



Richard Crookes Constructions

The Art Gallery of NSW  
Sydney Modern Development

Noise and Vibration Monitoring Results  
Report August

White Noise Acoustics  
303, 74 Pitt Street,  
Sydney NSW 2000

ABN: 35 632 449 122

The information in this document is subject to copyright and is the property of White Noise Acoustics. This document shall be returned if demanded. This document and the information contained within this document shall not be reproduced, copied, or communicated to another party other than for that with relation to the relevant inquiry or project without written permission from White Noise Acoustics.

Document Control

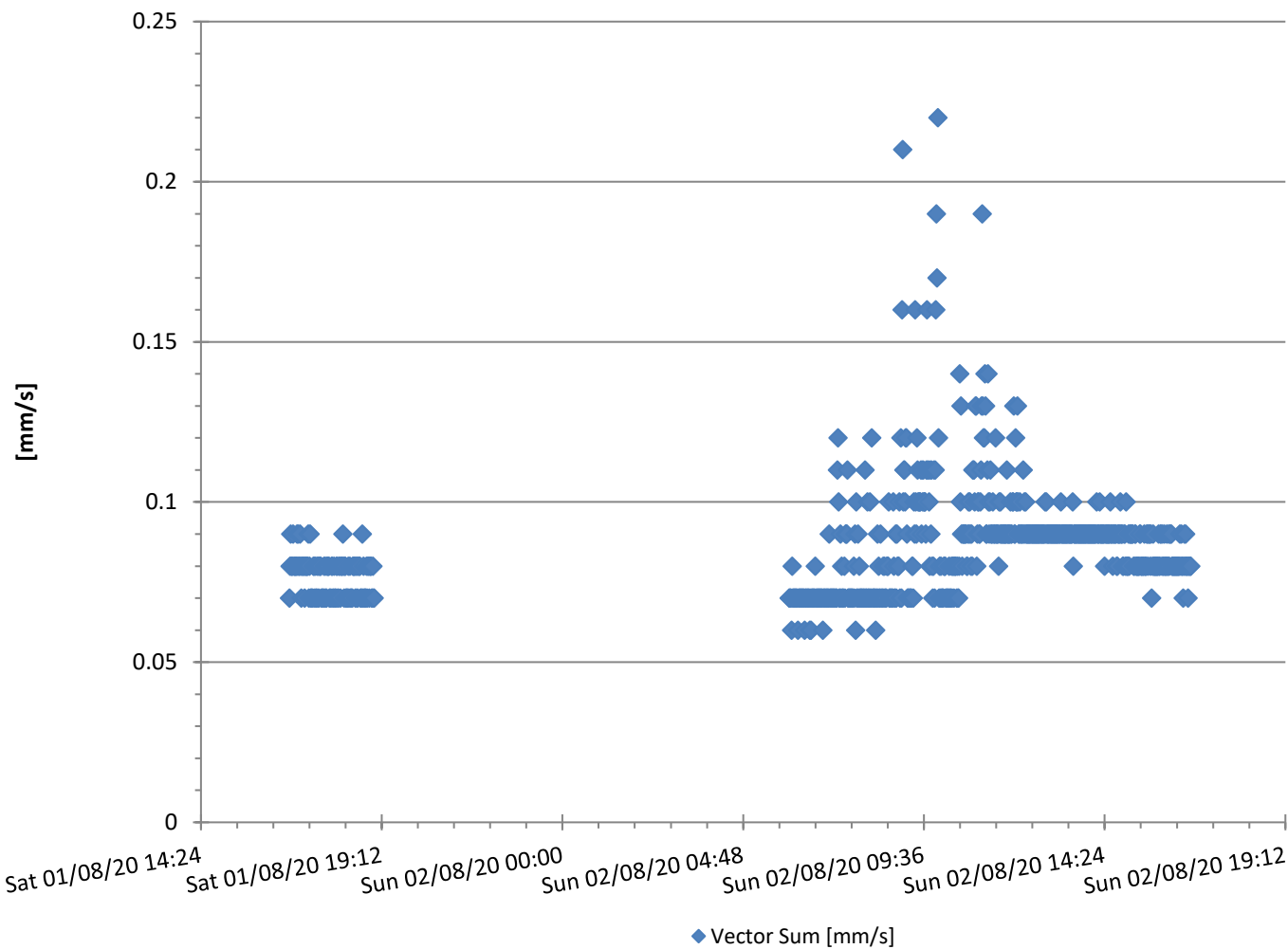
<b>Project Name</b>	<b>Sydney Modern Development</b>
<b>Project Number</b>	19078
<b>Document Type</b>	Noise and Vibration Monitoring Results
<b>Reference Number</b>	19078_200831_Monitoring Results_August_BW_R0
<b>Attention</b>	Belinda Luther

<b>Revision</b>	<b>Date</b>	<b>Reference Number</b>	<b>Drafted By</b>	<b>Approved By</b>
<b>0</b>	31/08/2020	19078_200831_Monitoring Results_August_BW_R0	BW	BW

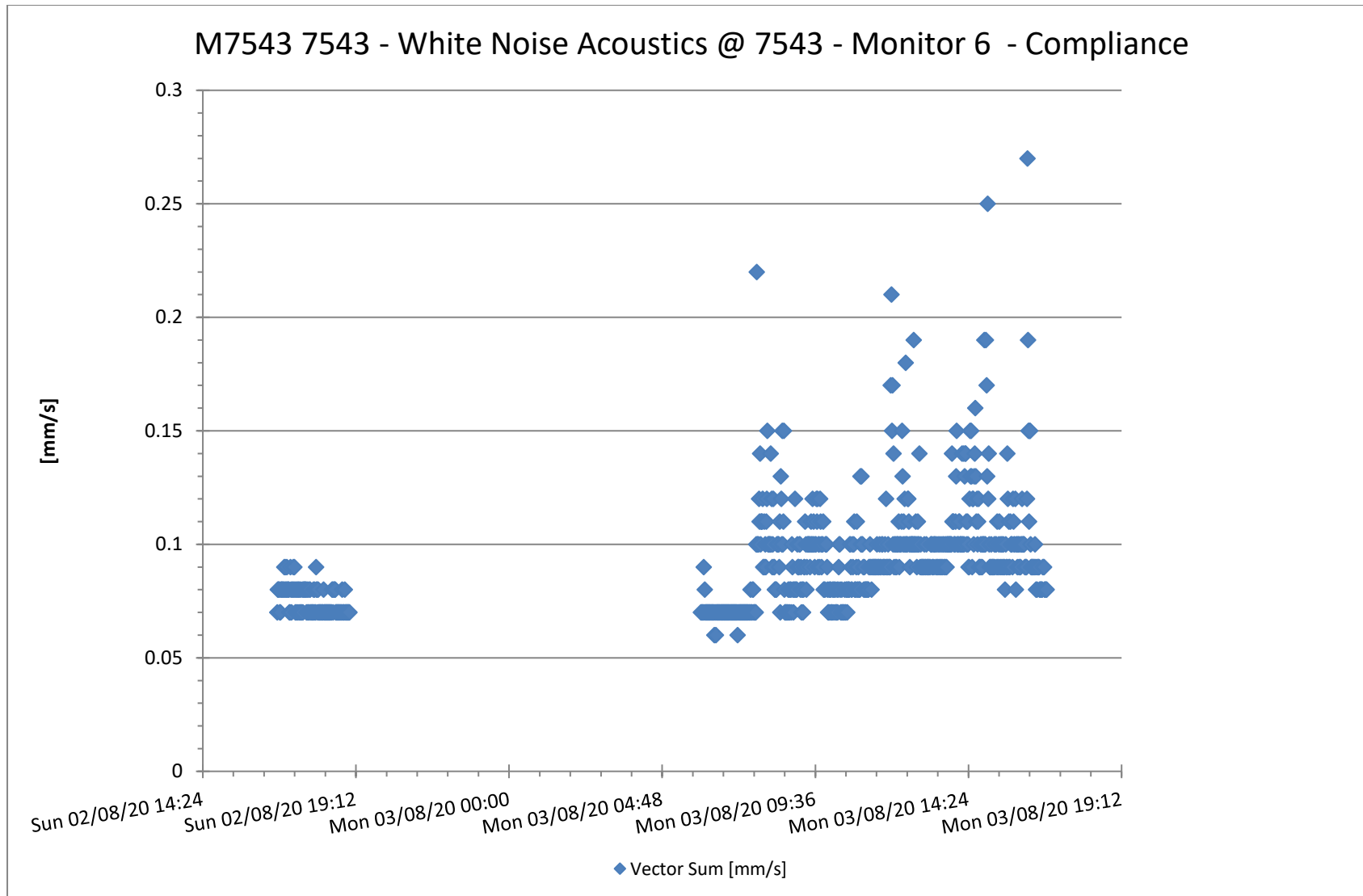


## **8 Appendix B – Logger Location 1 – Monitor 7543**

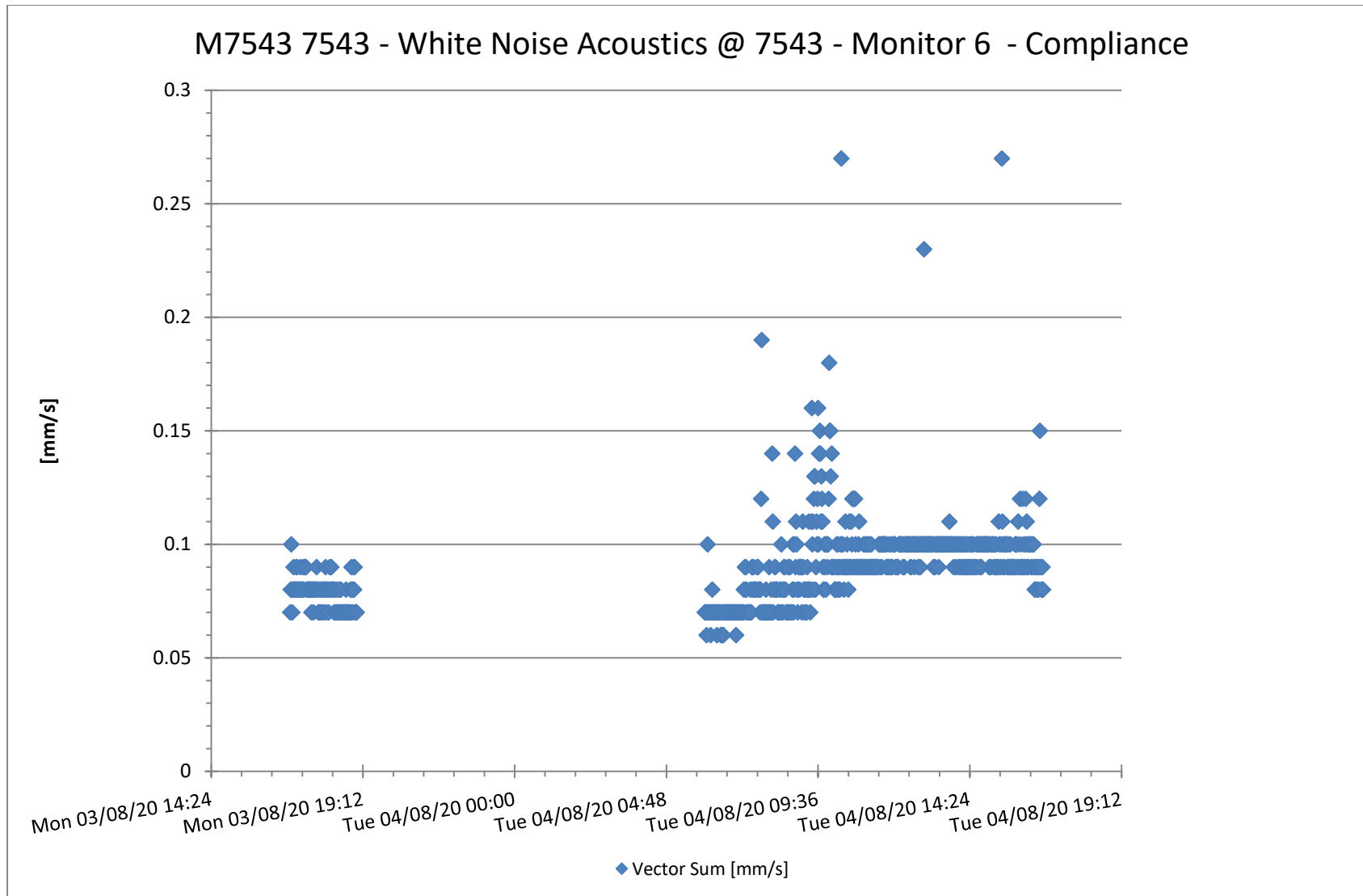
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



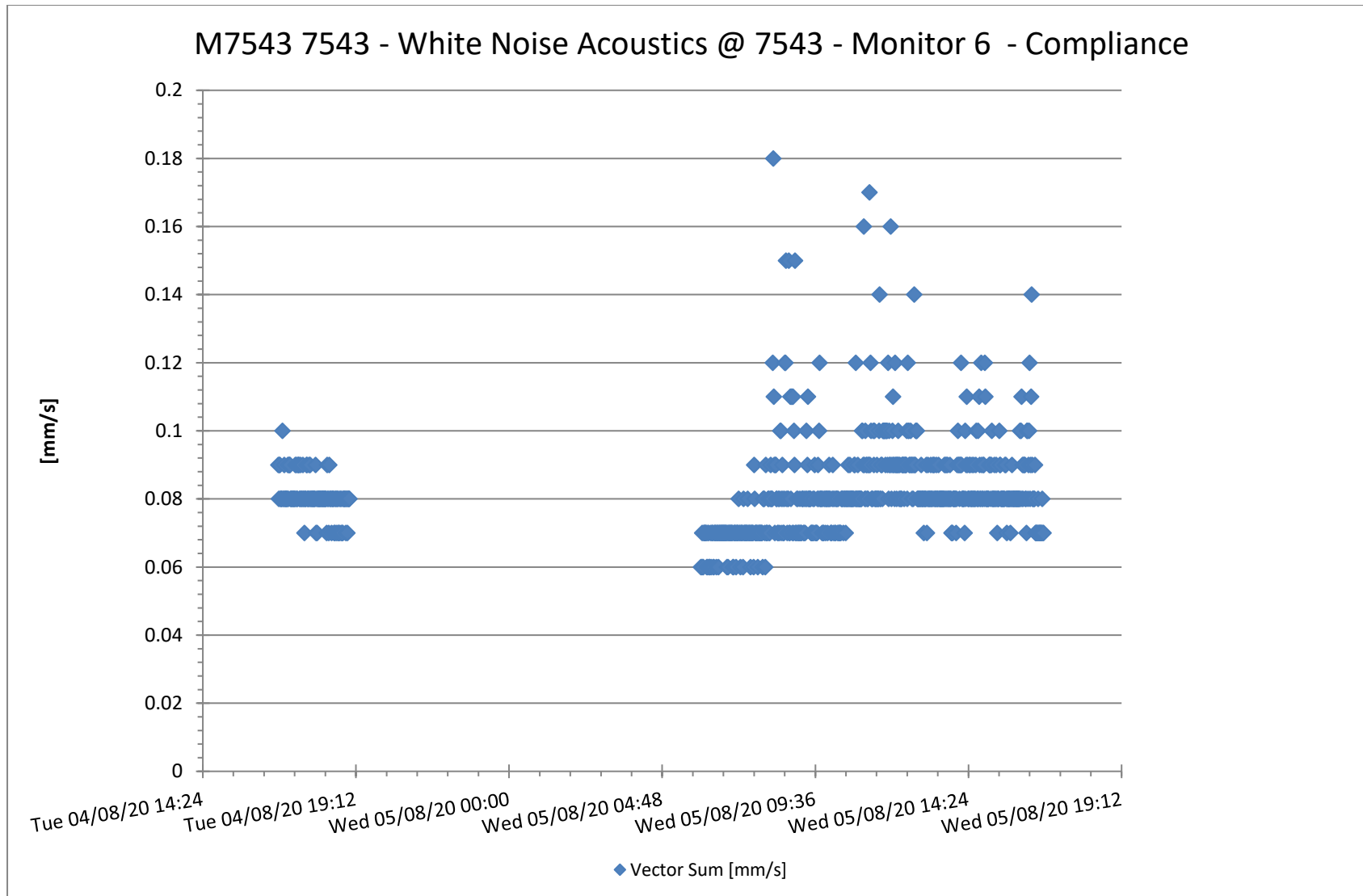
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



