



Richard Crookes Constructions

The Art Gallery of NSW  
Sydney Modern Development

Noise and Vibration Monitoring Results

JANUARY

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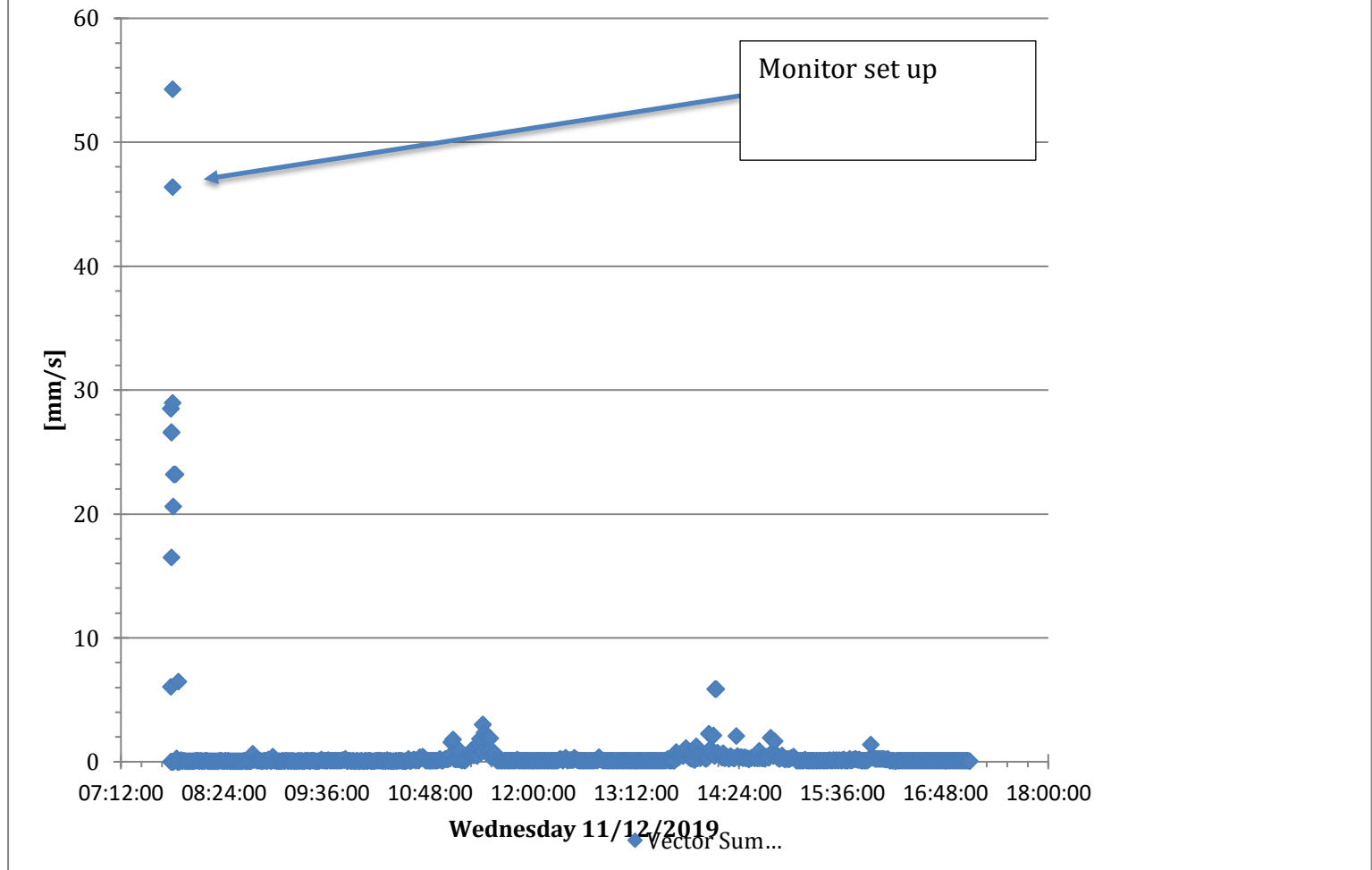
## Vibration Monitor Locations

Four vibration monitors have been installed on the site as to assess vibrations from building works. Vibration monitor locations include the following.

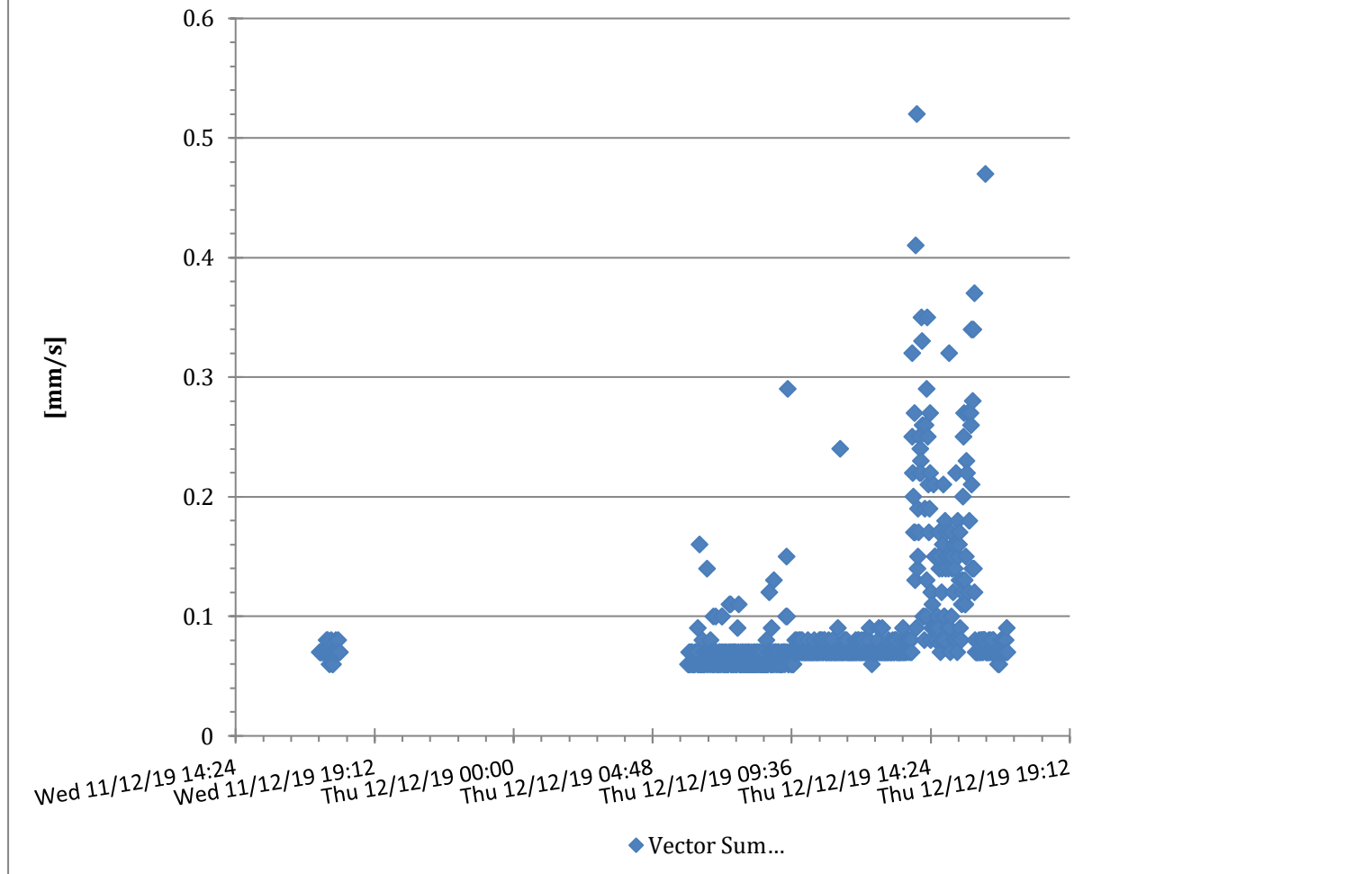
1. Location 1 - Monitor 7543 – Electrical infrastructure:
  - a. Trigger 4 mm/s
  - b. Alarm 6 mm/s
  
2. Location 2 - Monitor 7542 – ED infrastructure
  - a. Trigger 7mm/s
  - b. Alarm 8 mm/s
  
3. Location 3 - Monitor 7541 – Wharf Terraces
  - a. Trigger 3 mm/s
  - b. Alarm 4 mm/s
  
4. Location 4 - Monitor 7517 - Art gallery
  - a. Trigger 1.5 mm/s
  - b. Alarm 2 mm/s

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

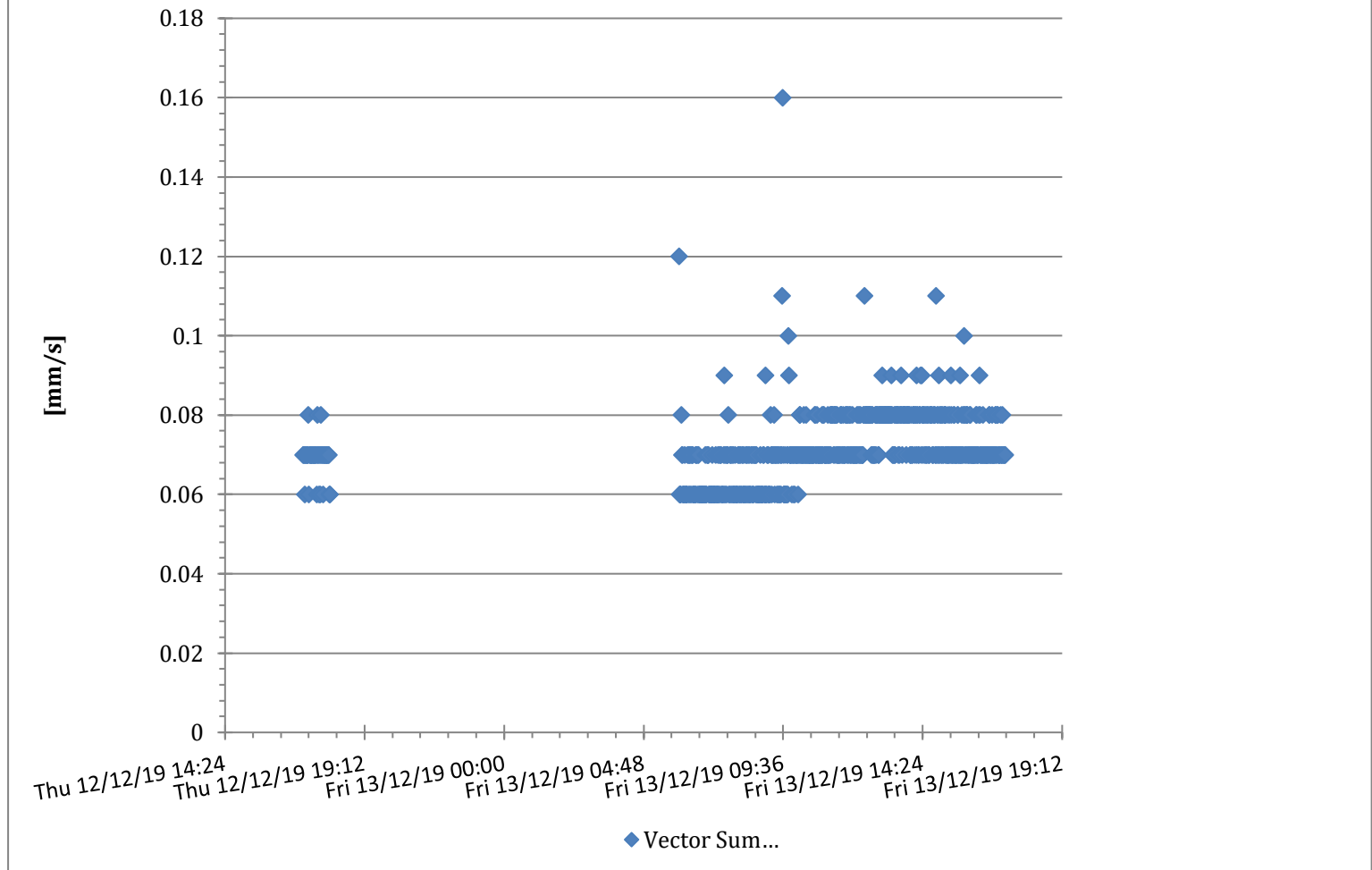
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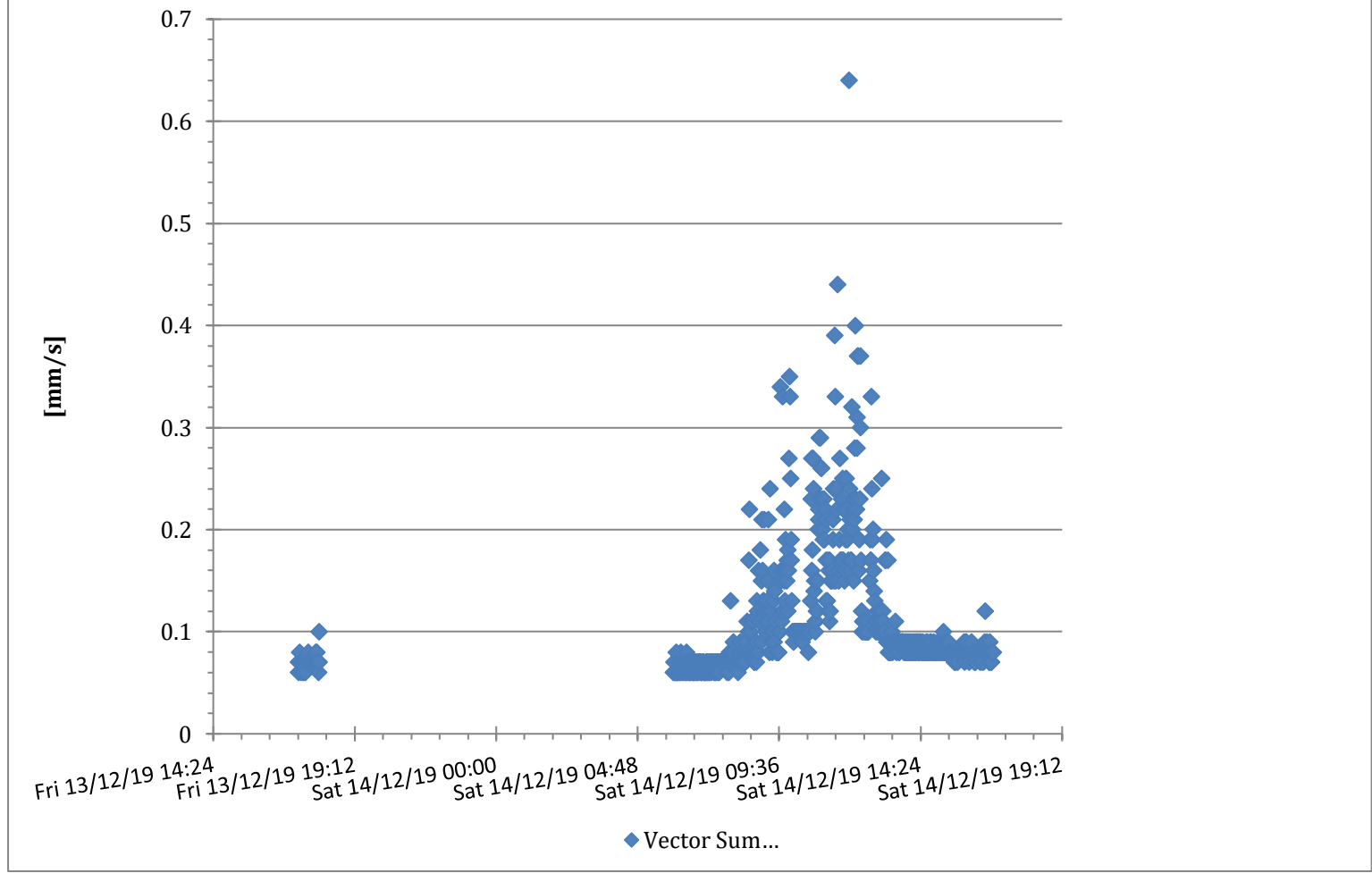
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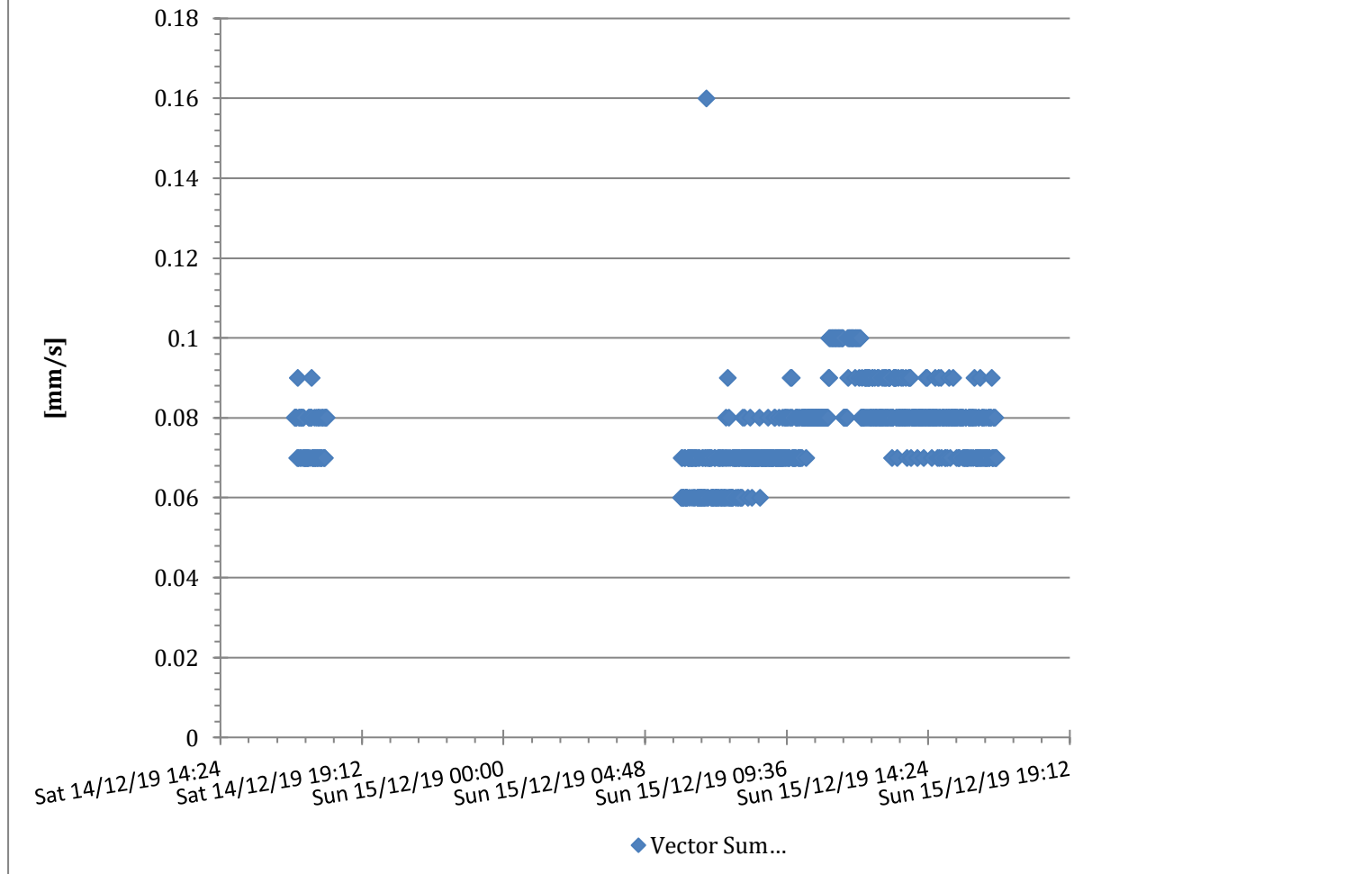
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### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance

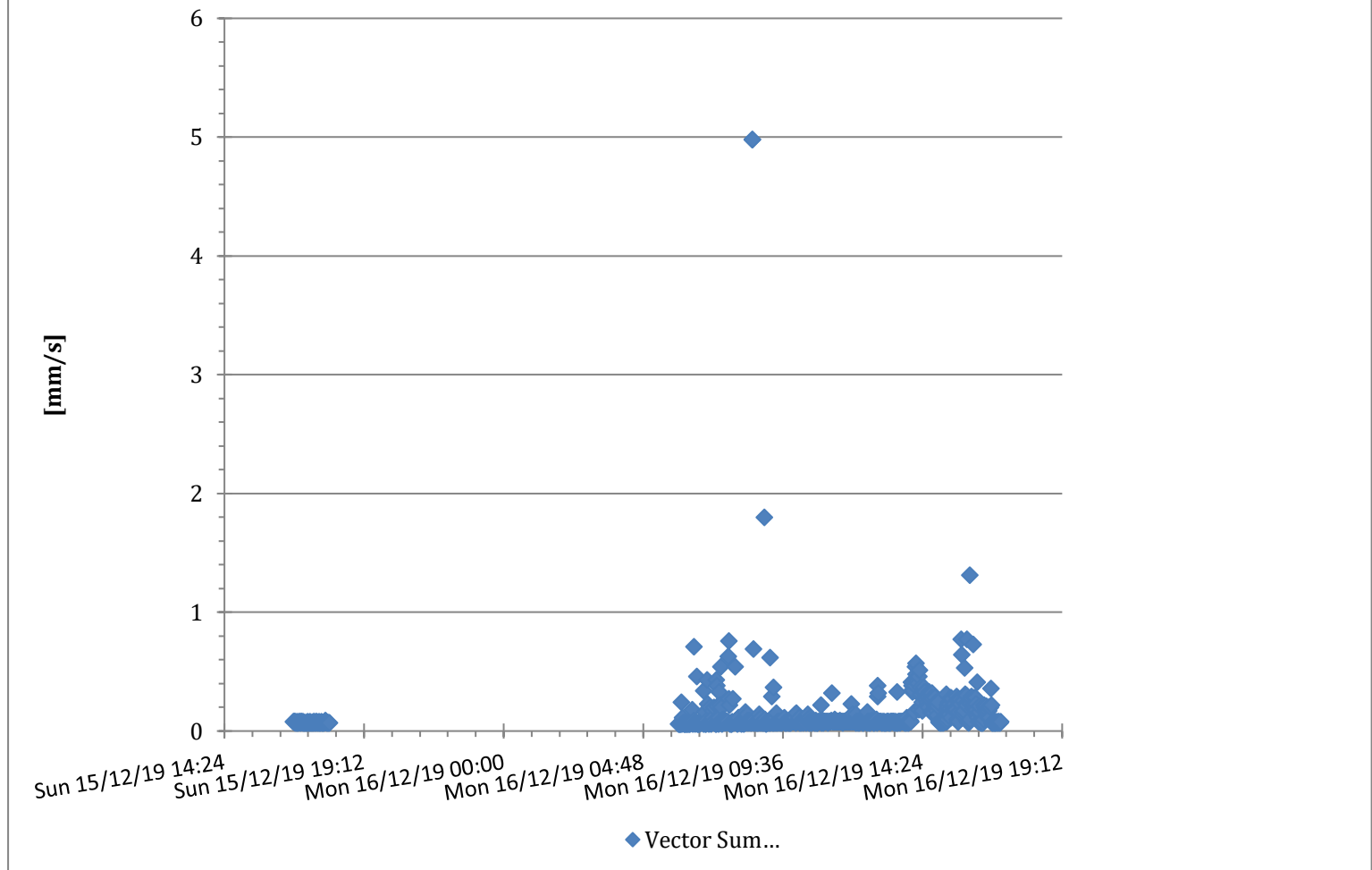


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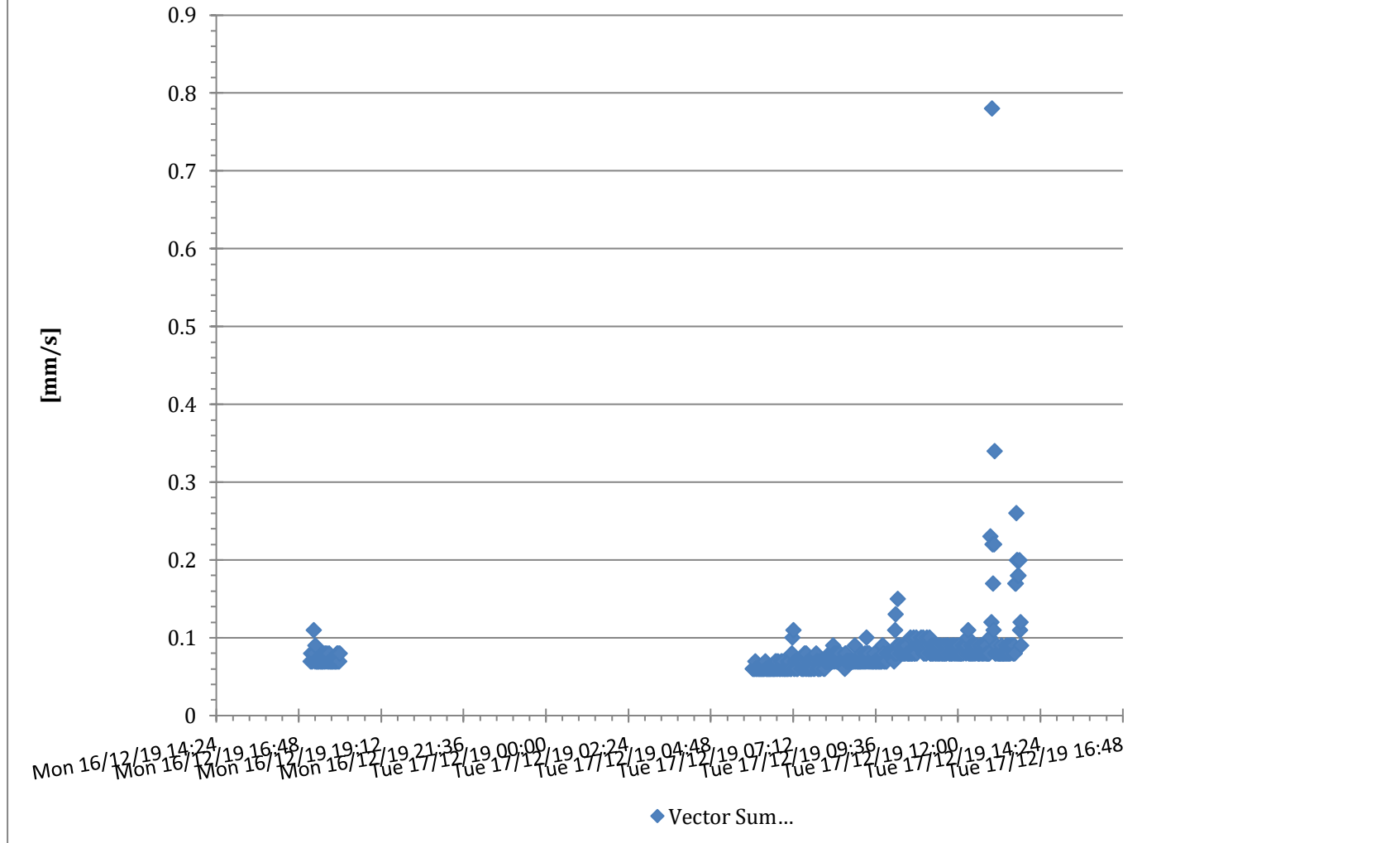




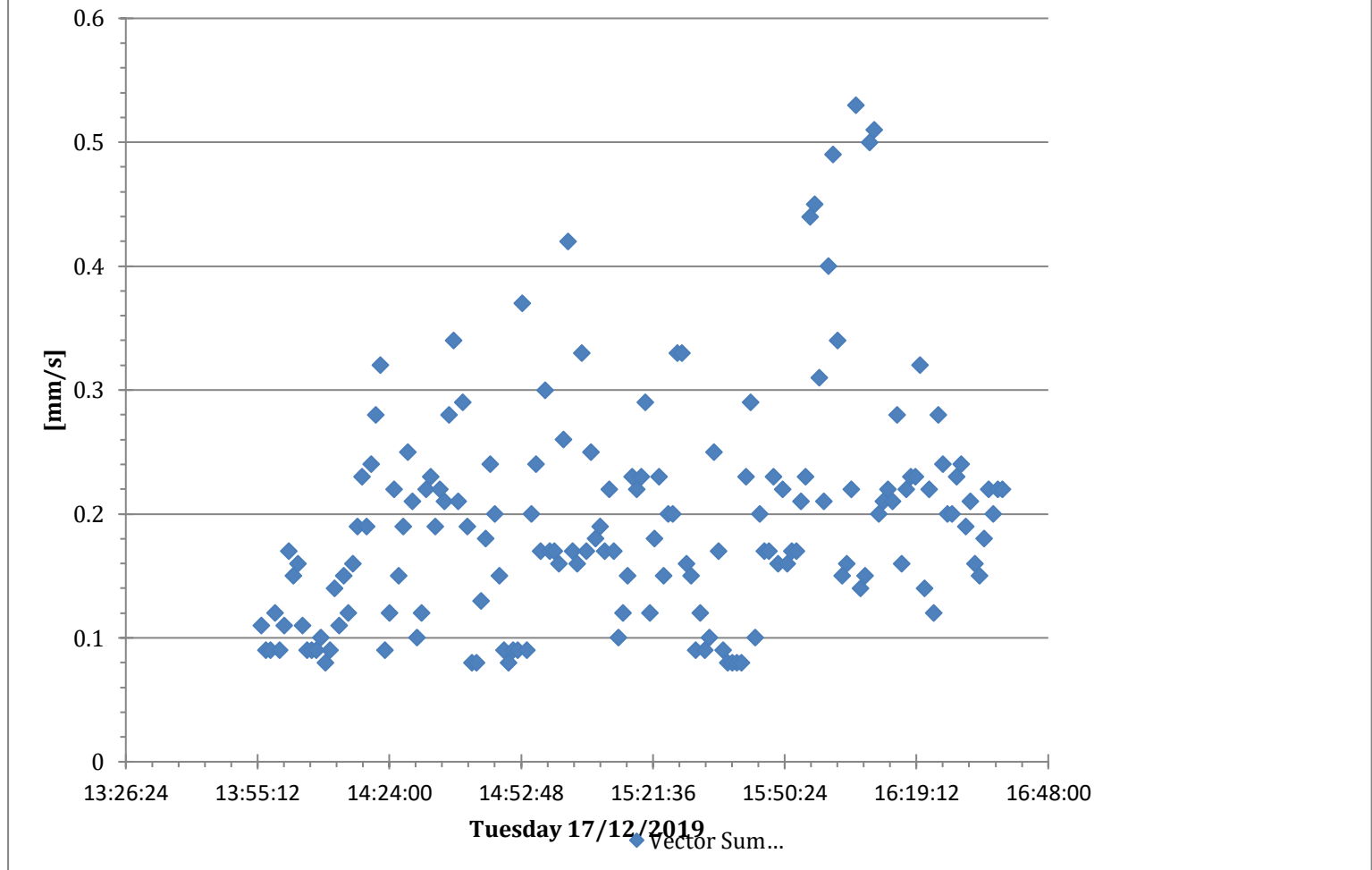
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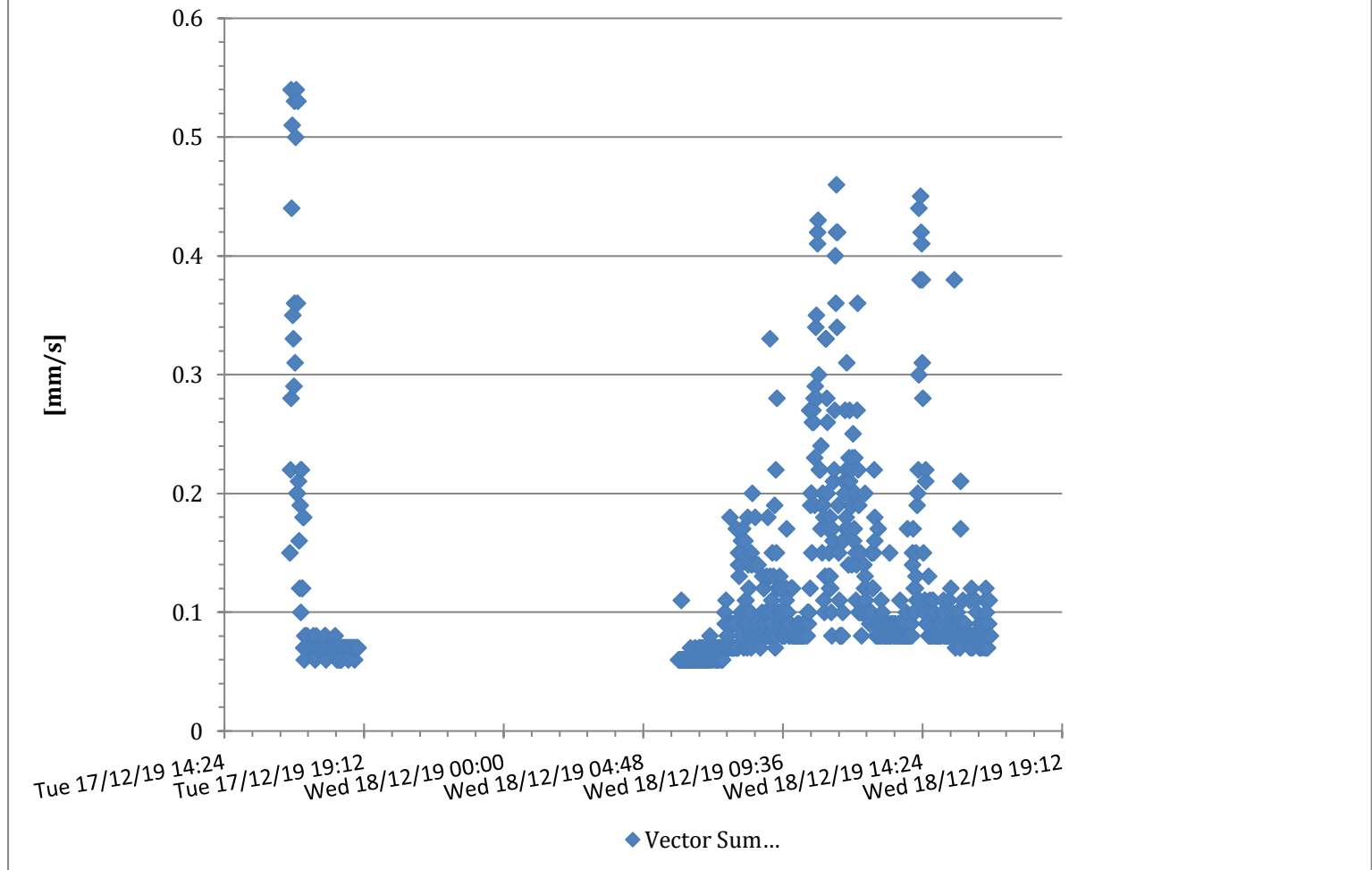
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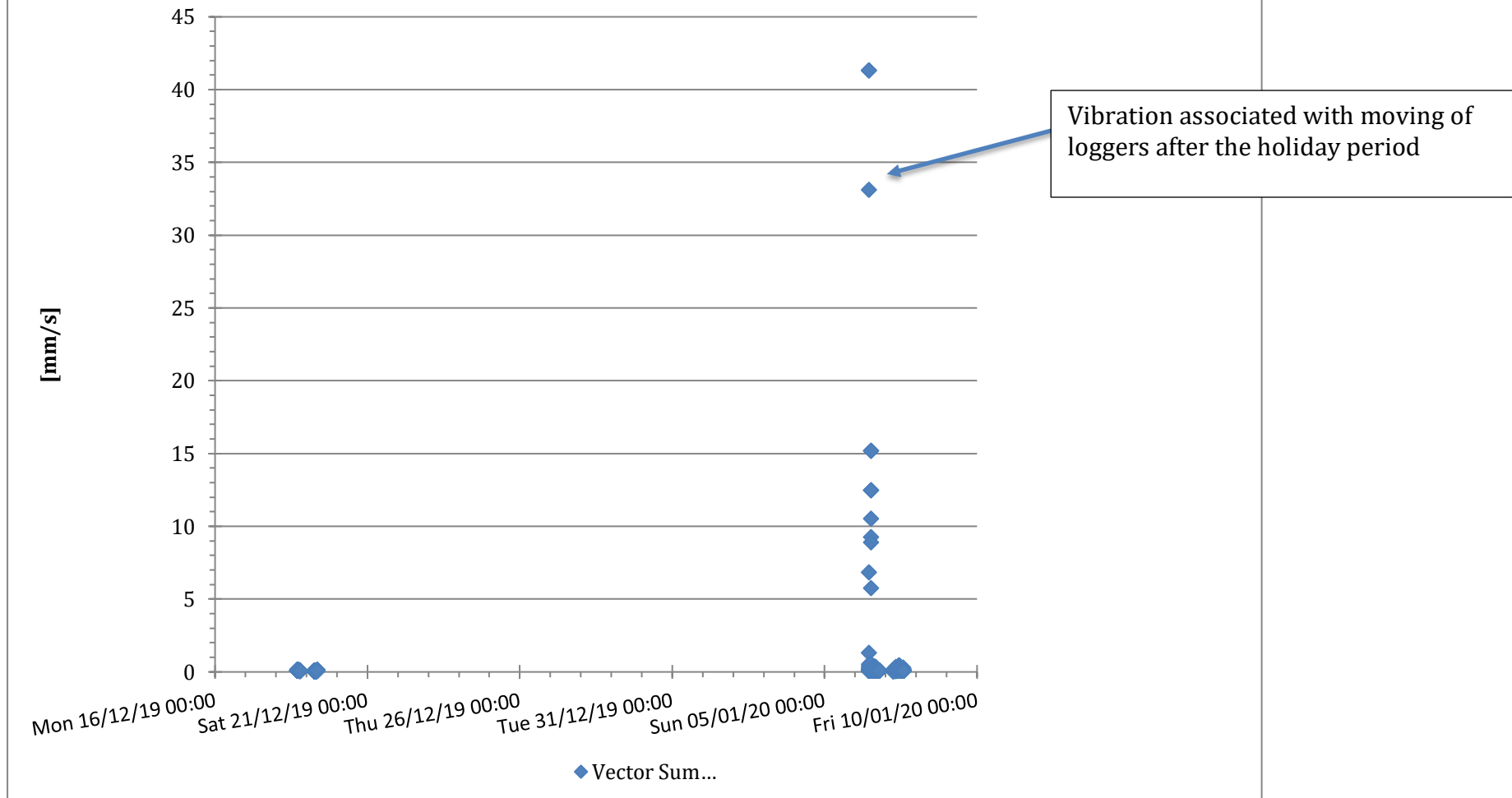
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### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance

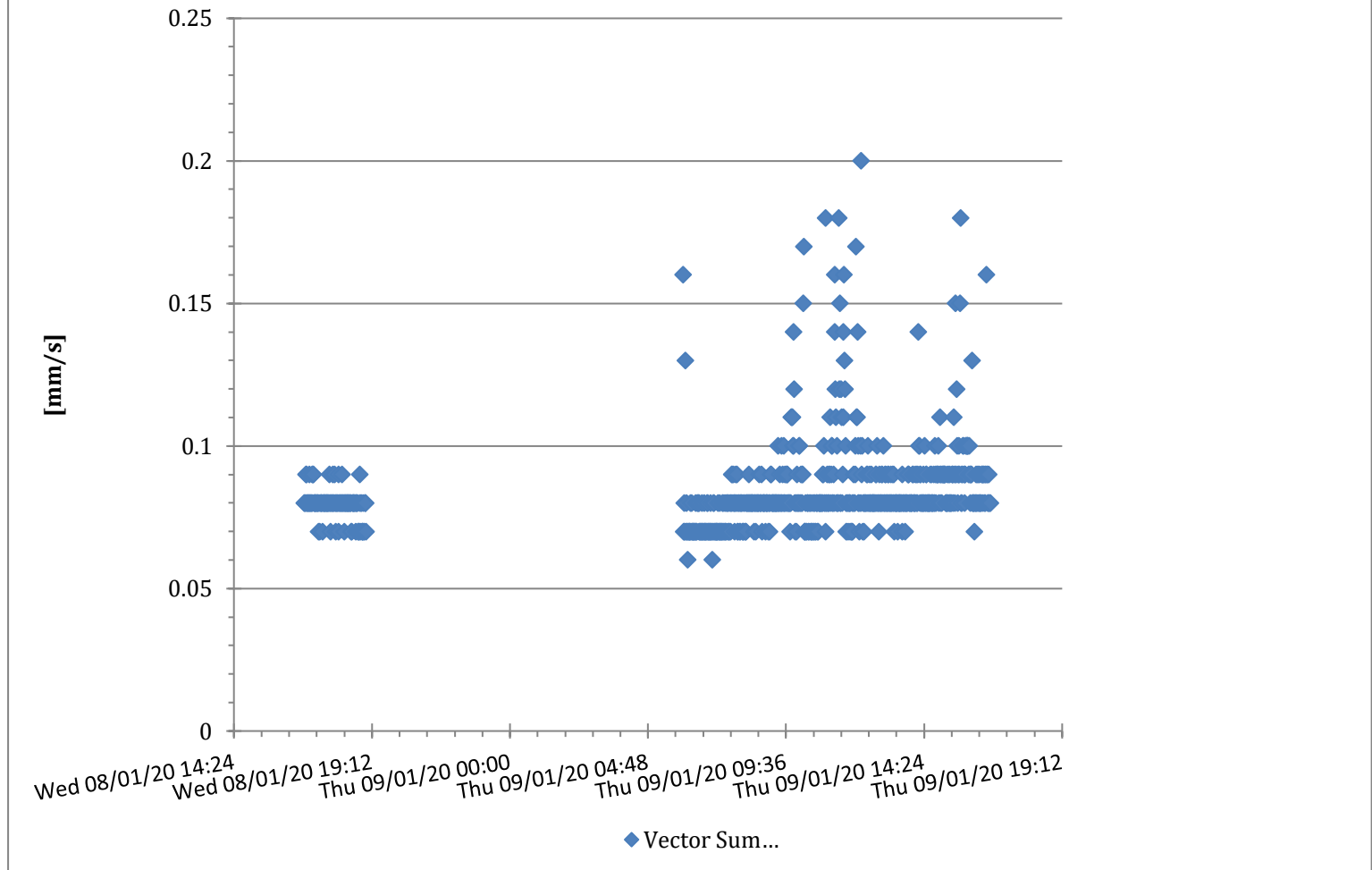


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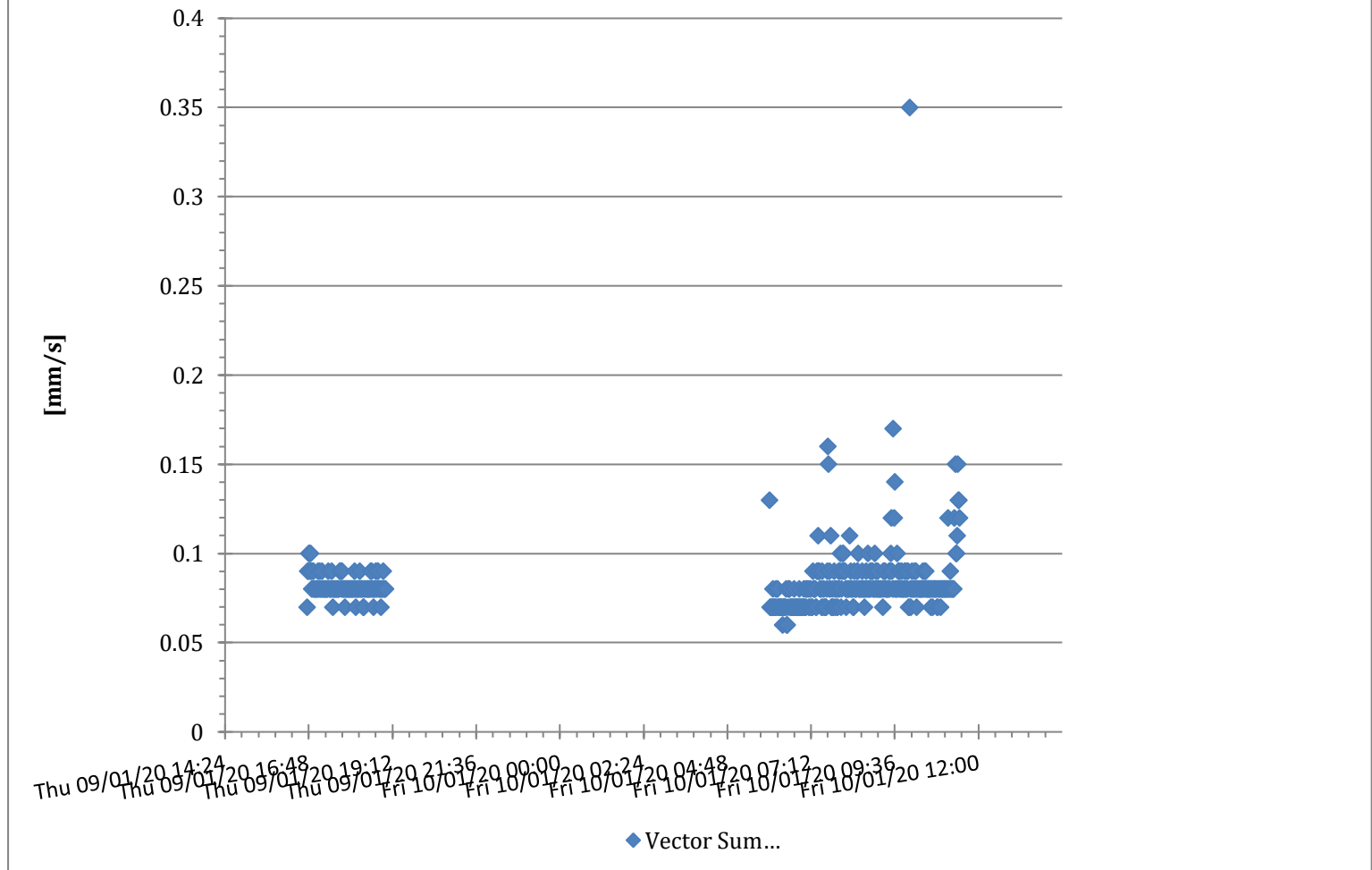




