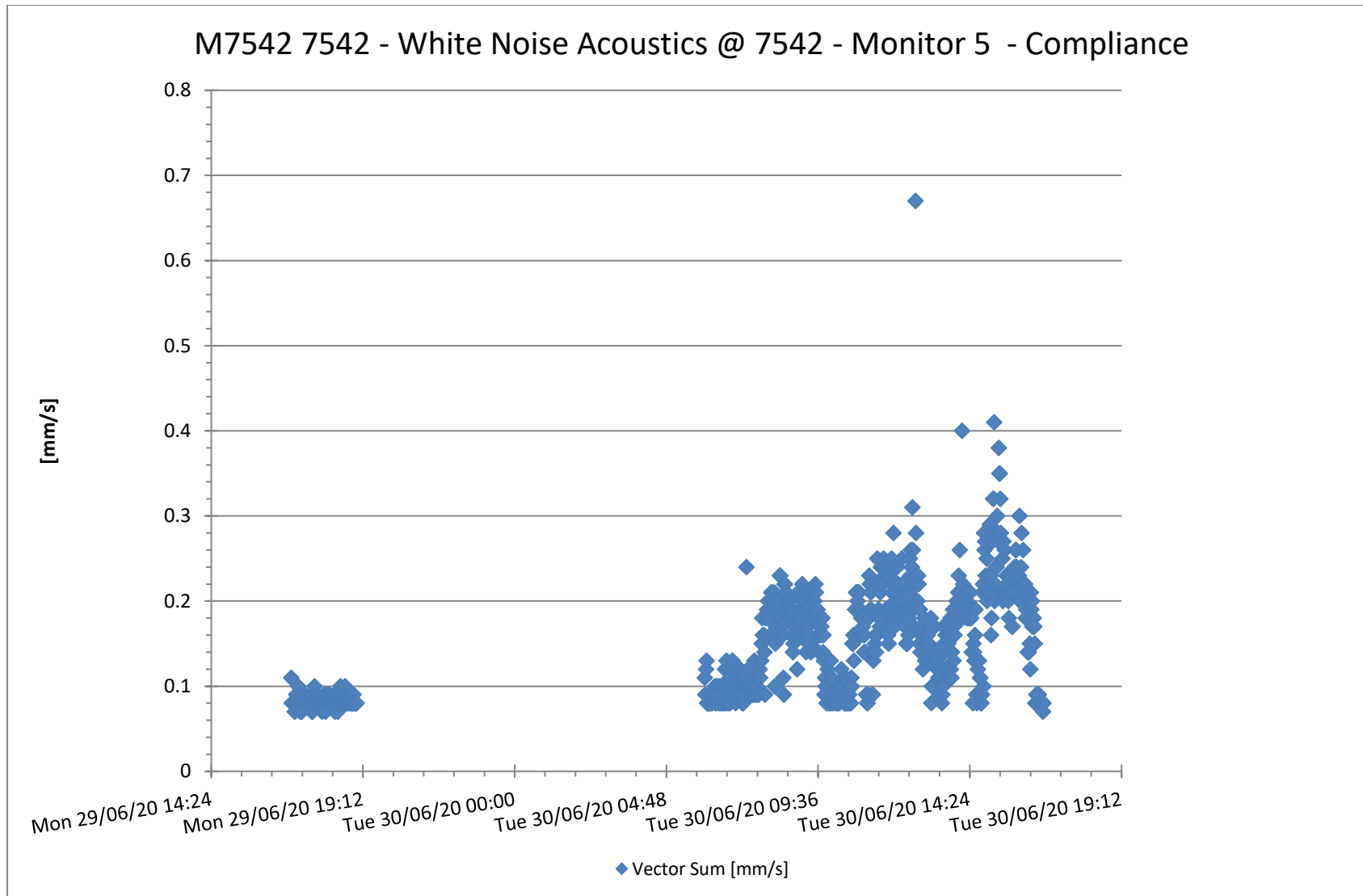
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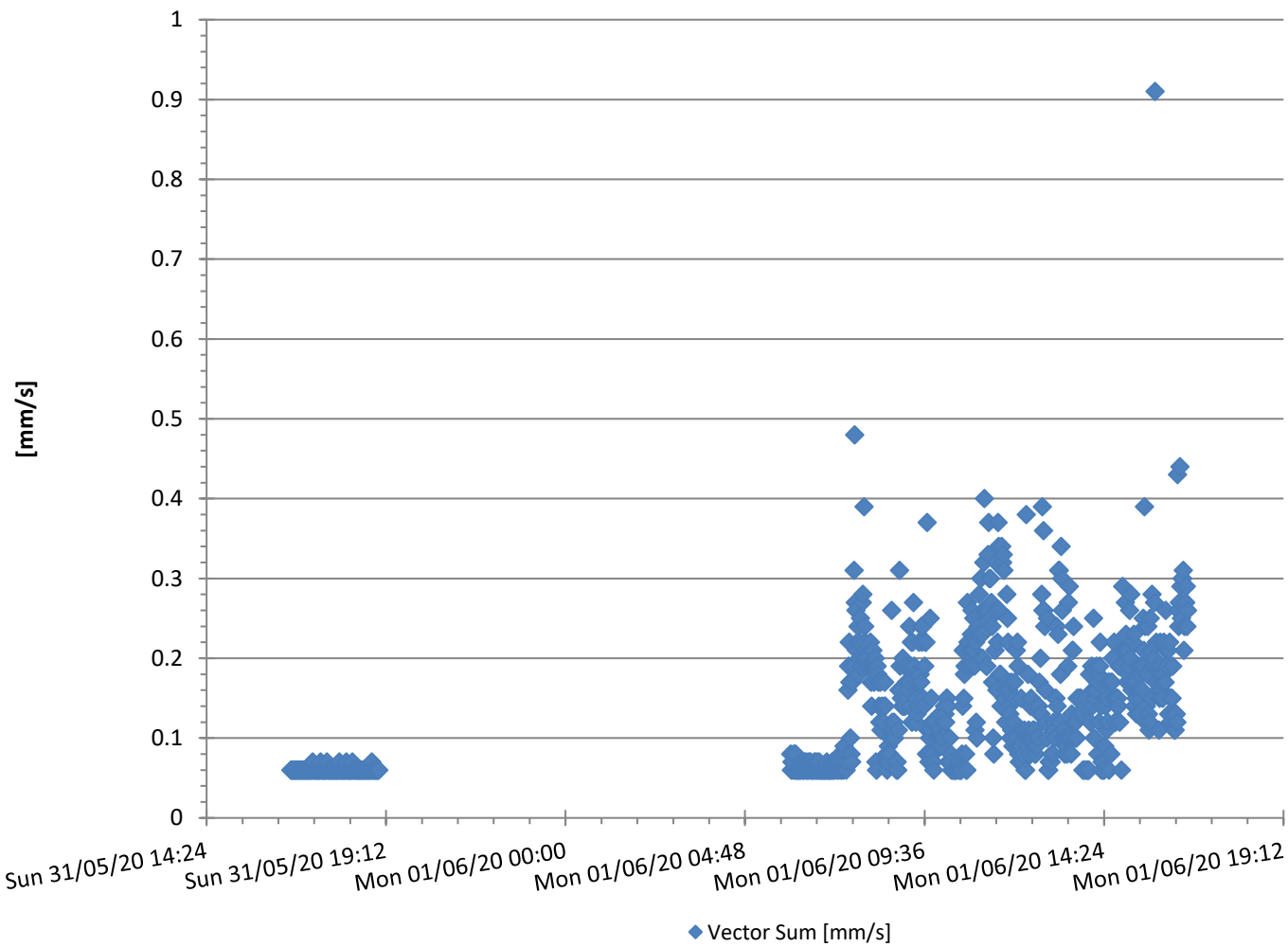
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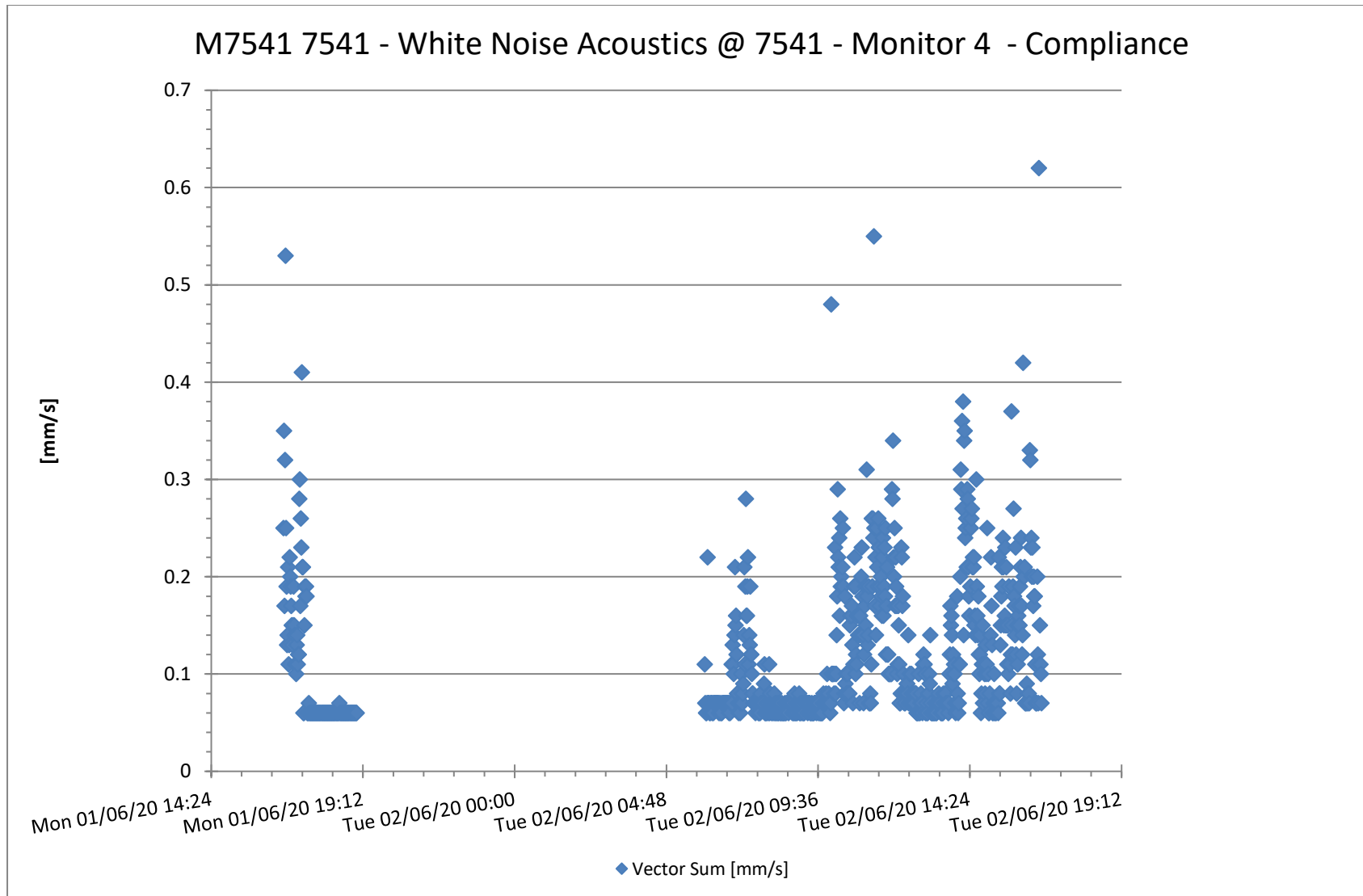


## **10 Appendix D –Logger Location 3 – Monitor M7541**

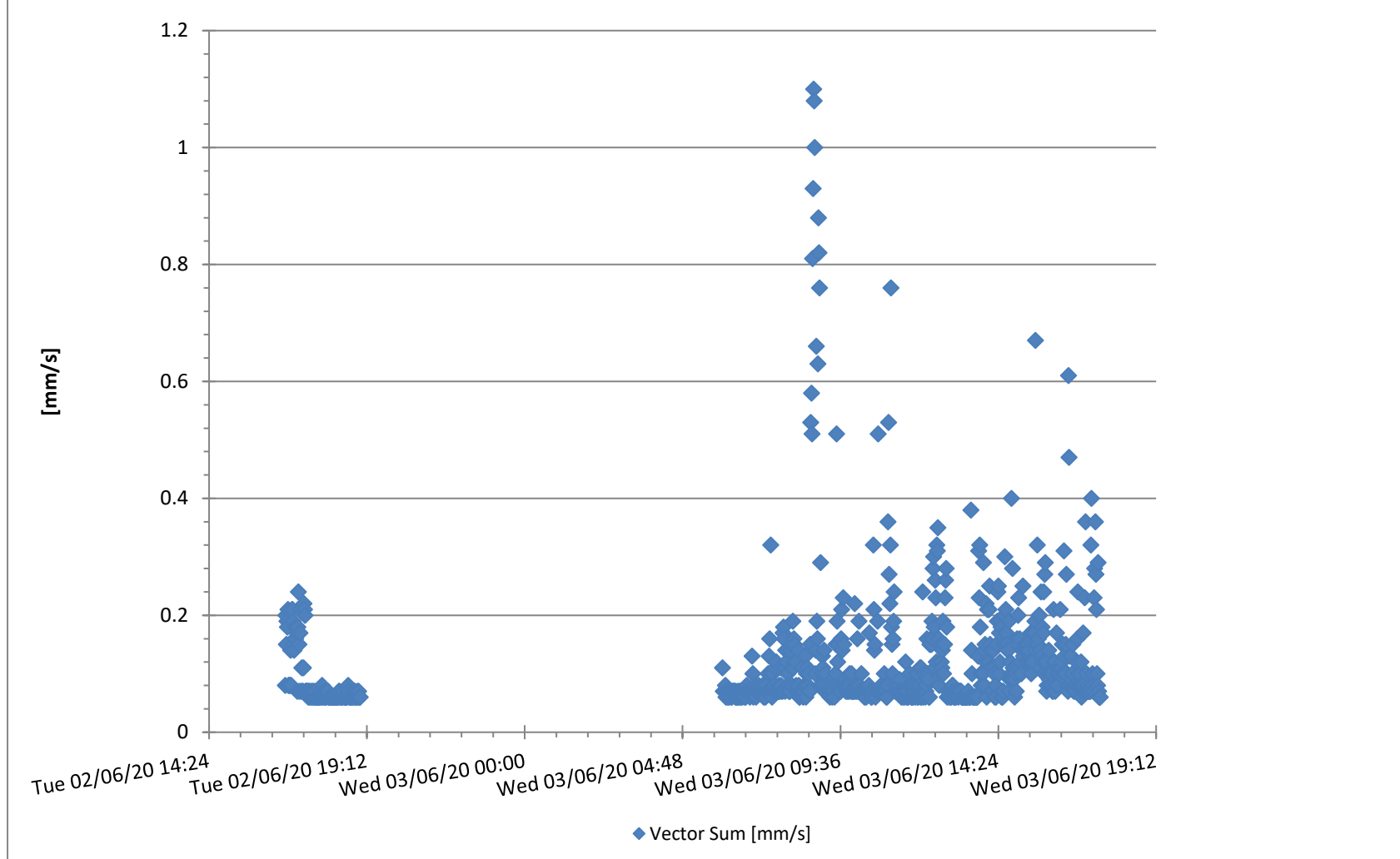
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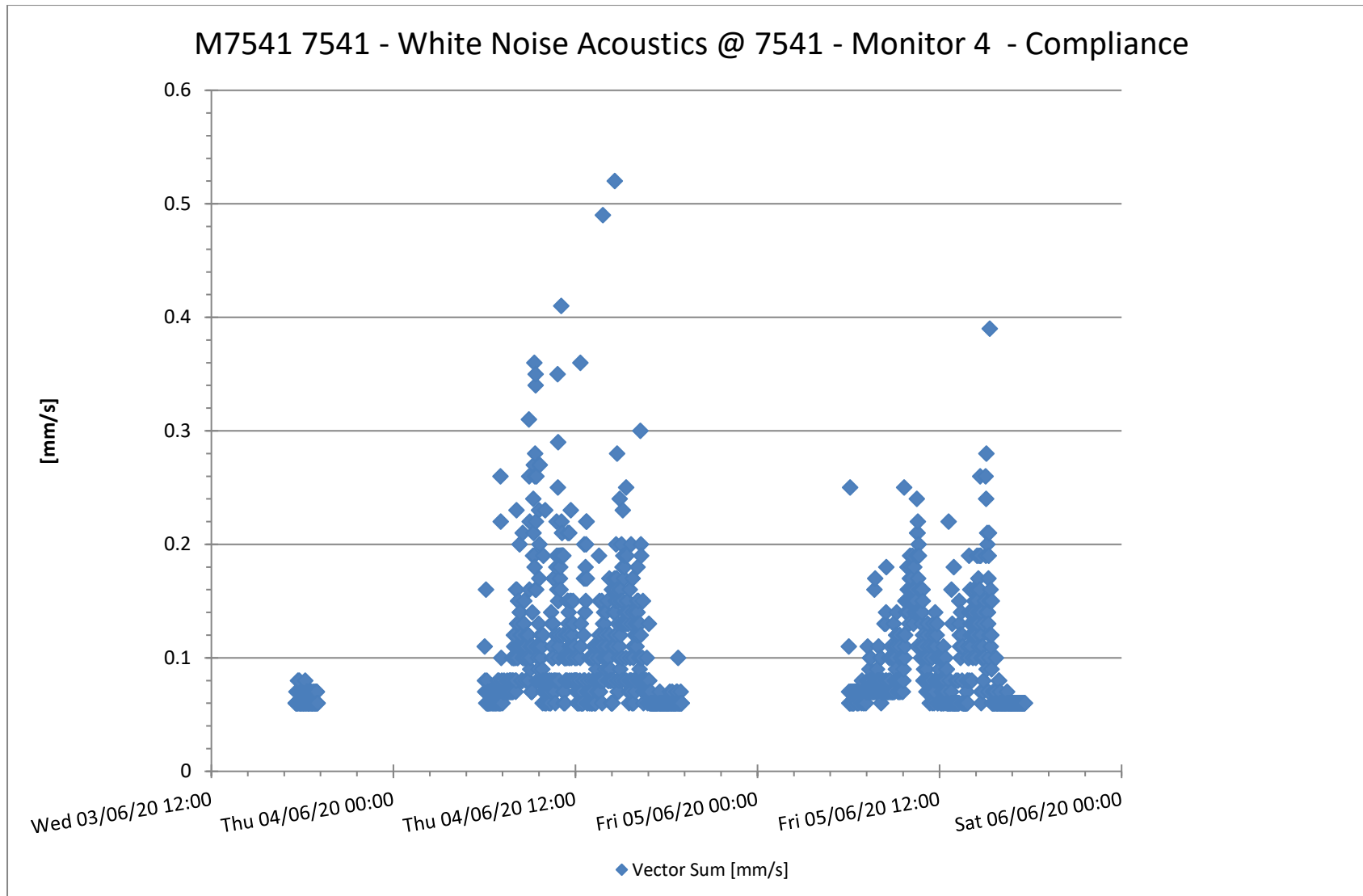
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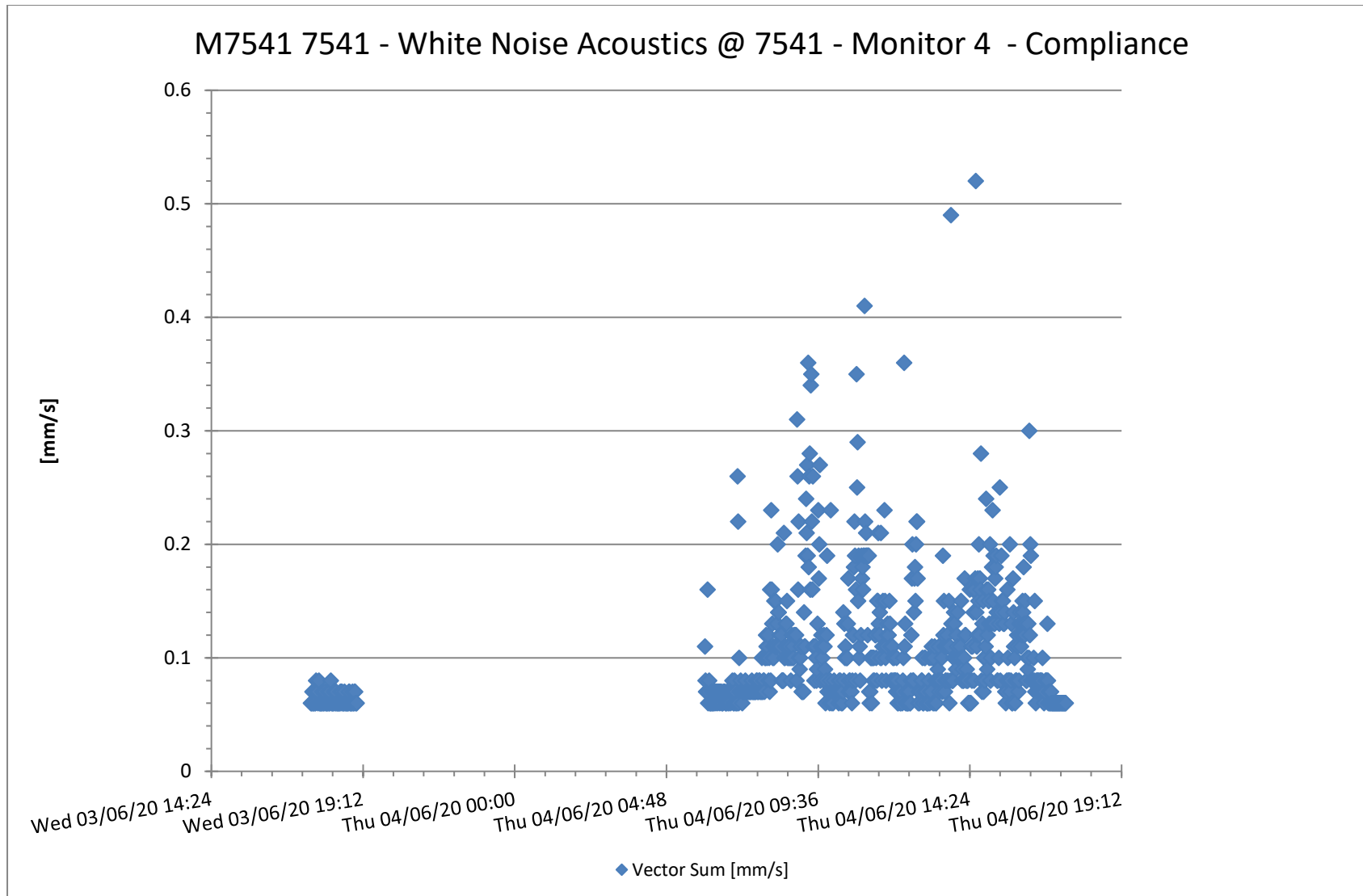
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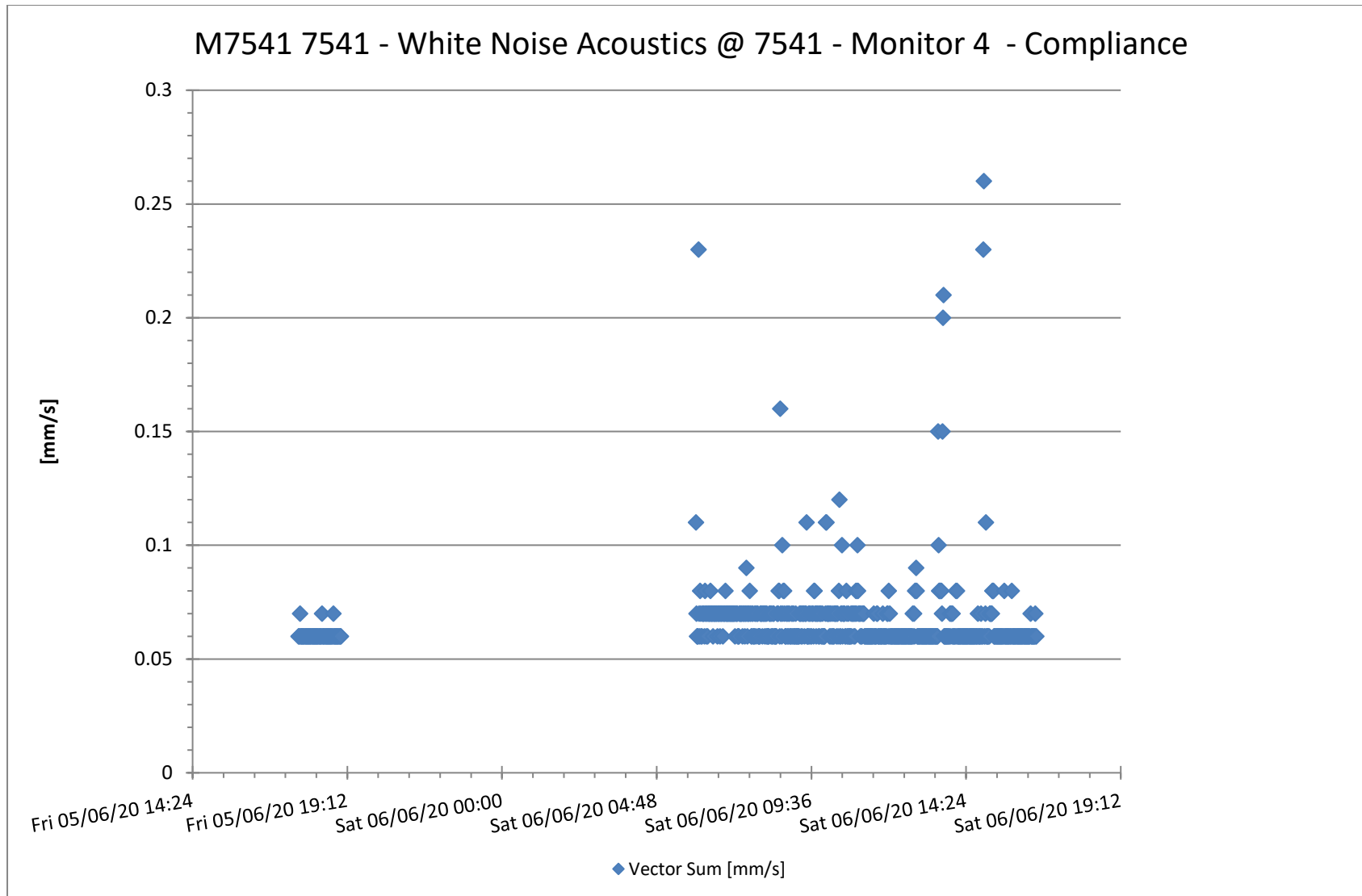
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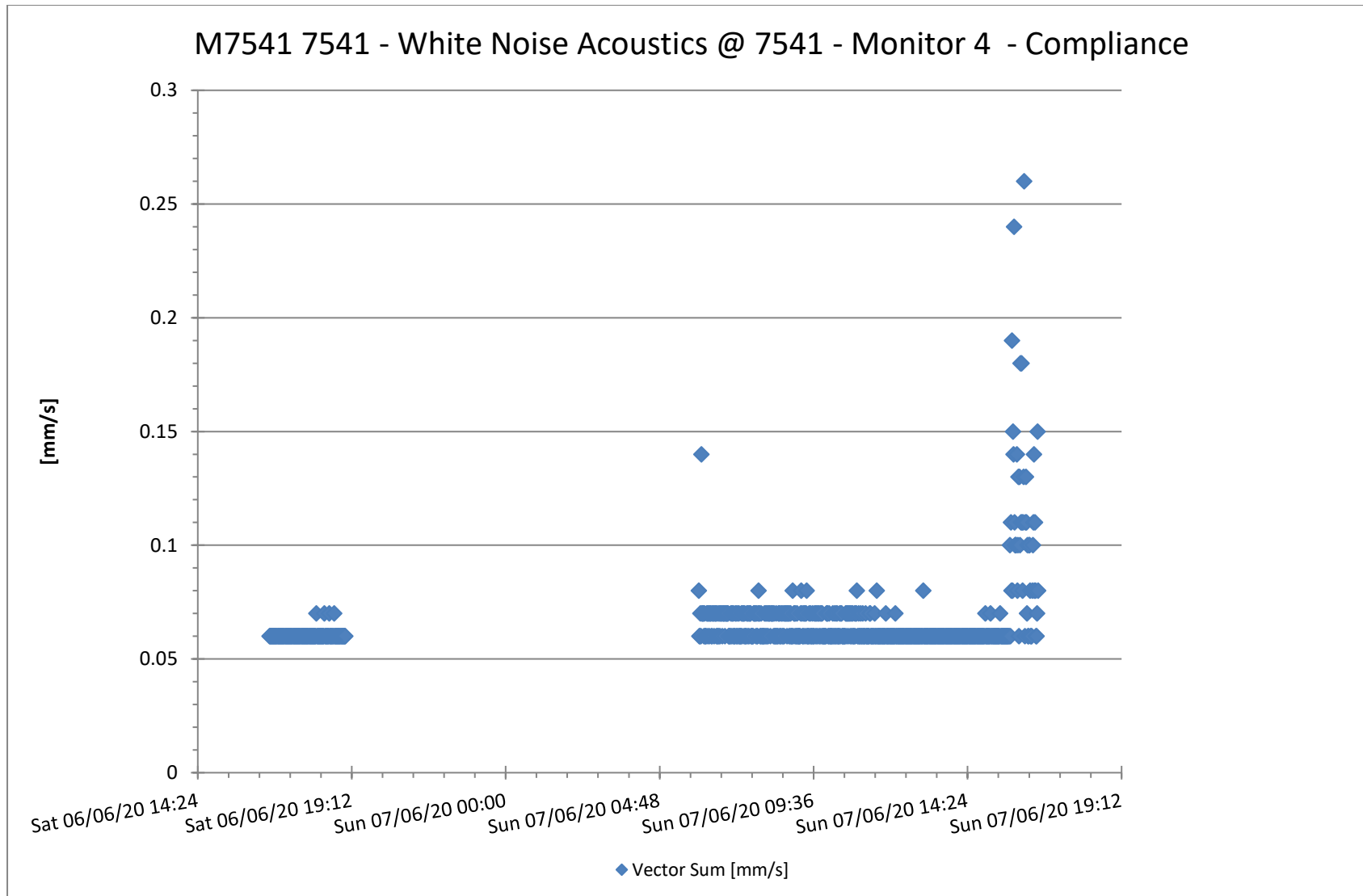
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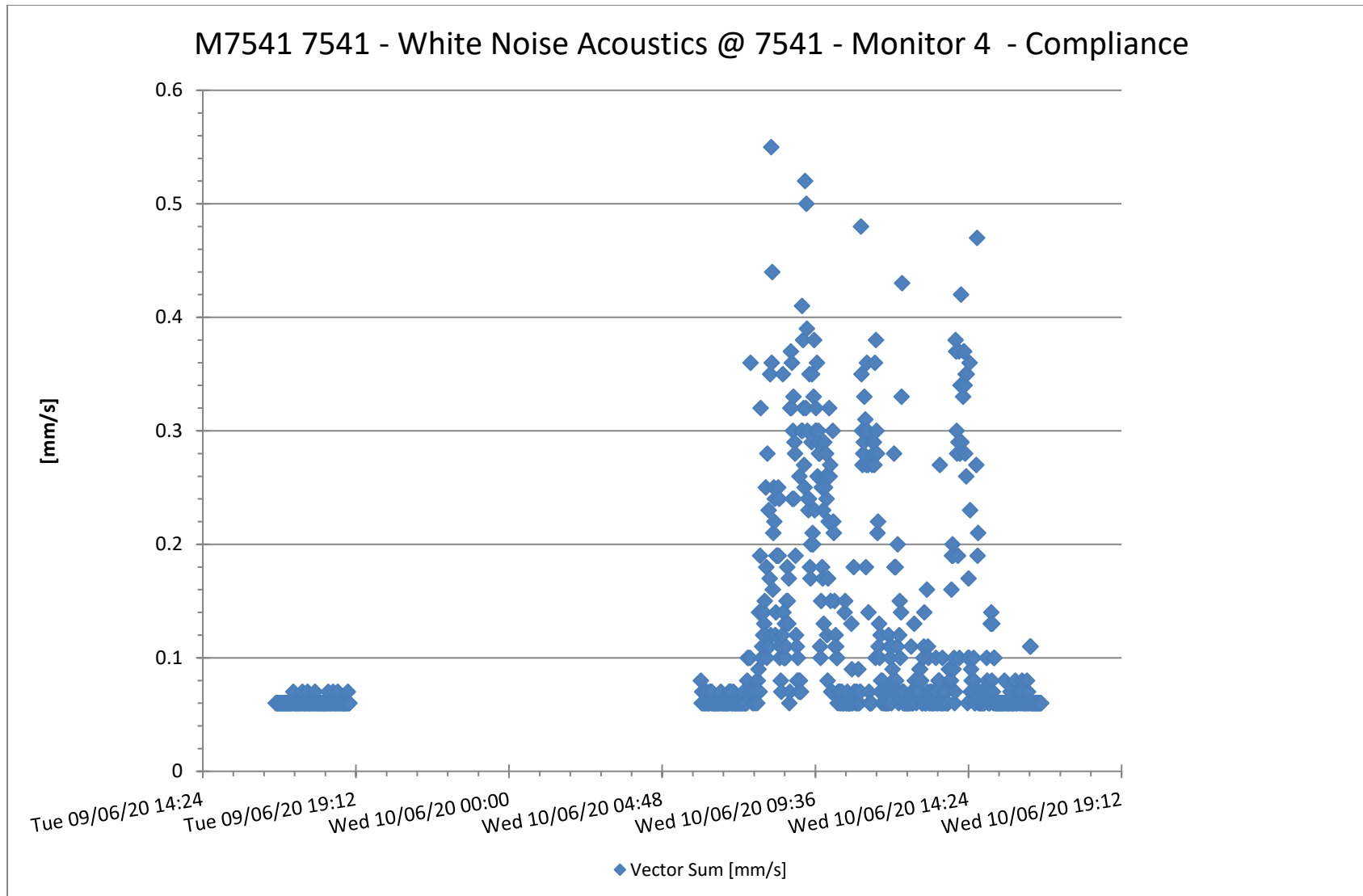




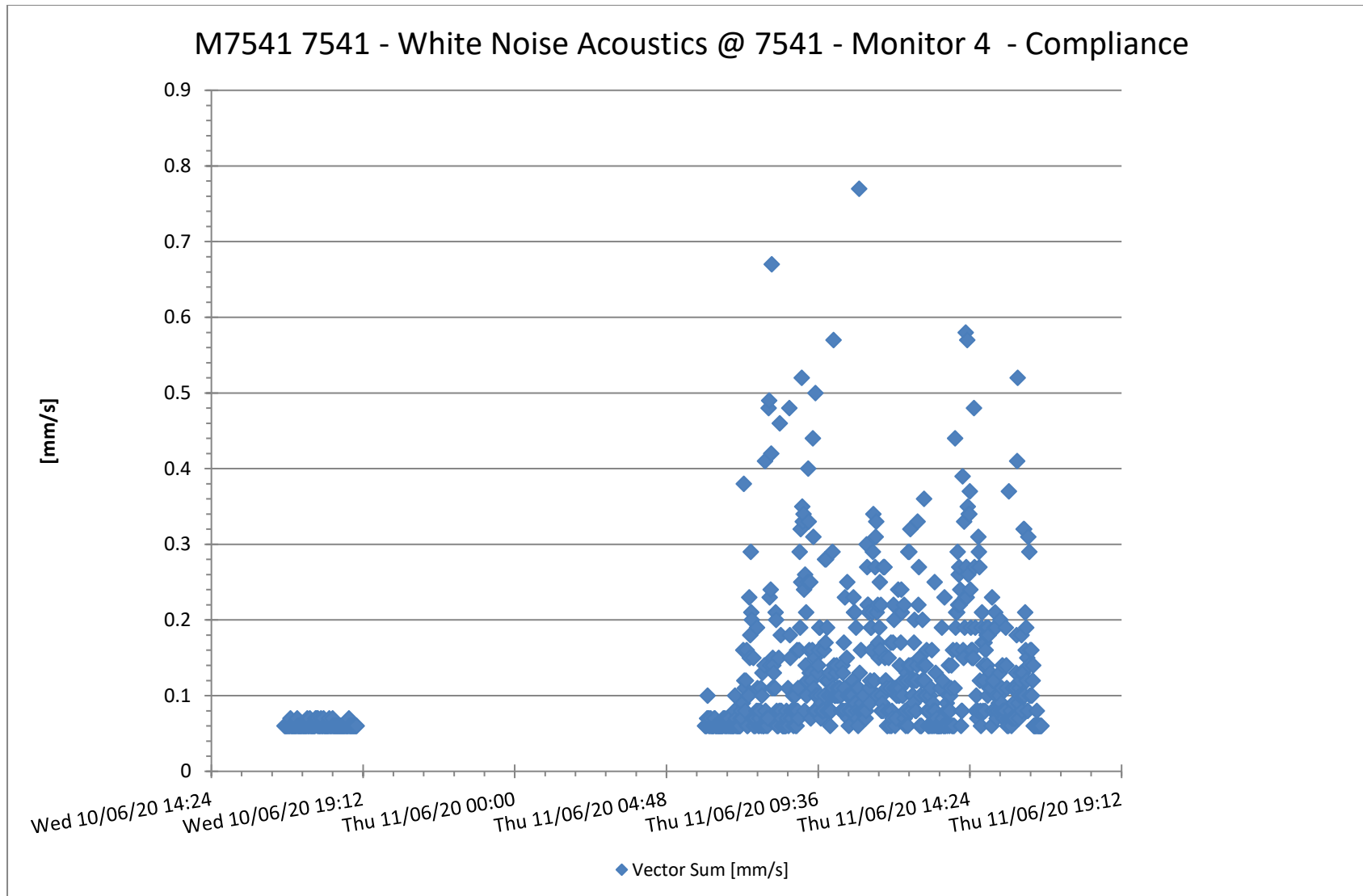




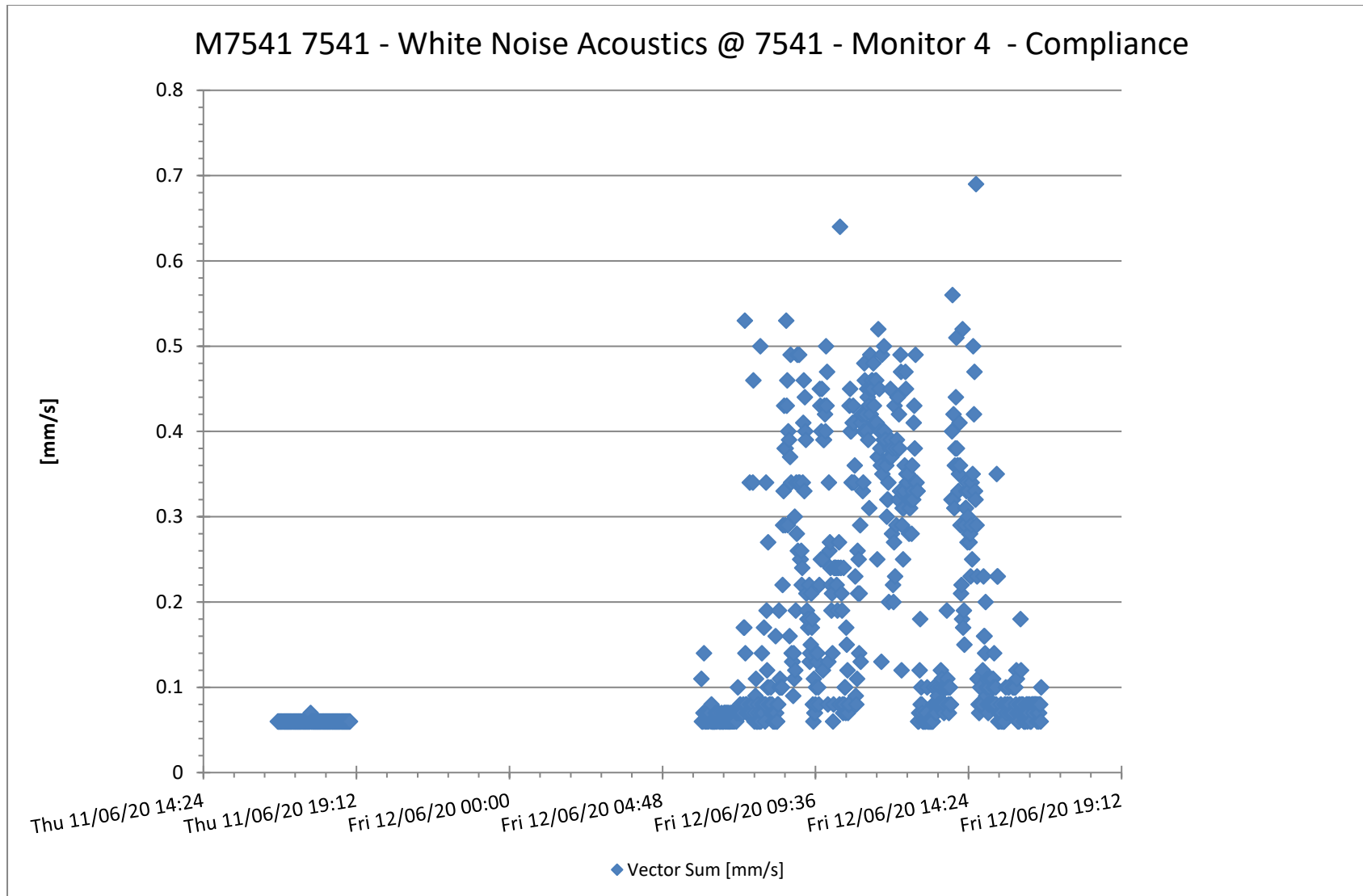
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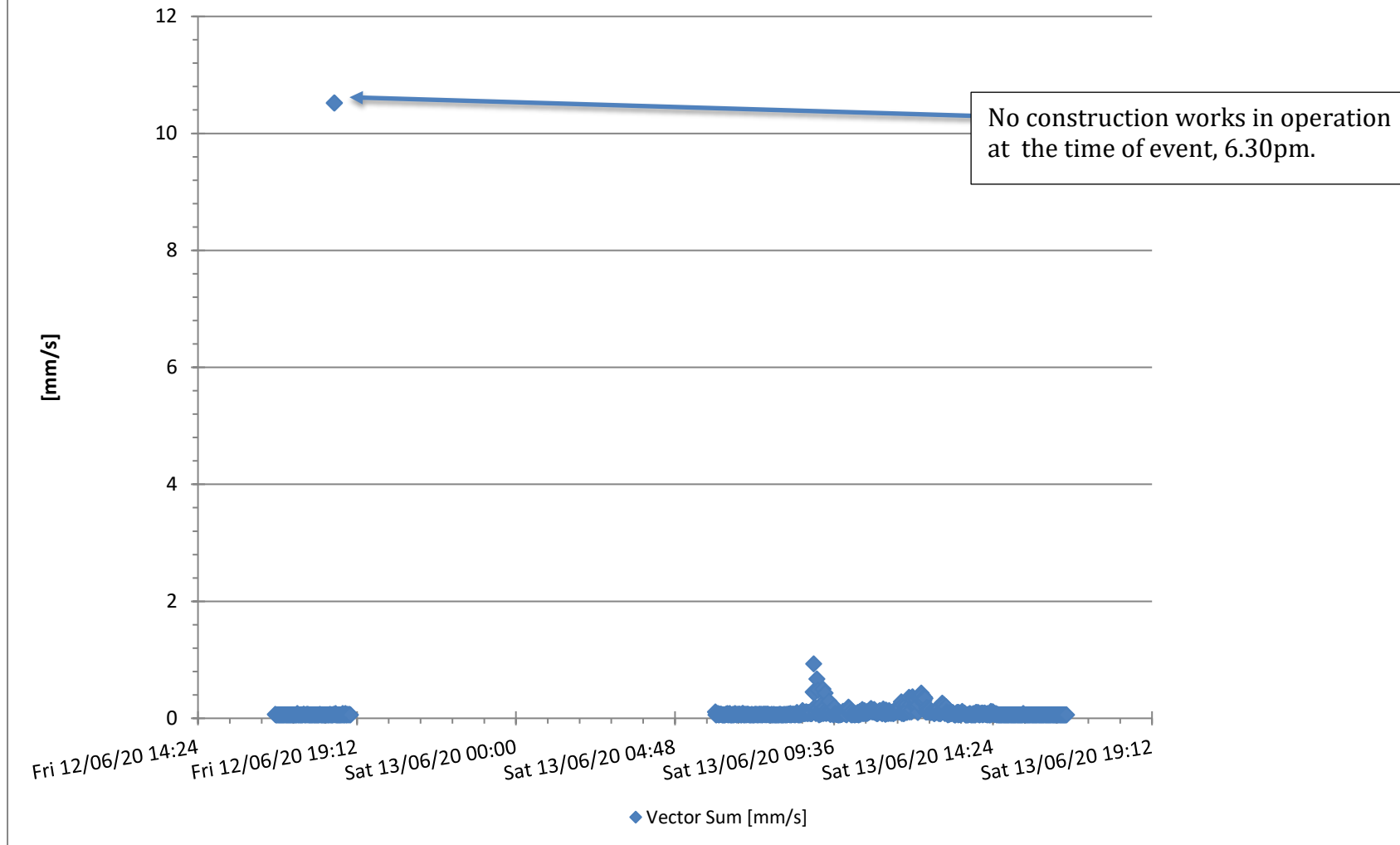
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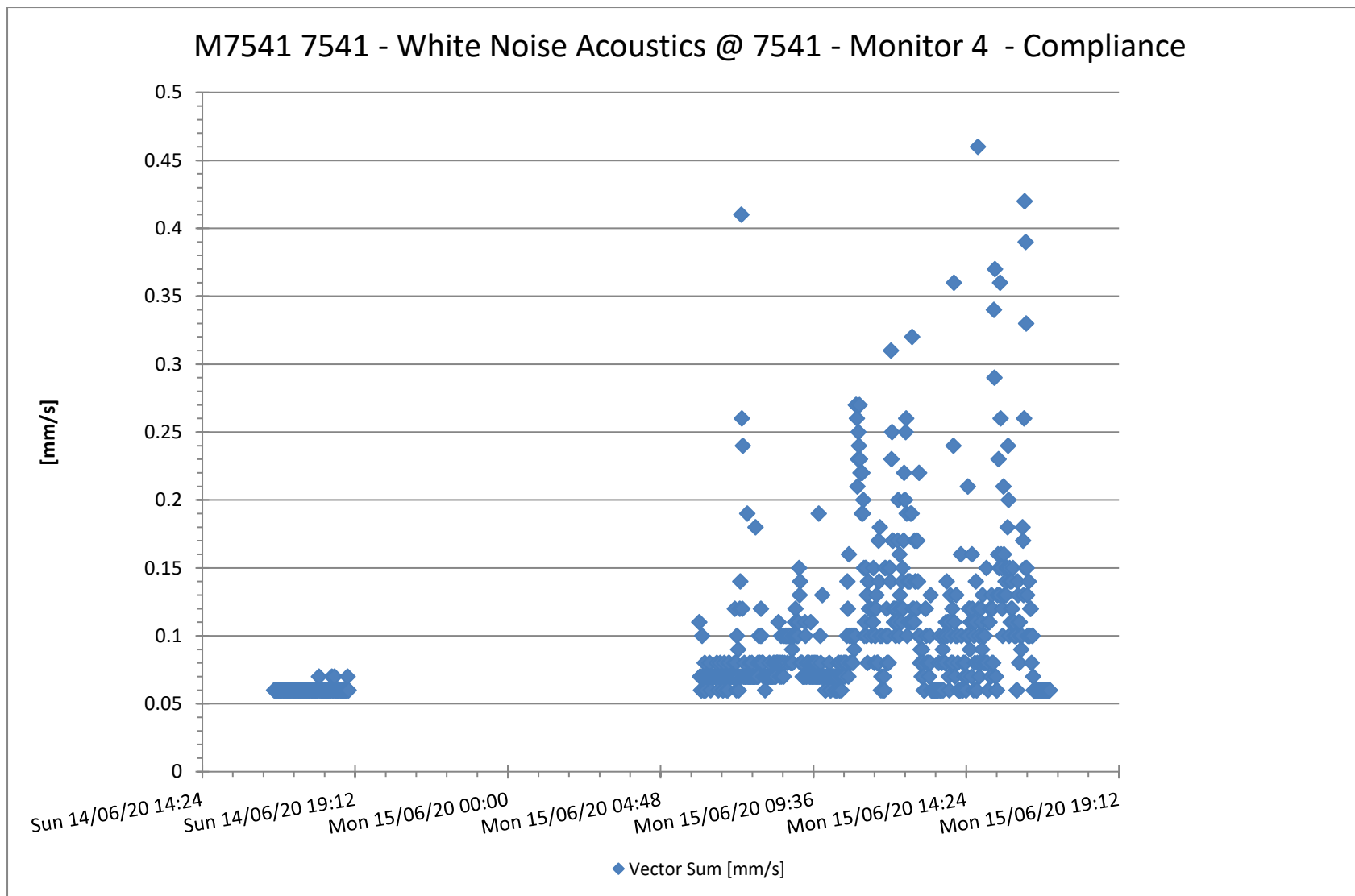


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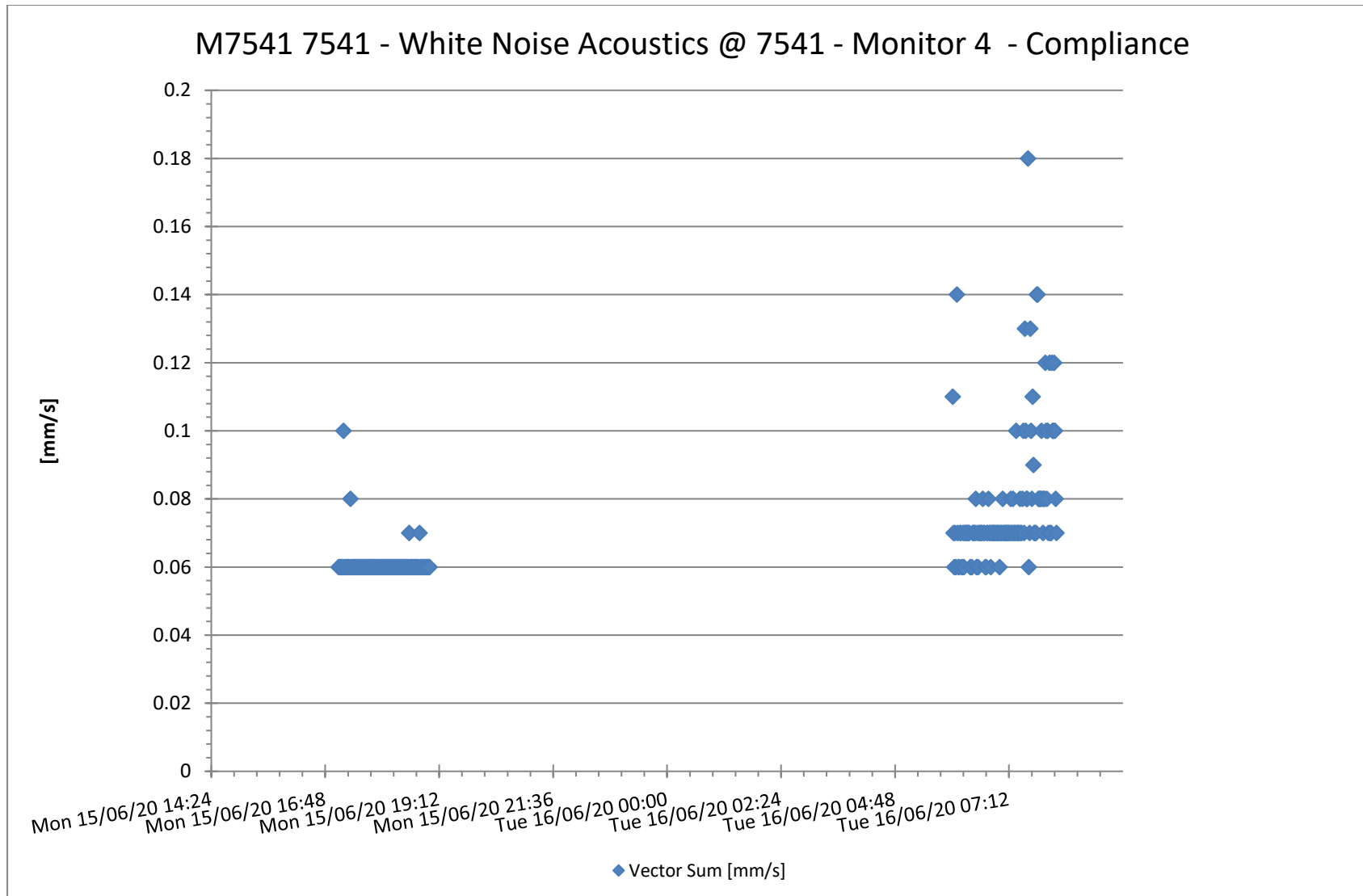