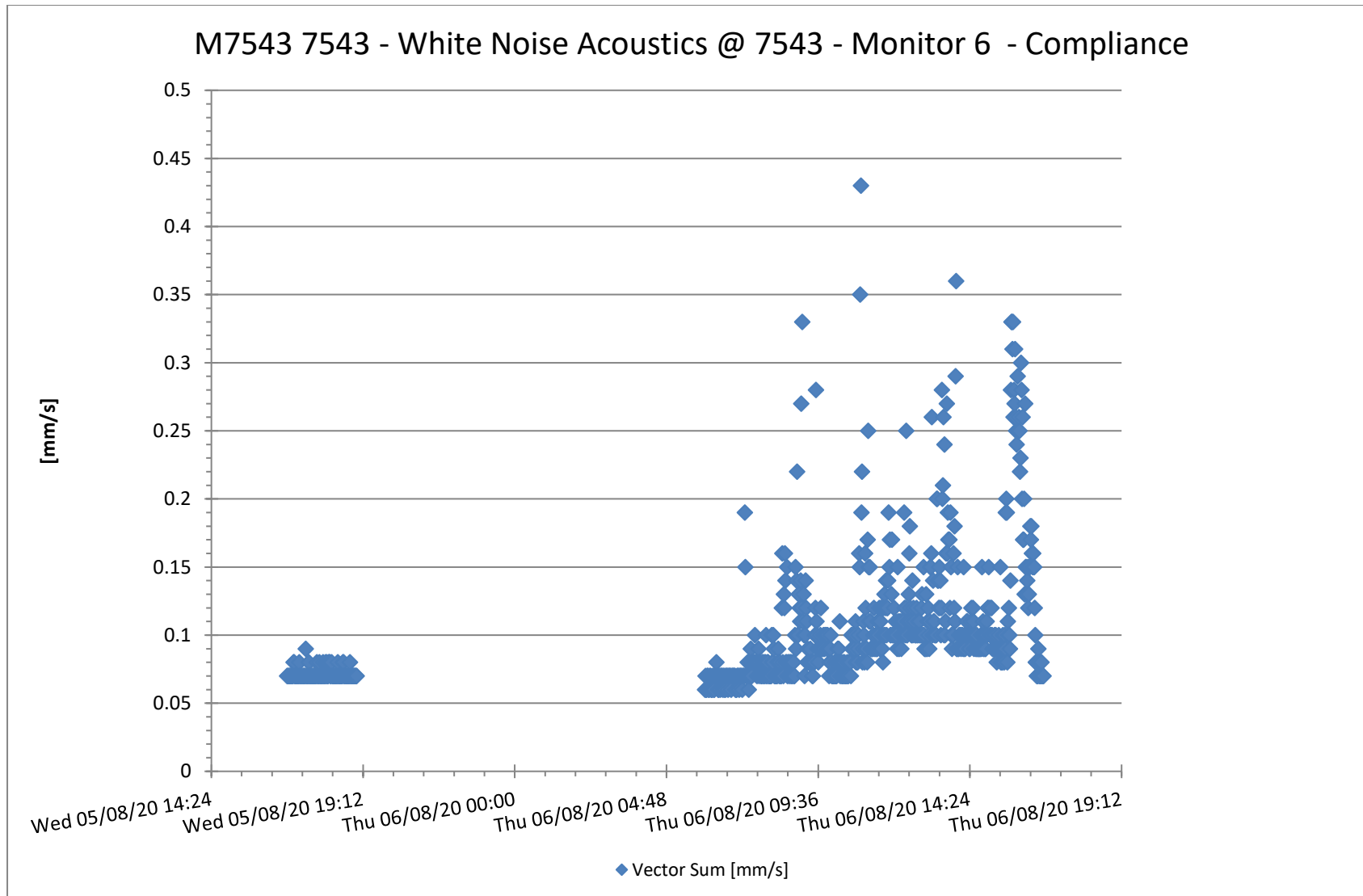
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



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

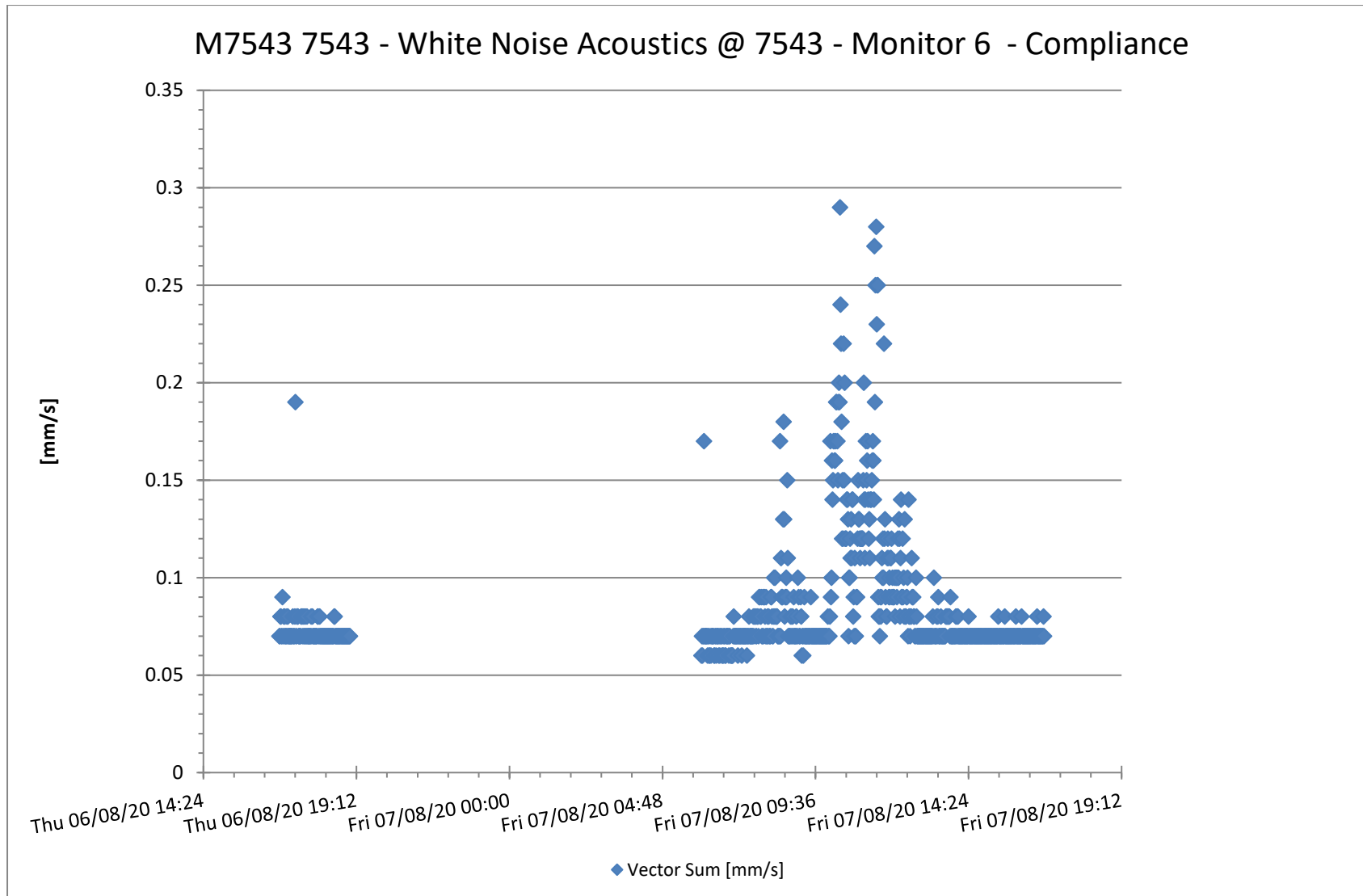


### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance

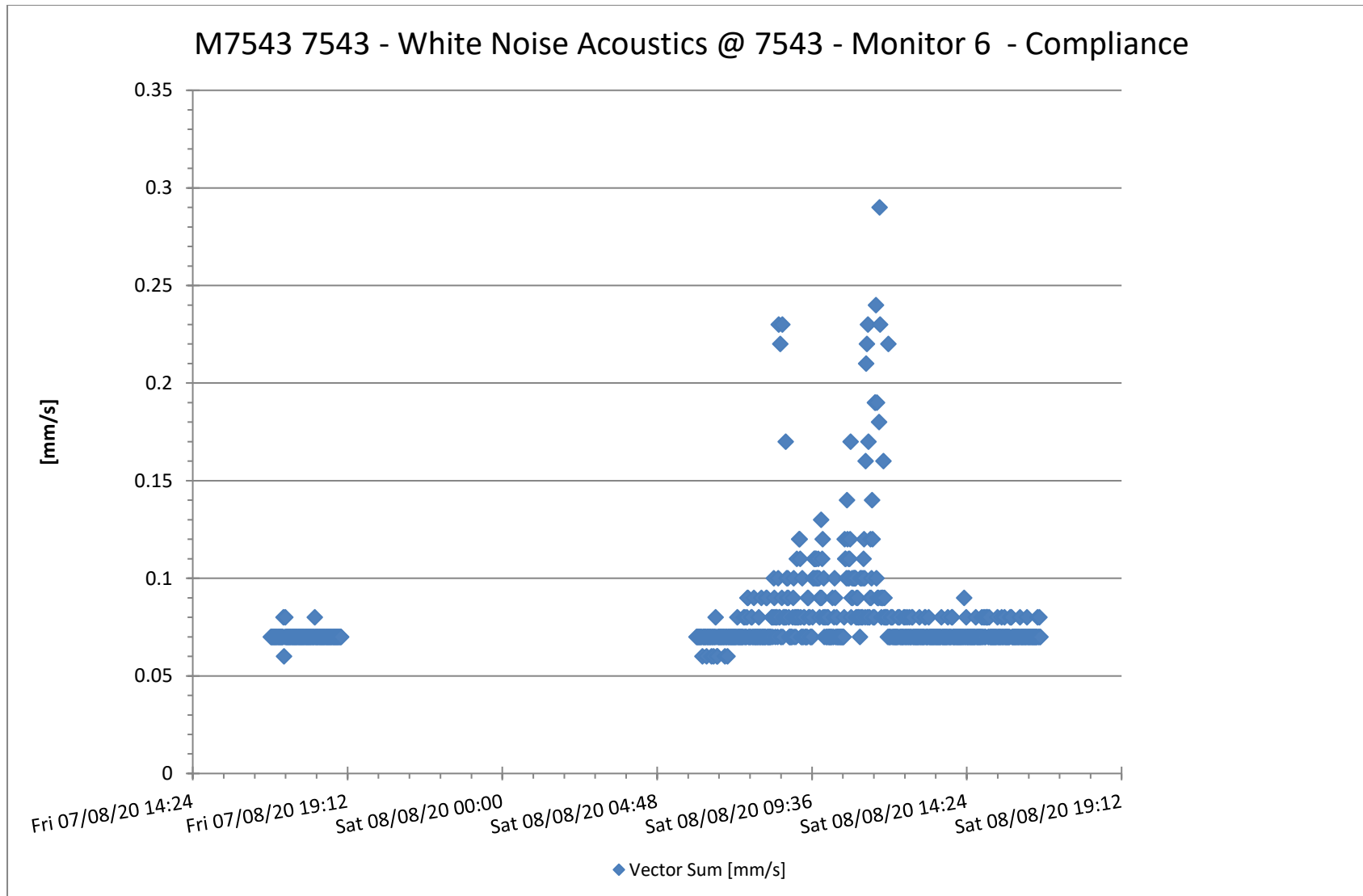




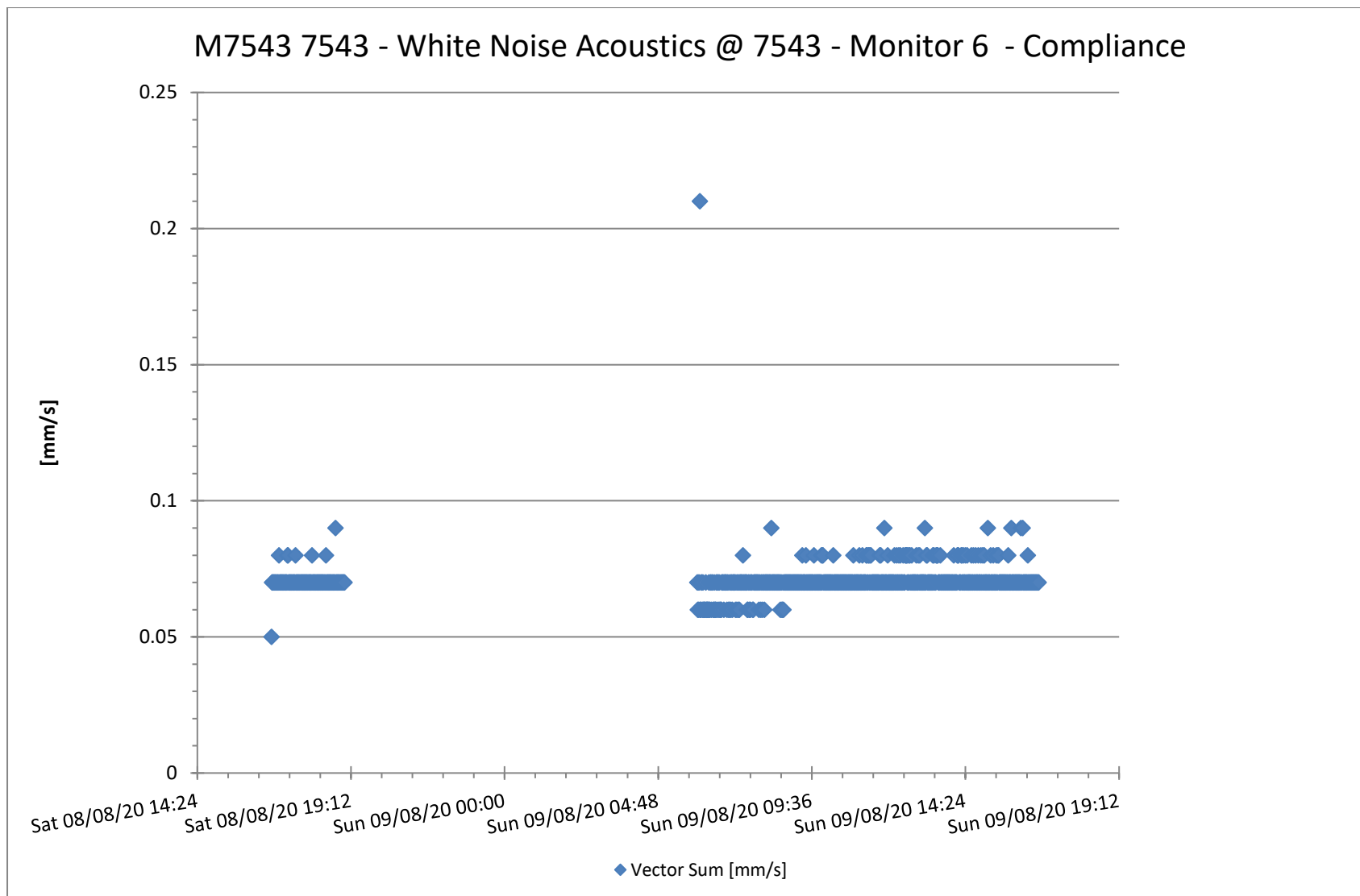
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