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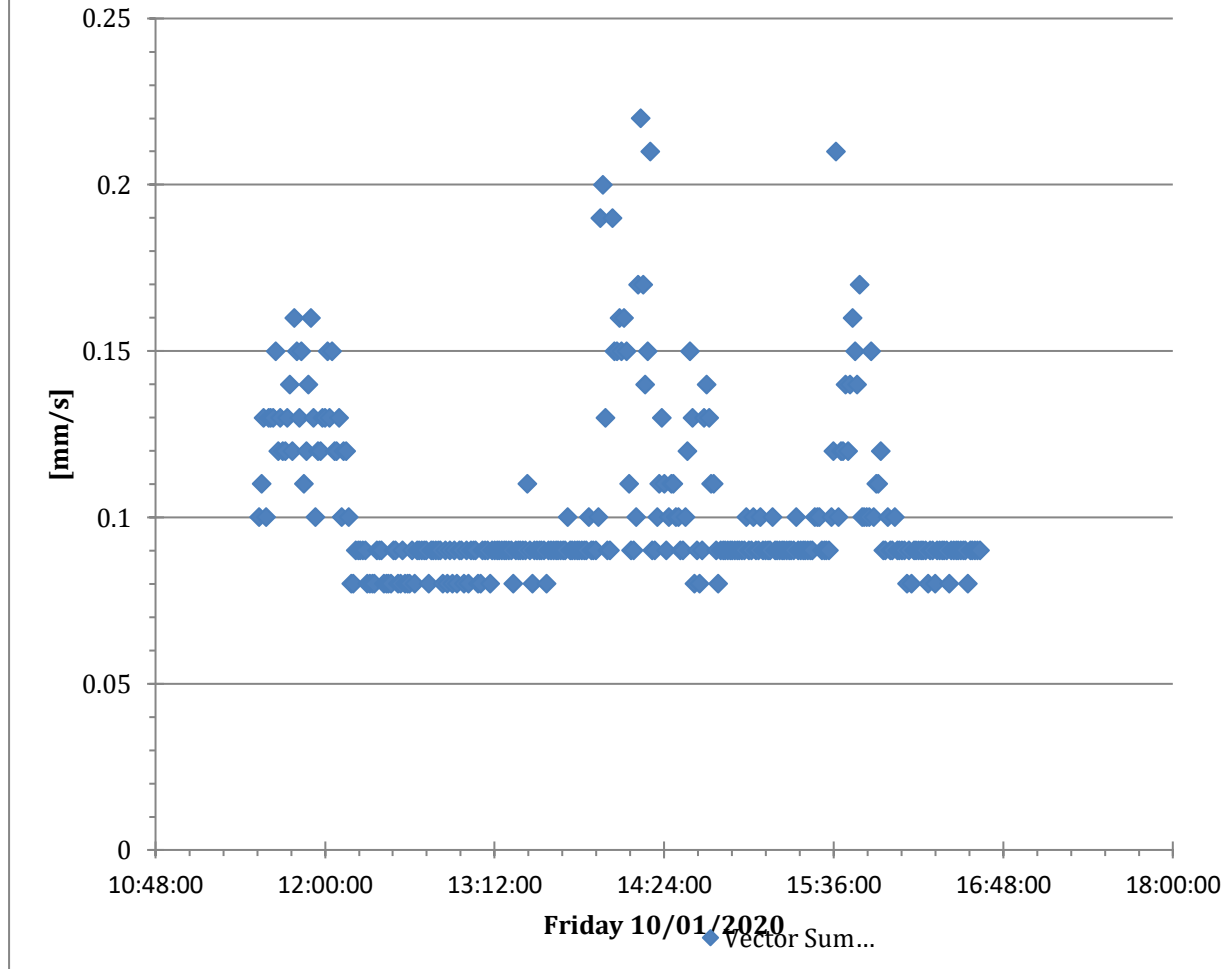


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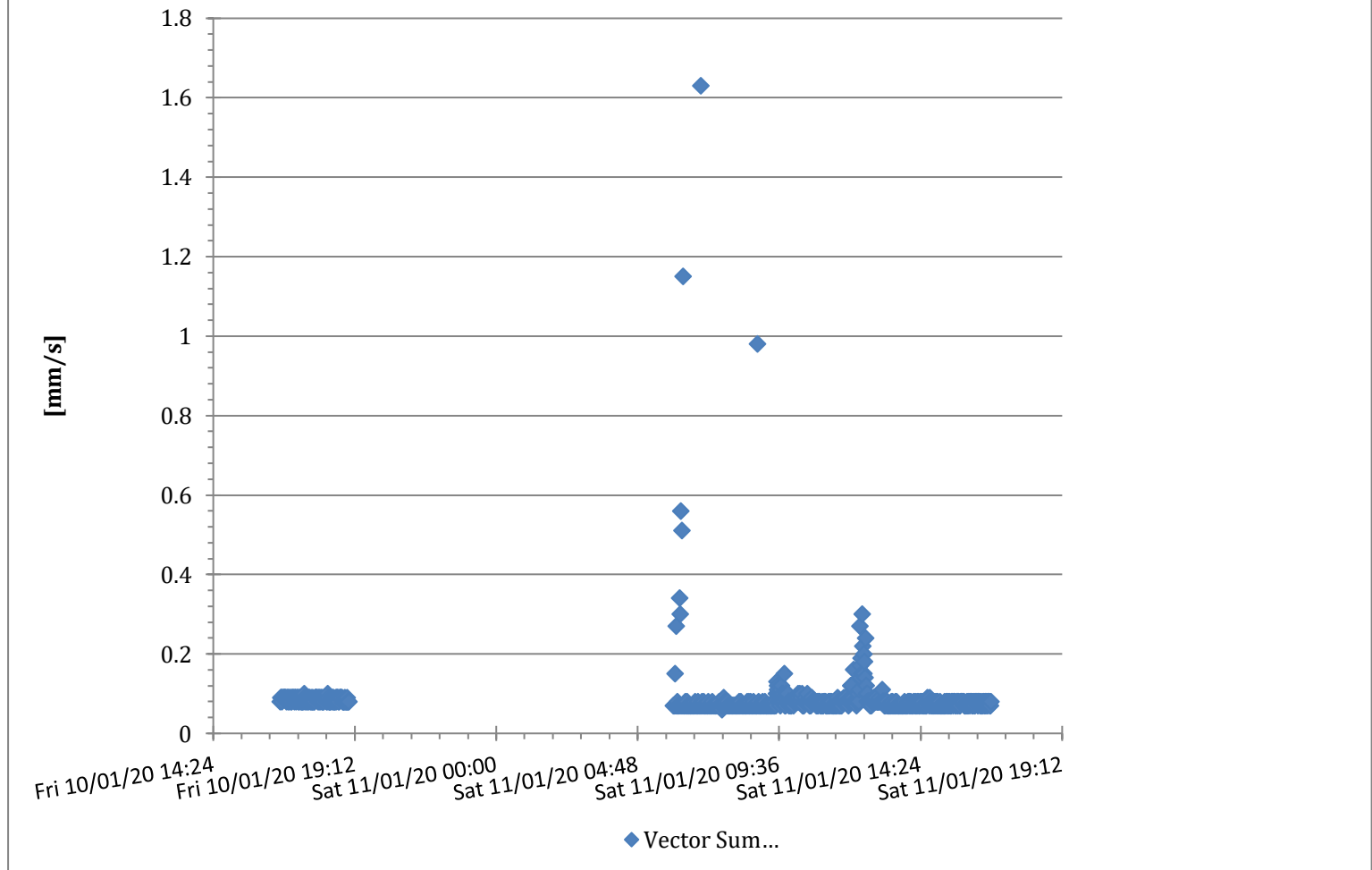




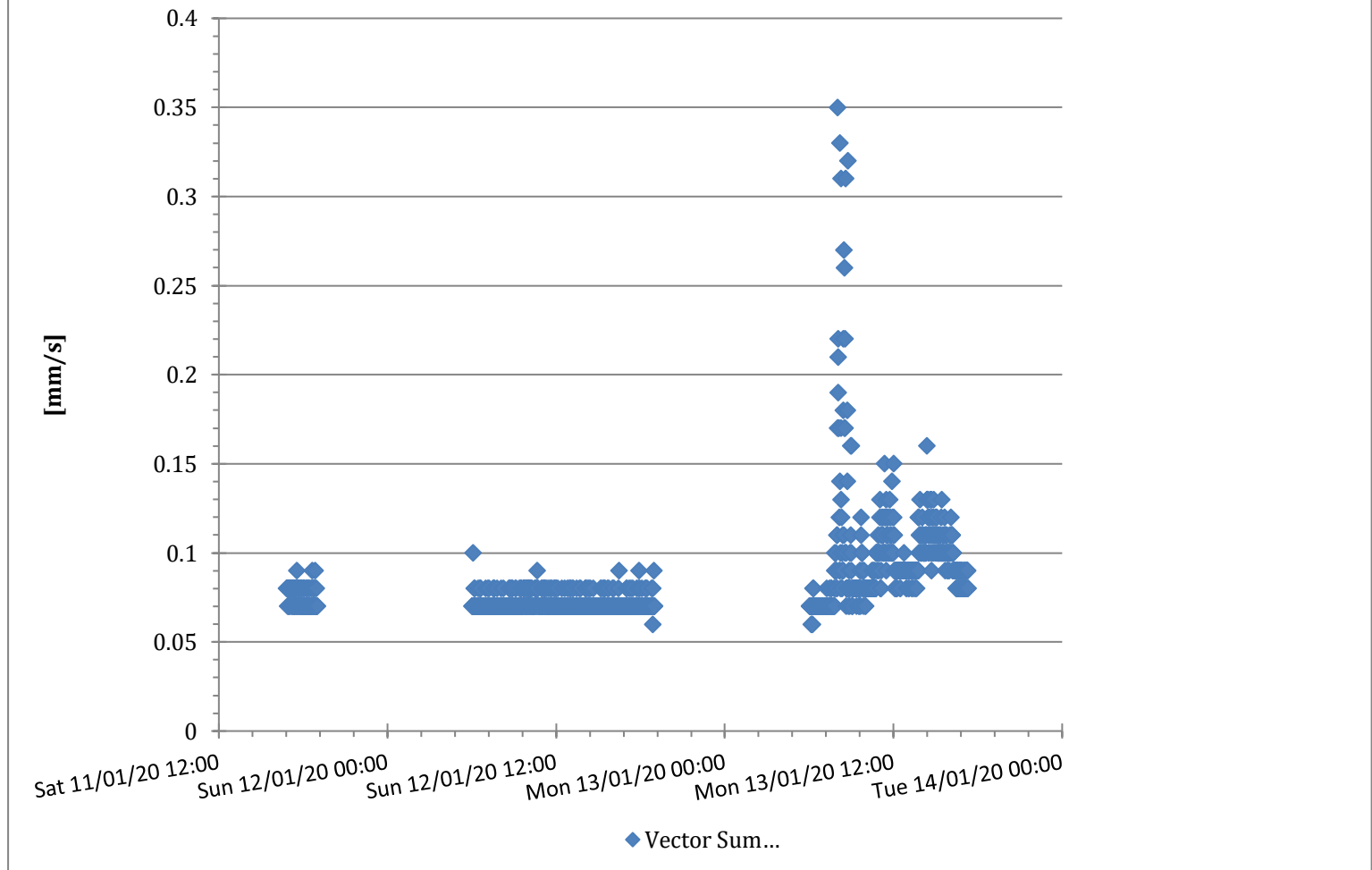
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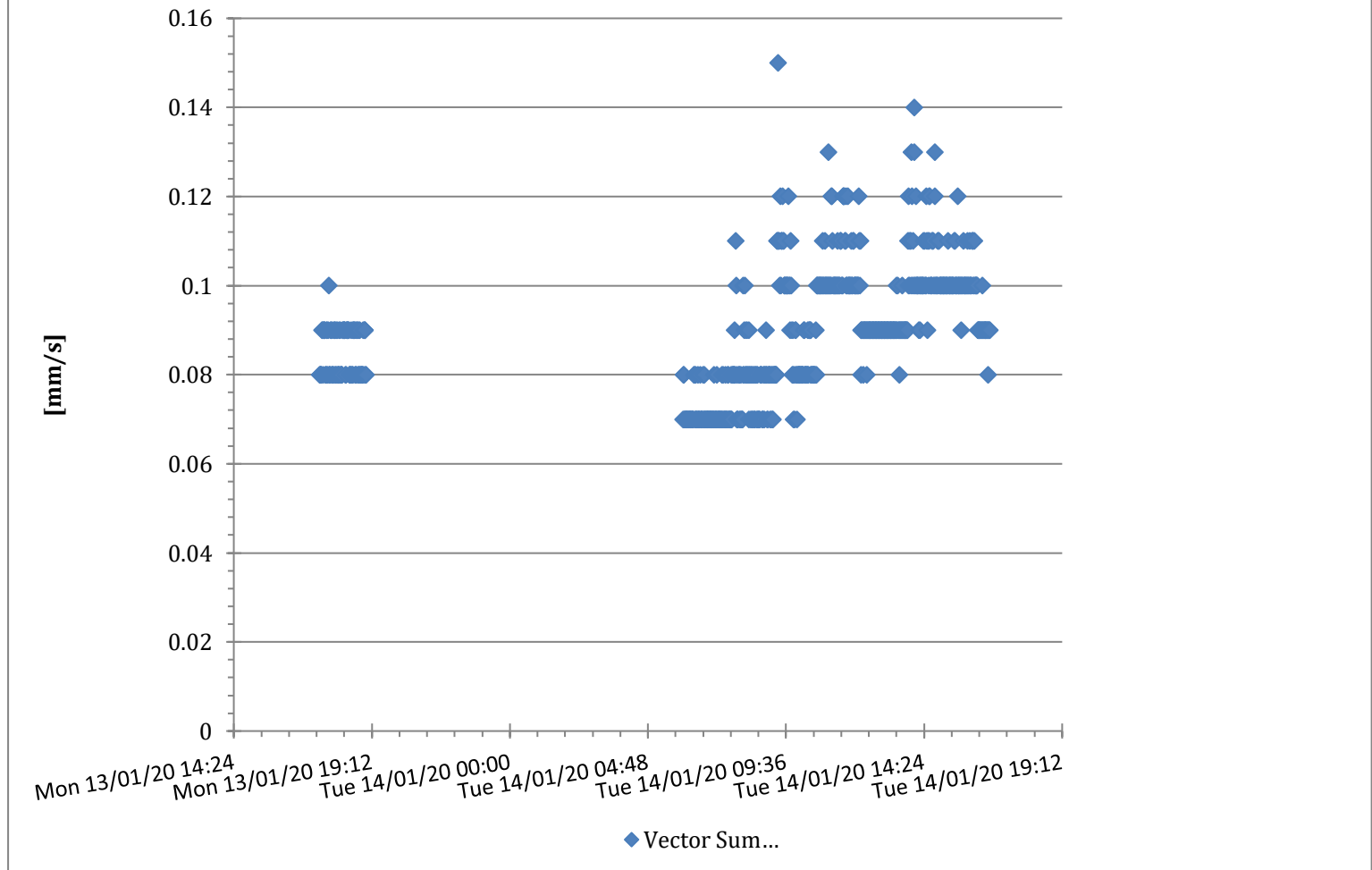
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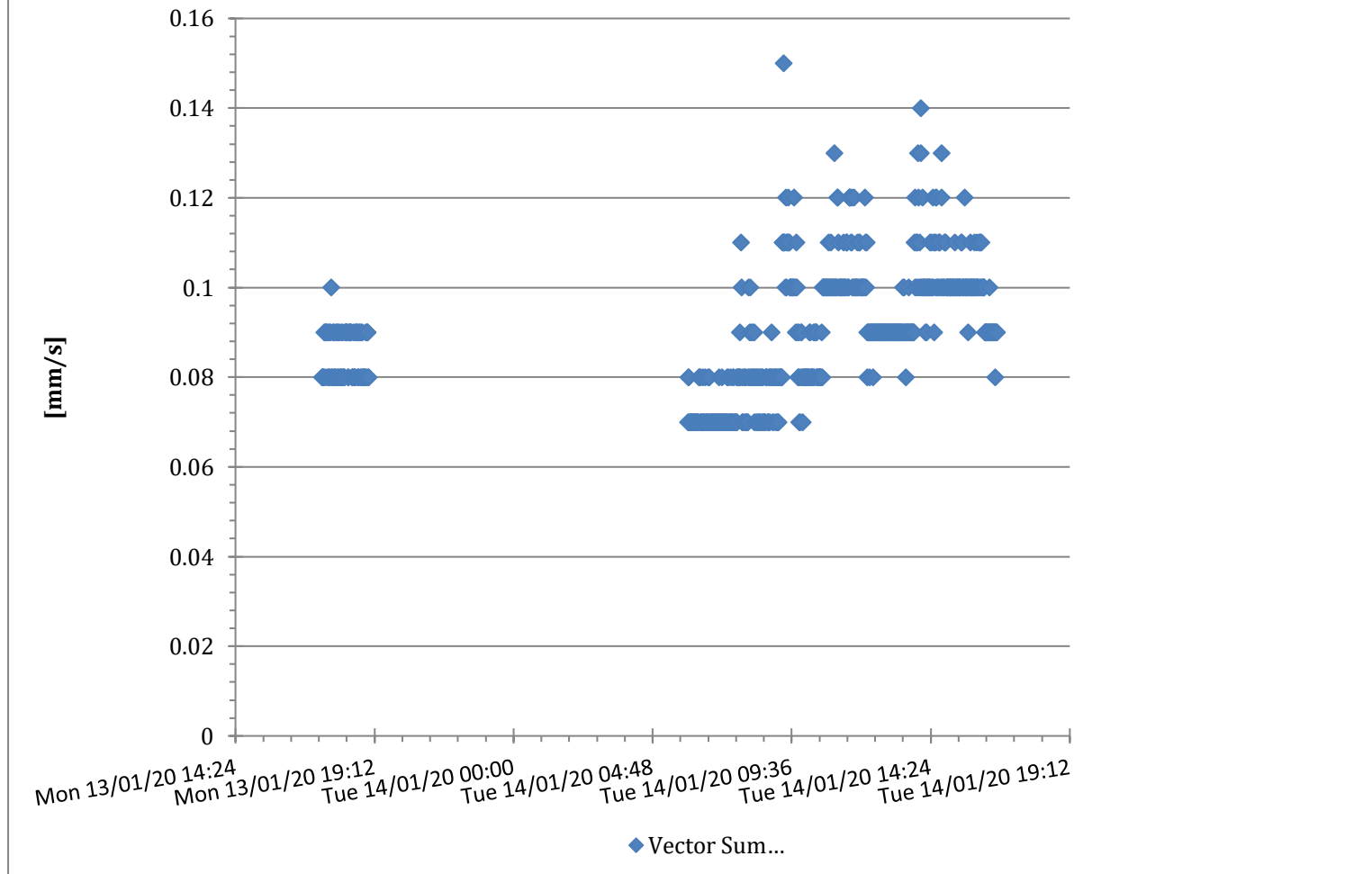
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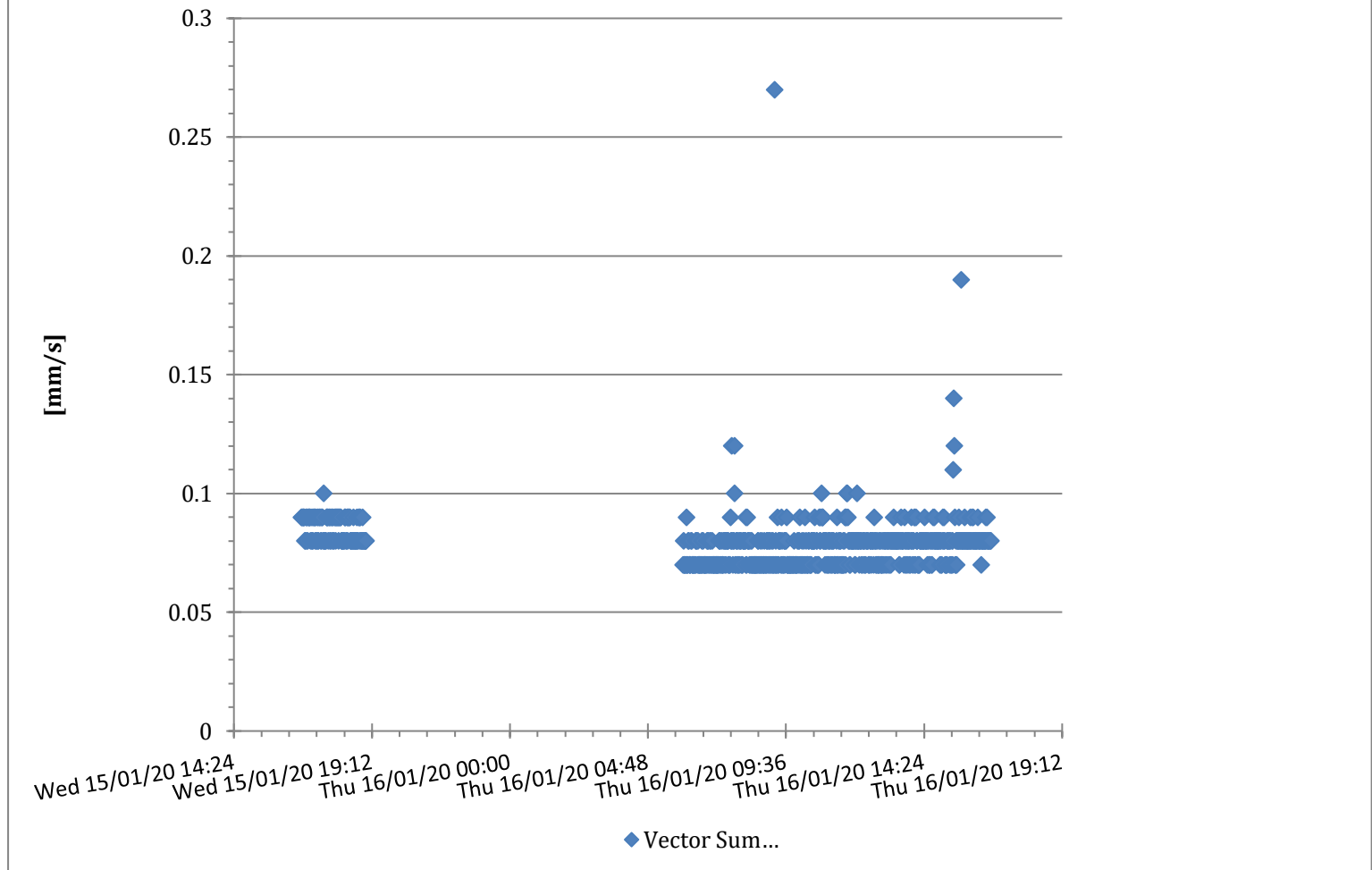
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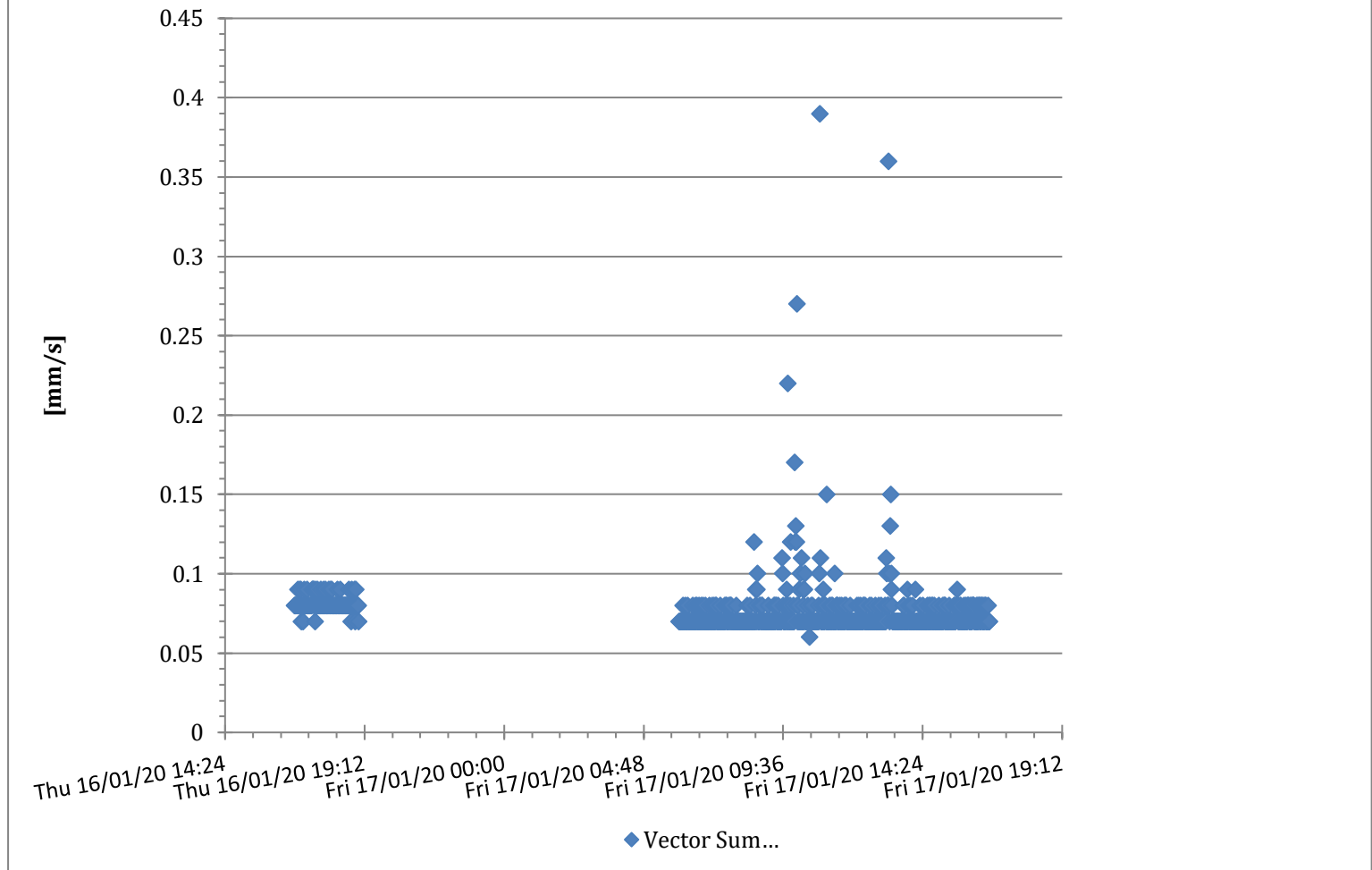
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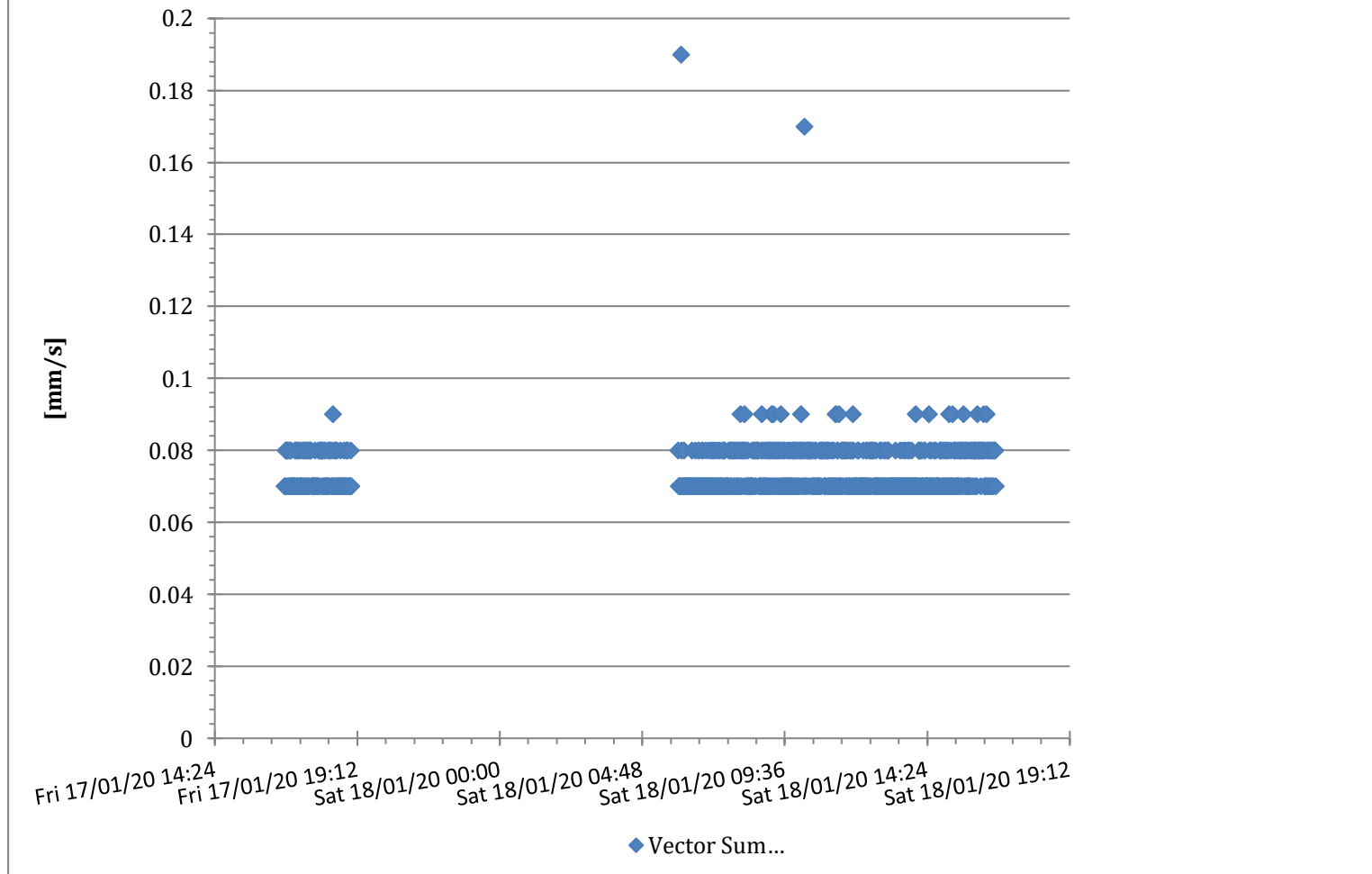
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### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance

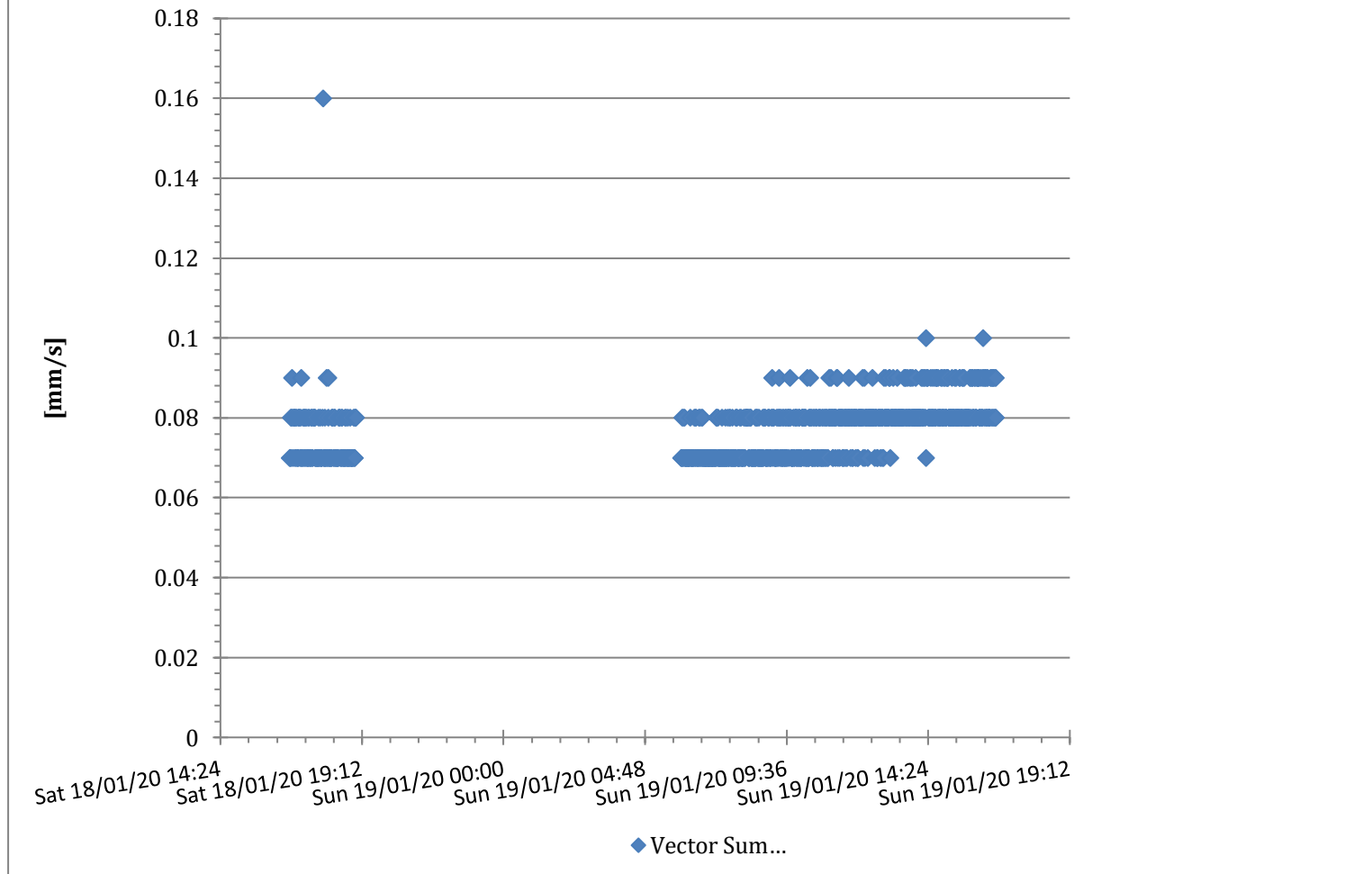


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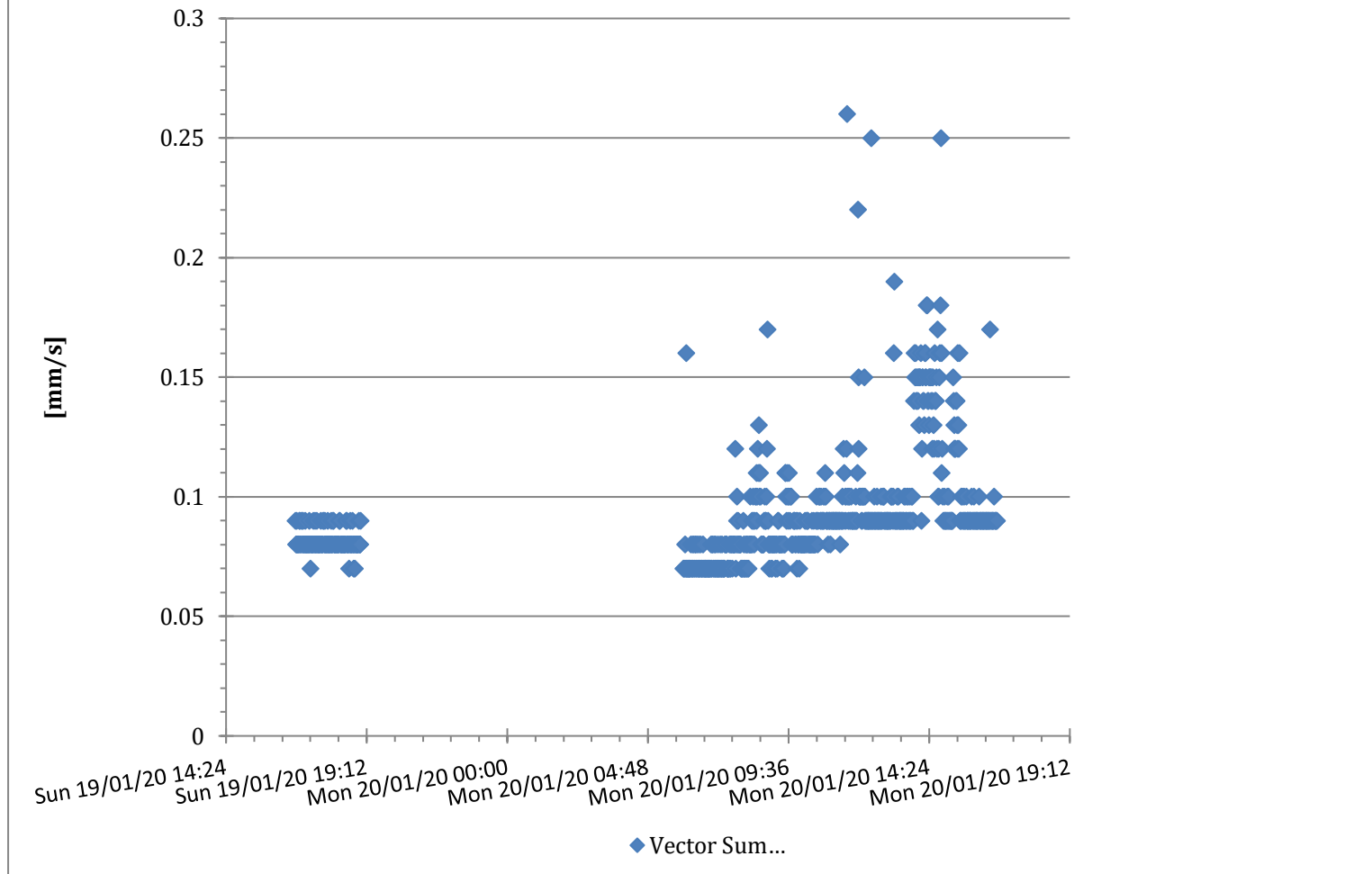