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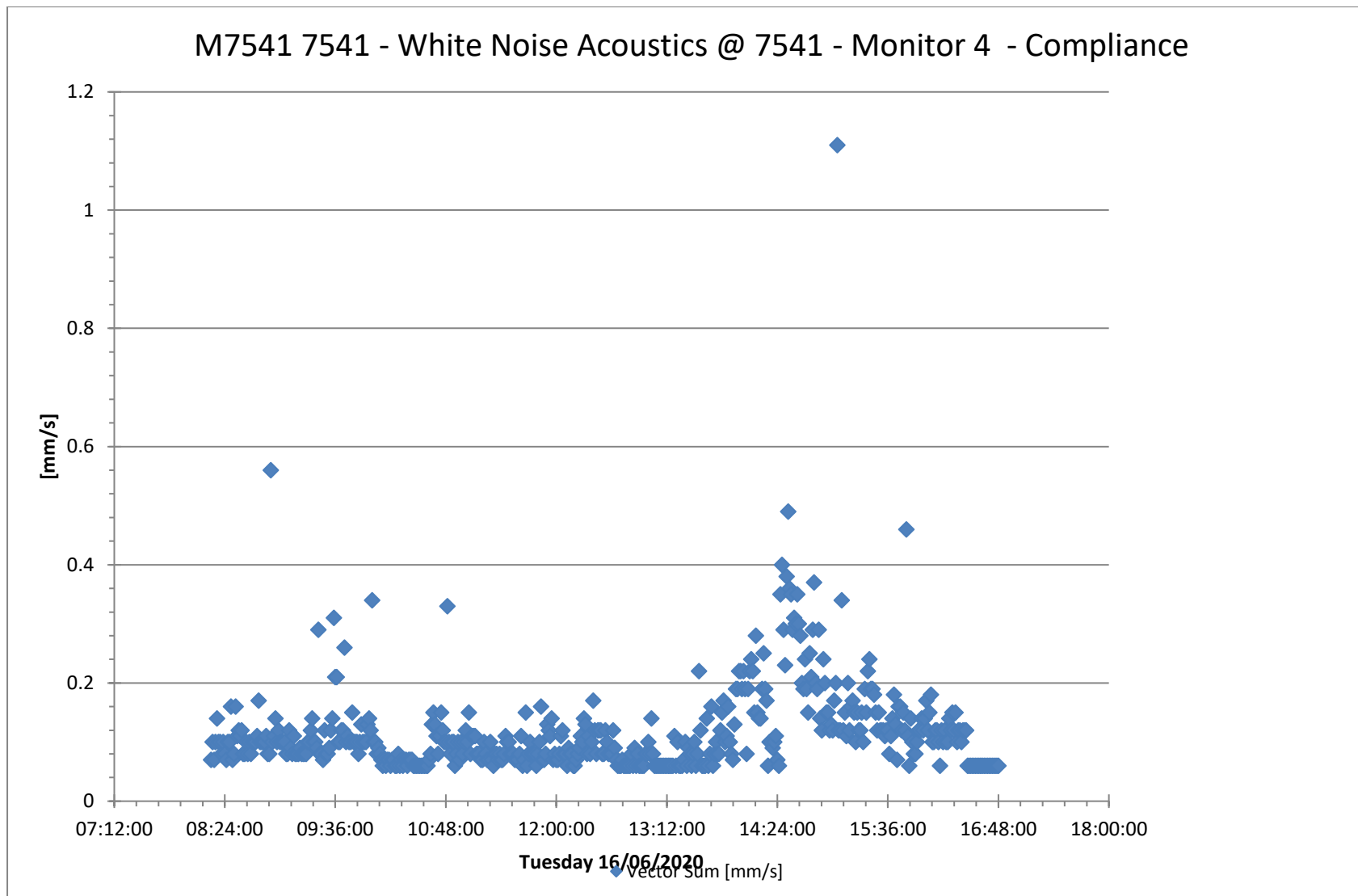




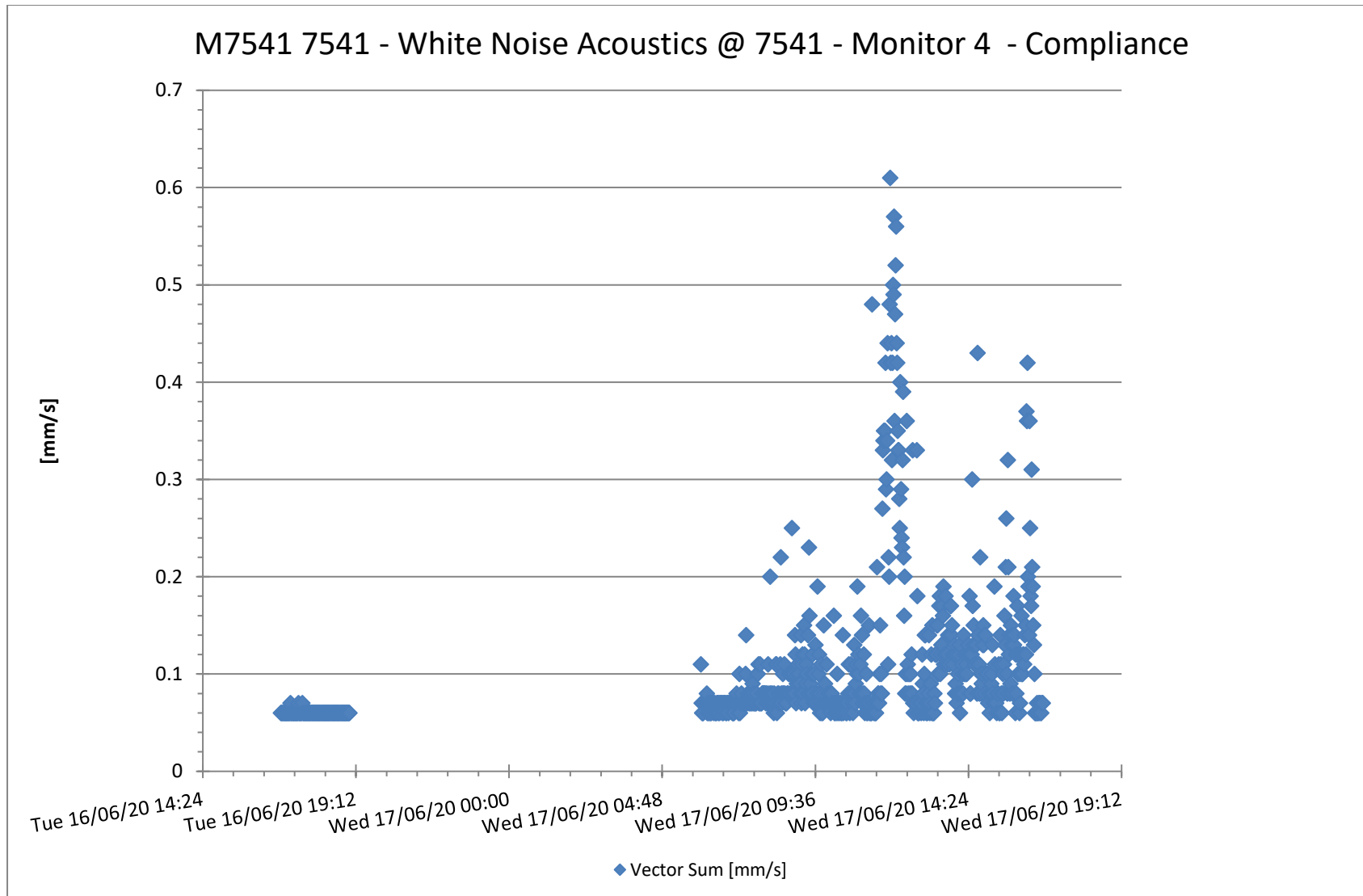
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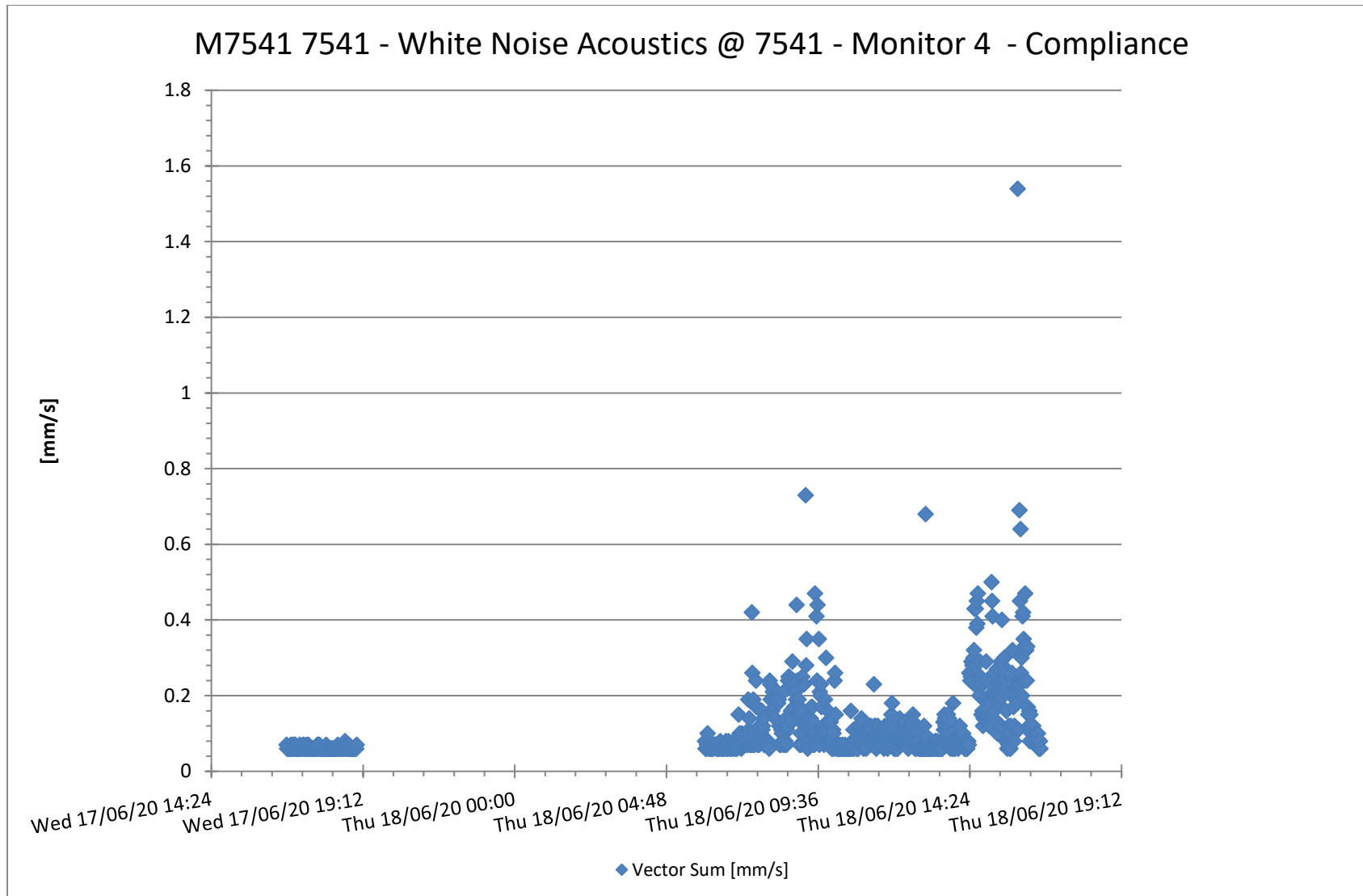
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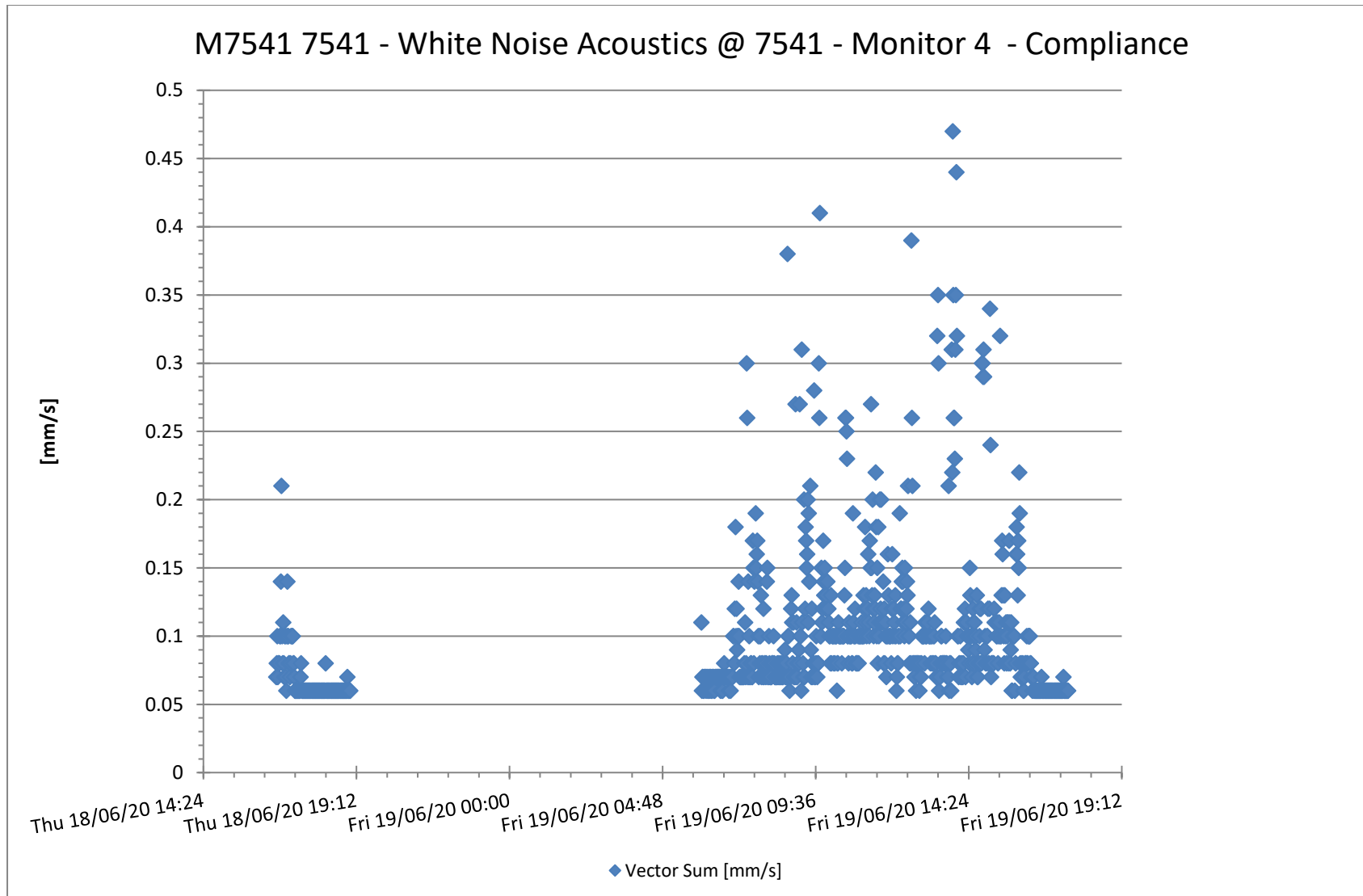
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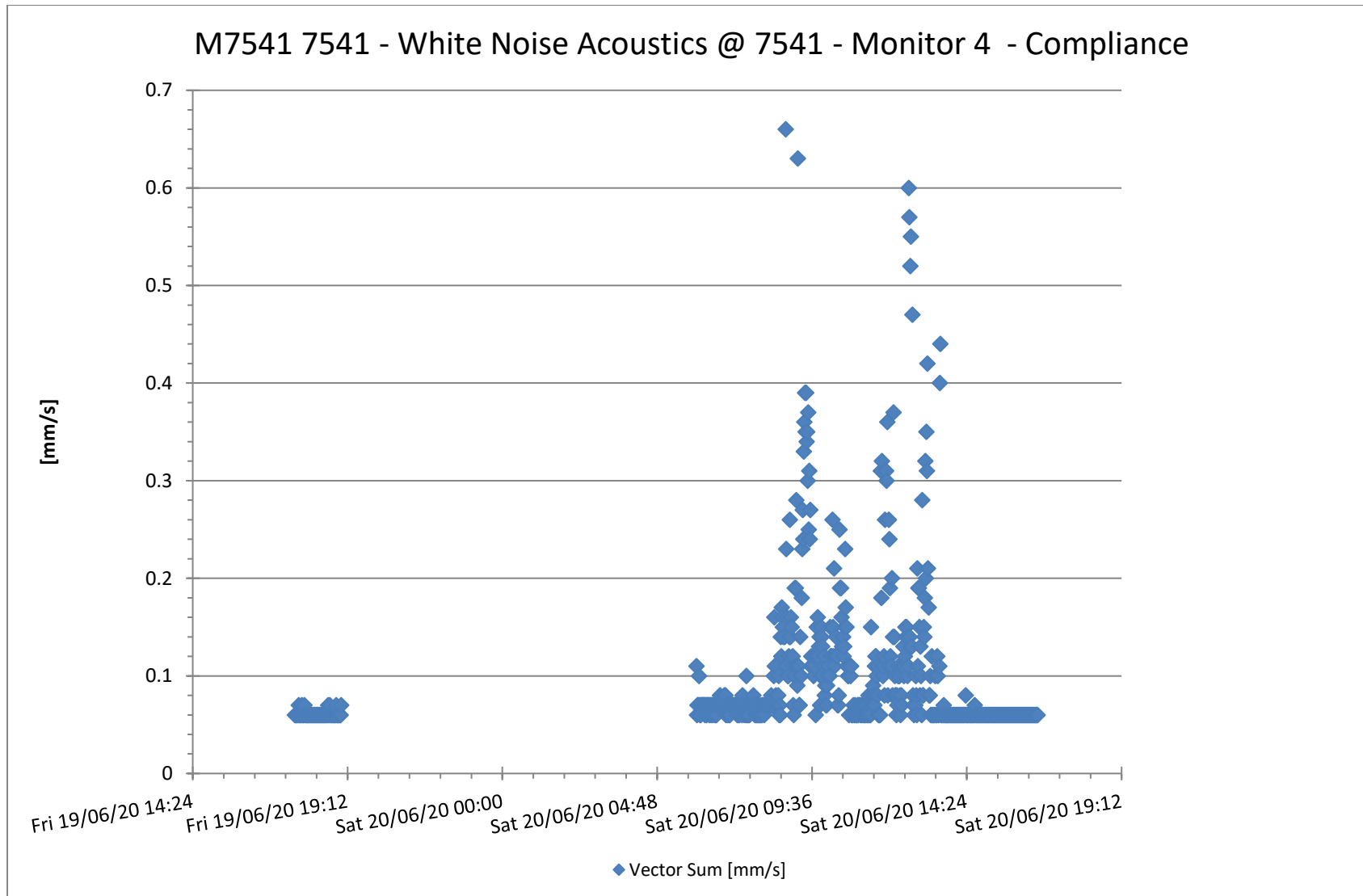
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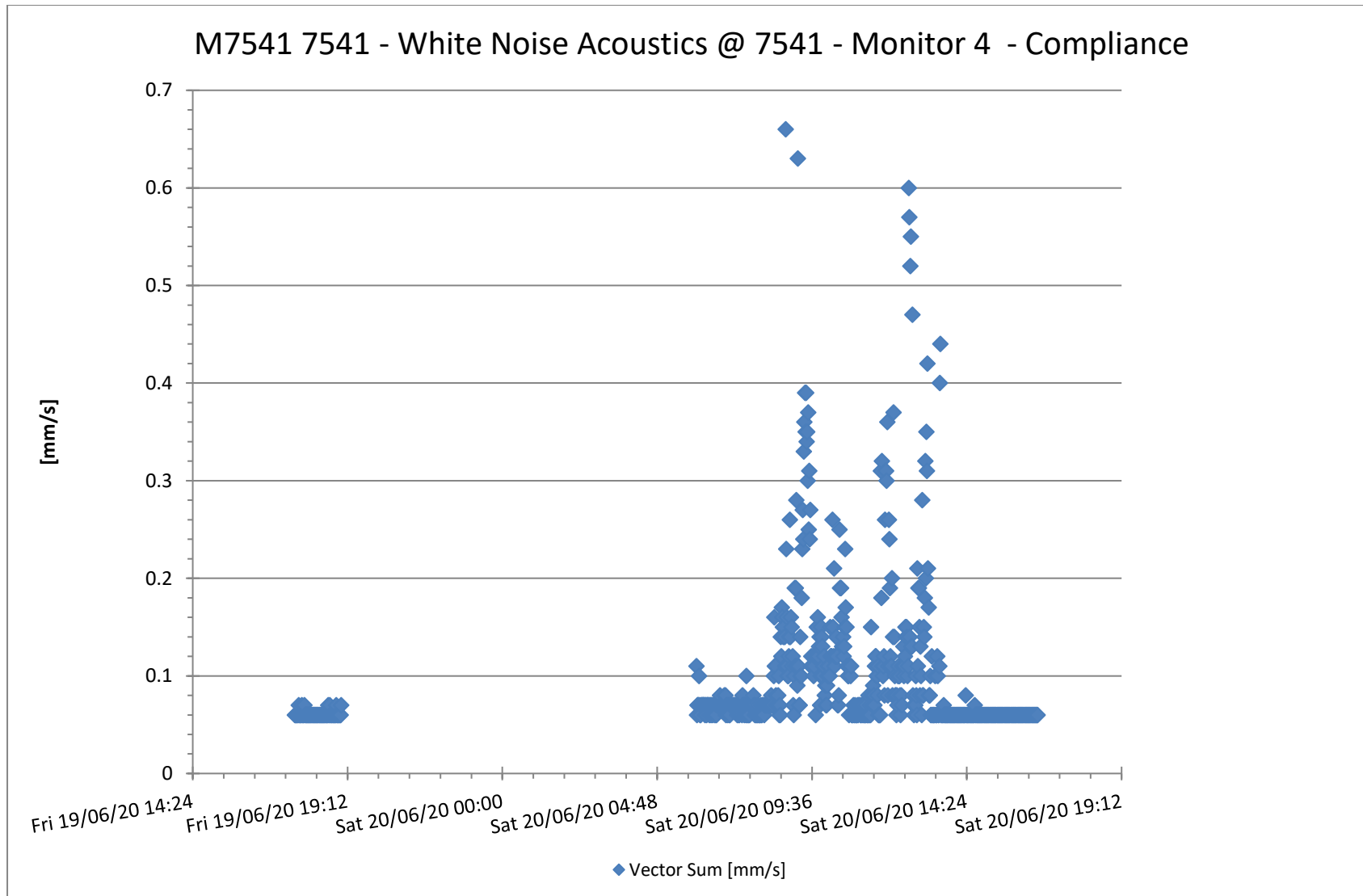
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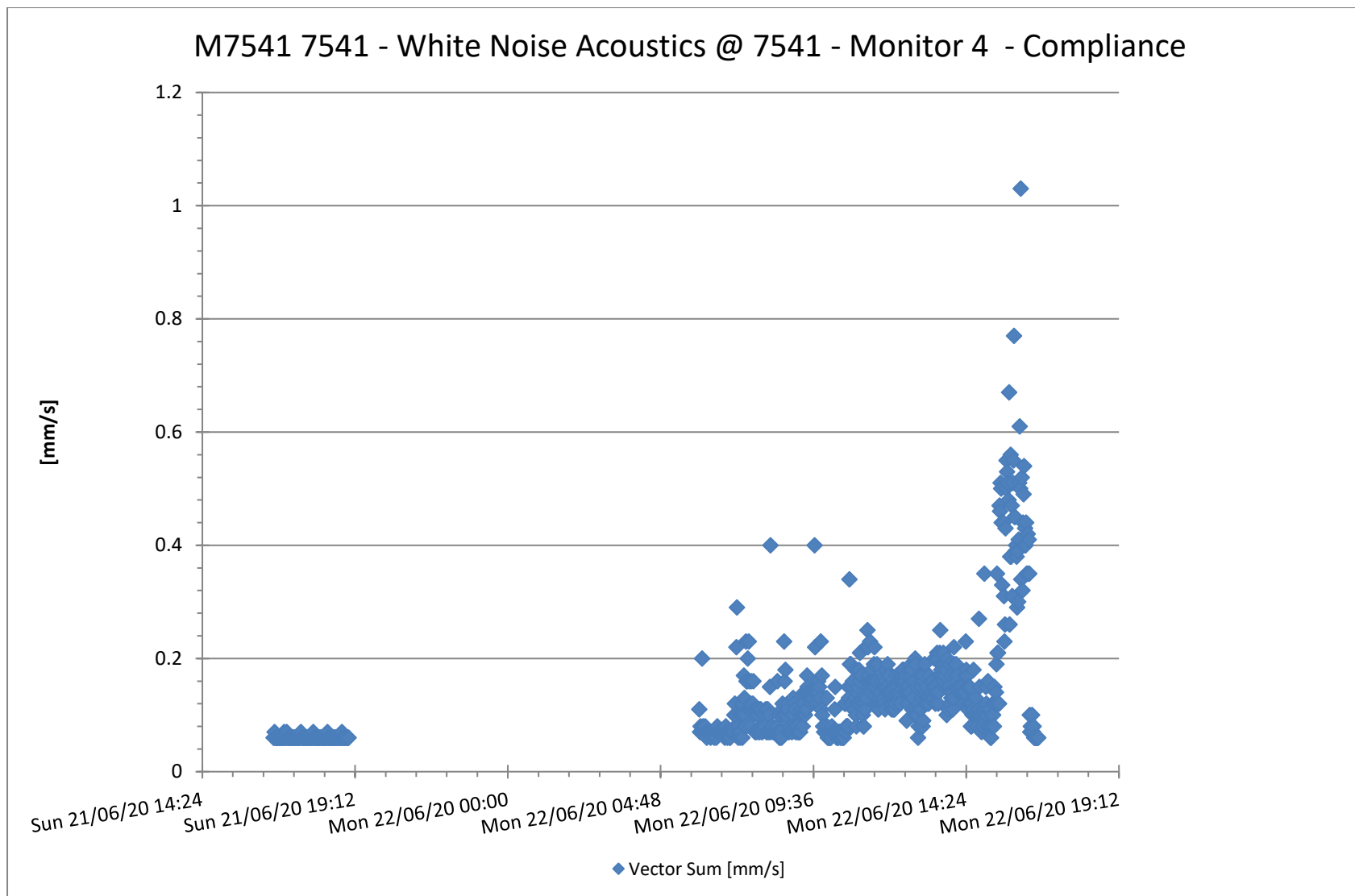
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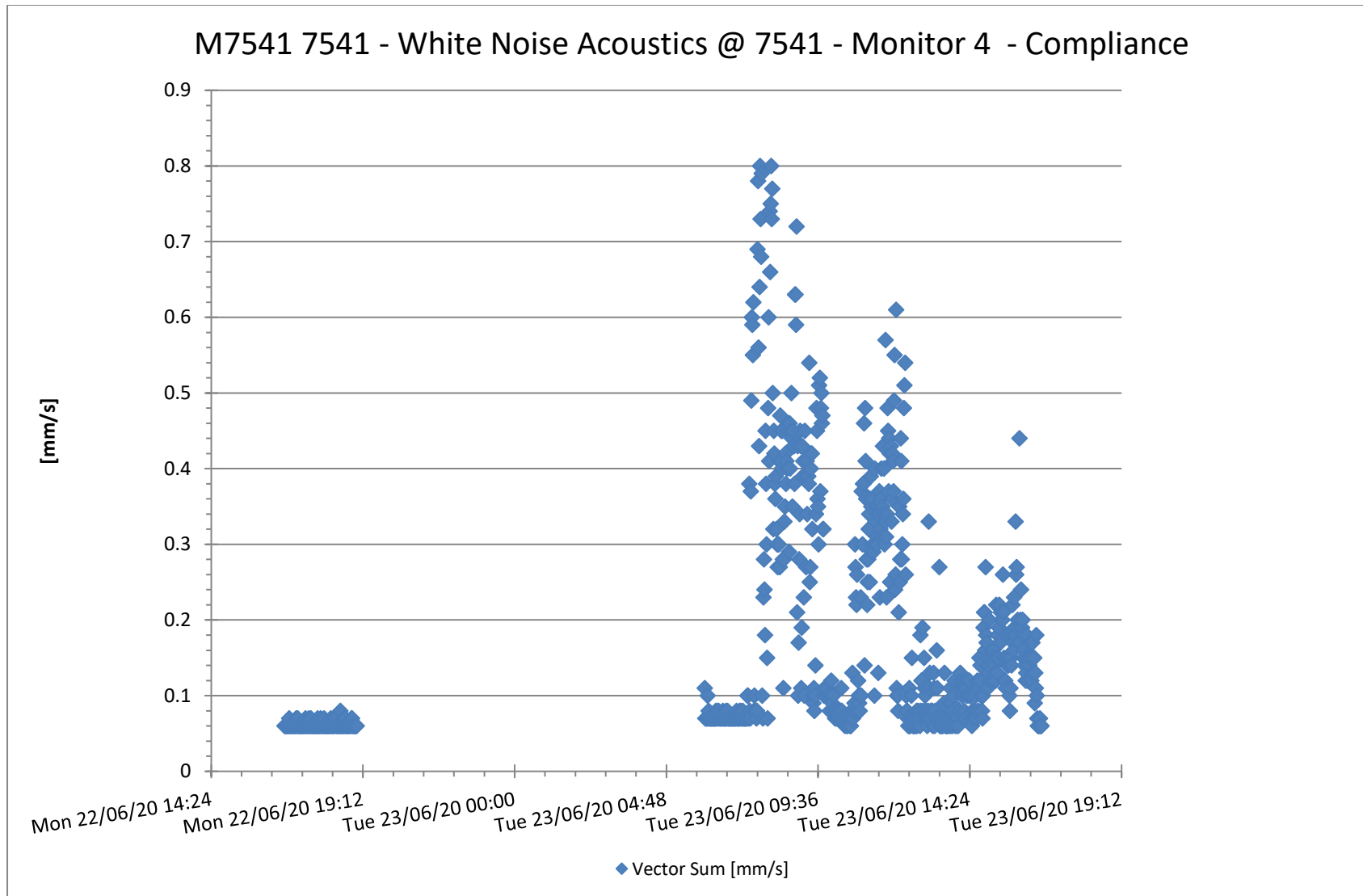


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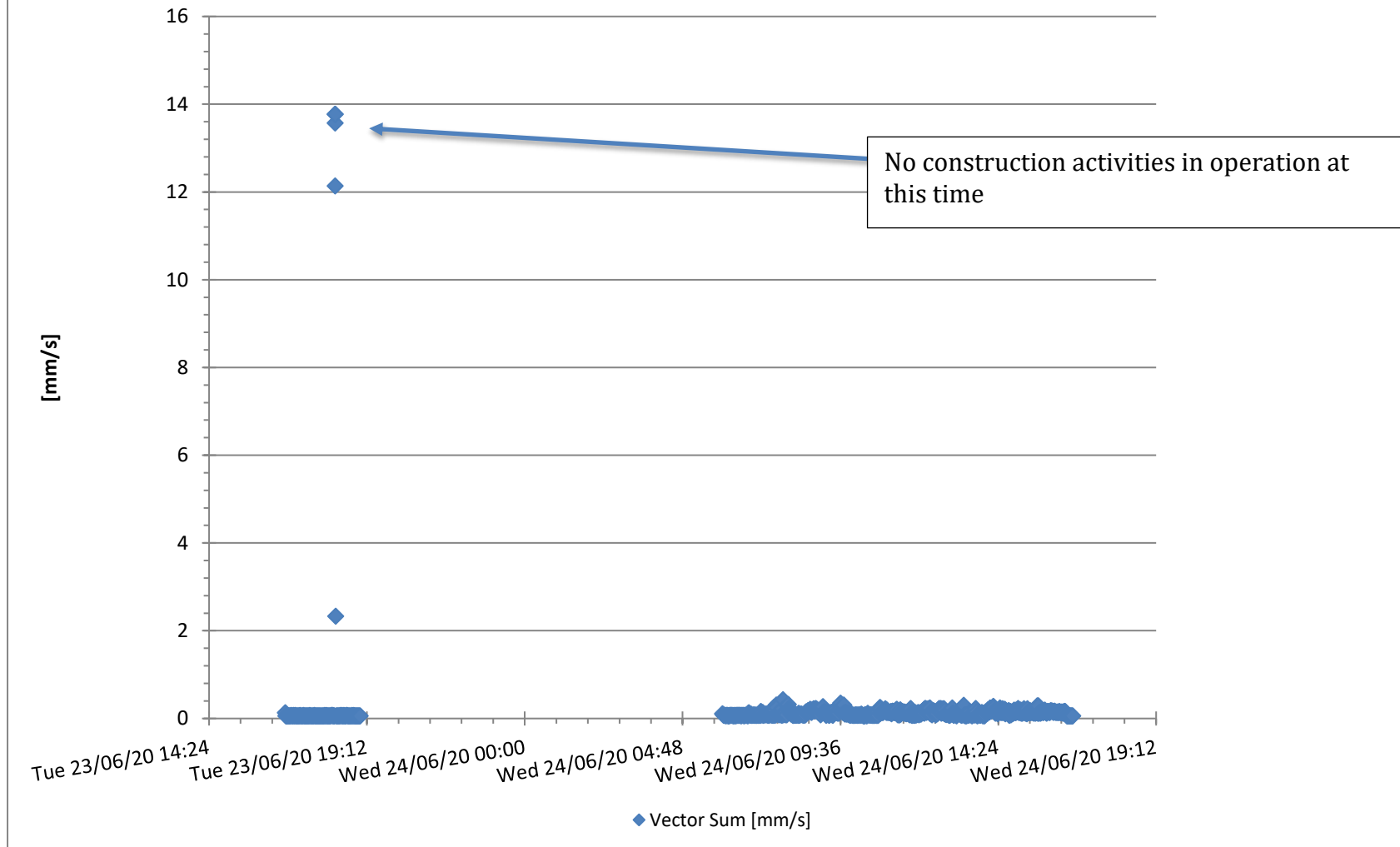




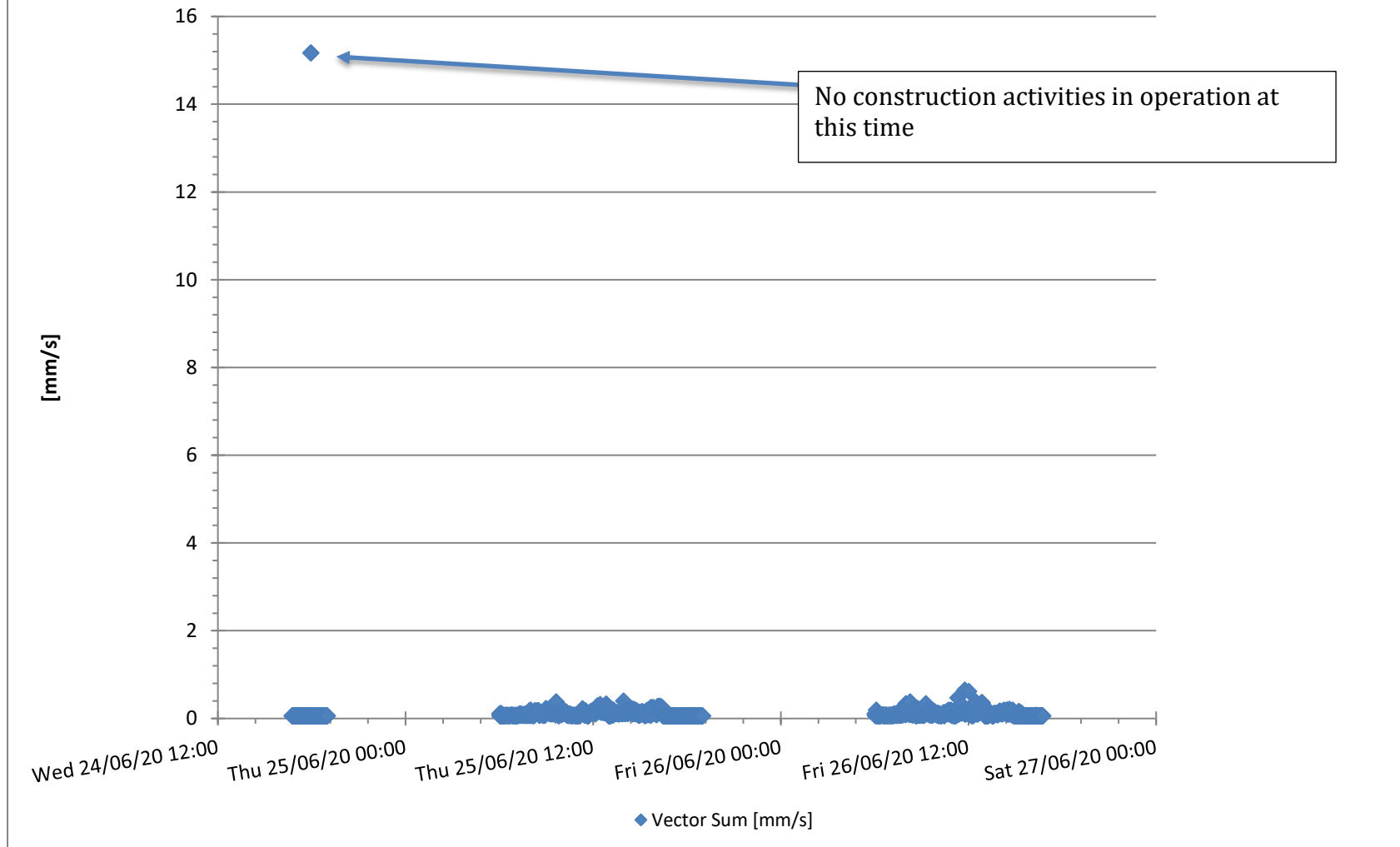
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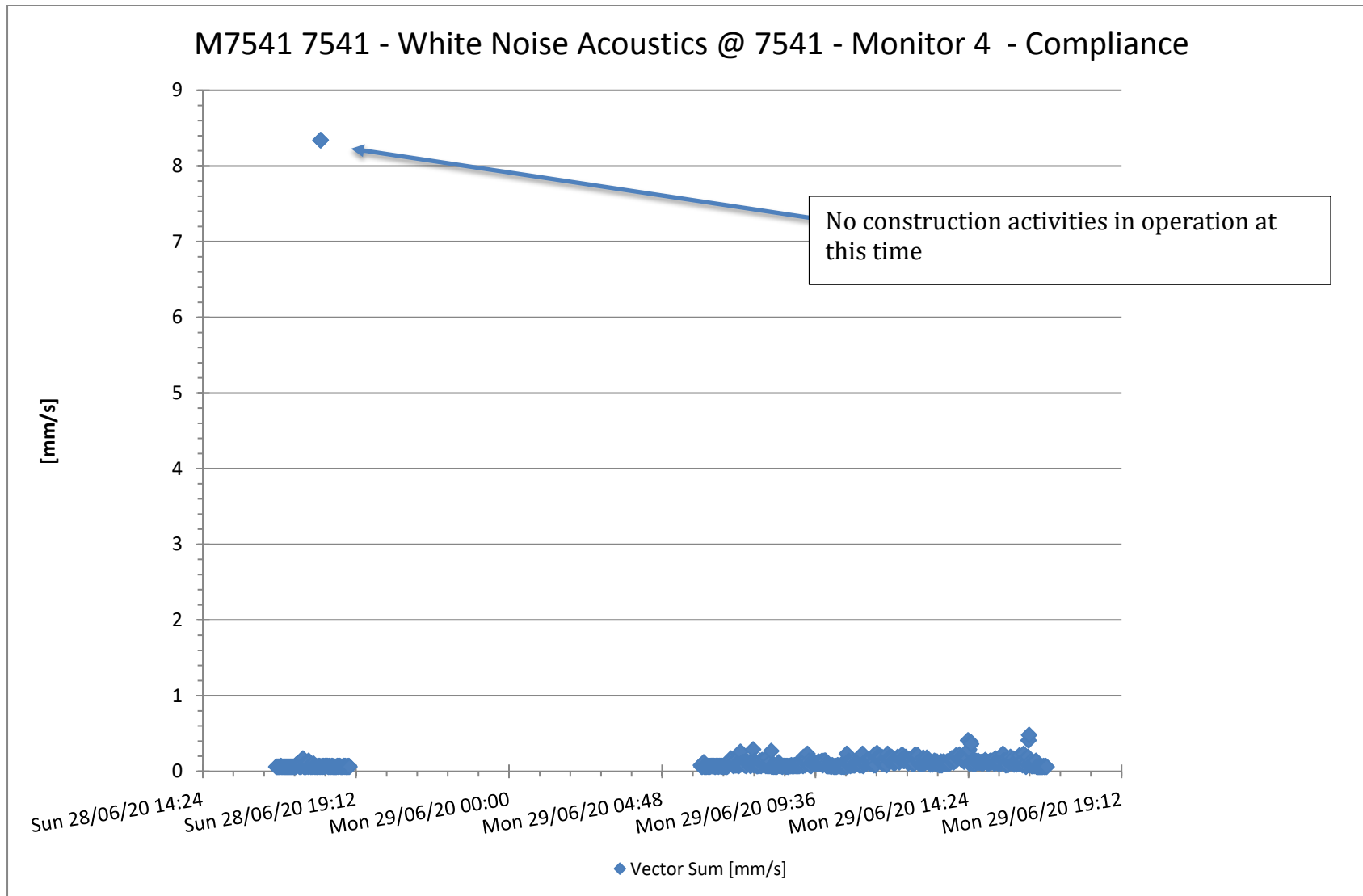
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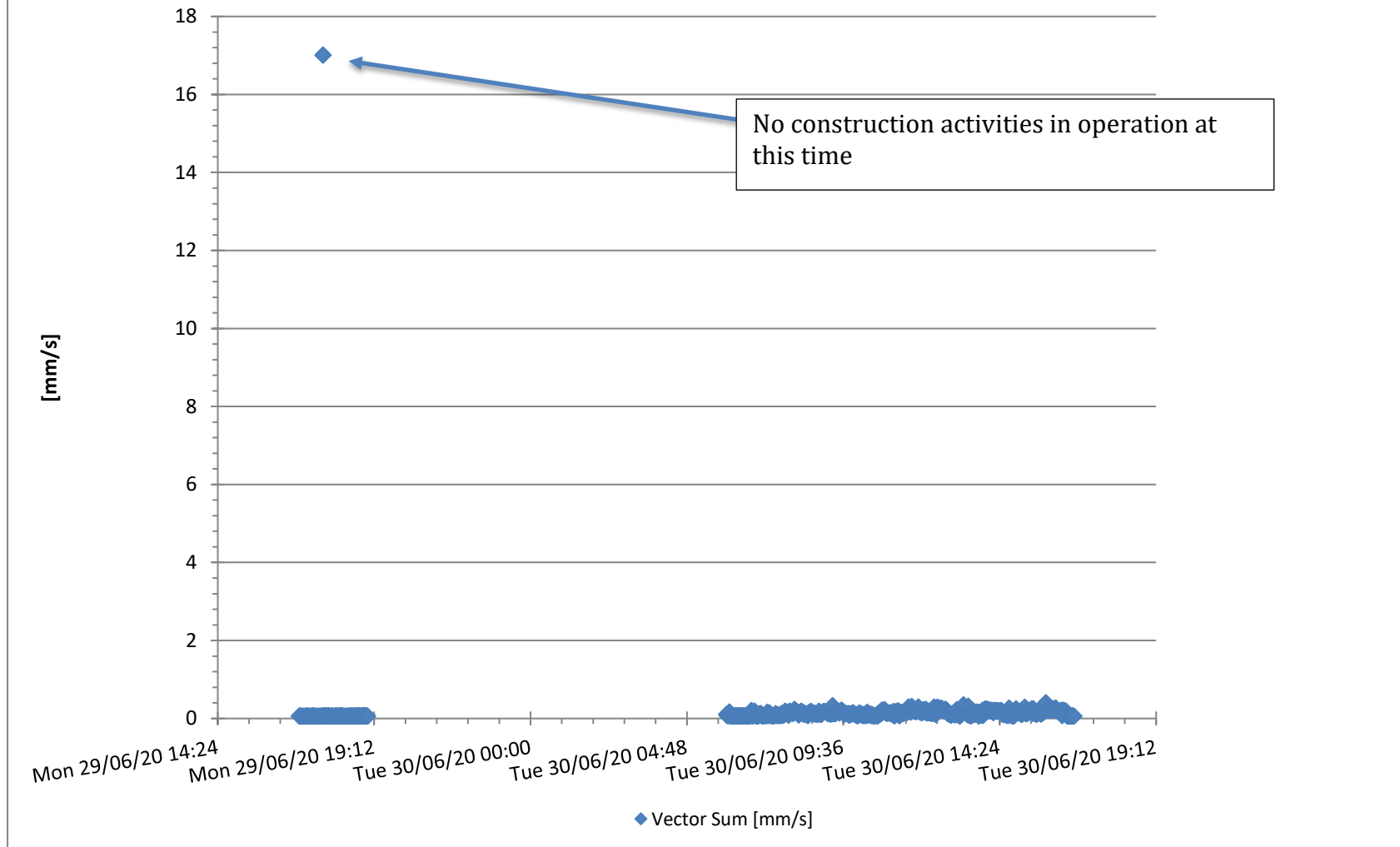
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



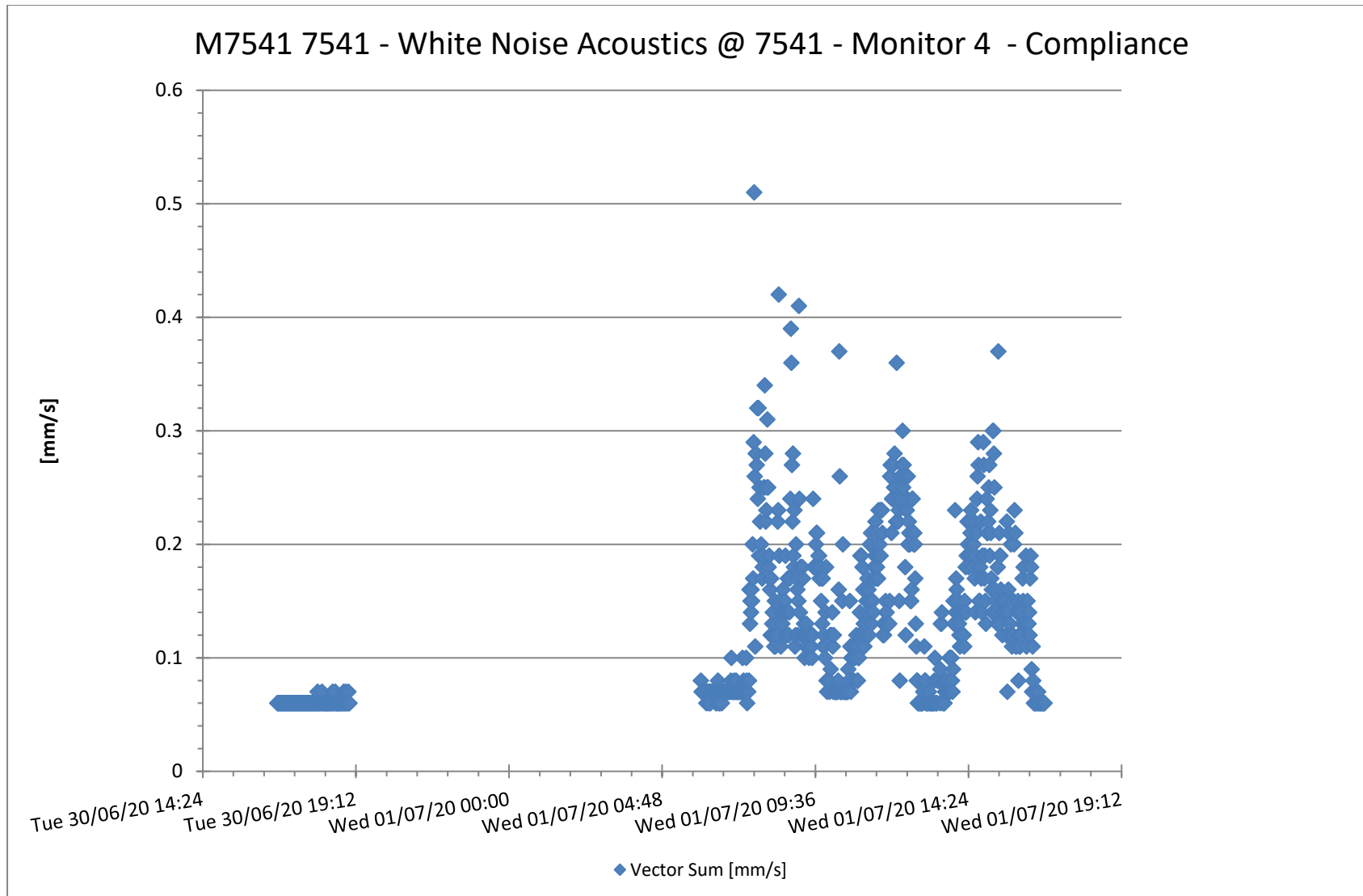
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