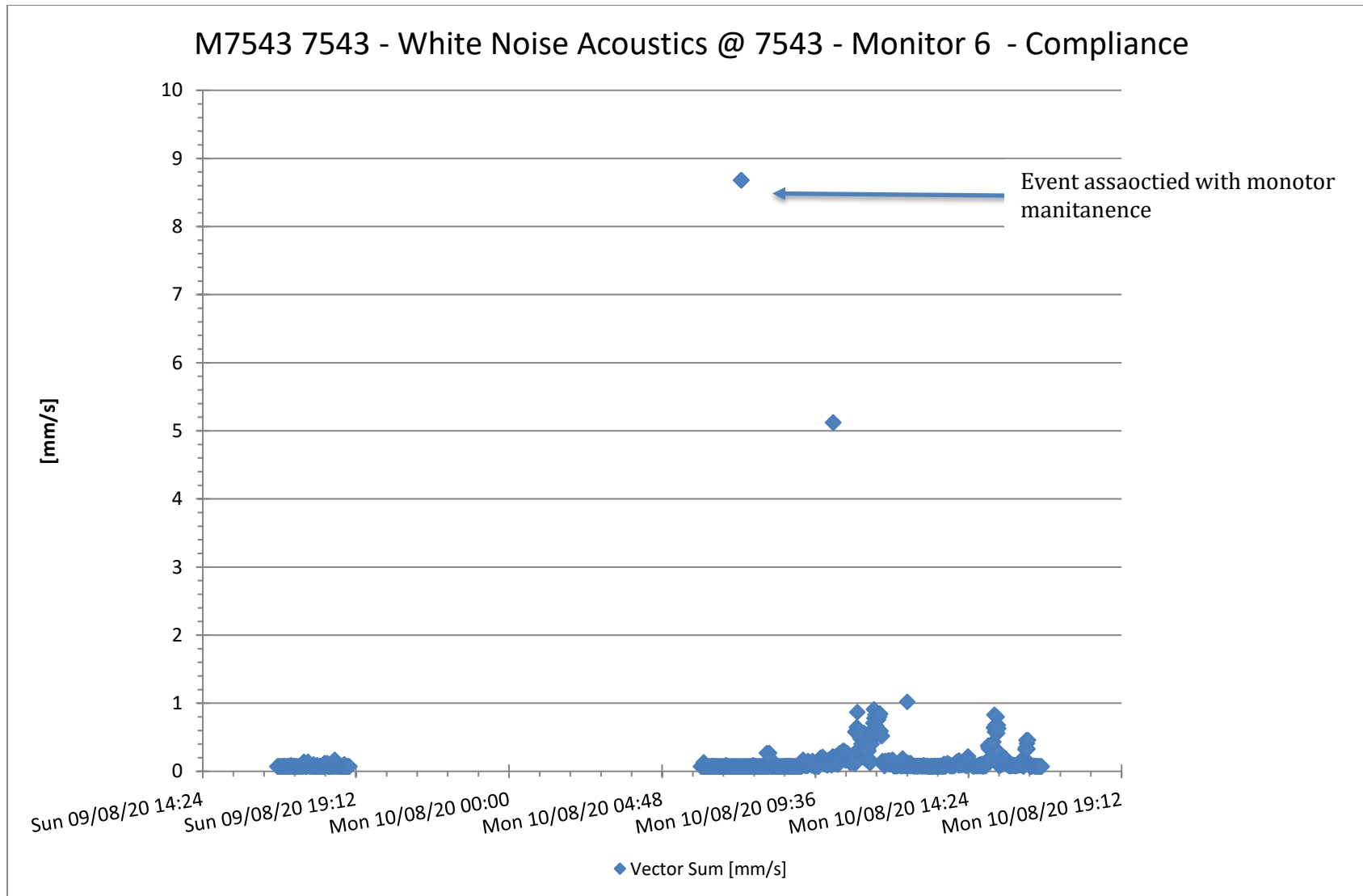
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



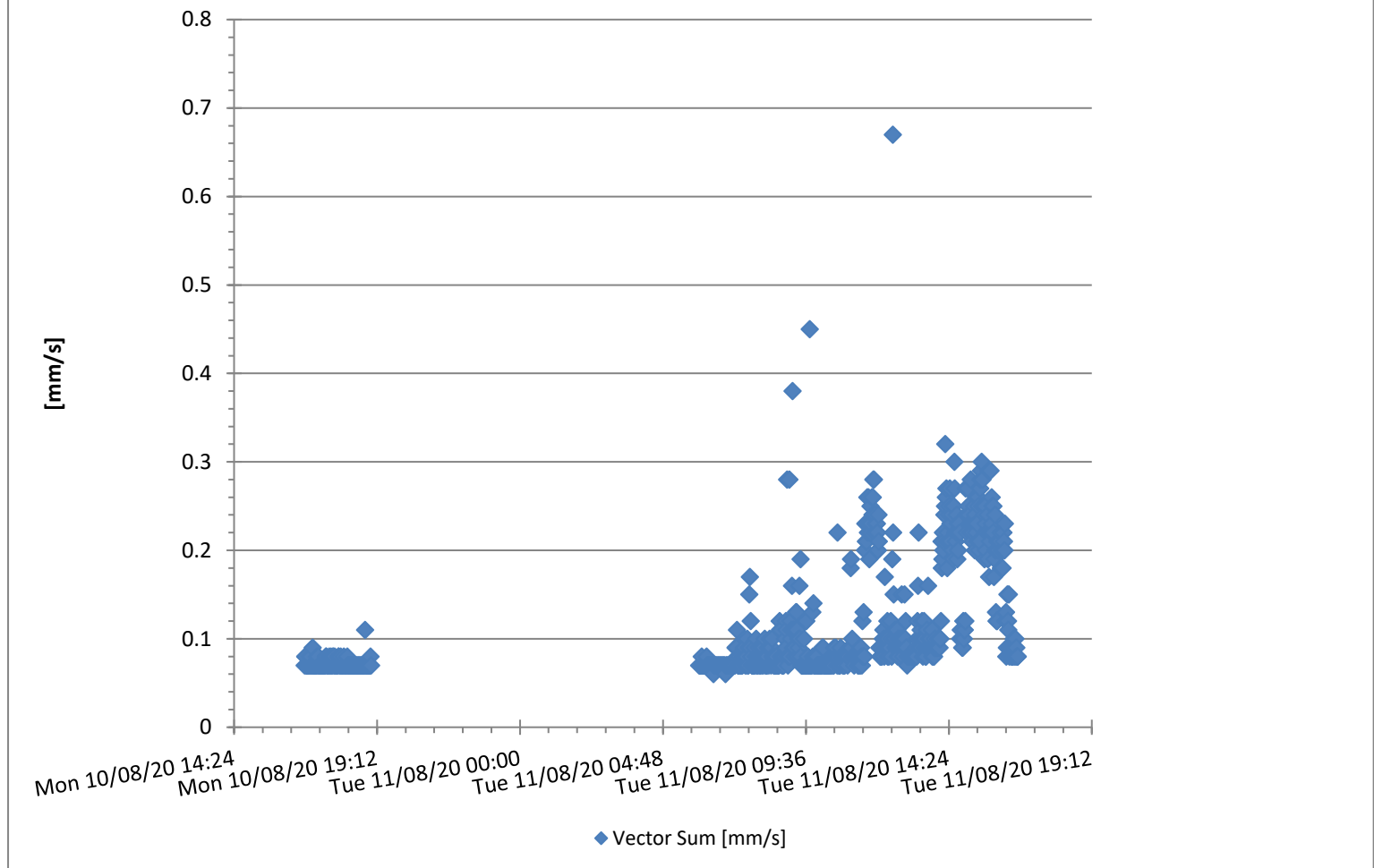
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



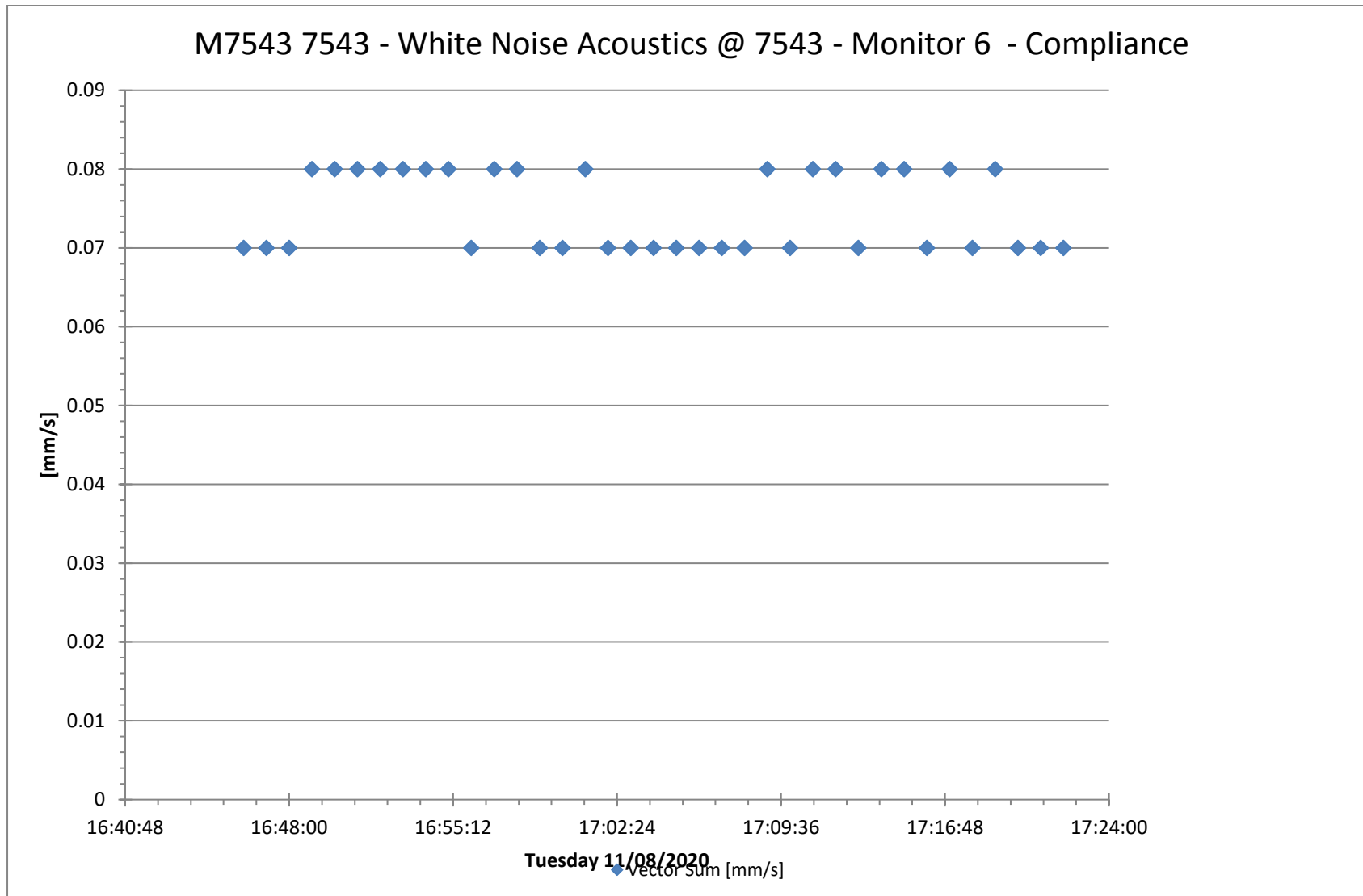
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



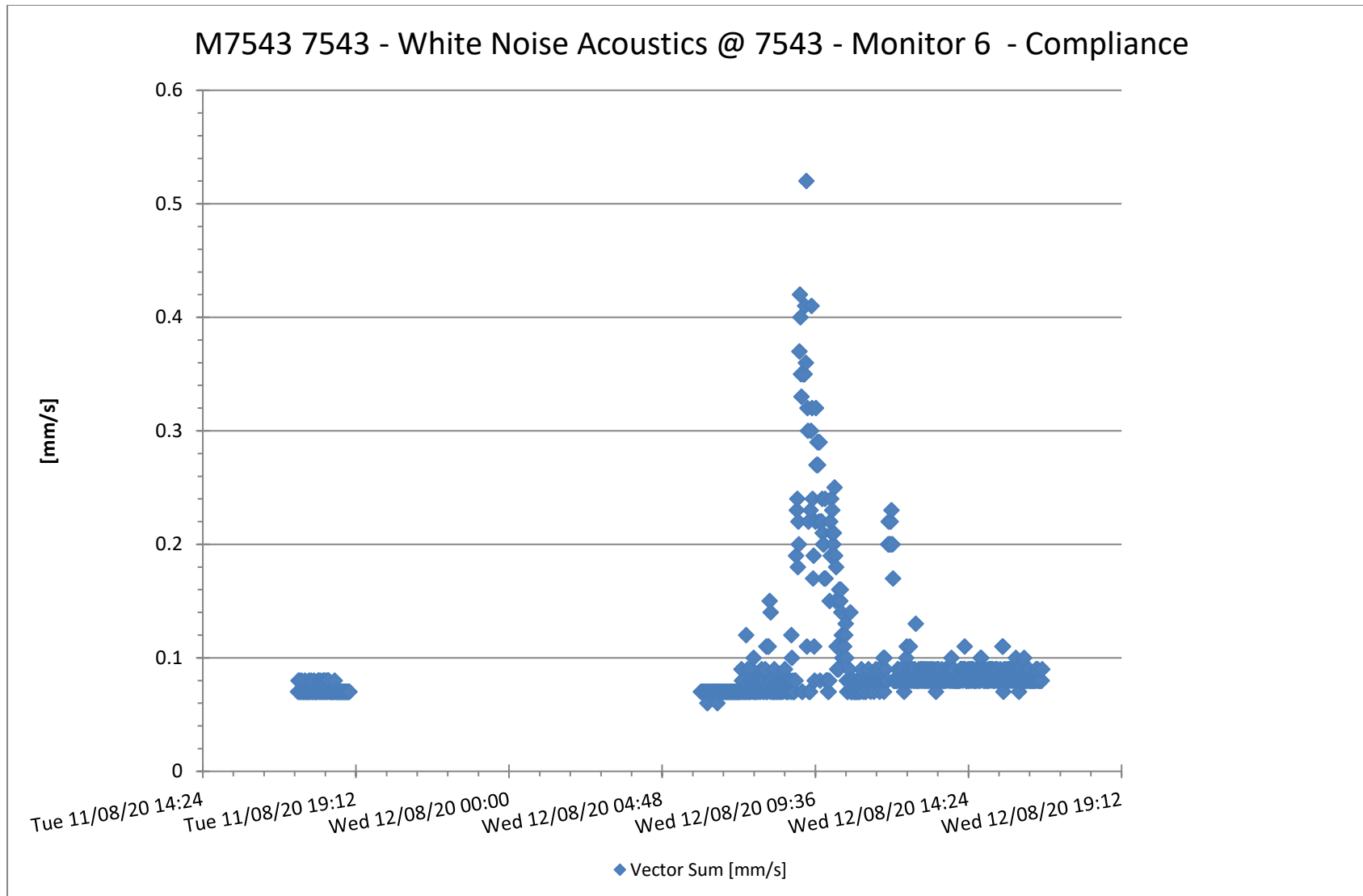
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



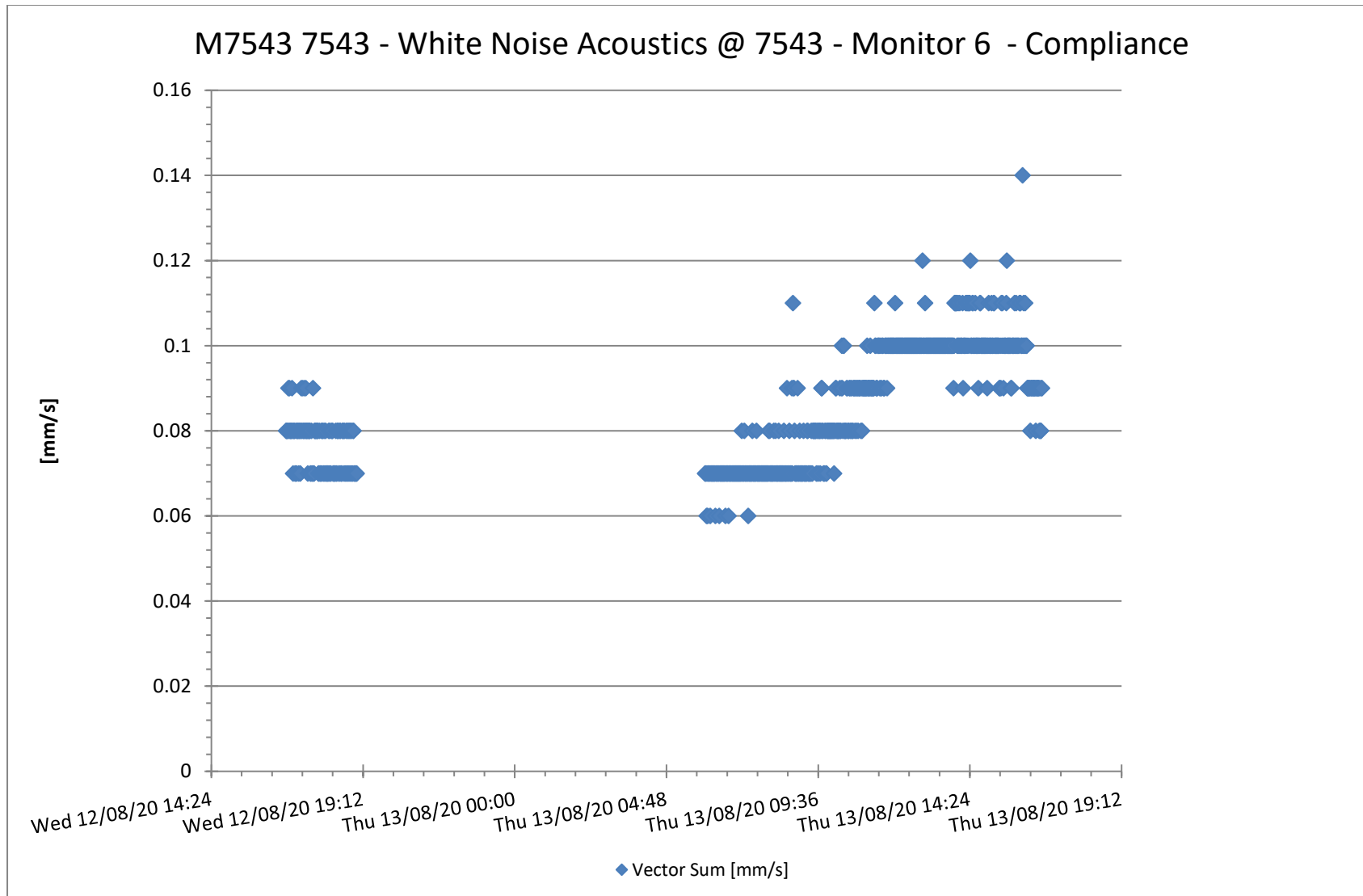
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