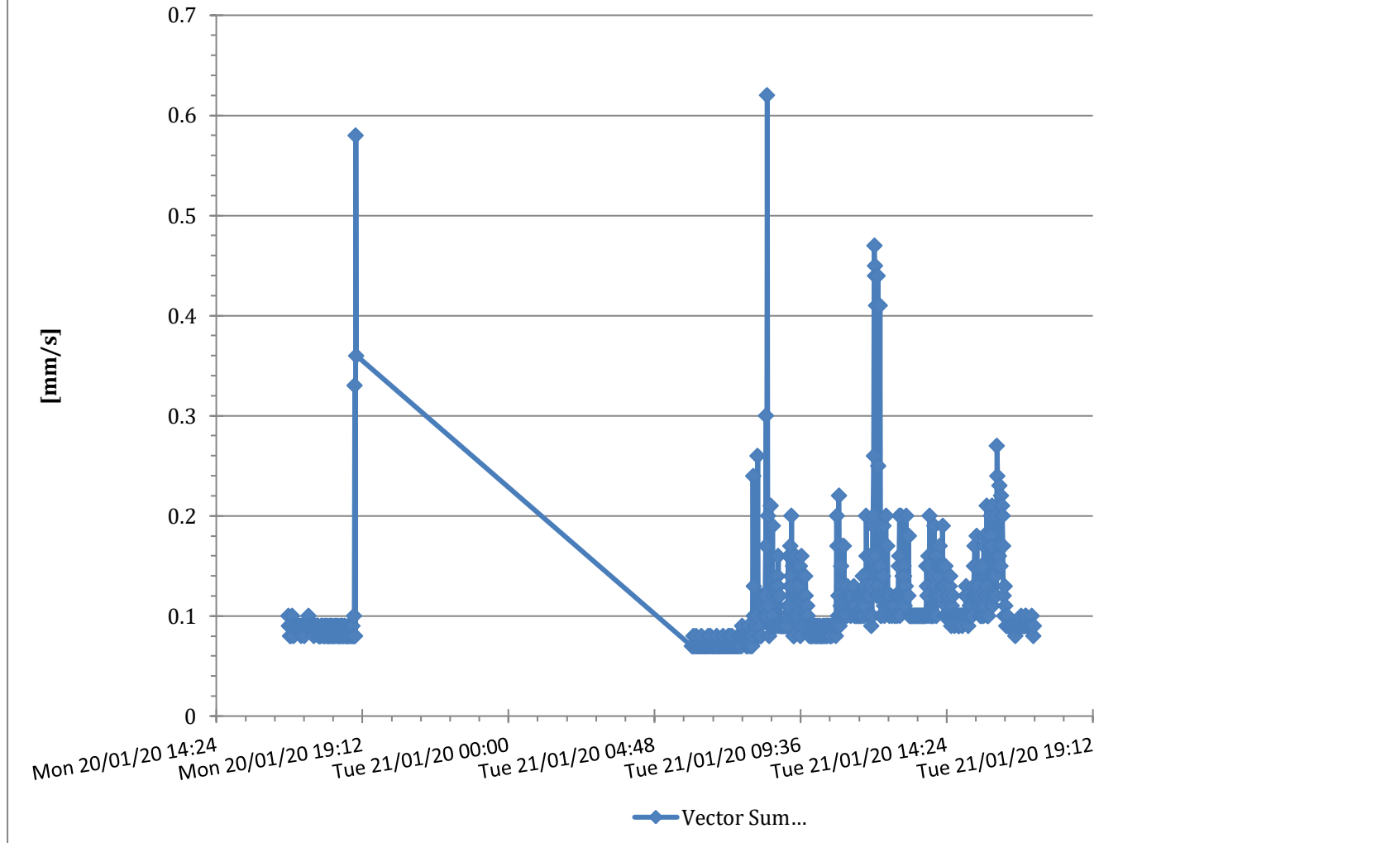
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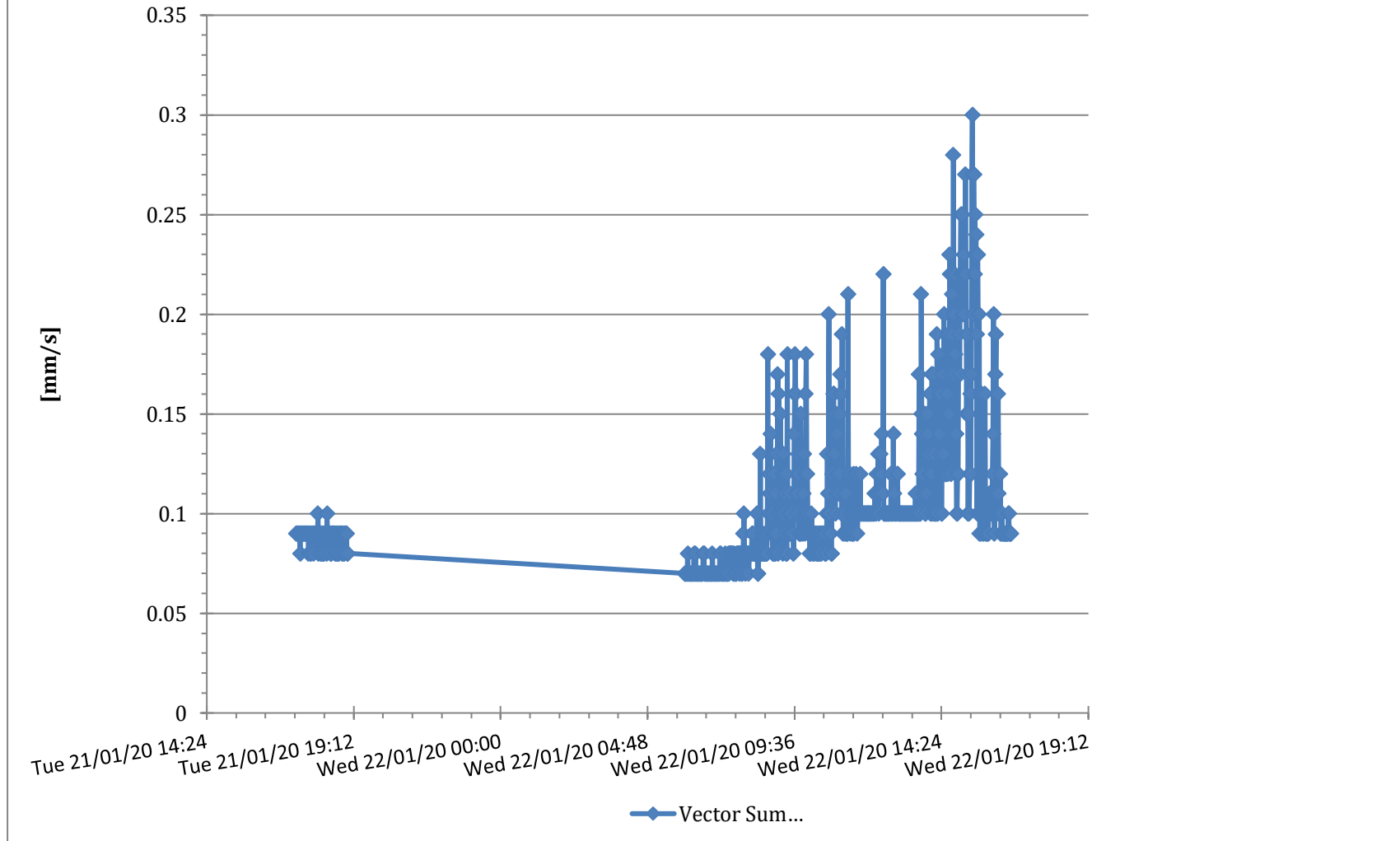
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### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance

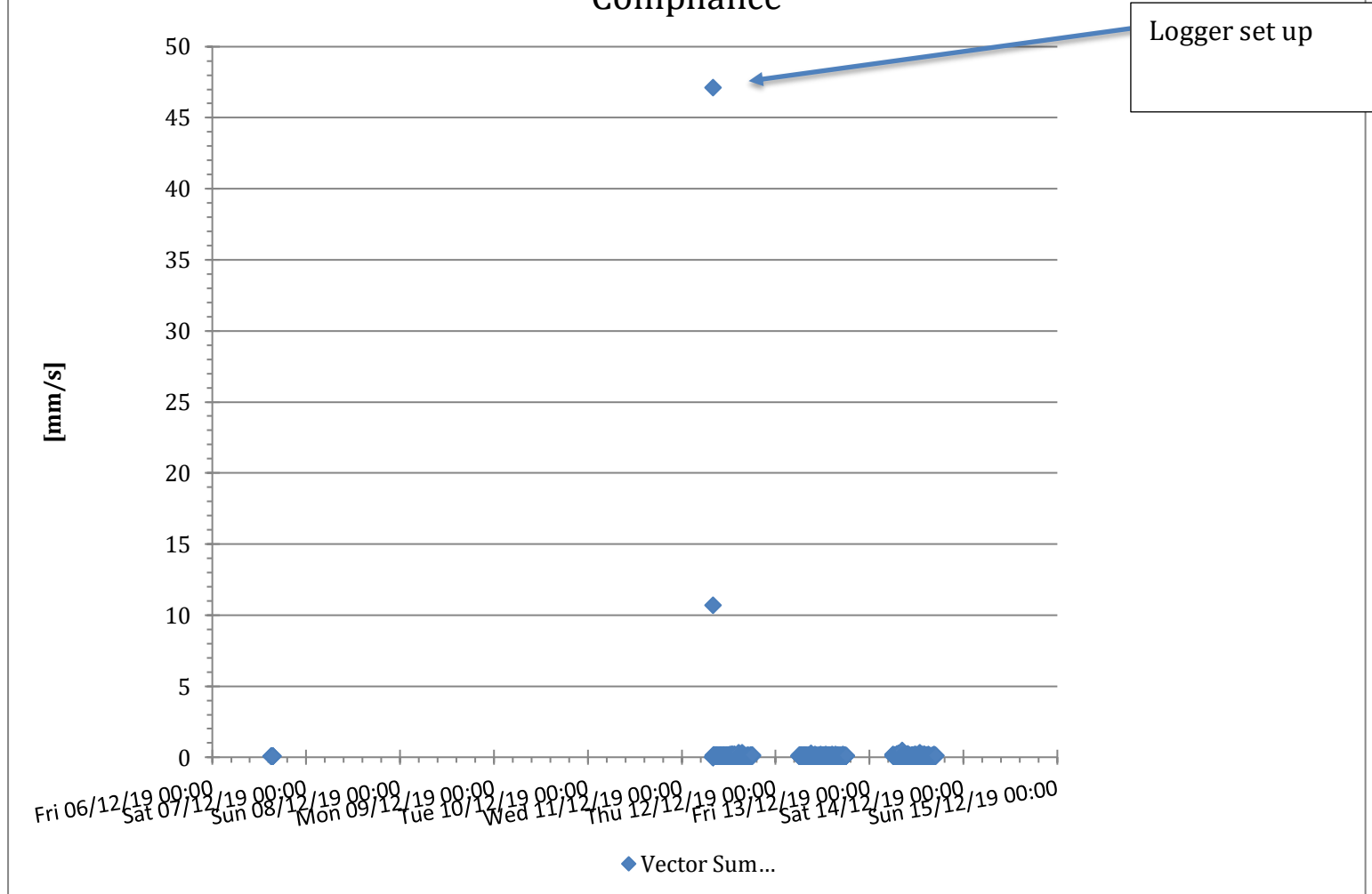


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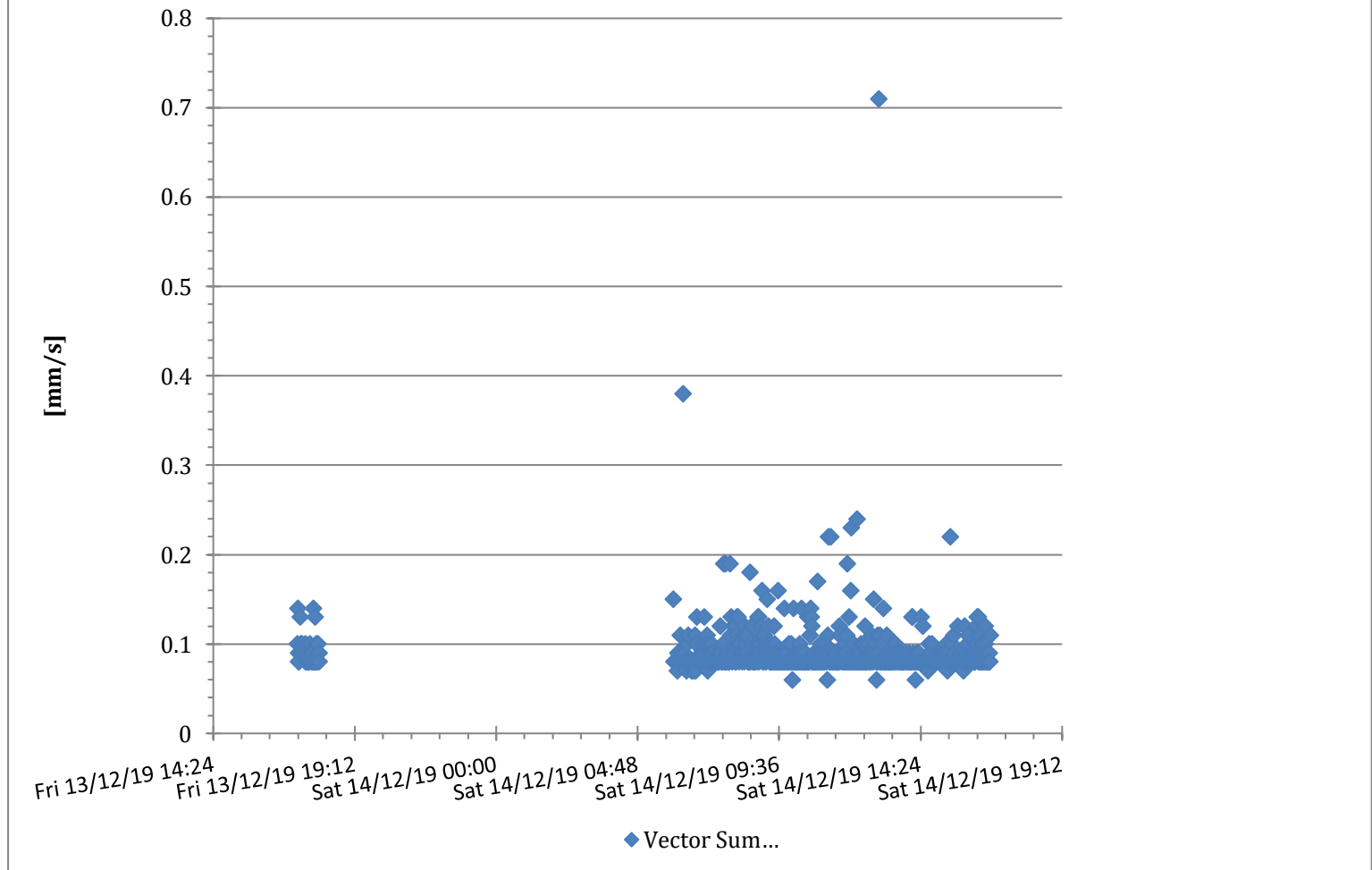


## **9 Appendix C –Logger Location 2 – Monitor M7542**

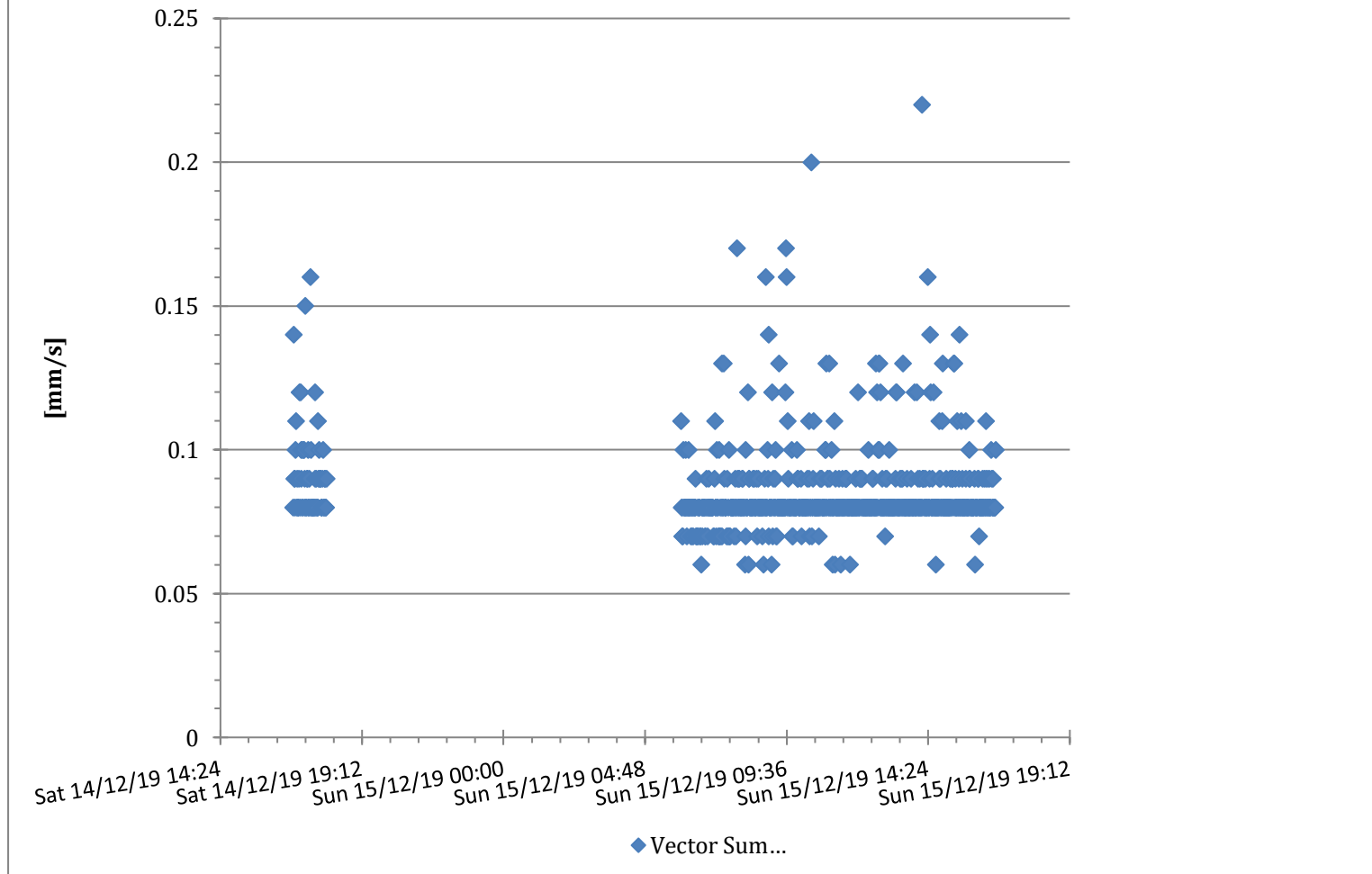
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### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

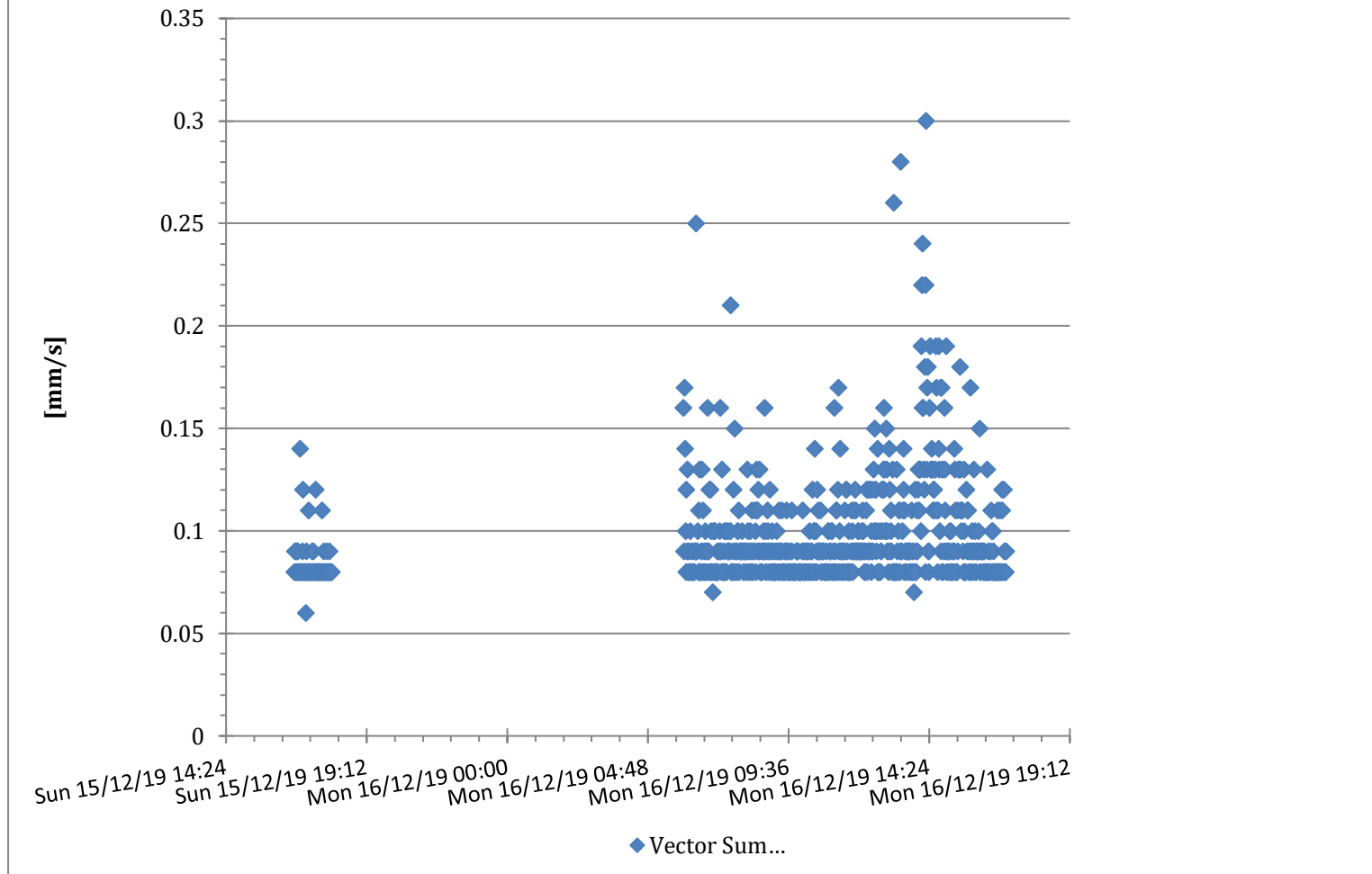


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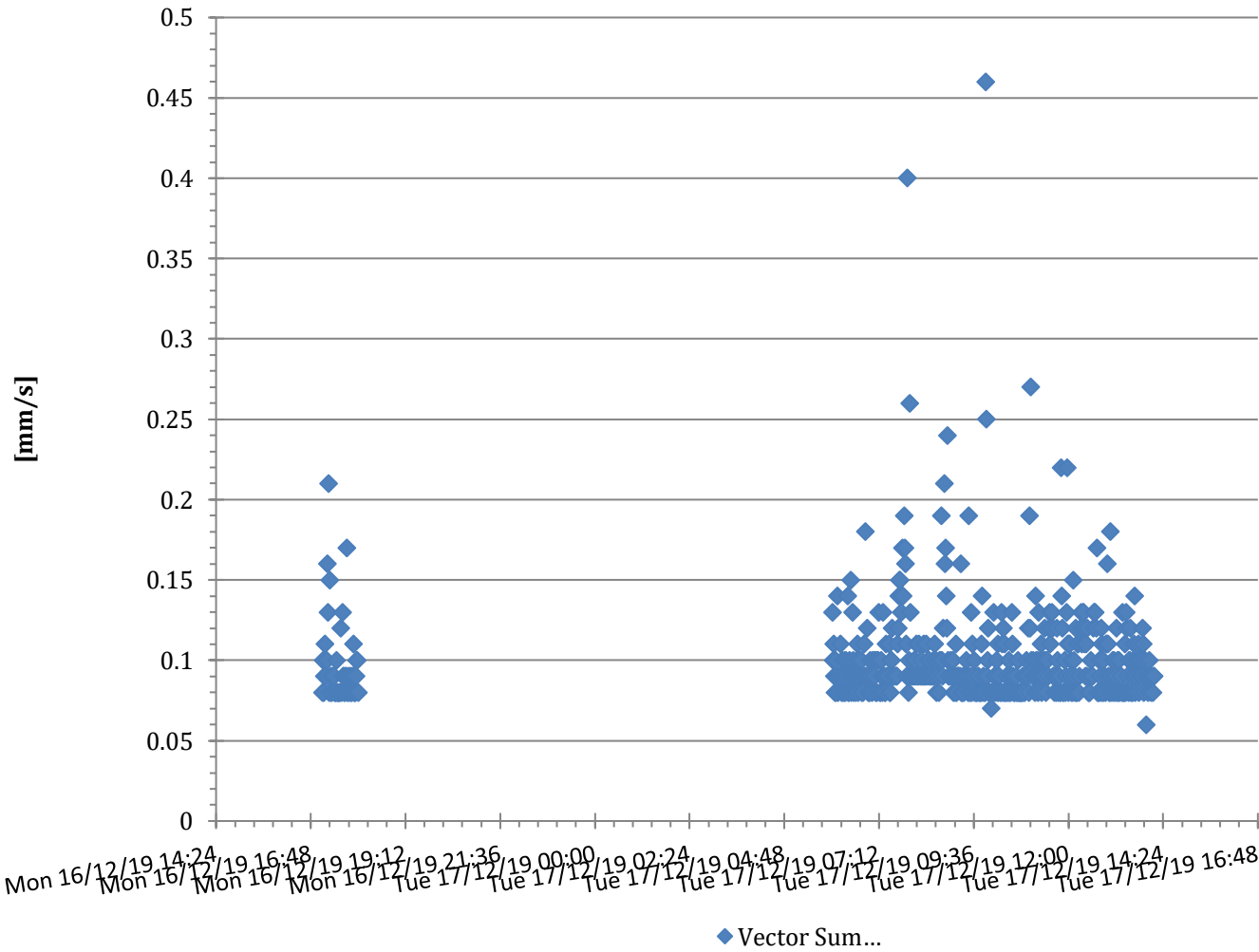




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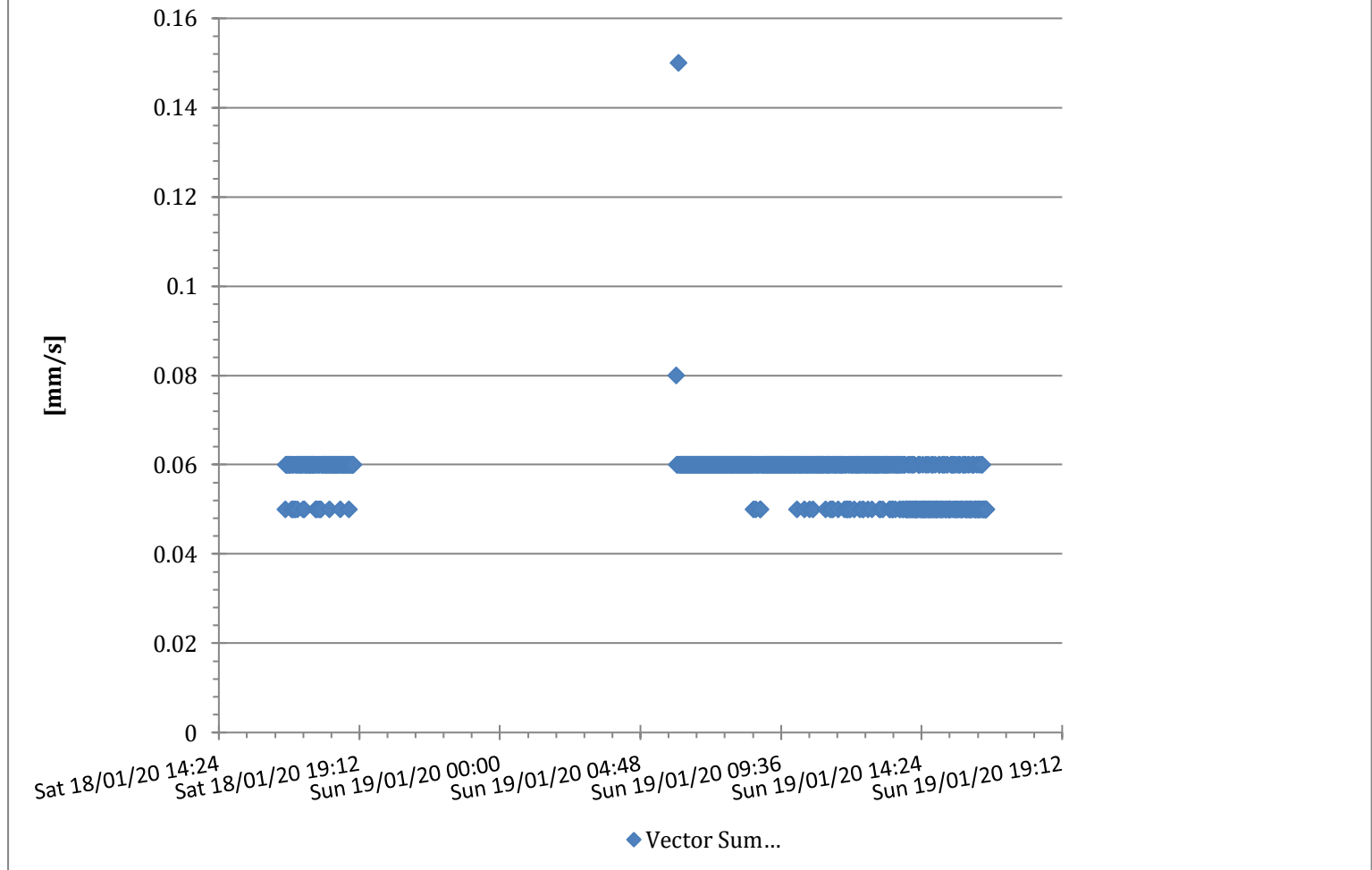


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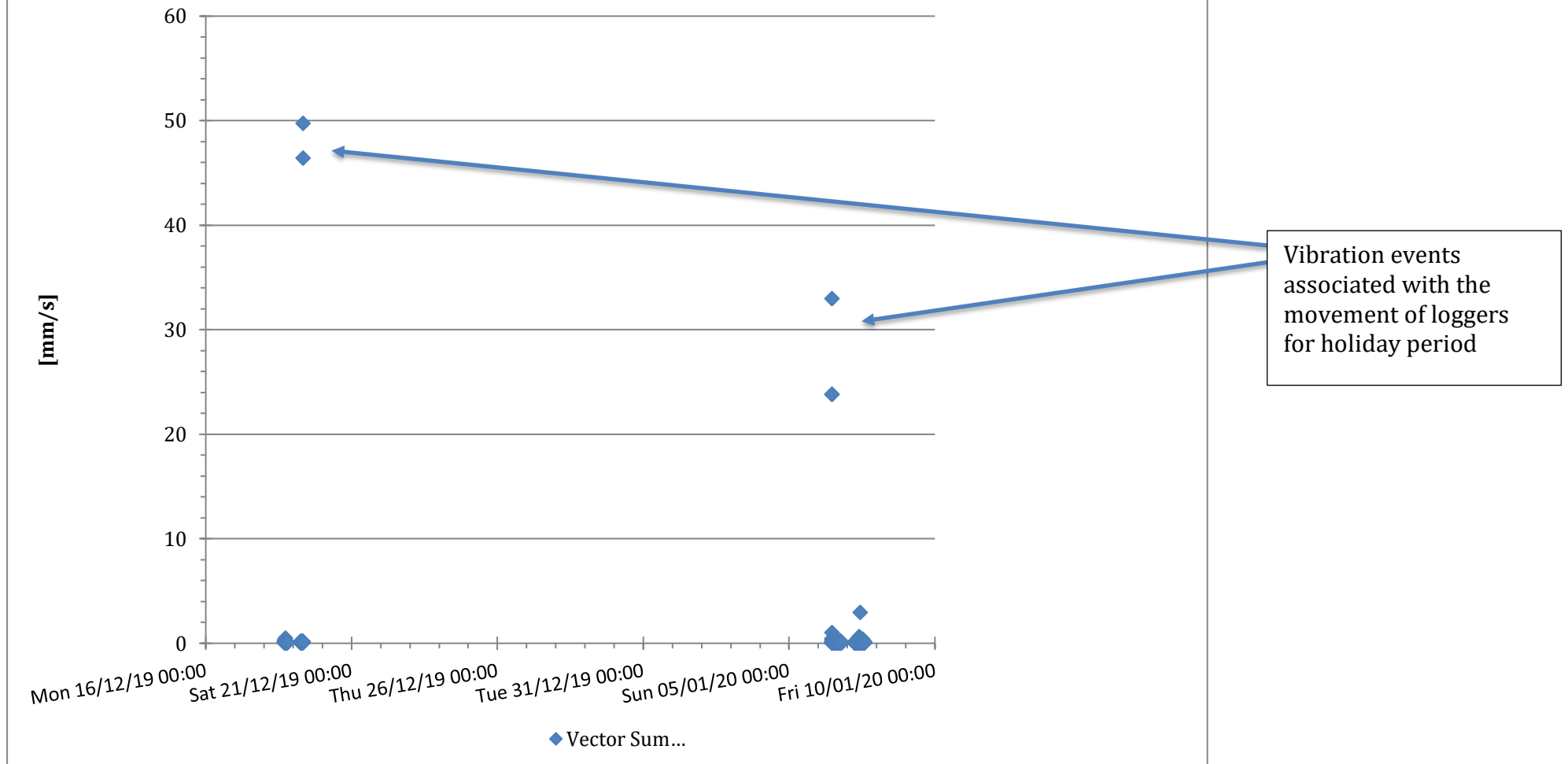




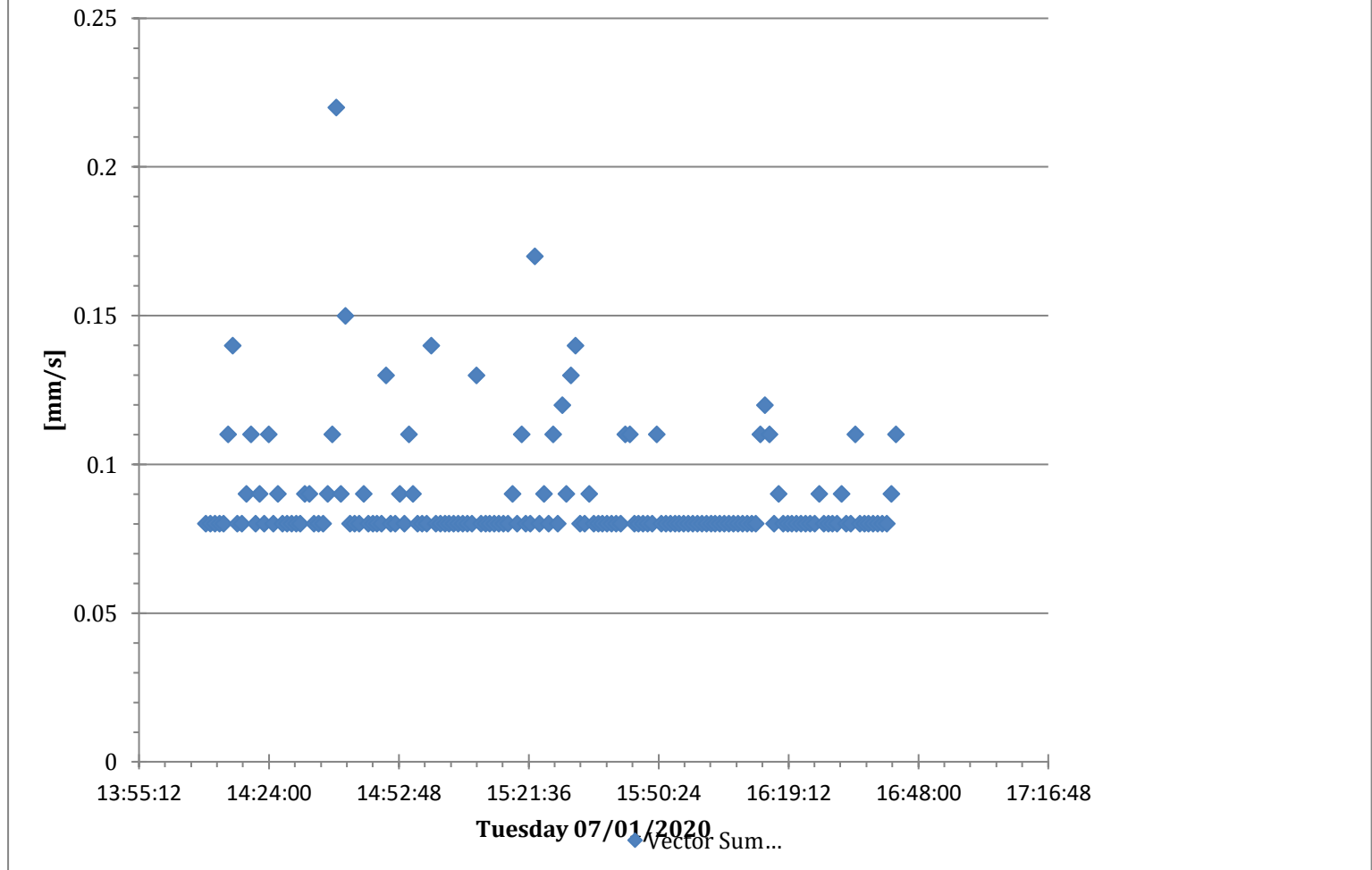
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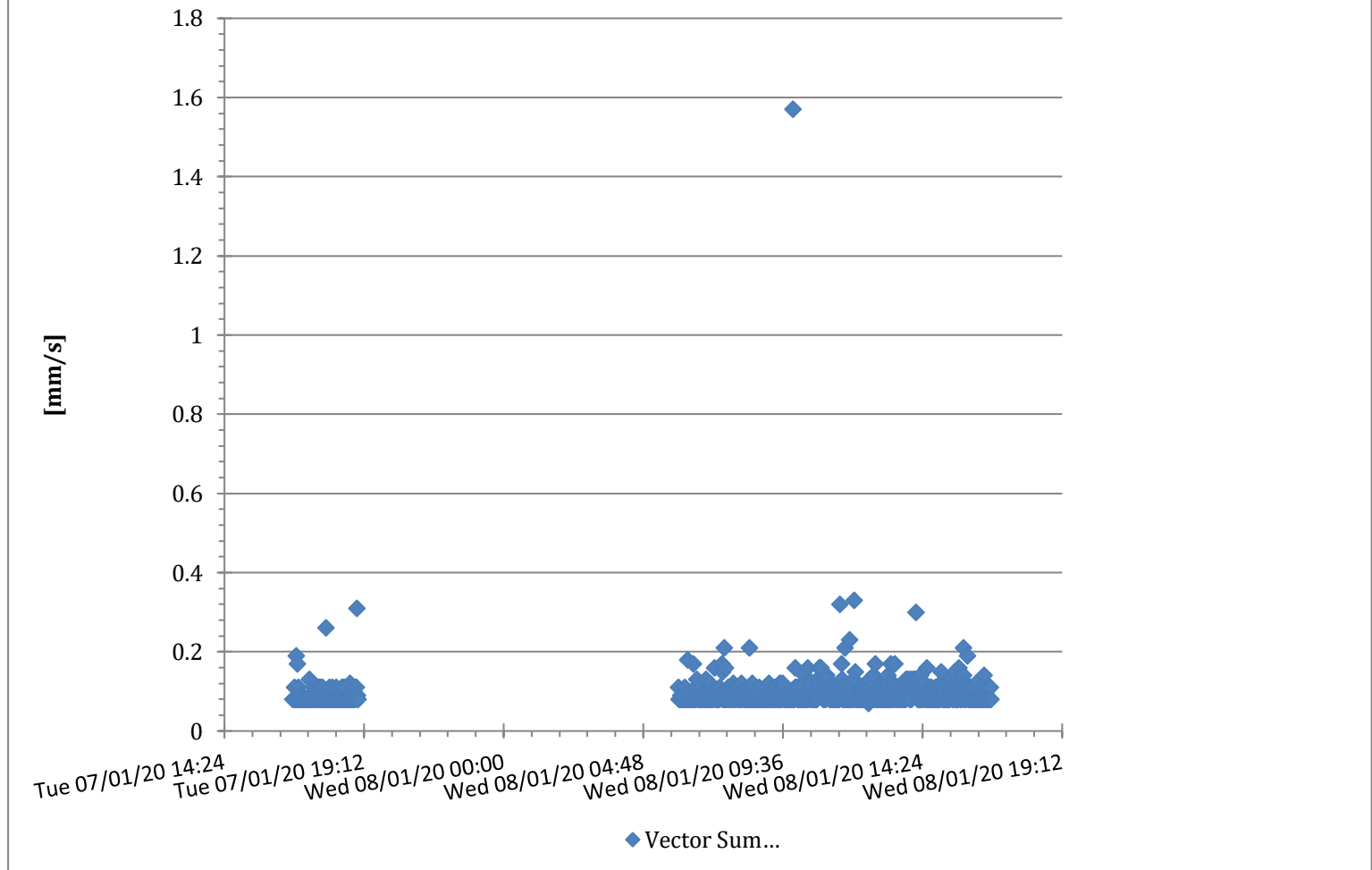
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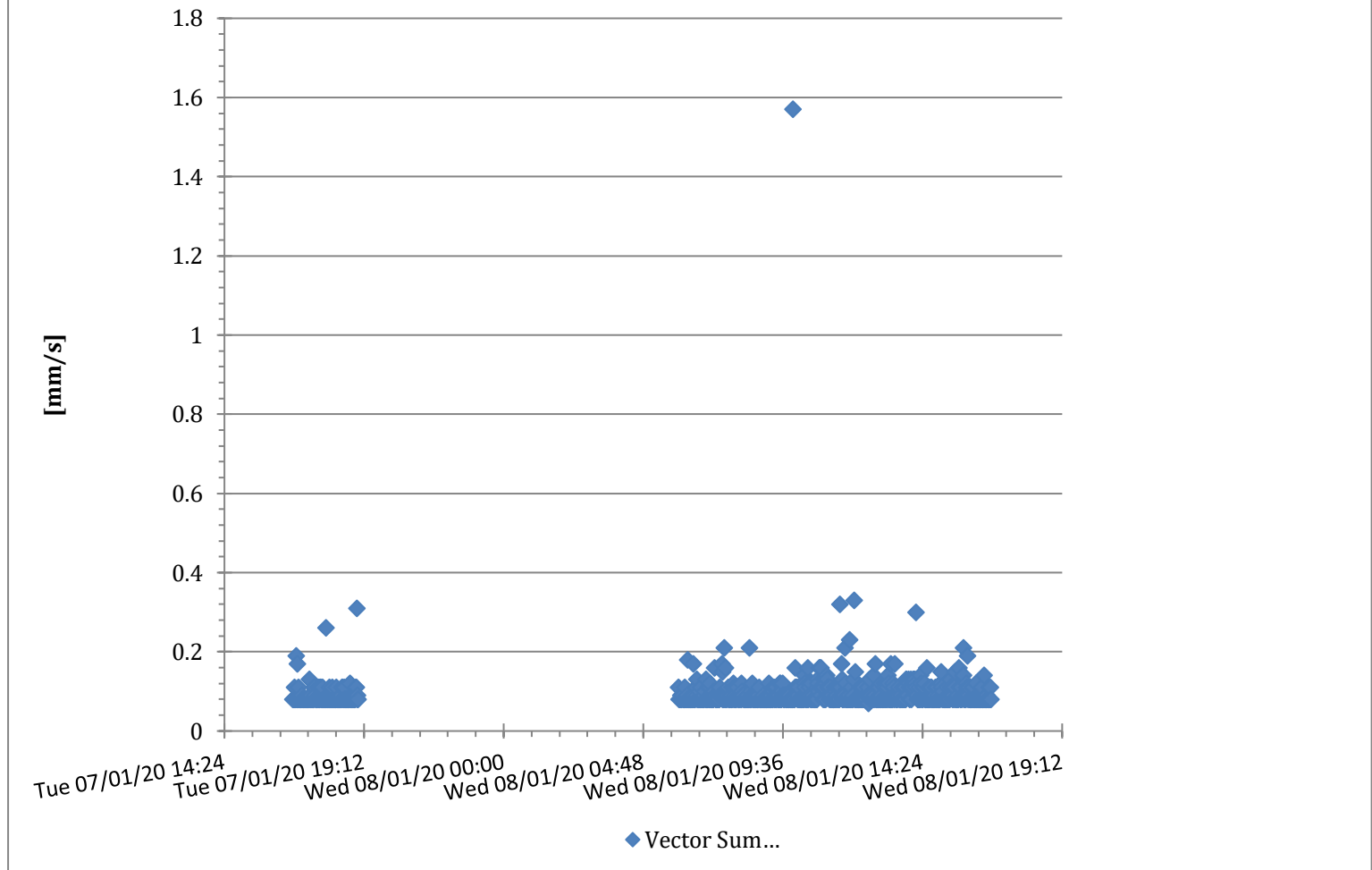
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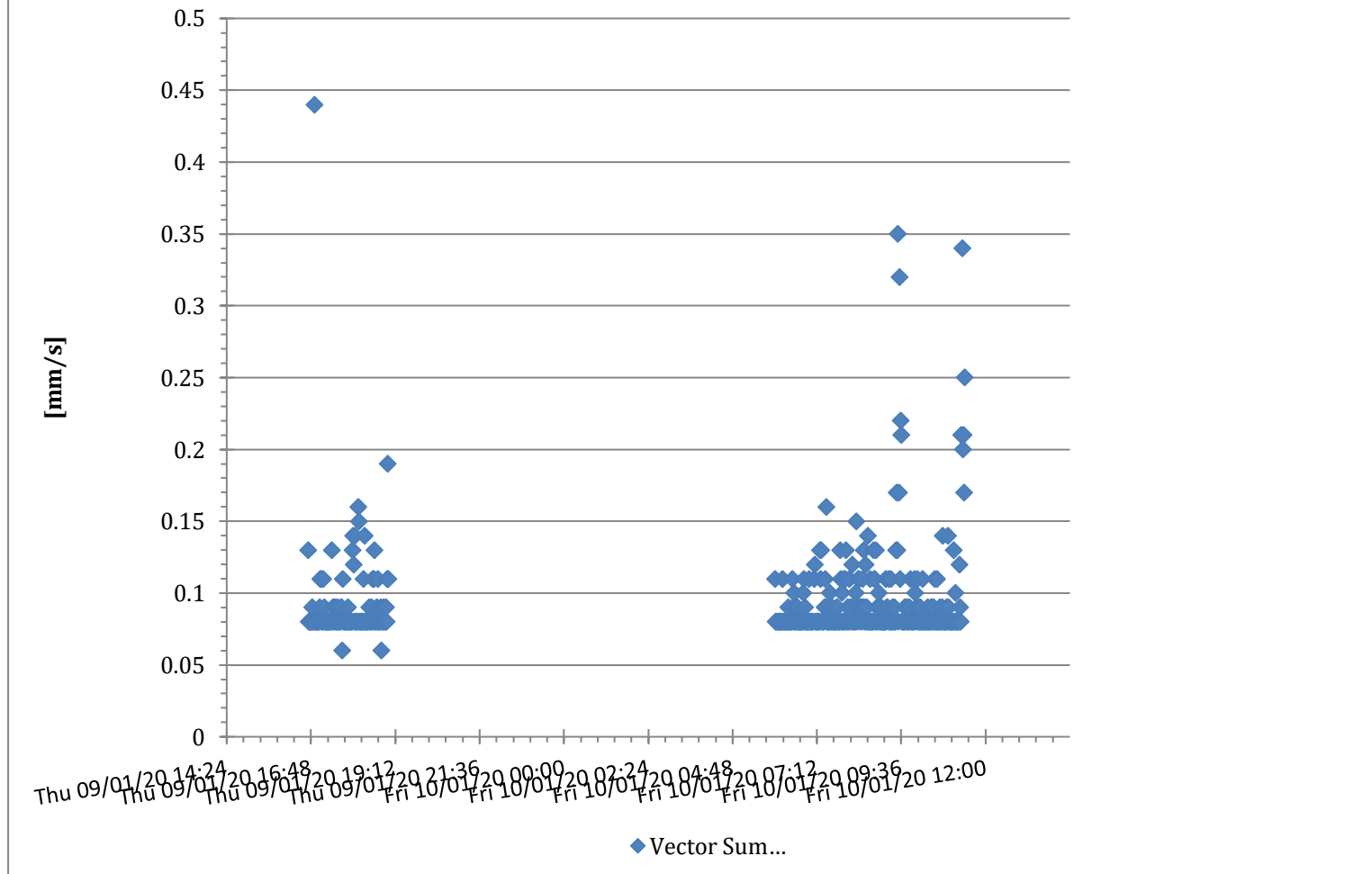