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

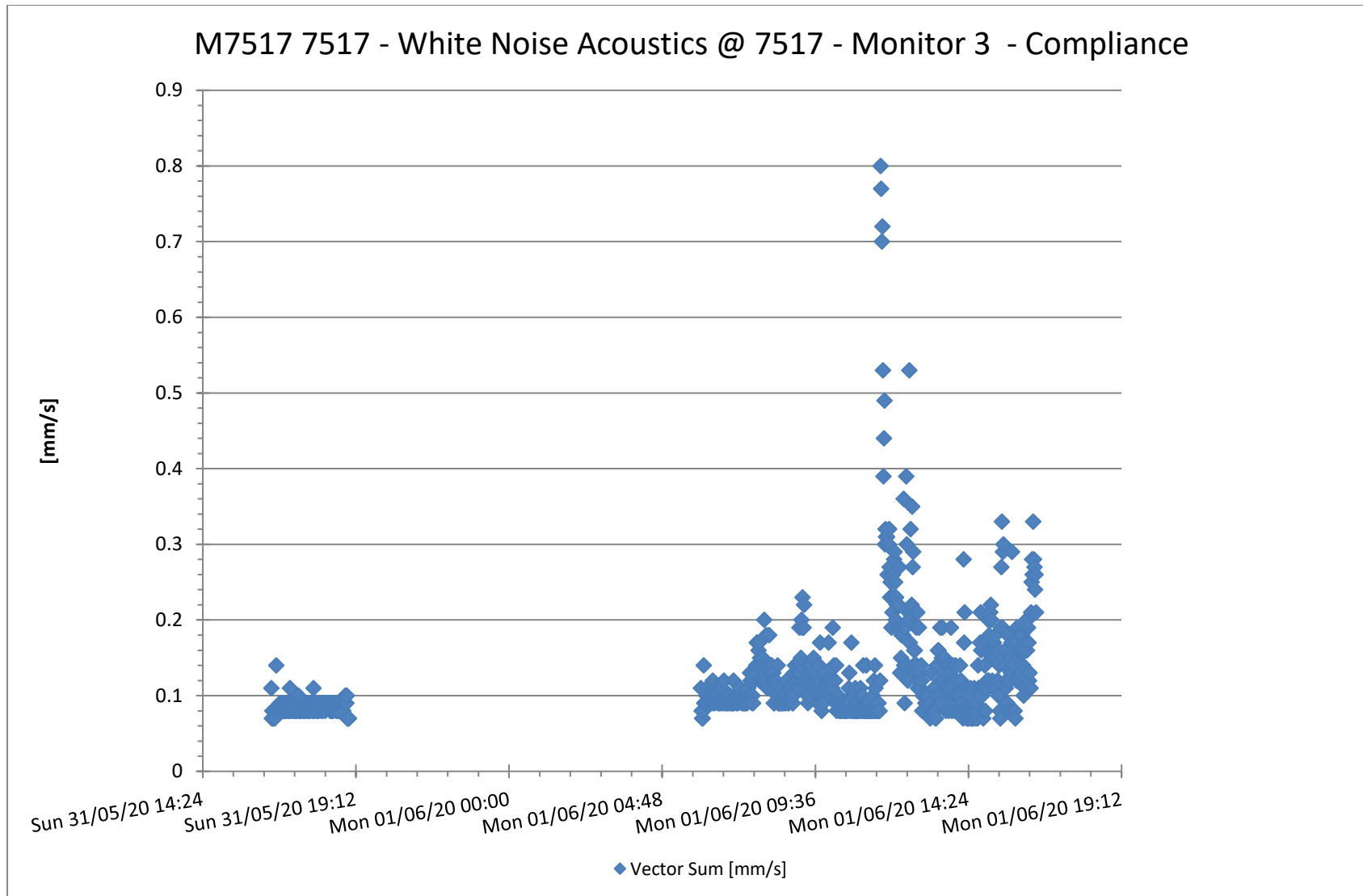


### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



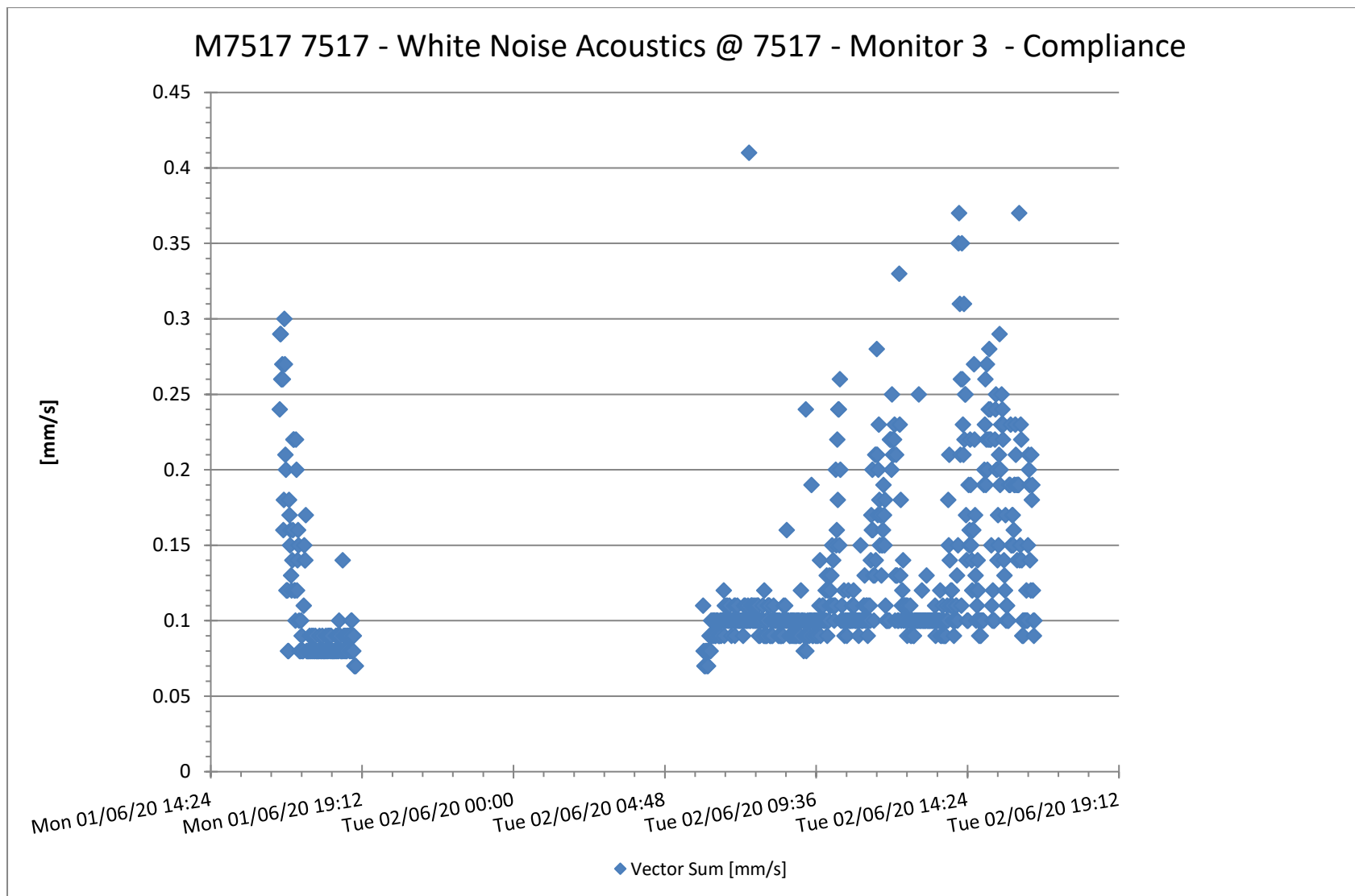
## **11 Appendix E –Logger Location 4 – Monitor M7517**

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

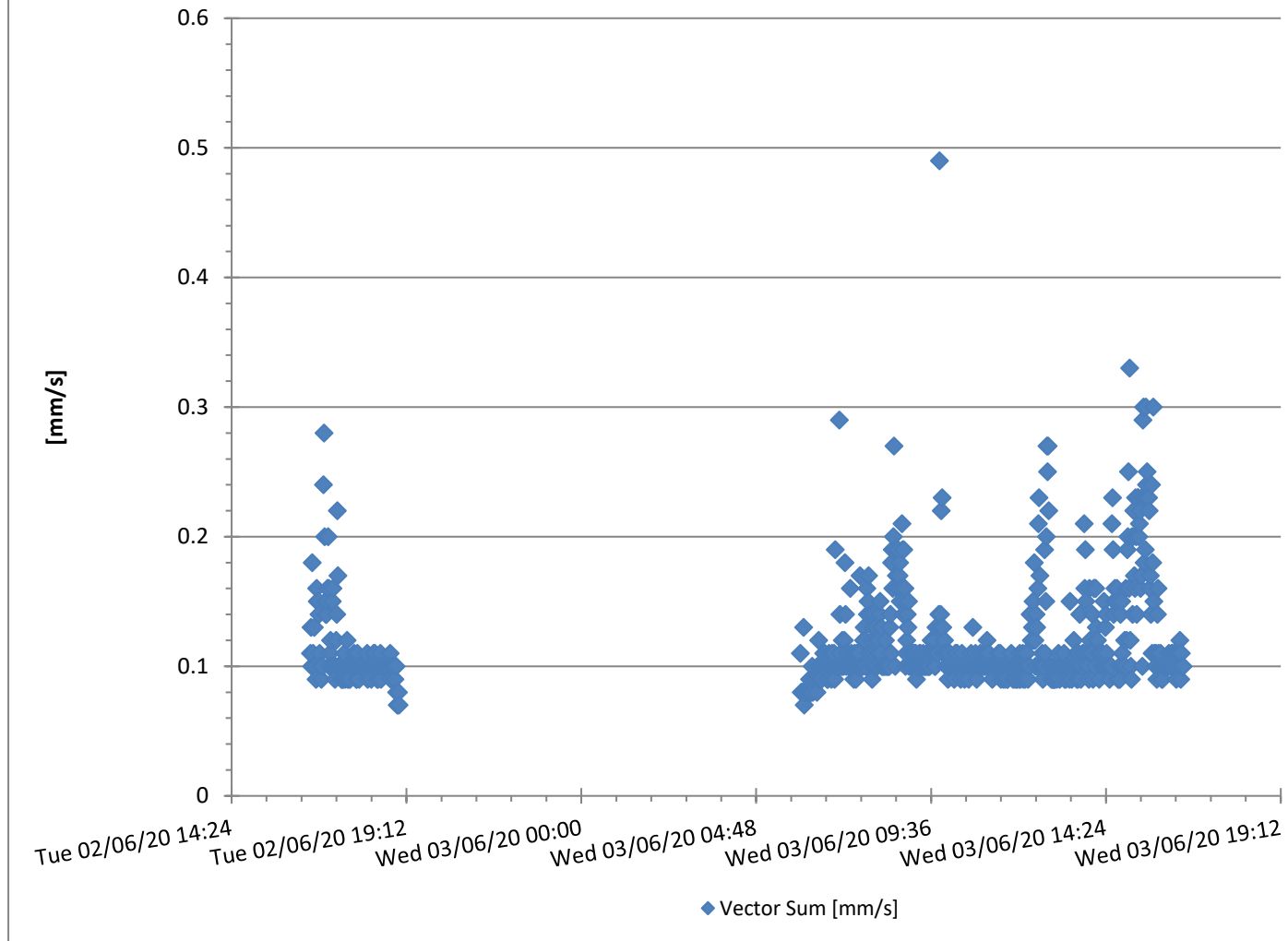




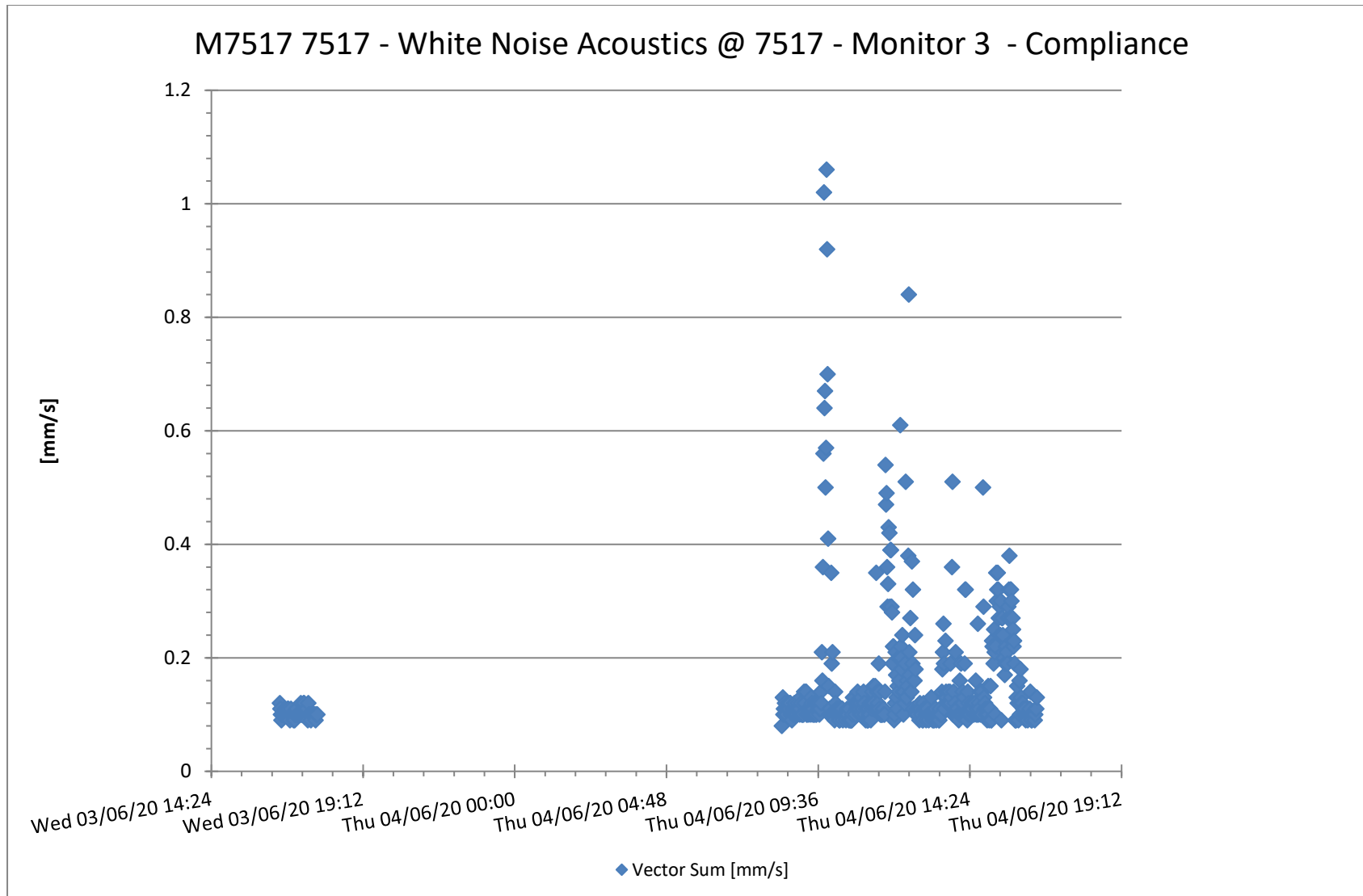
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



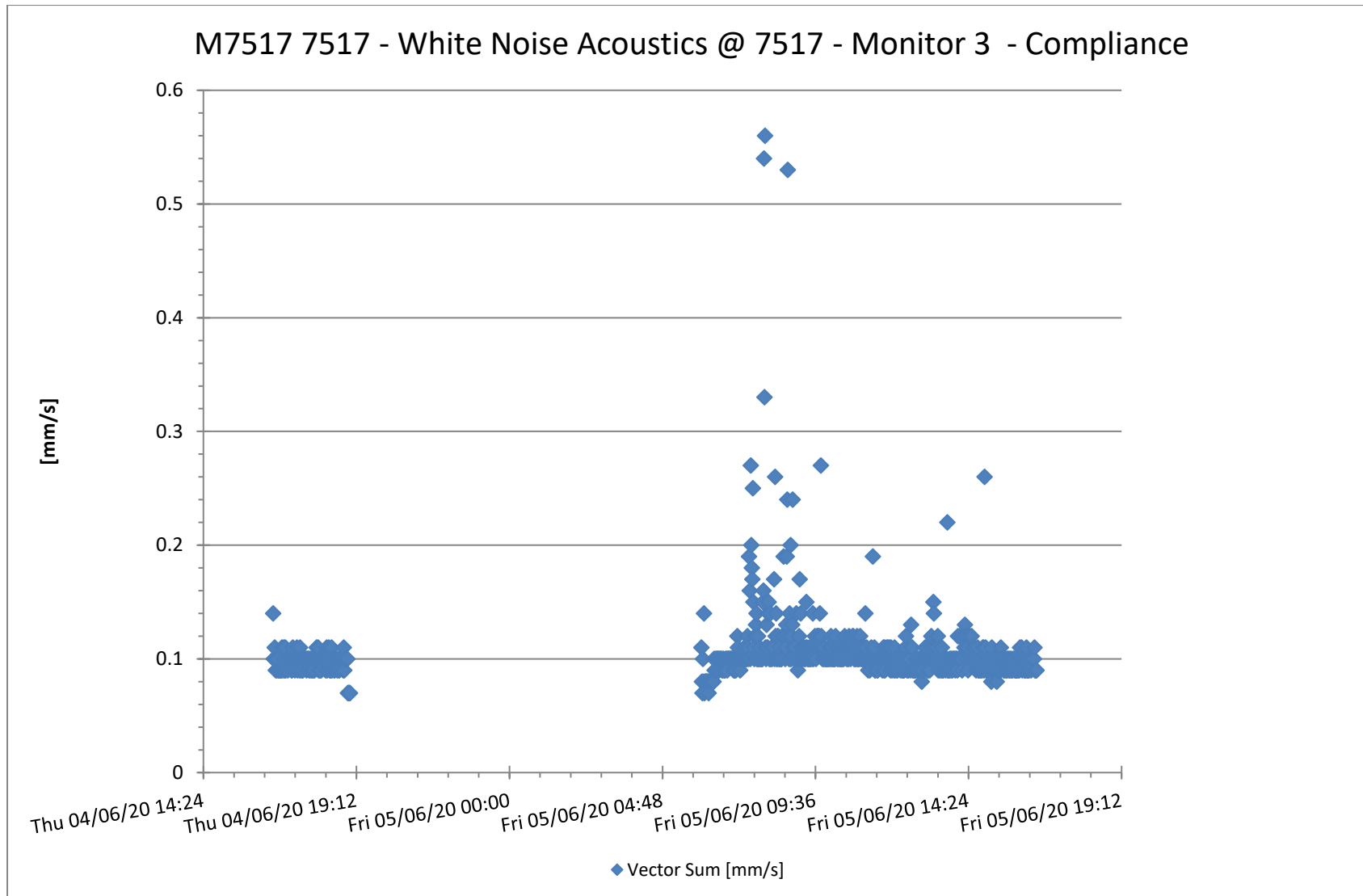
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



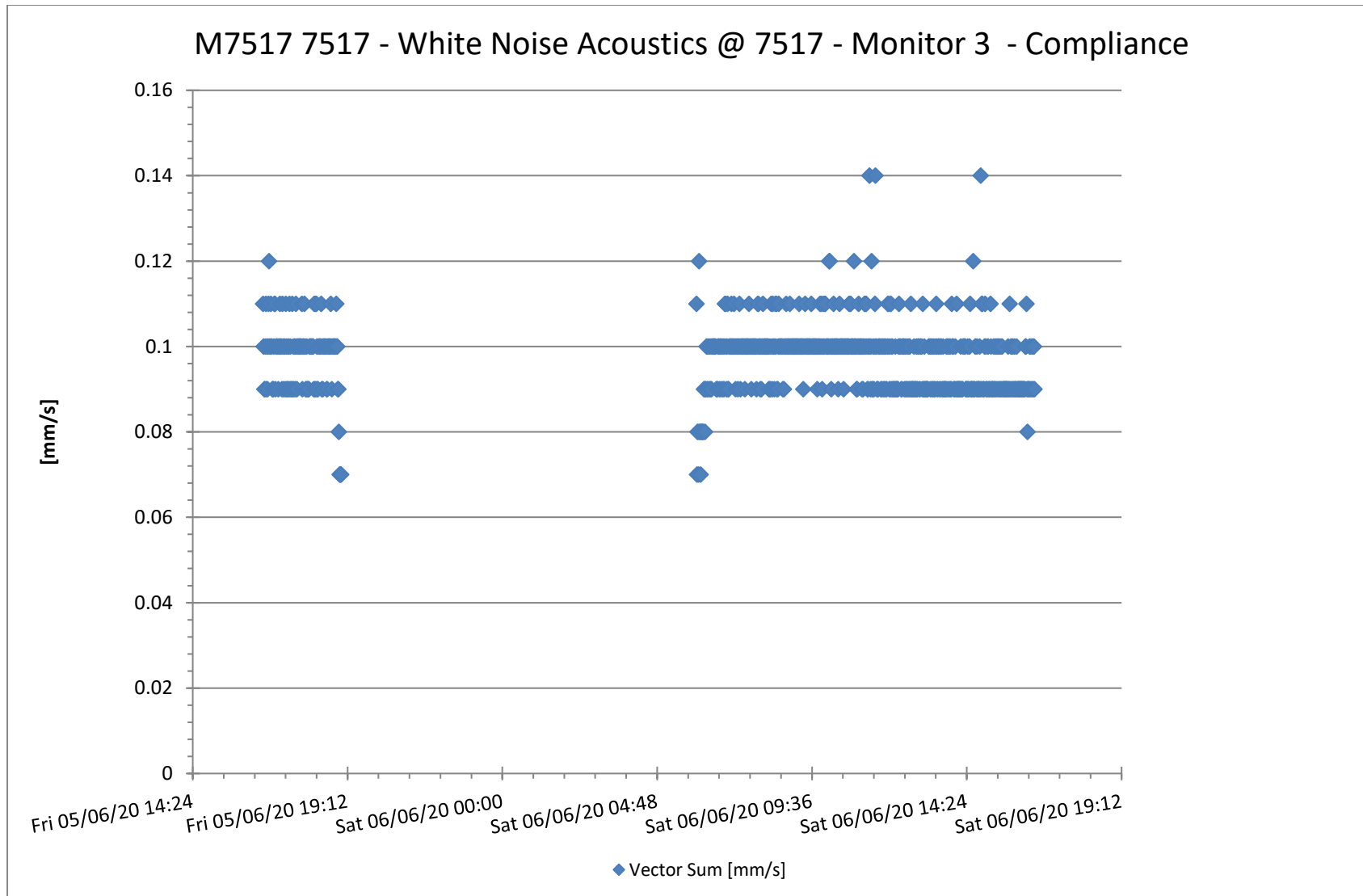
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



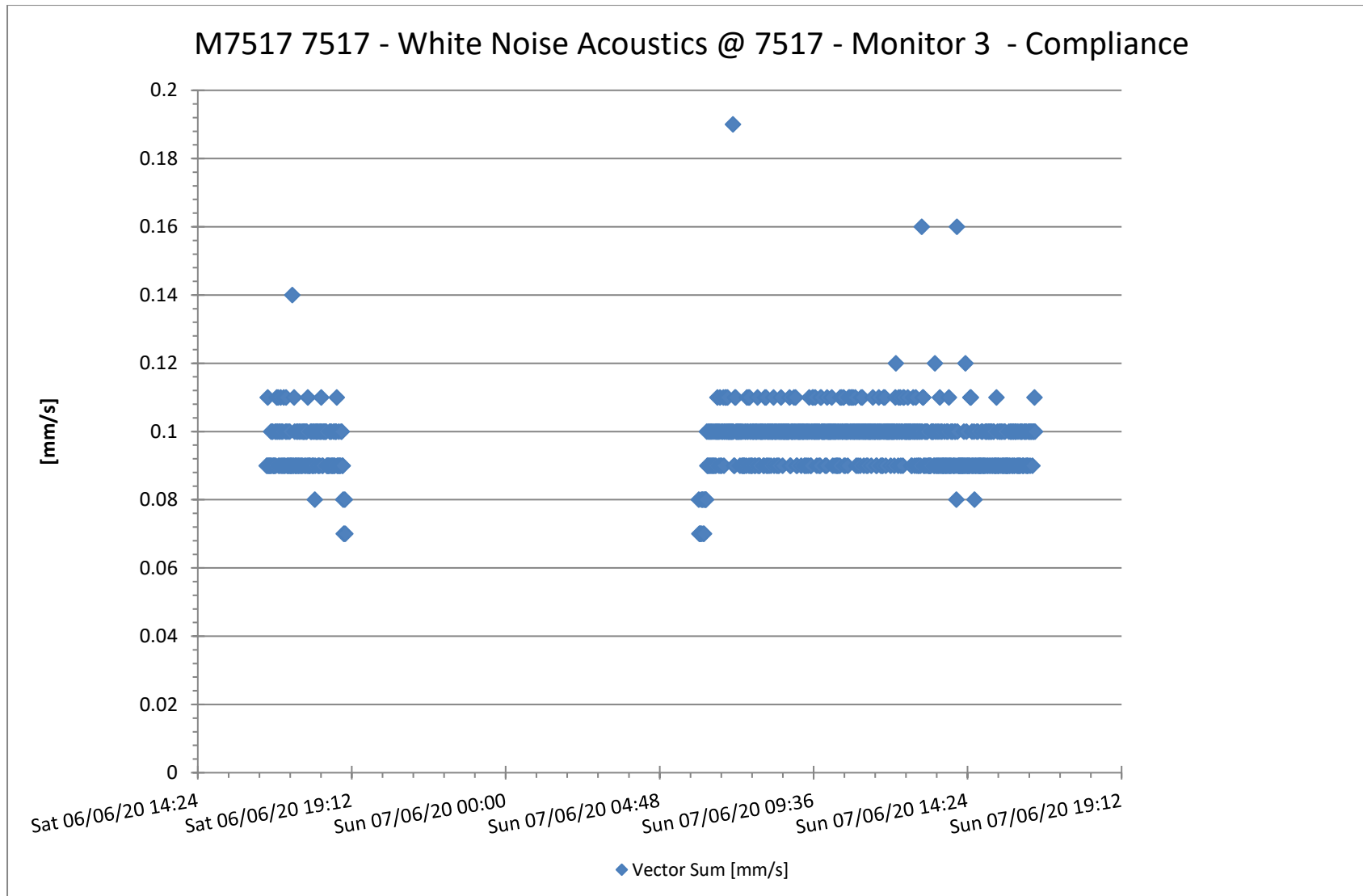
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

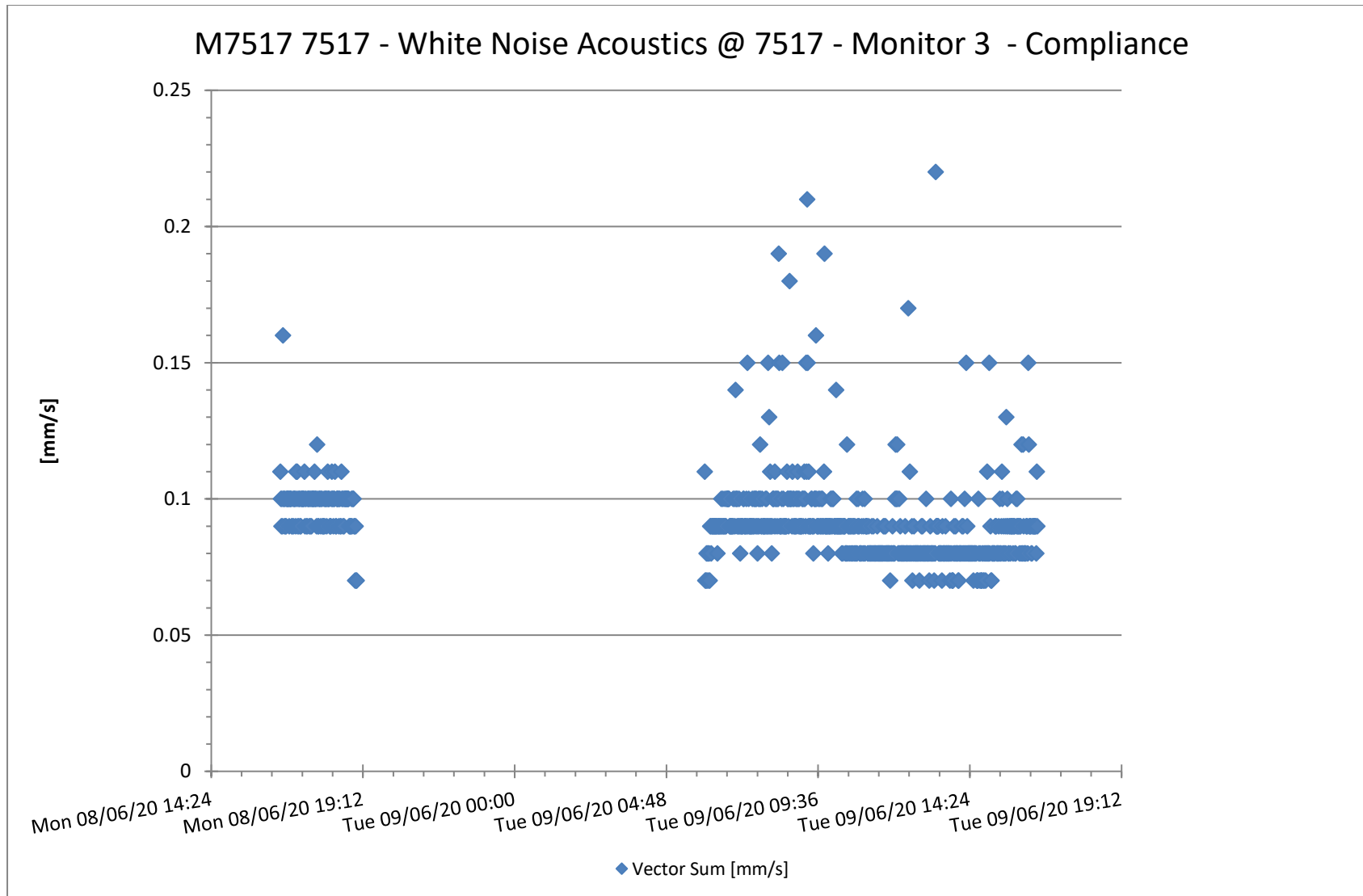


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



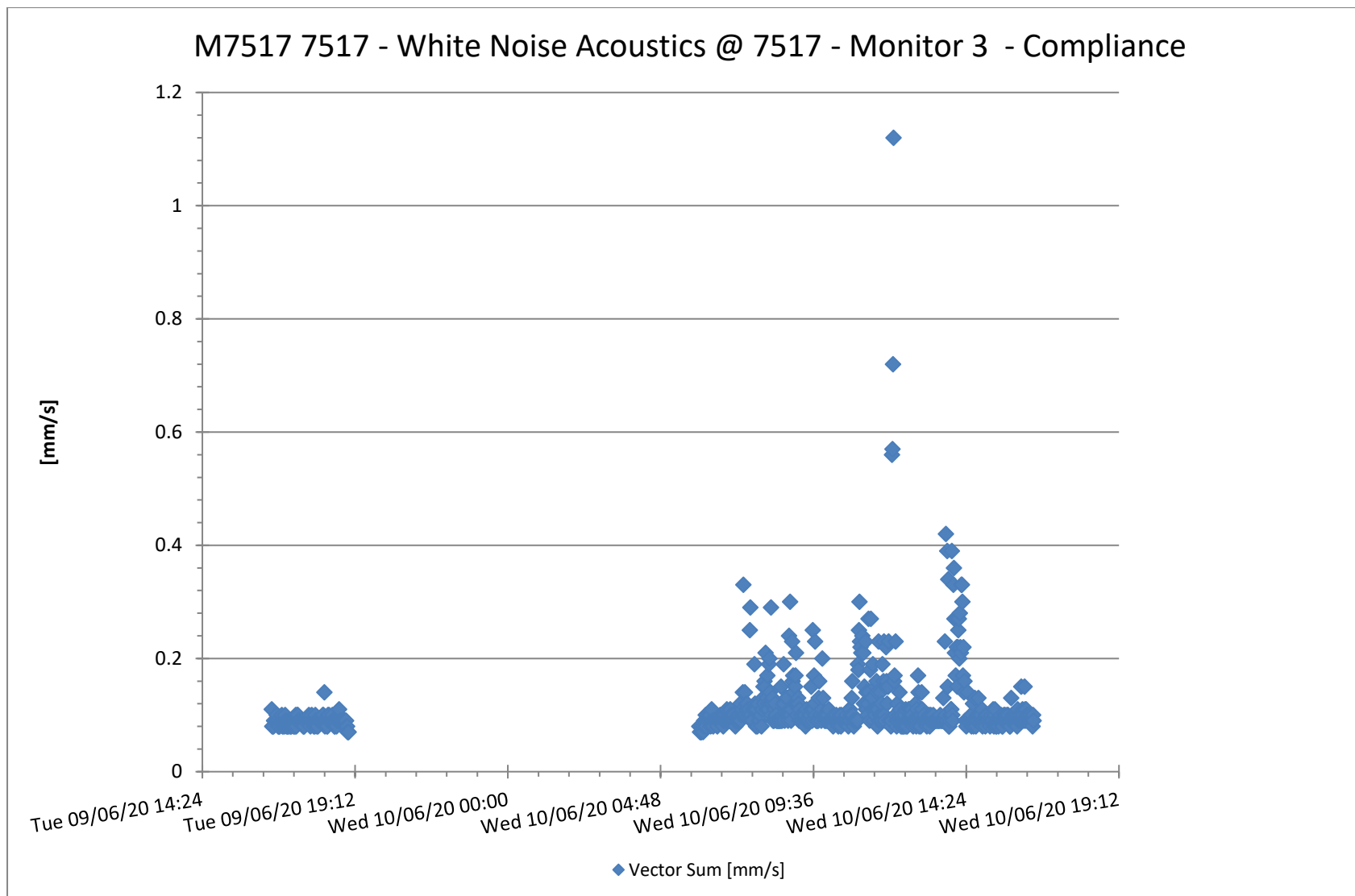


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

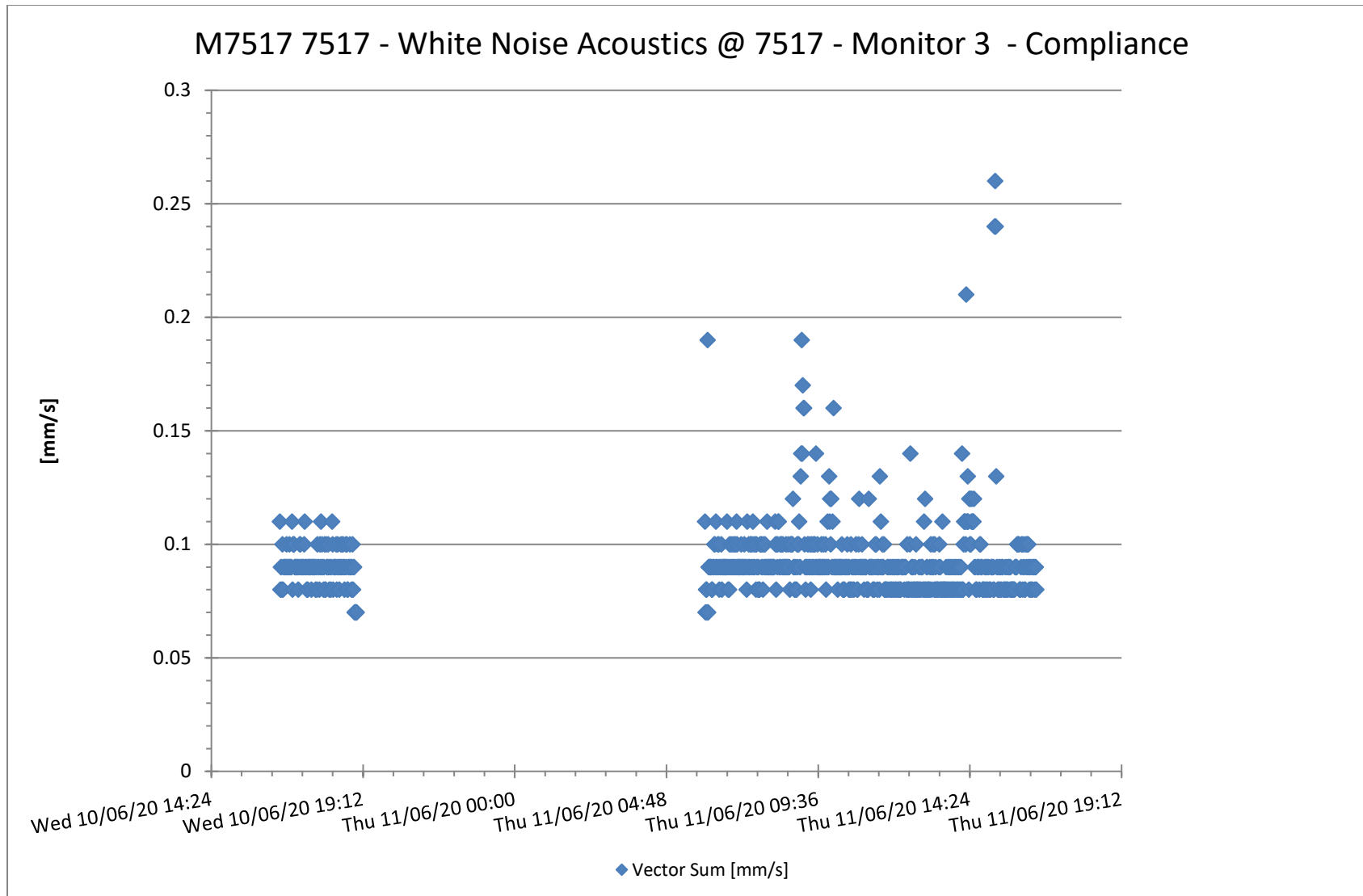




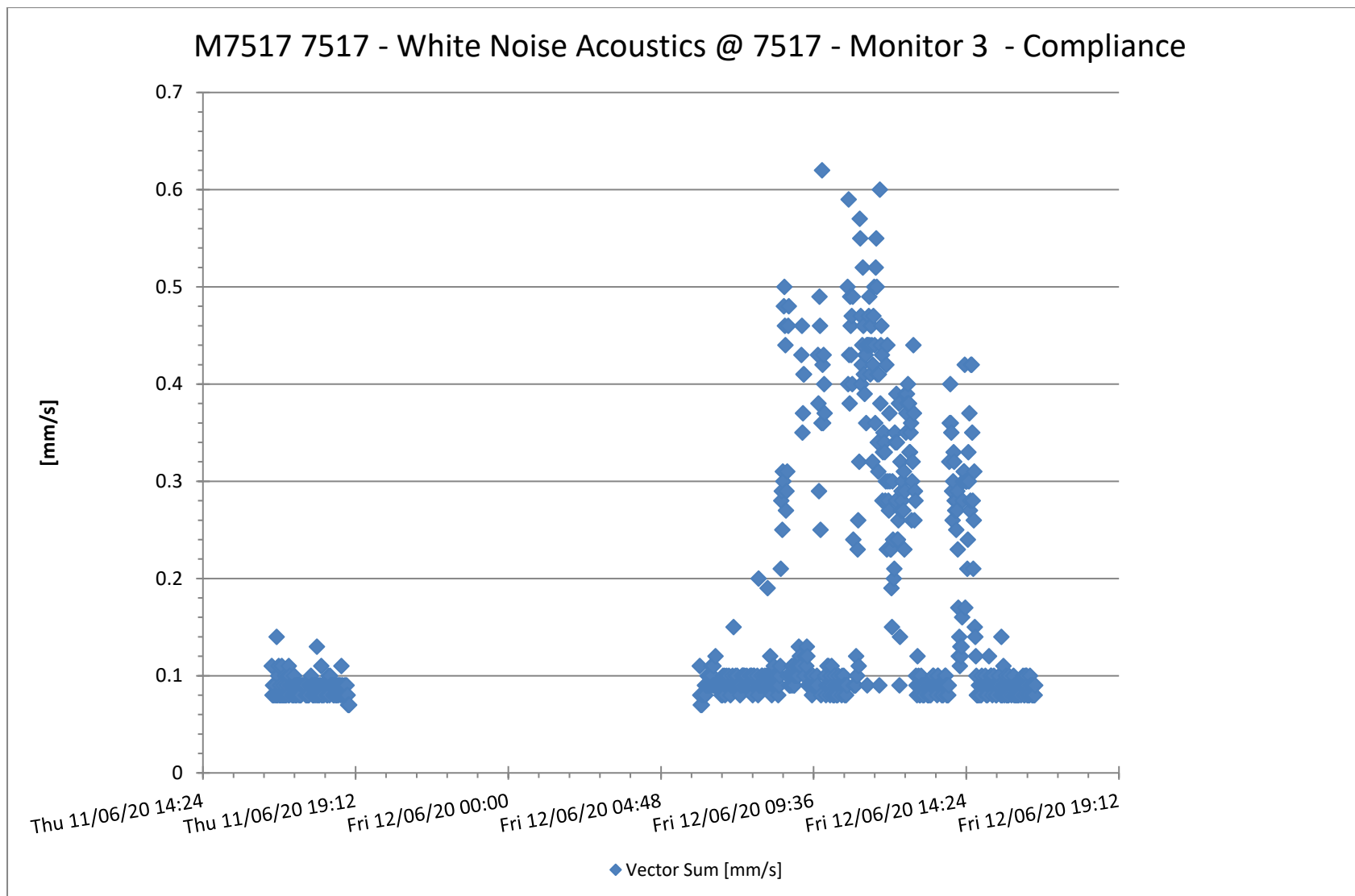
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



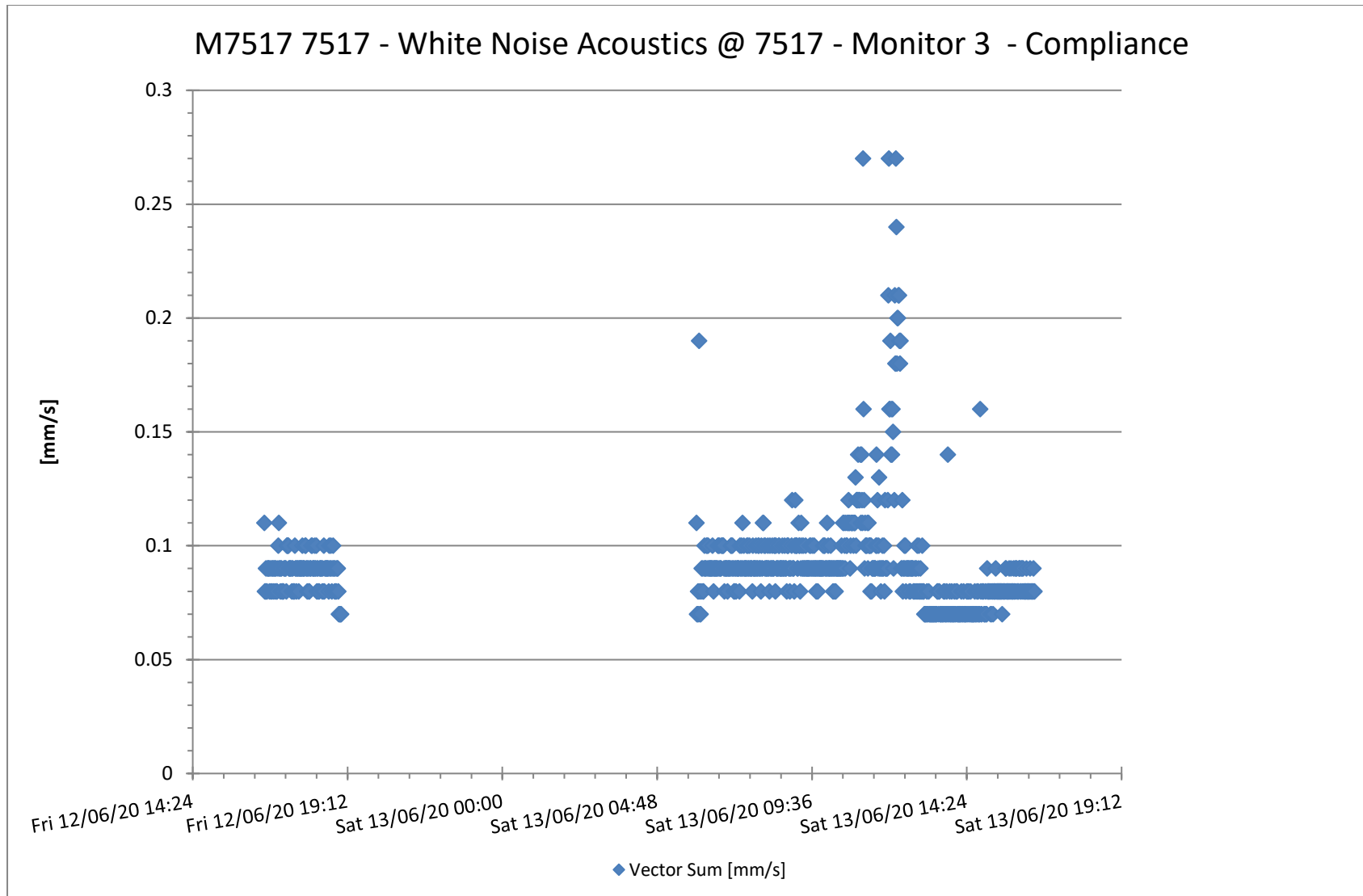
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

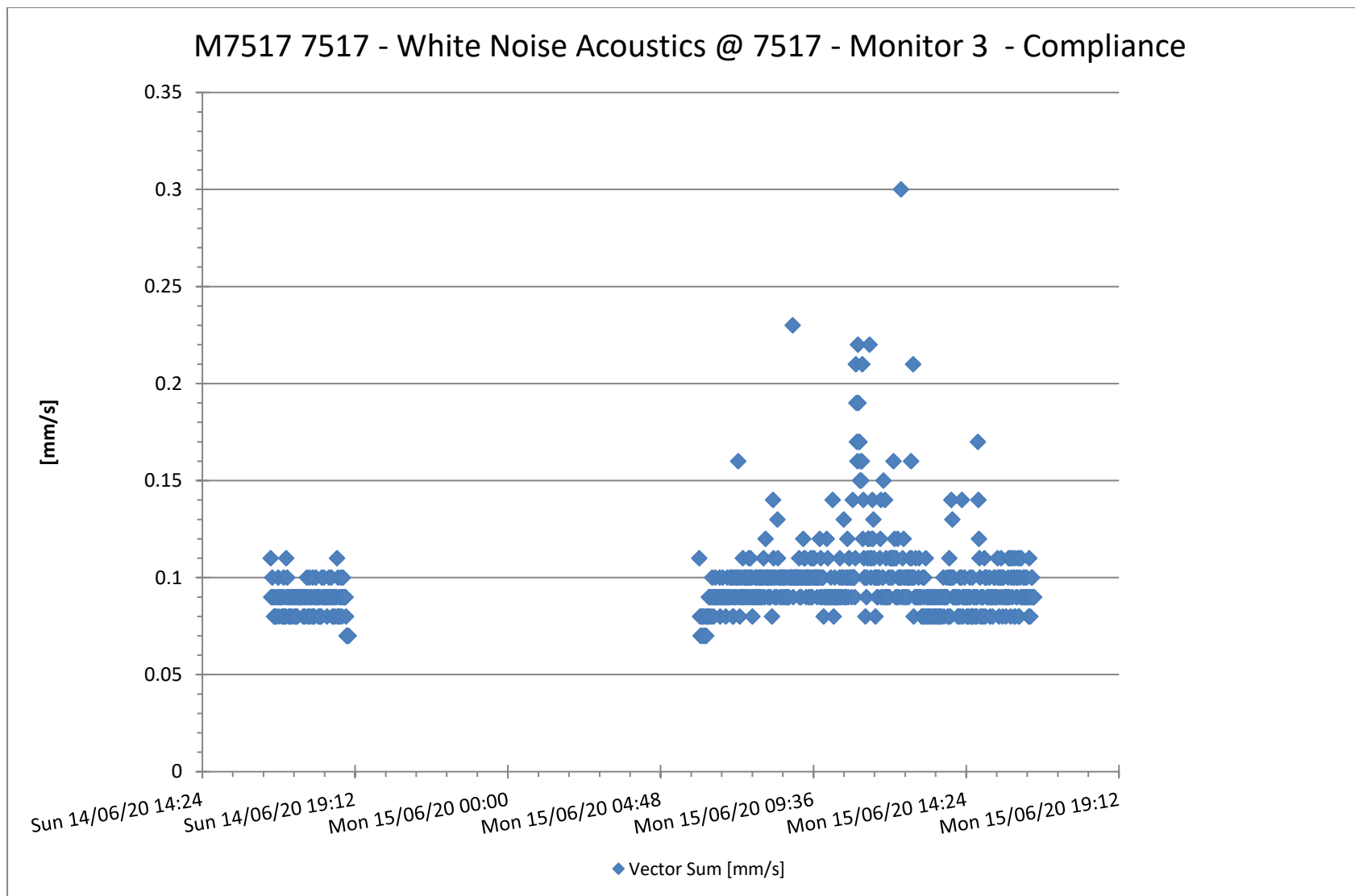


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

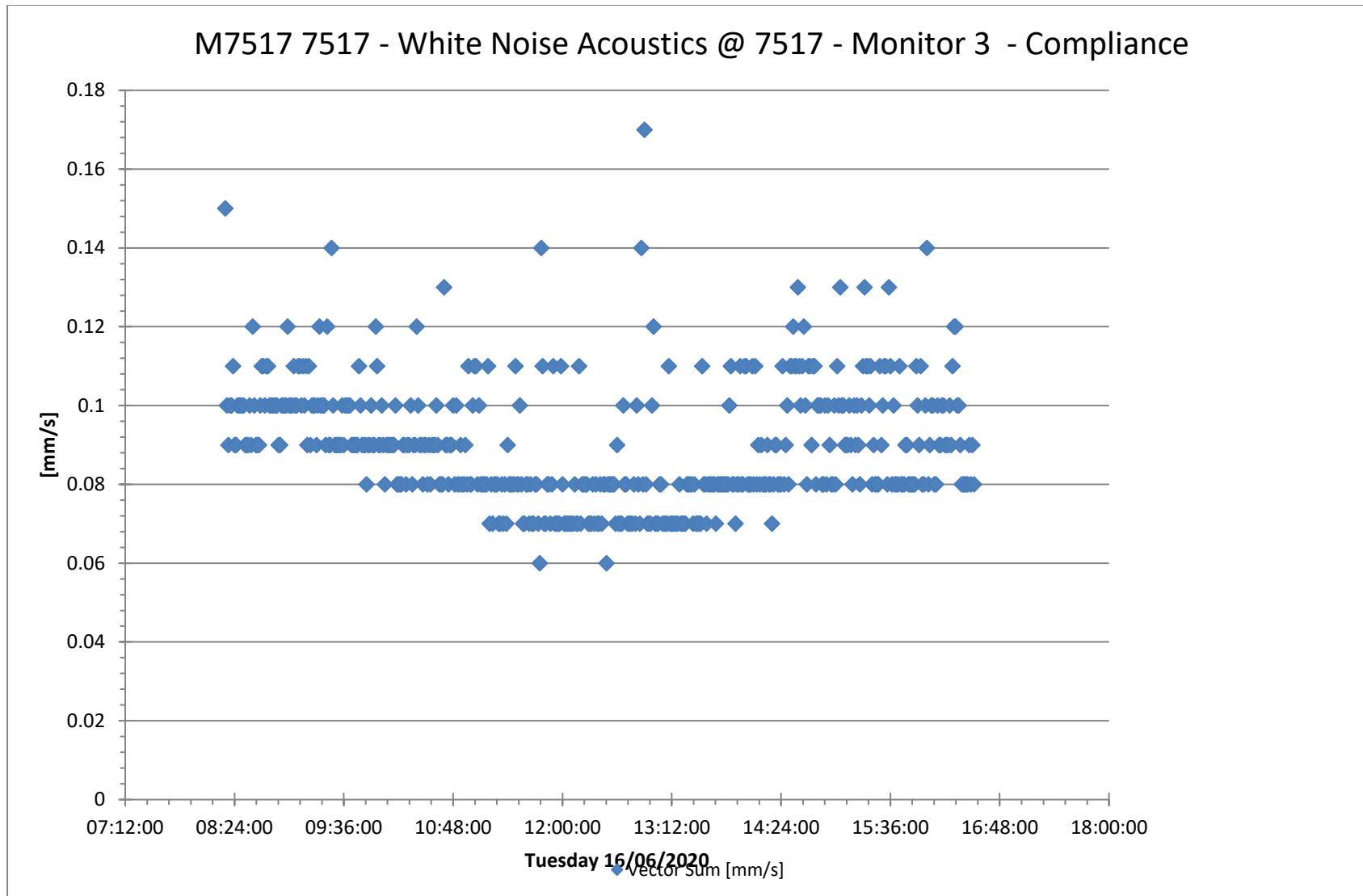




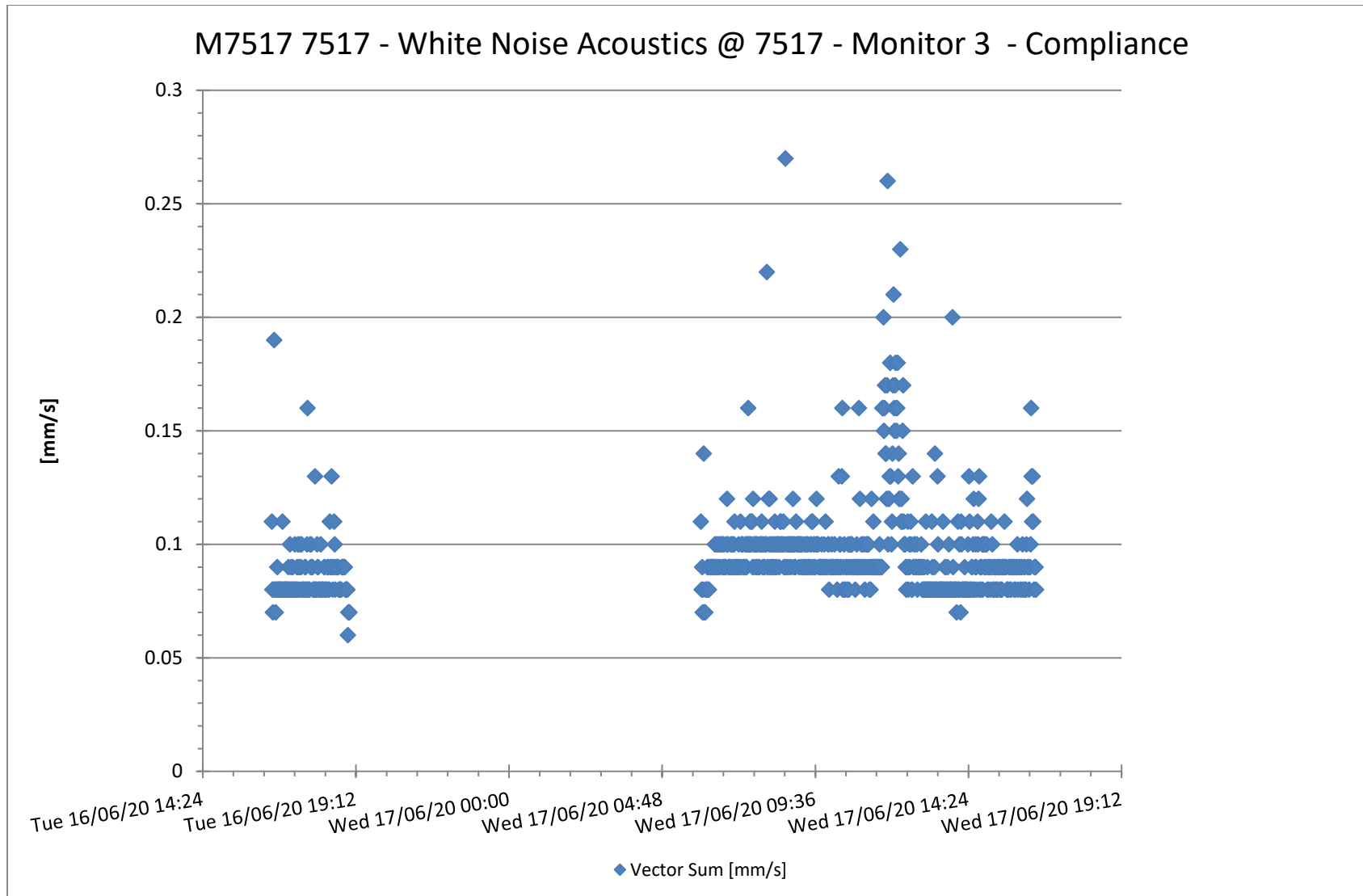
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