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

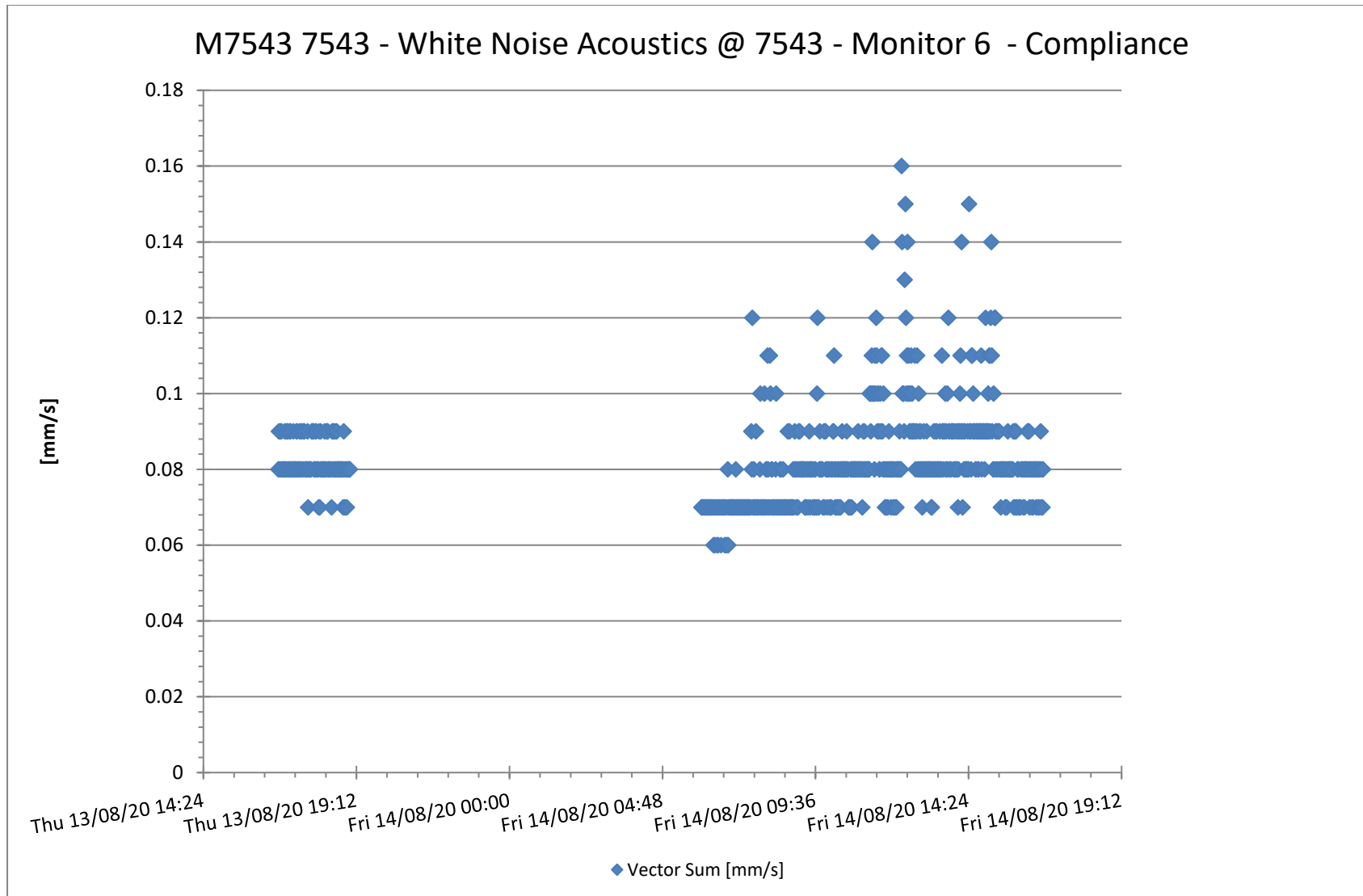


### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance

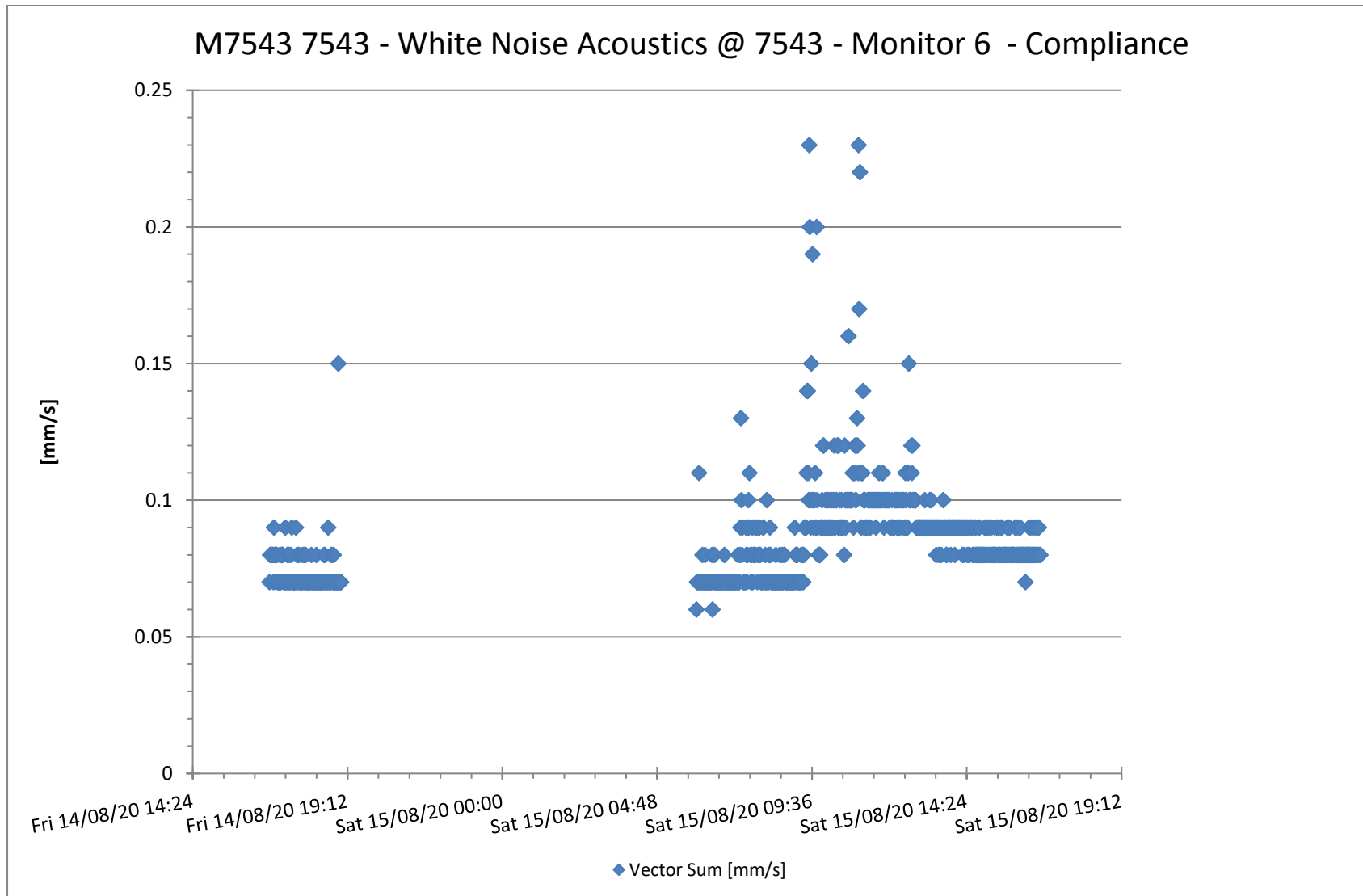




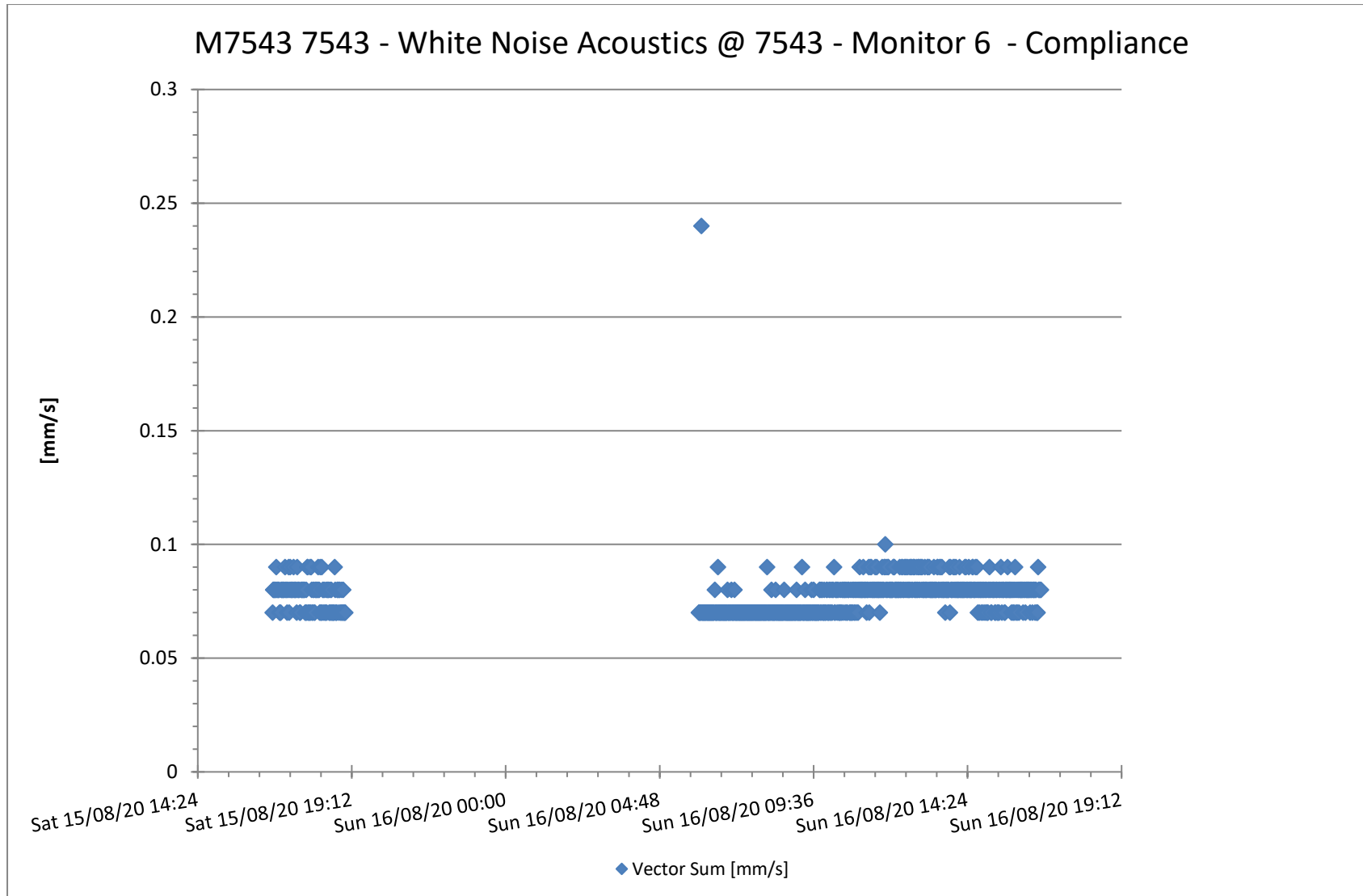
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



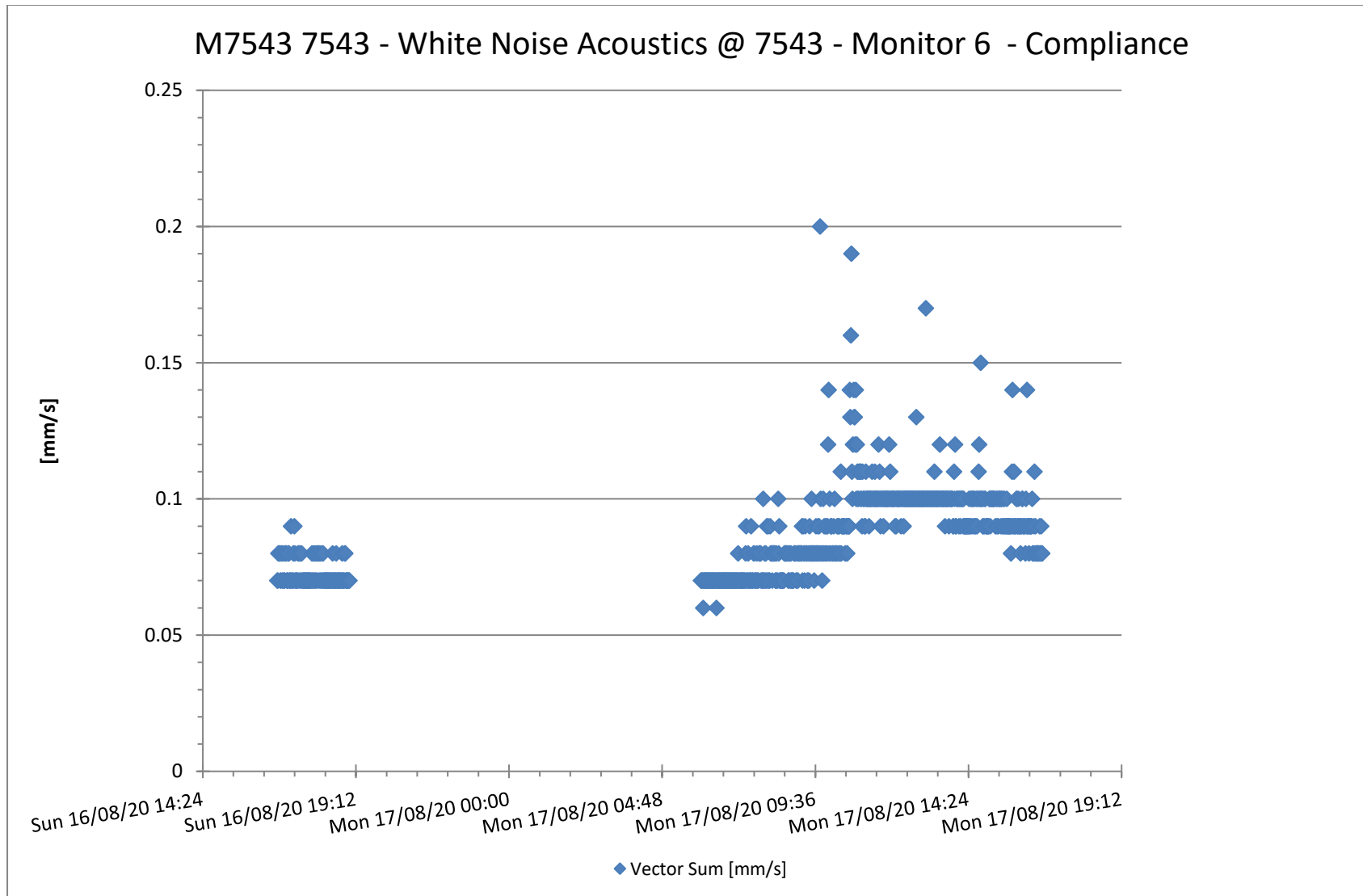
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