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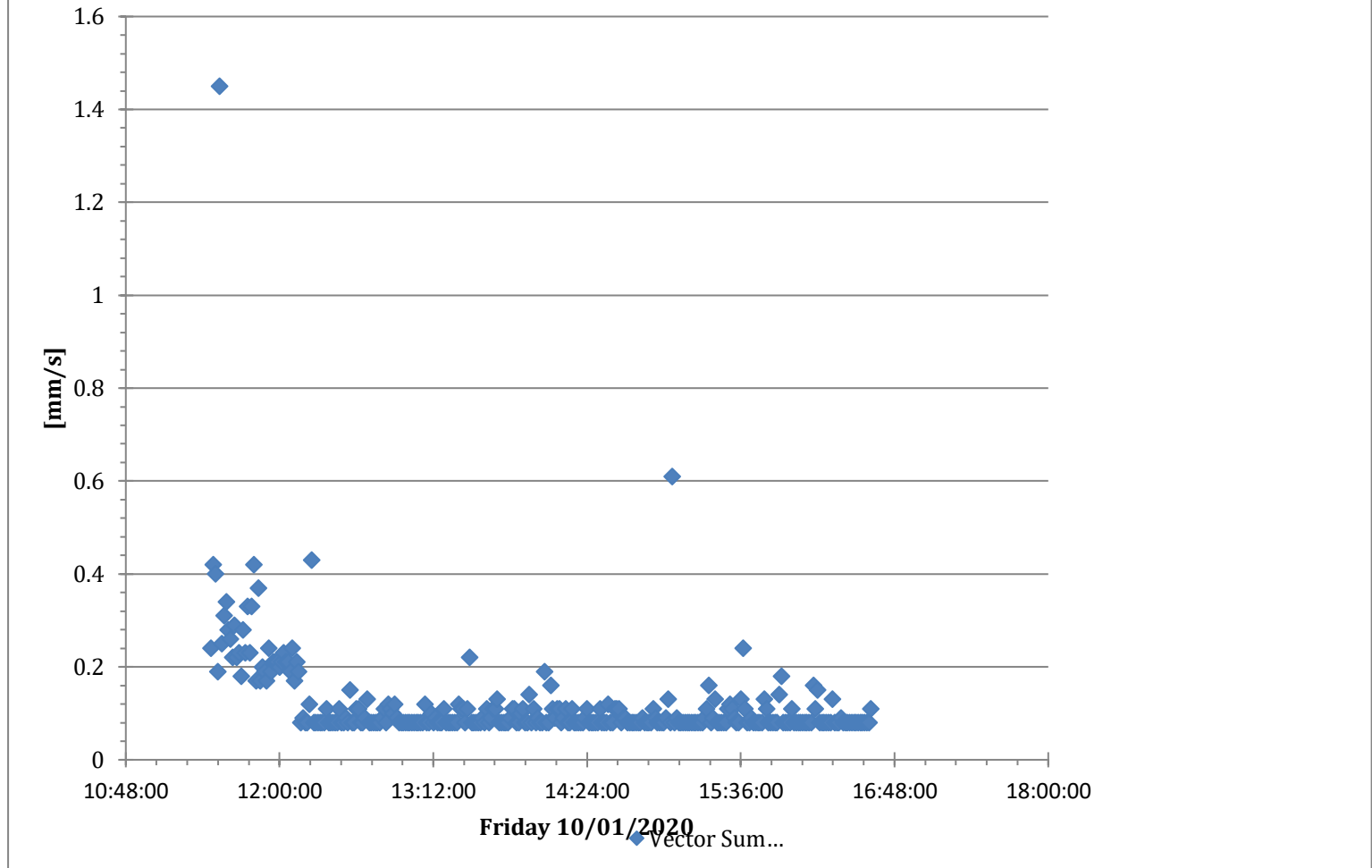




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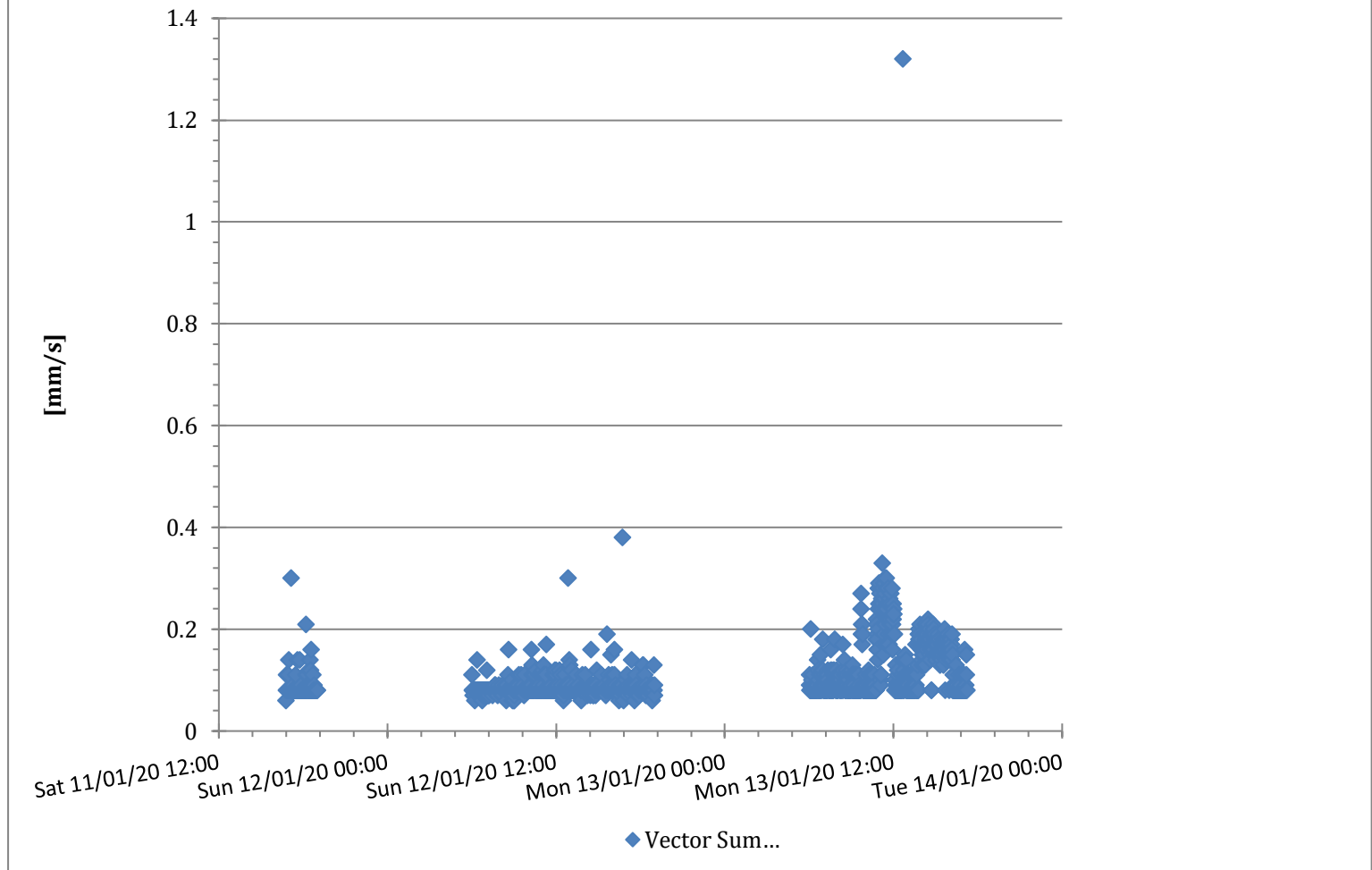


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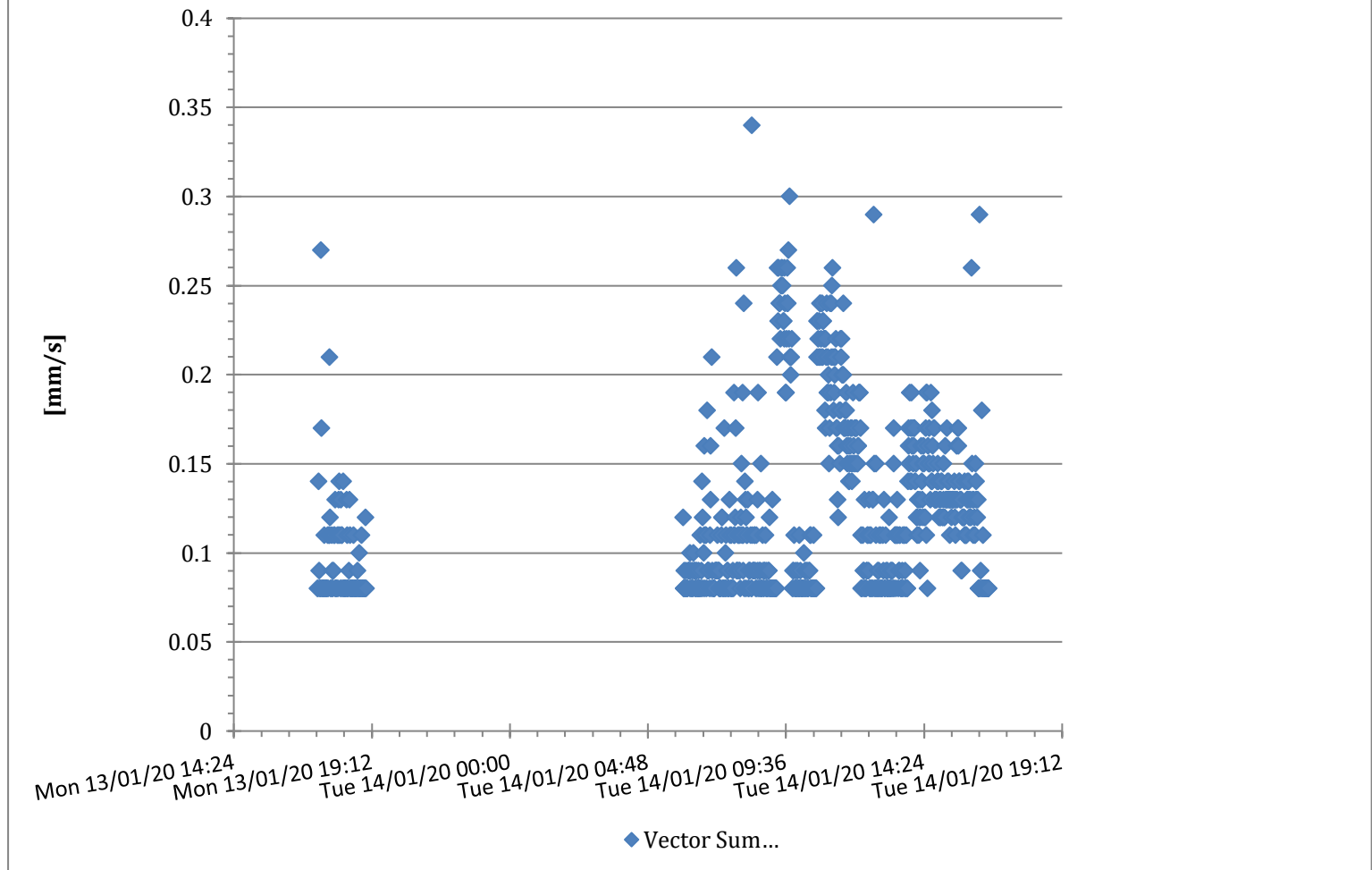




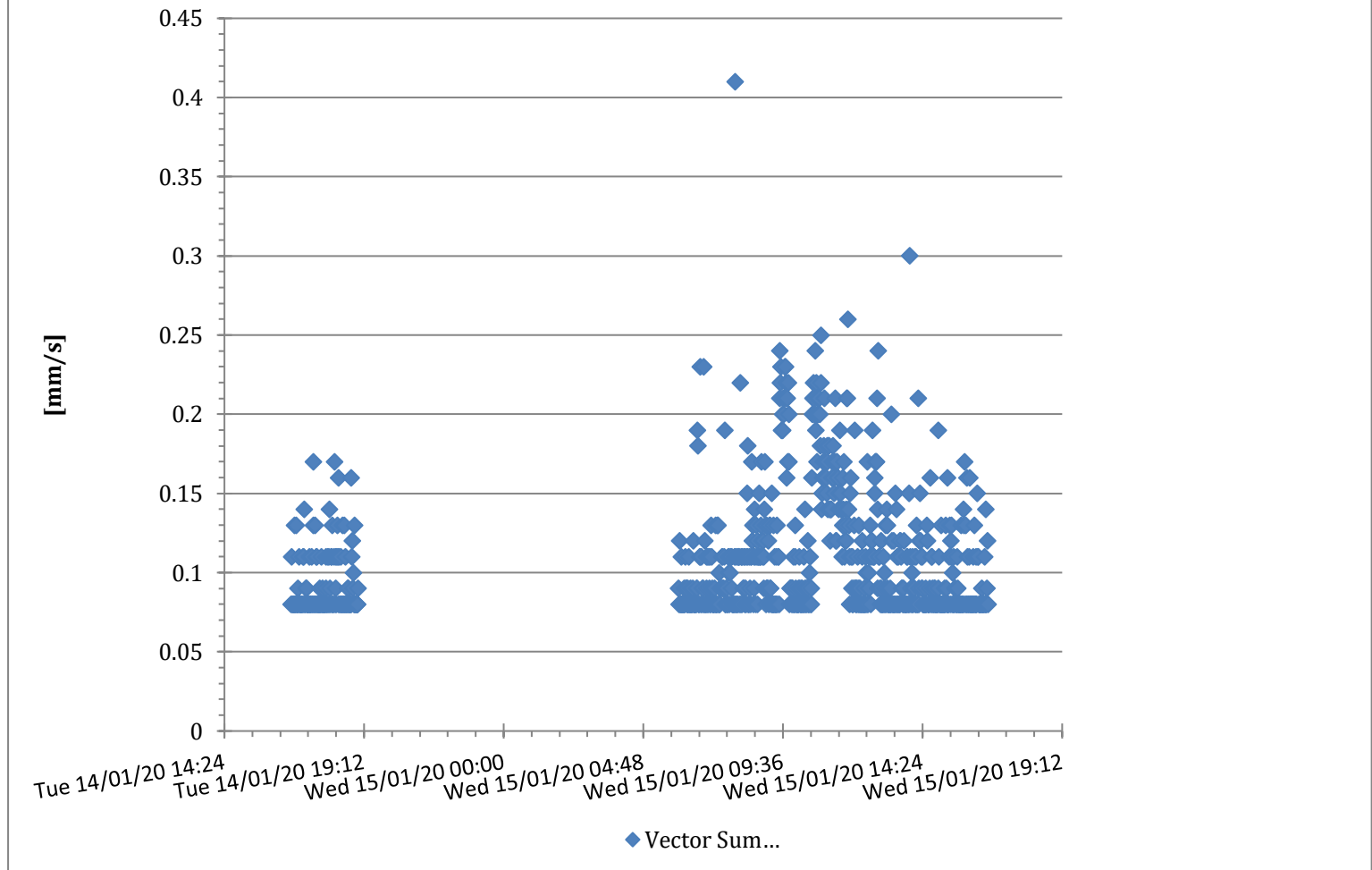
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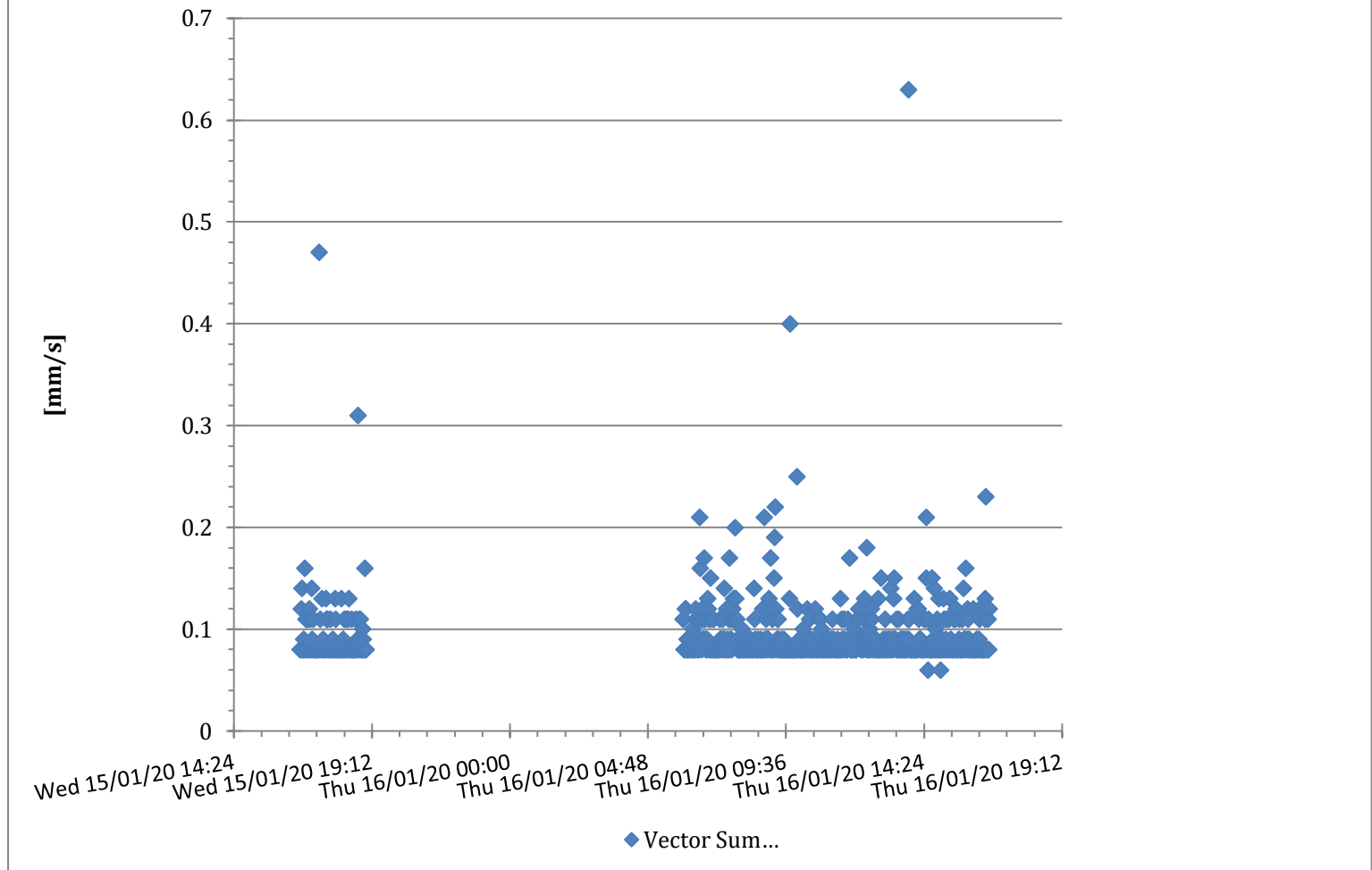
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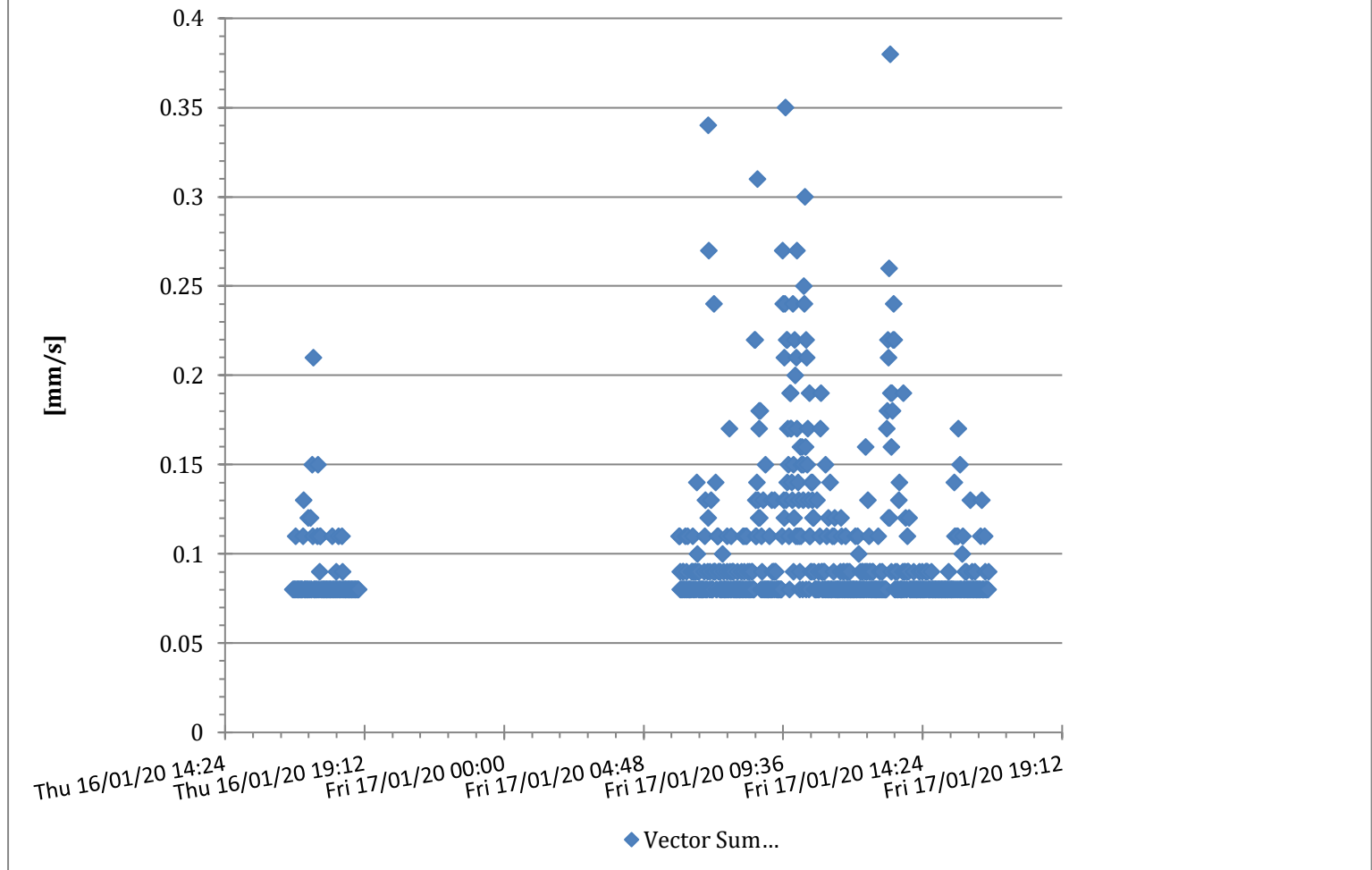
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### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

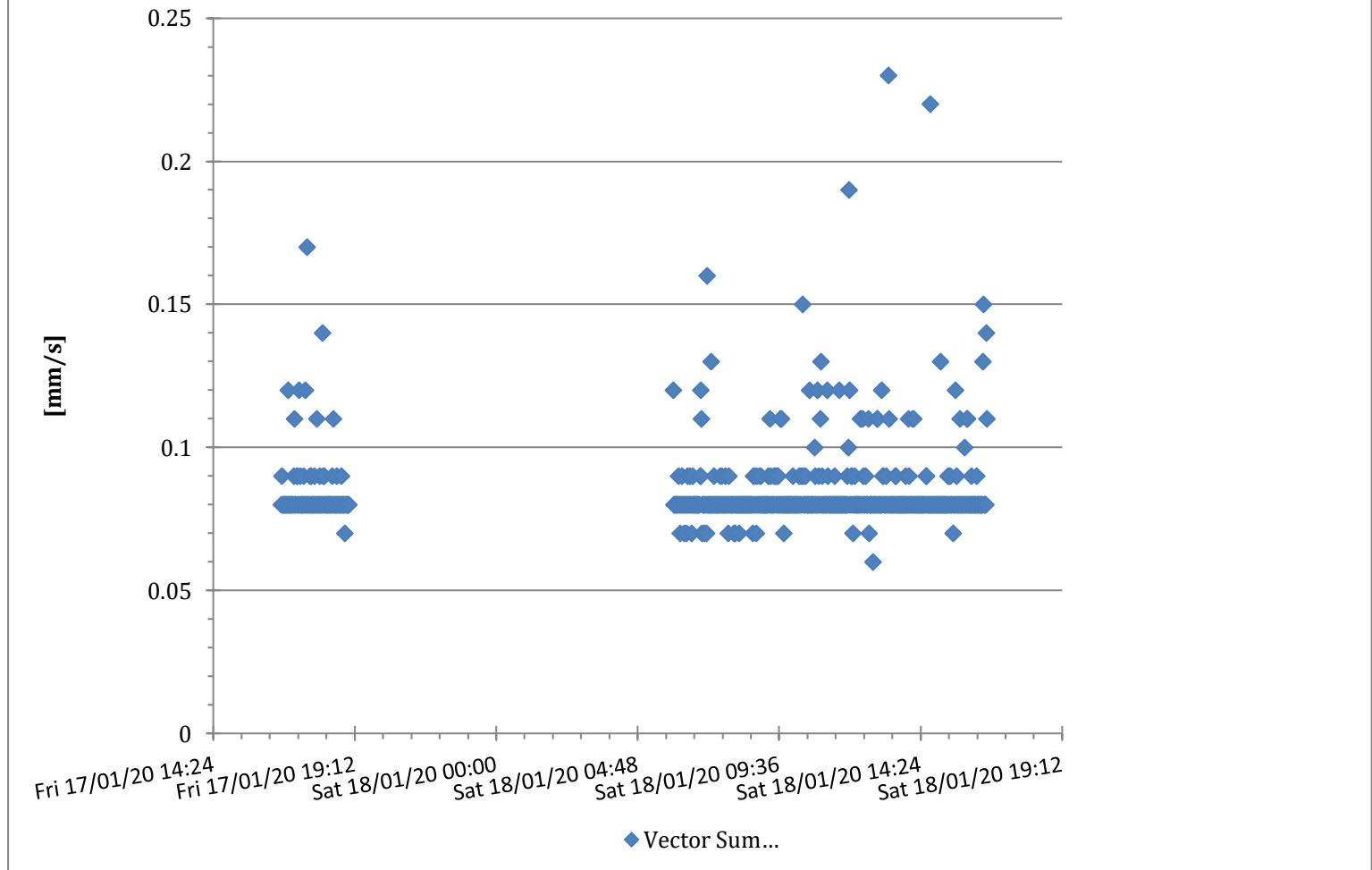


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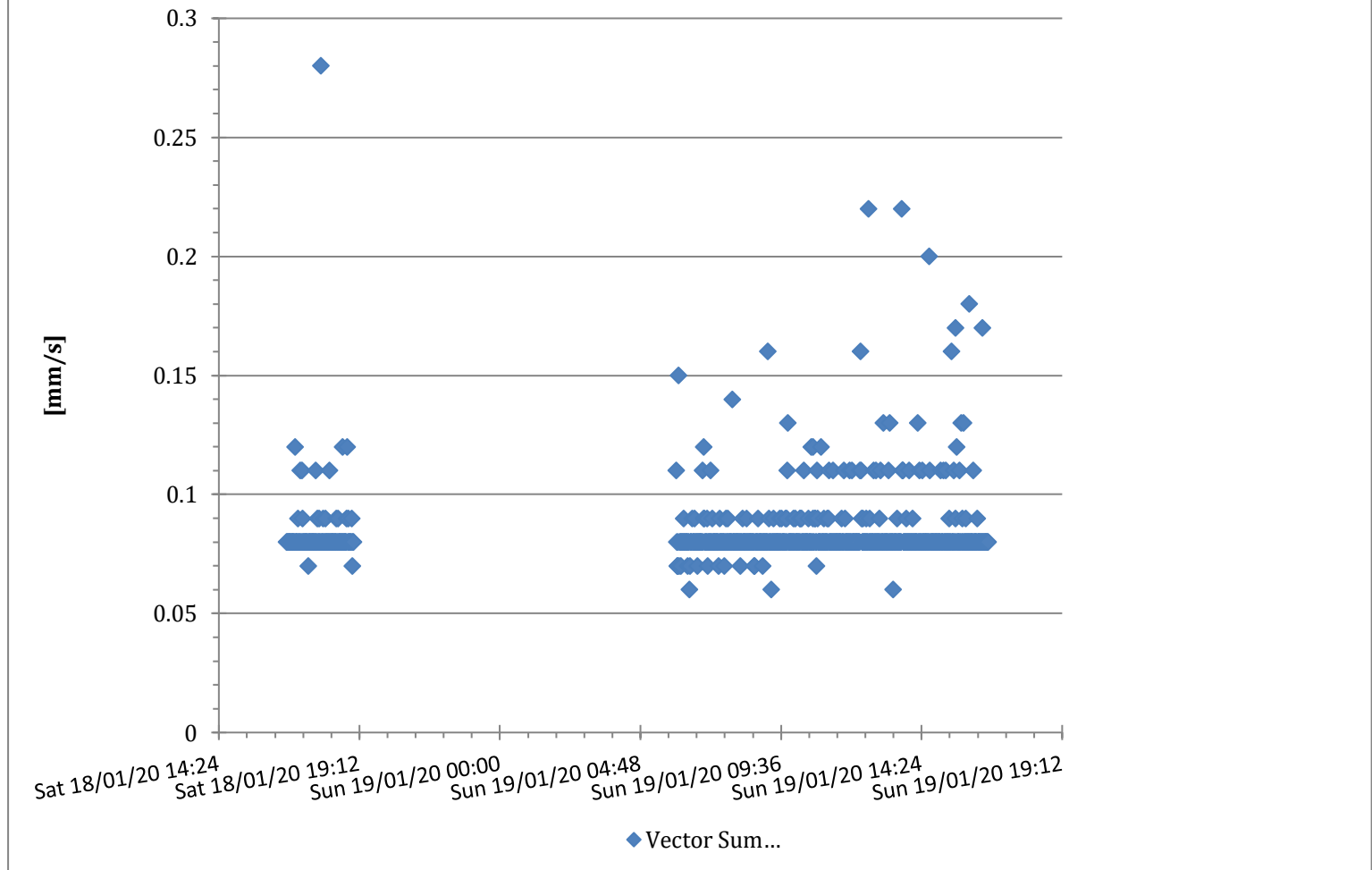




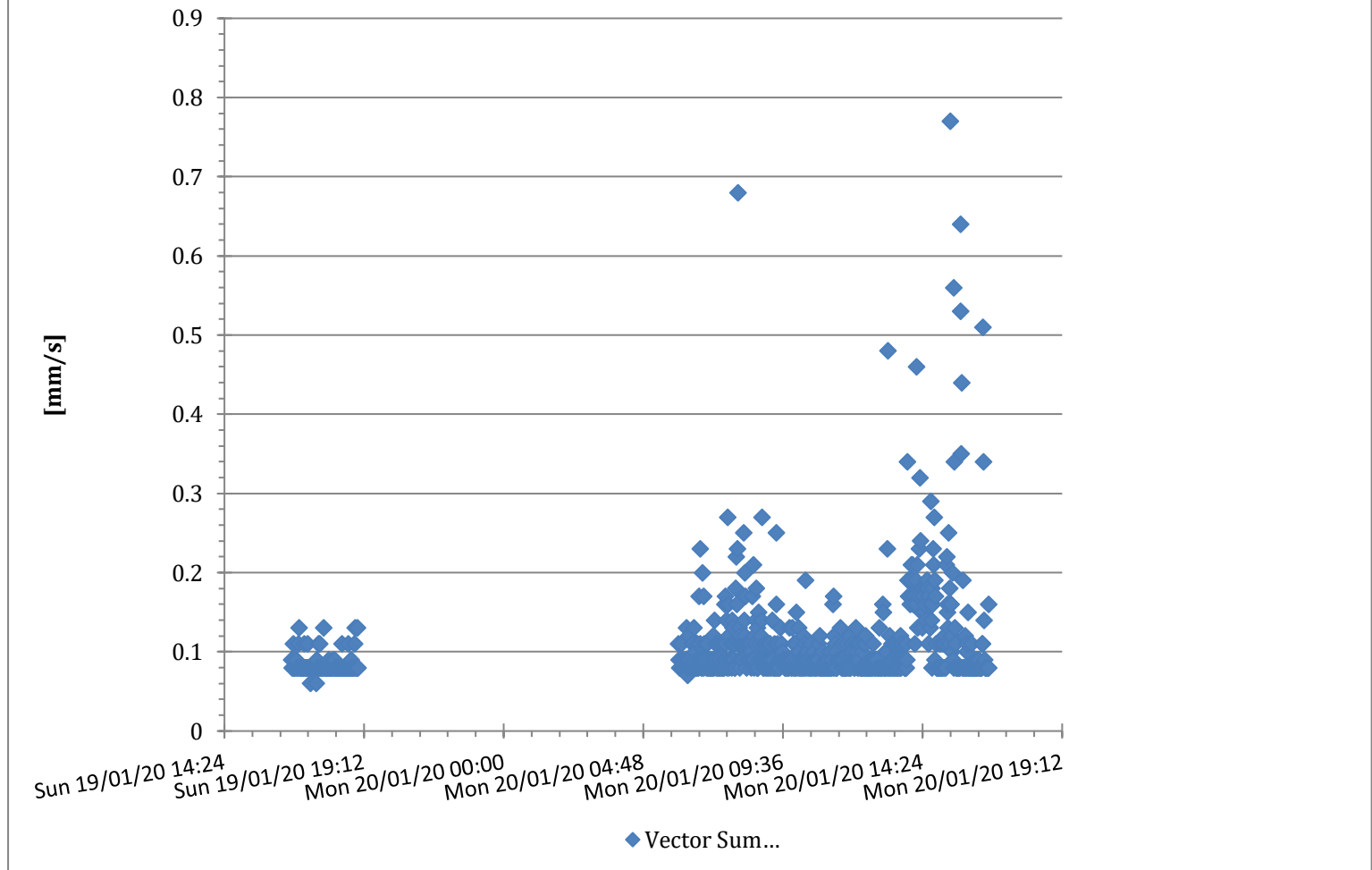
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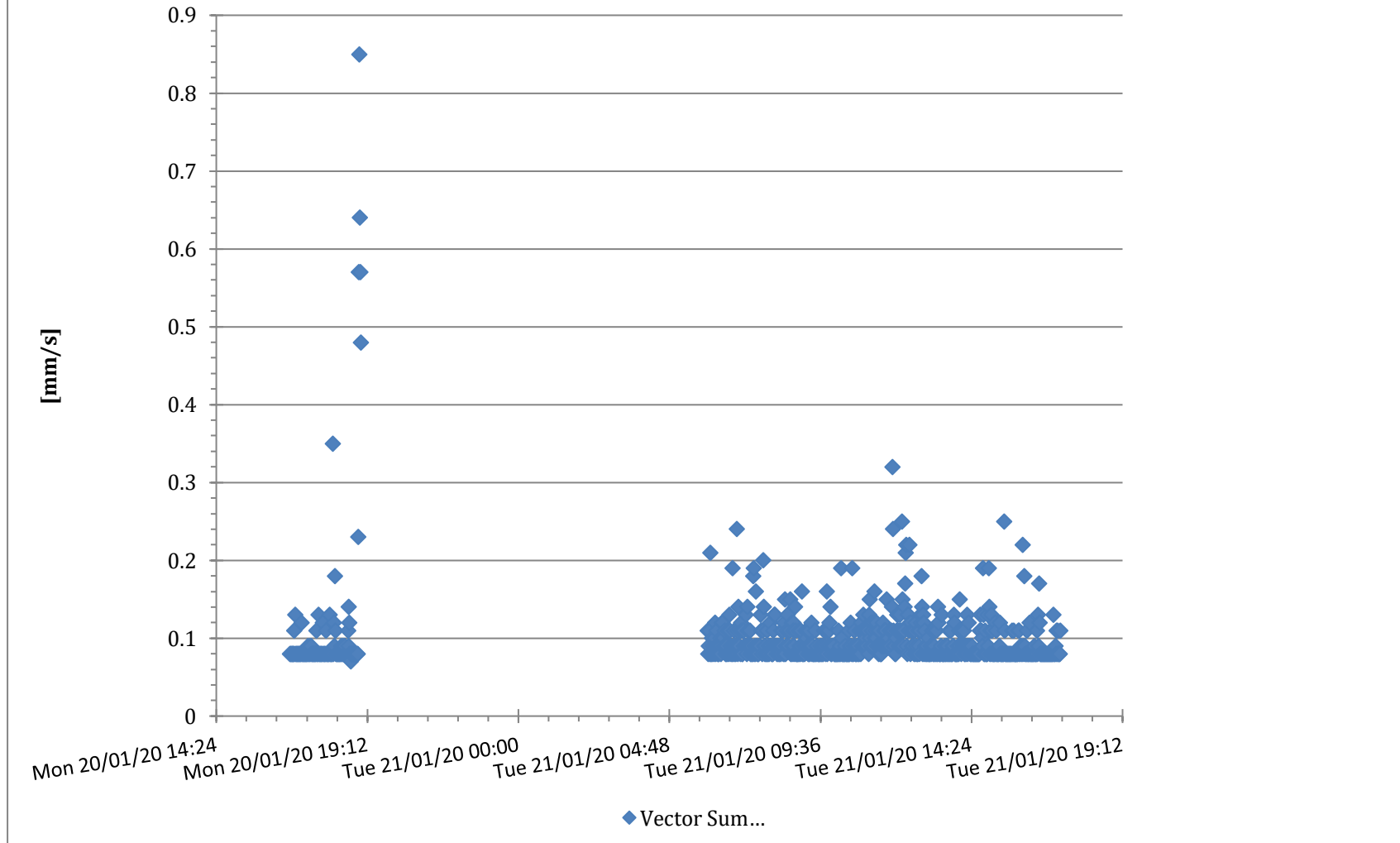
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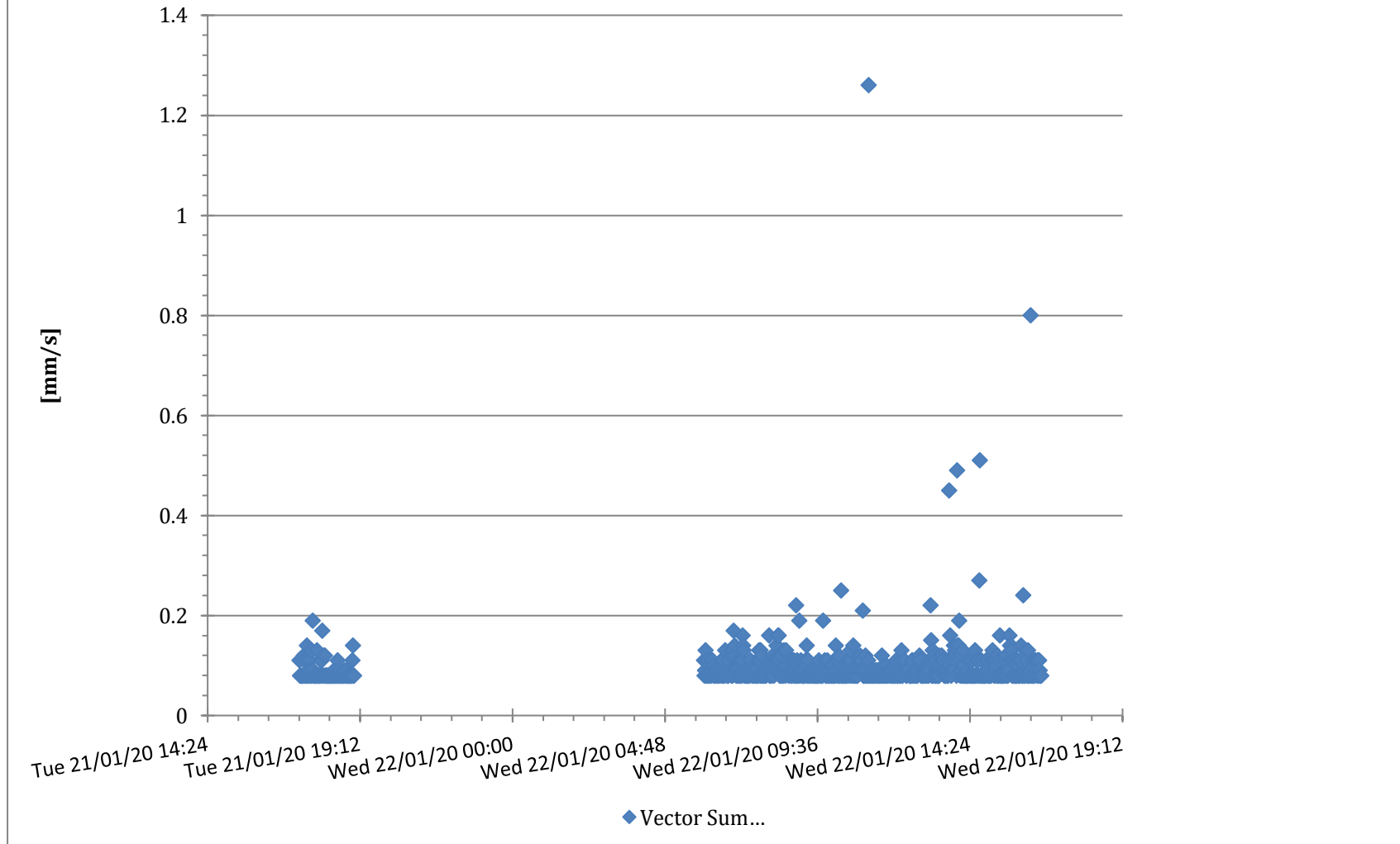
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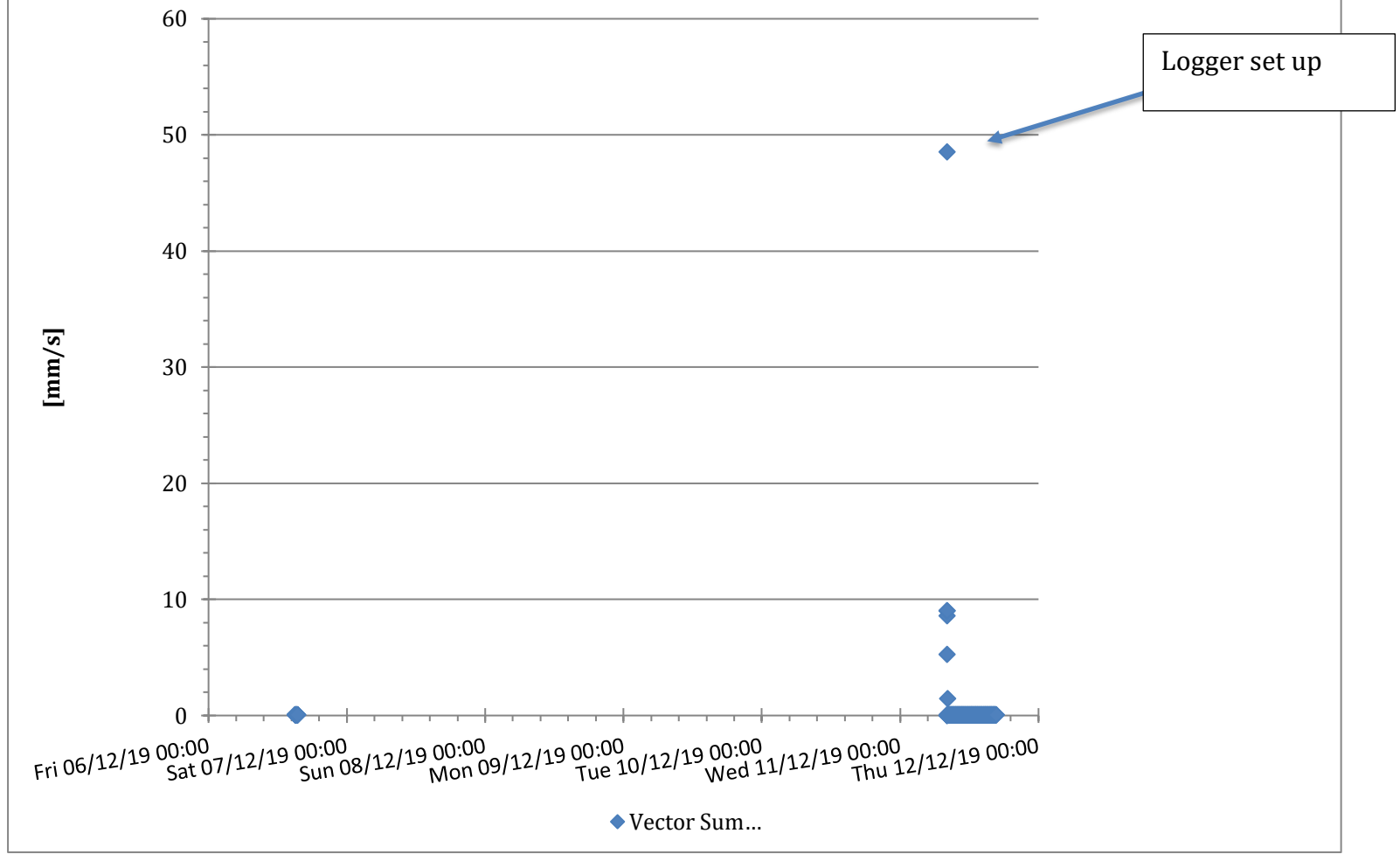