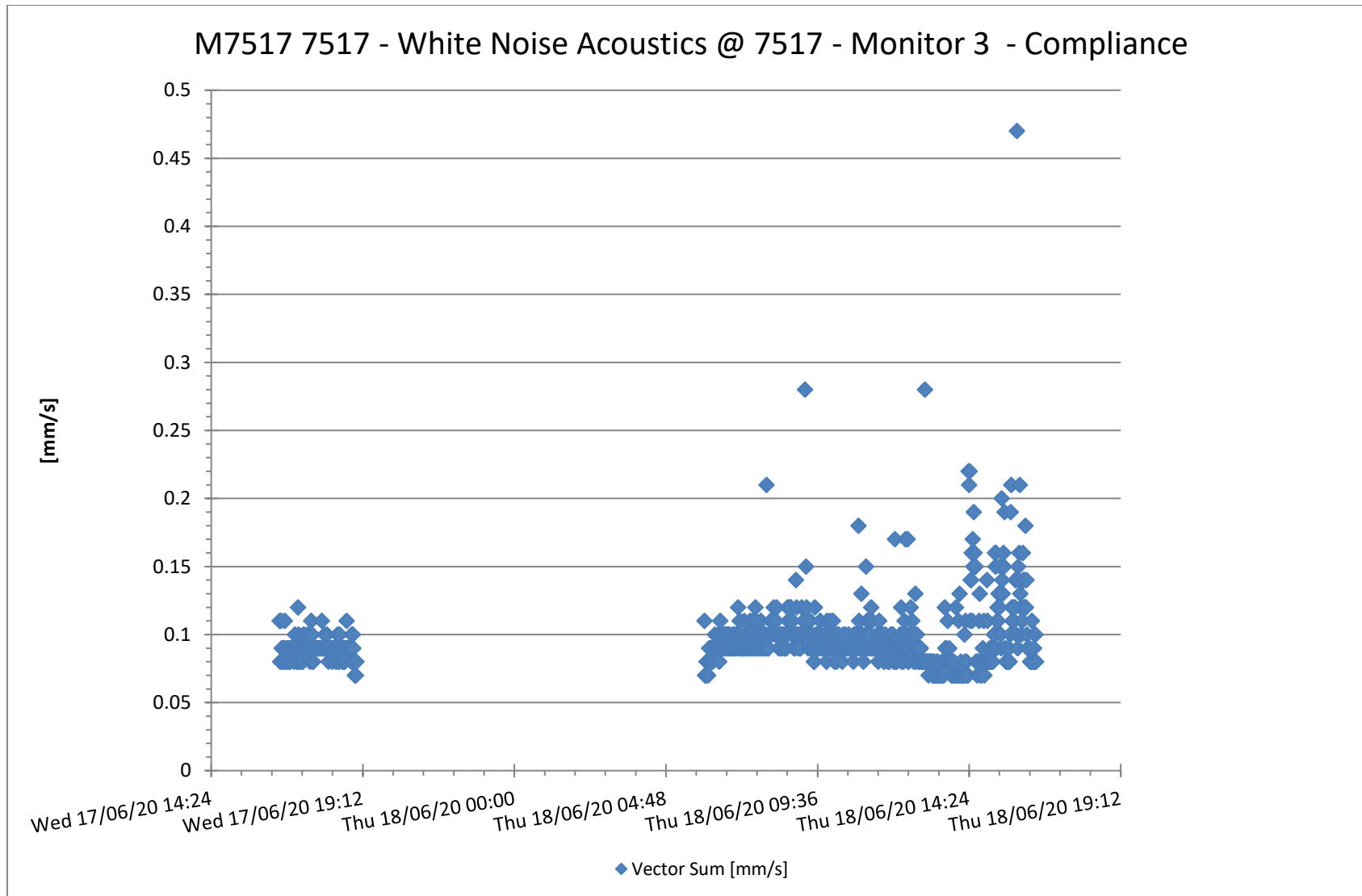


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

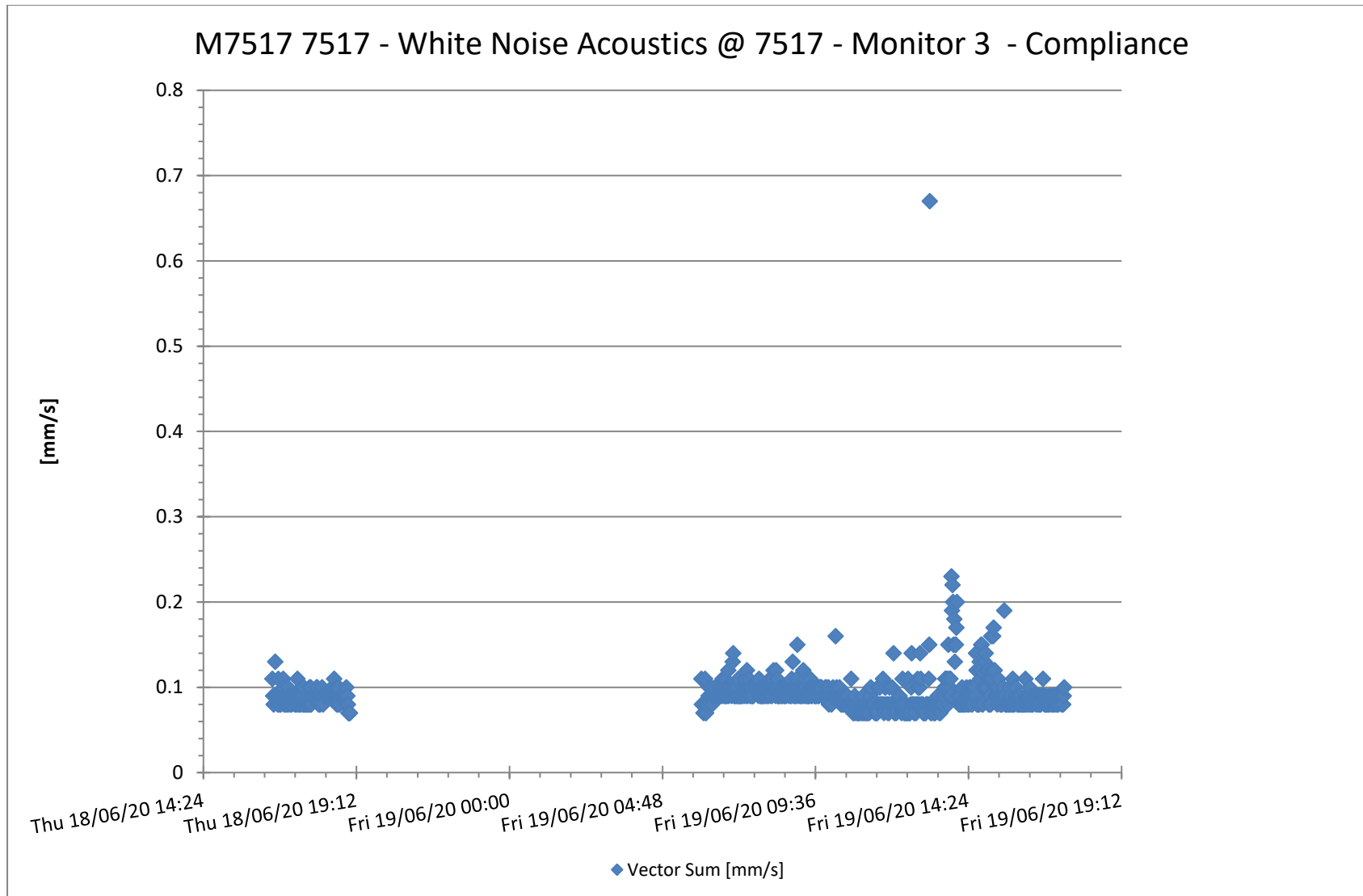




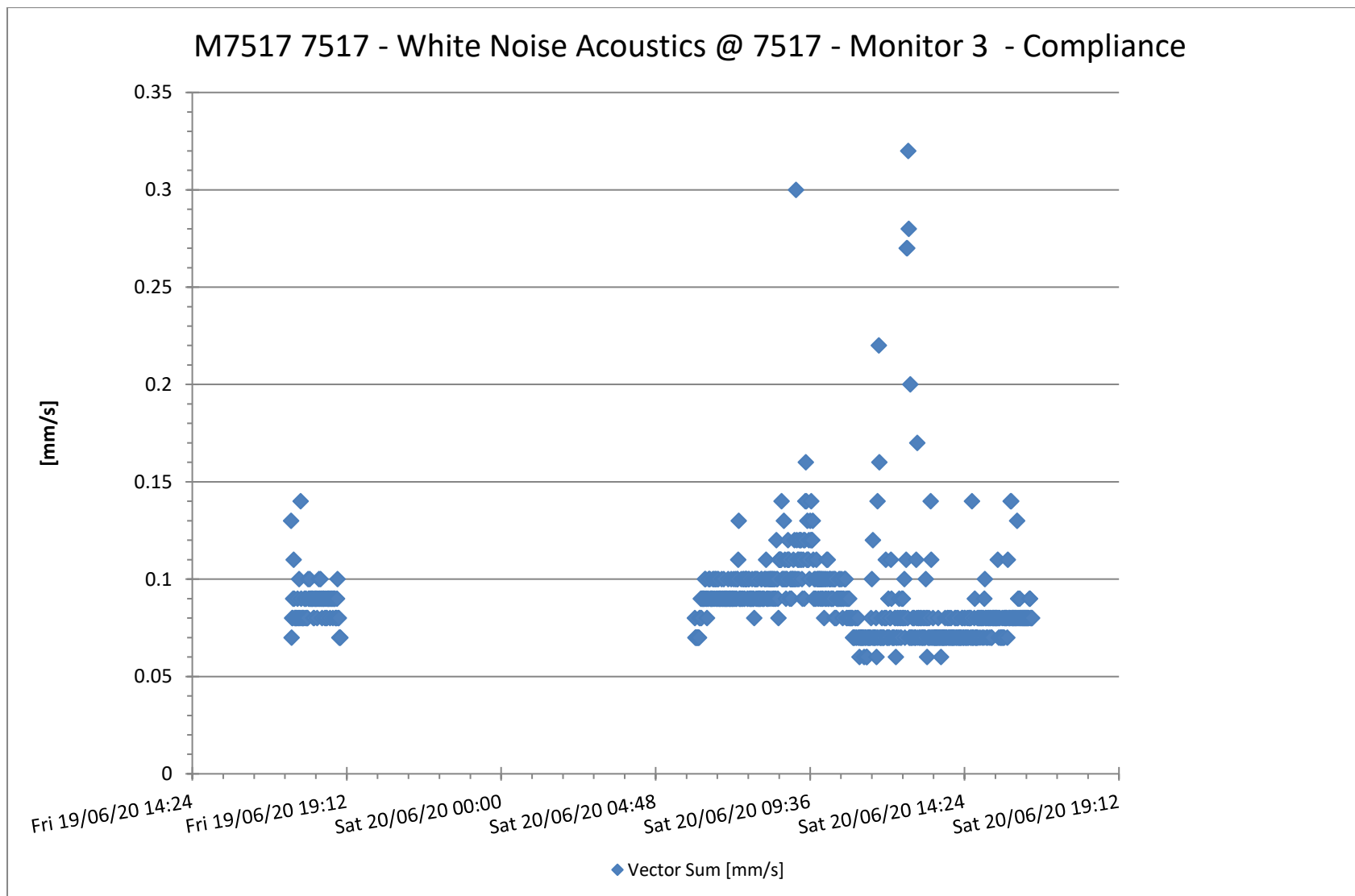
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



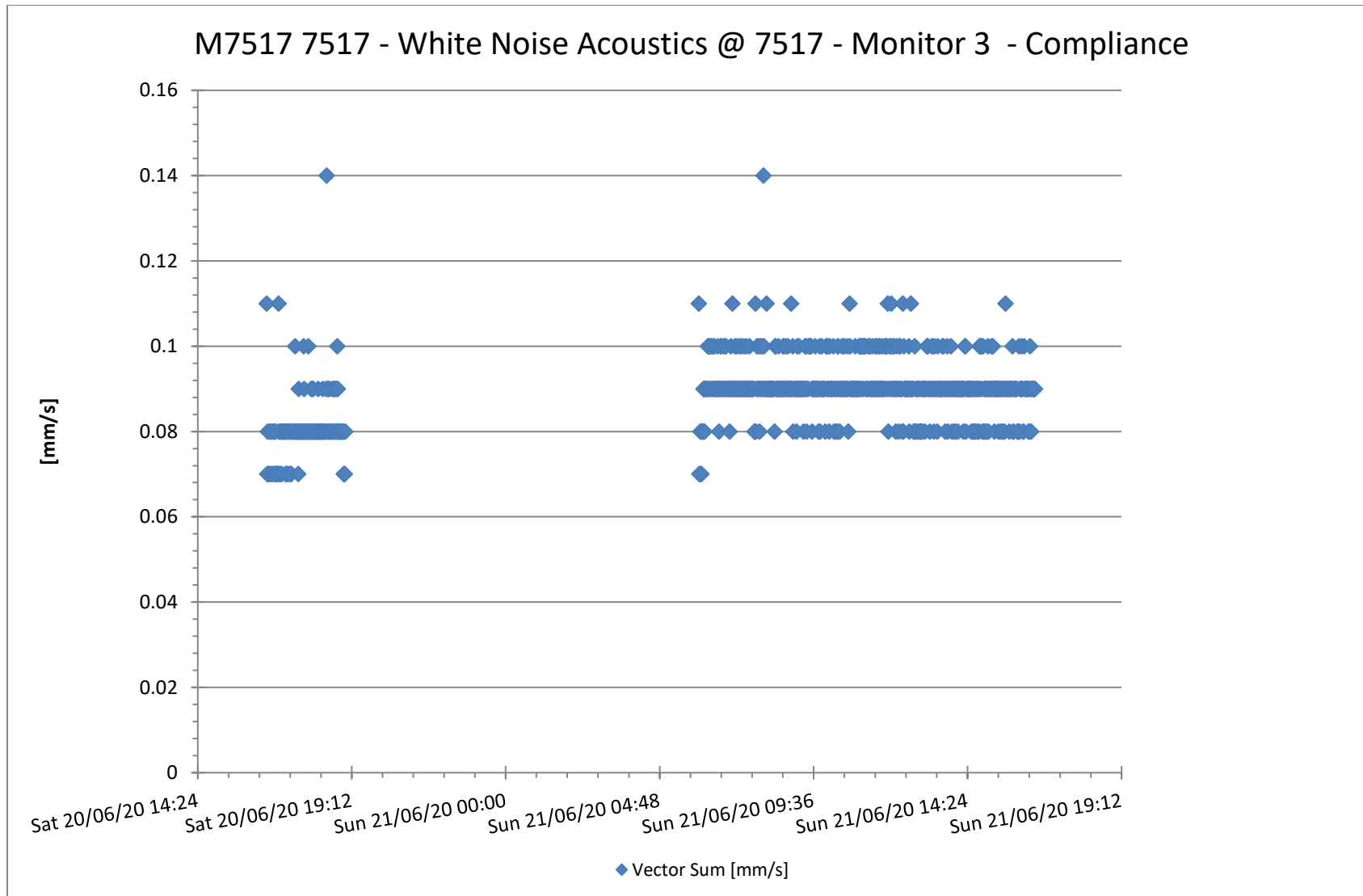
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



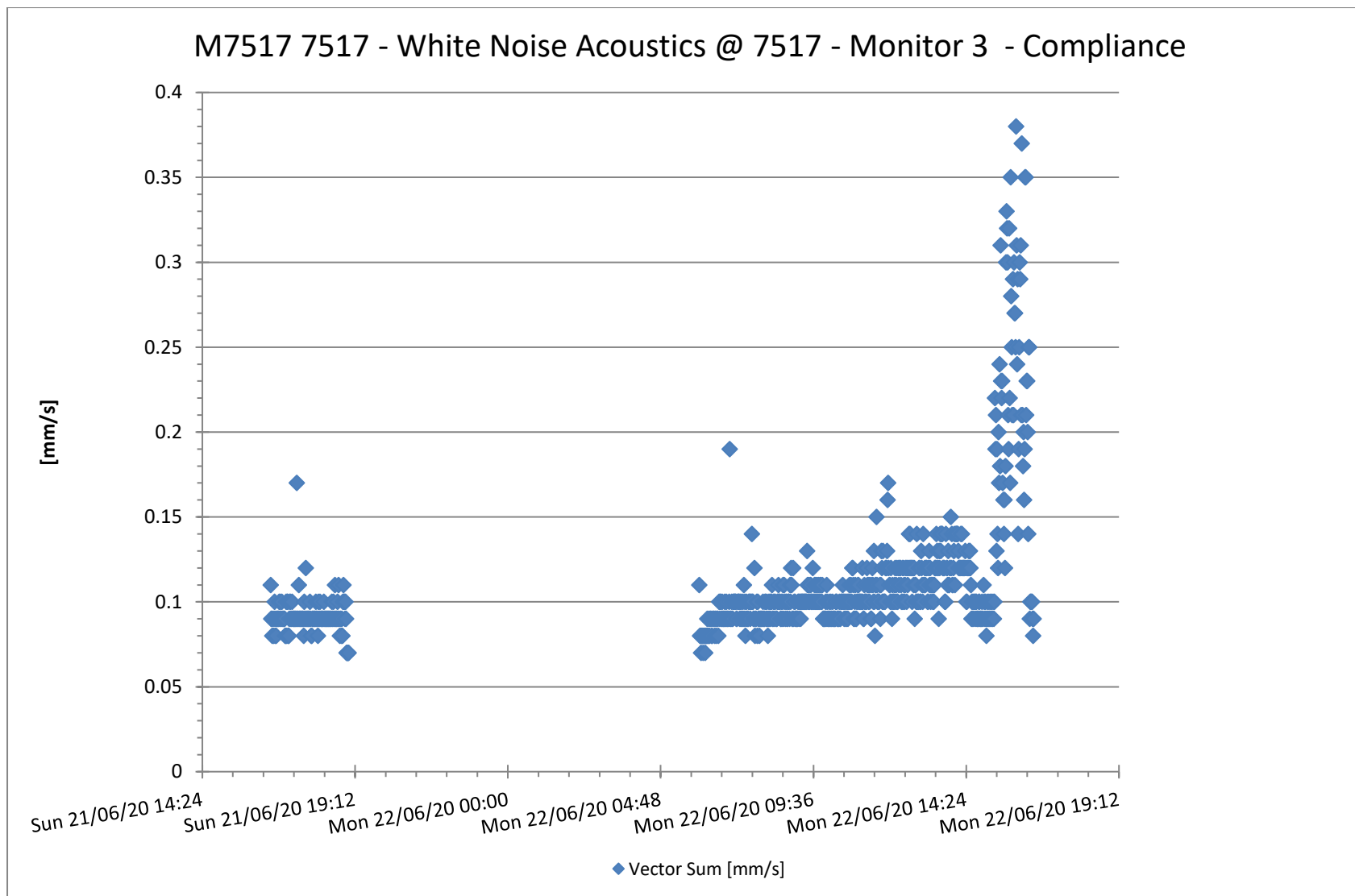
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



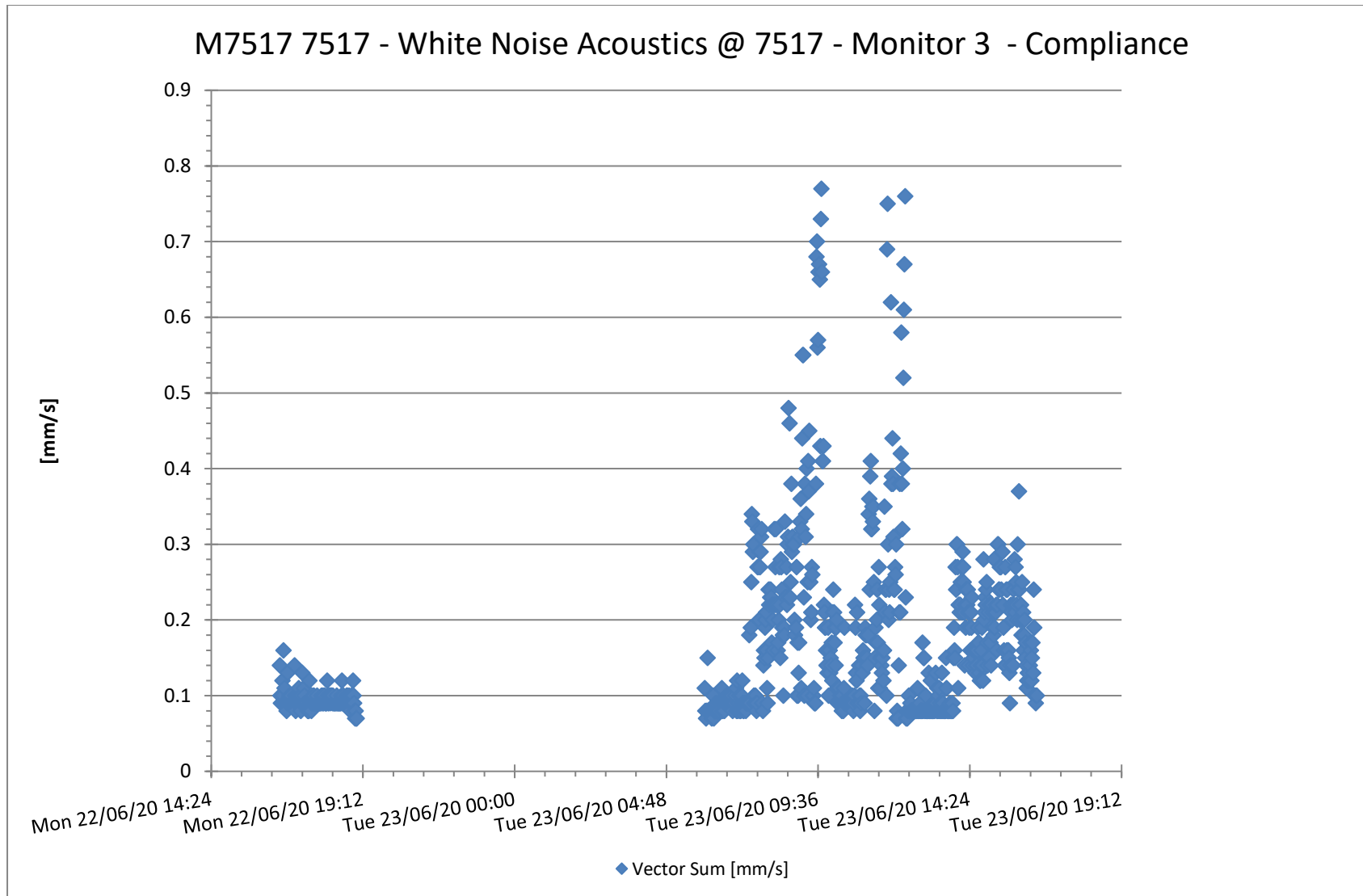
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



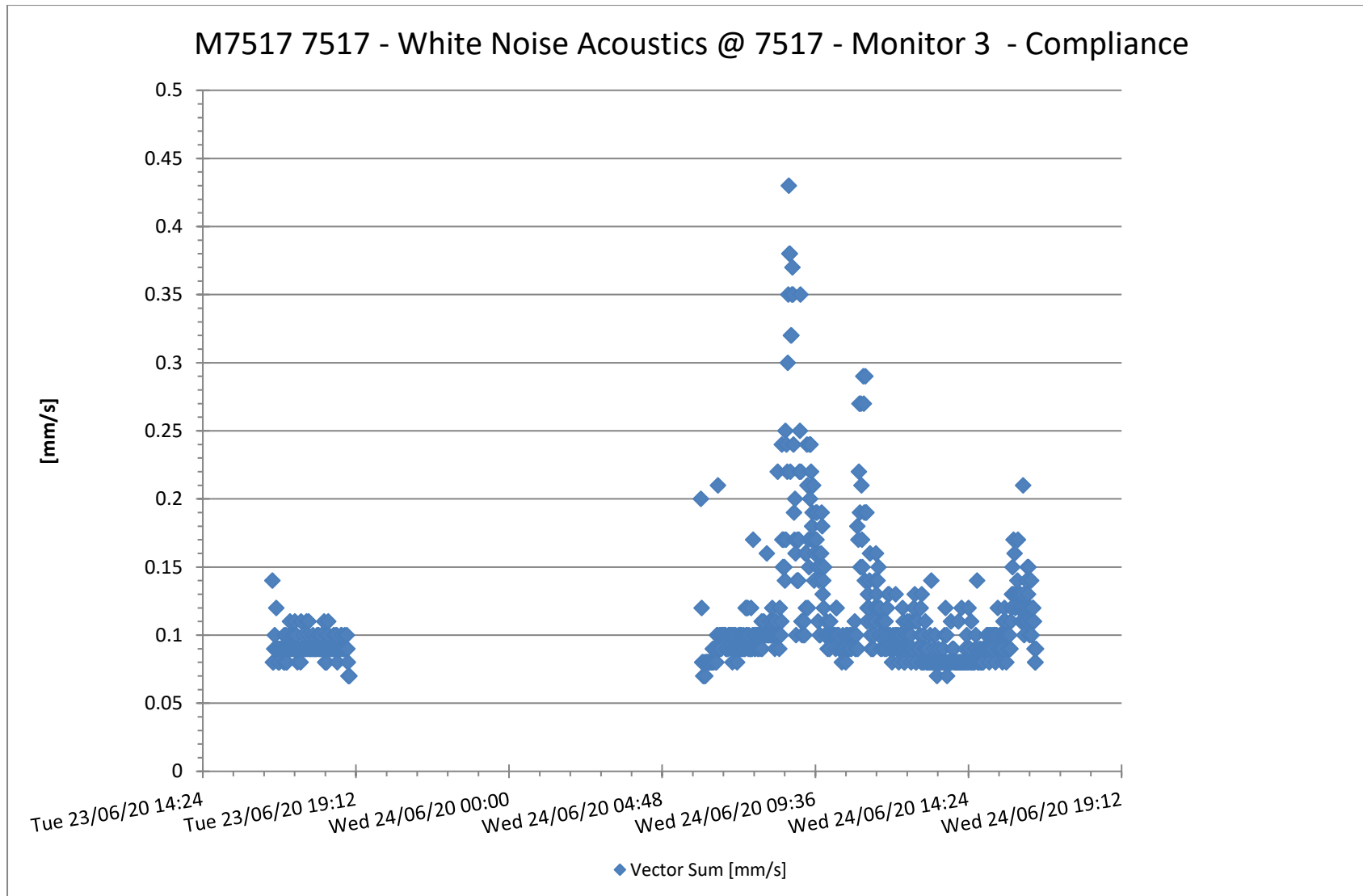
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



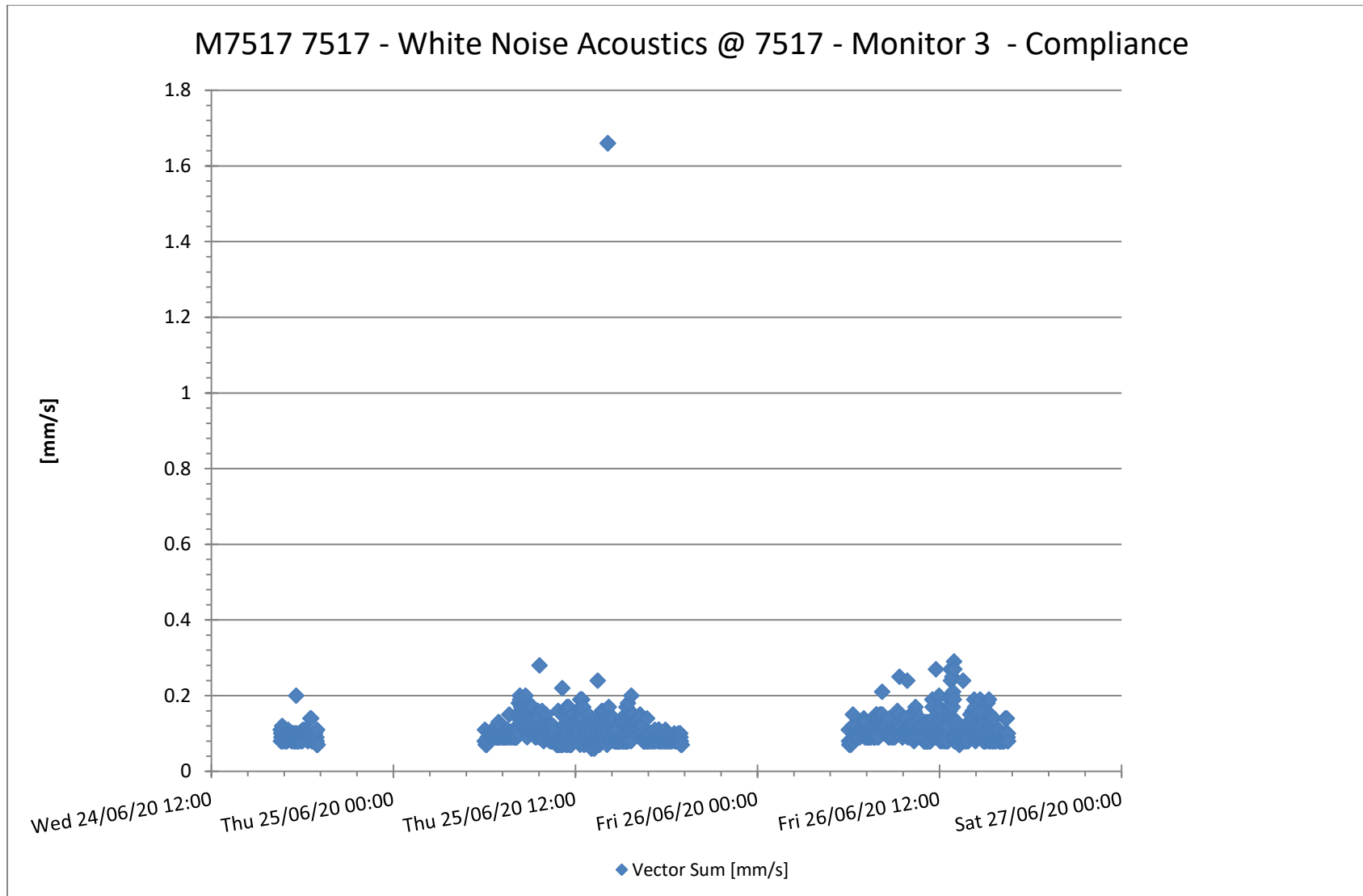
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

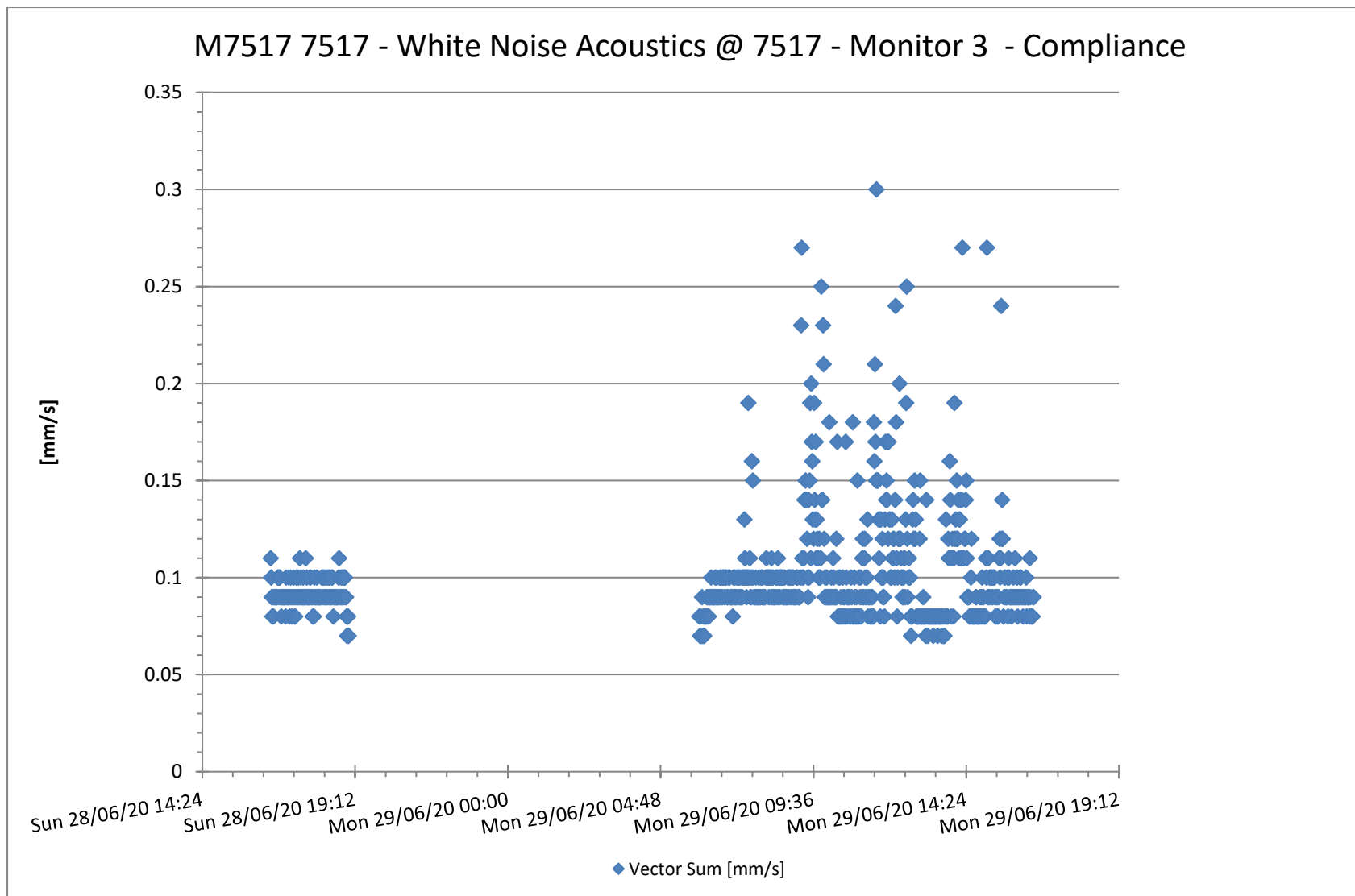


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

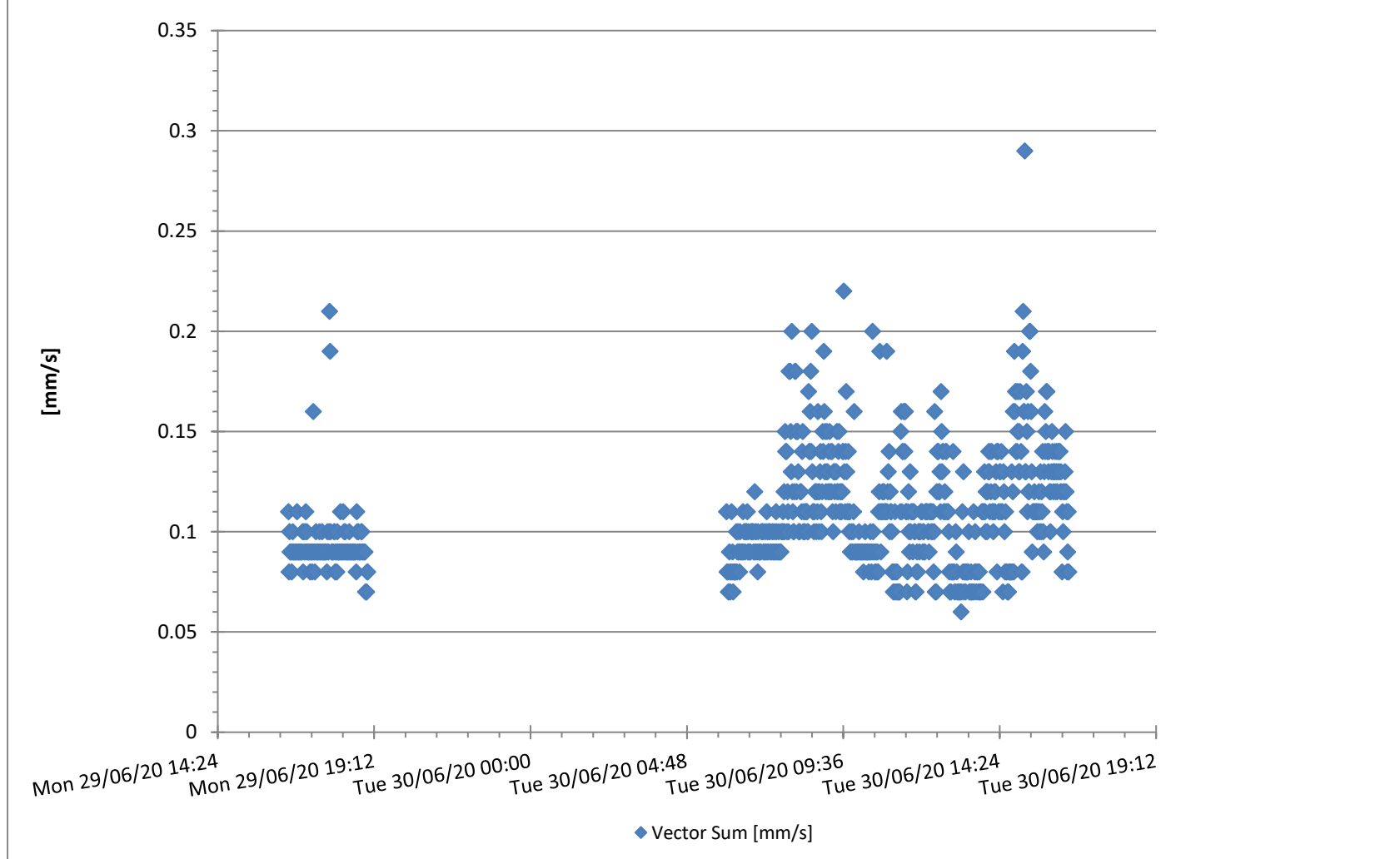




### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

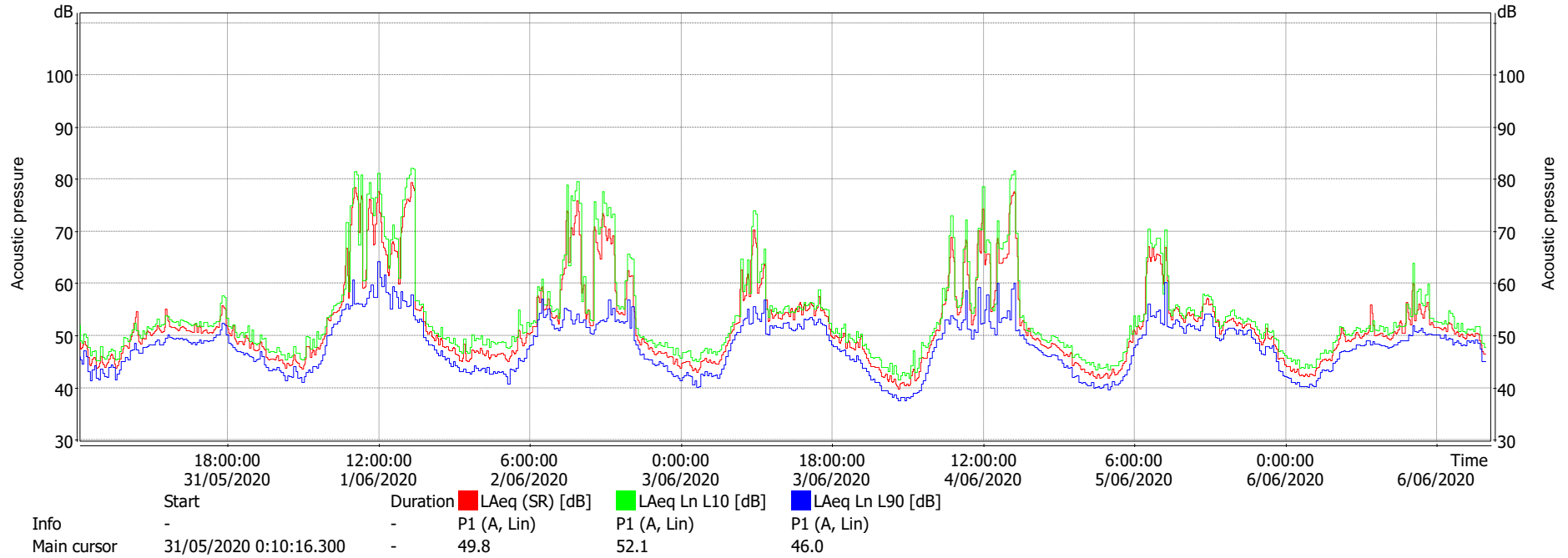


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

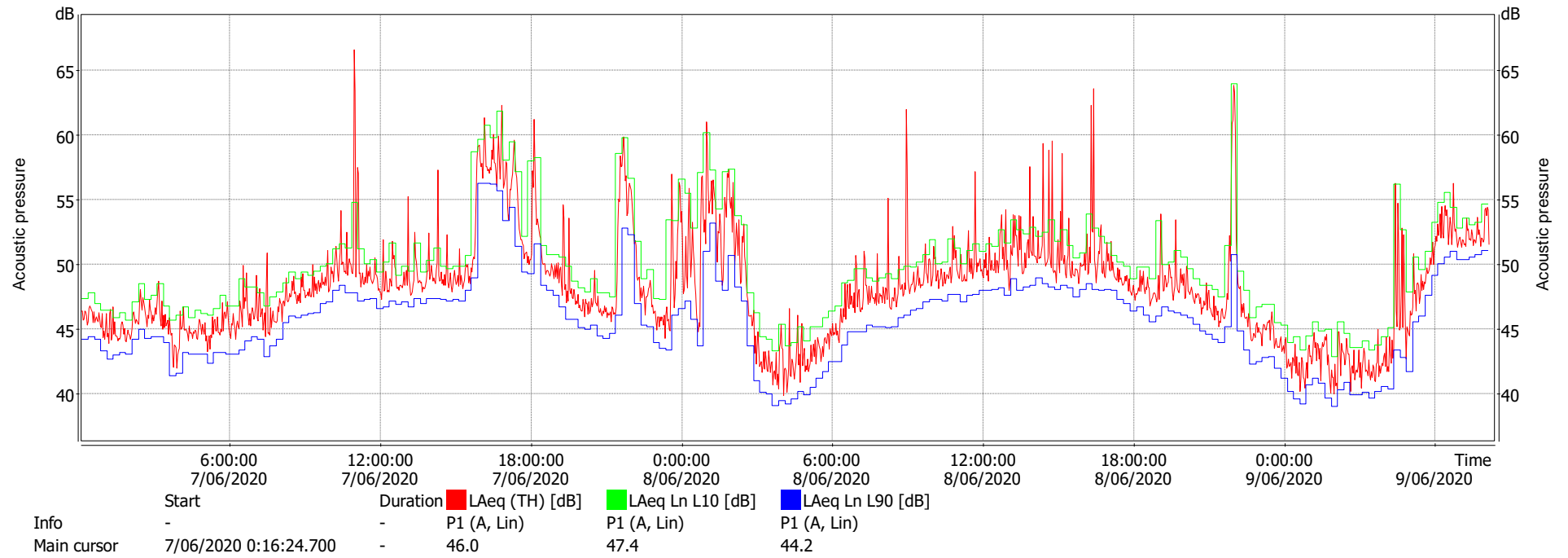


## **12 Appendix F – Noise Logger Location 1 – Art Gallery**

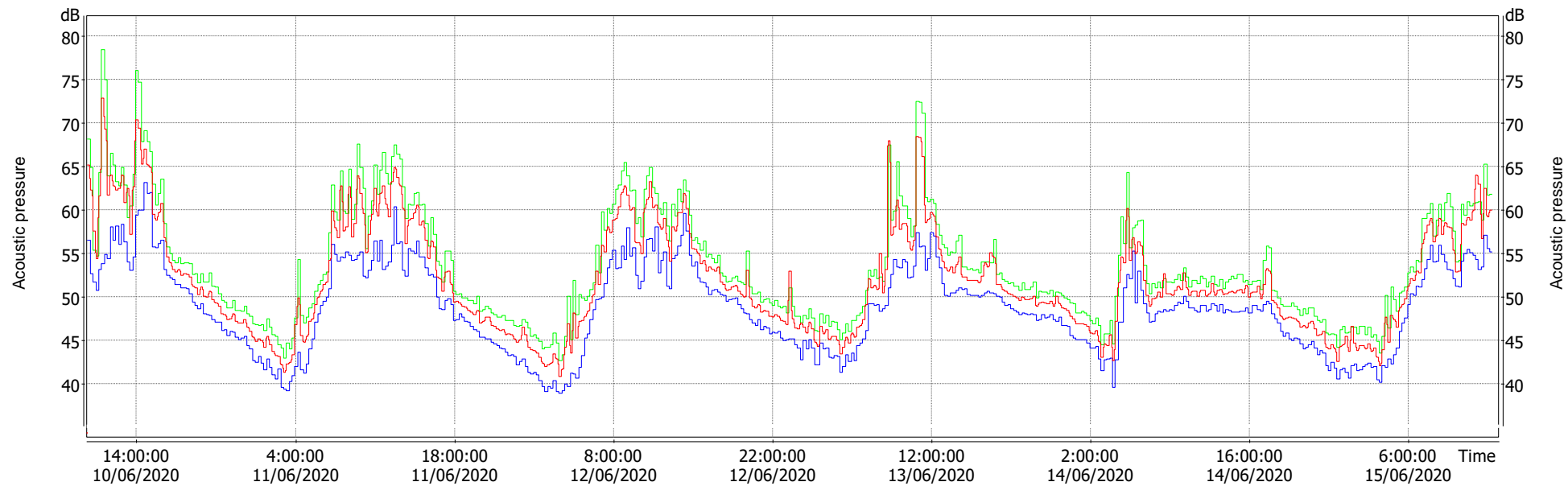
Logger results, logger step = 05:57



Logger results, logger step = 01:59

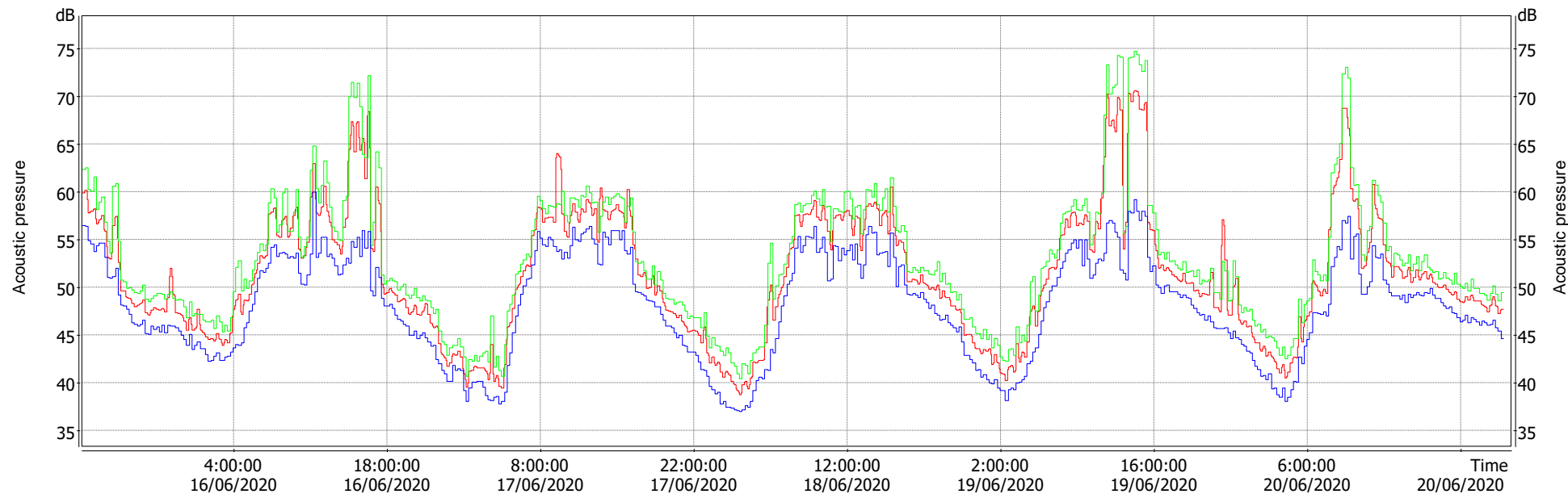


Logger results, logger step = 04:26



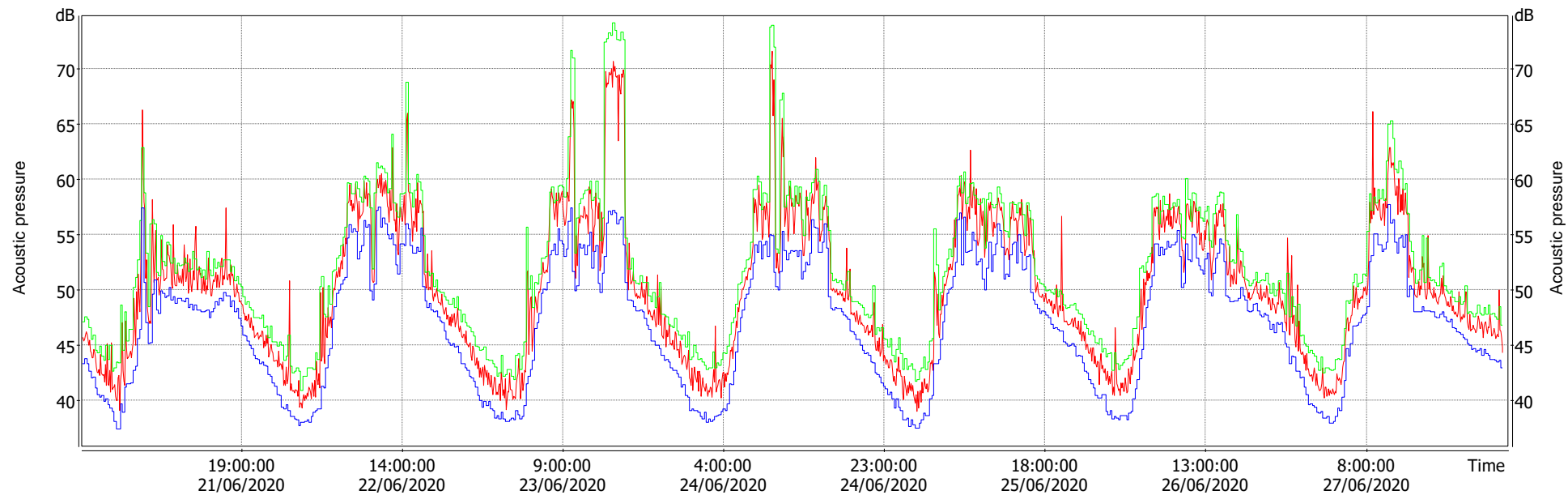
Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
Main cursor	10/06/2020 9:41:41.300	-	65.2	68.2	56.5
Overload (TH)	10/06/2020 9:40:42.300	00:00:02.000	-	-	-