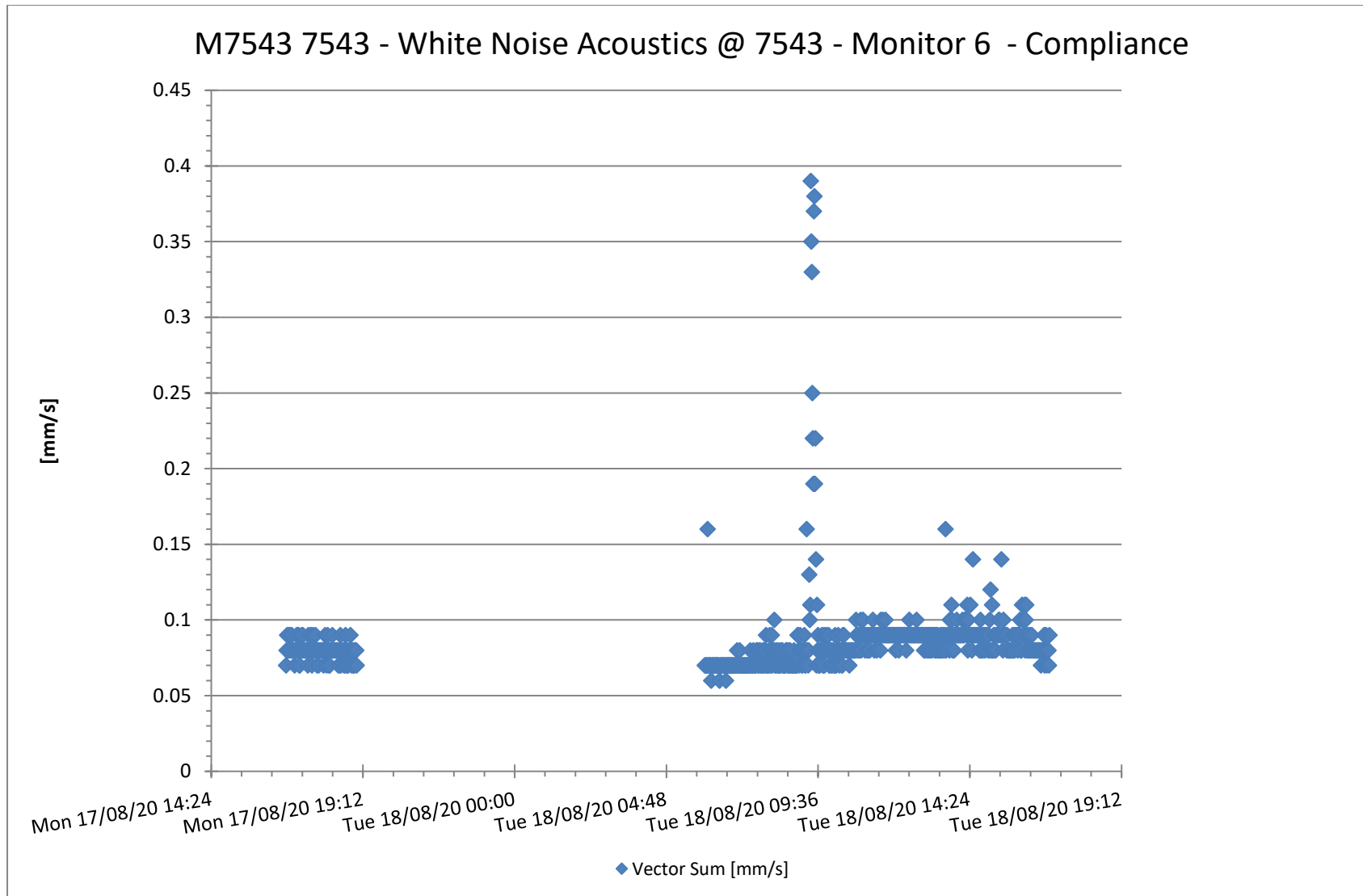
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



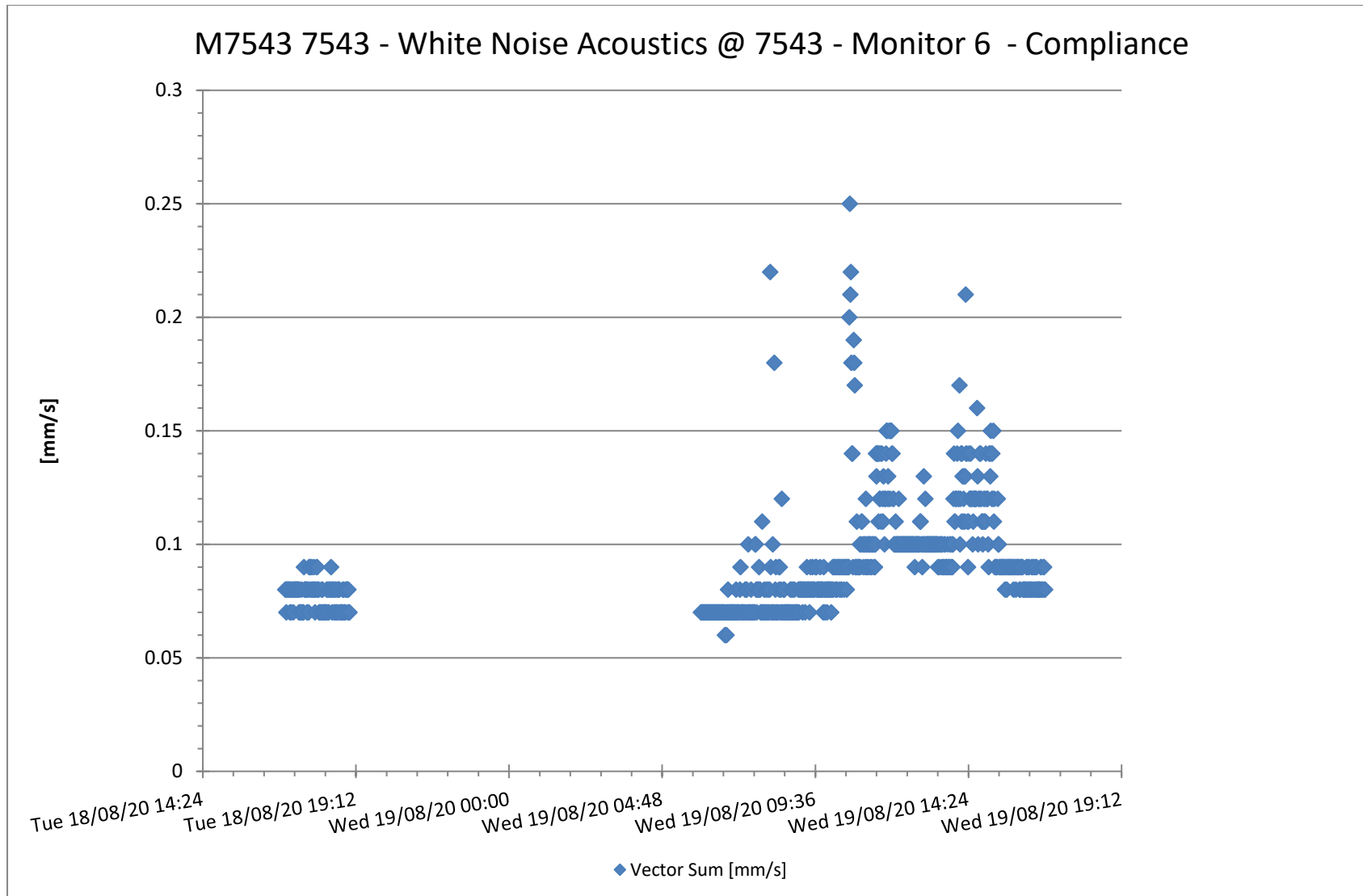
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



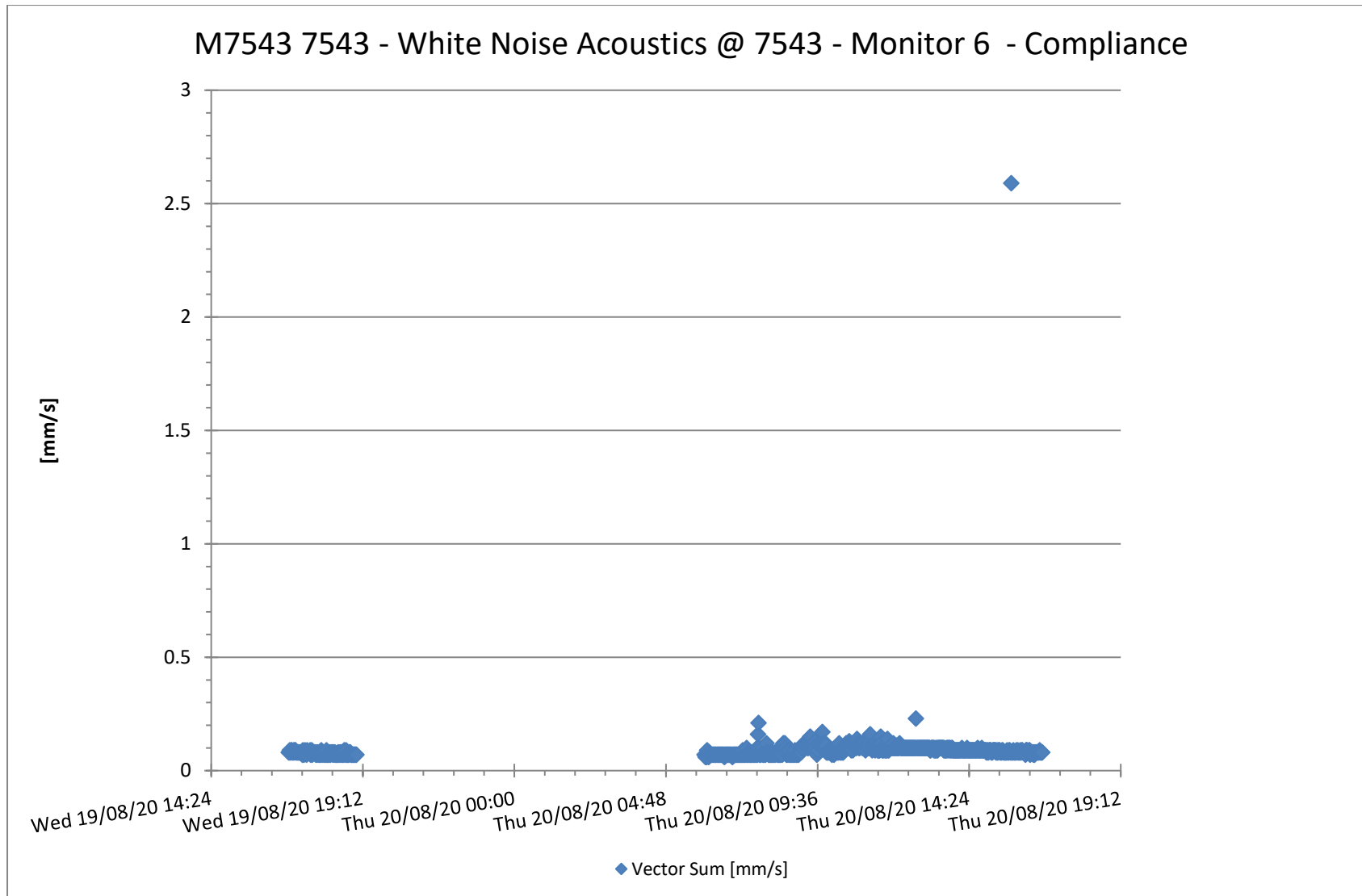
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



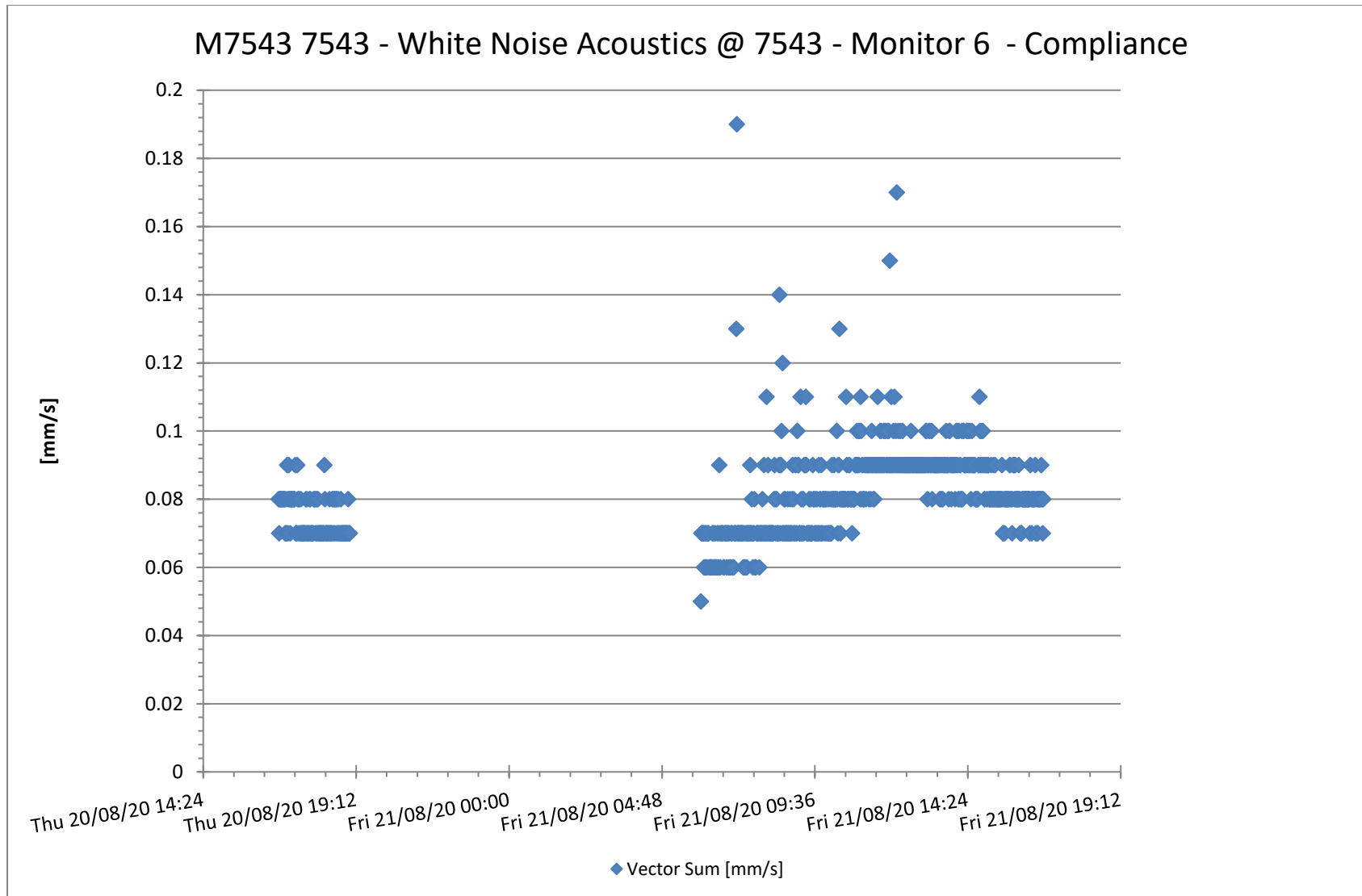
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