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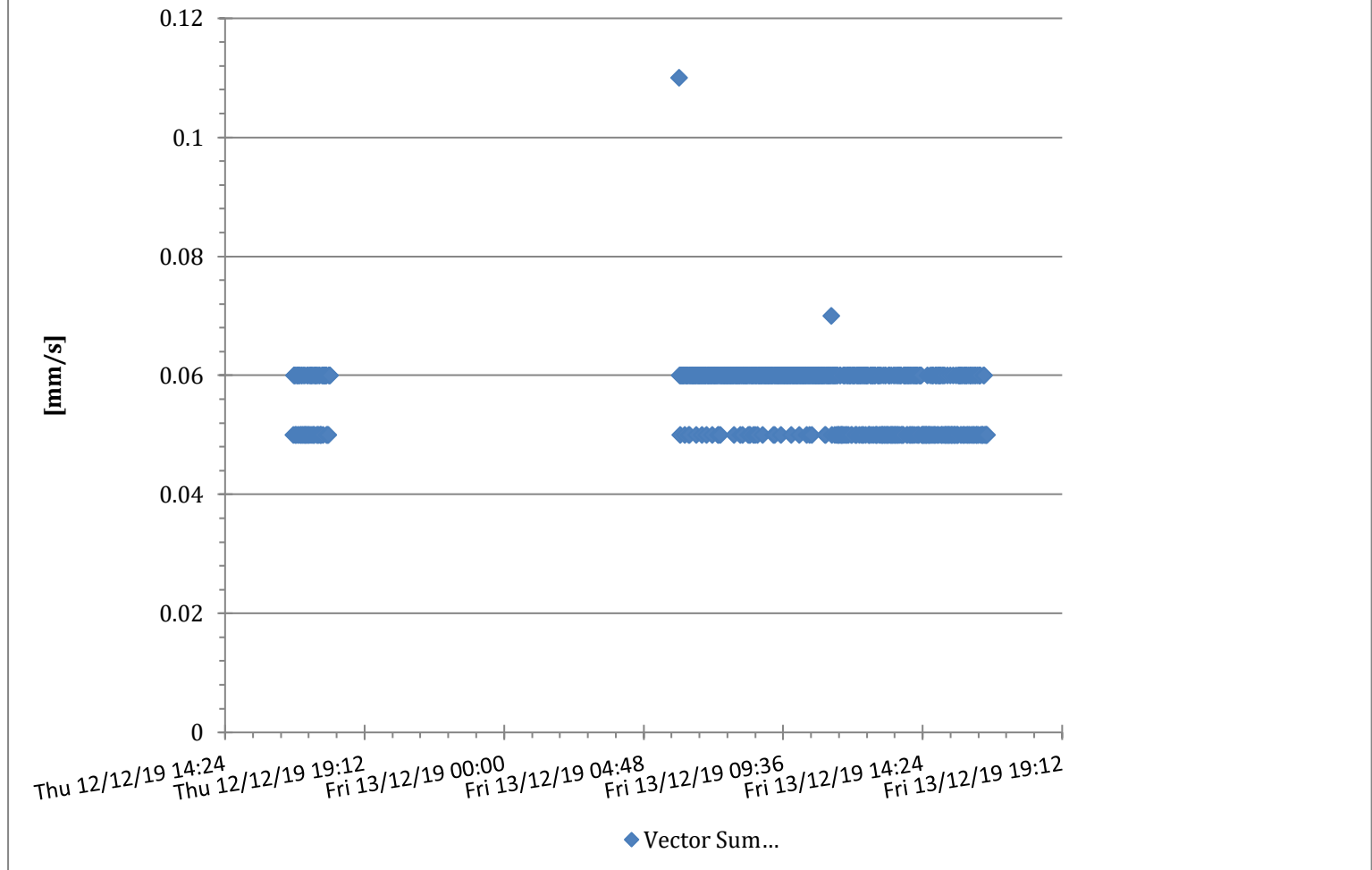


## **10 Appendix D –Logger Location 3 – Monitor M7541**

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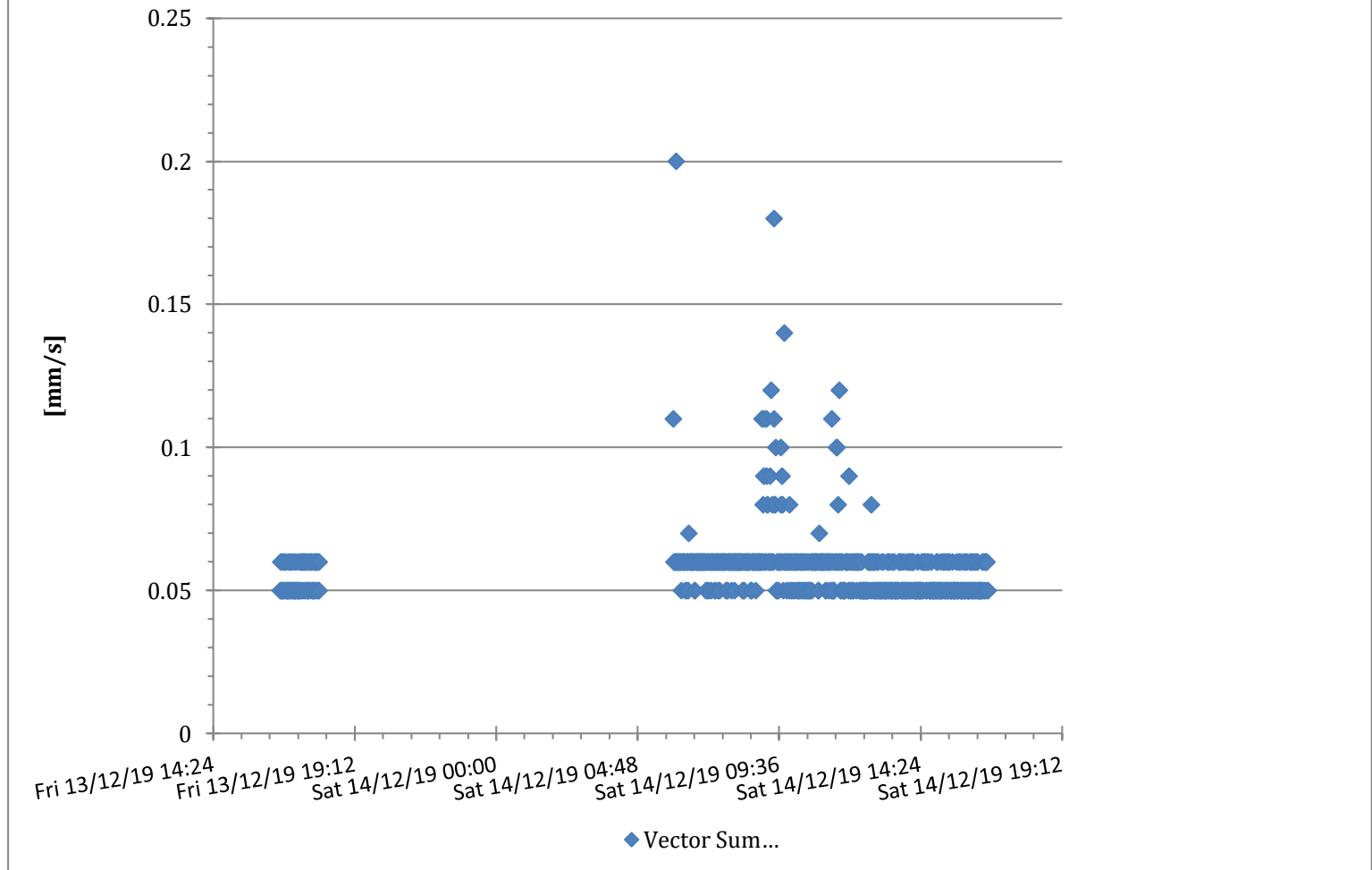


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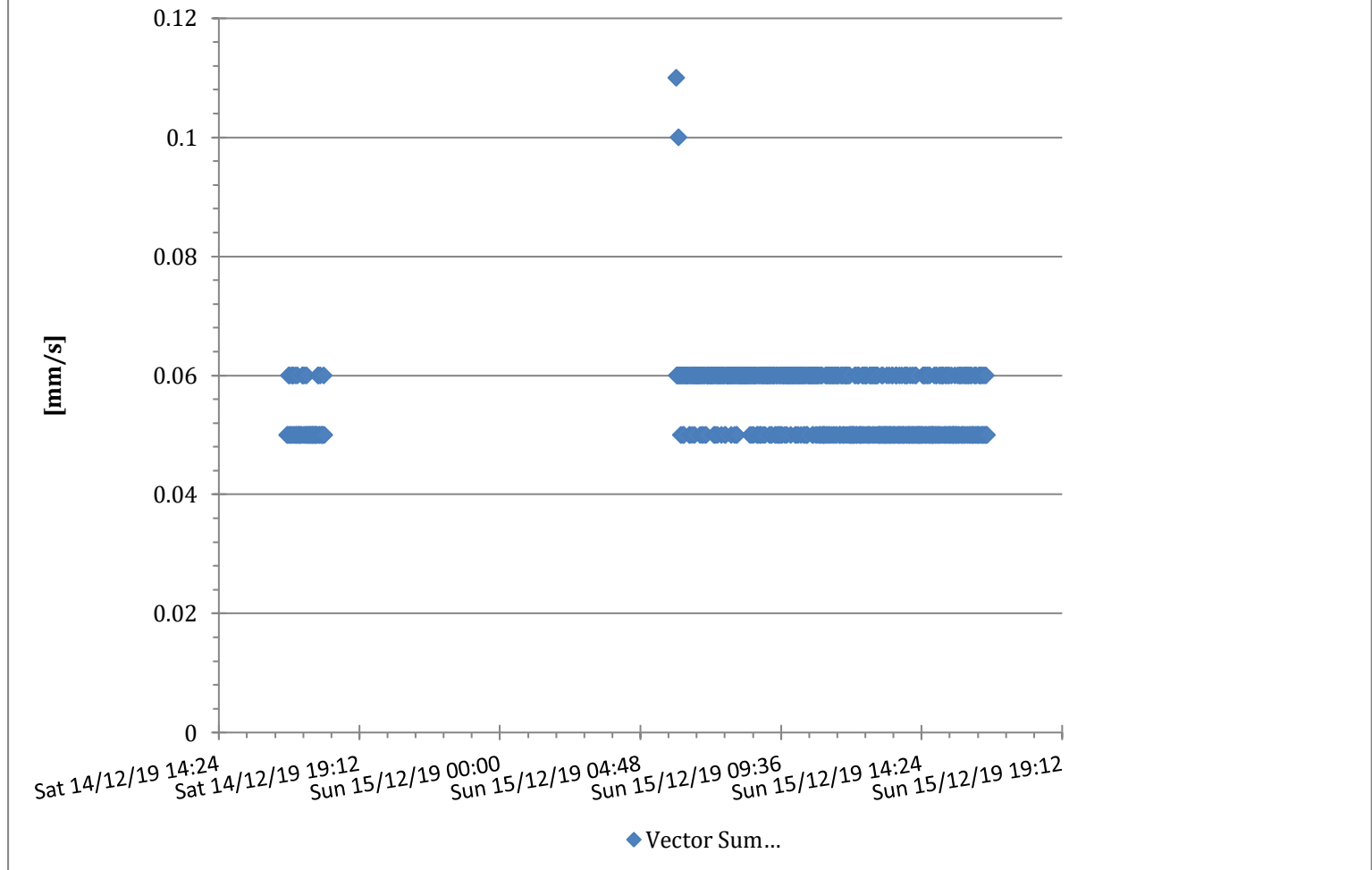




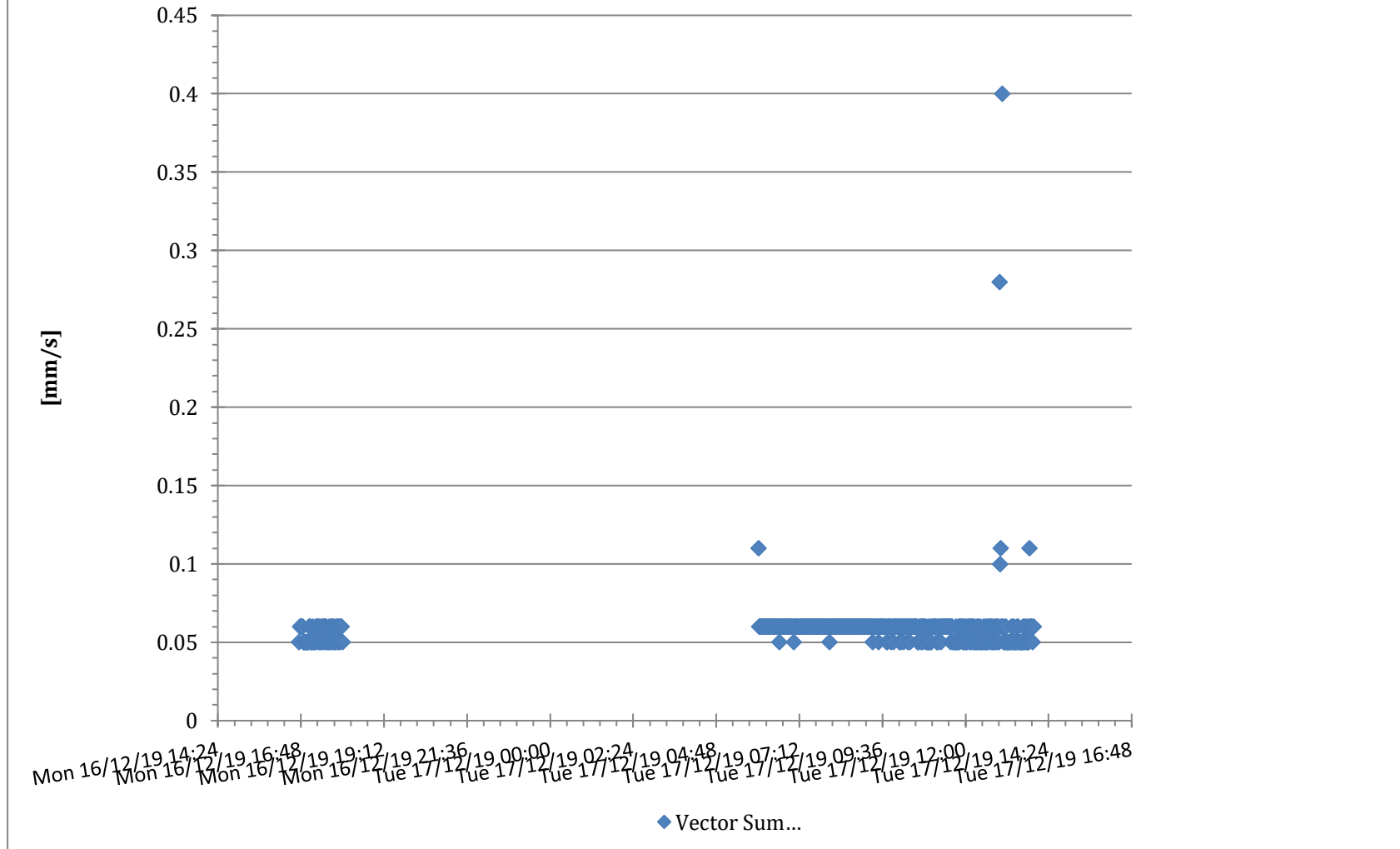
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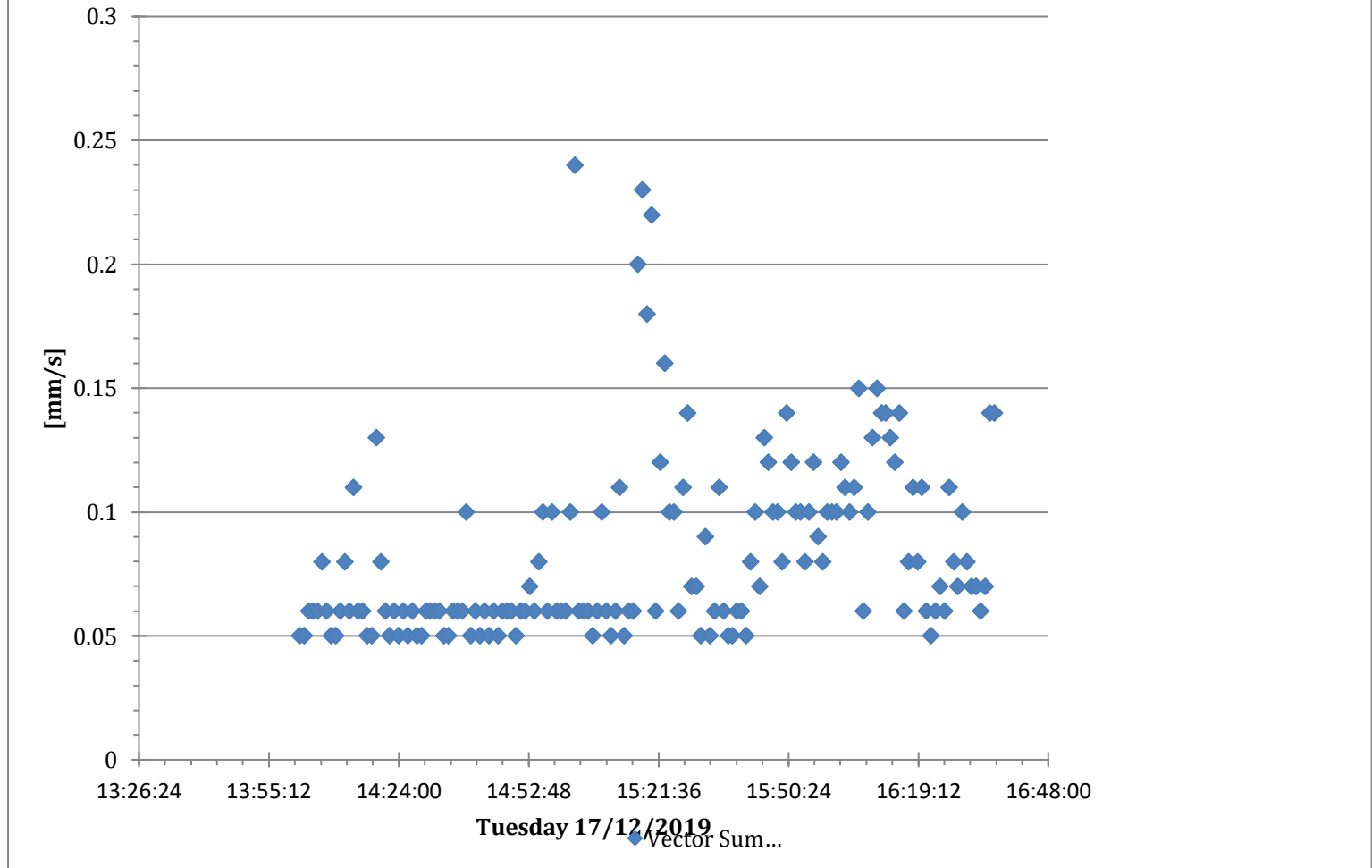
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### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

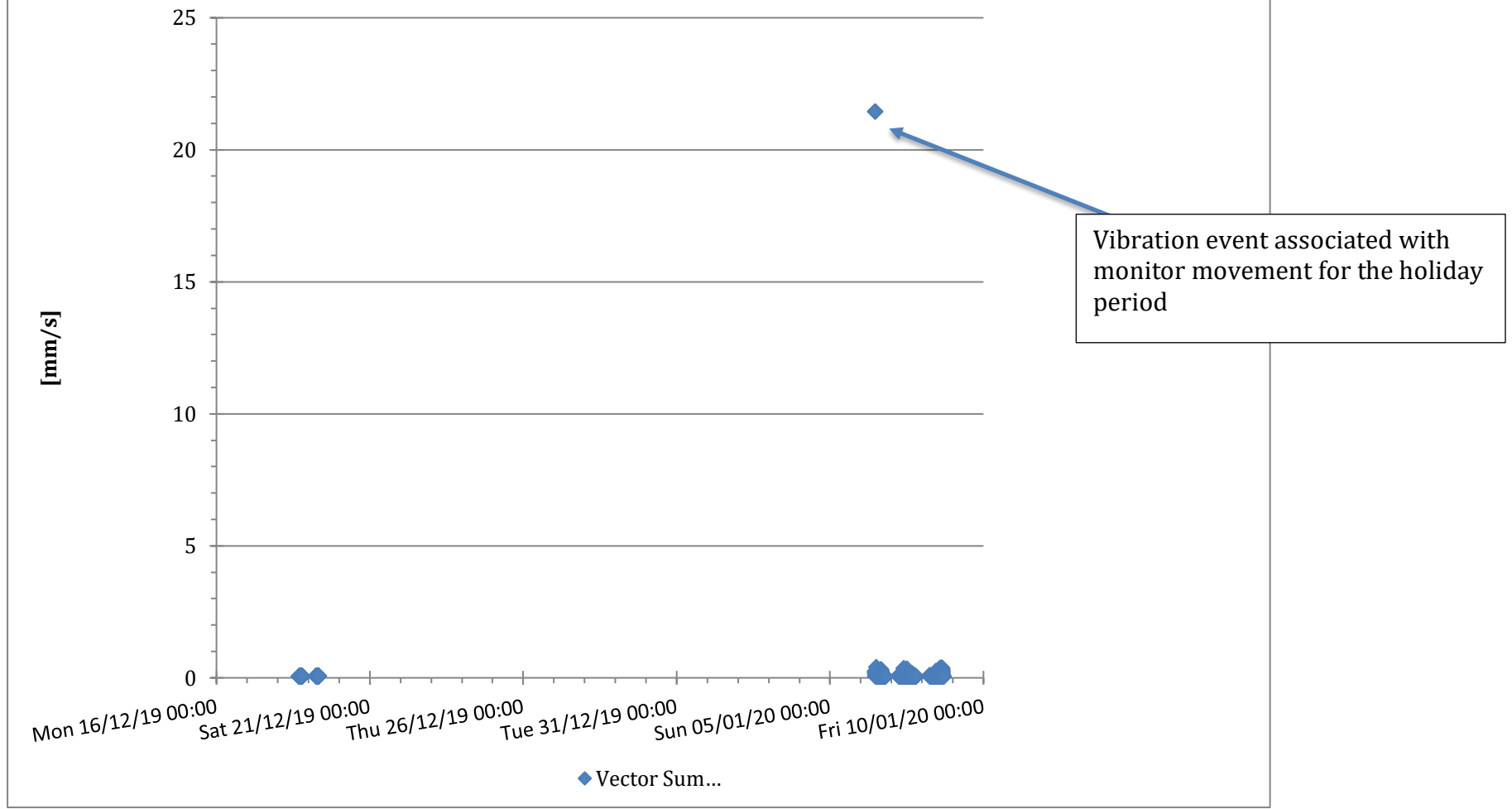


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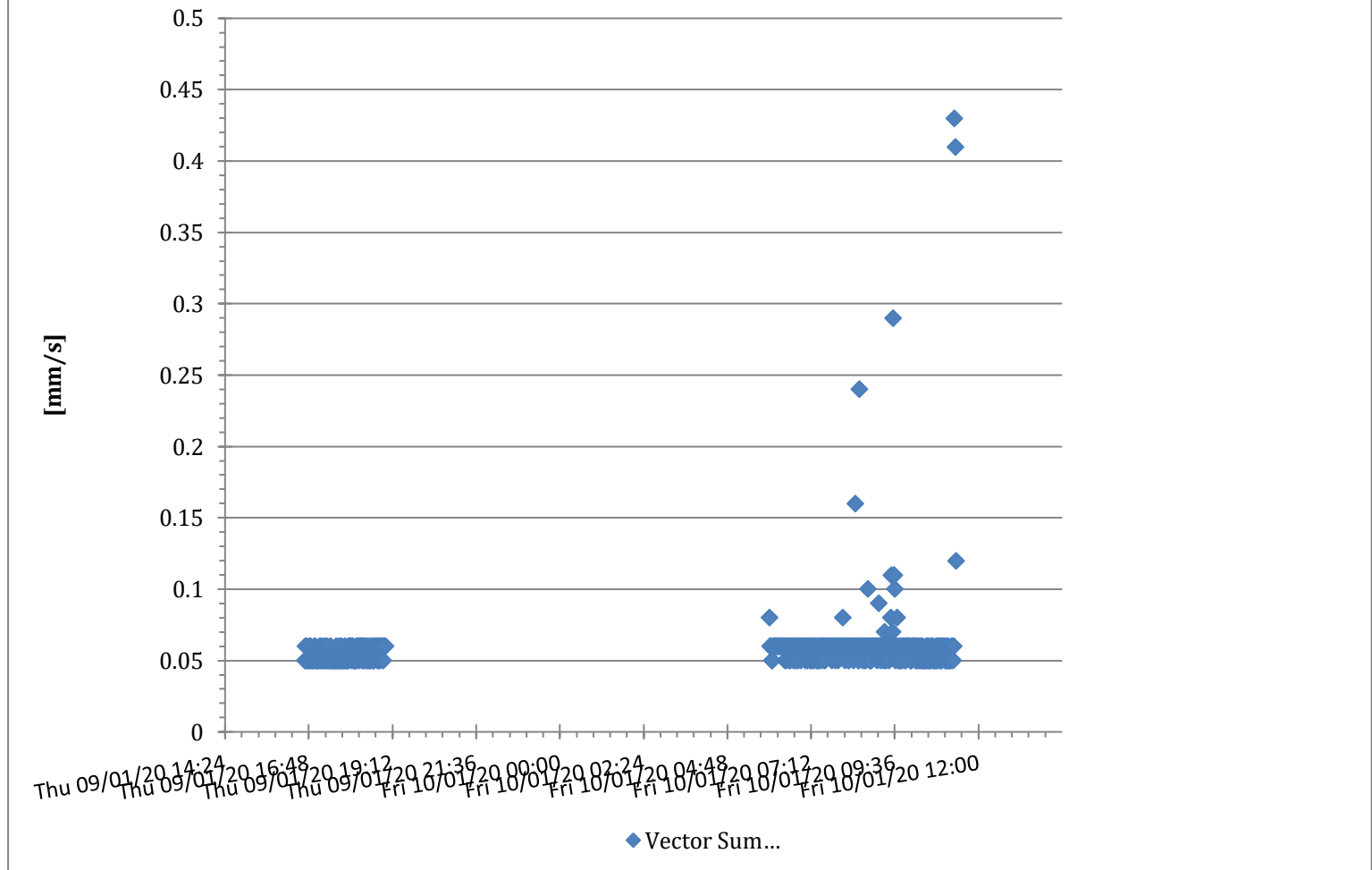


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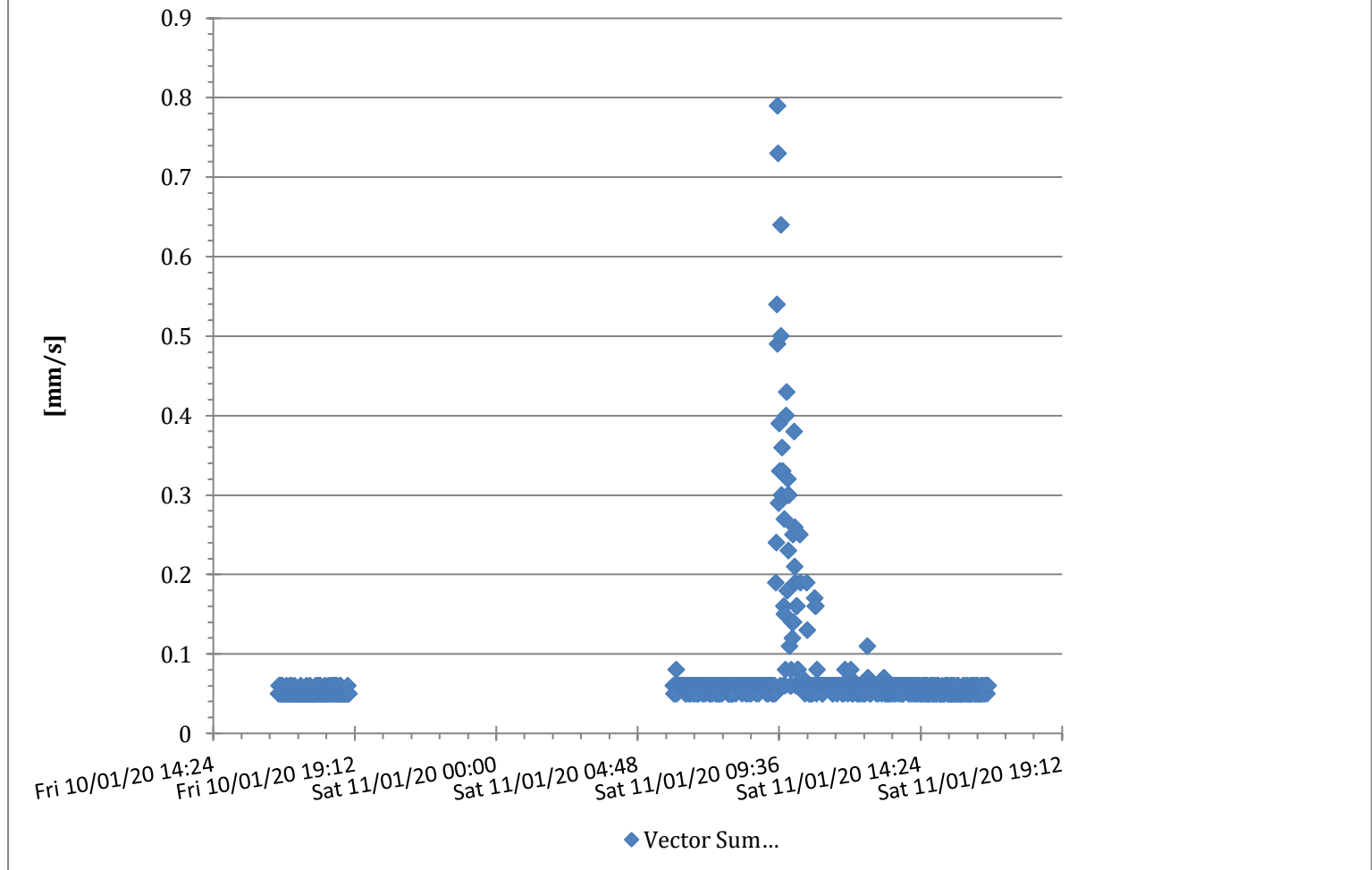
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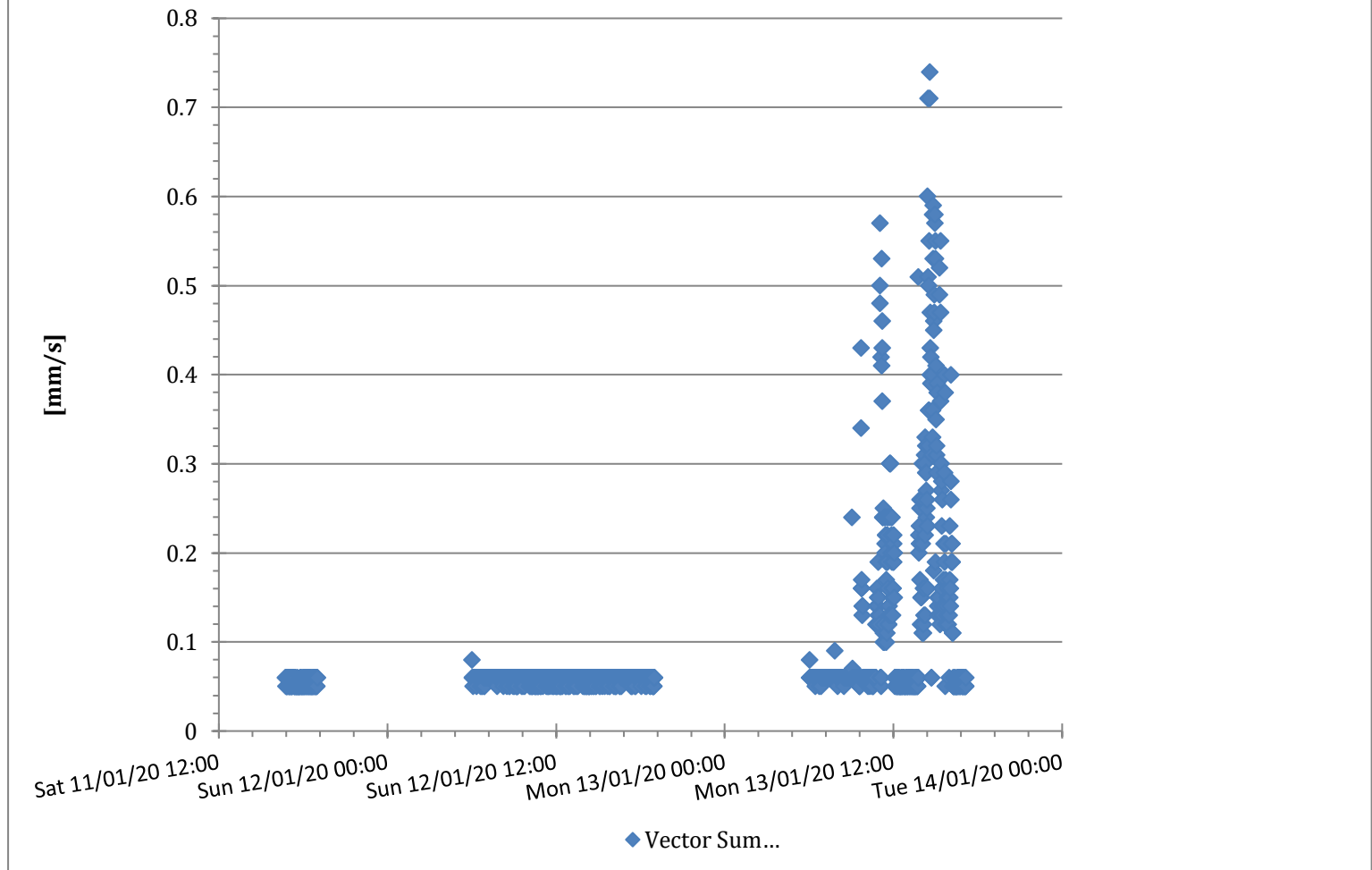