Logger results, logger step = 04:36



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	15/06/2020 14:11:15.400	-	60.0	62.4	56.5

Logger results, logger step = 05:57

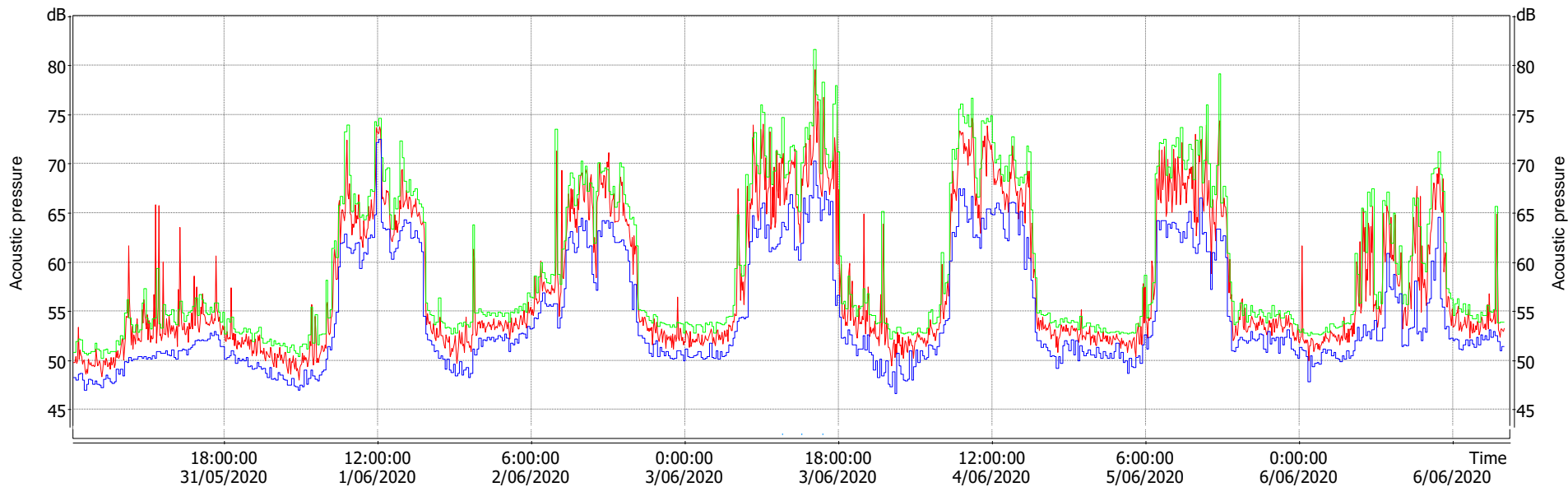


Info	Start	Duration	LAeq (TH) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
	-	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	21/06/2020 0:09:25.900	-	45.7	47.1	43.3



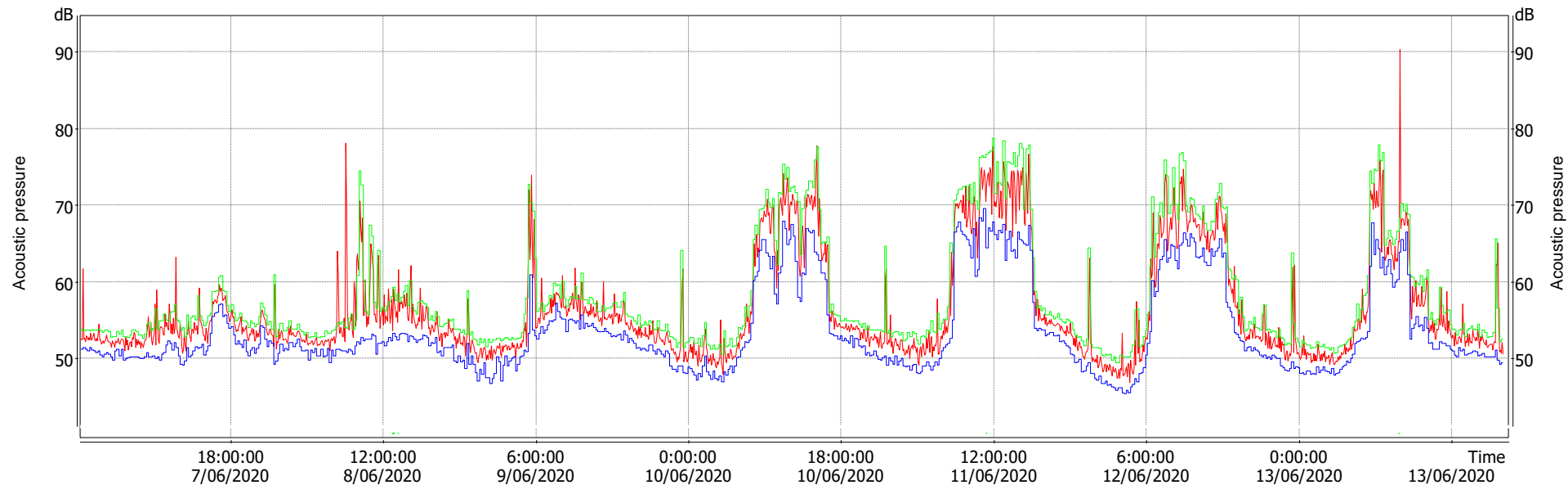
## **13 Appendix G – Noise Logger Location 2 – To the North East**

Logger results, logger step = 05:55



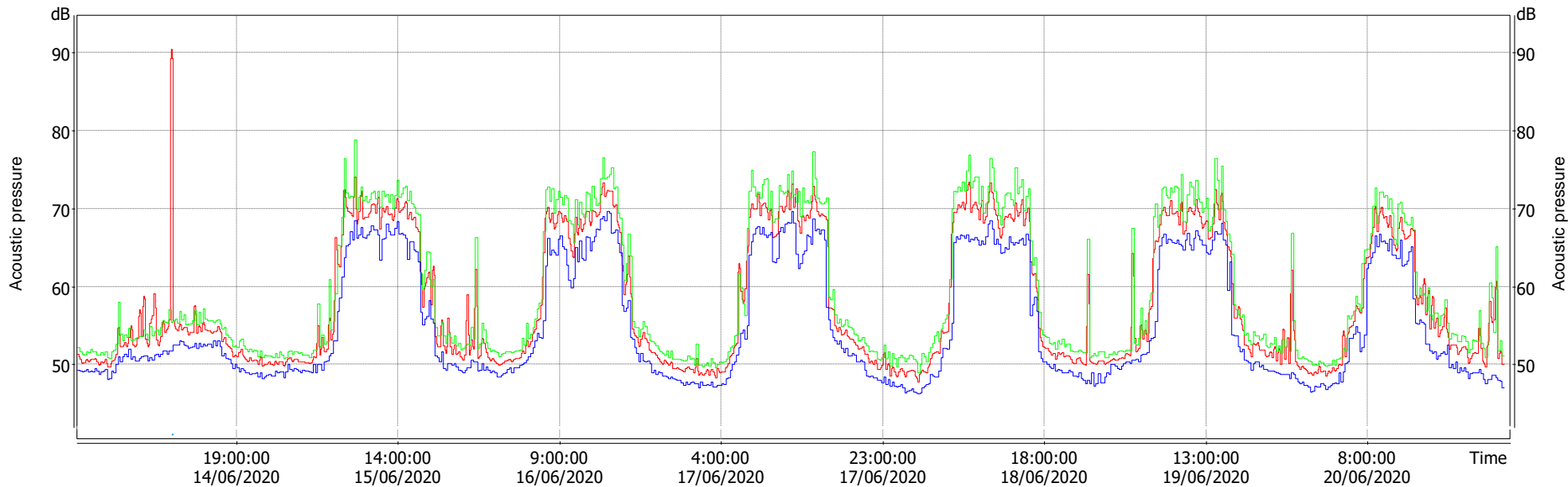
Info	Start	Duration	LAeq (TH) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
Main cursor	31/05/2020 0:20:55	-	P1 (A, Lin) 49.8	P1 (A, Lin) 50.8	P1 (A, Lin) 48.3
Overload (TH)	3/06/2020 11:26:44	00:00:03.000	-	-	-

Logger results, logger step = 05:56



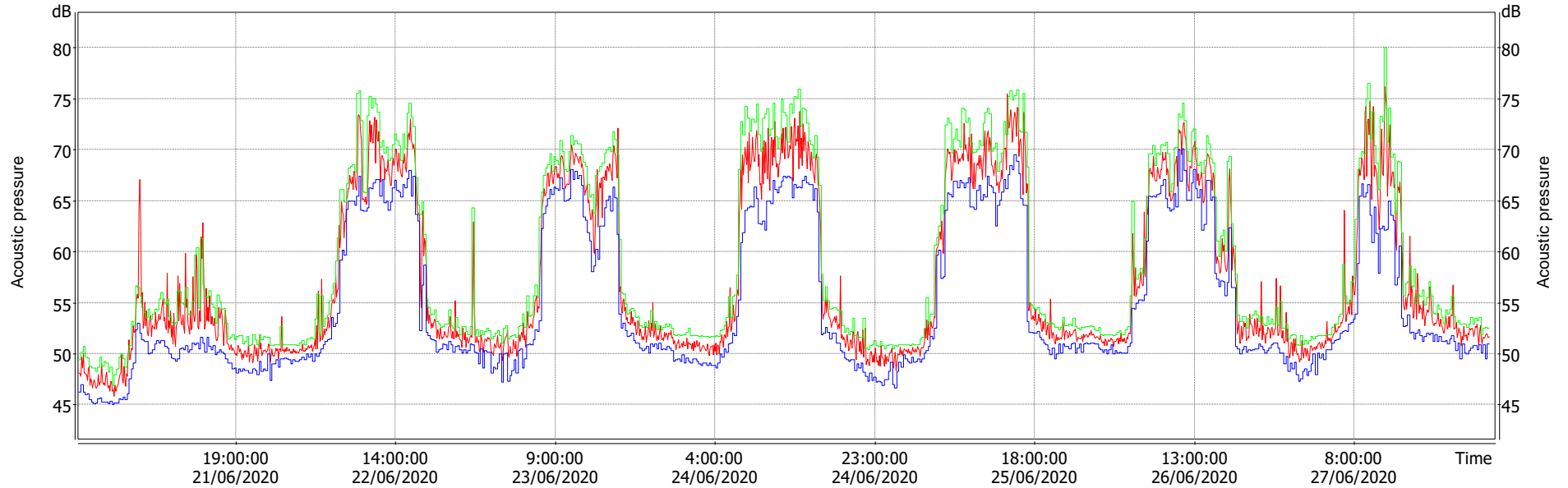
Info	Start	Duration	LAeq (TH) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
Main cursor	12/06/2020 10:05:28	-	P1 (A, Lin) 73.8	P1 (A, Lin) 76.7	P1 (A, Lin) 64.8
Overload (TH)	8/06/2020 13:02:31	00:00:11.000	-	-	-

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	14/06/2020 11:25:28	-	90.4	55.4	51.8
Overload (TH)	14/06/2020 11:27:47	00:00:07.000	-	-	-


Logger results, logger step = 05:56




Info	Start	Duration	LAeq (TH) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
	-	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	21/06/2020 0:20:56	-	48.1	49.4	46.3