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

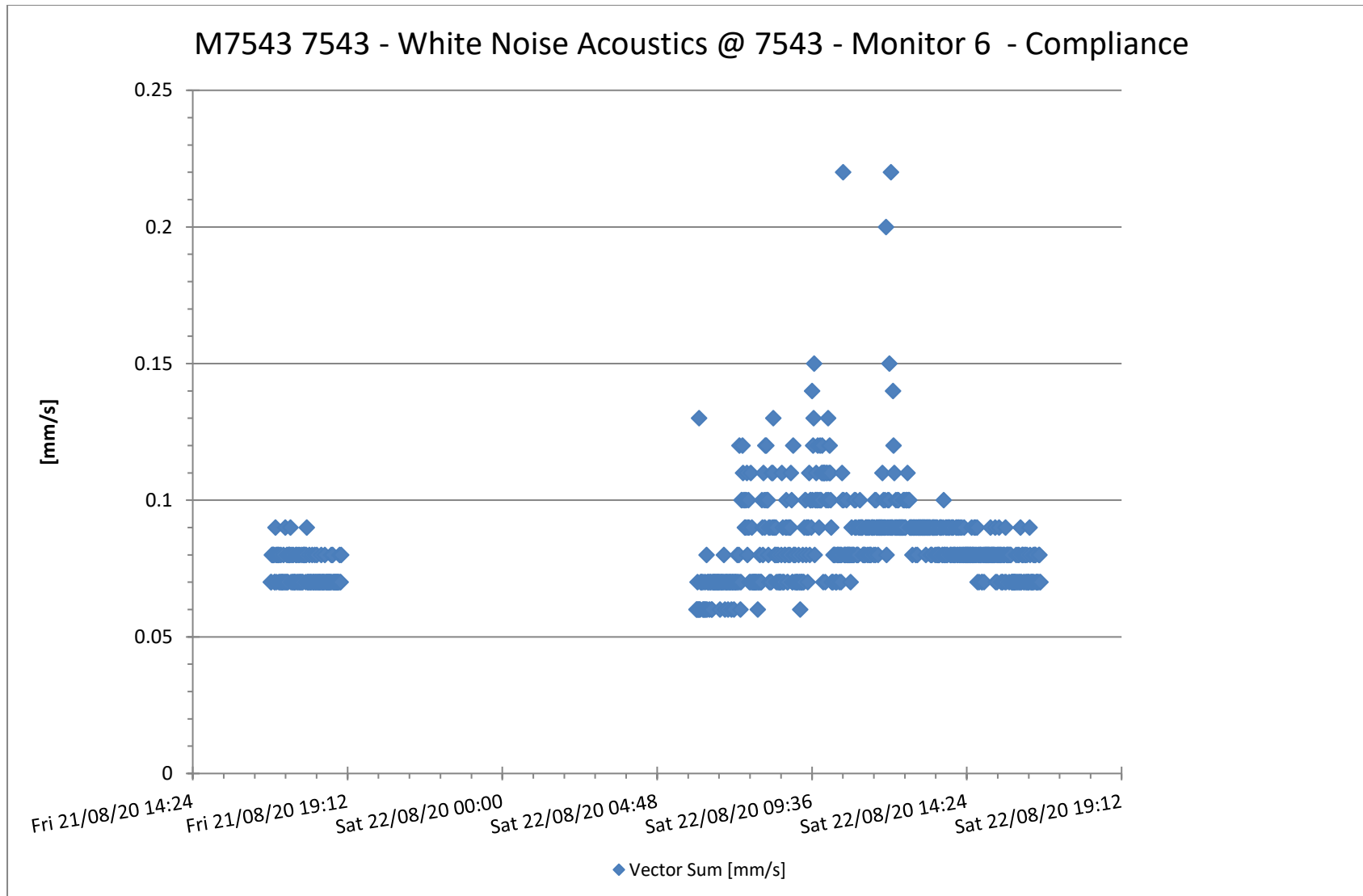


### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance

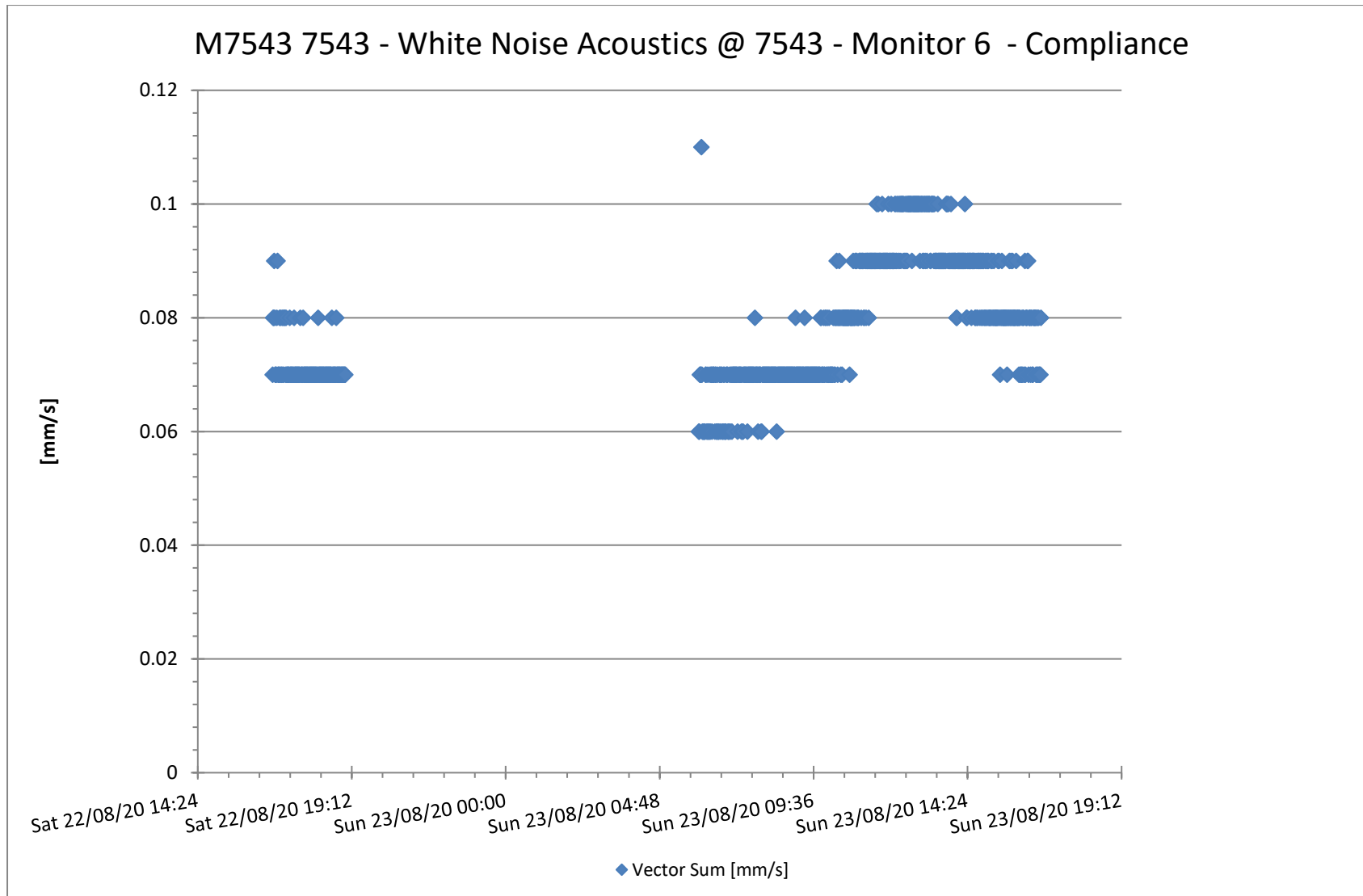




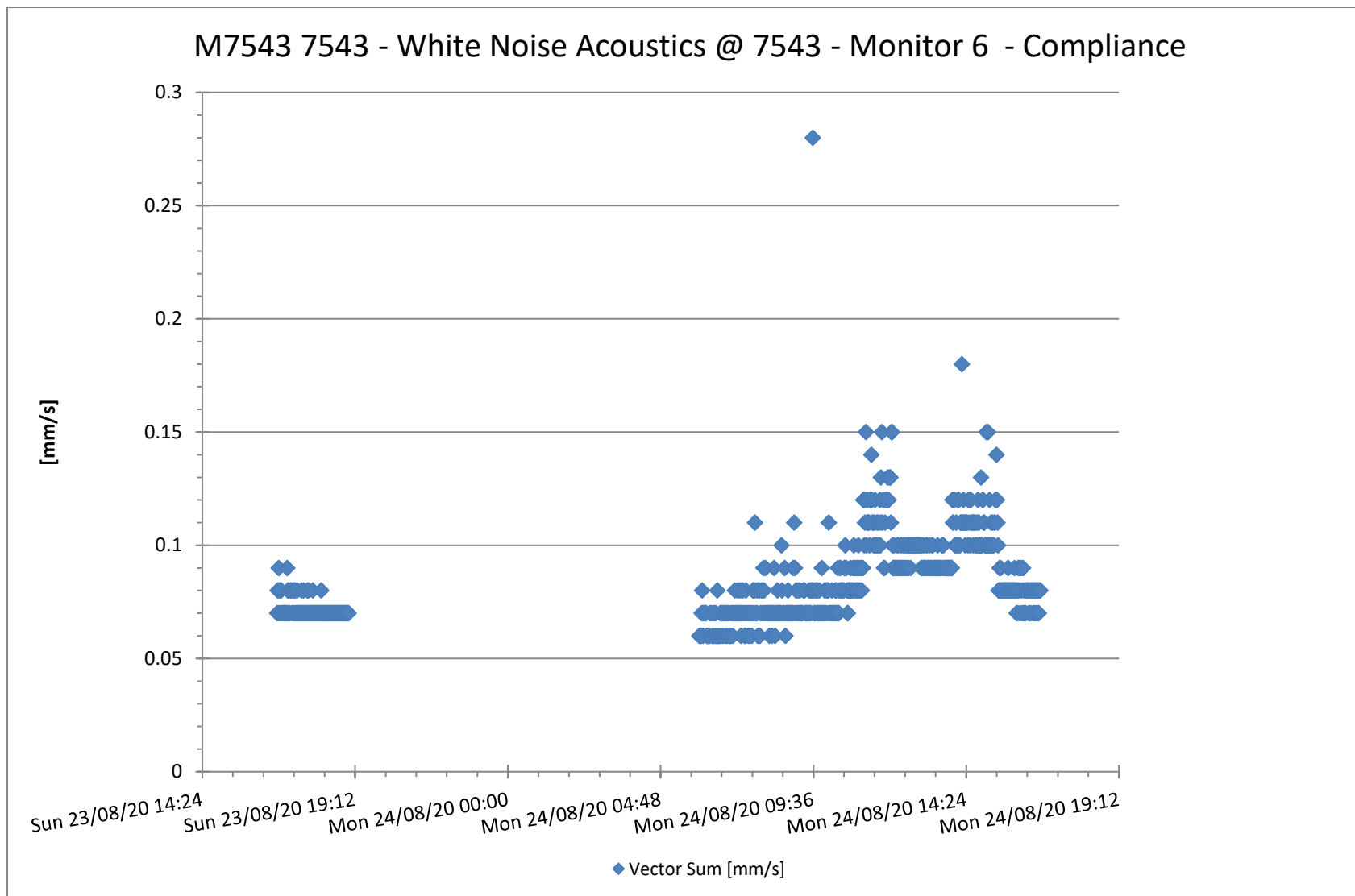
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



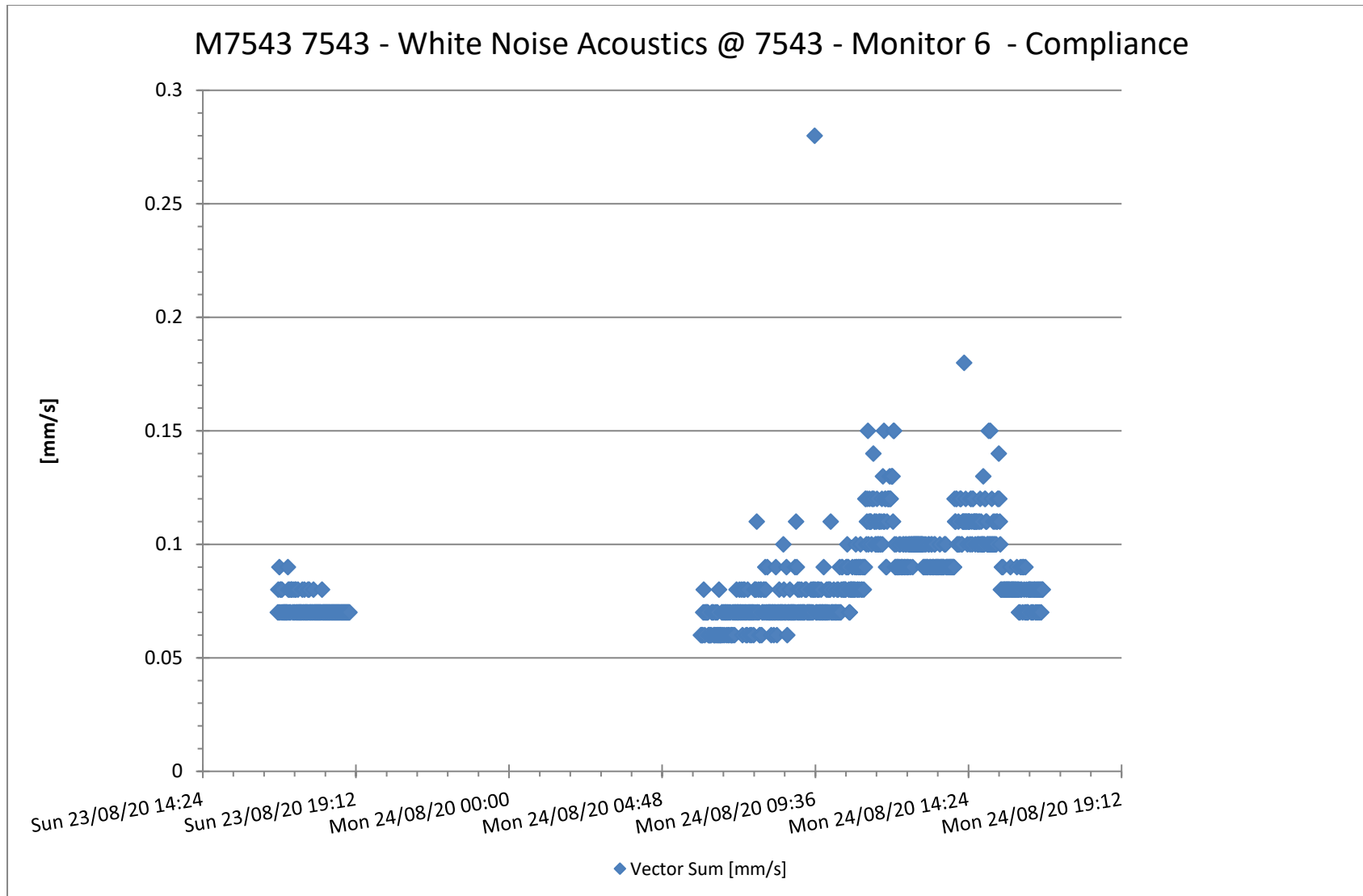
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