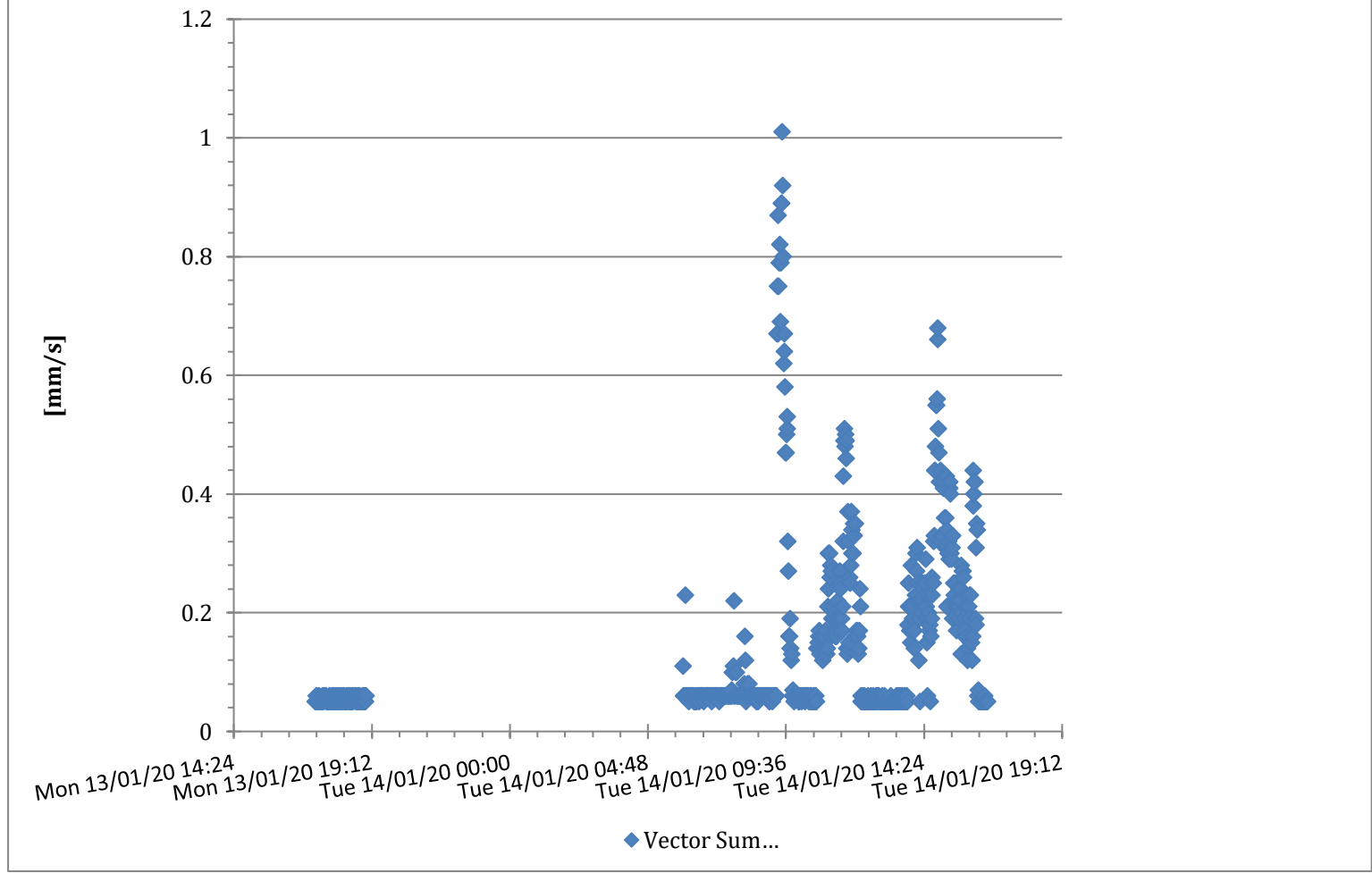
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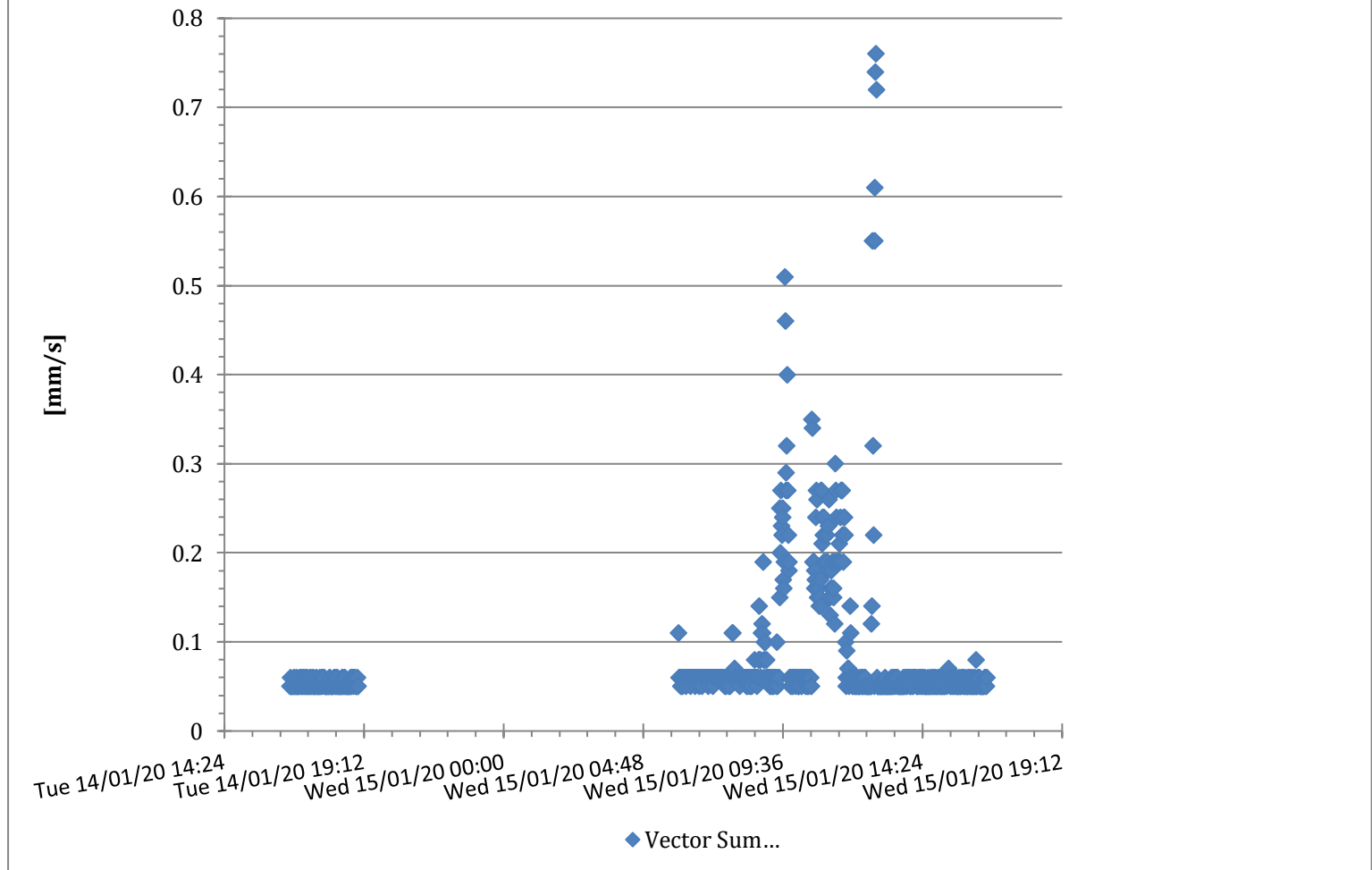
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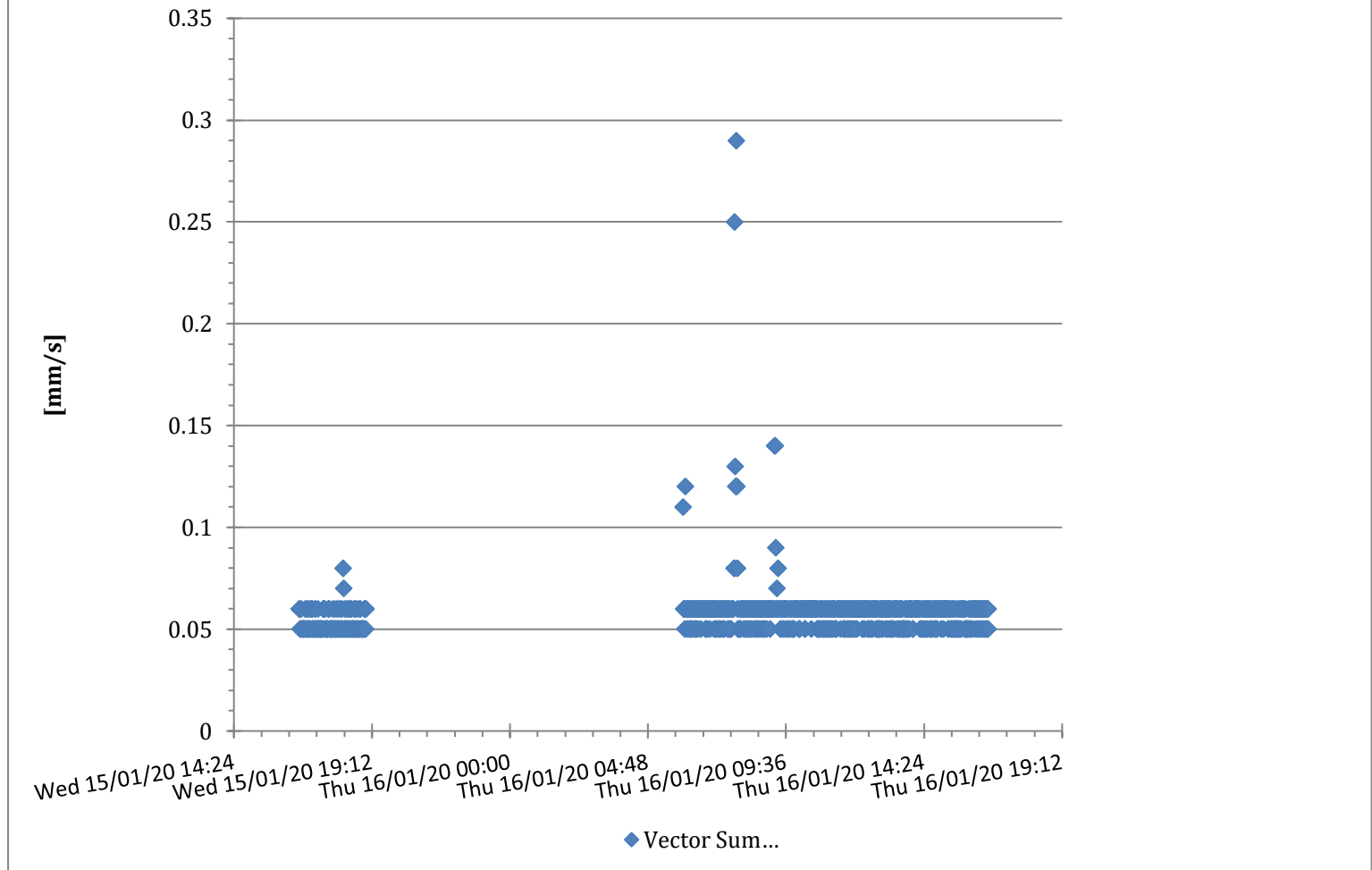
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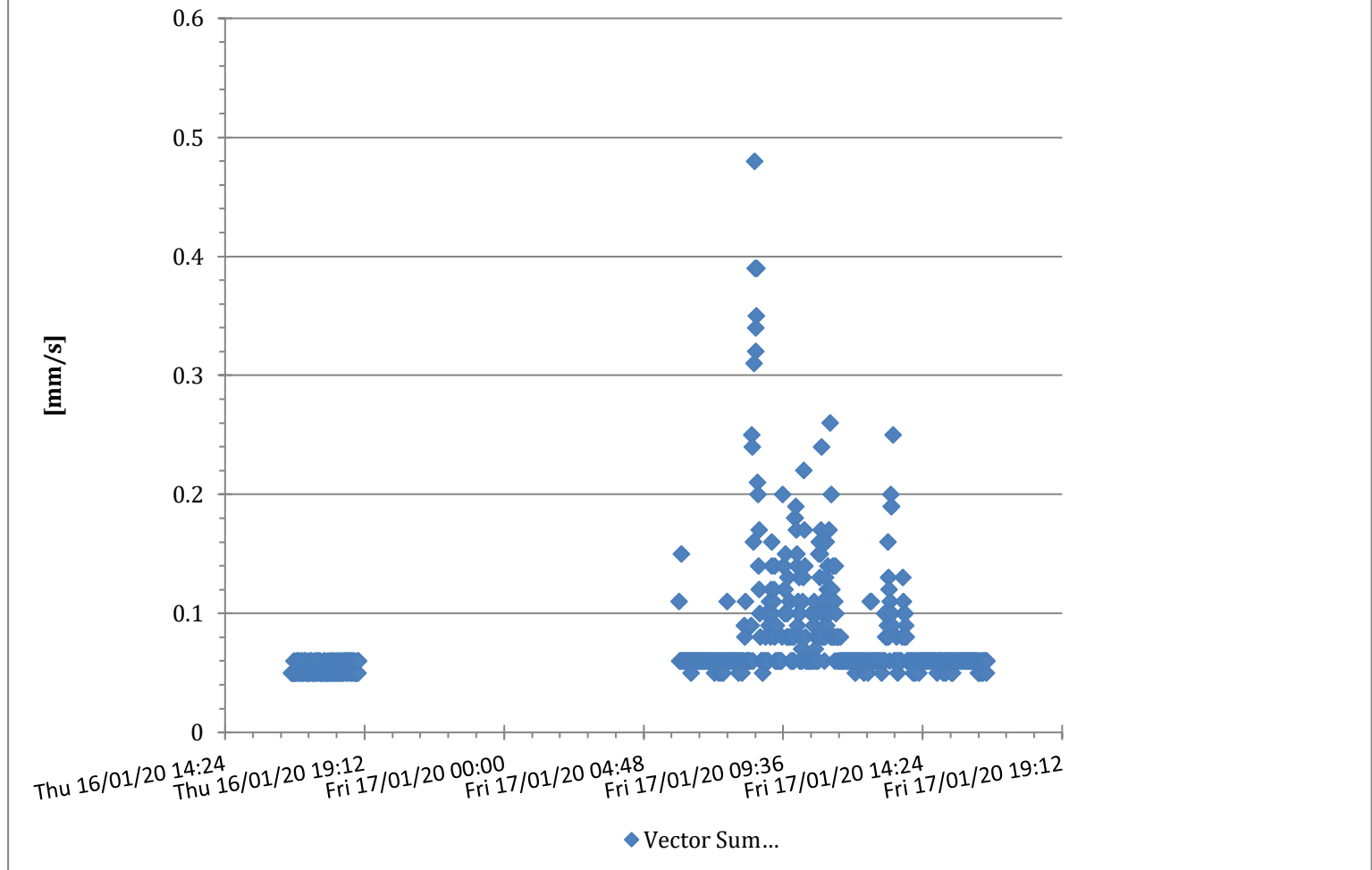
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### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



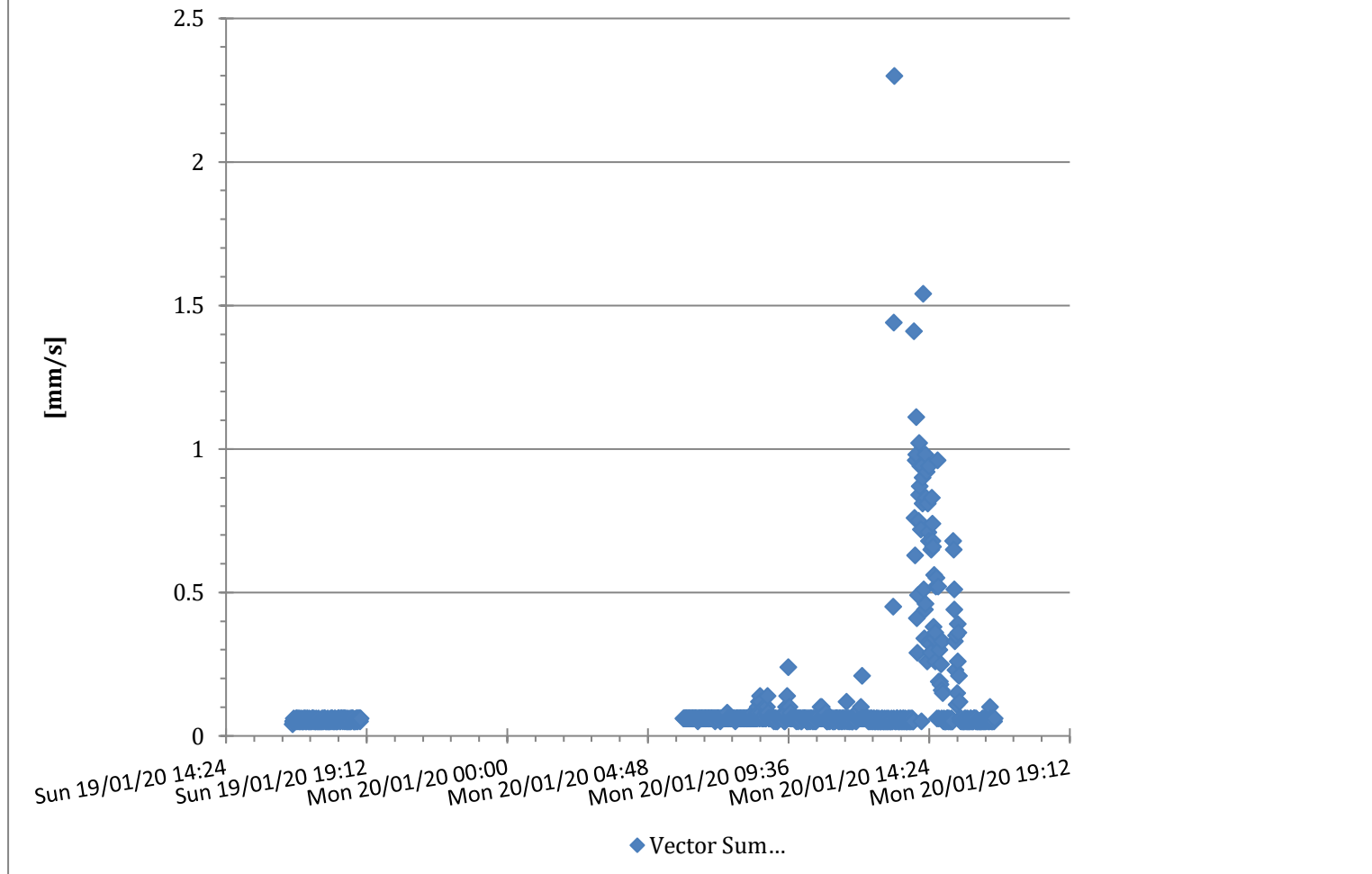
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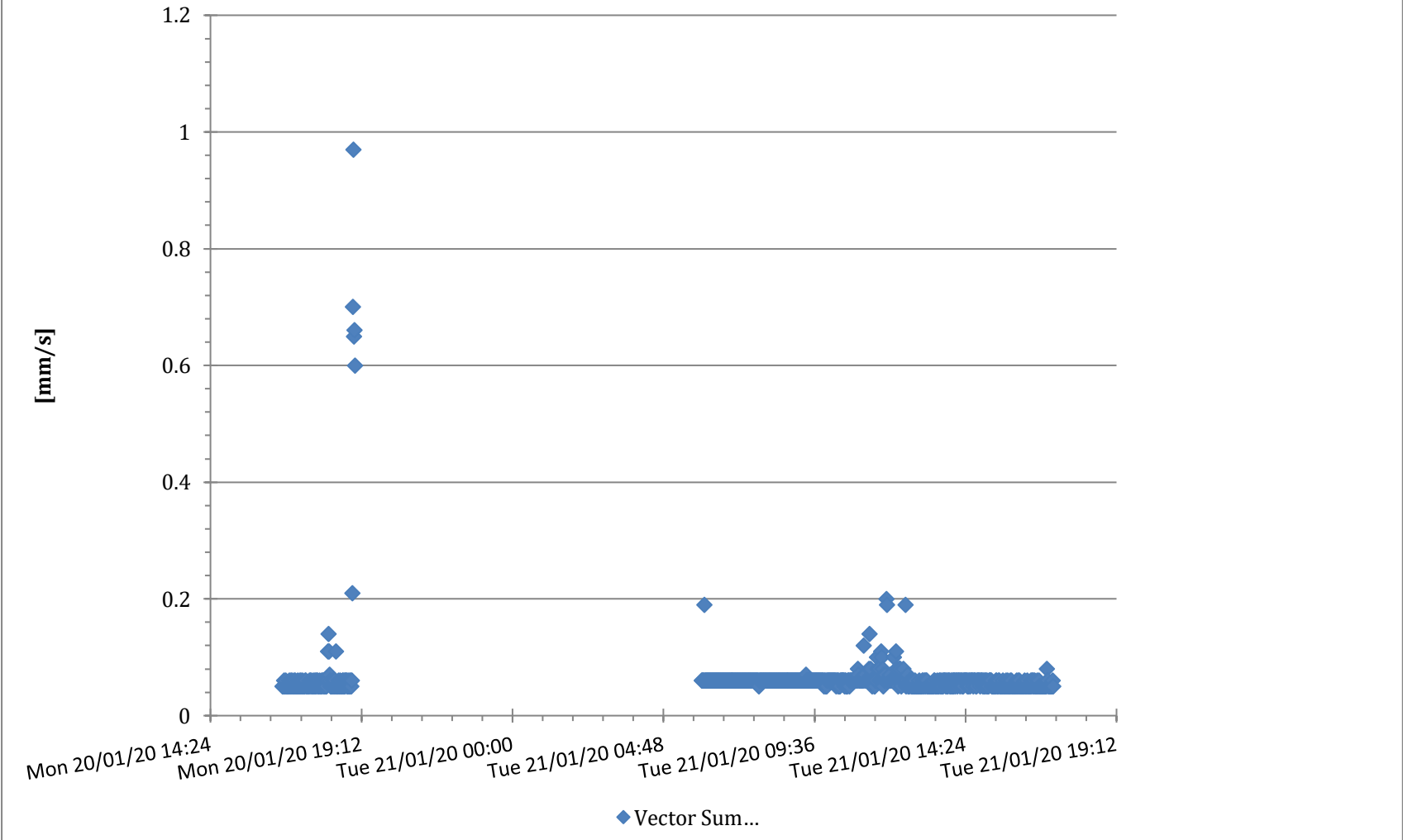




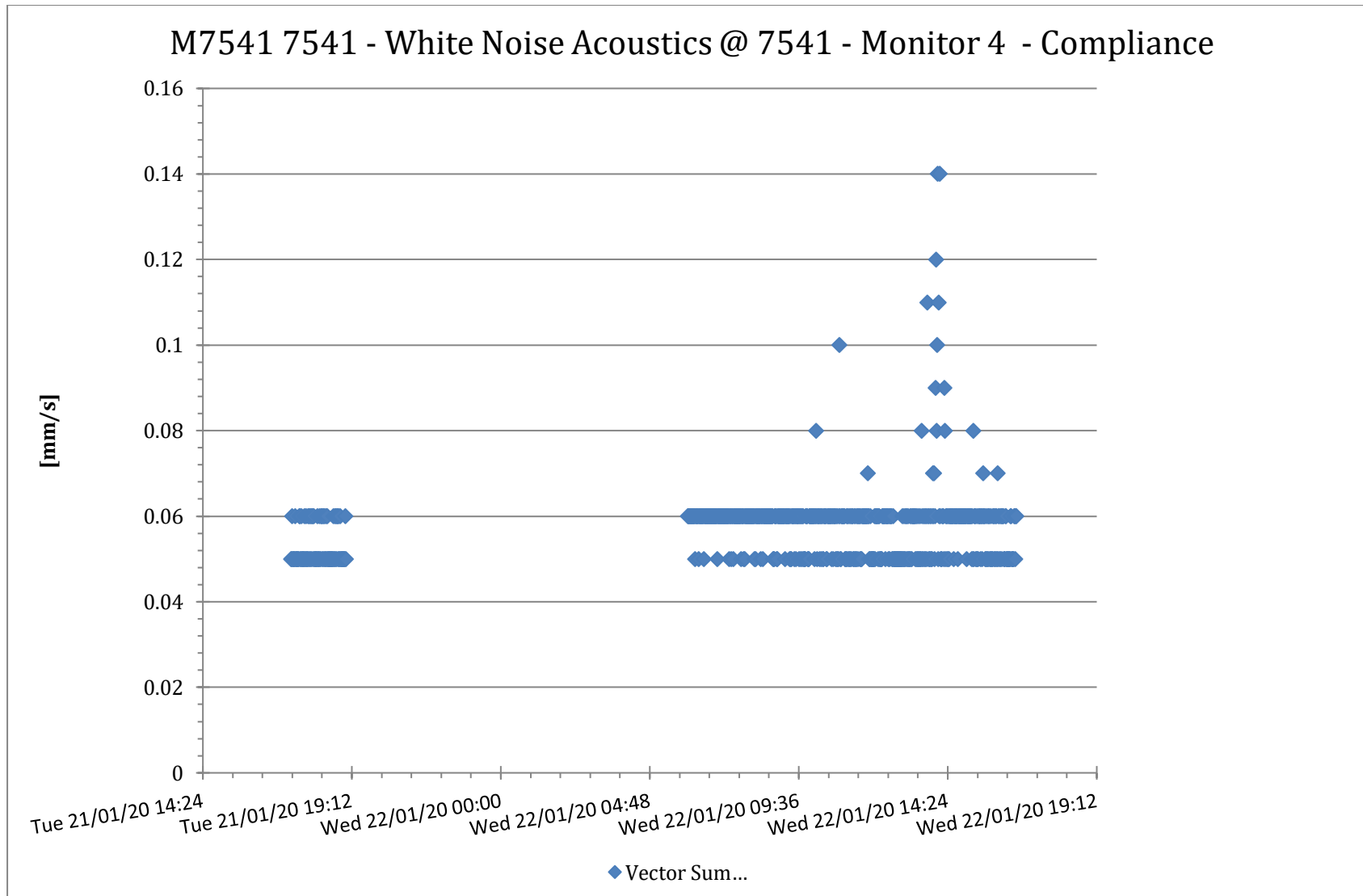
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### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

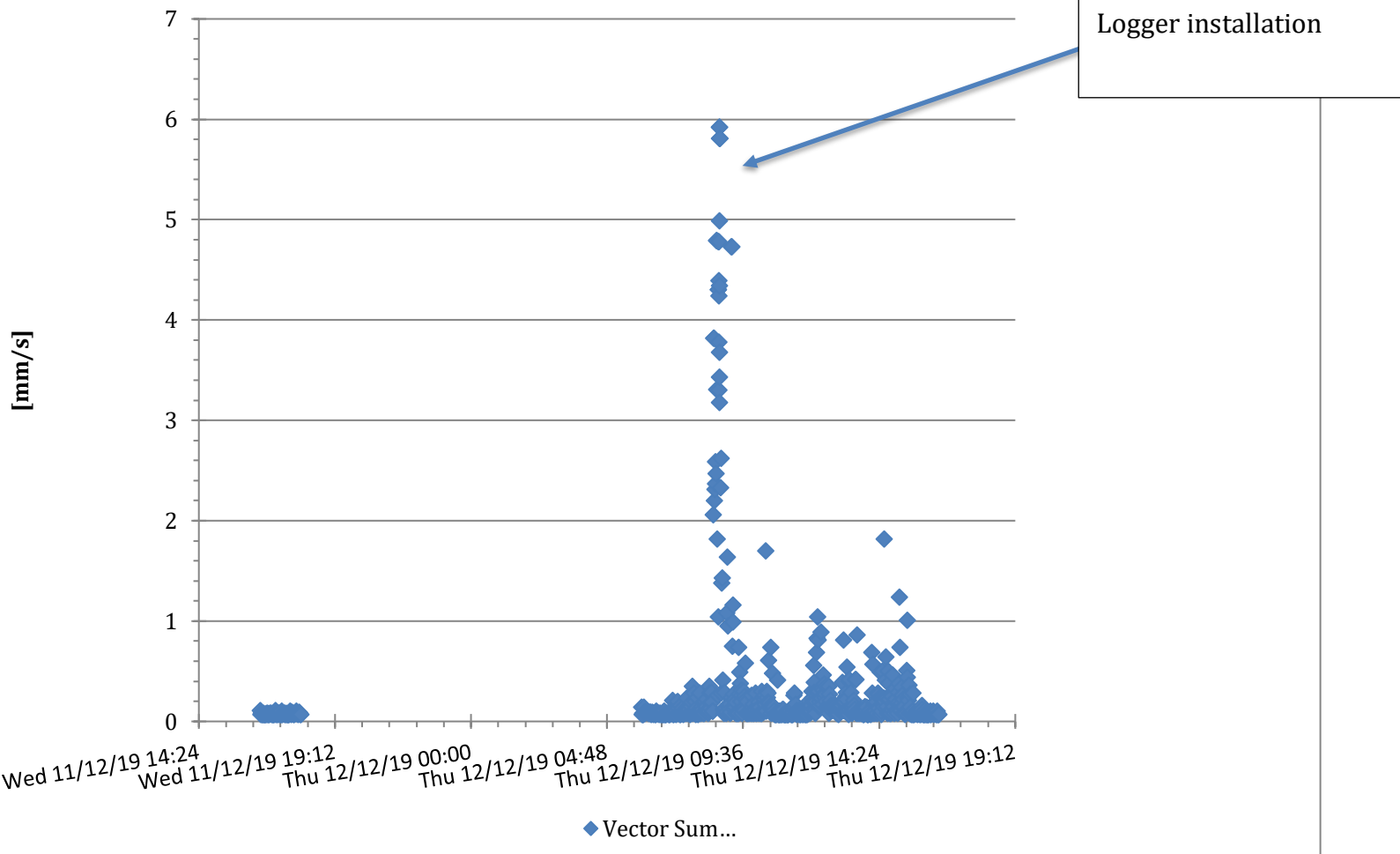


# M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

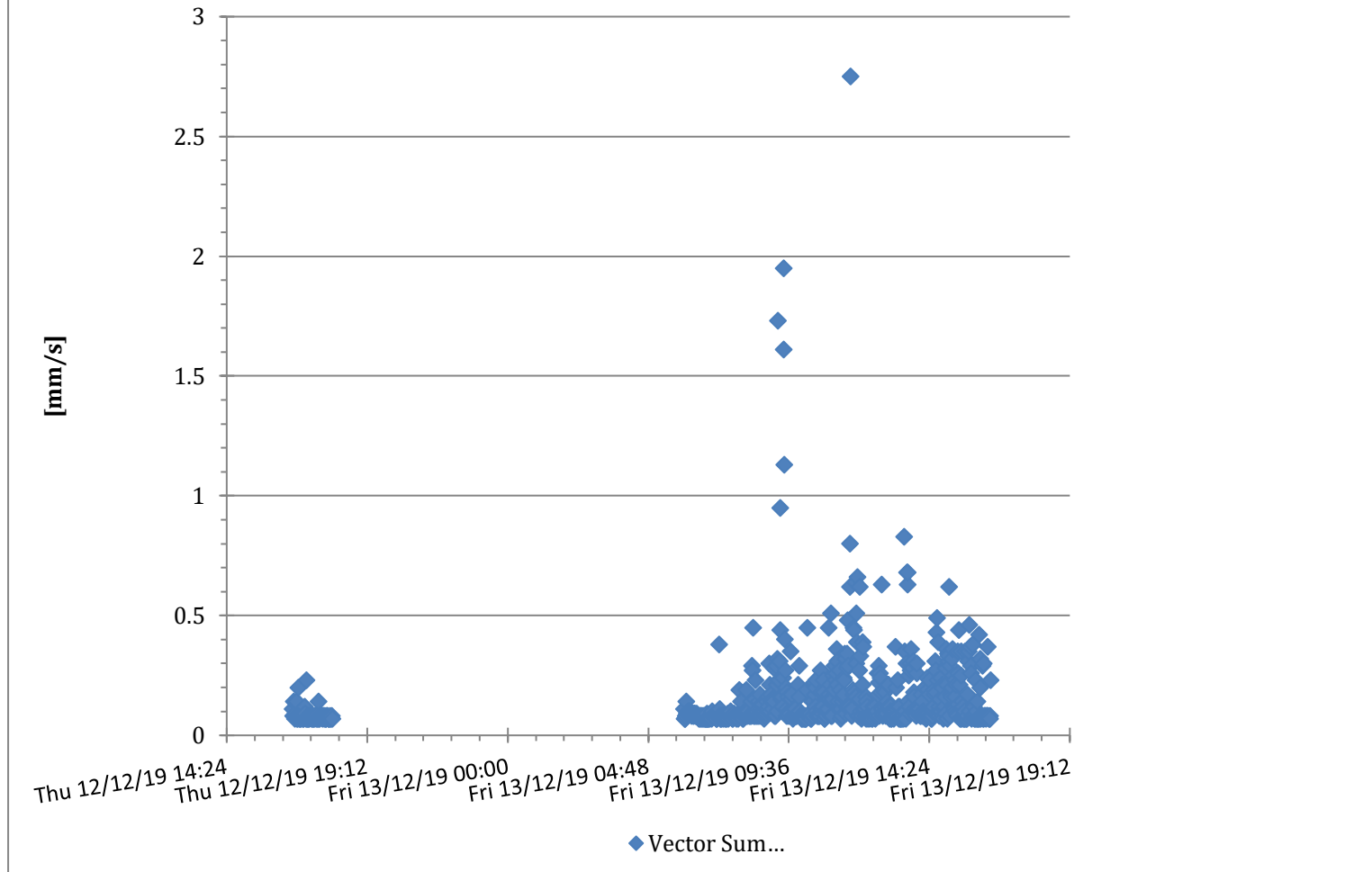


## **11 Appendix E –Logger Location 4 – Monitor M7517**

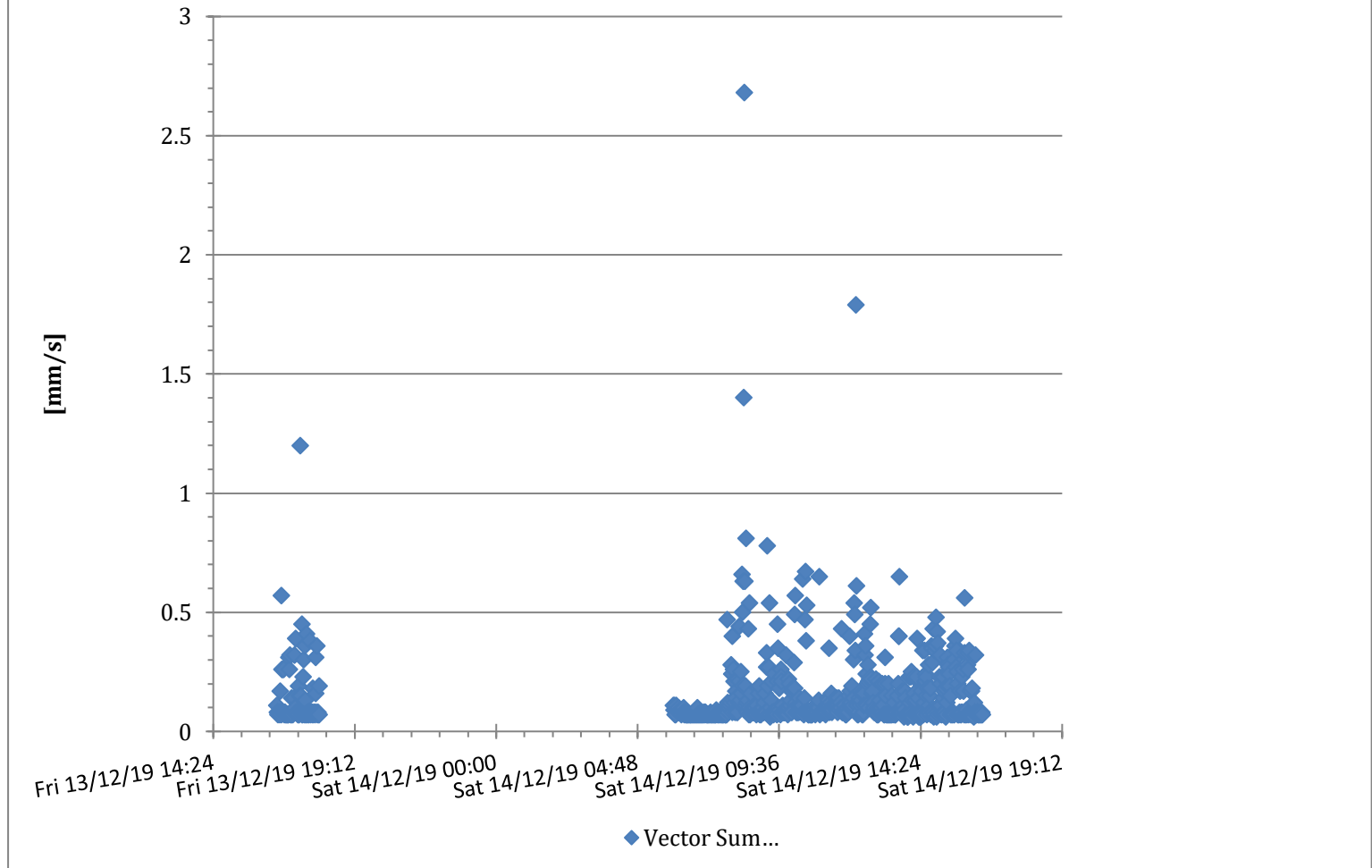
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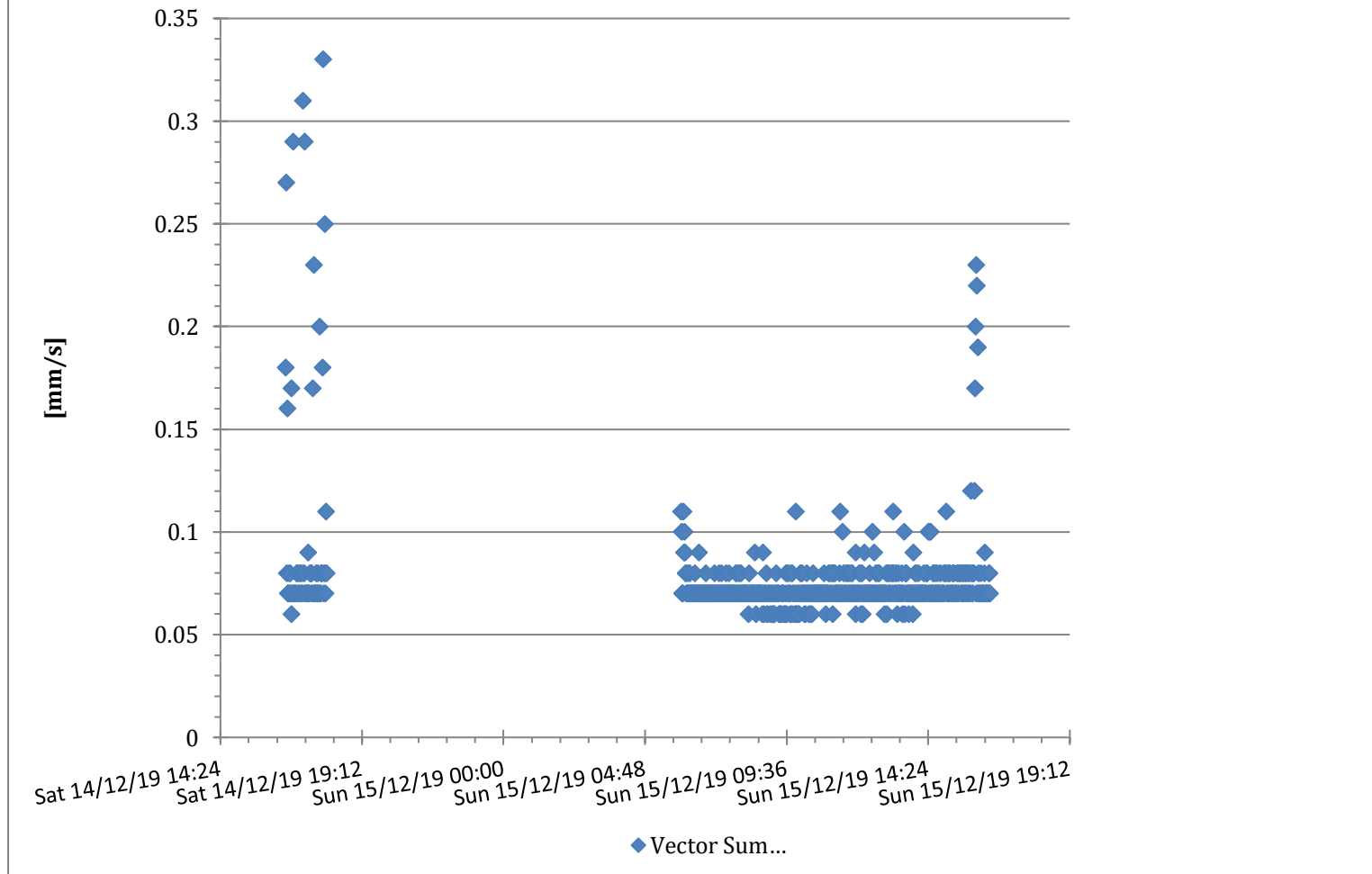
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

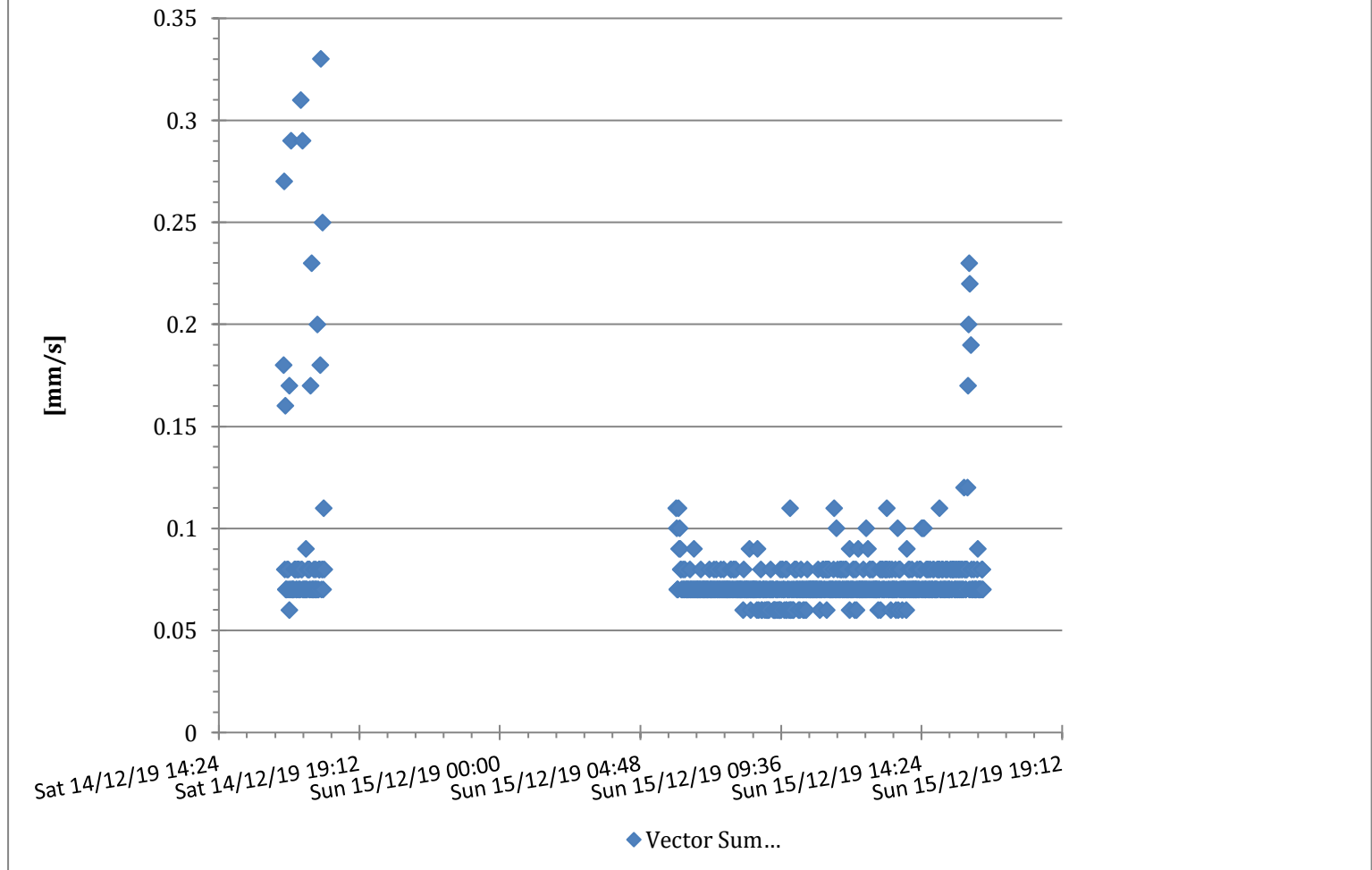


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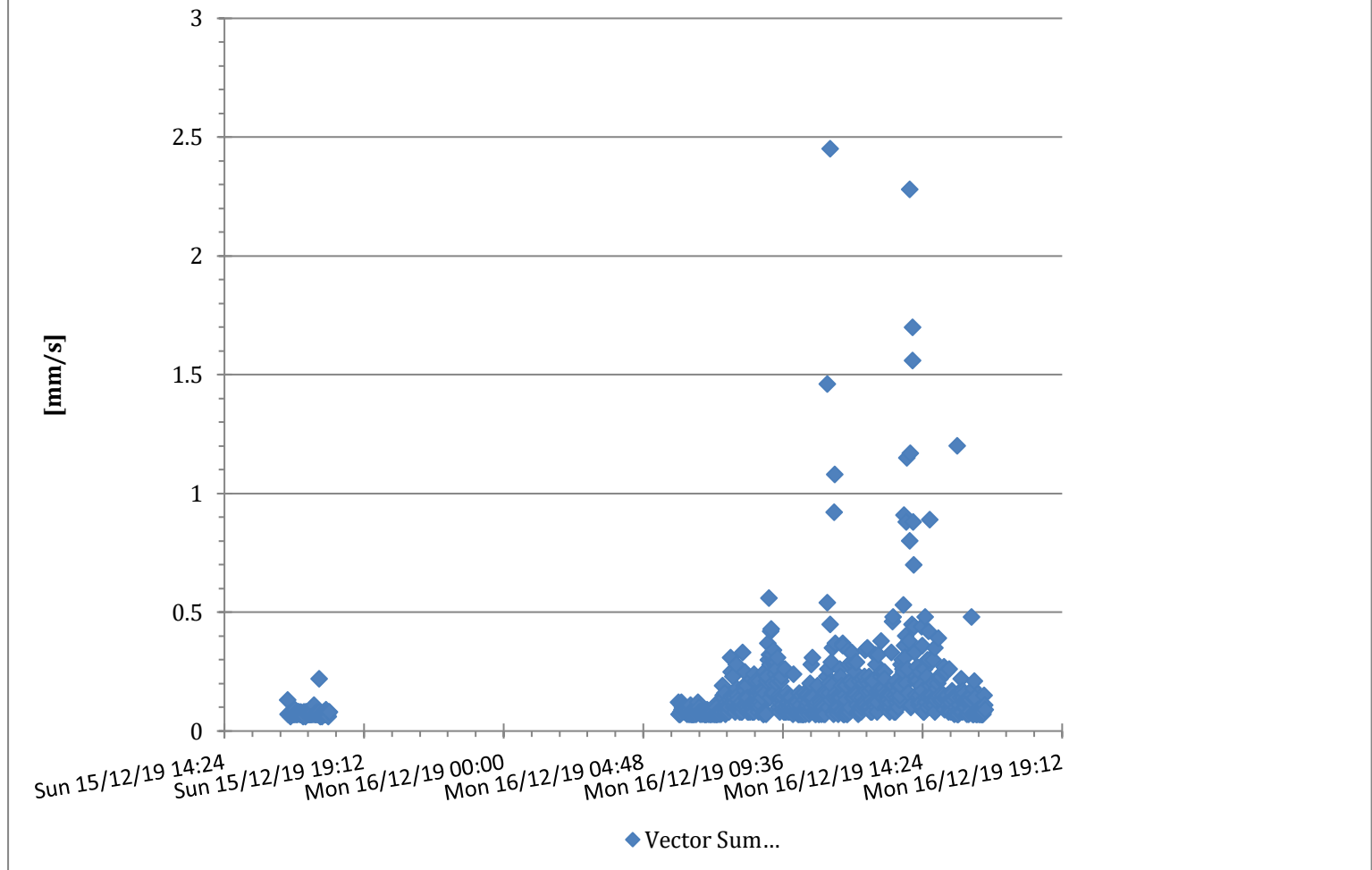