## 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

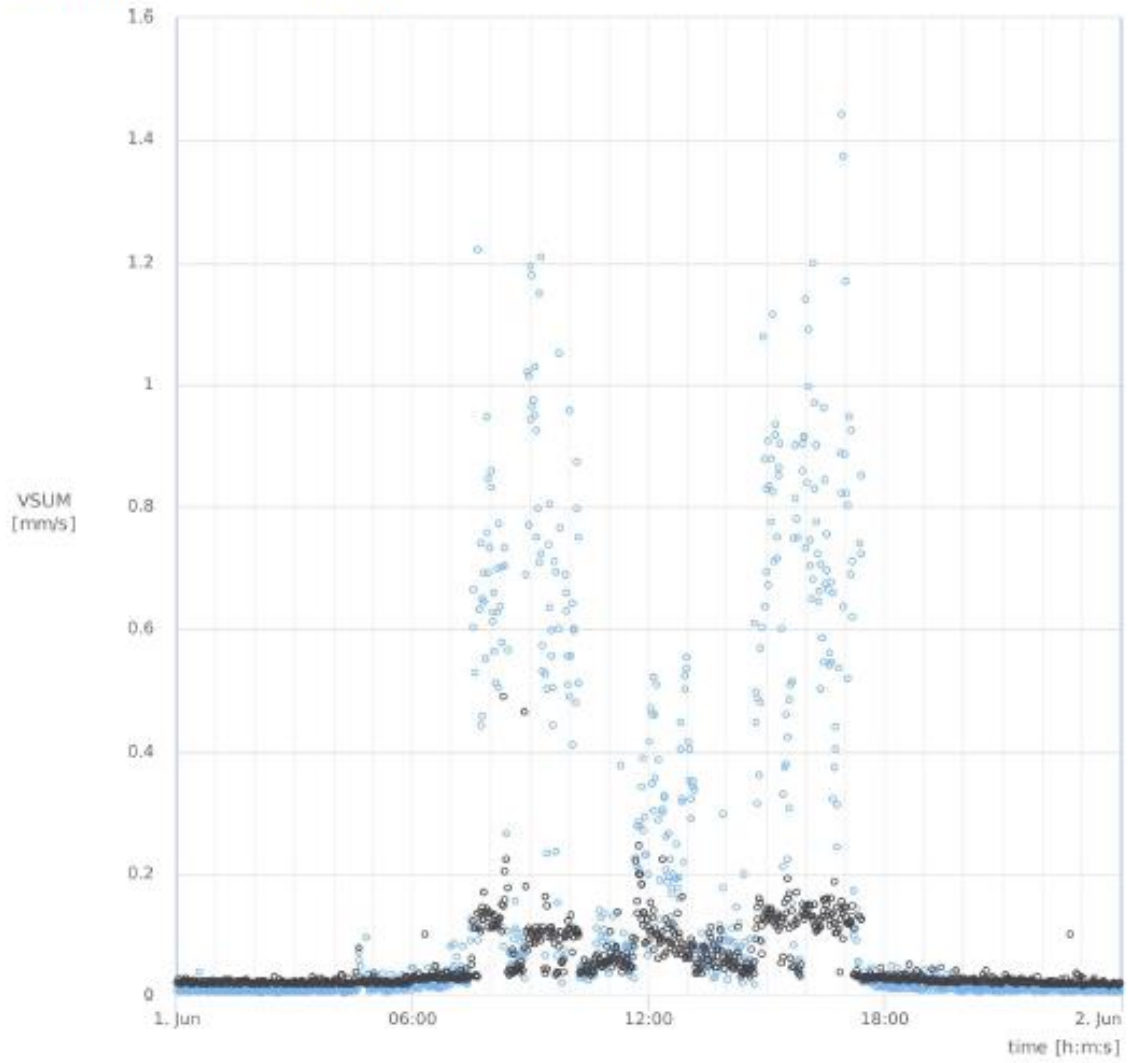
19270001

Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

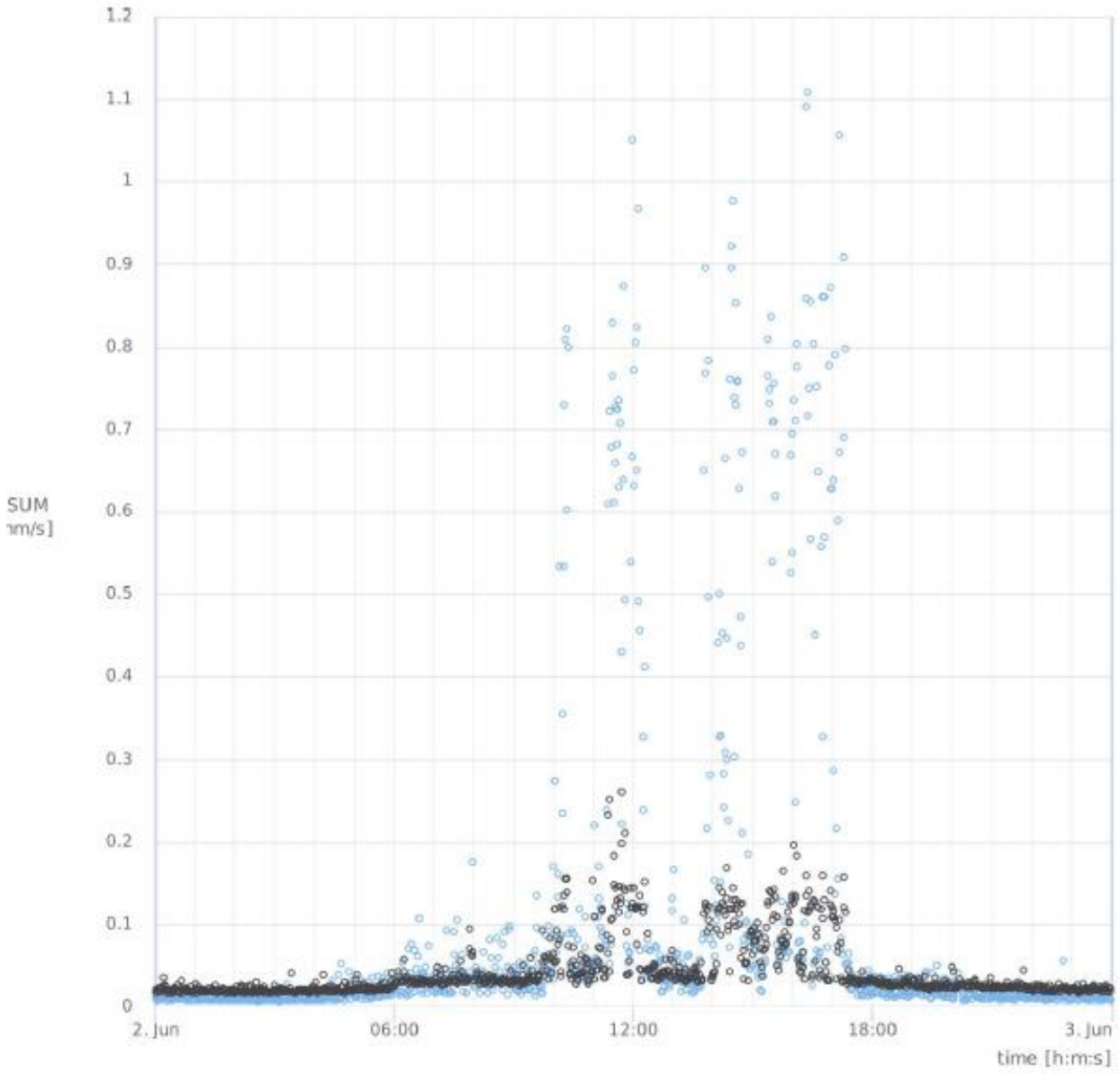


or Sum Plot

ces

ir3000-19270000  
9270000

● mr3000-19270001  
19270001



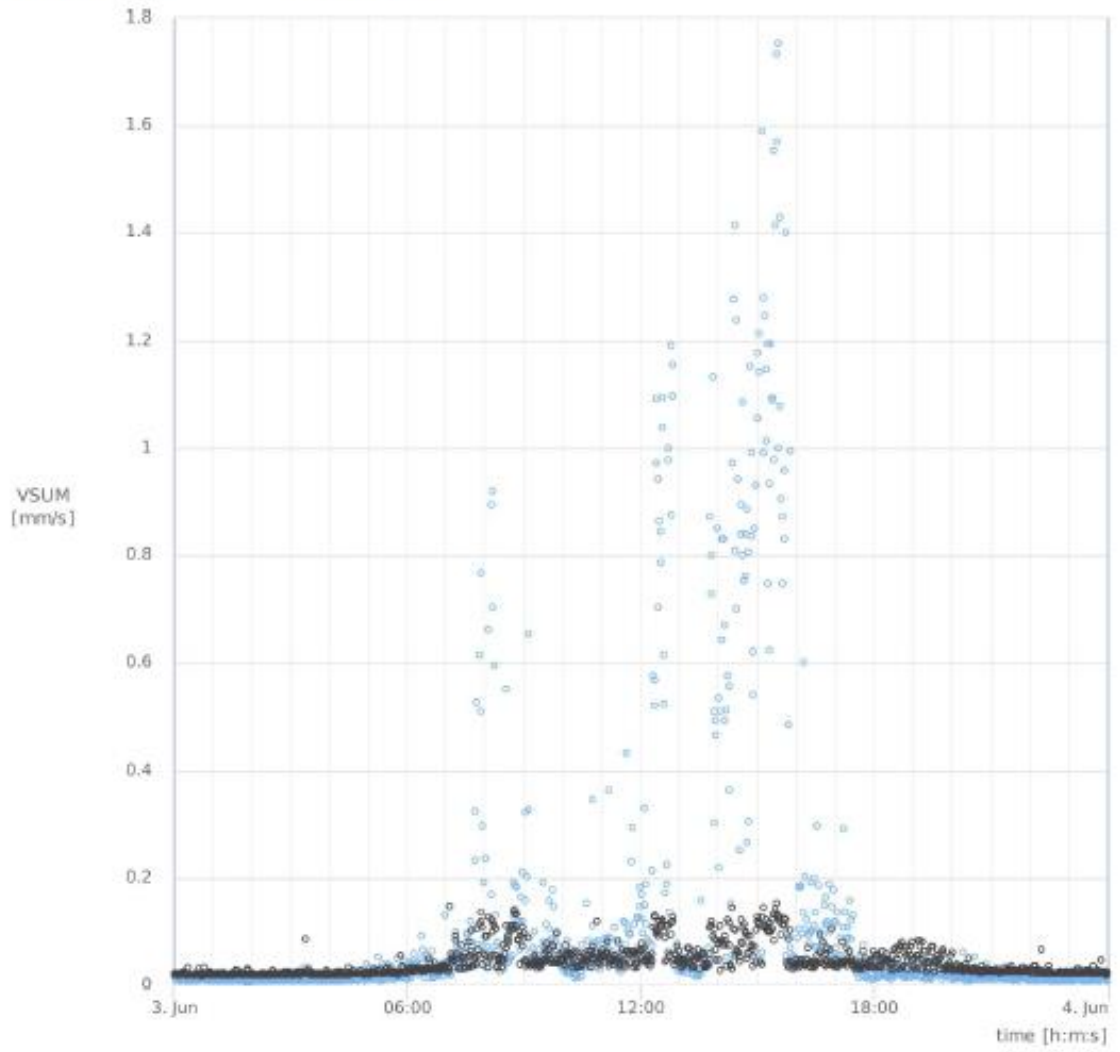


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

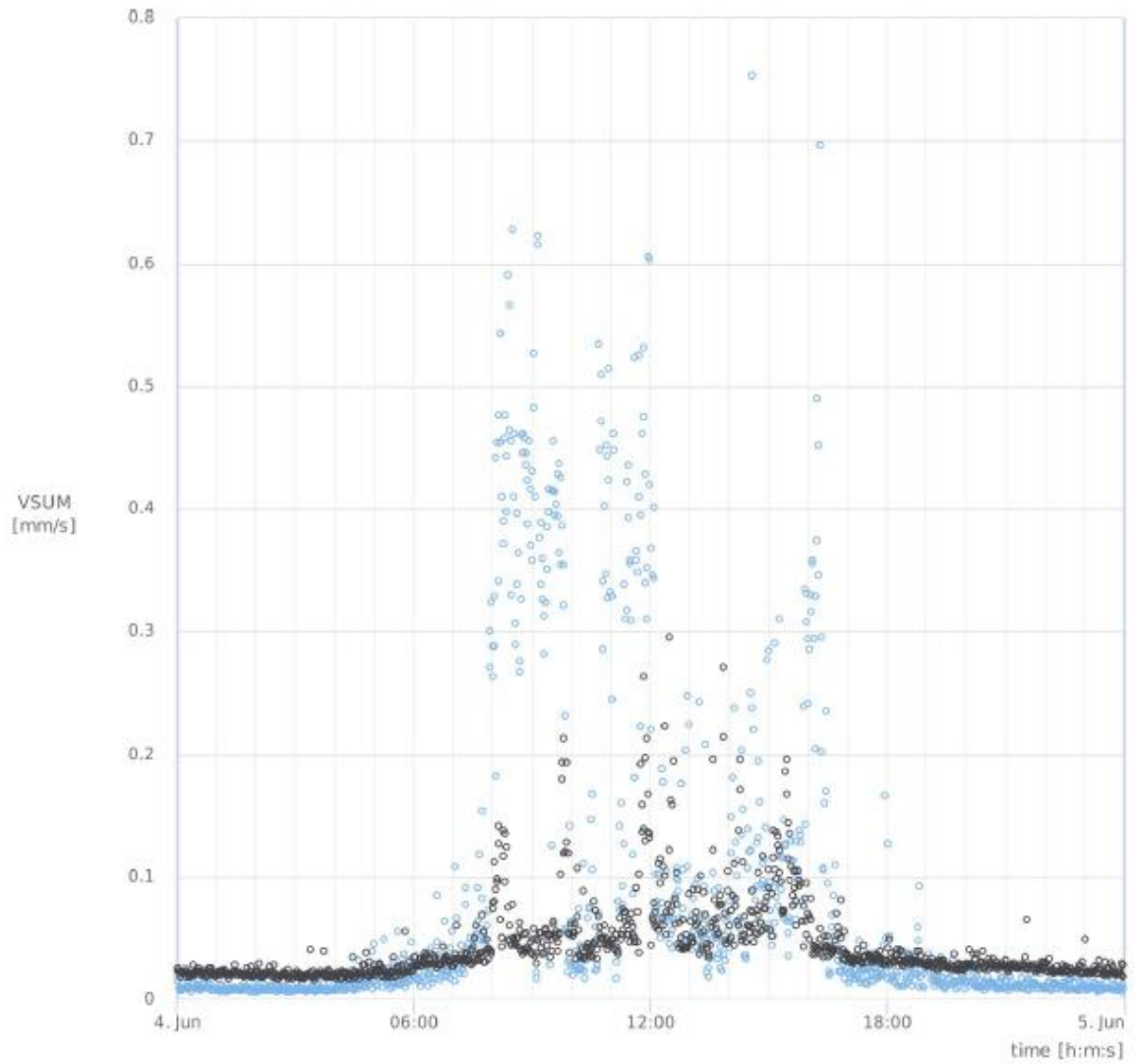


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

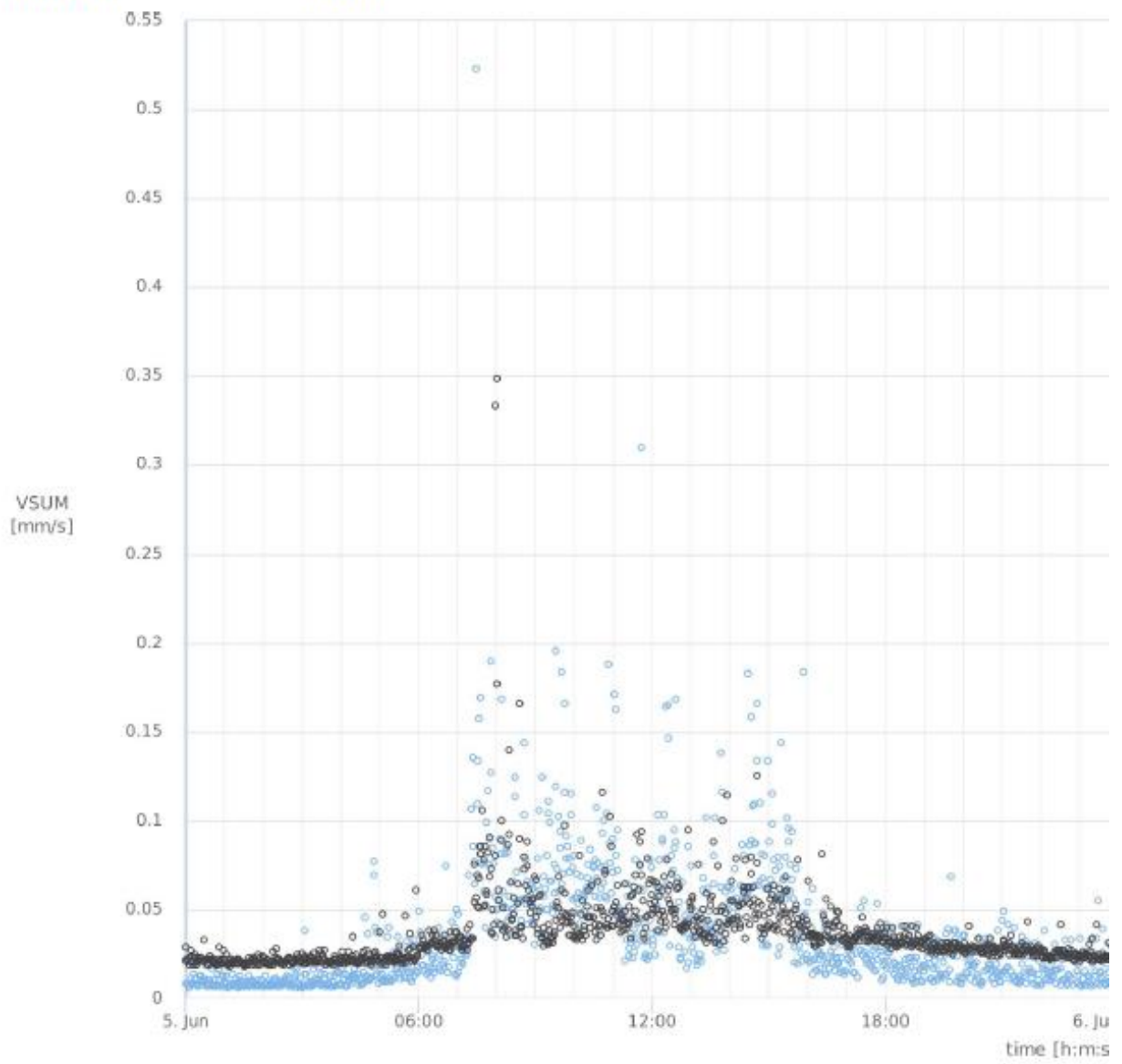


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

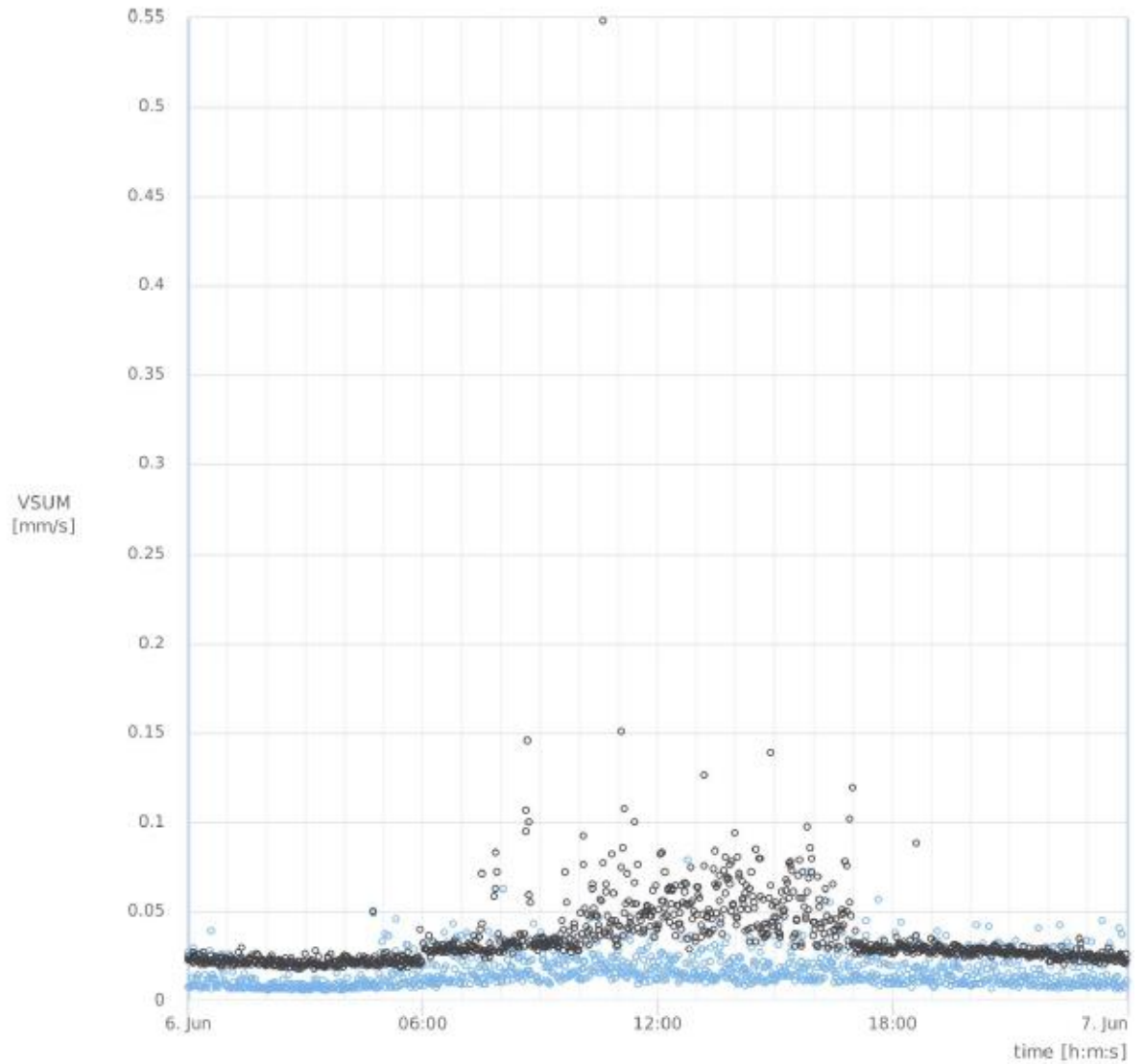


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

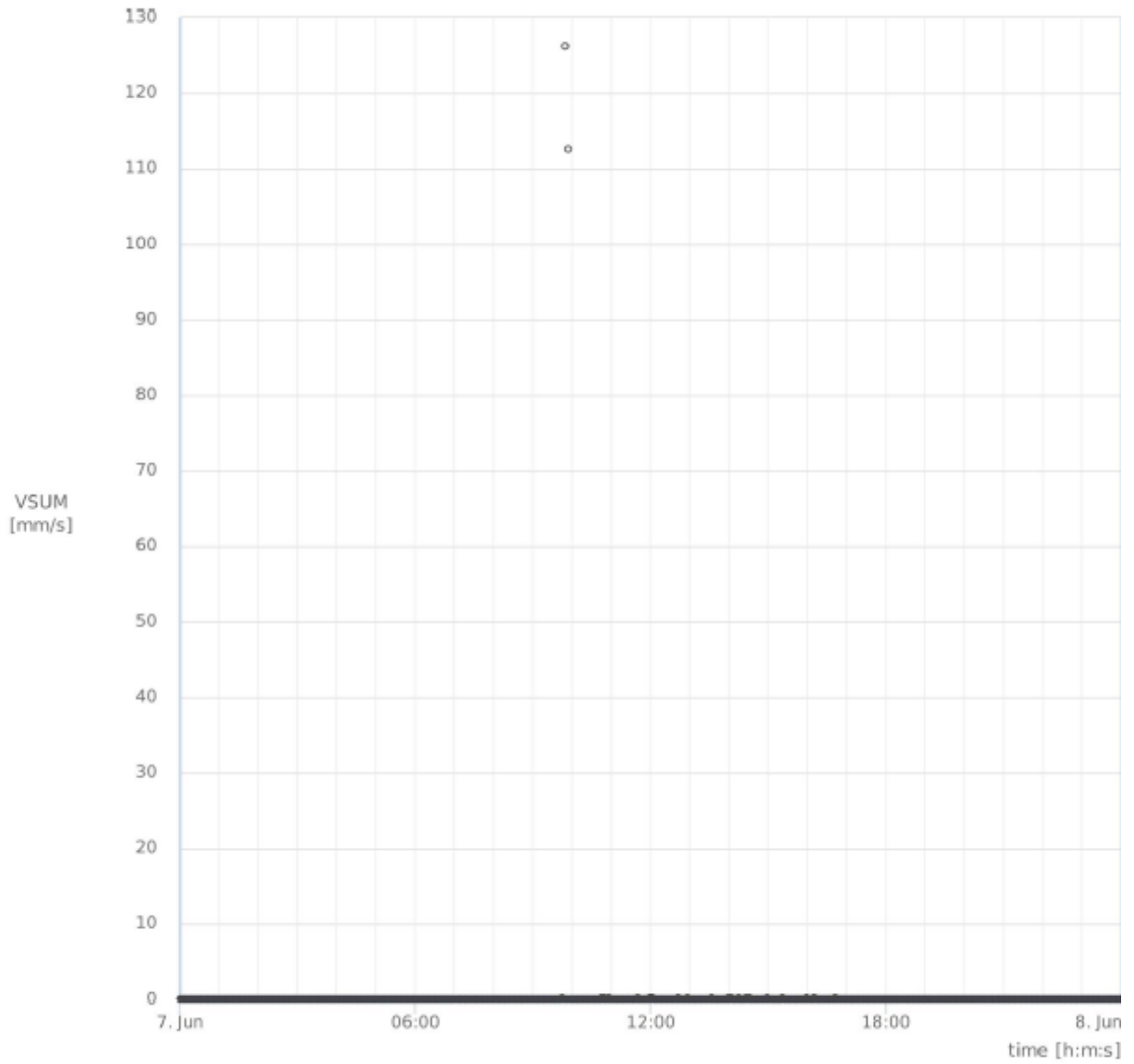


### Vector Sum Plot

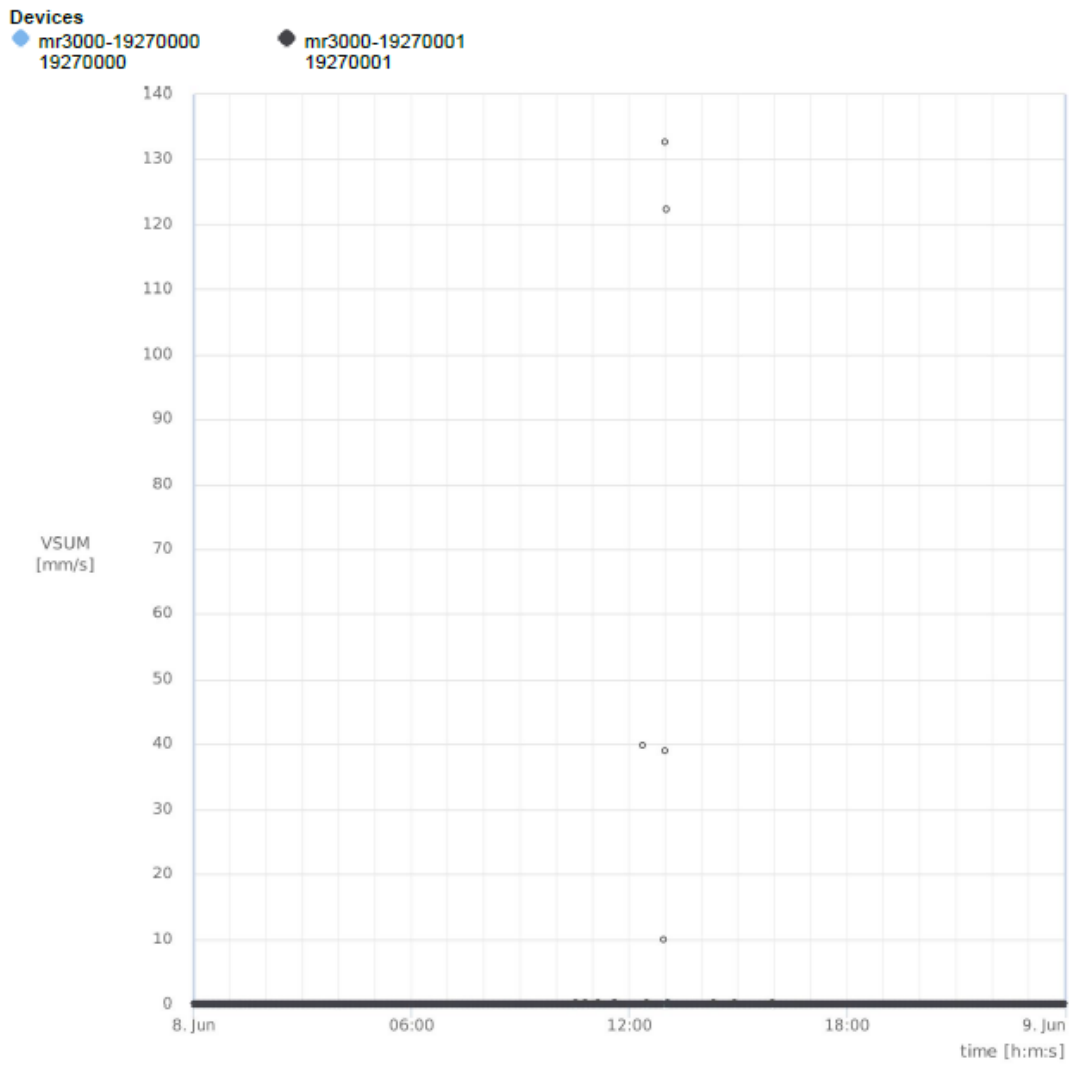
#### Devices

▶ mr3000-19270000  
19270000

● mr3000-19270001  
19270001



Vector Sum Plot

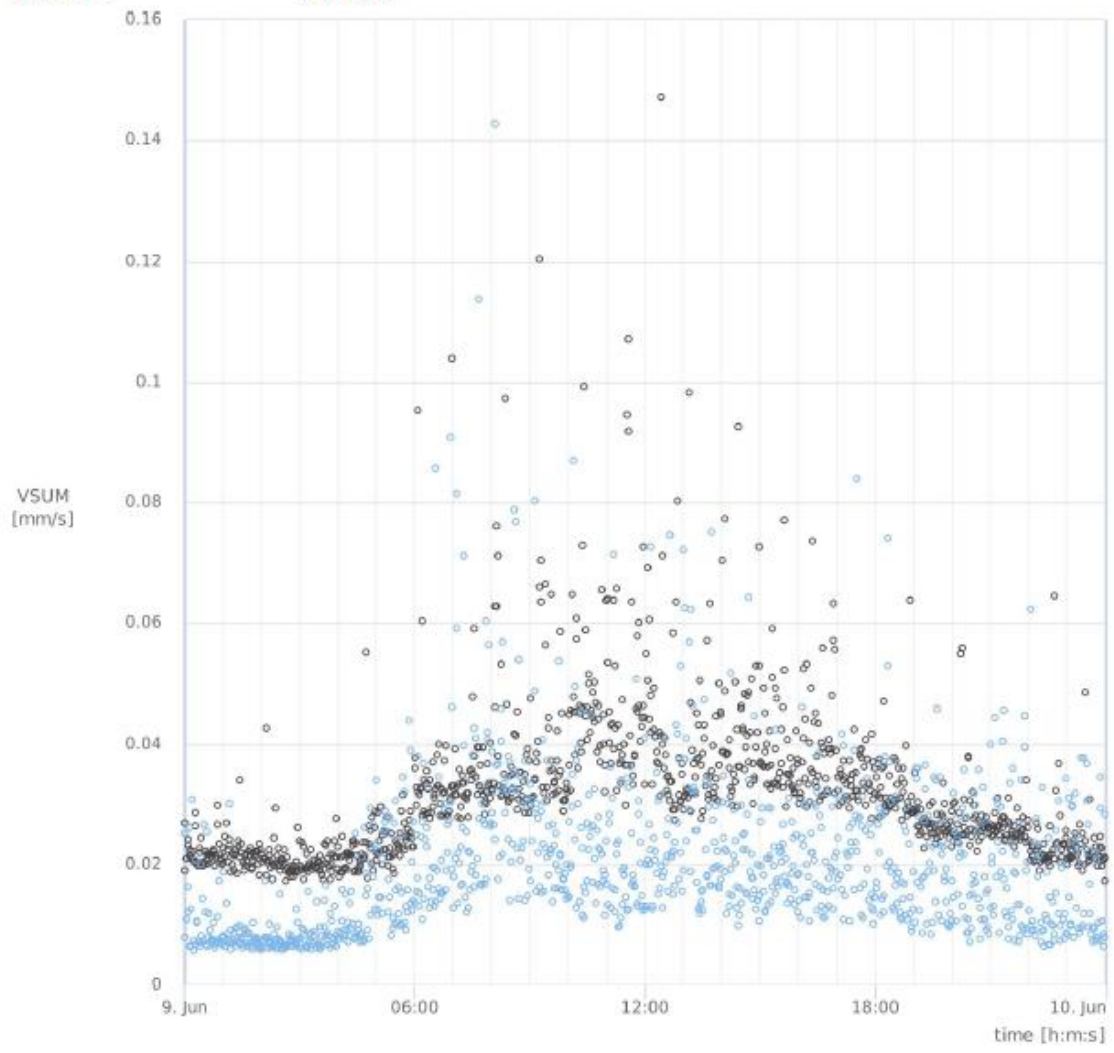


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

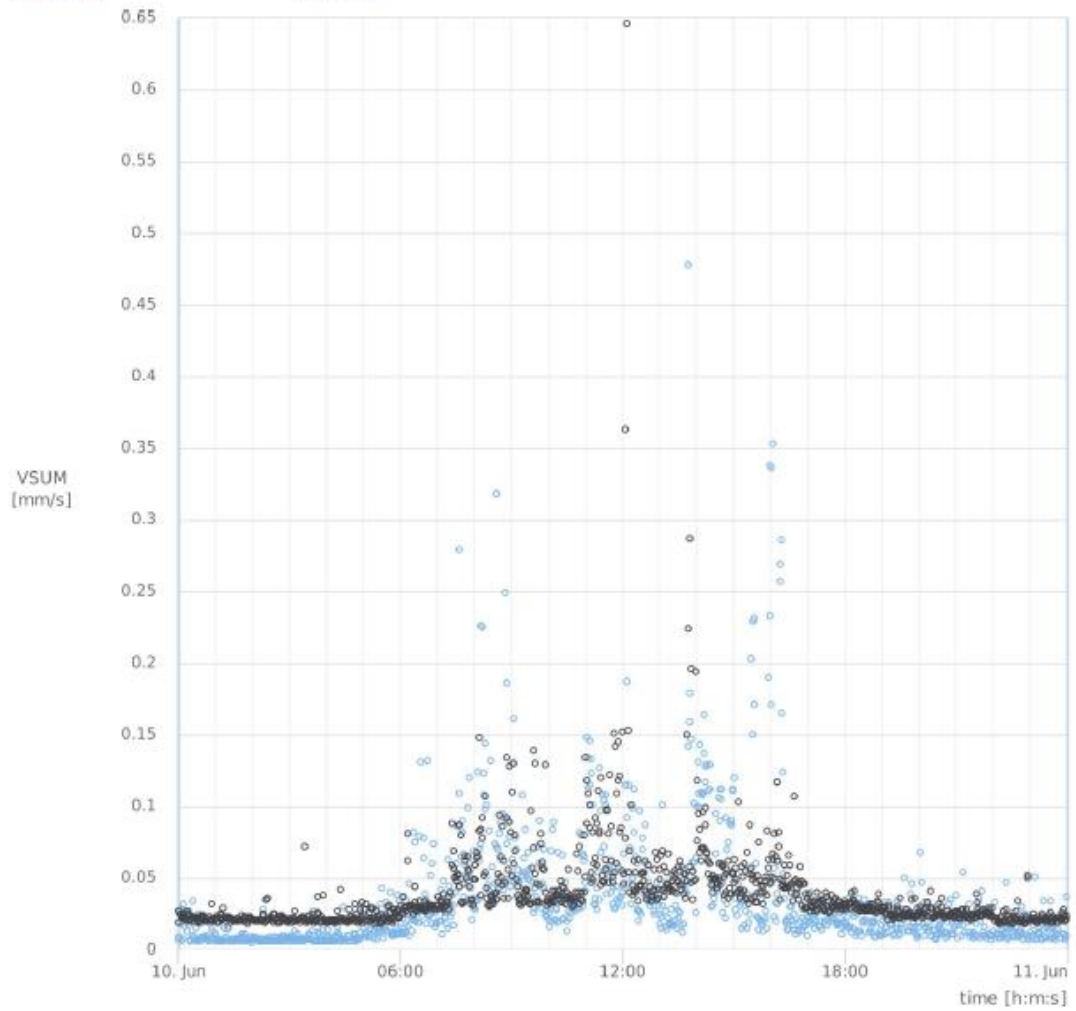


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001



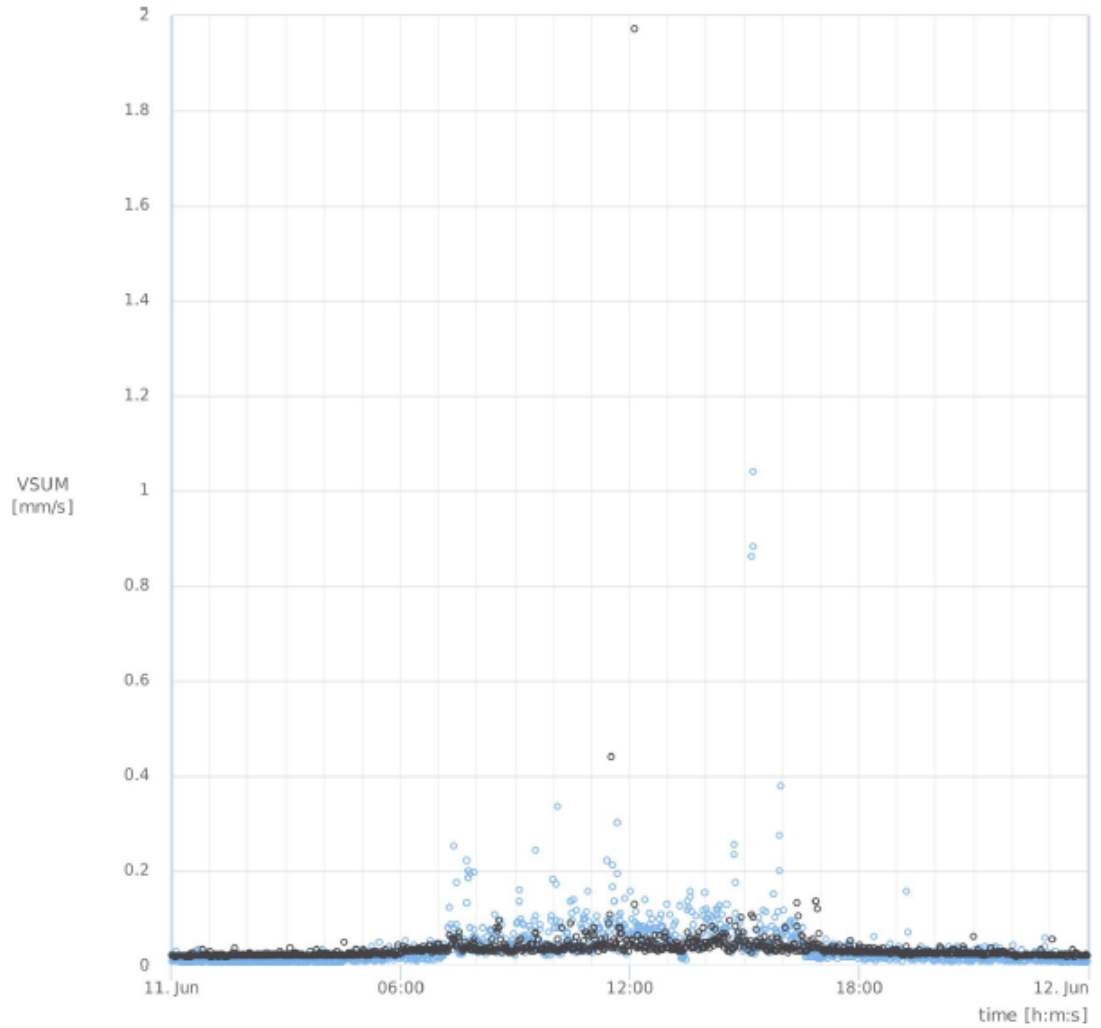


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

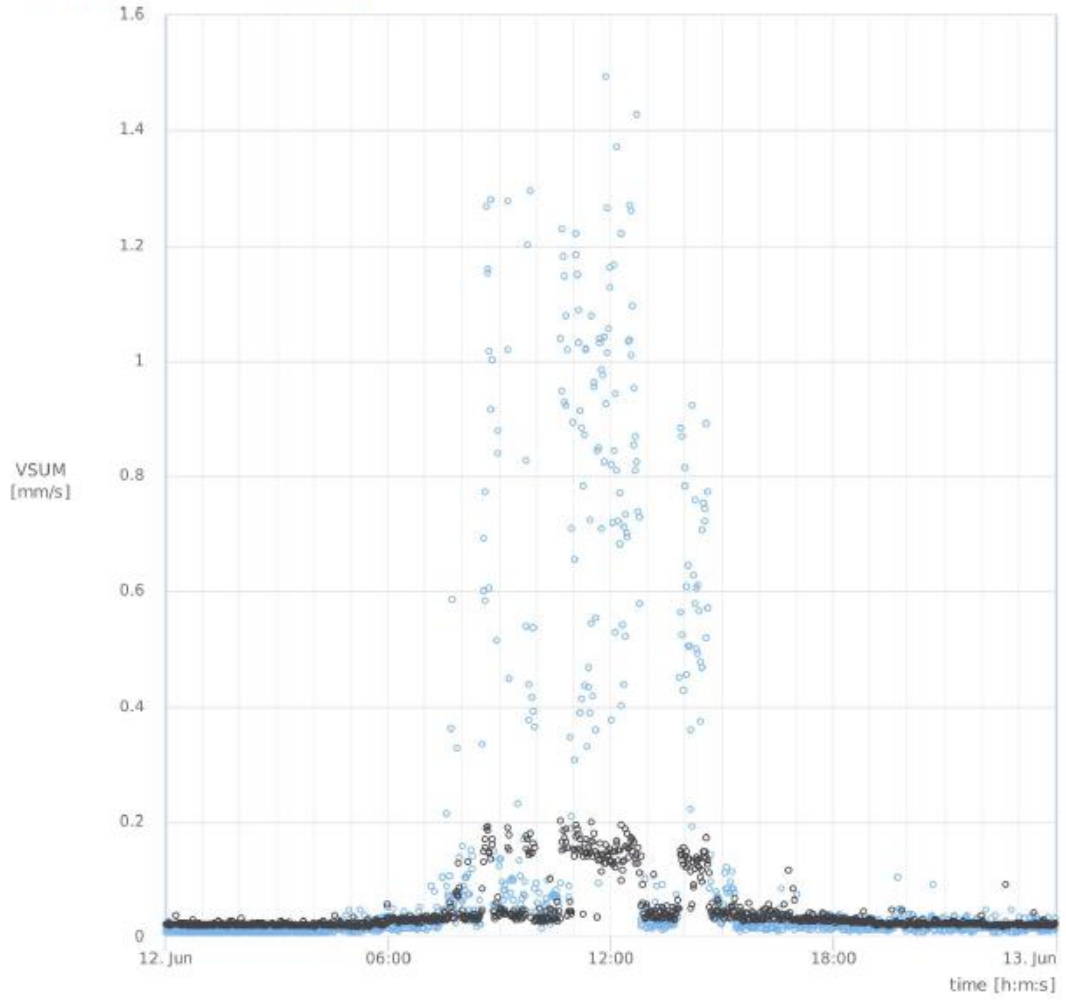


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

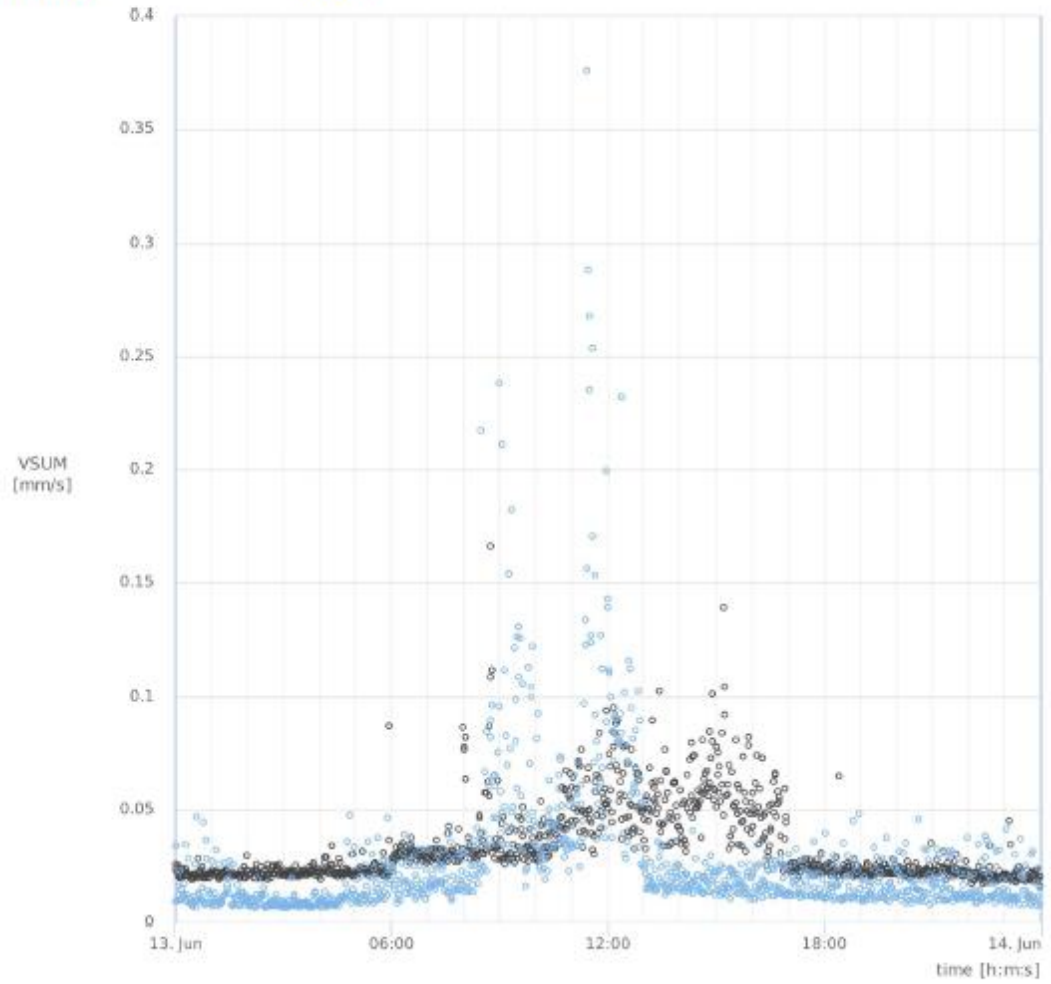


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

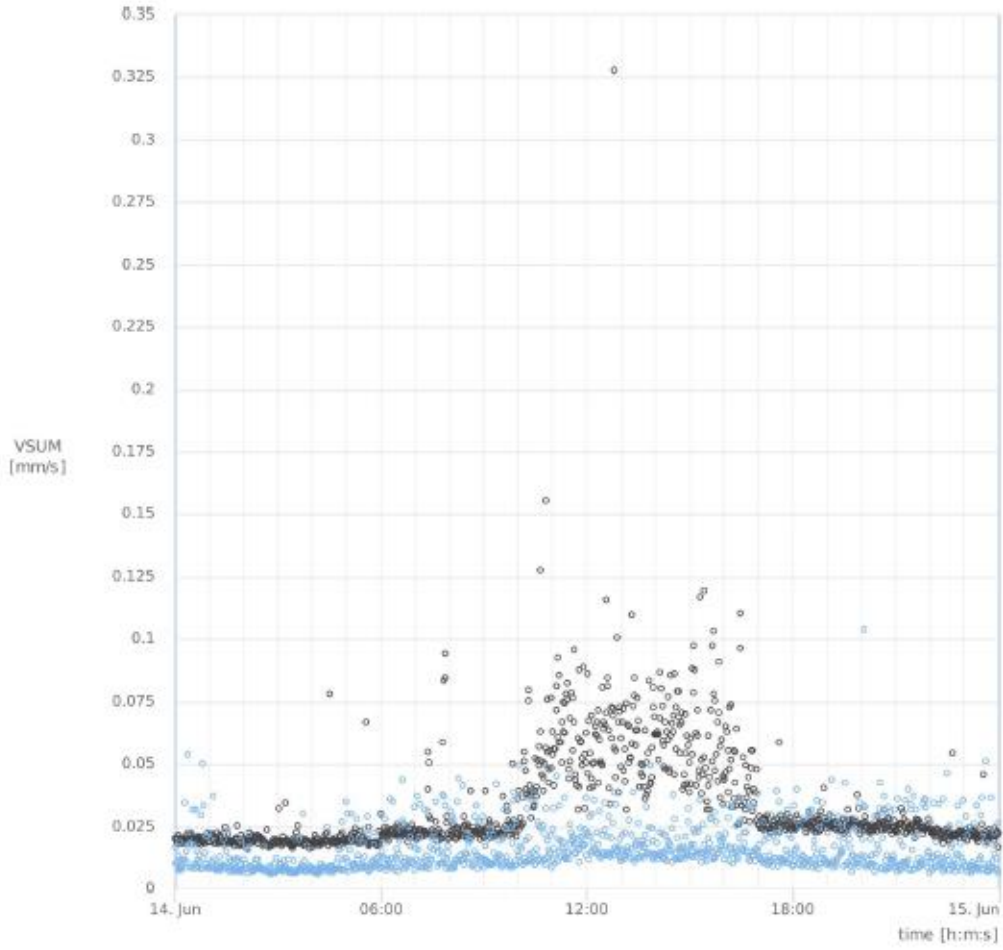


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

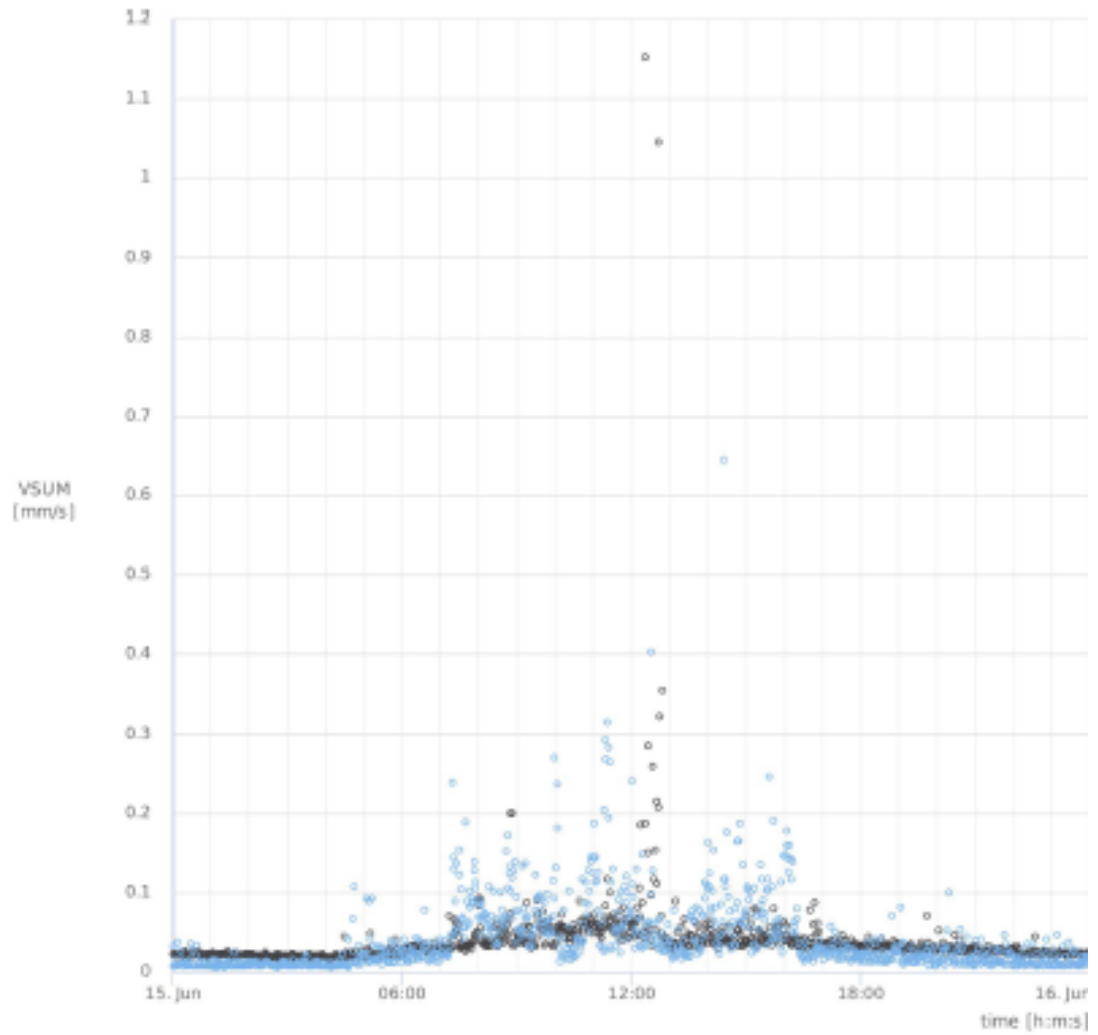


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

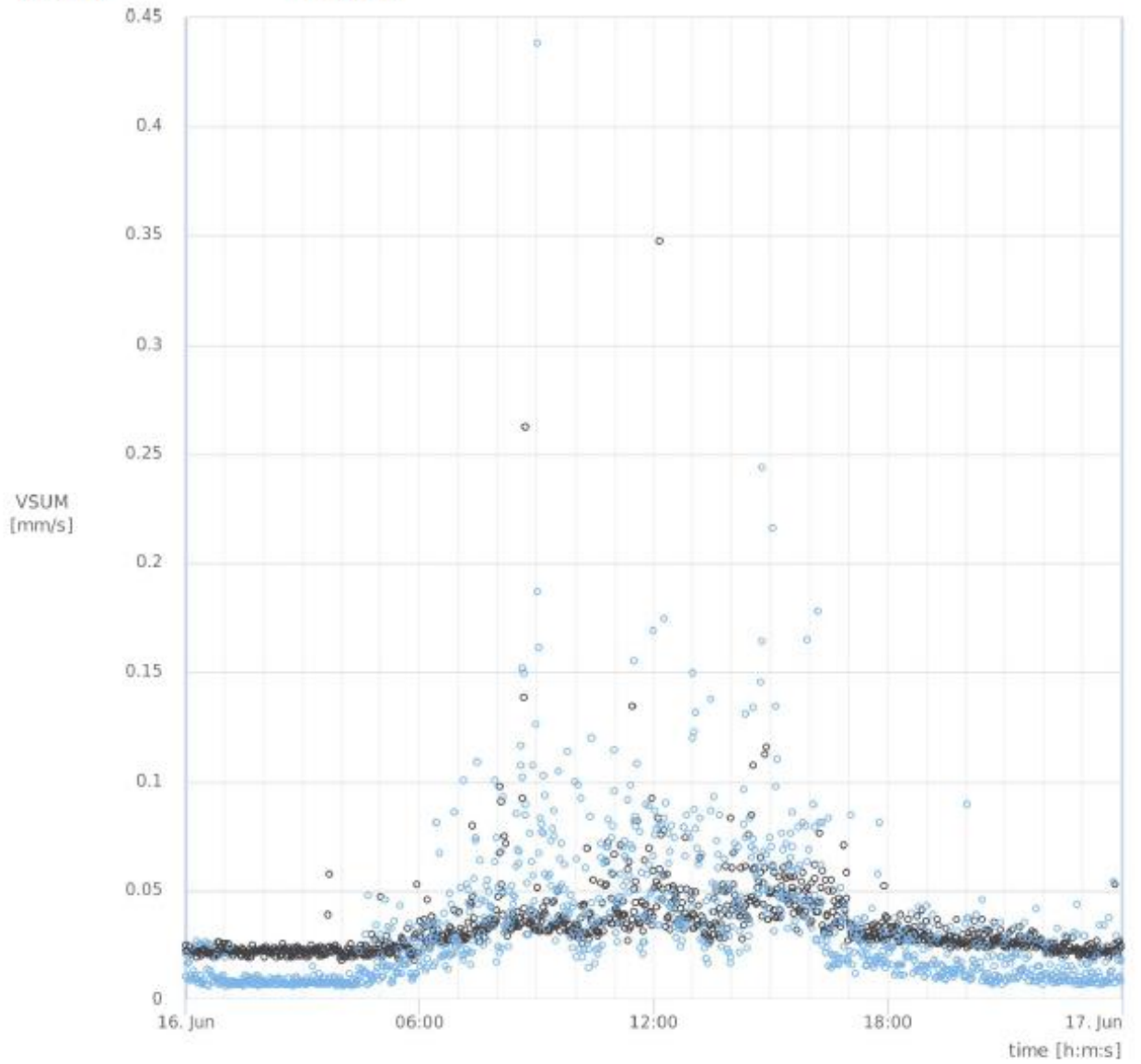


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

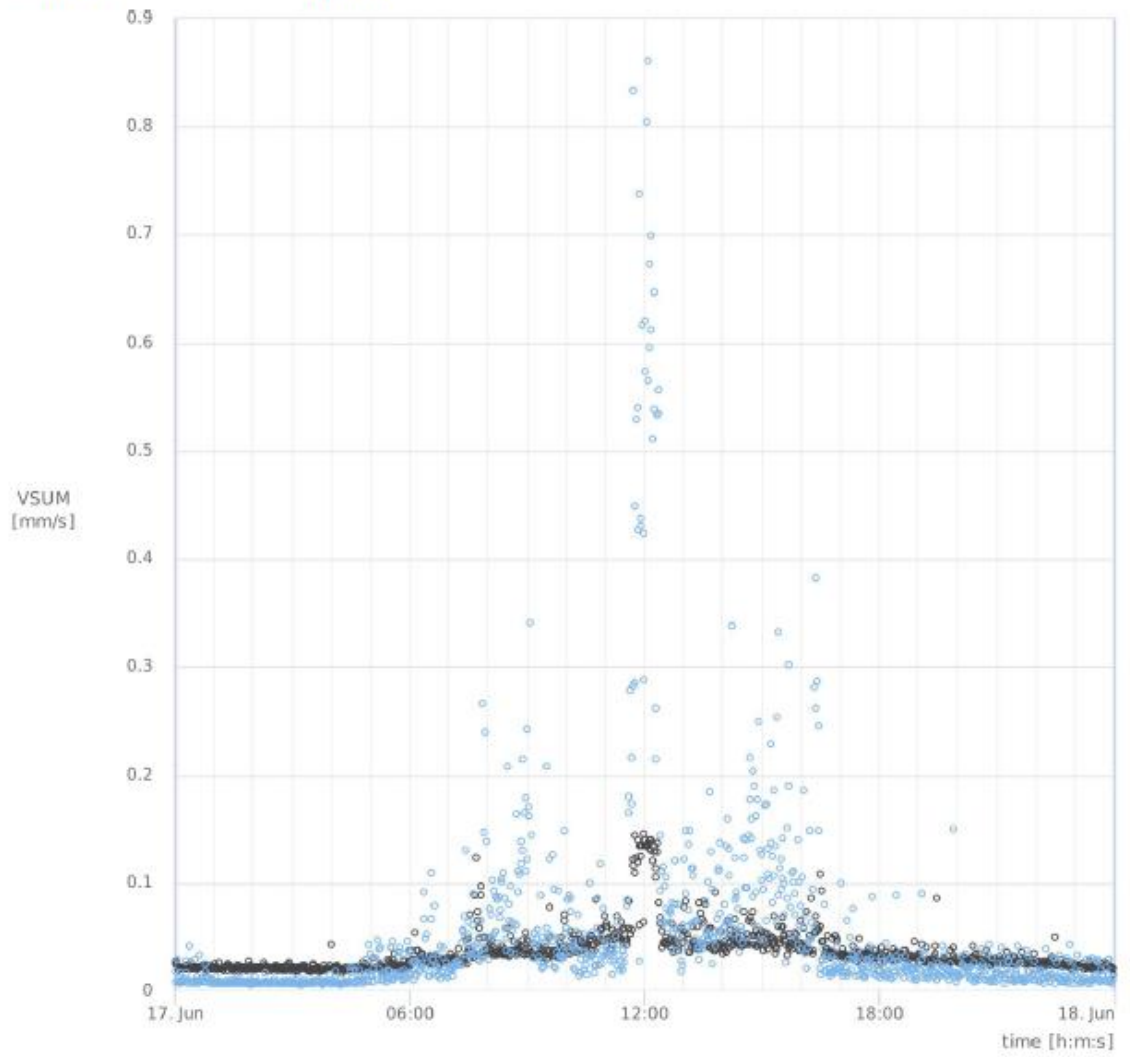


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

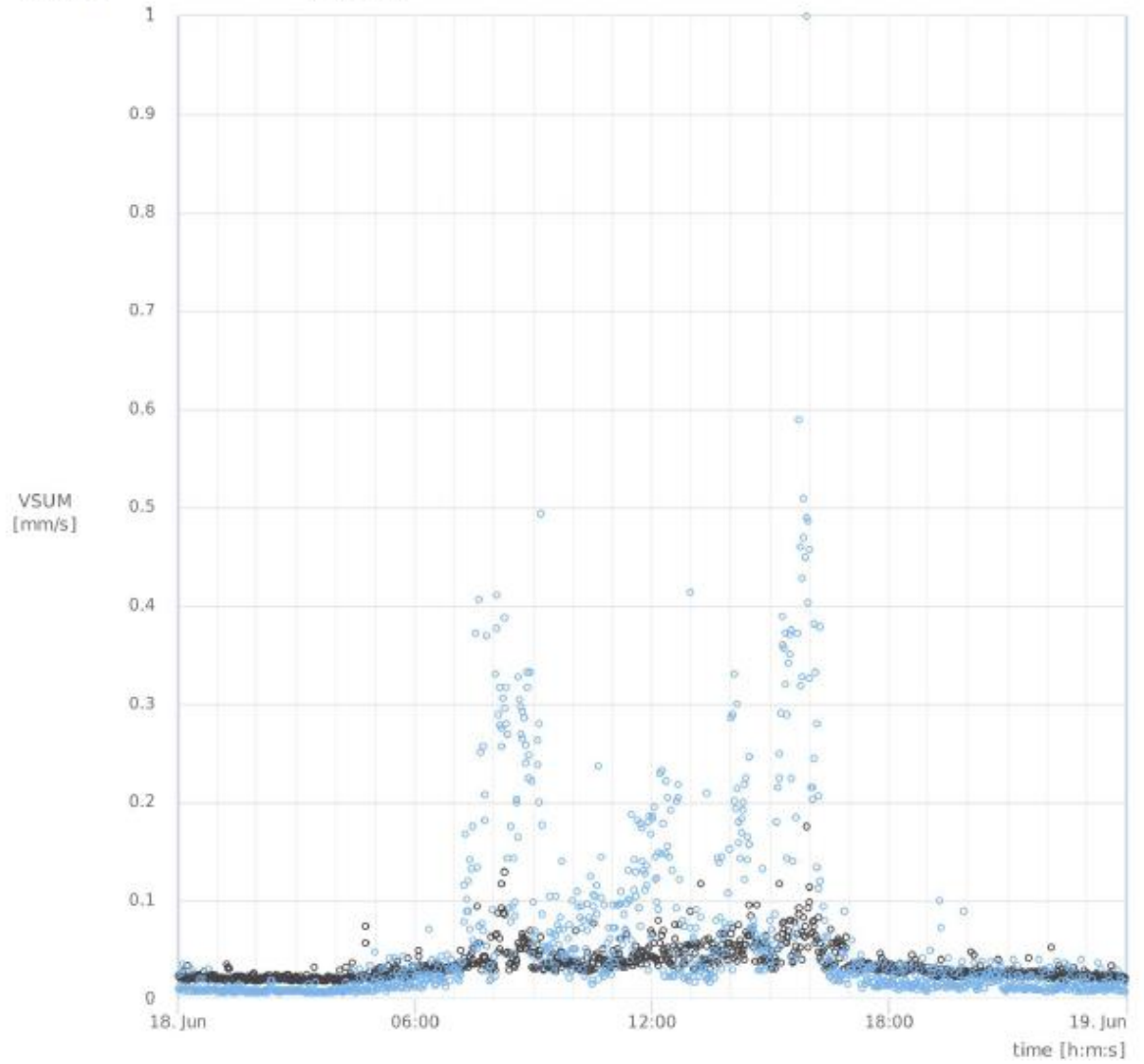


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001



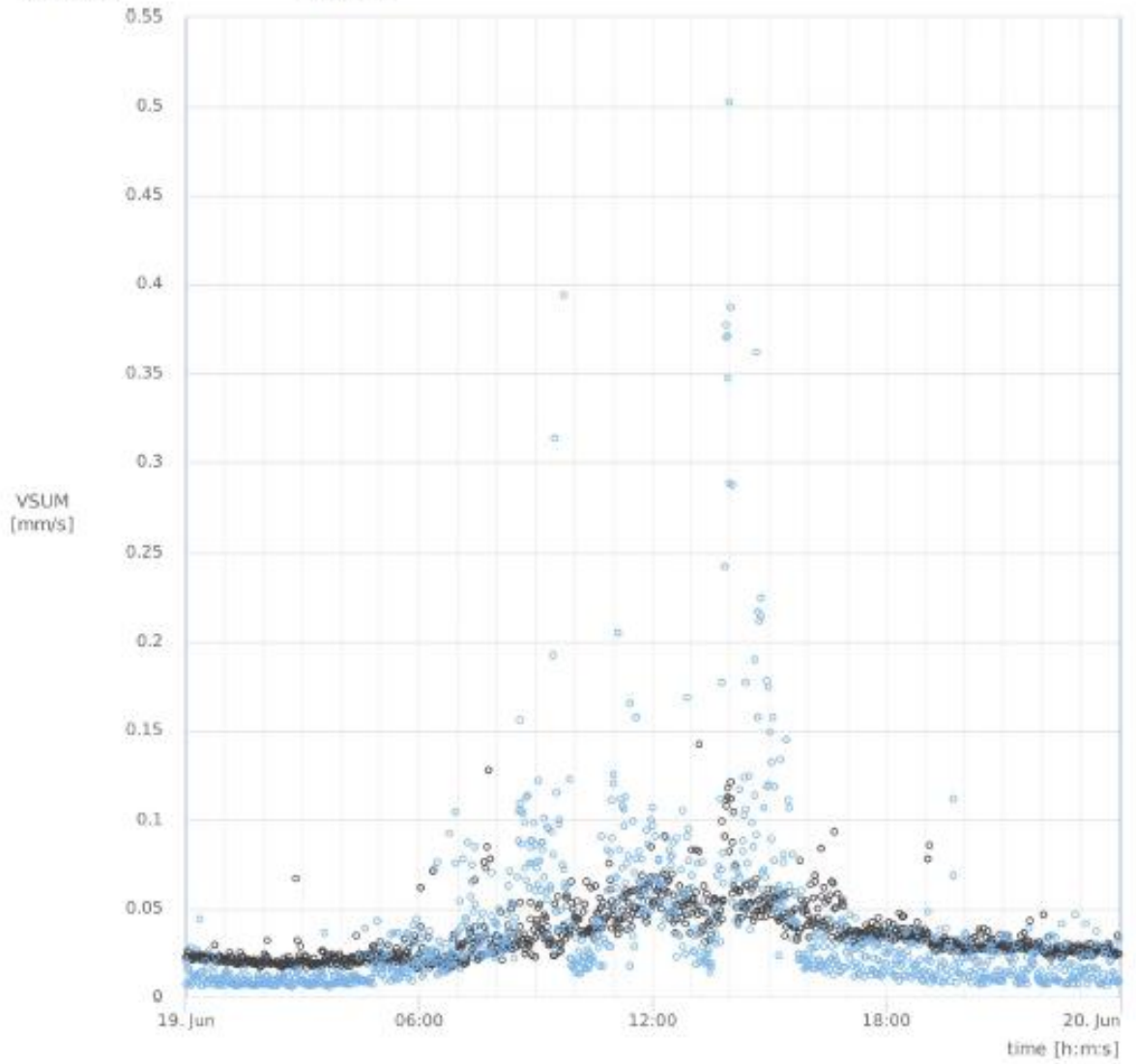


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