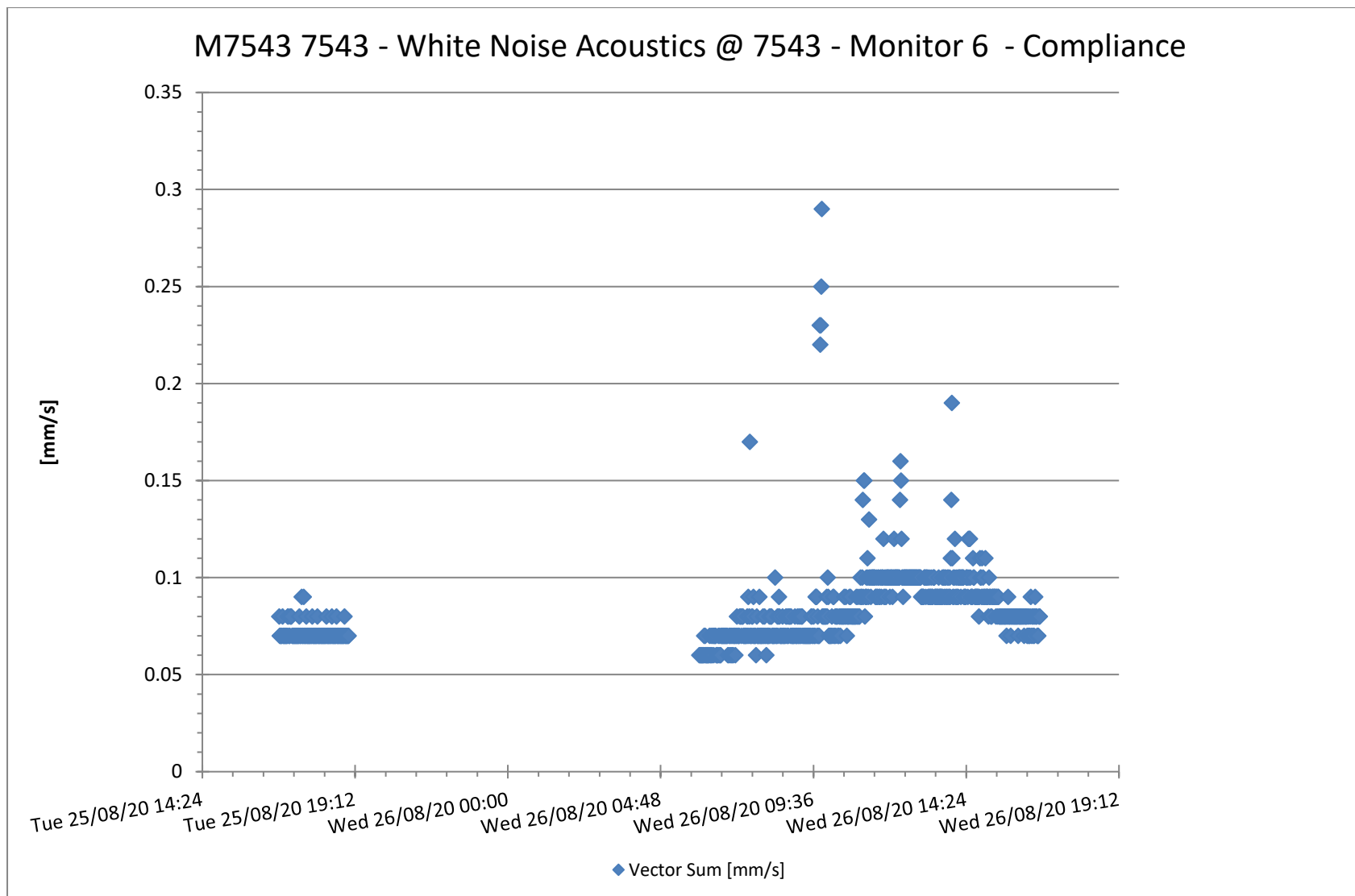
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



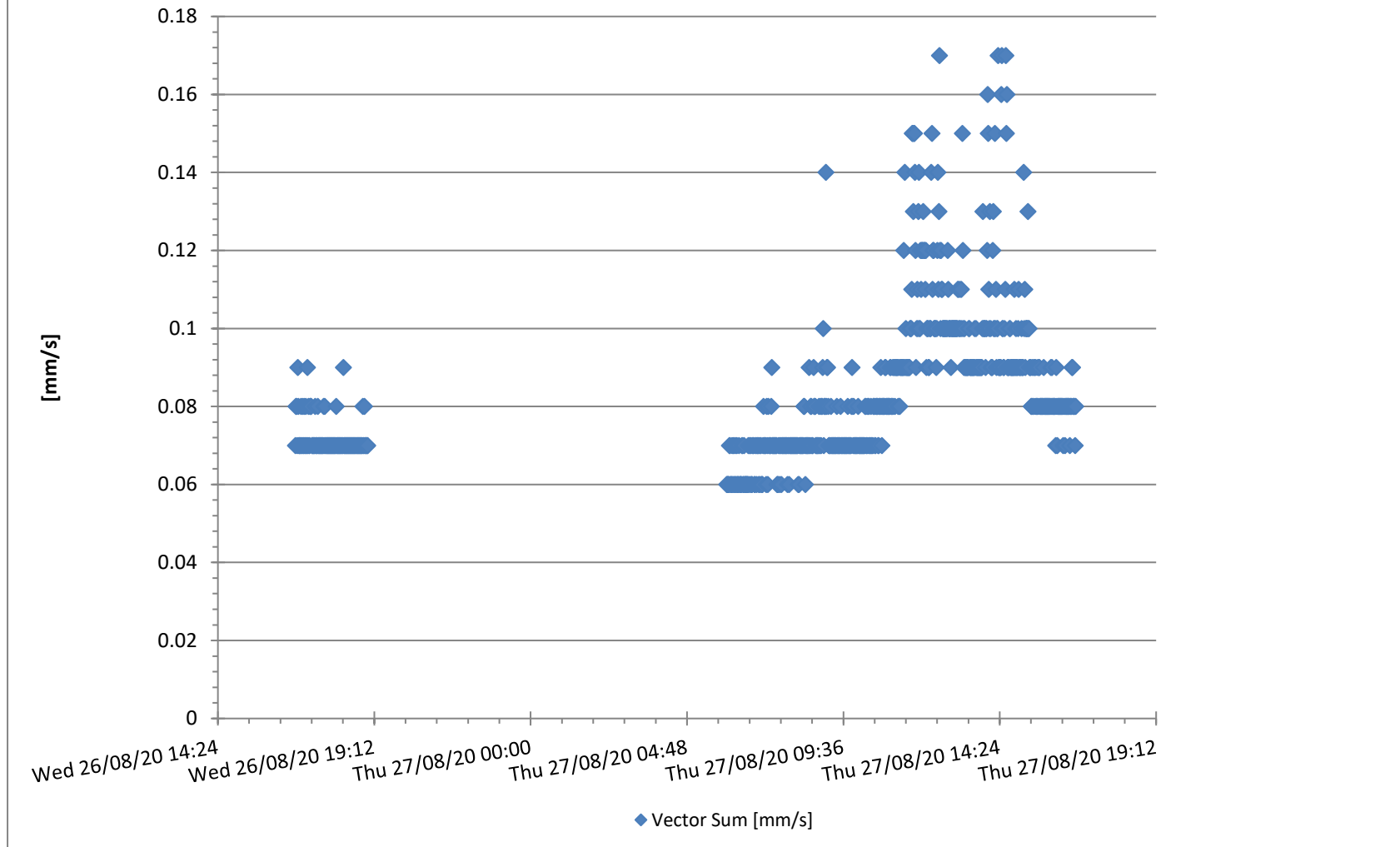
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



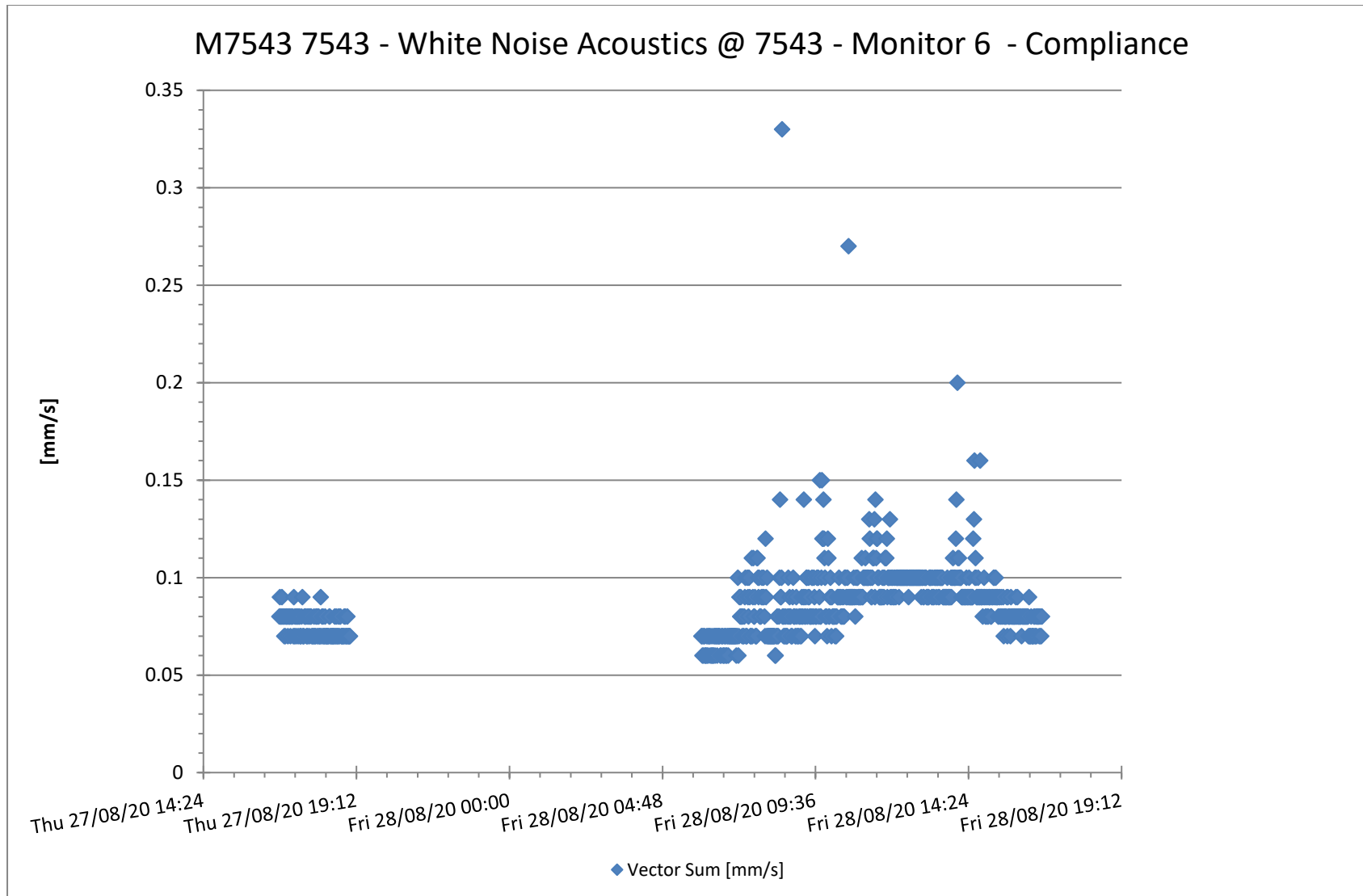
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



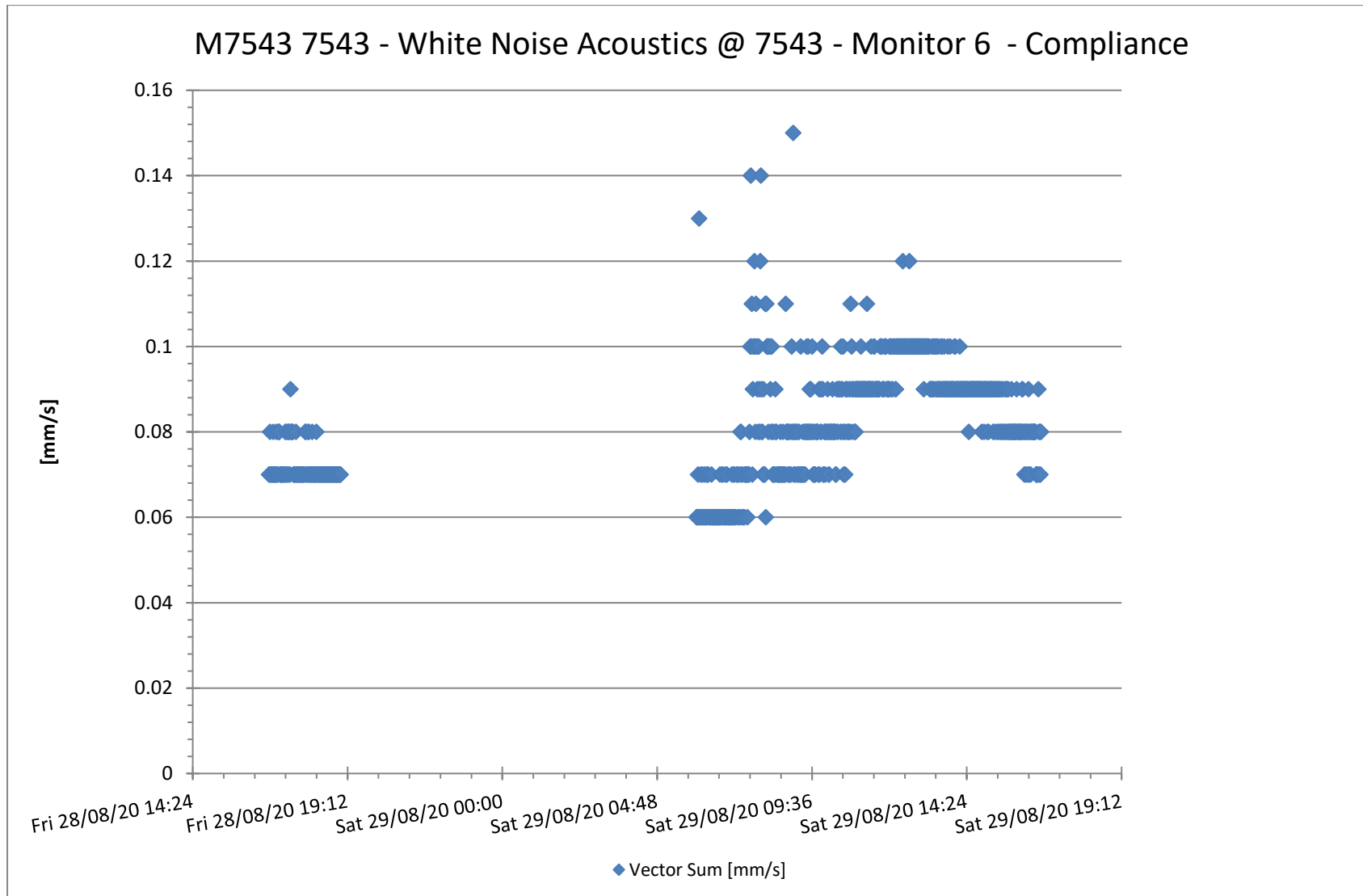
### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