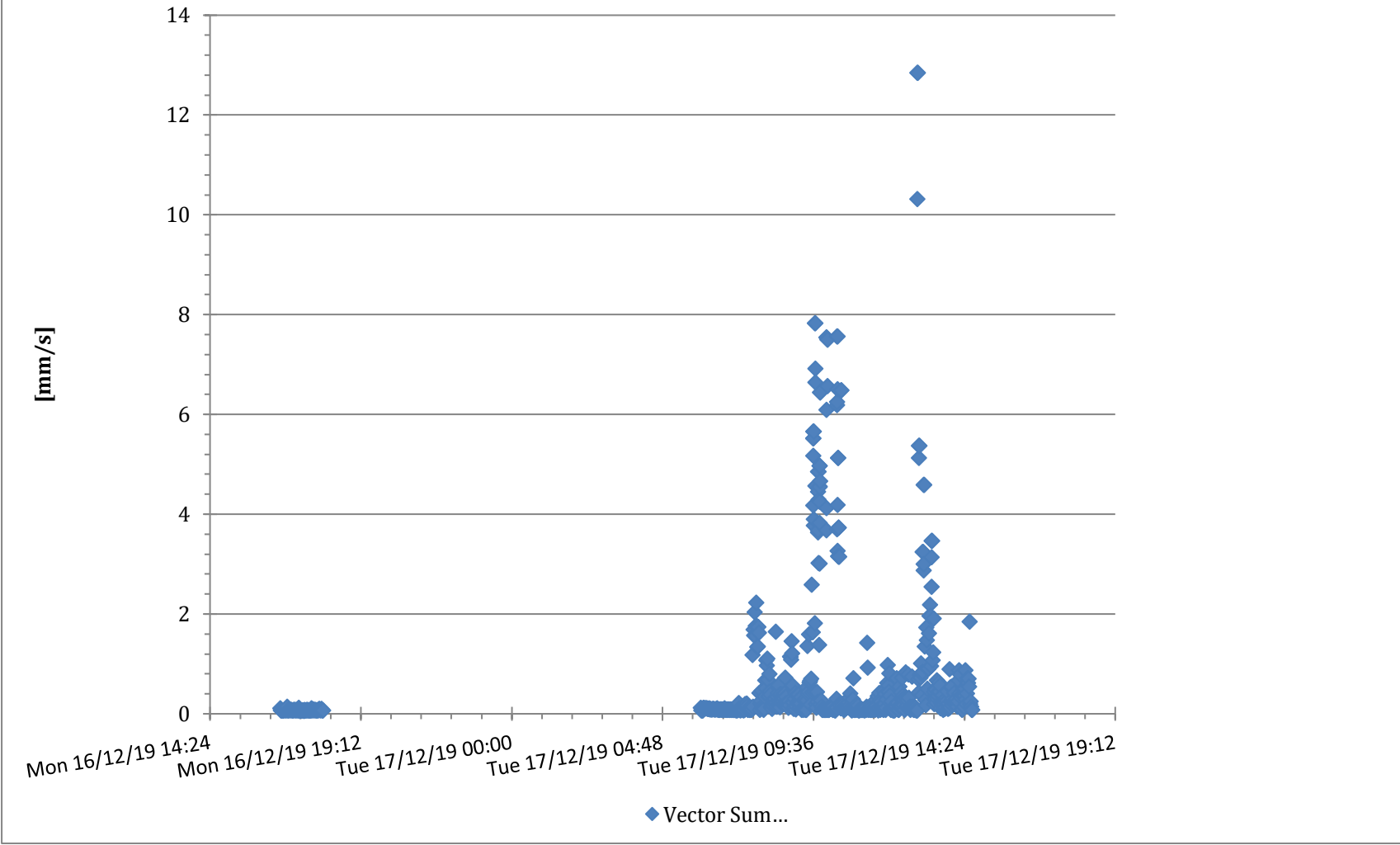
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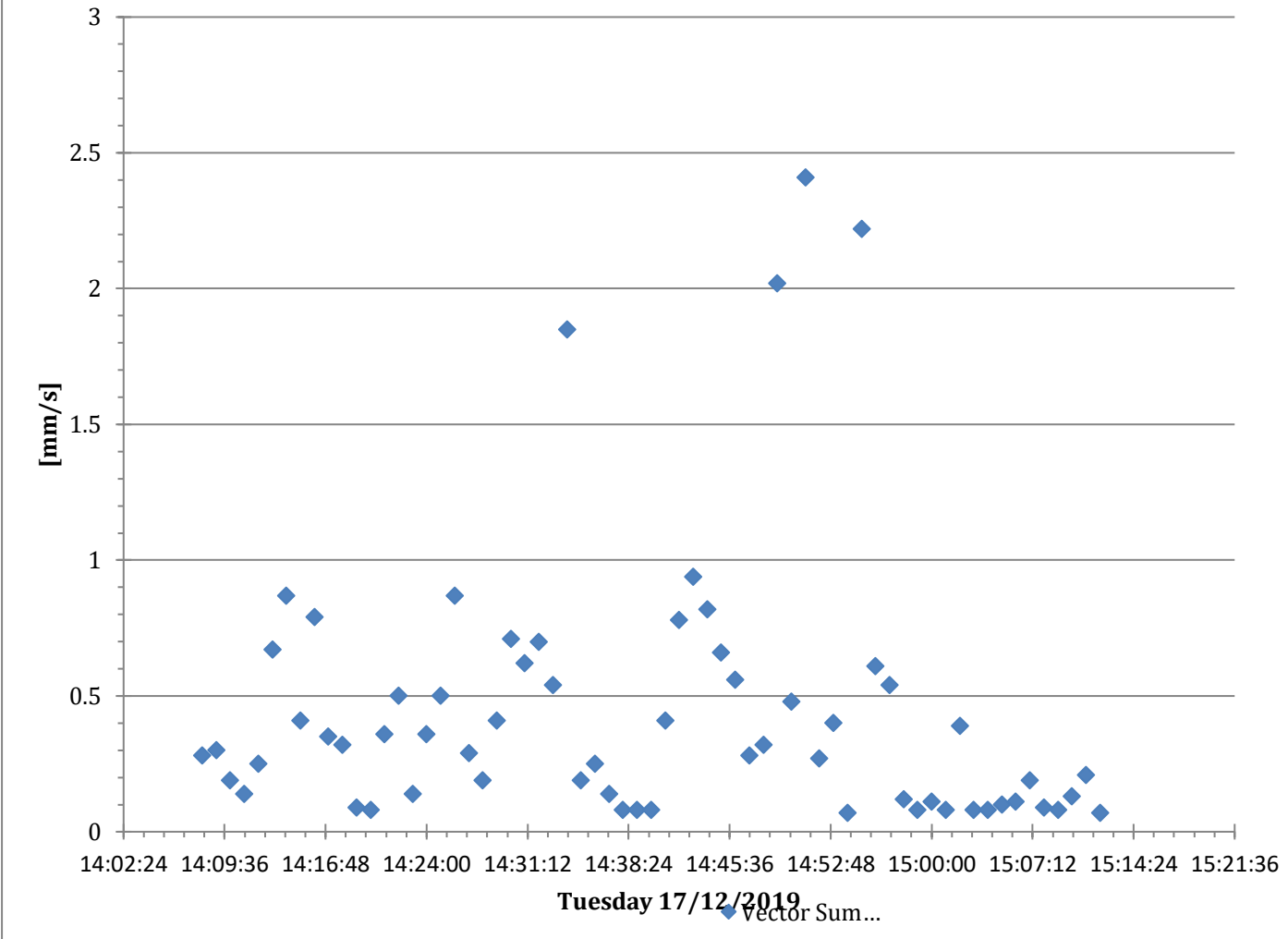
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



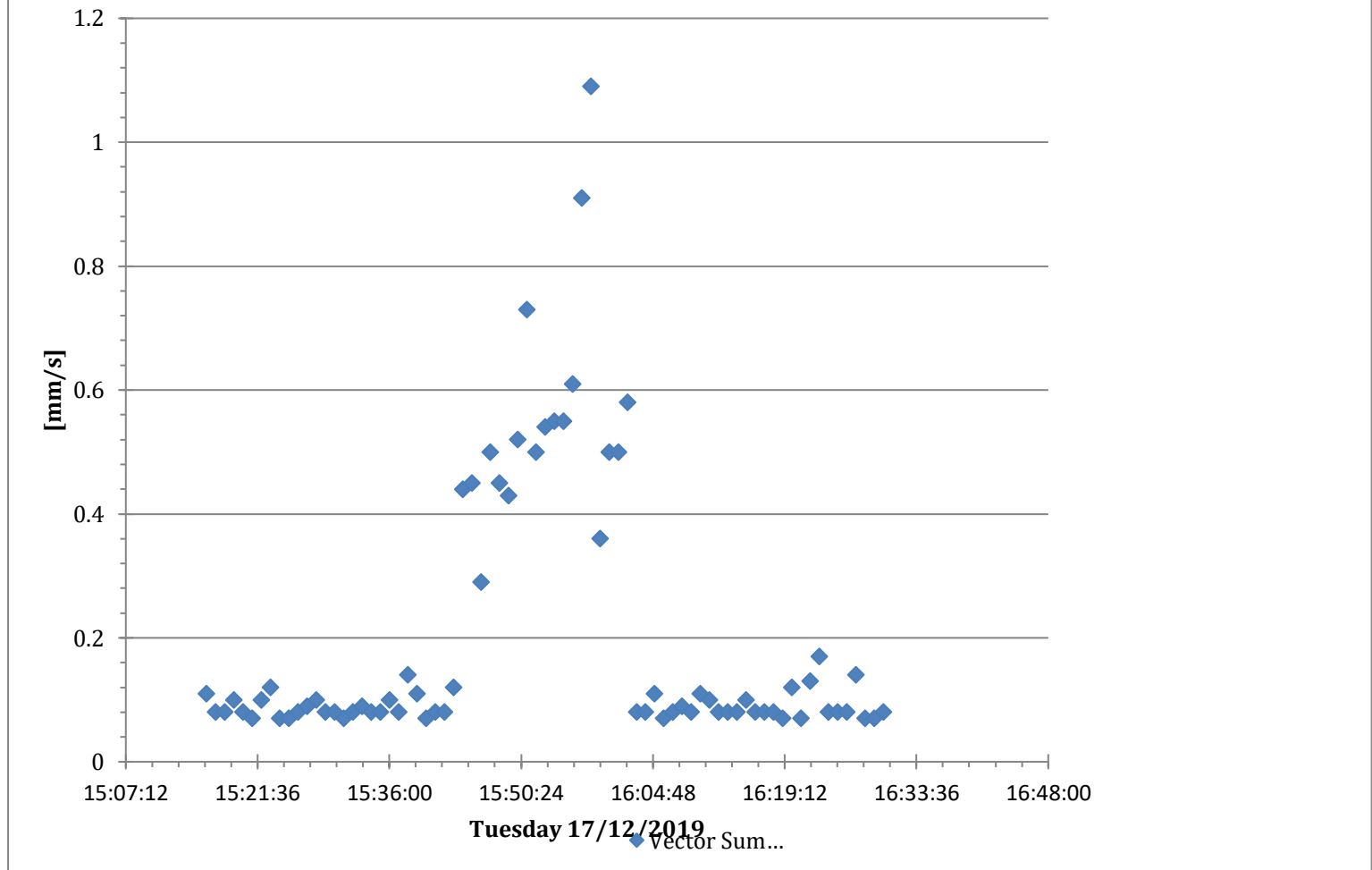
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



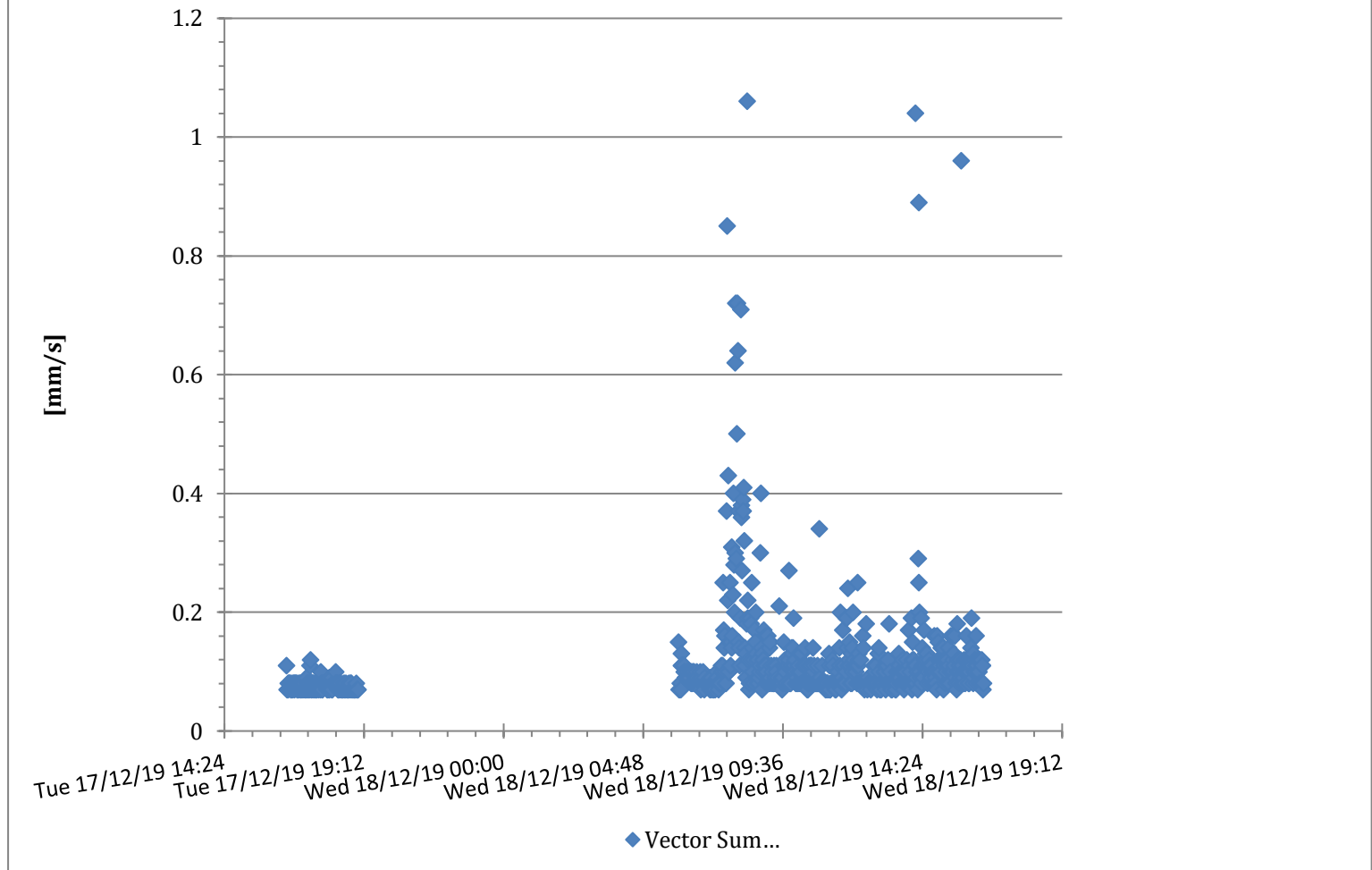
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



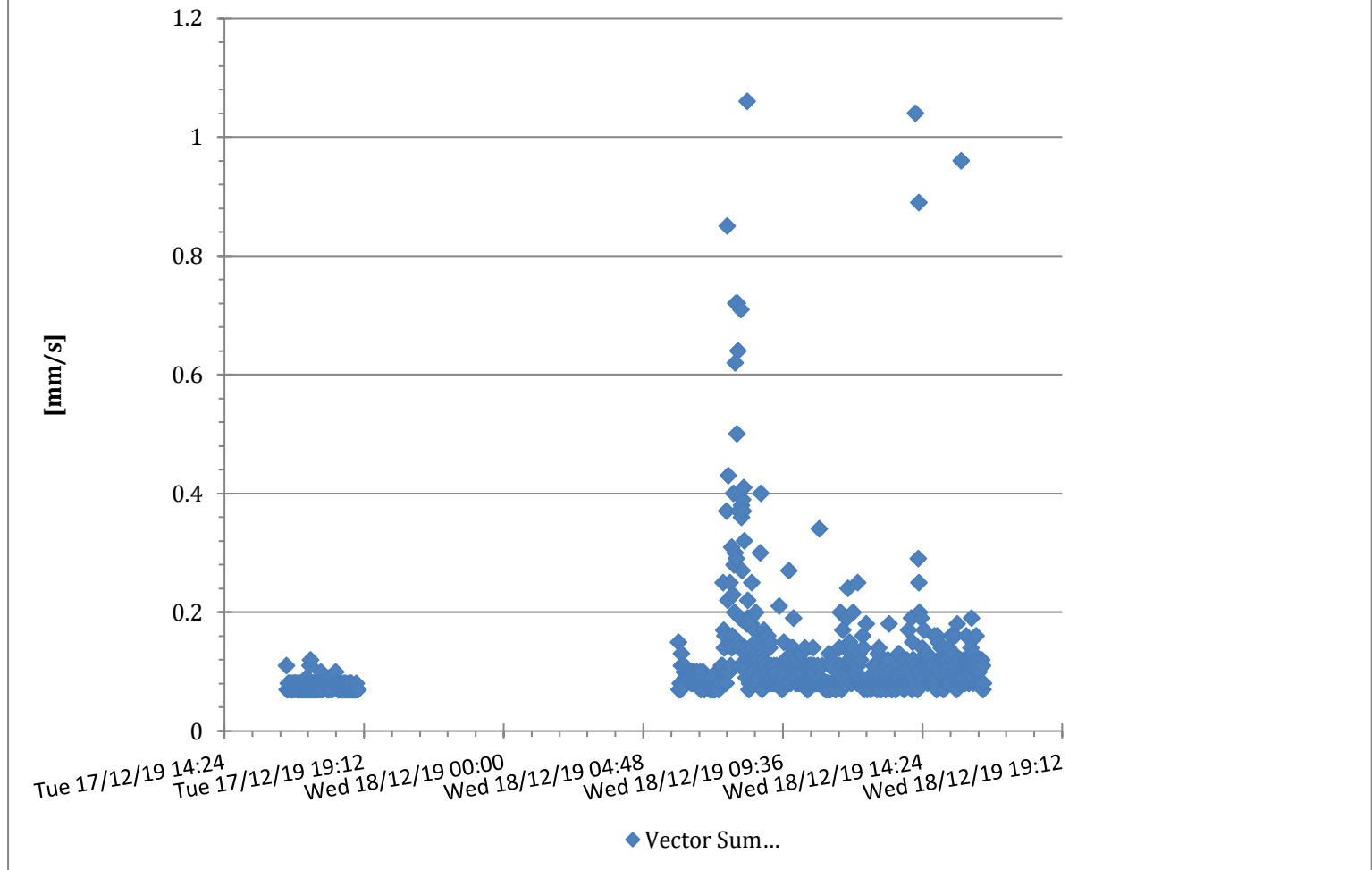
# M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



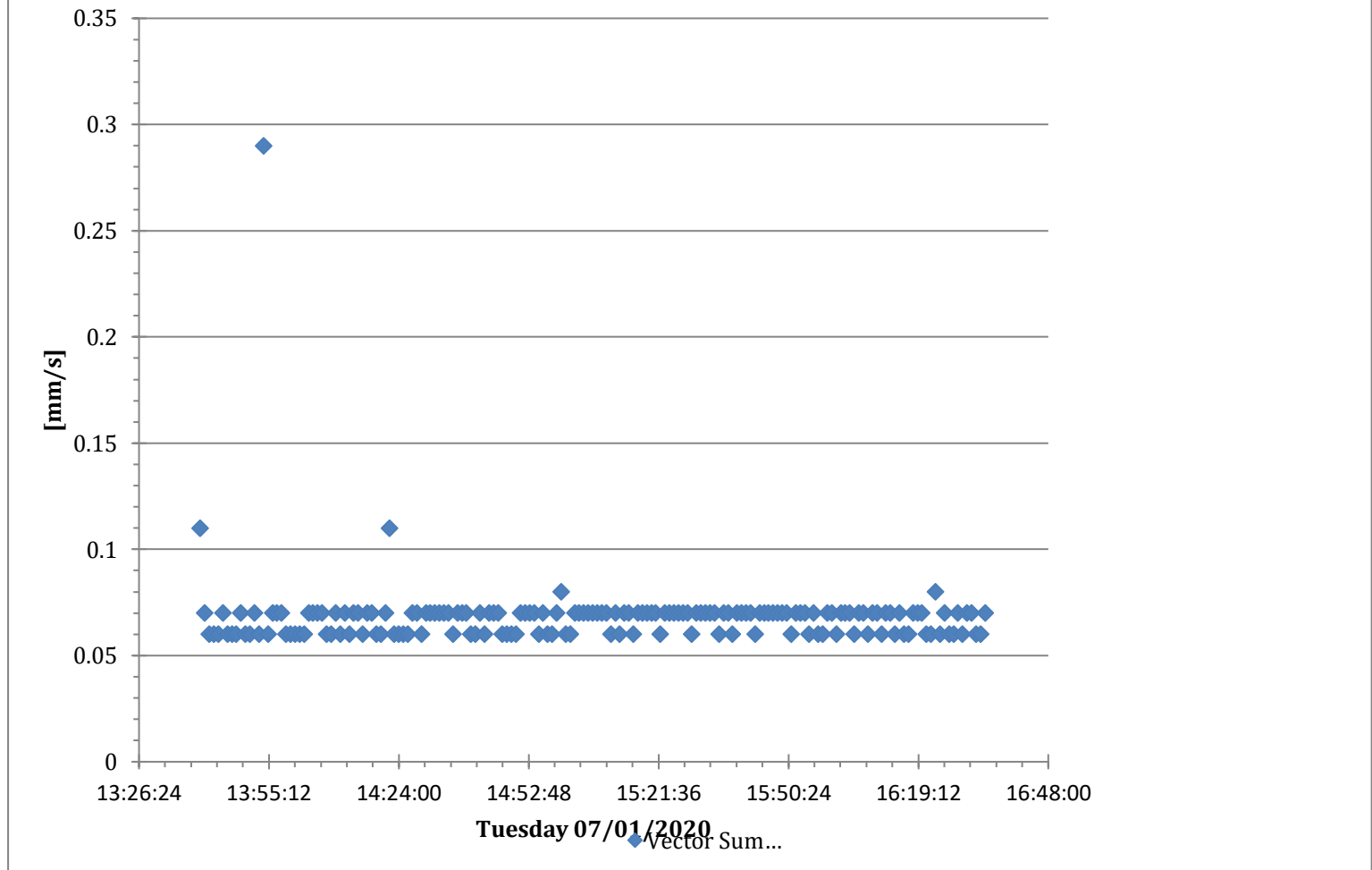
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

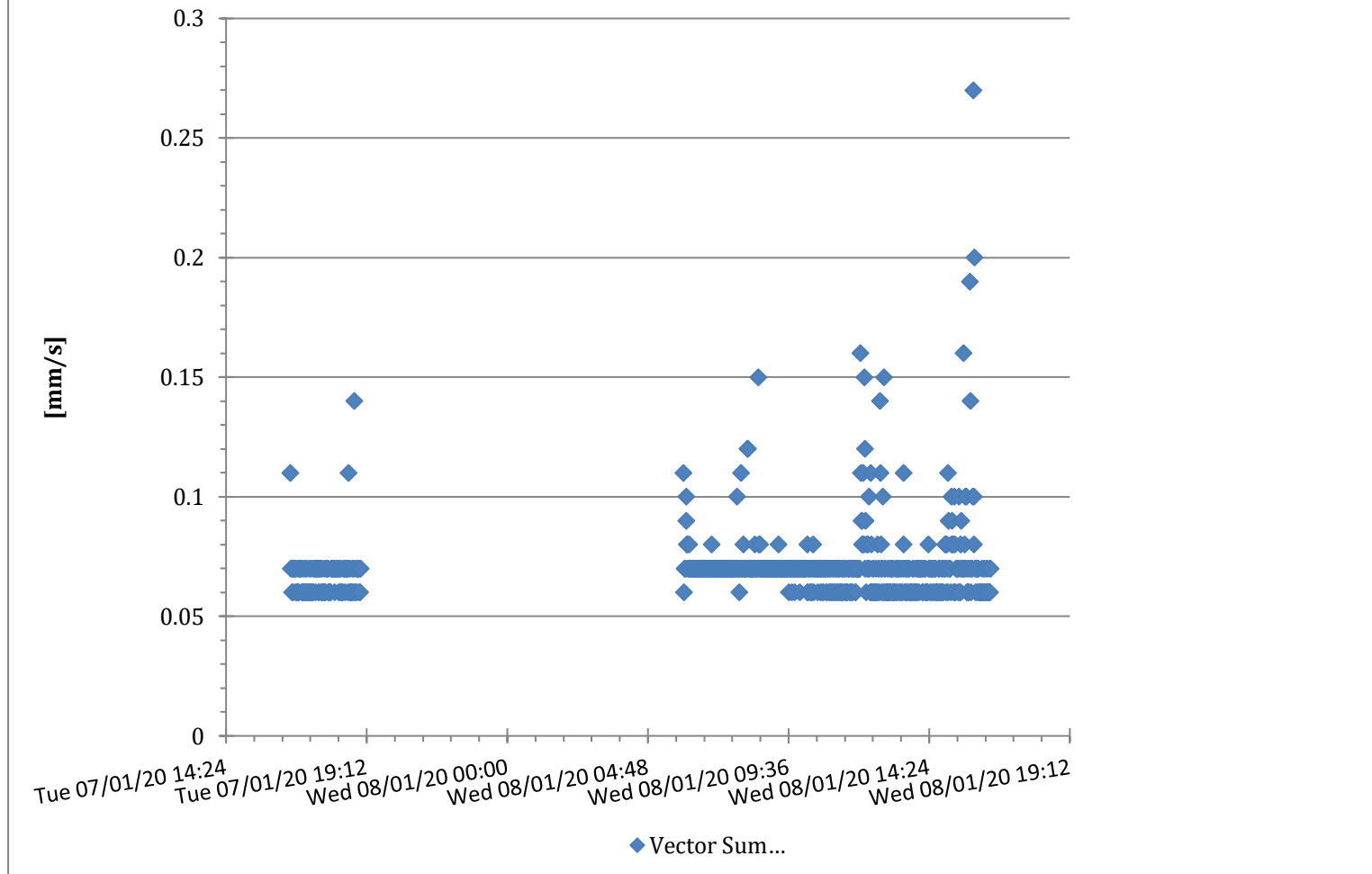


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

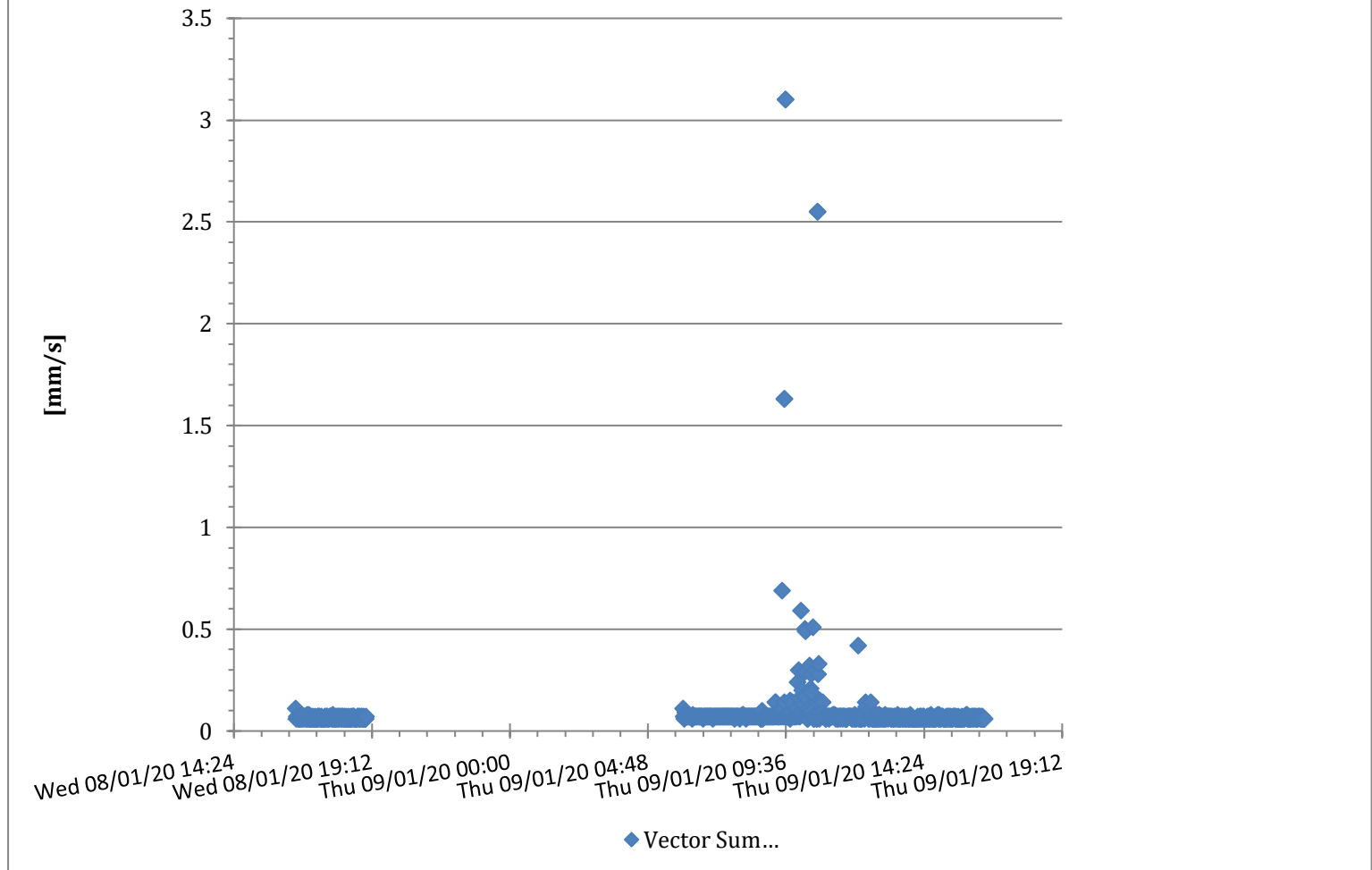




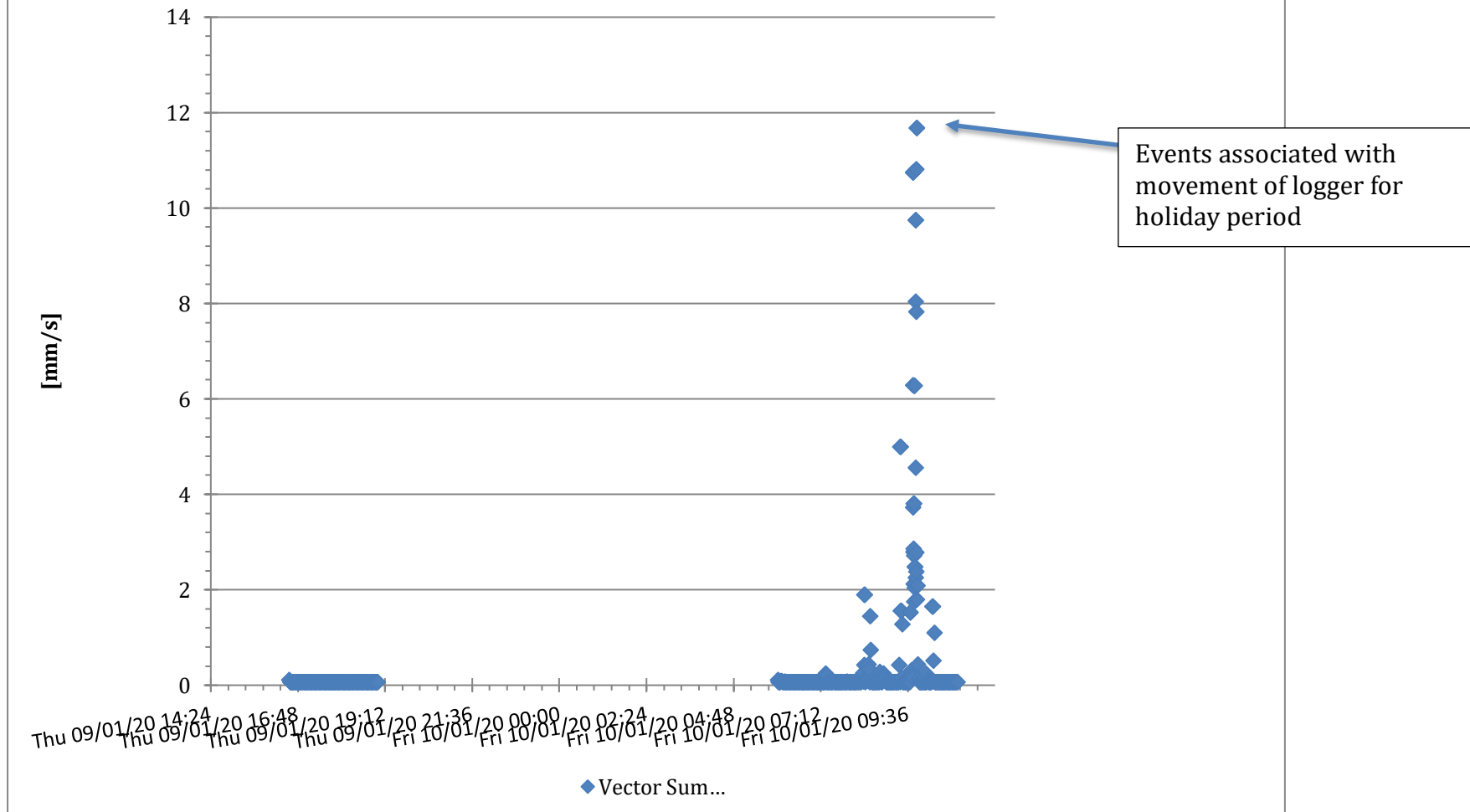
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



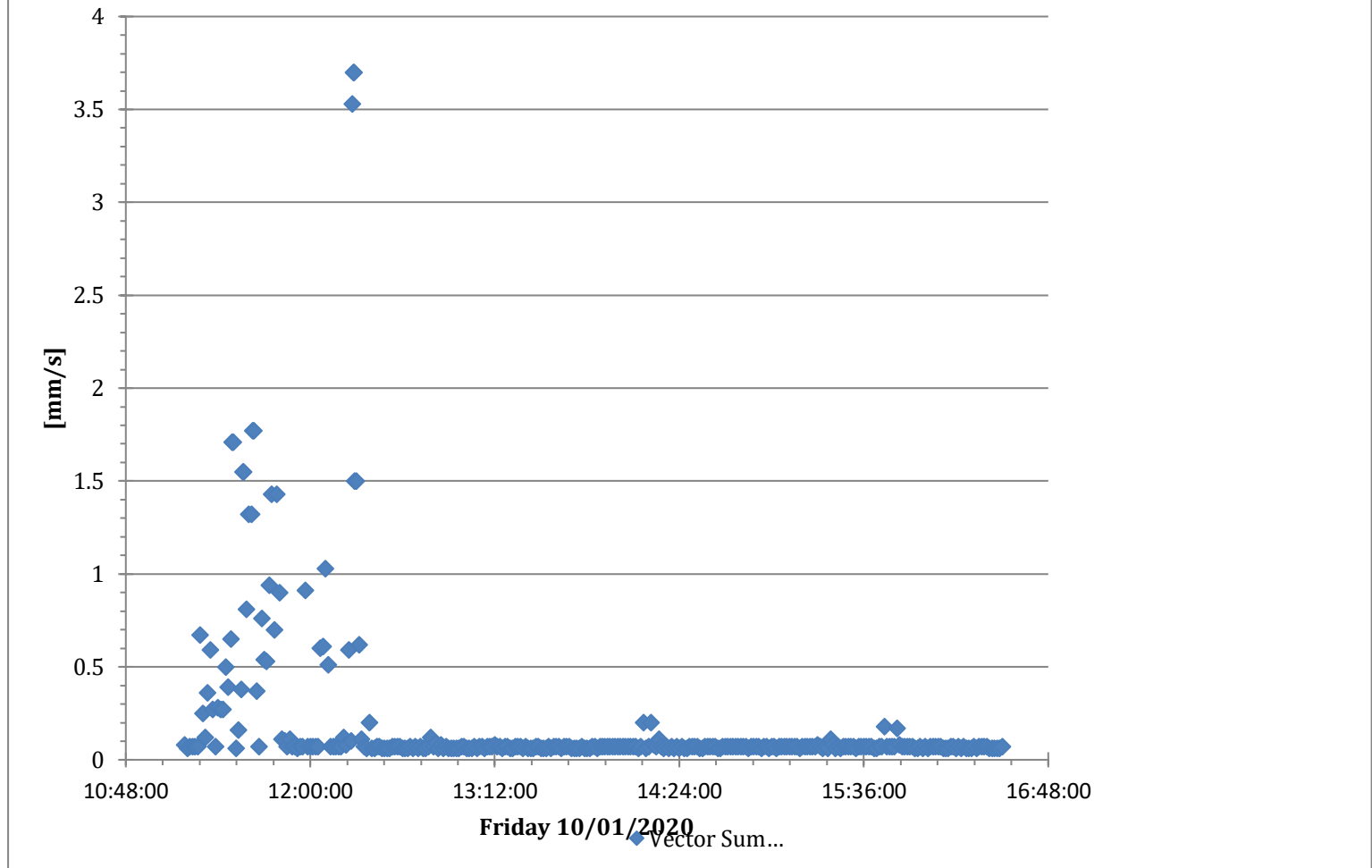
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



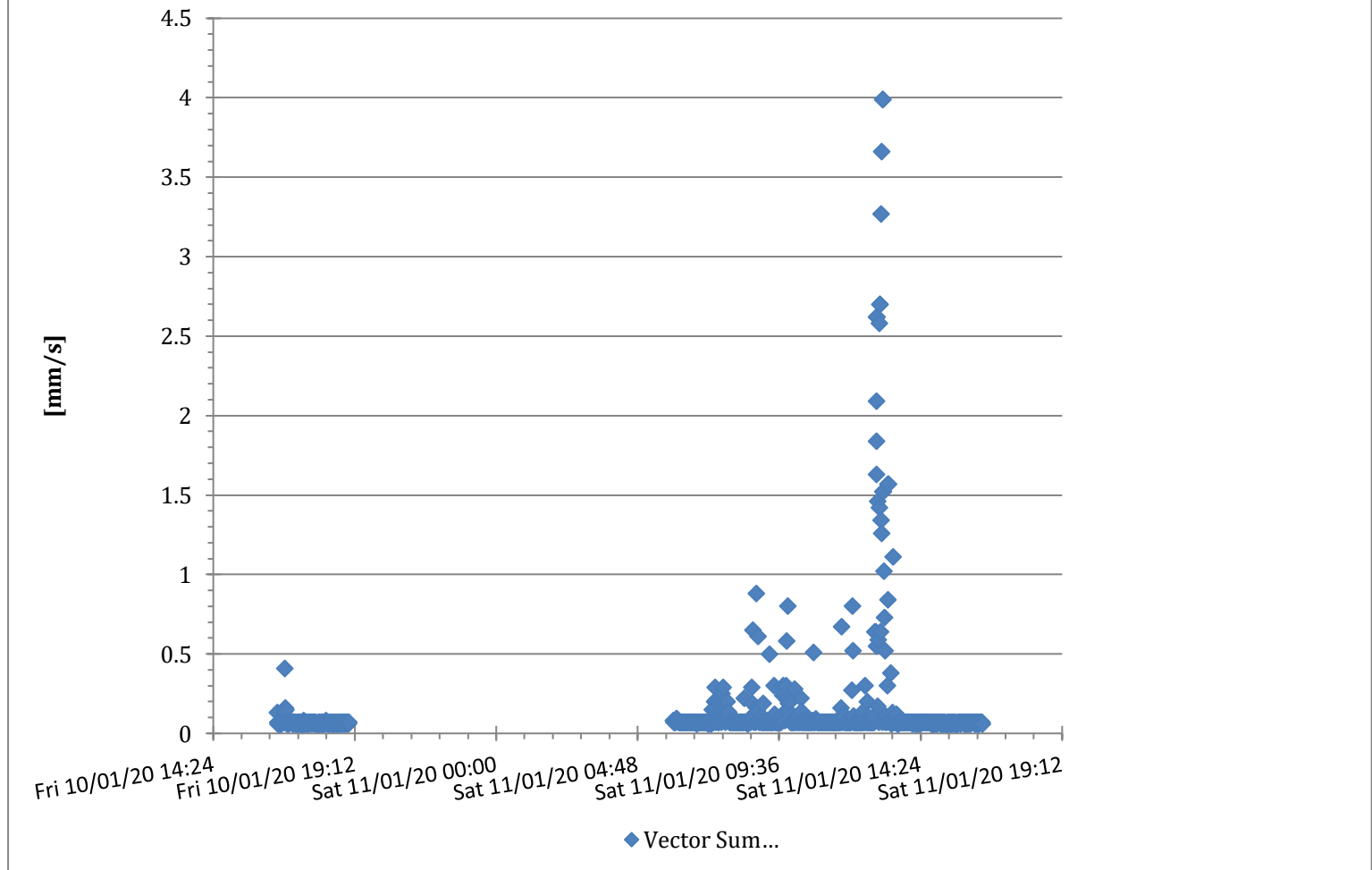
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