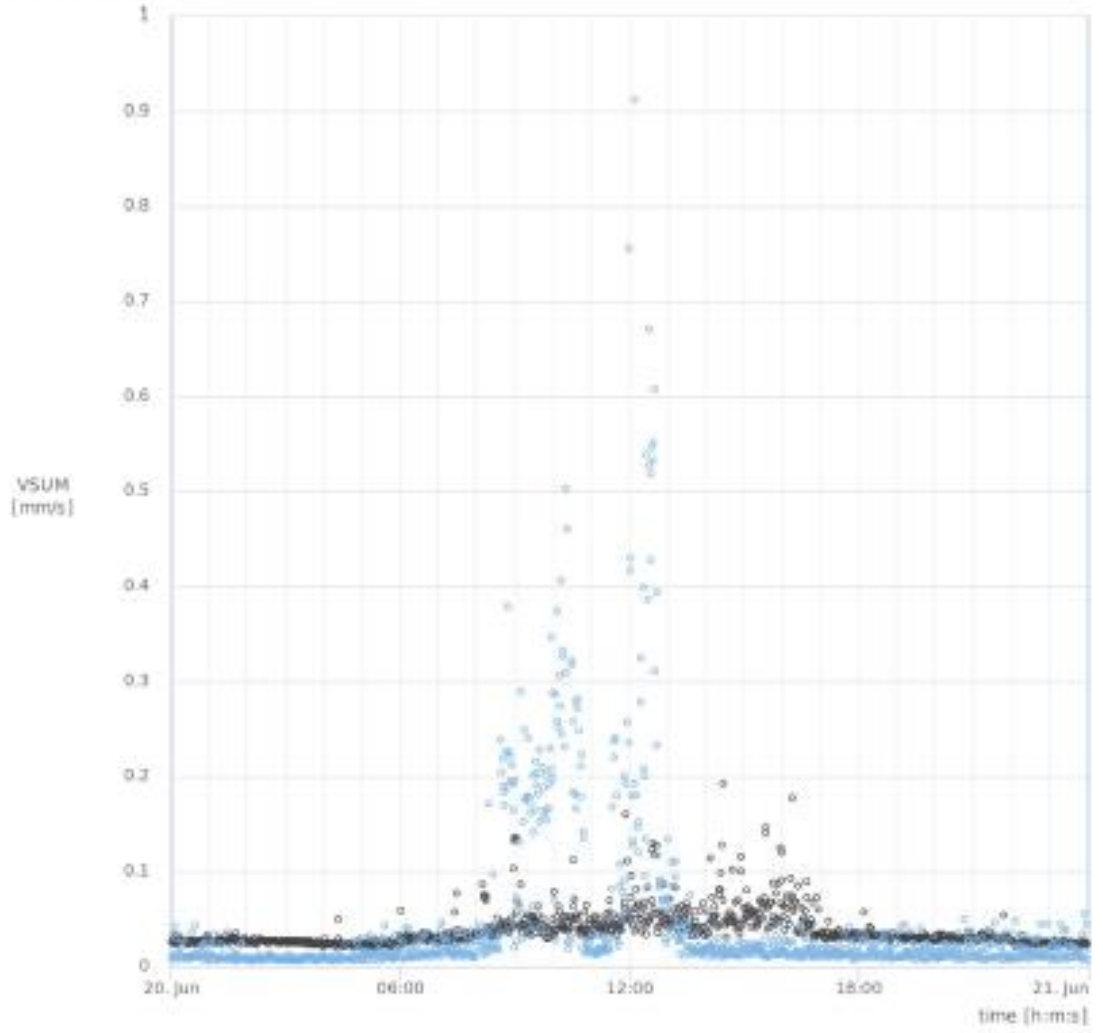


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

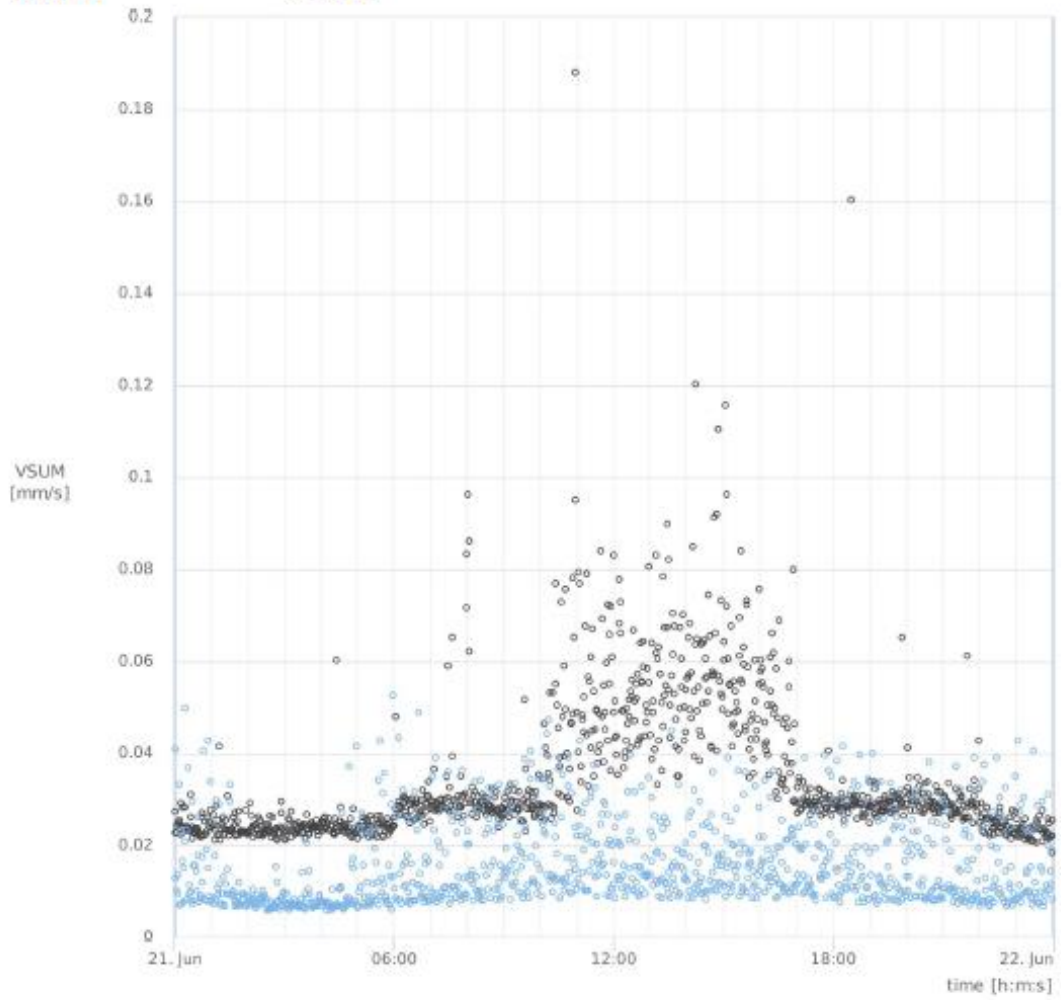


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

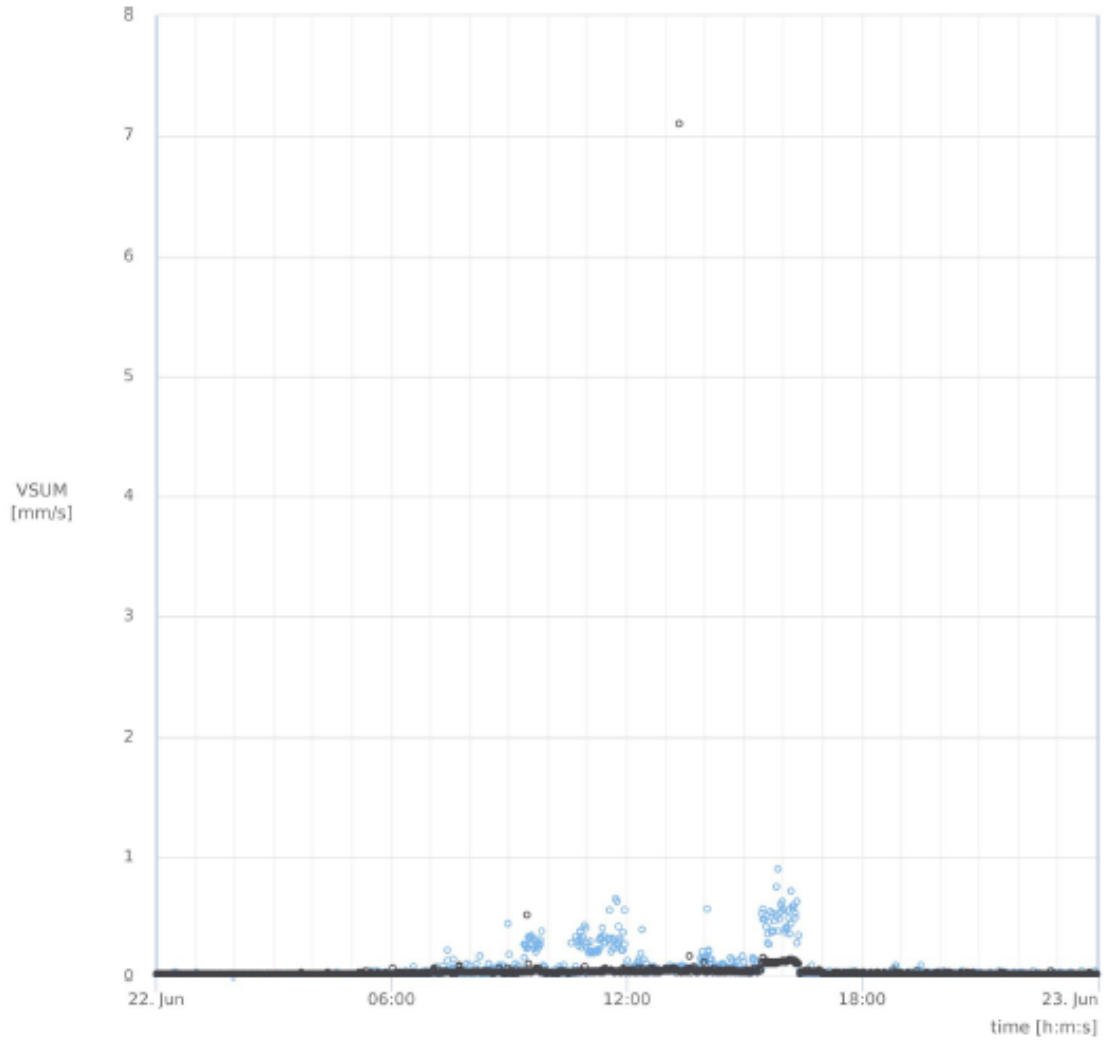


Vector Sum Plot

Devices

◆ mr3000-19270000  
19270000

● mr3000-19270001  
19270001

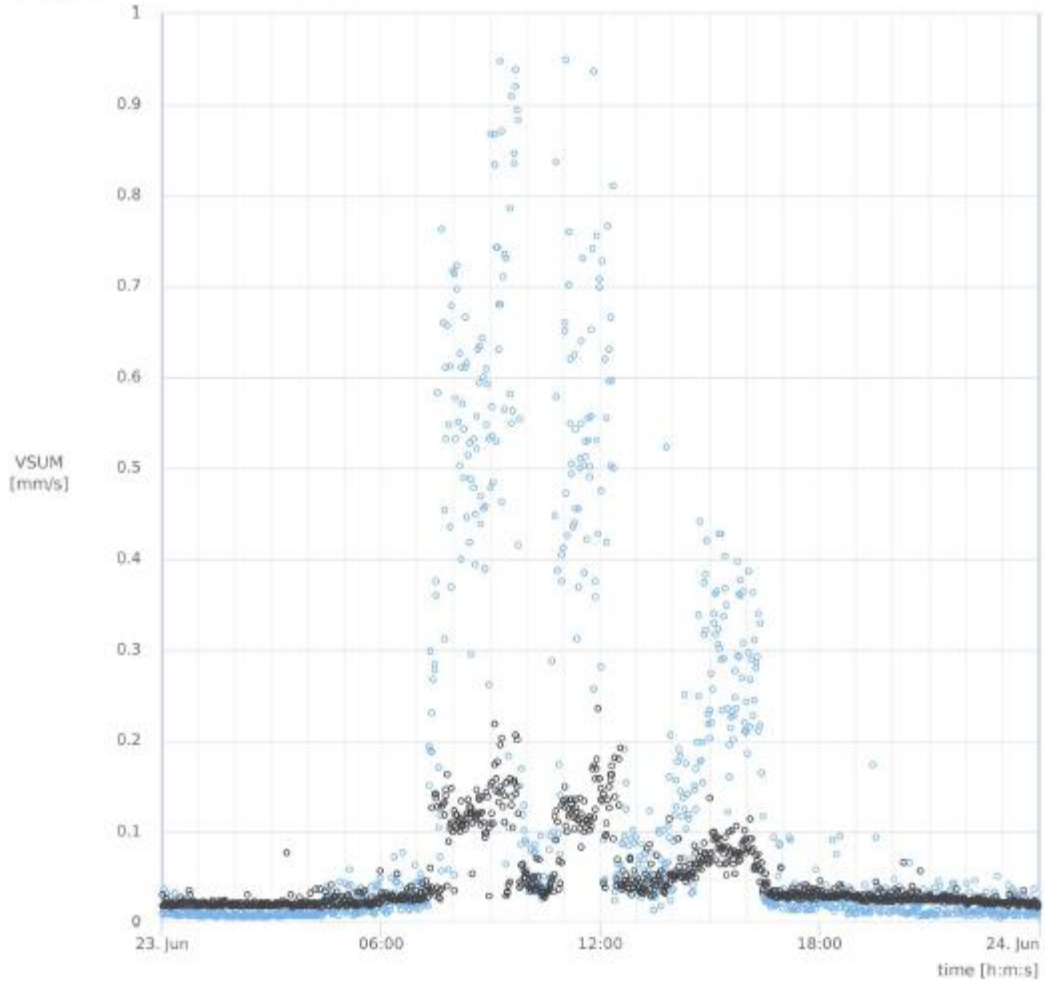


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

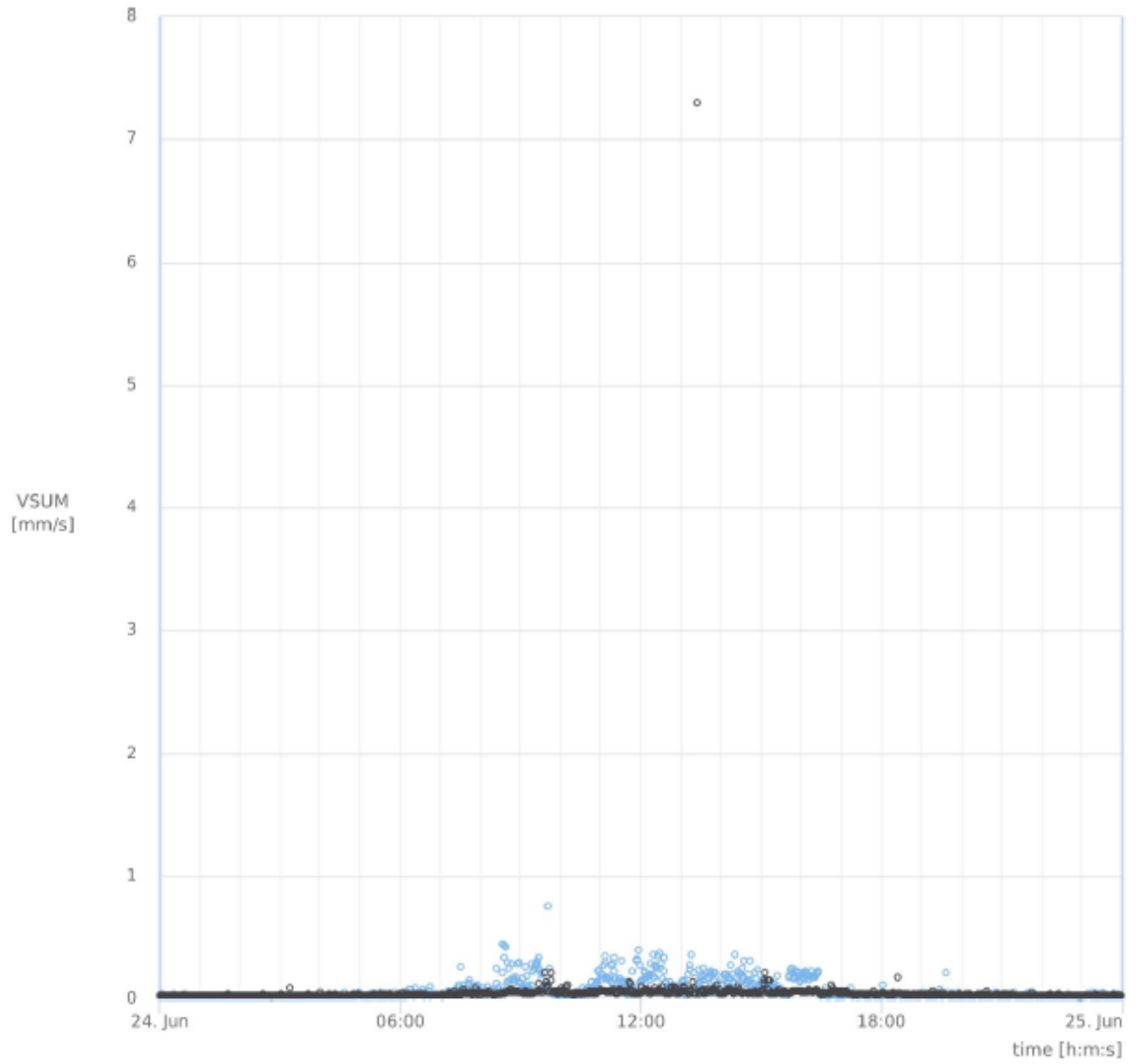


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

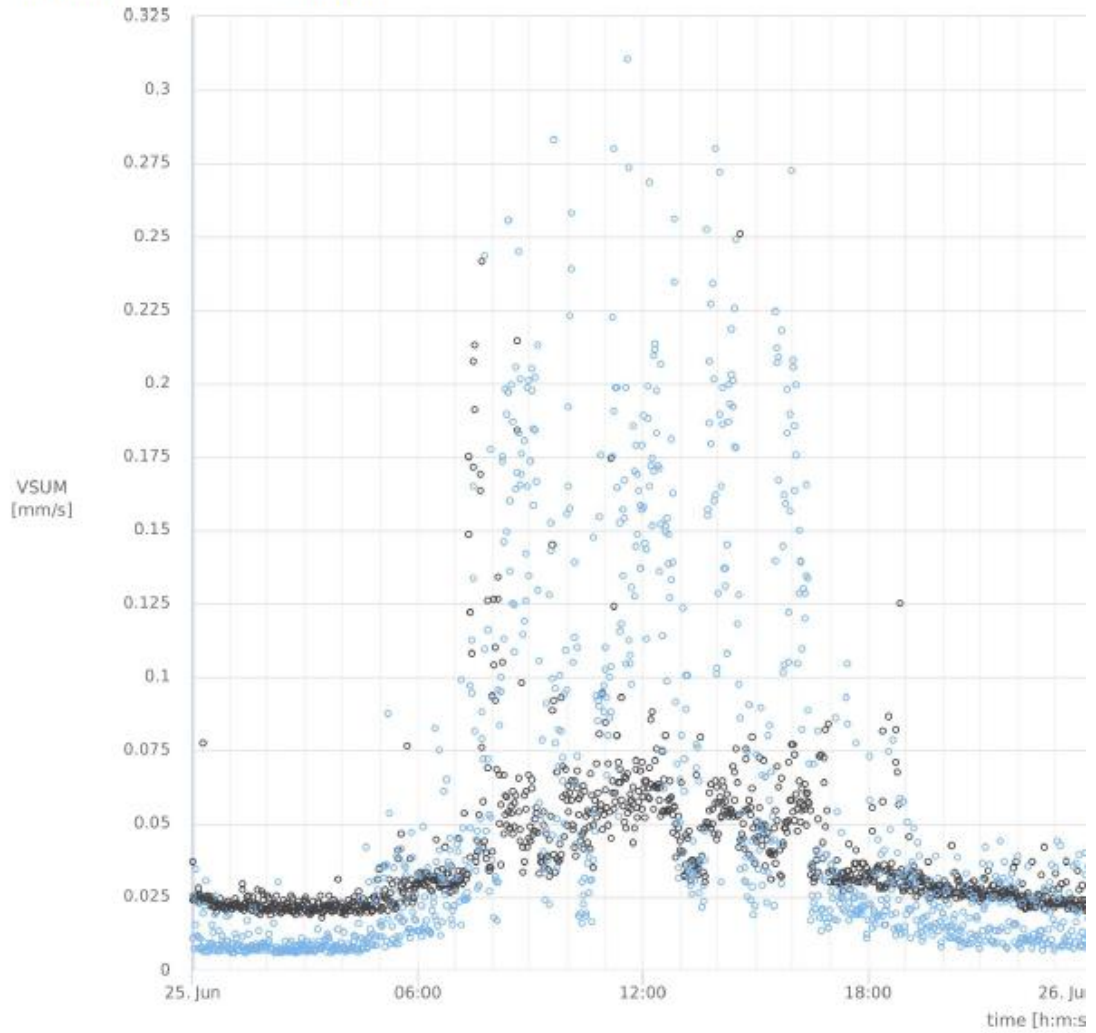


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

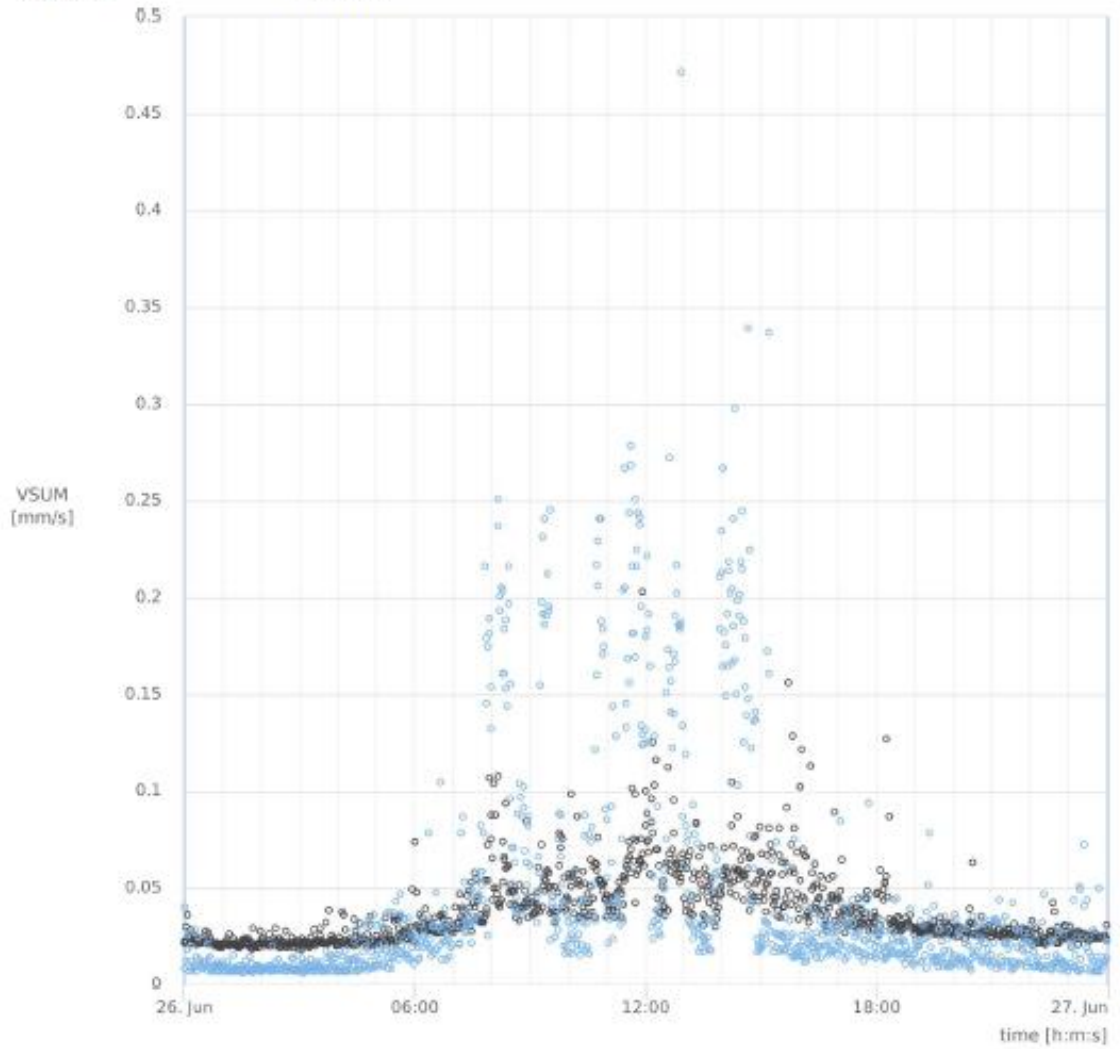


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001



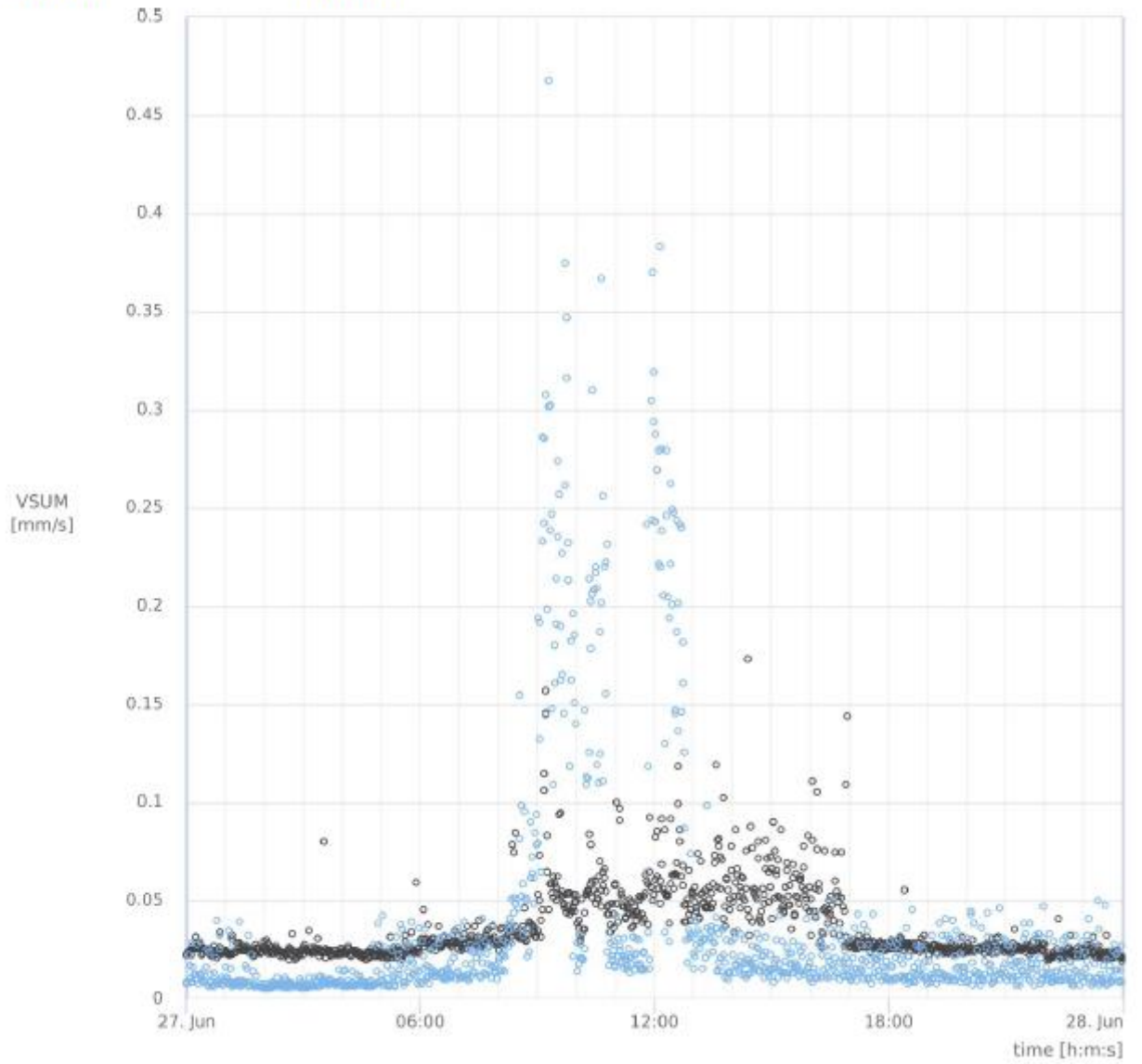


### Vector Sum Plot

#### Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

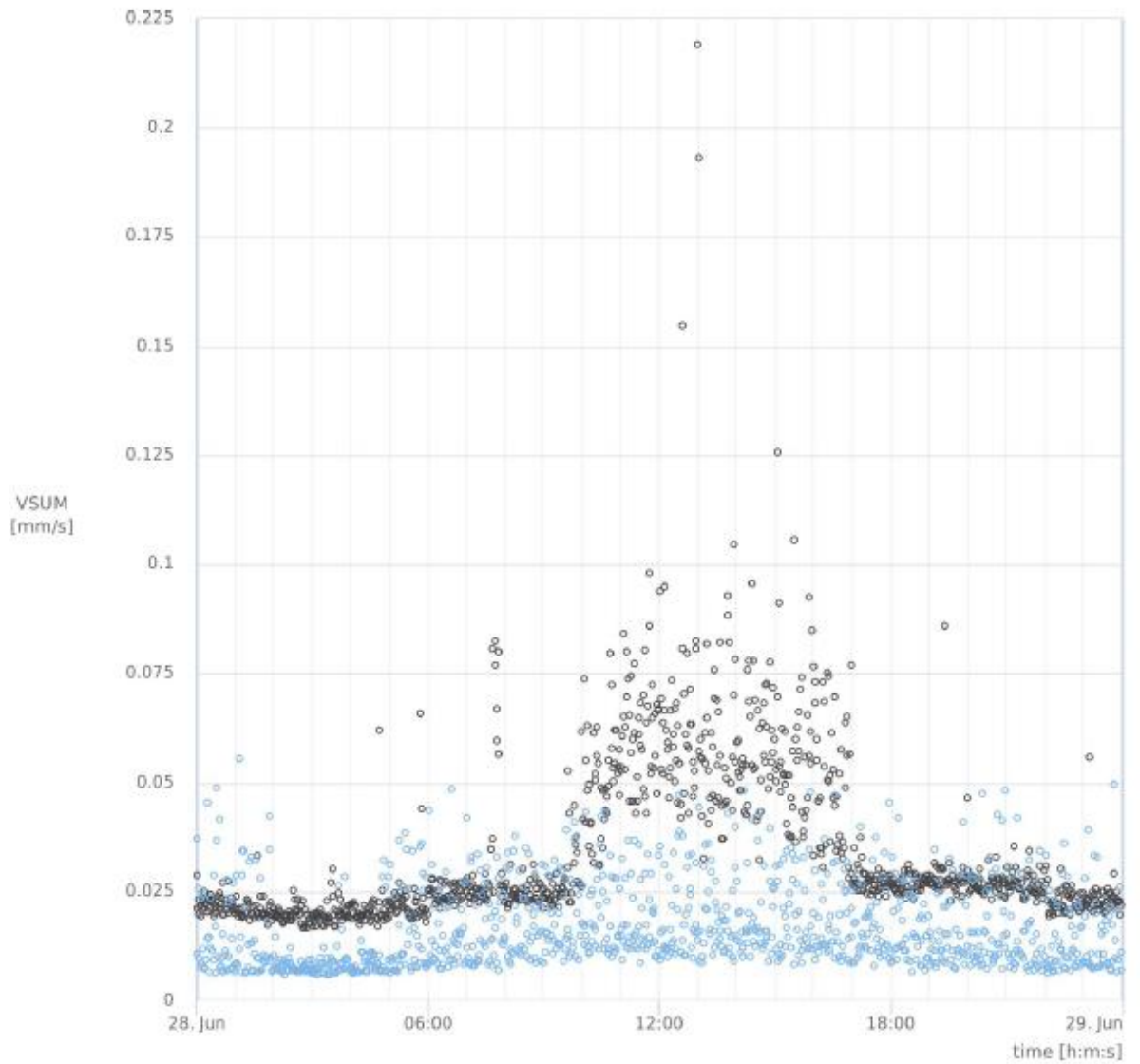


Vector Sum Plot

Devices

● mr3000-19270000  
19270000

● mr3000-19270001  
19270001

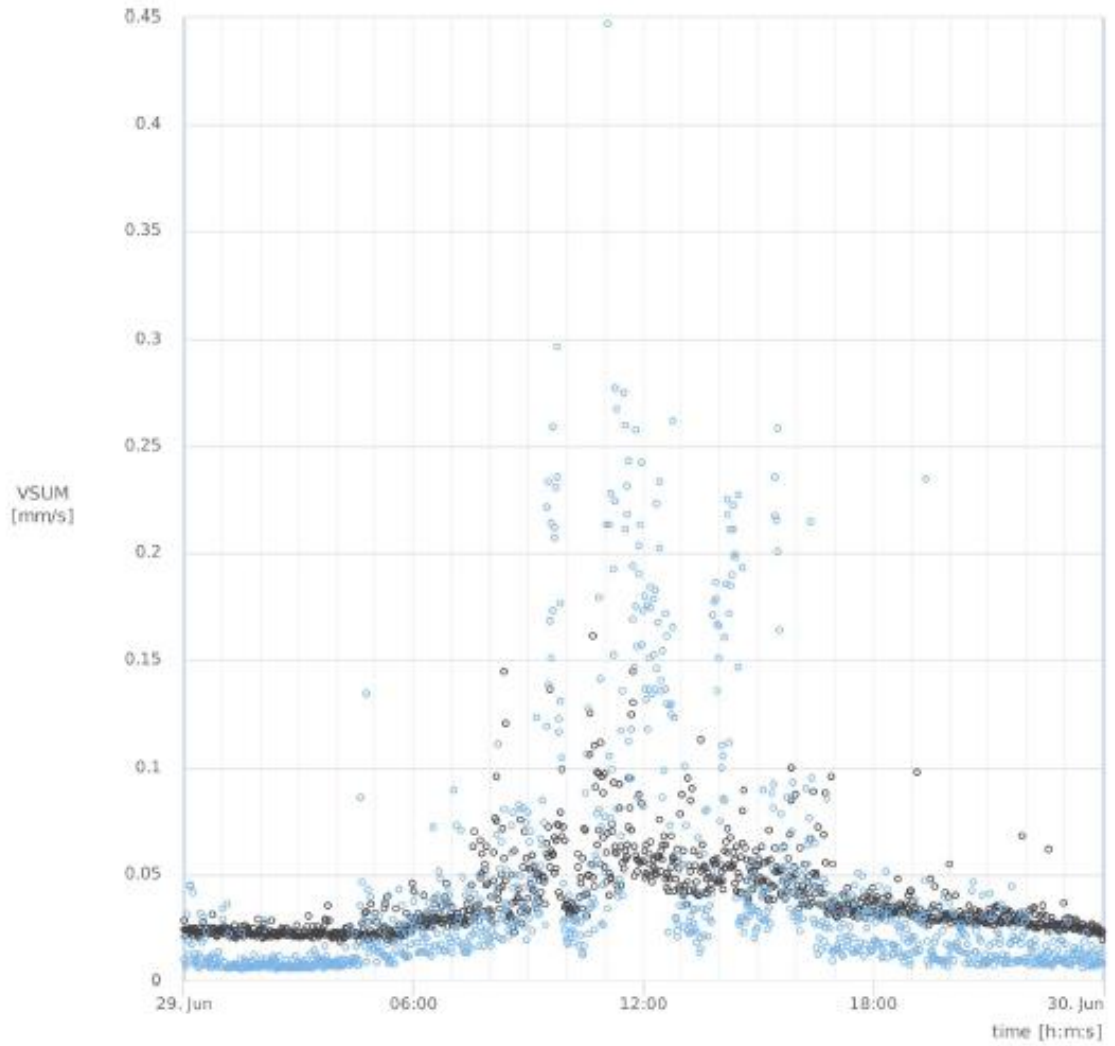


Vector Sum Plot

Devices

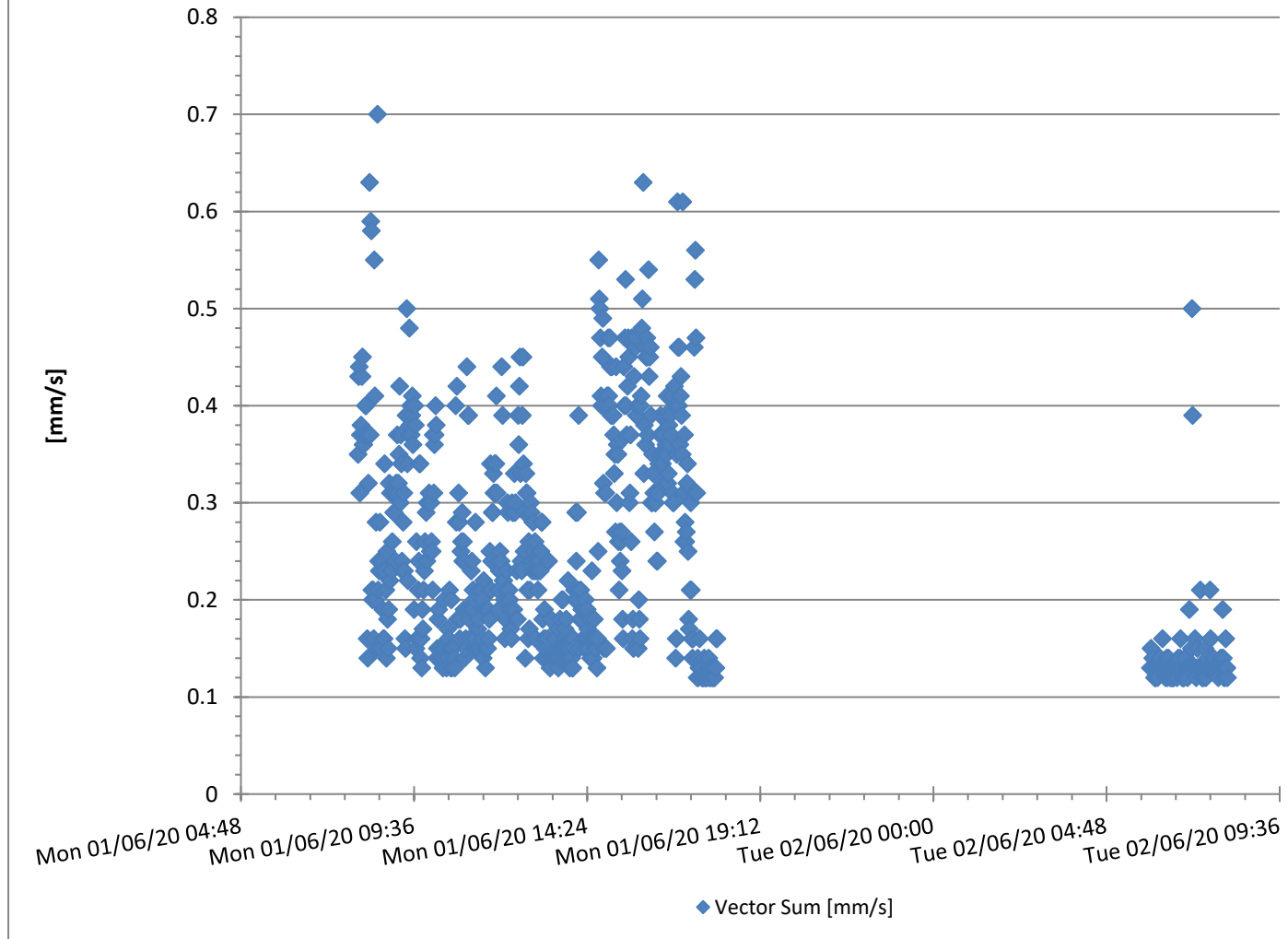
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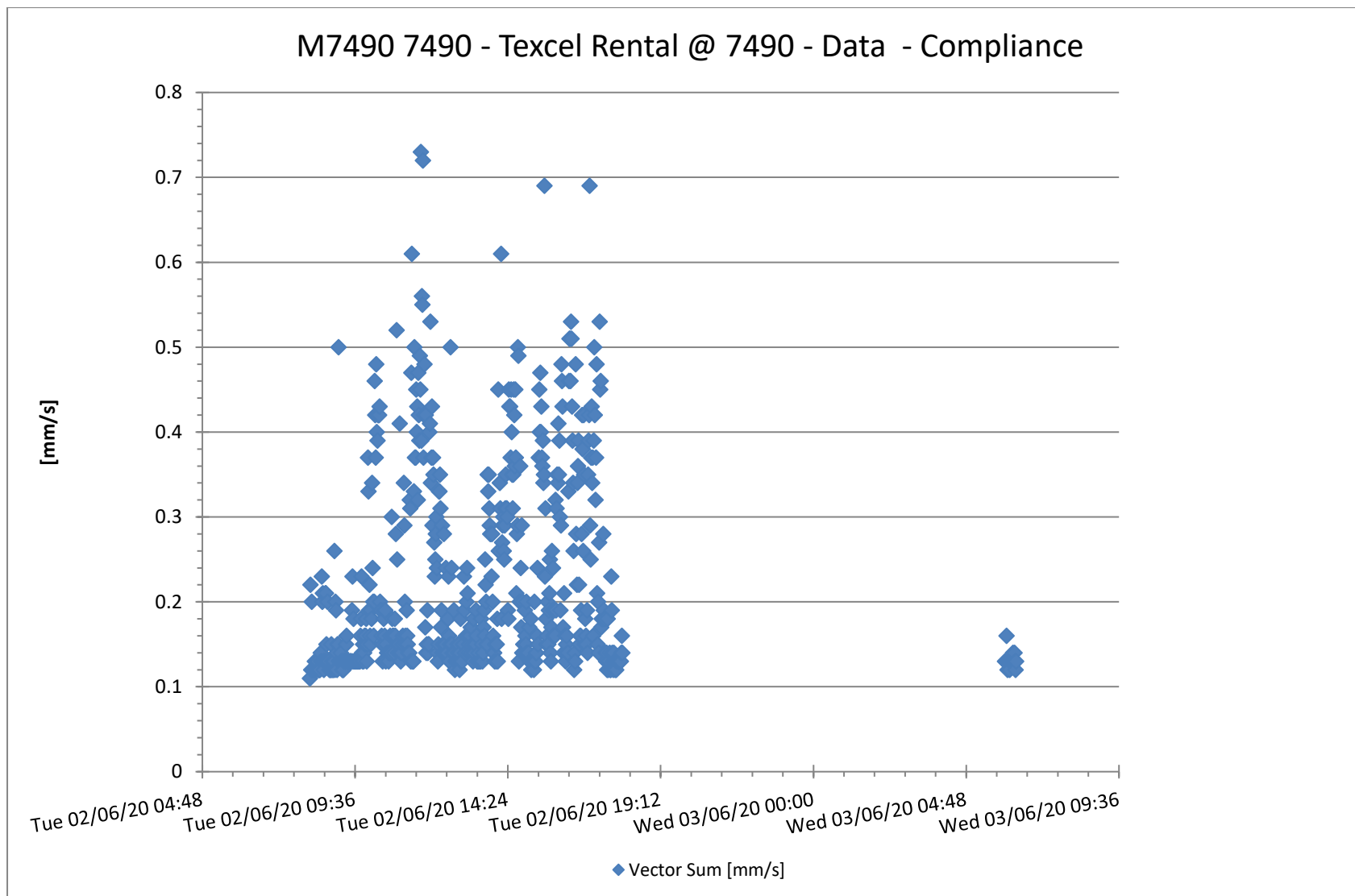


## **15 Appendix I – Logger Location 7 – Monitor 7490**

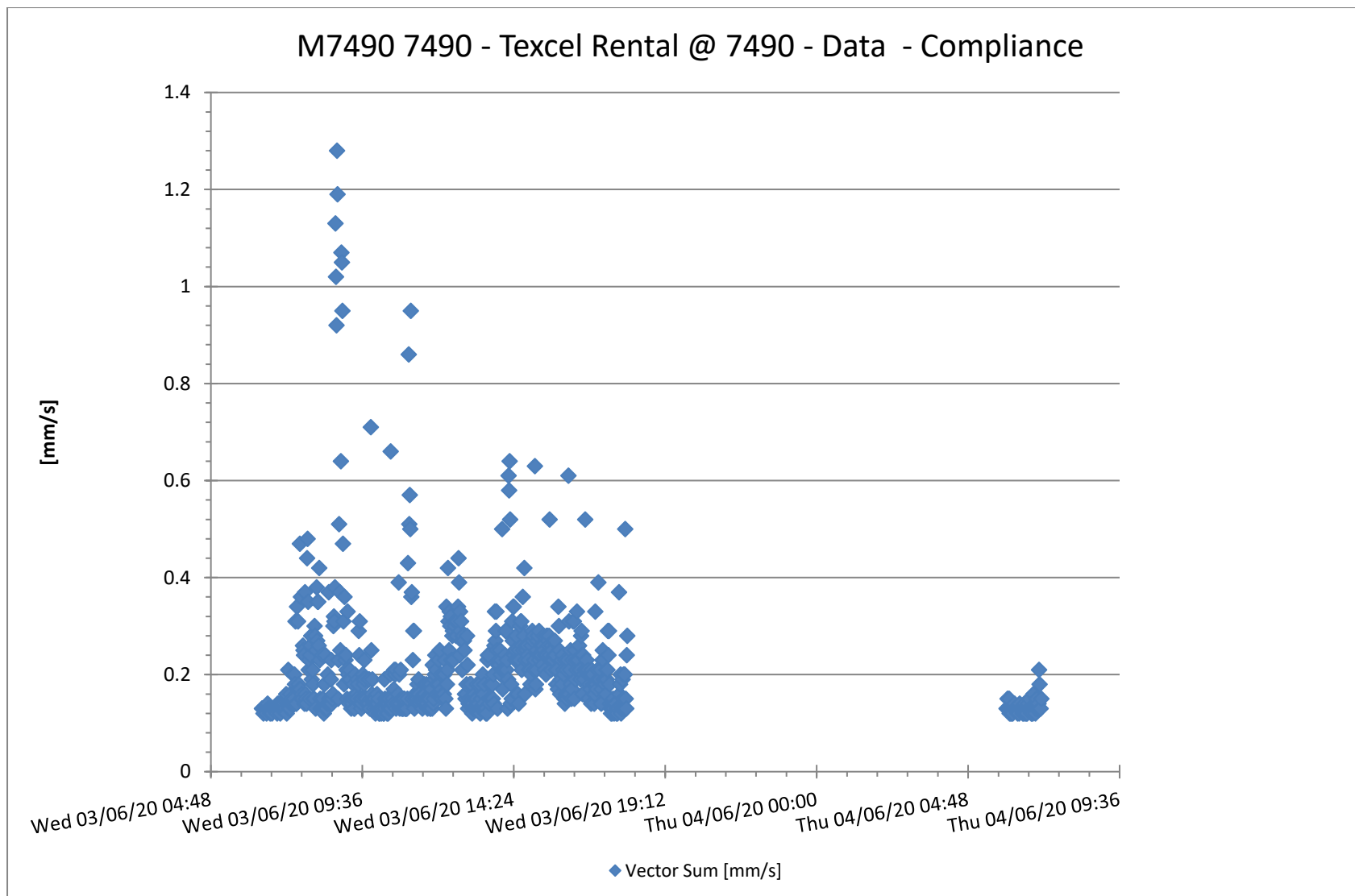
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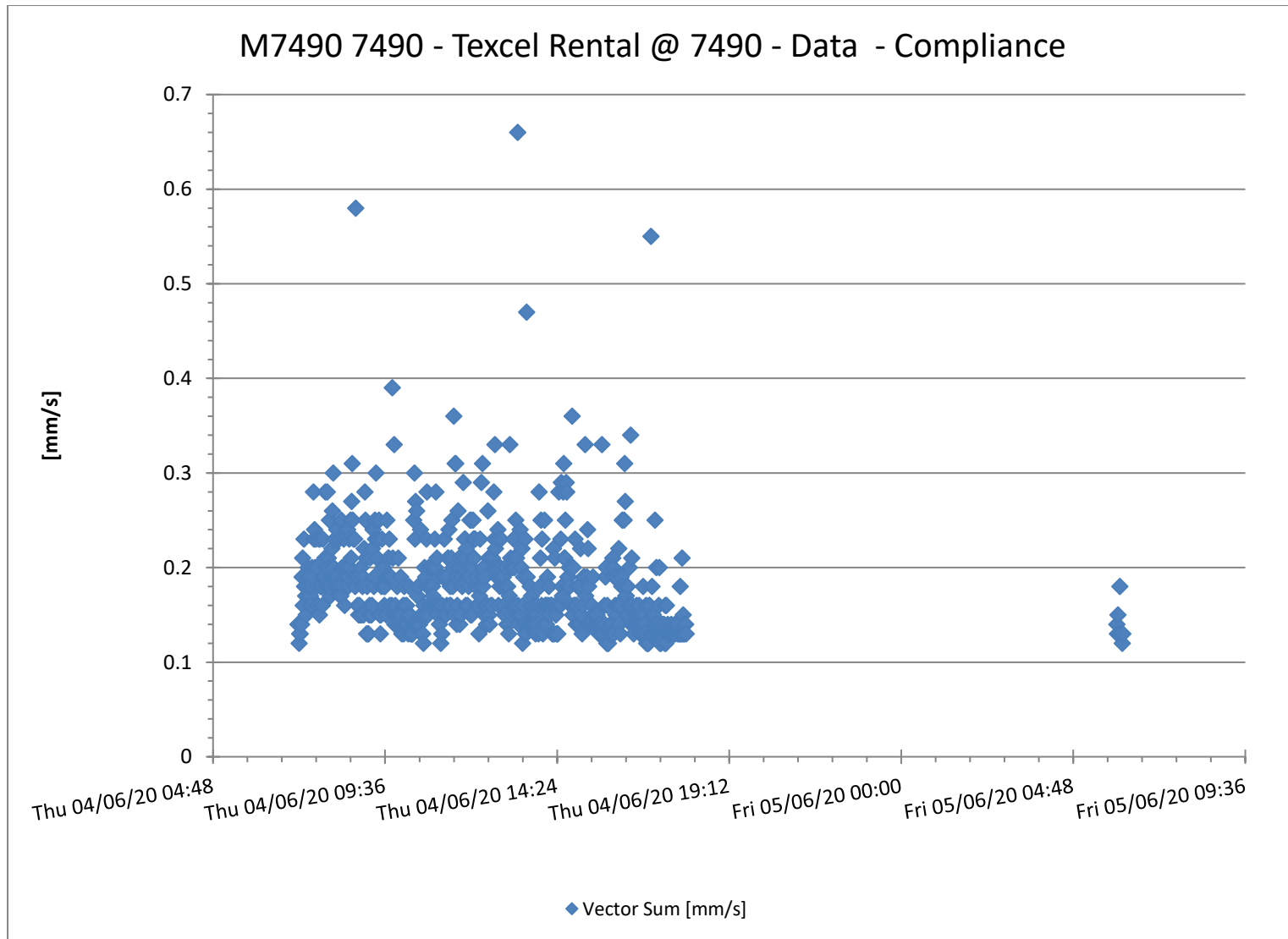


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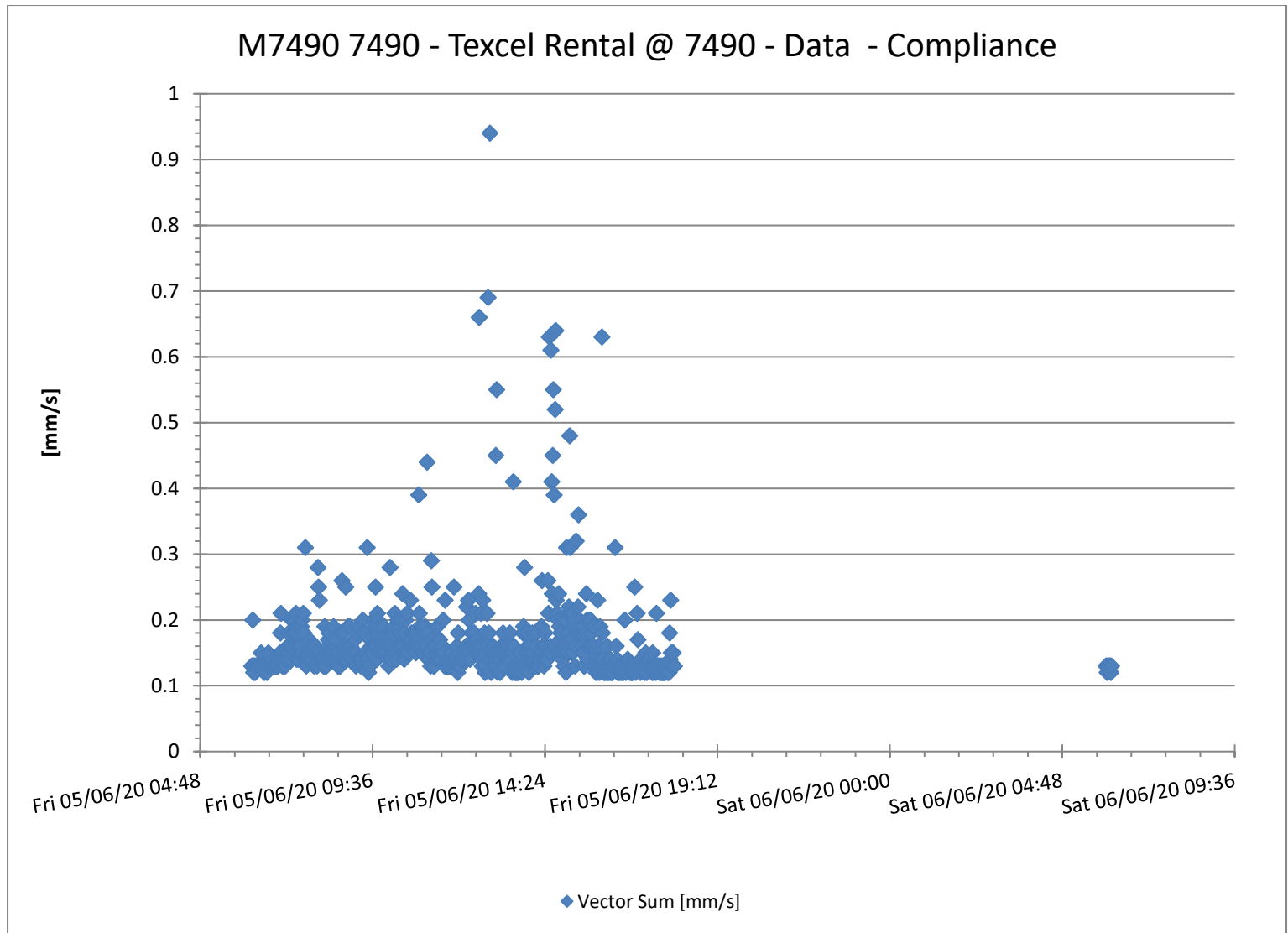


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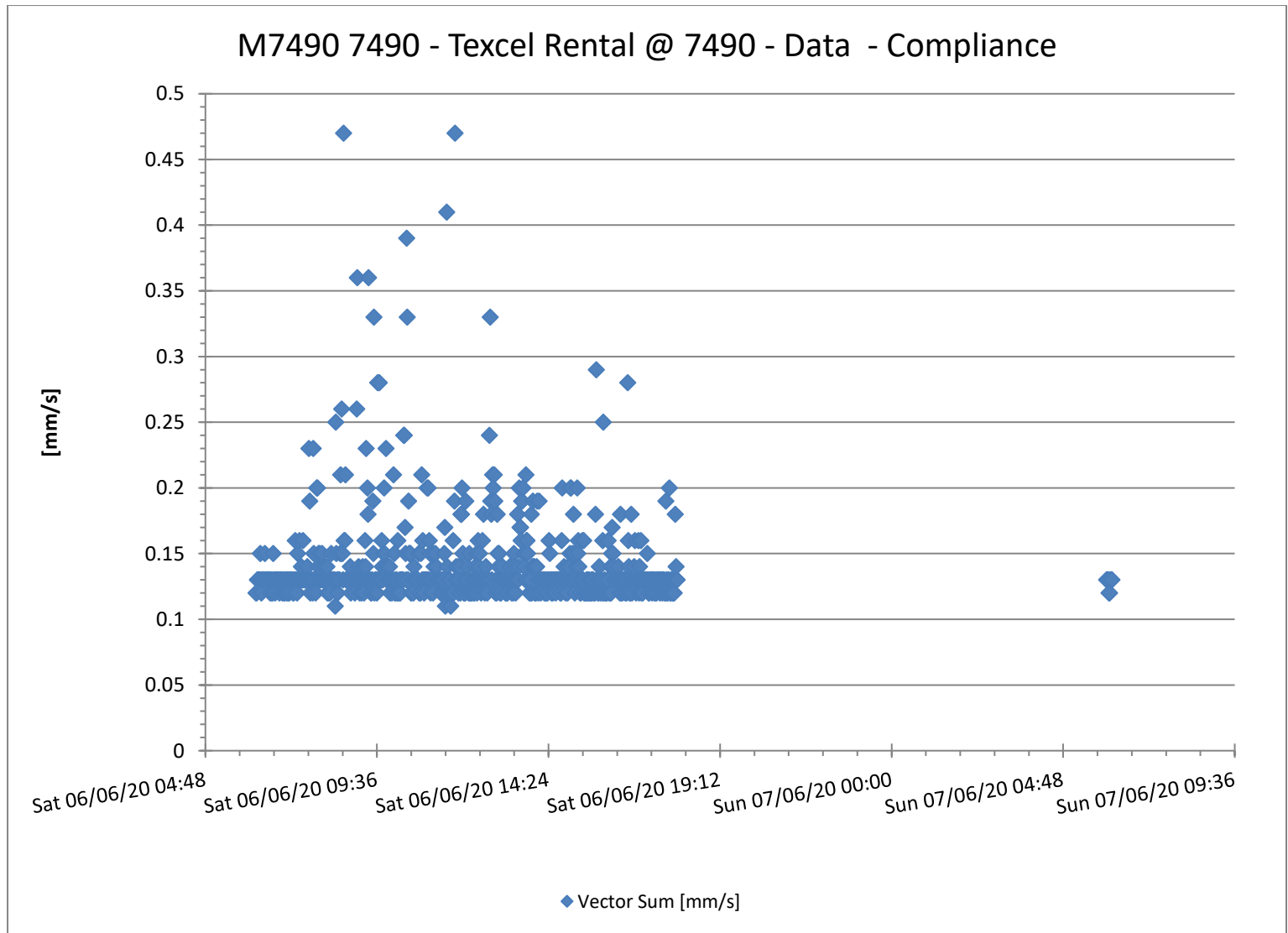




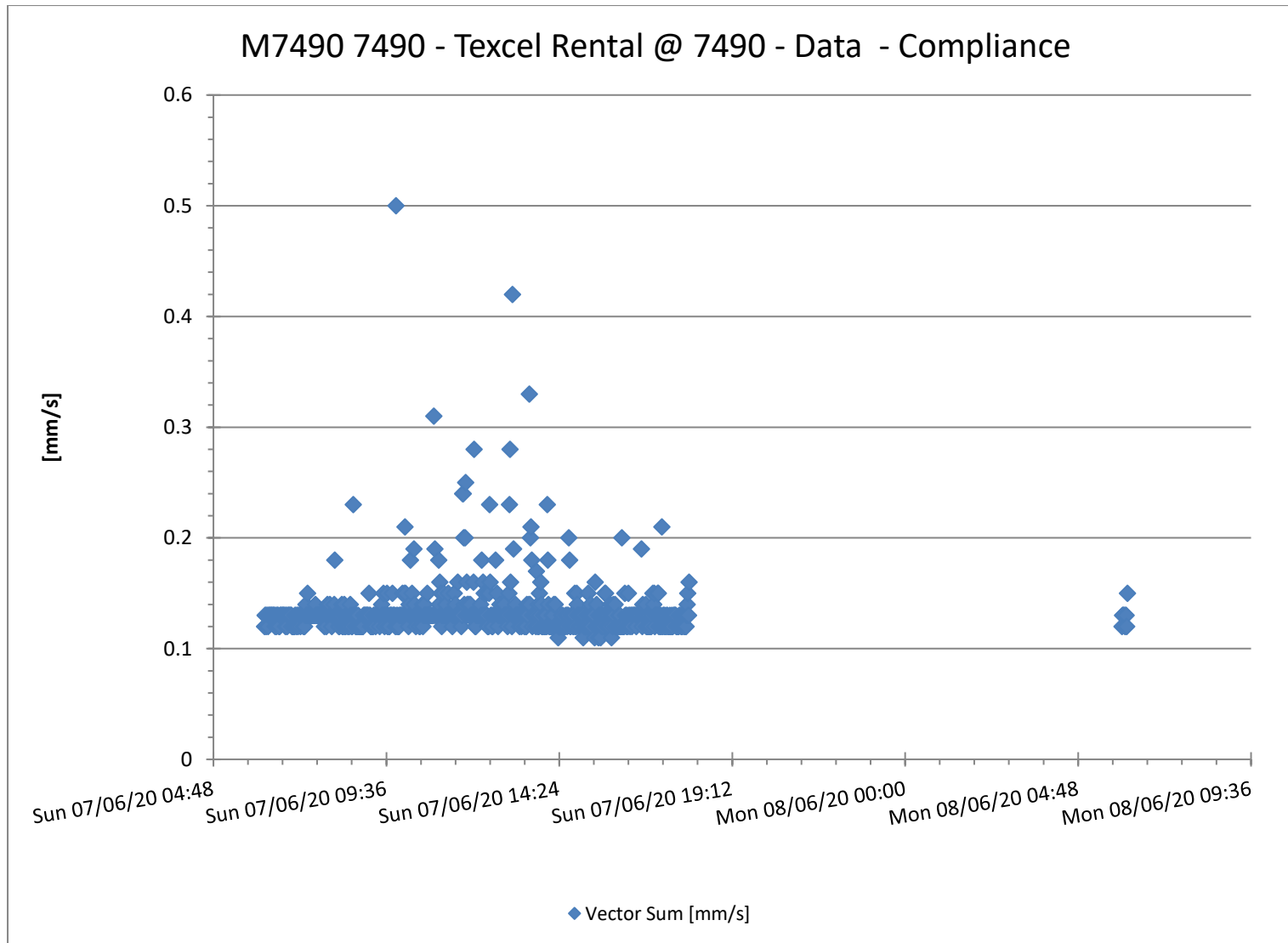




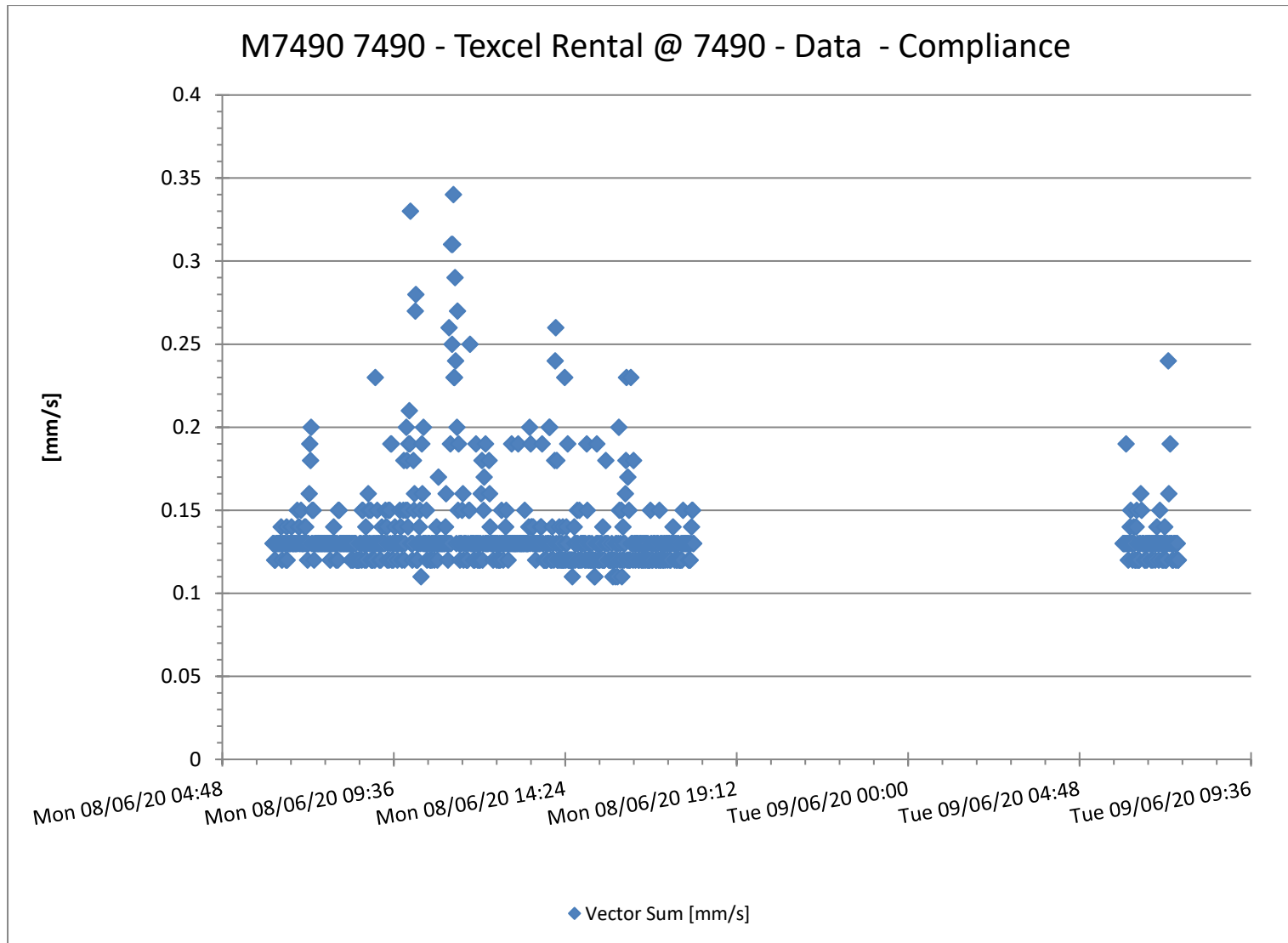
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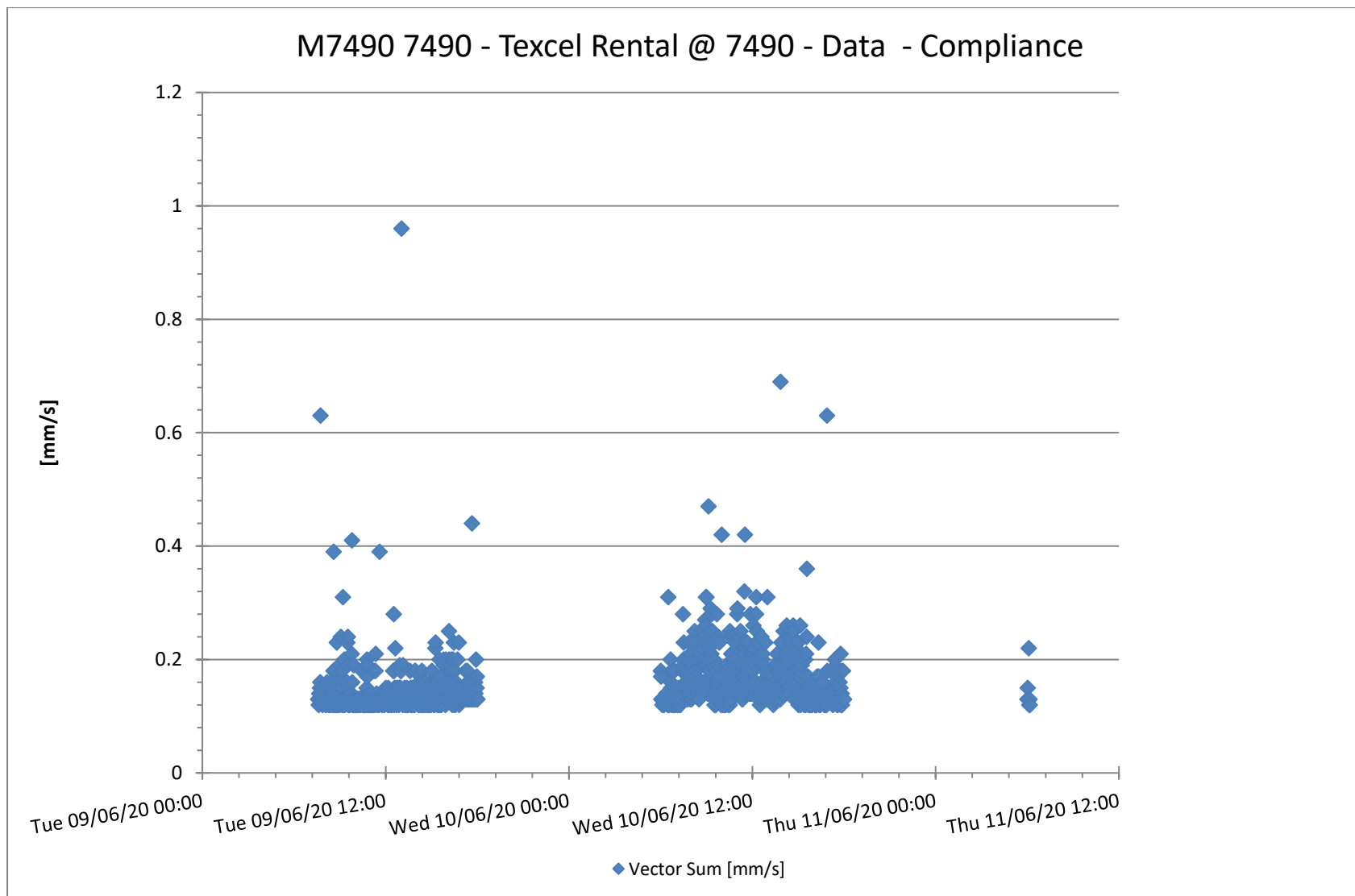
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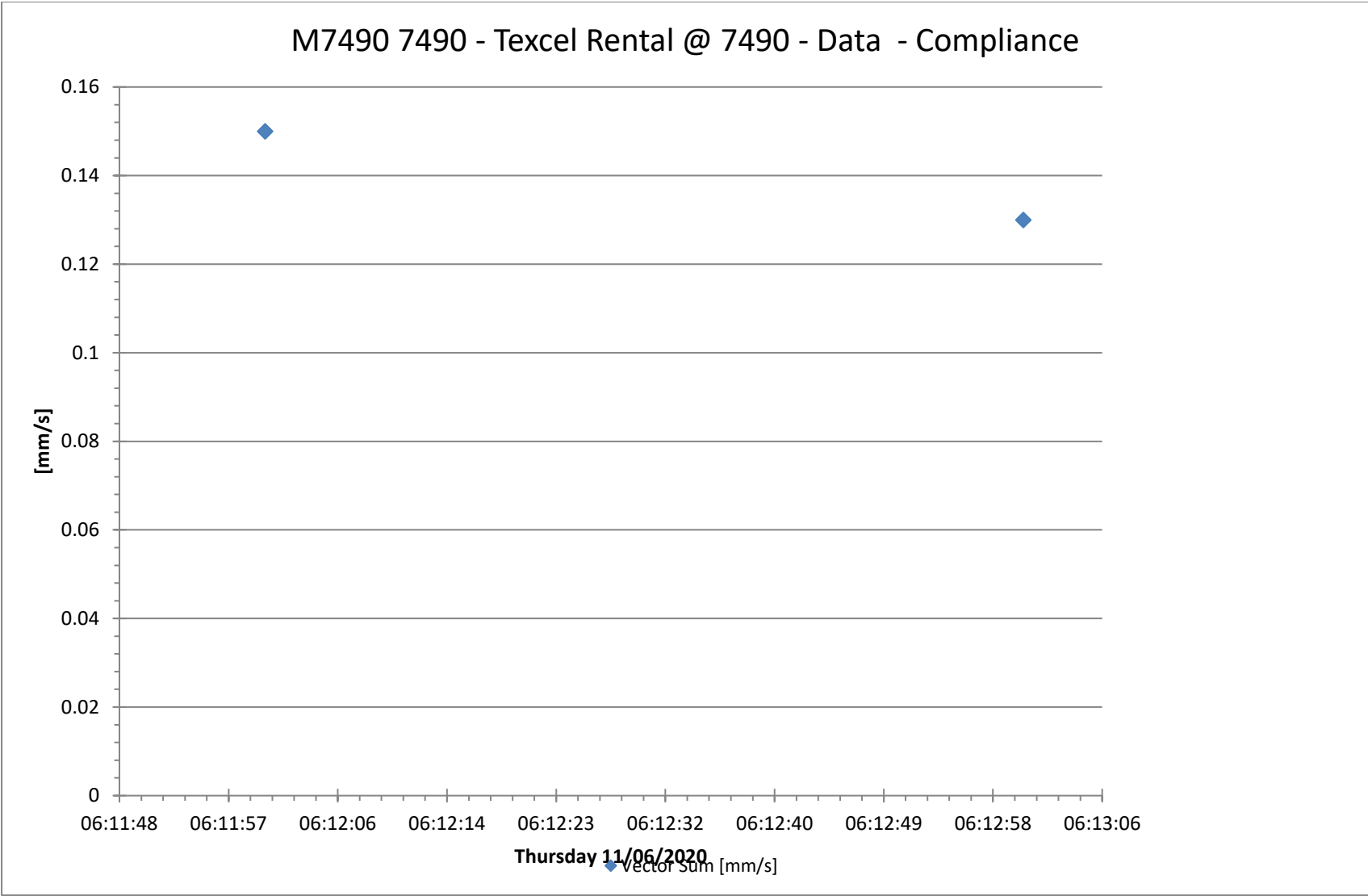
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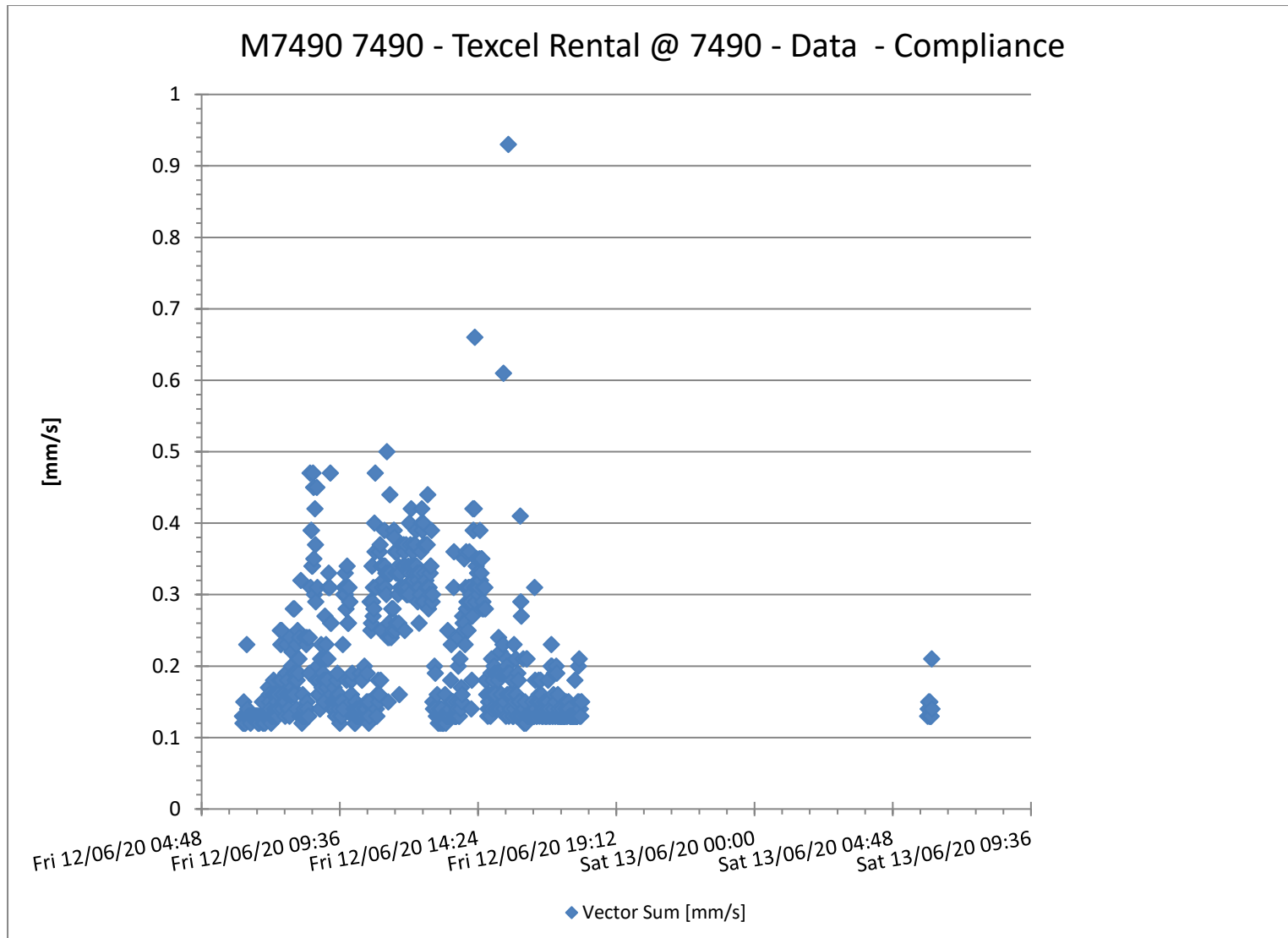