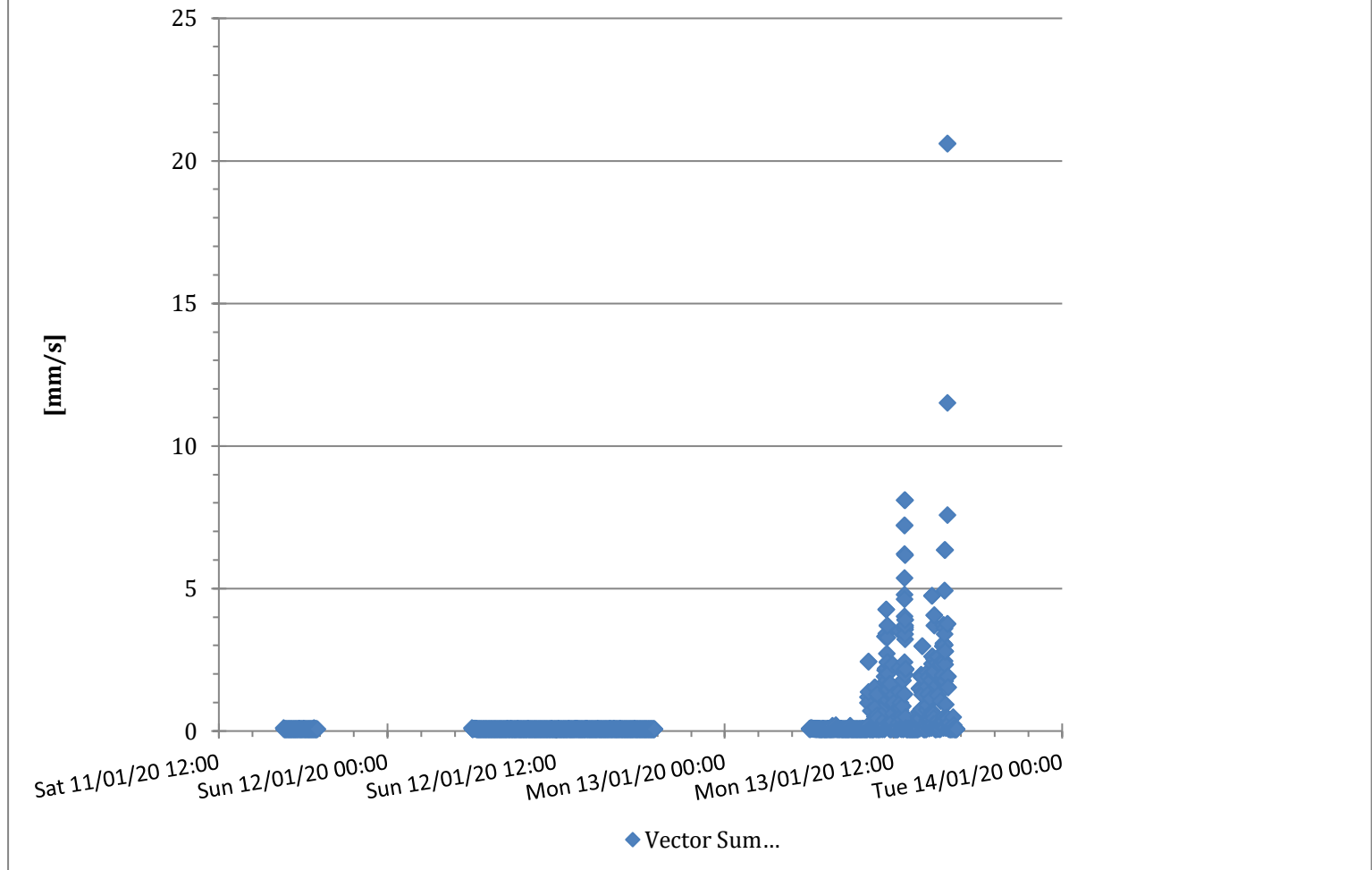
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



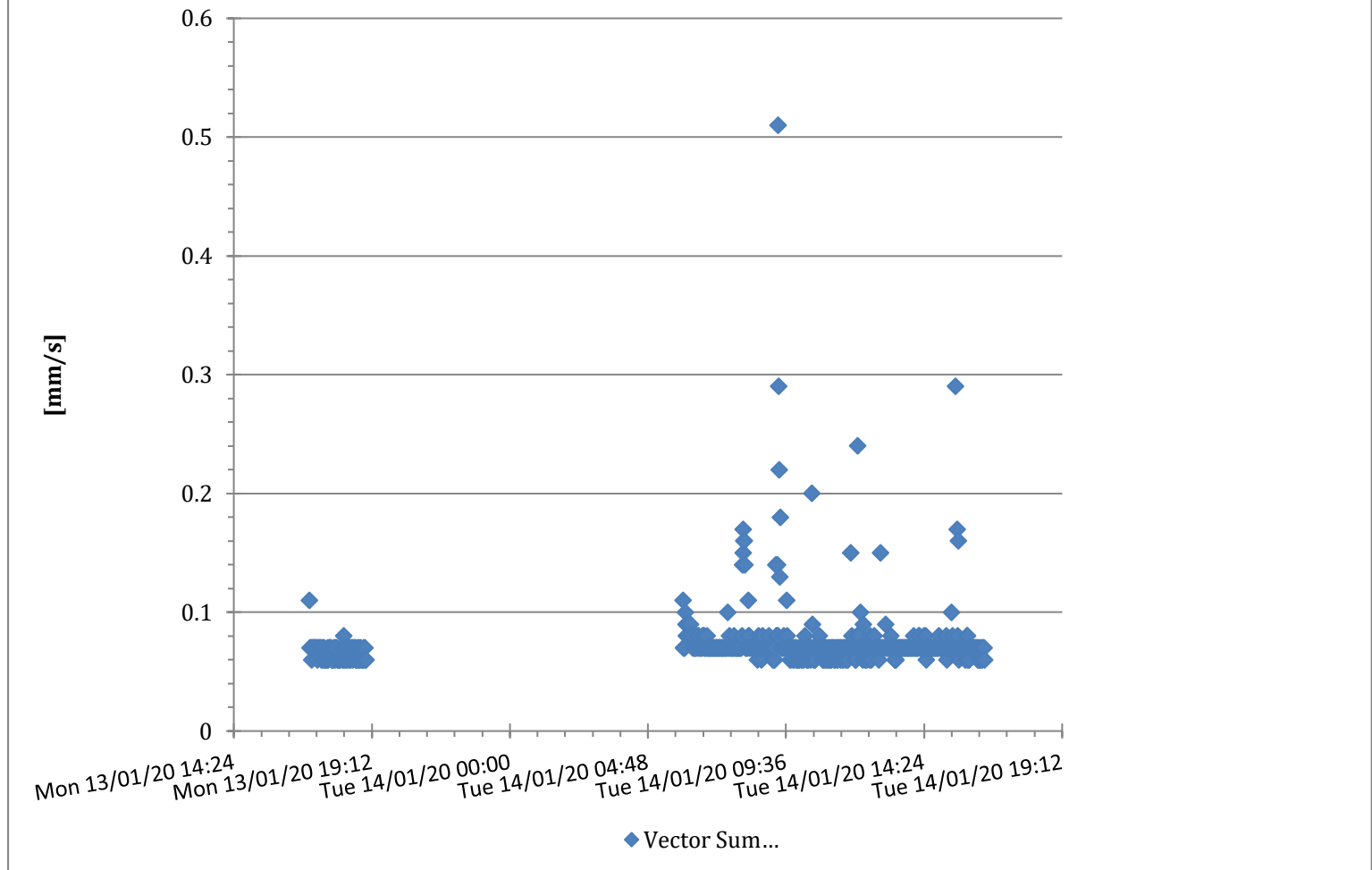
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



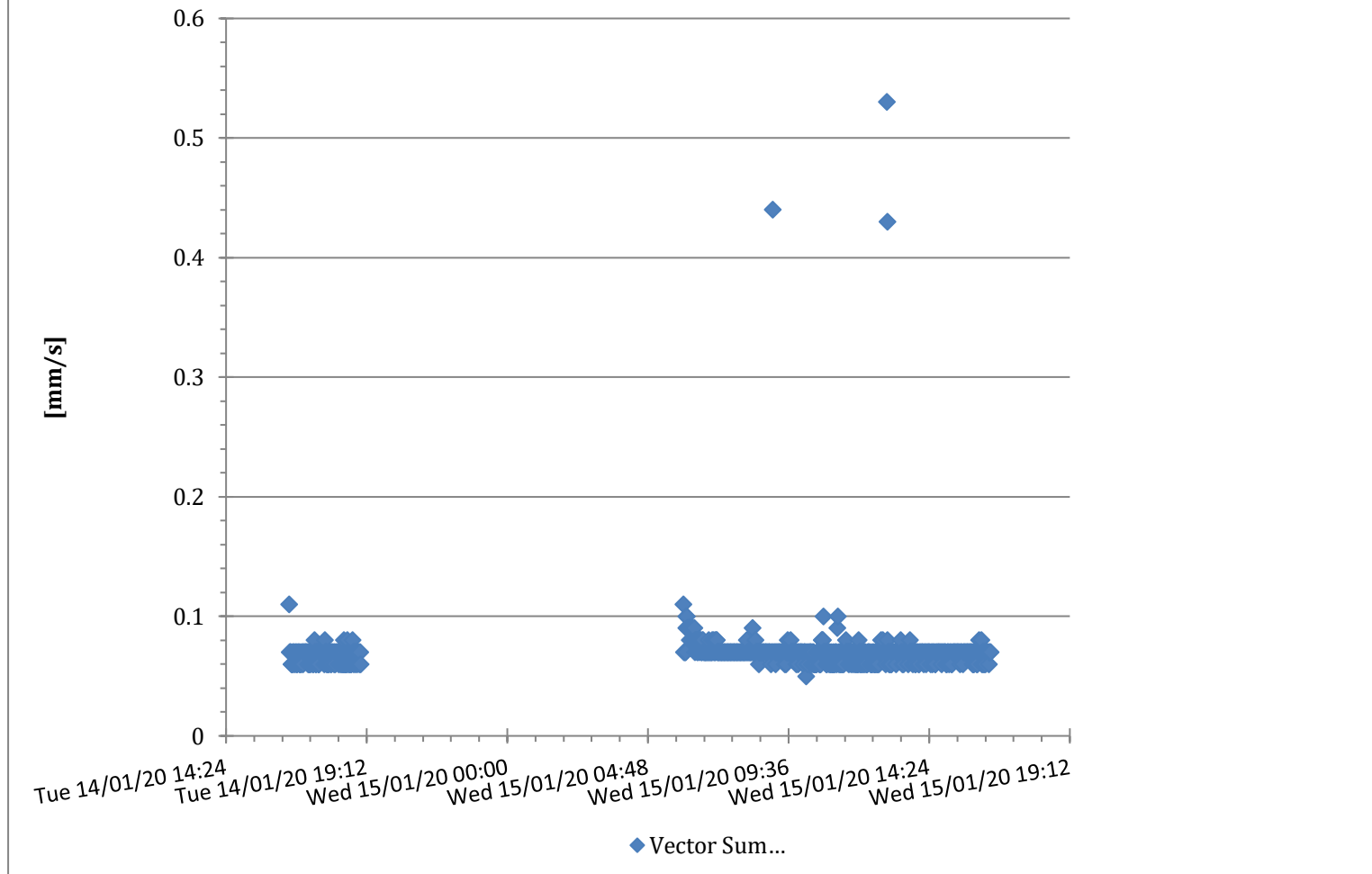
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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



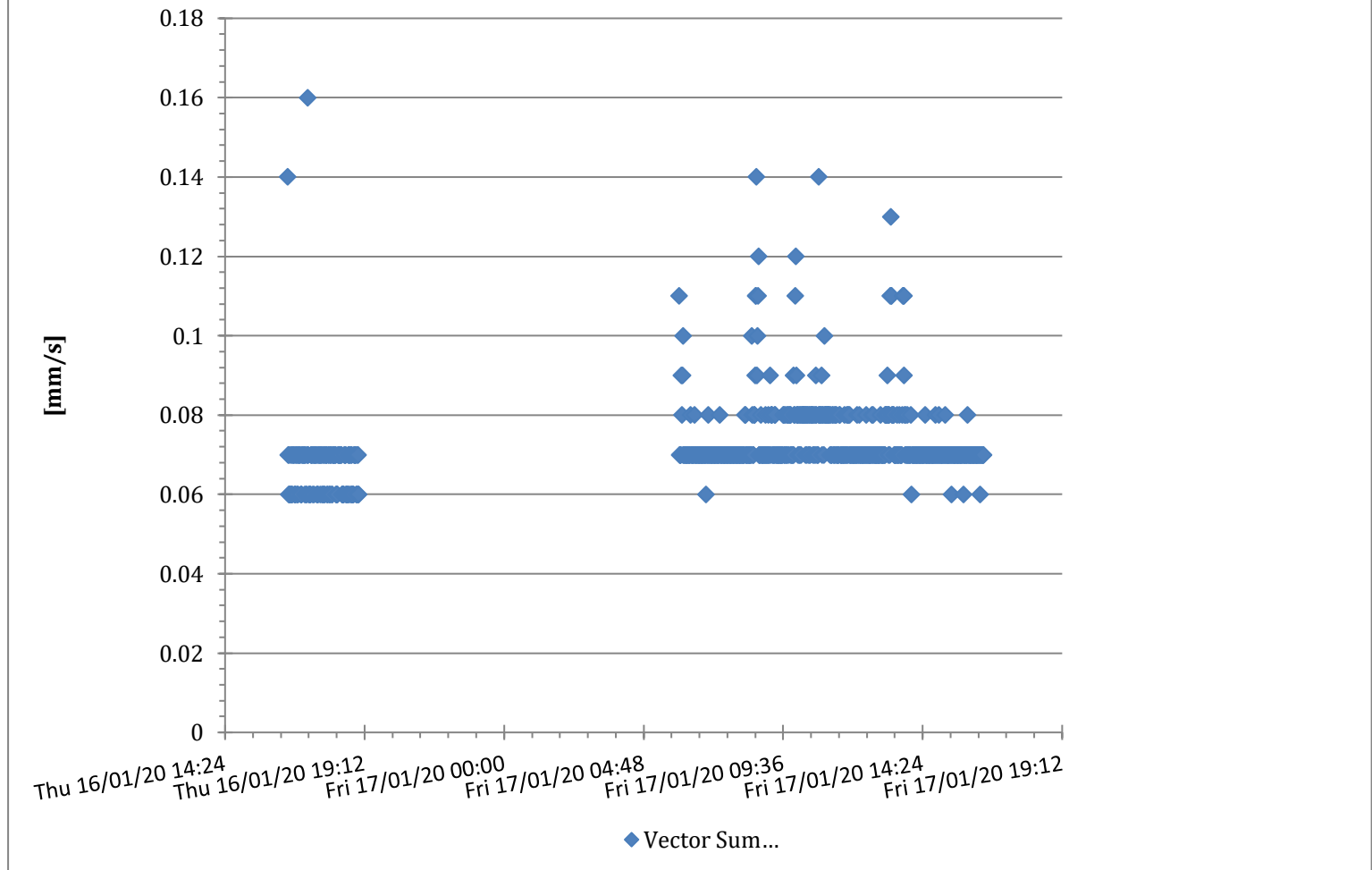
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



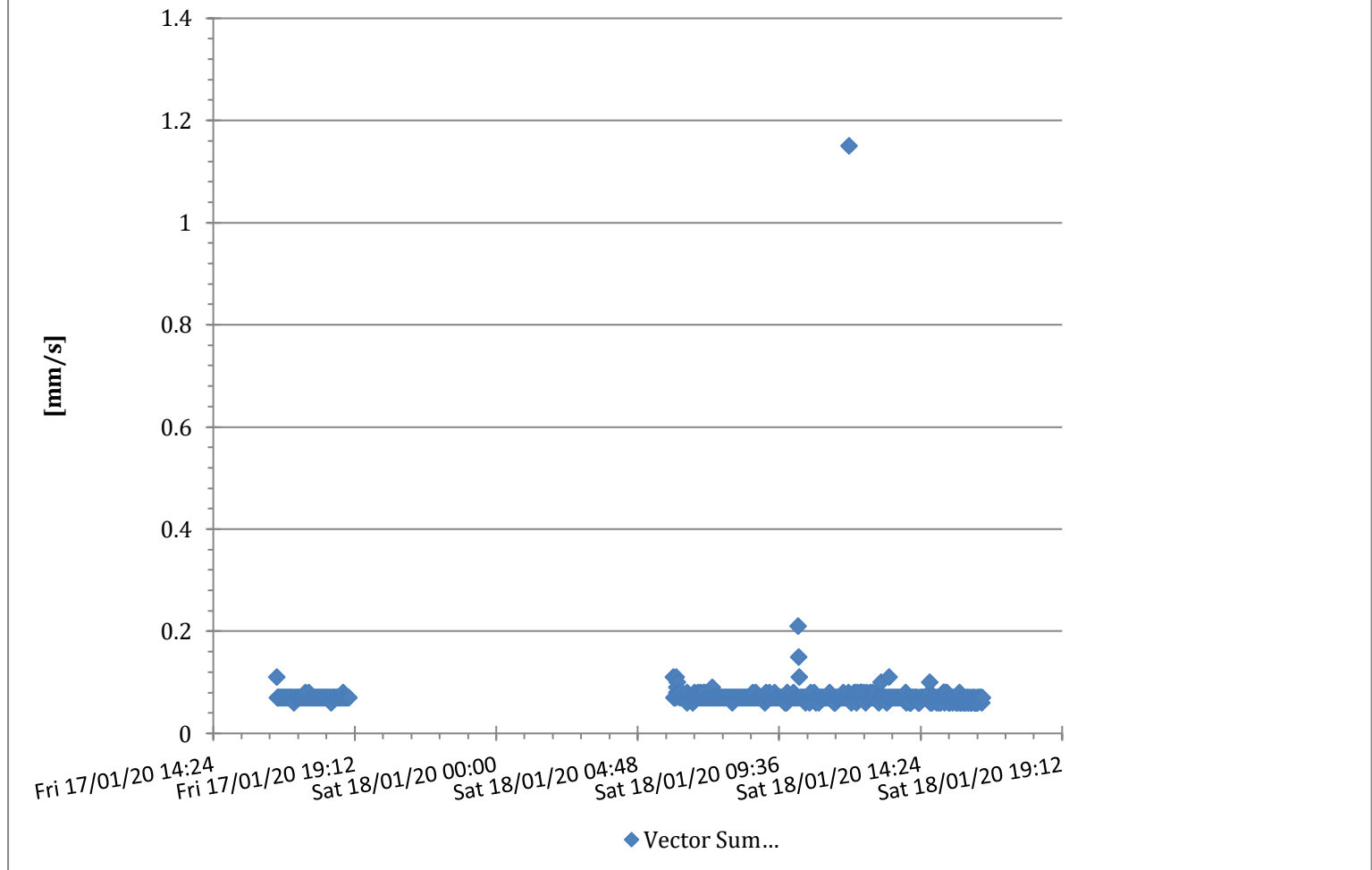




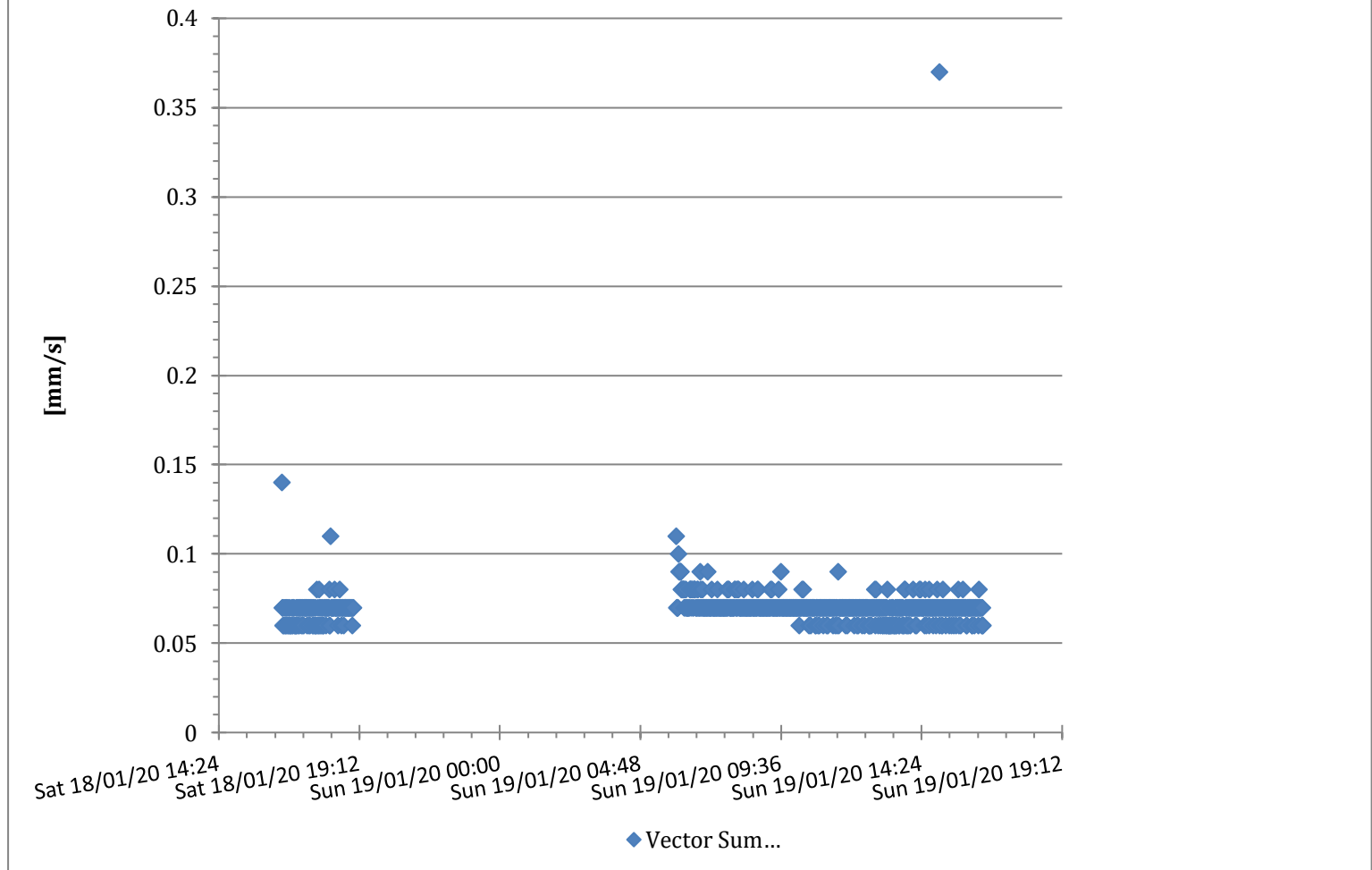
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



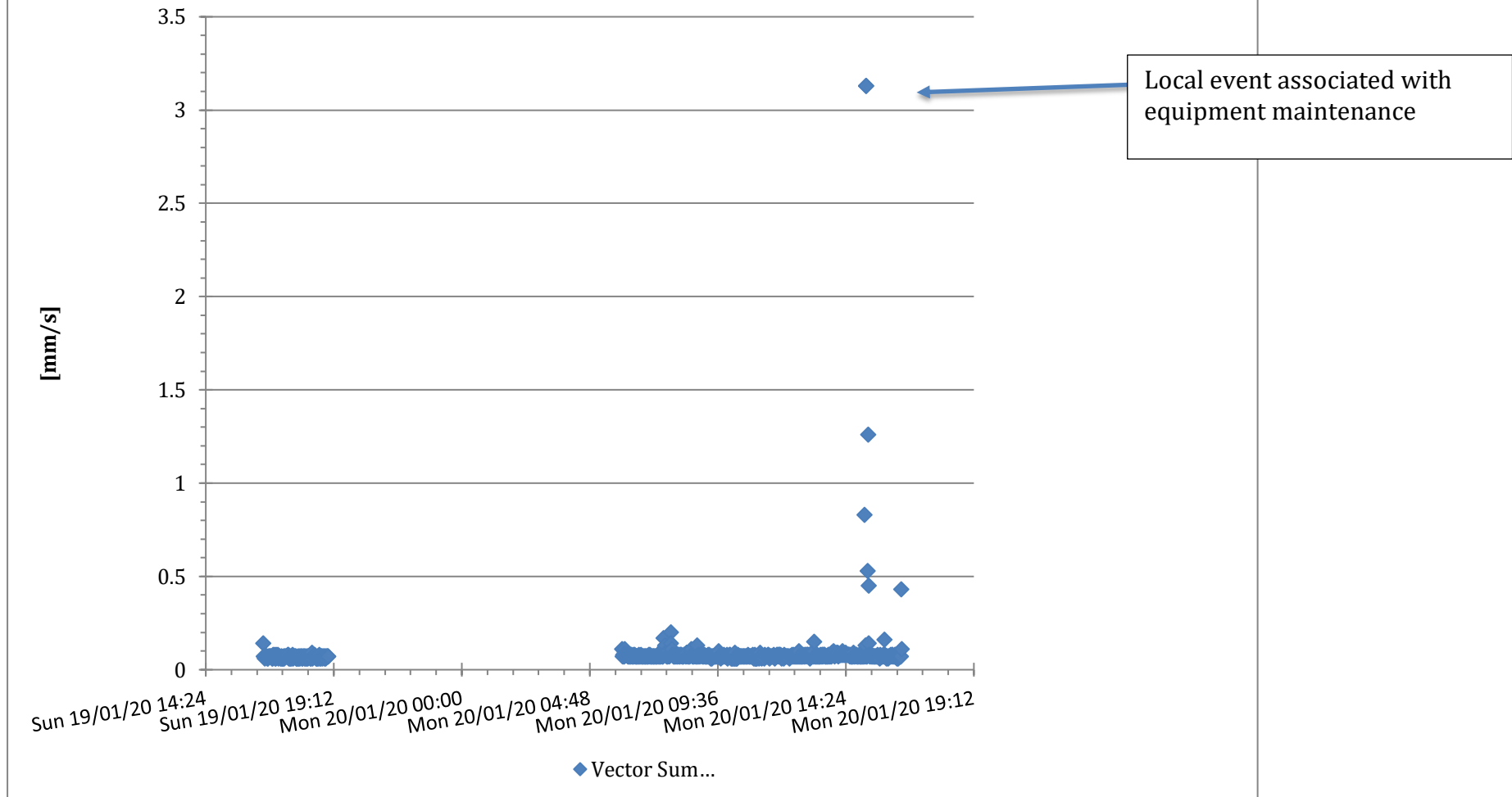
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



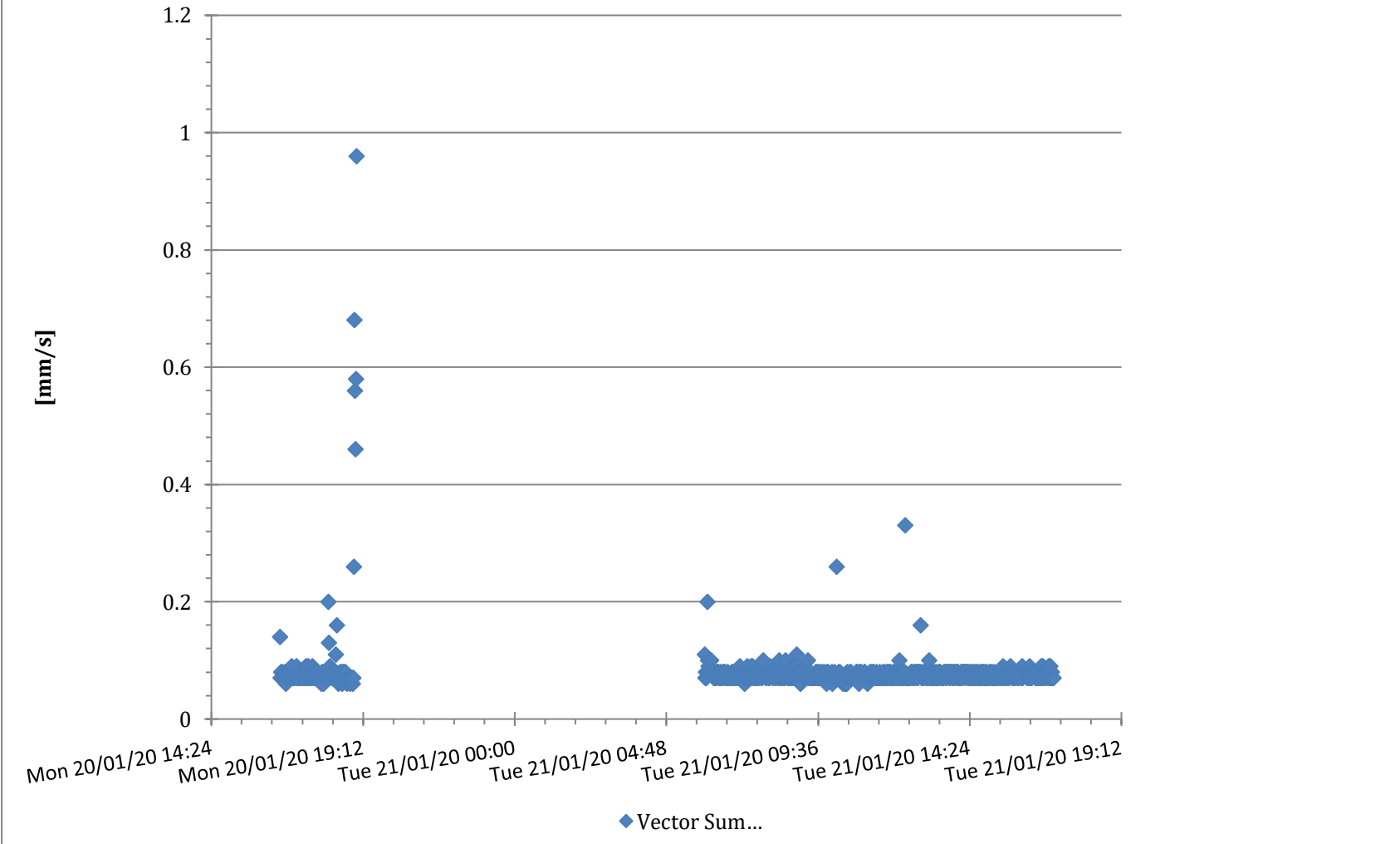
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



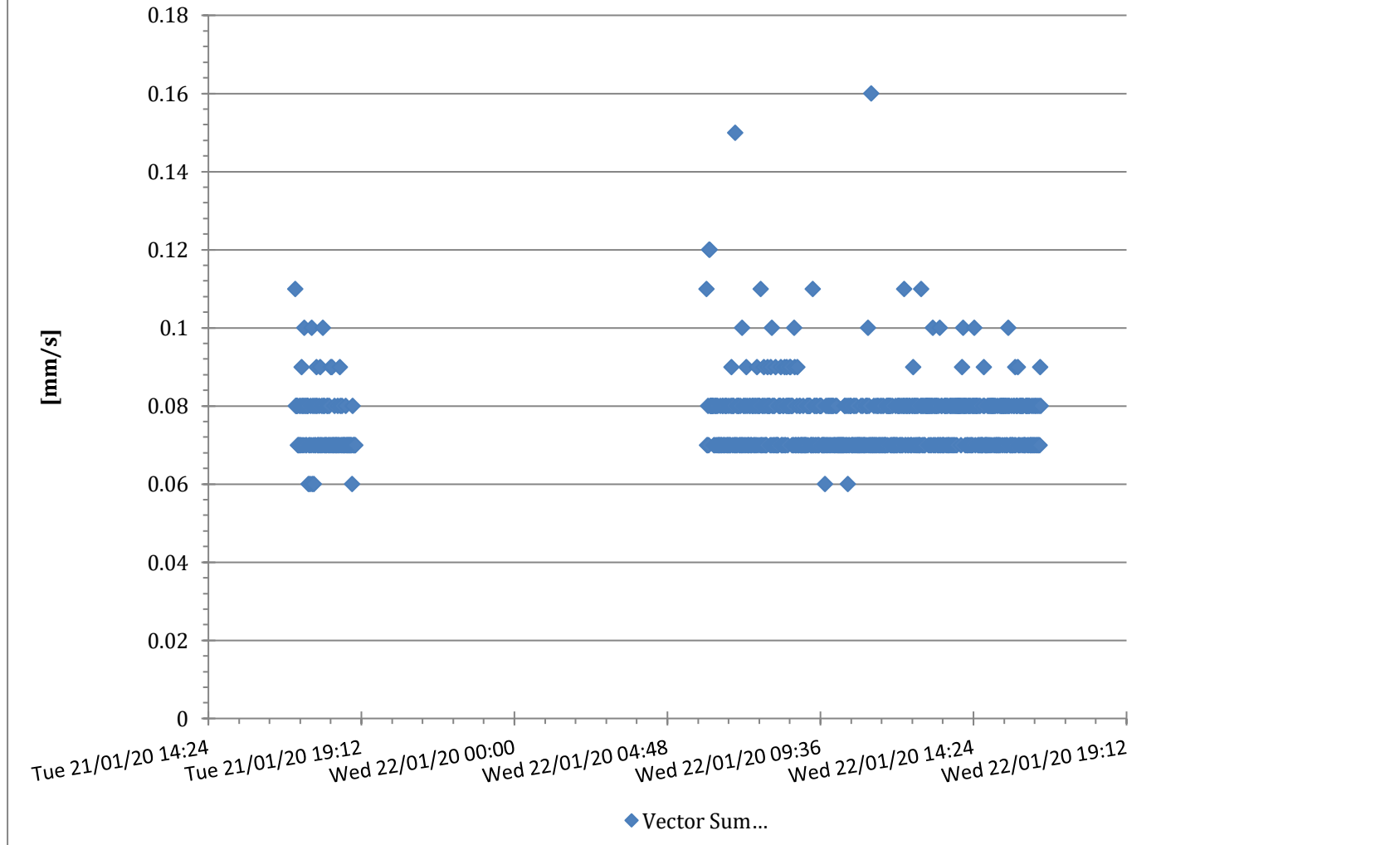
# M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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



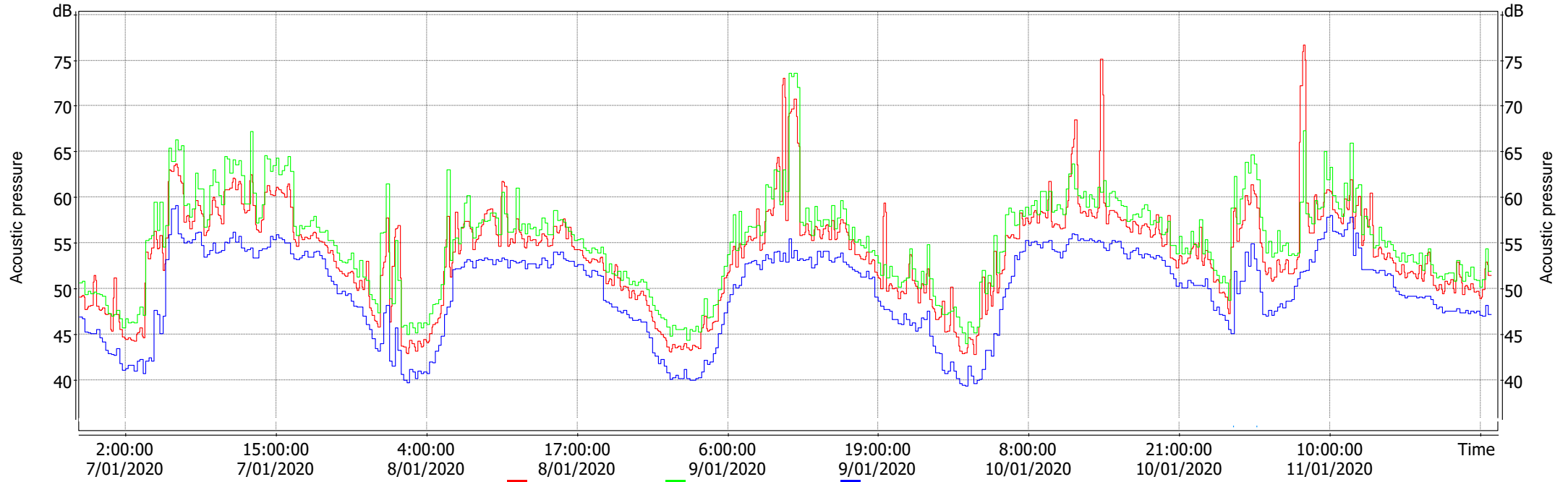
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

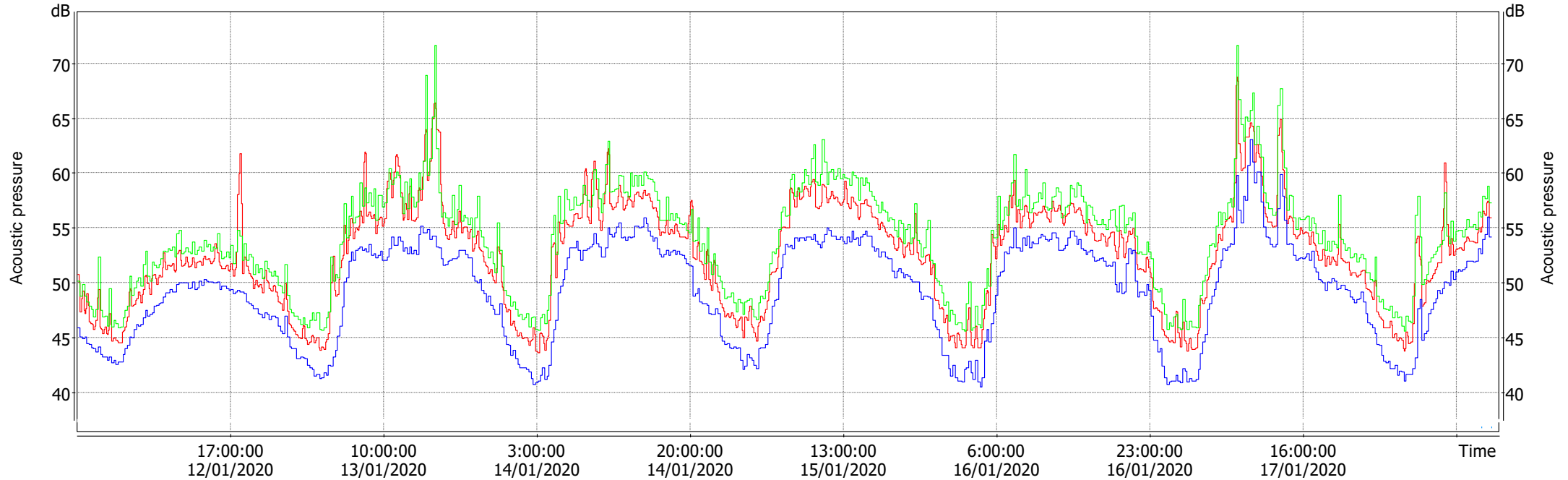


Logger results, logger step = 04:20



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	6/01/2020 22:35:32.200	-	47.7	49.4	45.3
Overload (TH)	11/01/2020 1:42:45.200	00:00:02.000	-	-	-

Logger results, logger step = 05:33

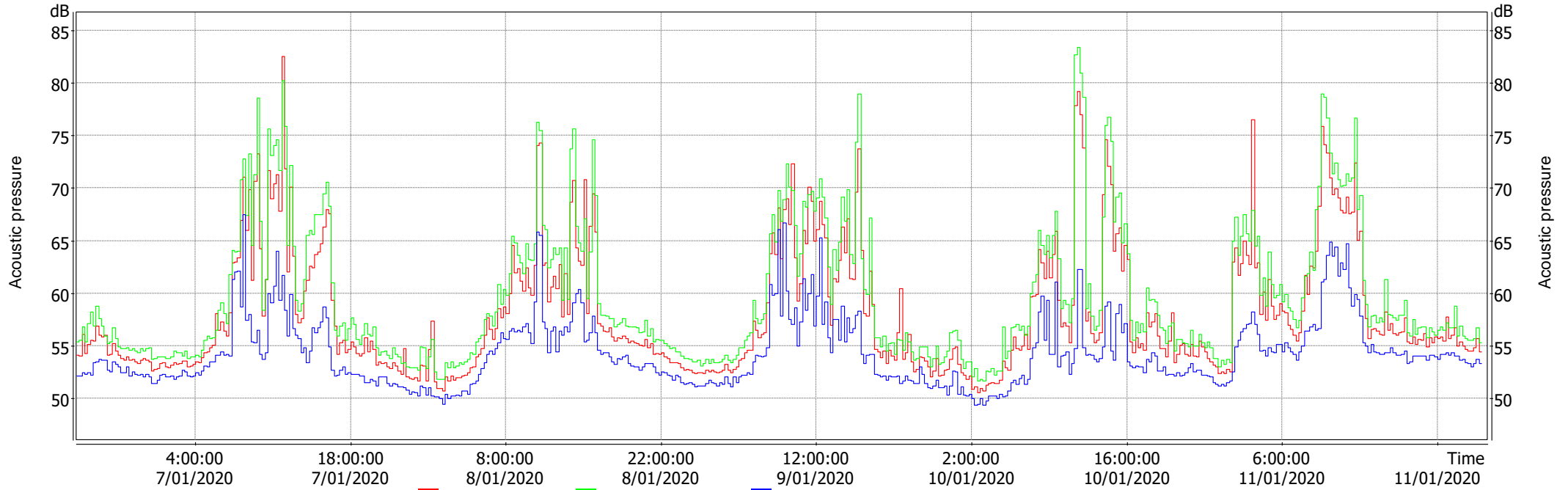


Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
	12/01/2020 17:00:00	13/01/2020 10:00:00	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	12/01/2020 0:41:45	-	49.2	49.9	44.9
Overload (TH)	18/01/2020 11:47:34	00:00:02.000	-	-	-

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



Logger results, logger step = 15 m, pixels per sample = 3



Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
-	7/01/2020 4:00:00	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	11/01/2020 9:15:00	-	64.0	68.0	56.5