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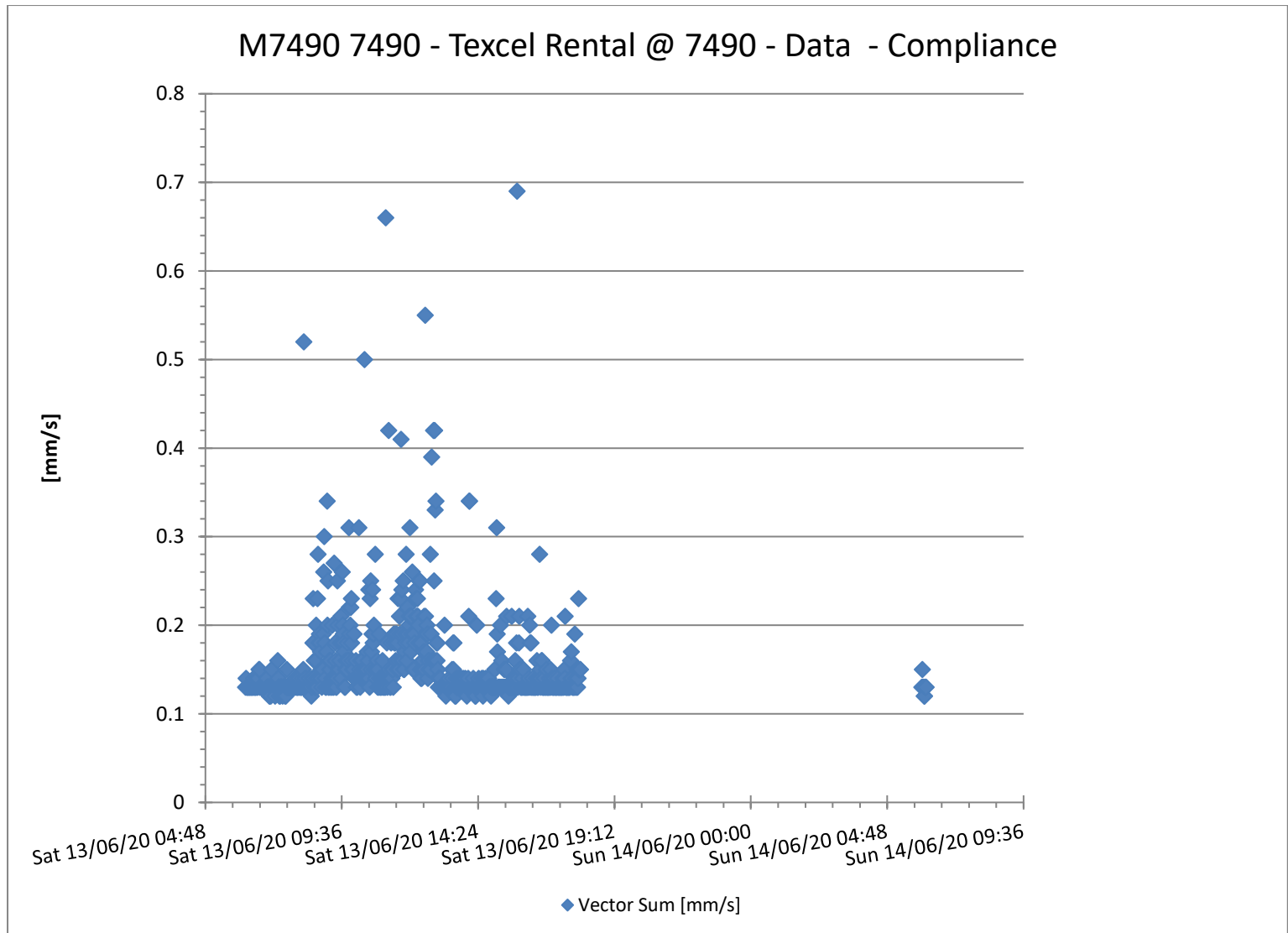


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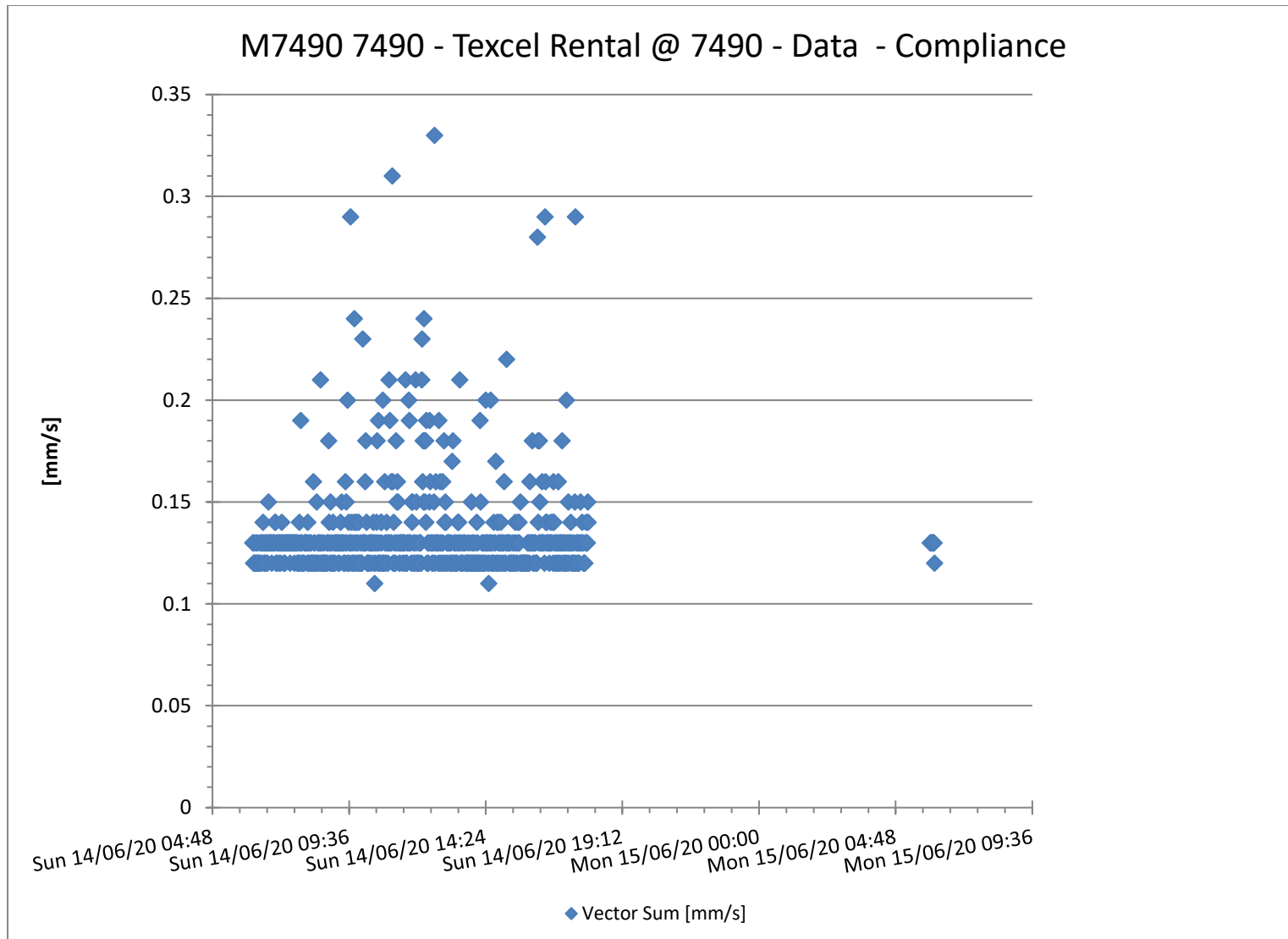


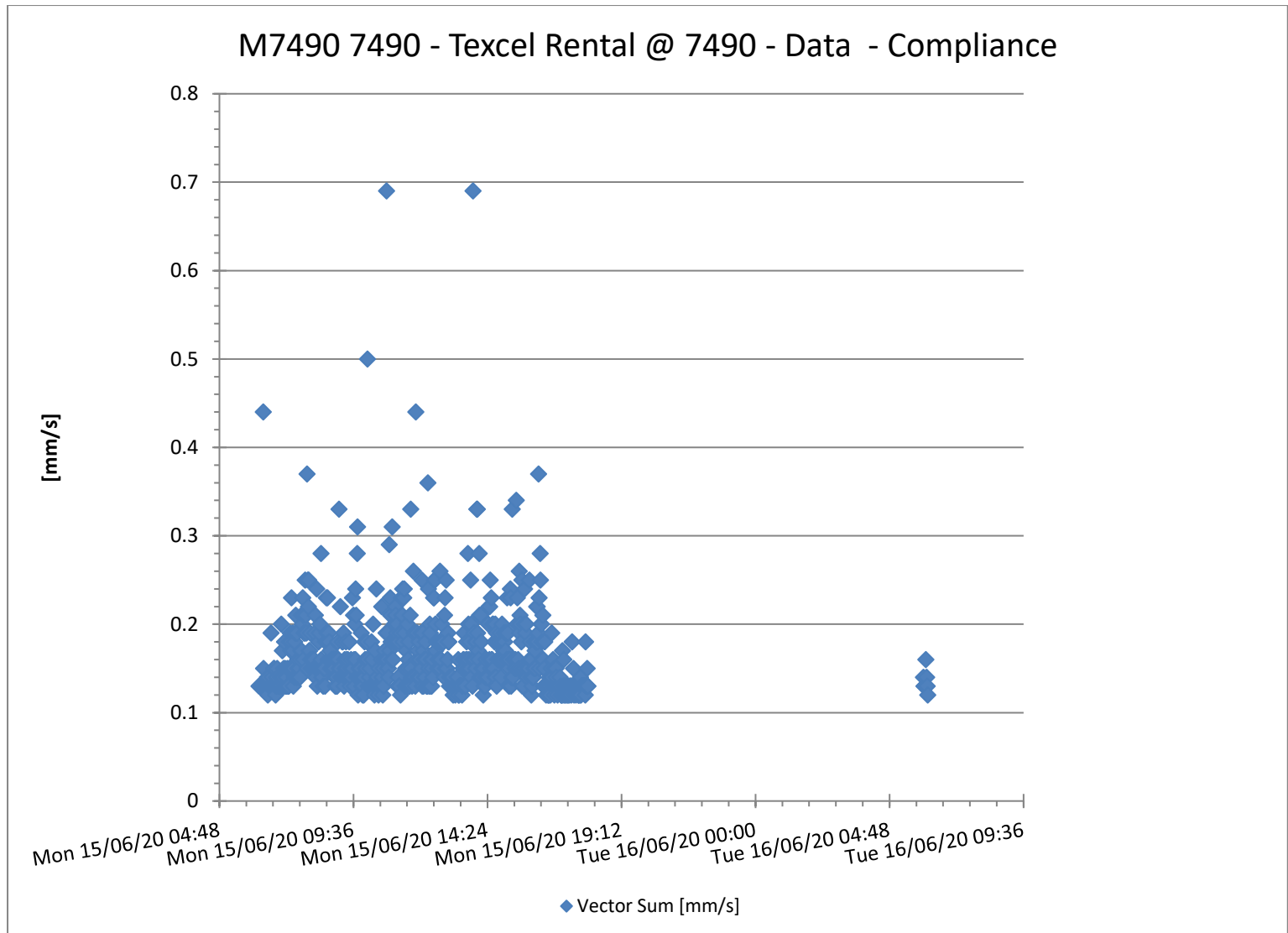
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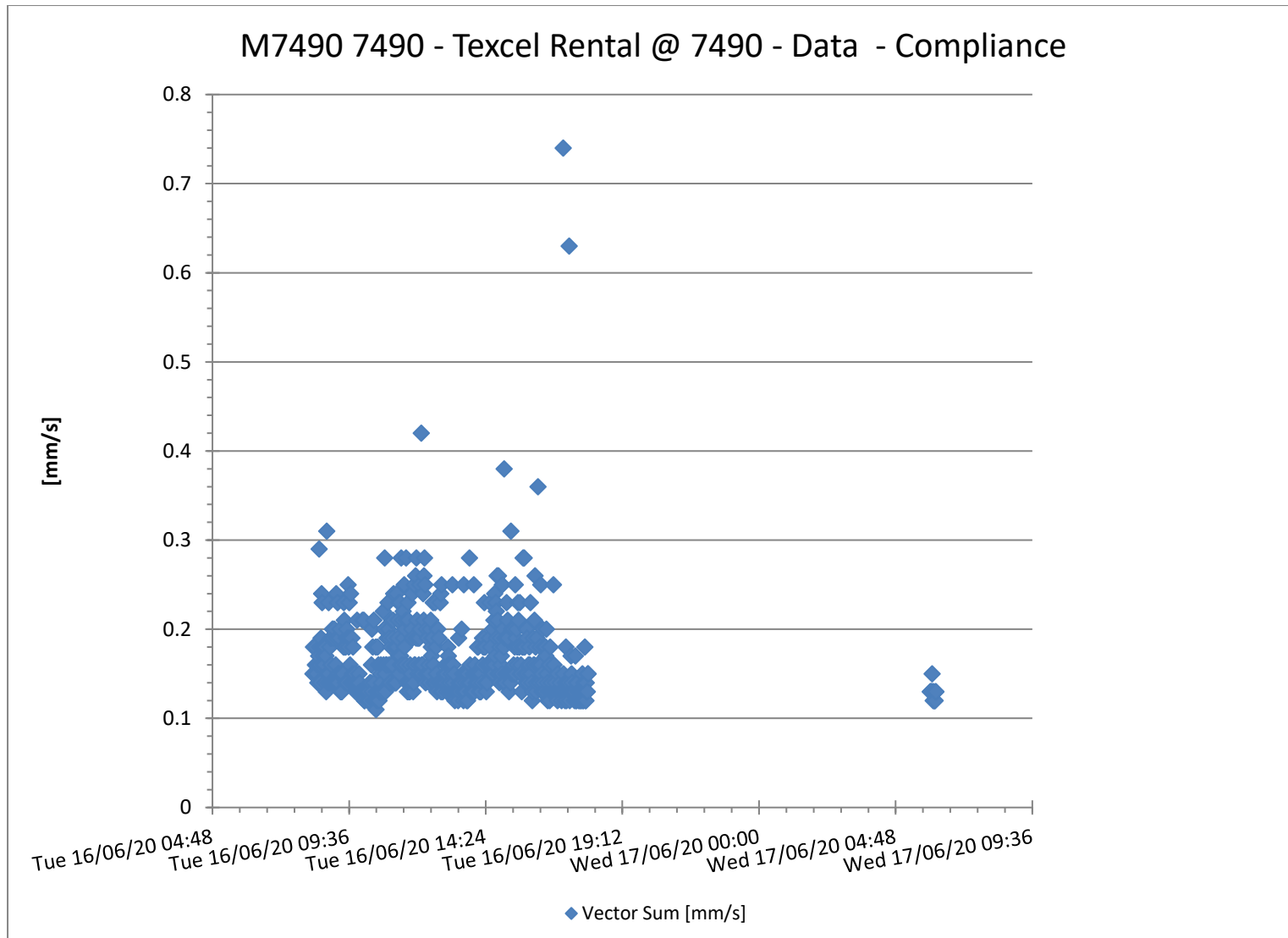


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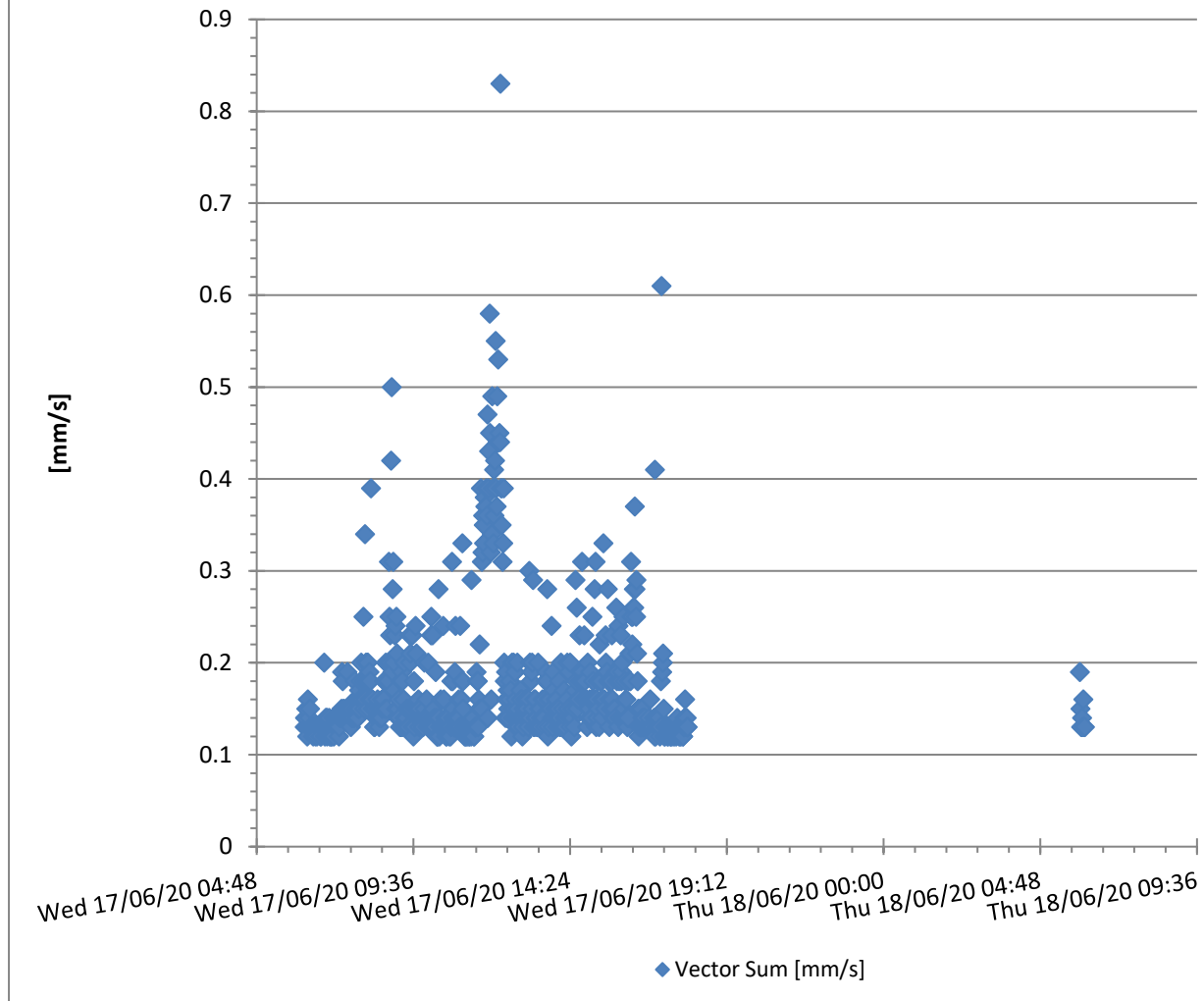


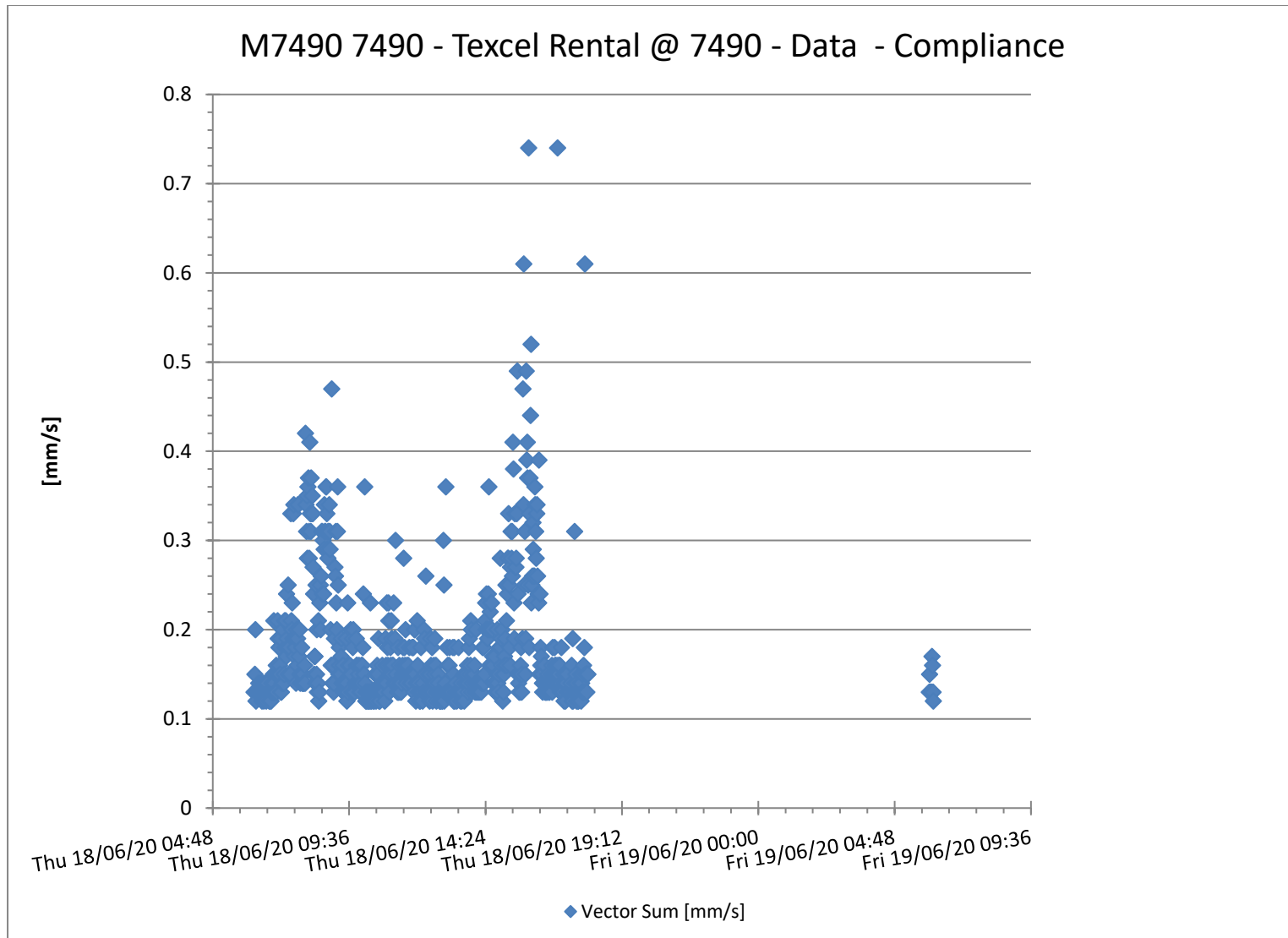


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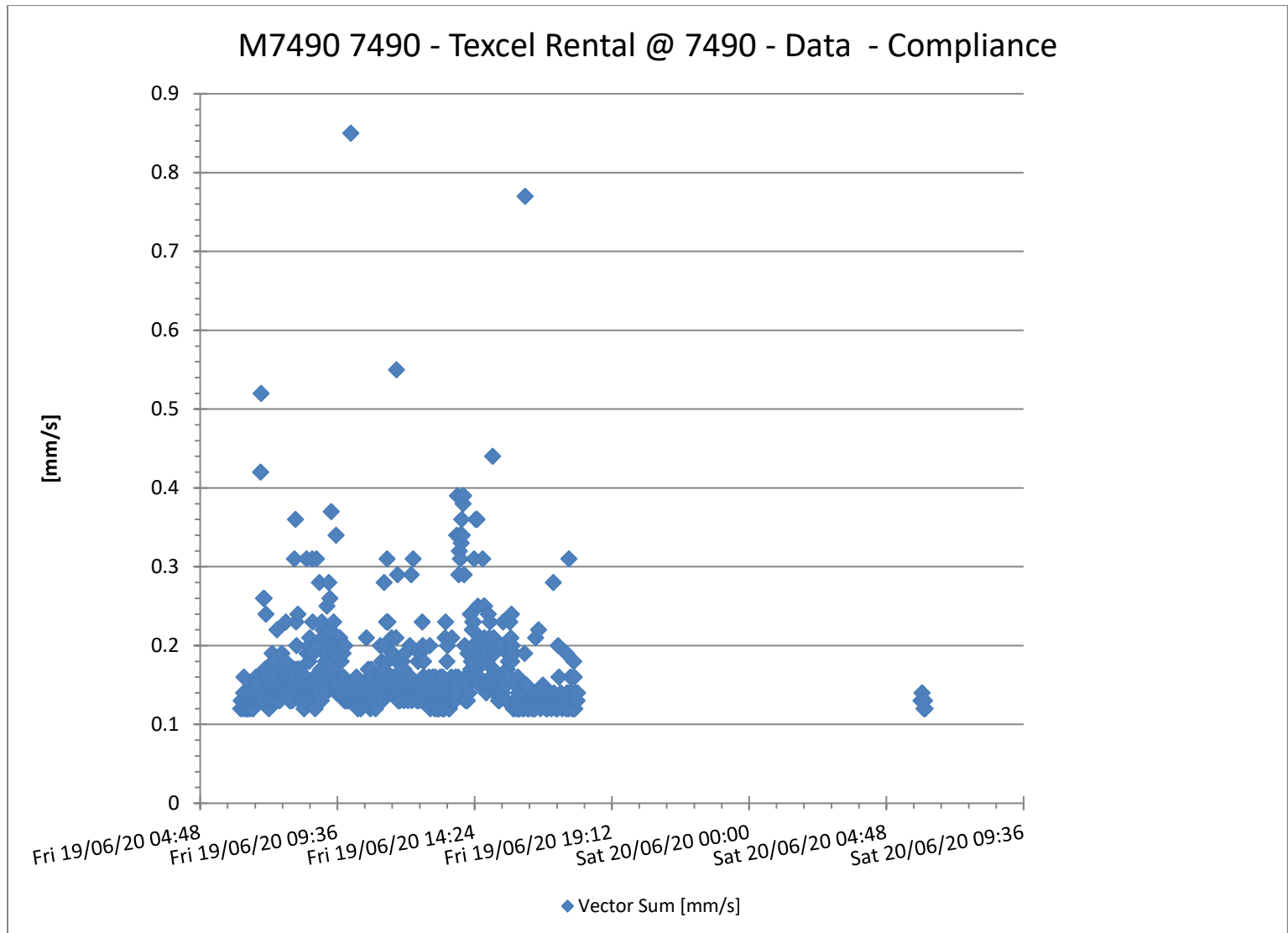


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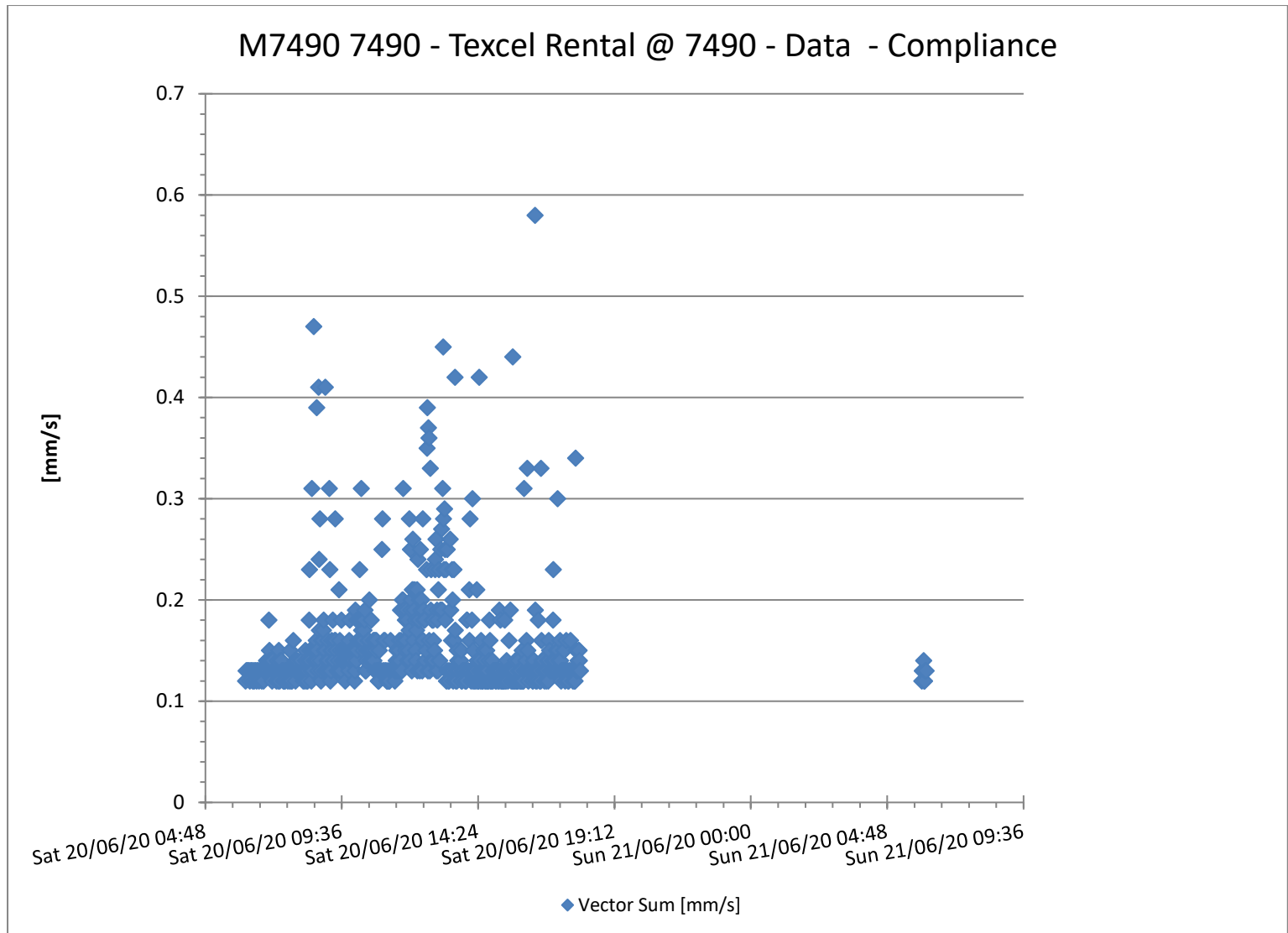




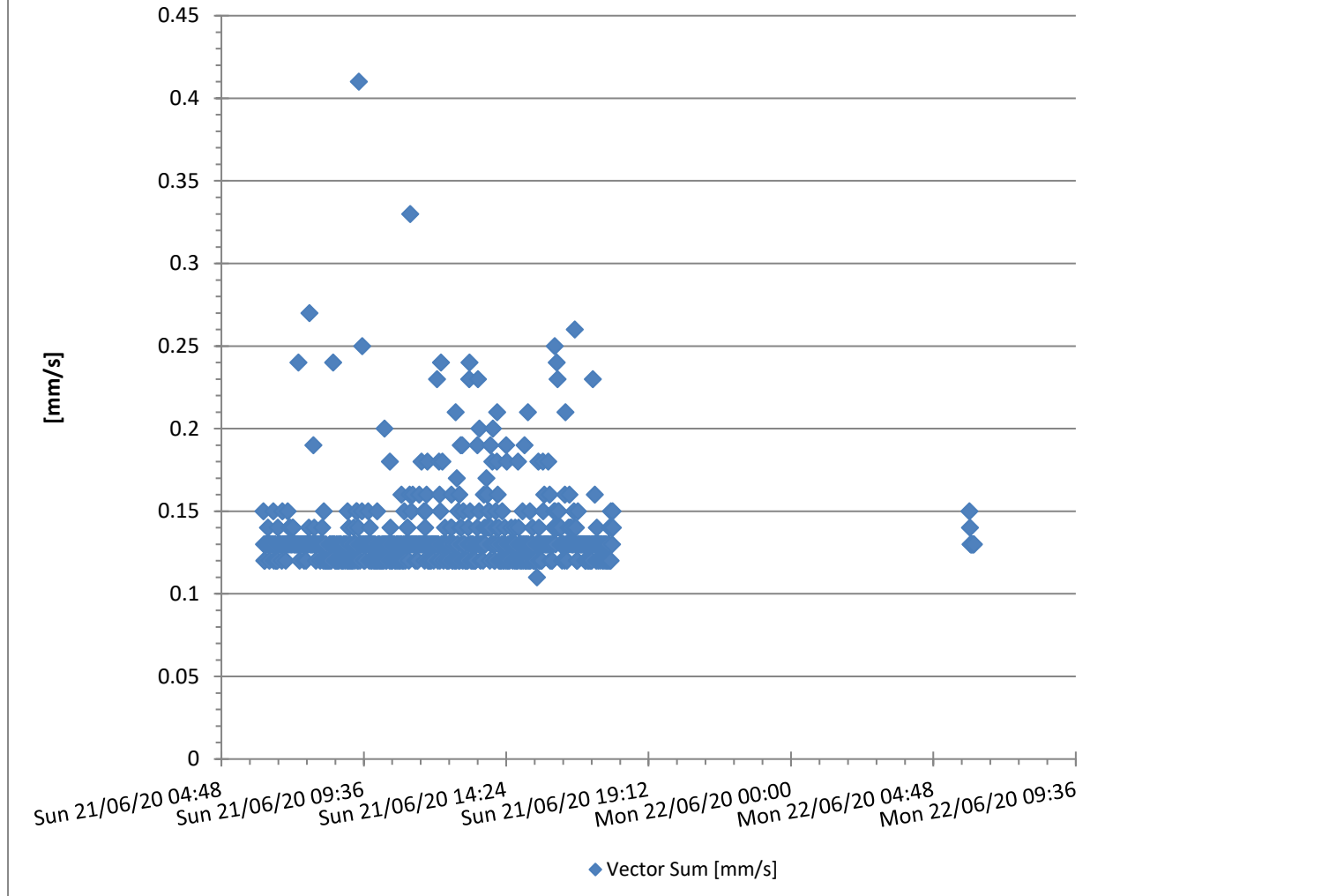
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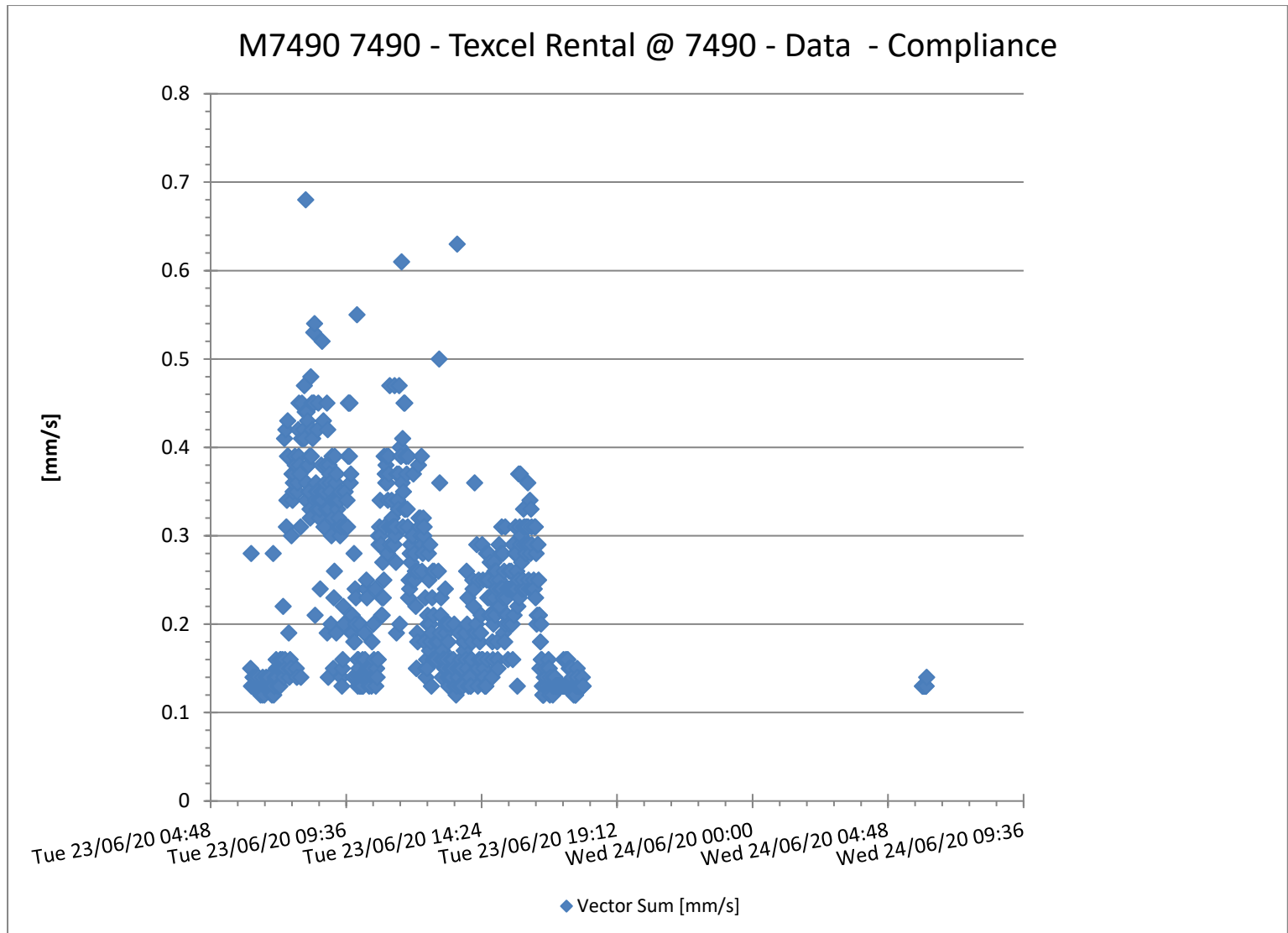


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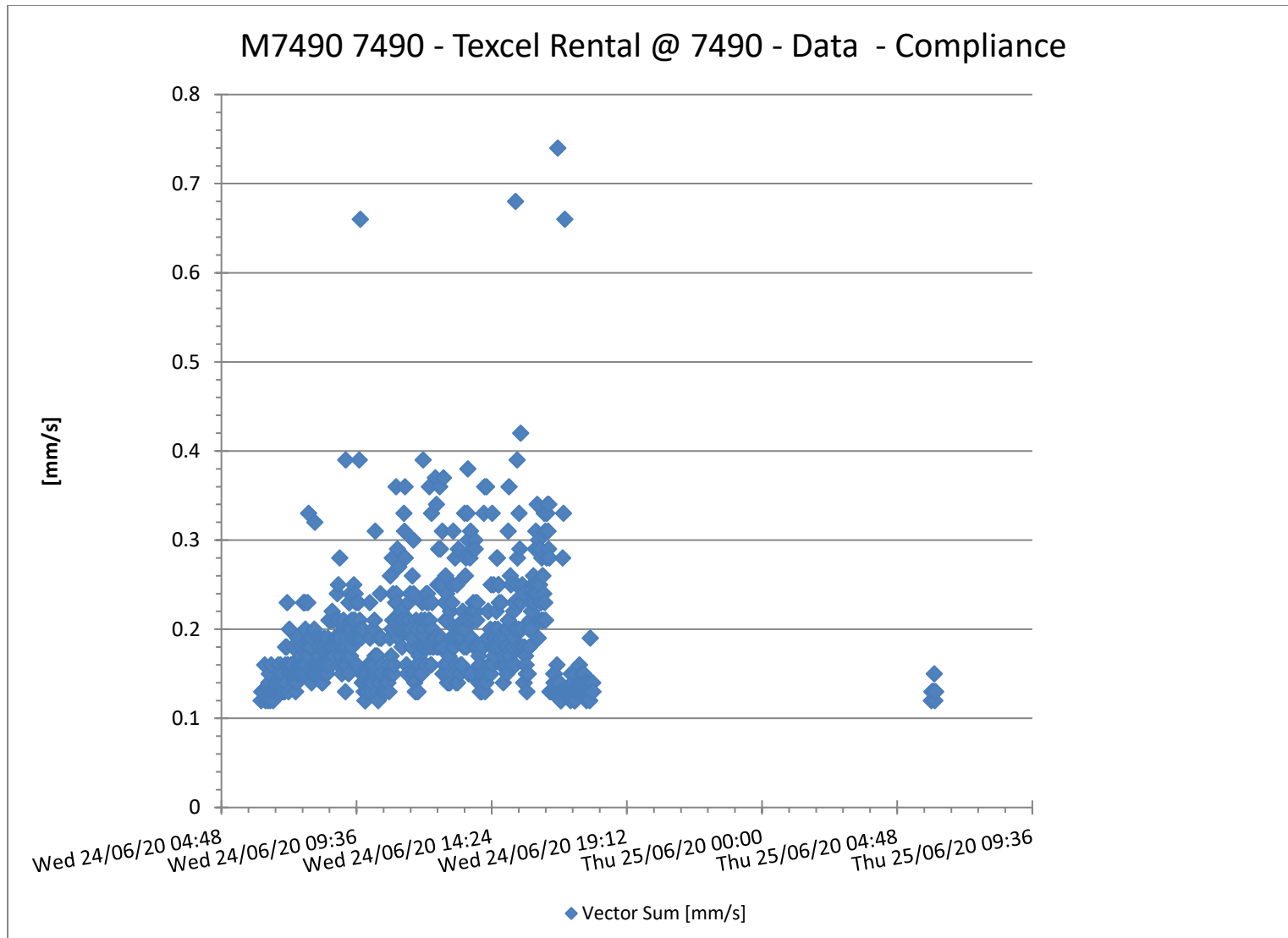




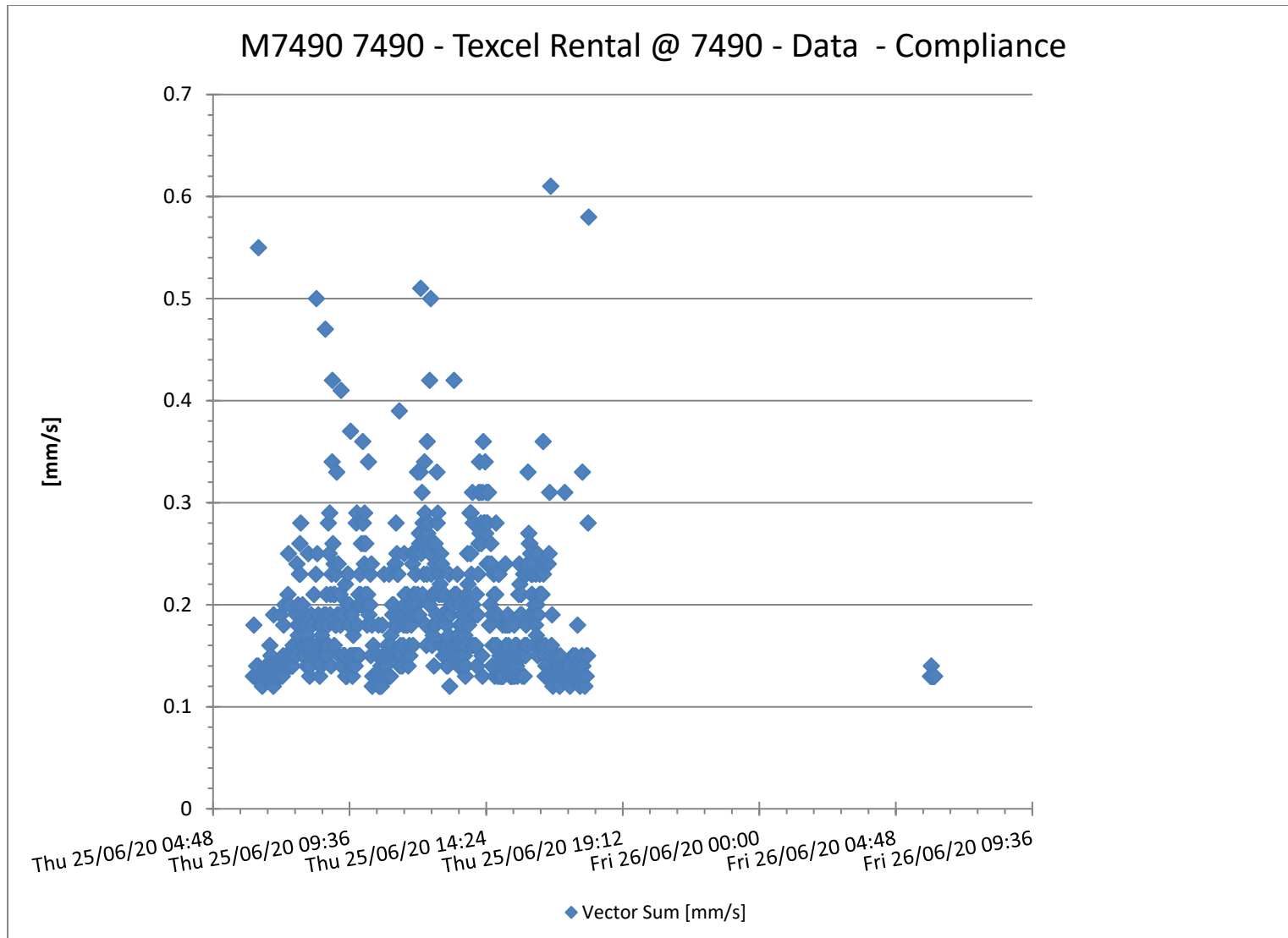
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### M7490 7490 - Texcel Rental @ 7490 - Data - Compliance



### M7490 7490 - Texcel Rental @ 7490 - Data - Compliance



M7490 7490 - Texcel Rental @ 7490 - Data - Compliance