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

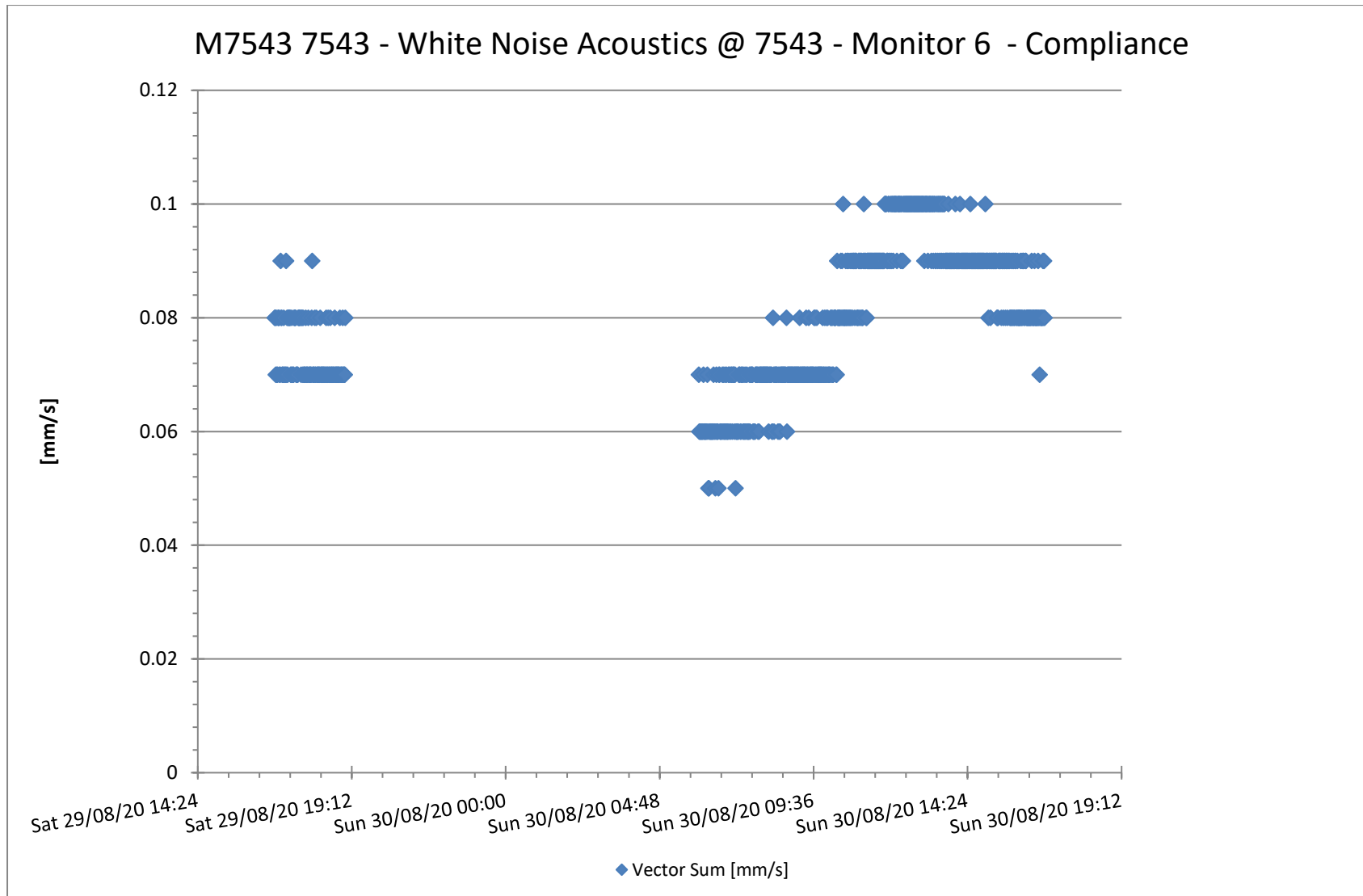


### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance



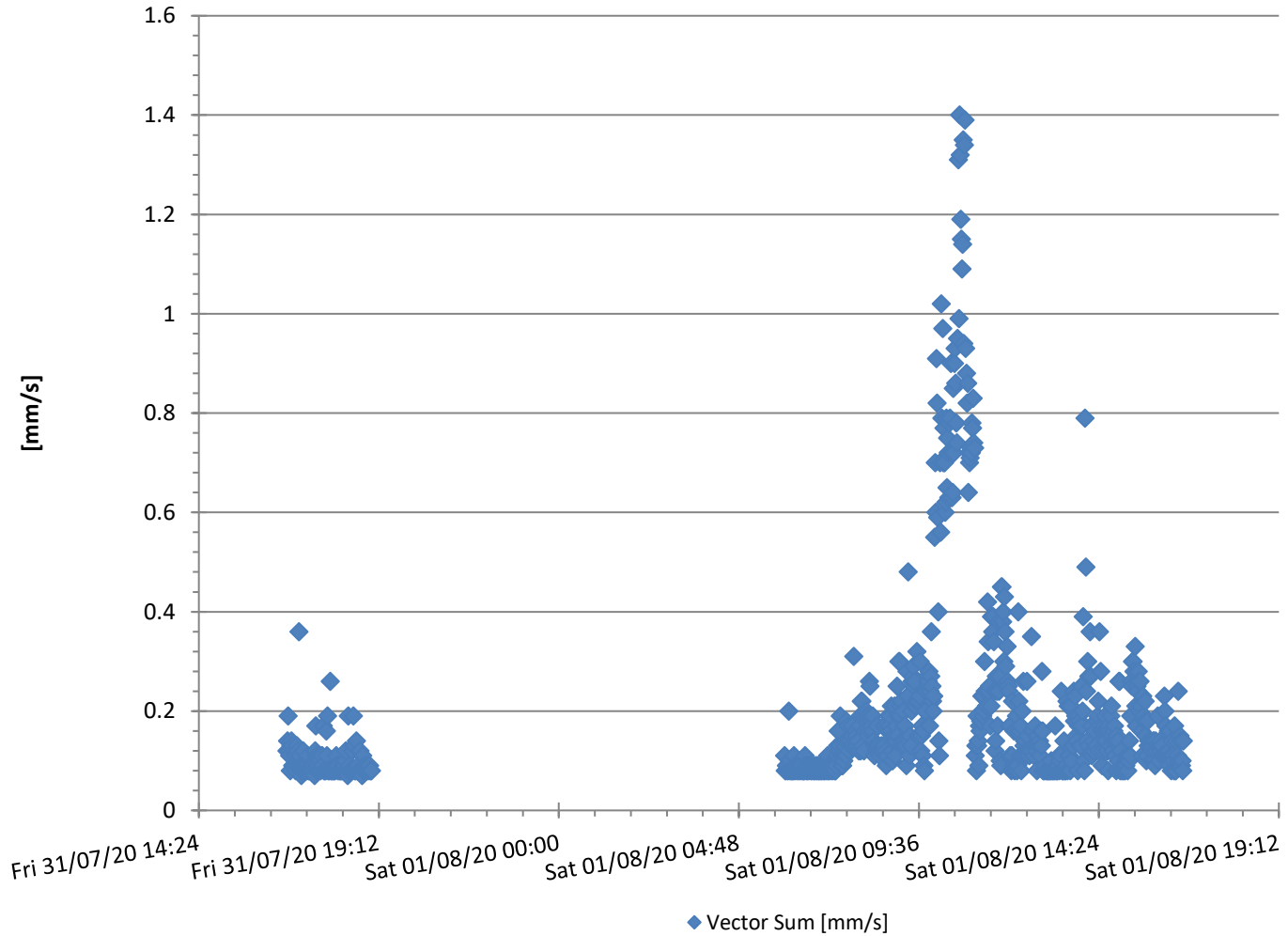


### M7543 7543 - White Noise Acoustics @ 7543 - Monitor 6 - Compliance

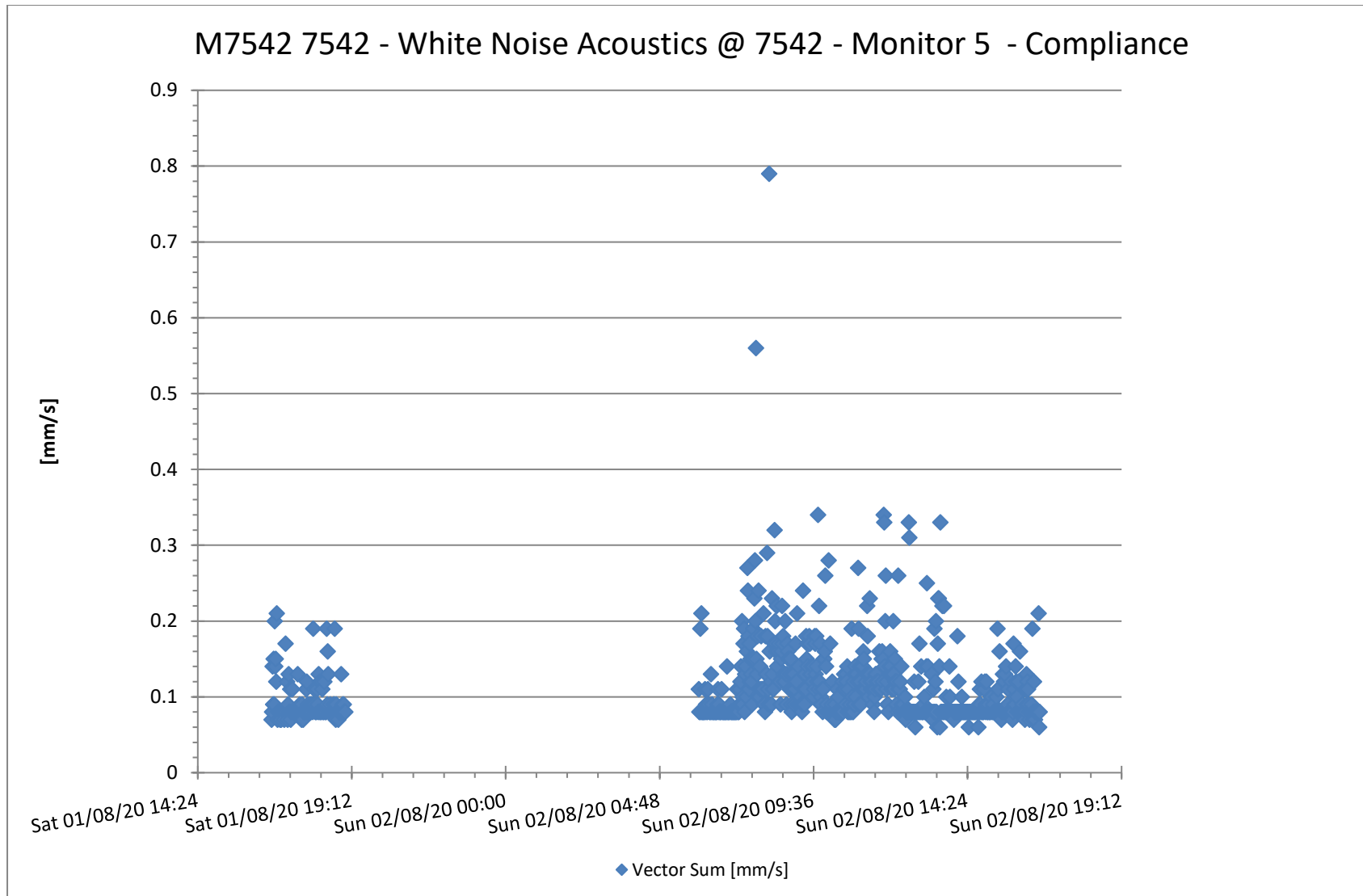


## **9 Appendix C –Logger Location 2 – Monitor M7542**

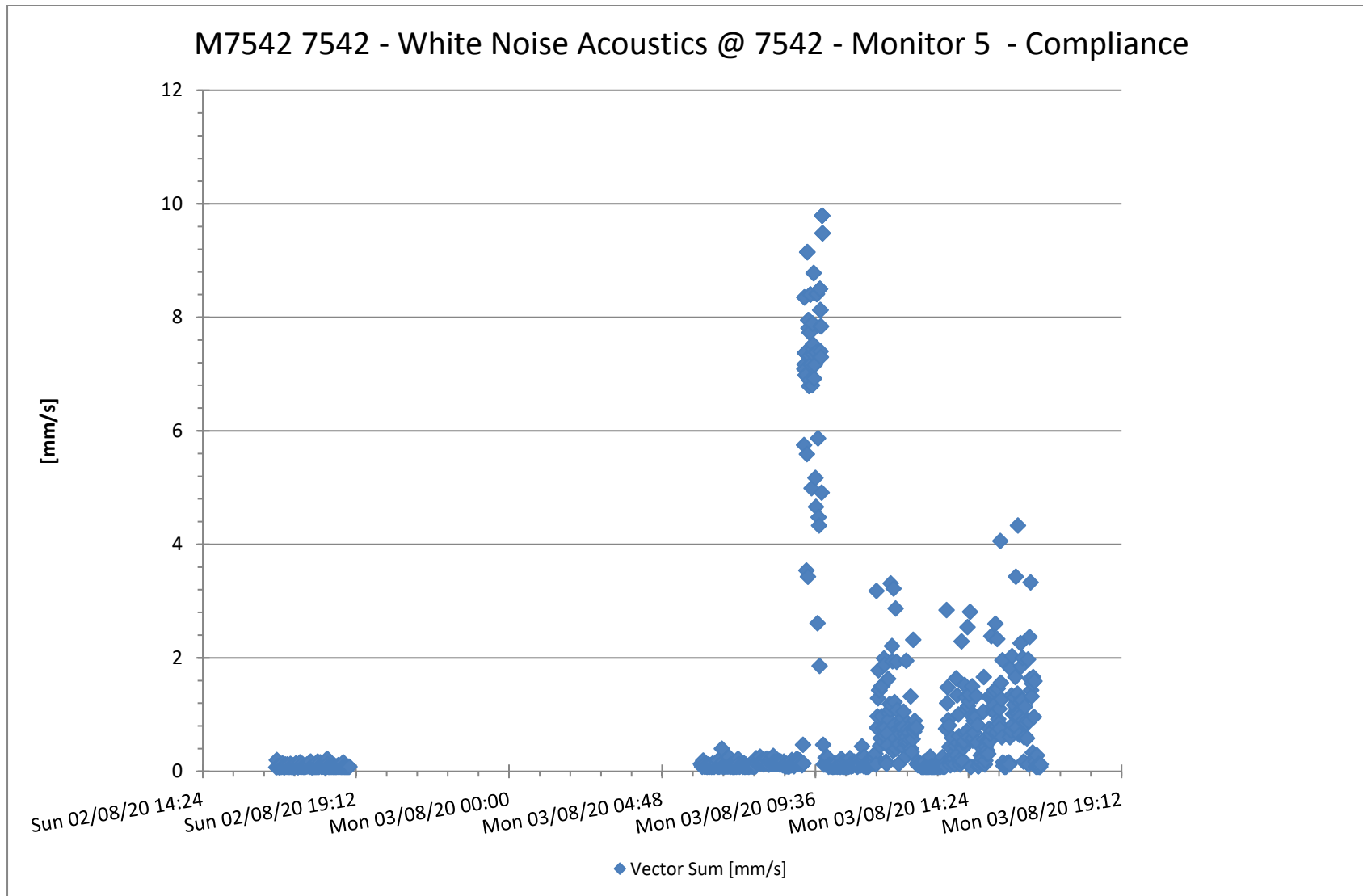
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



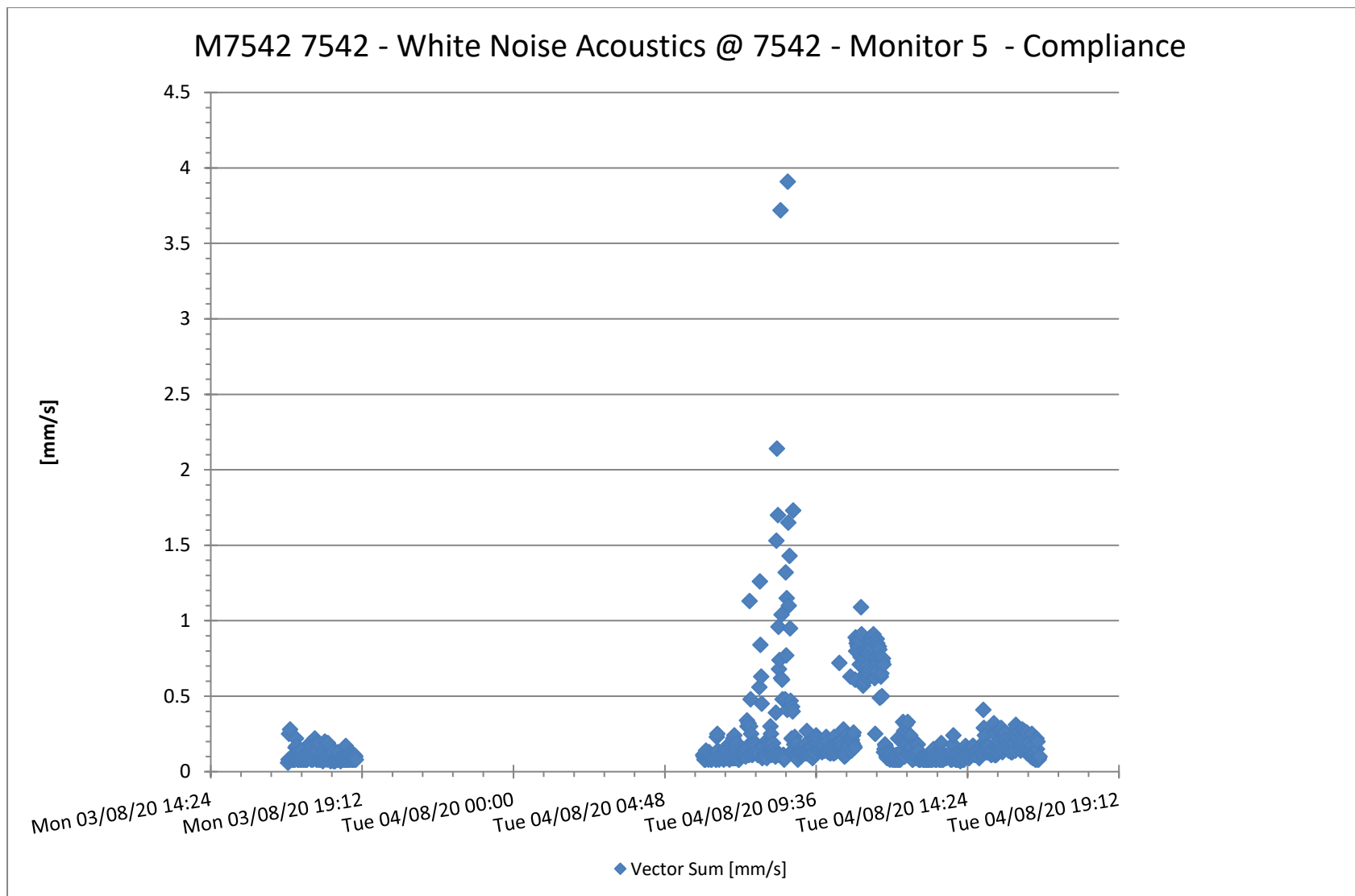
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



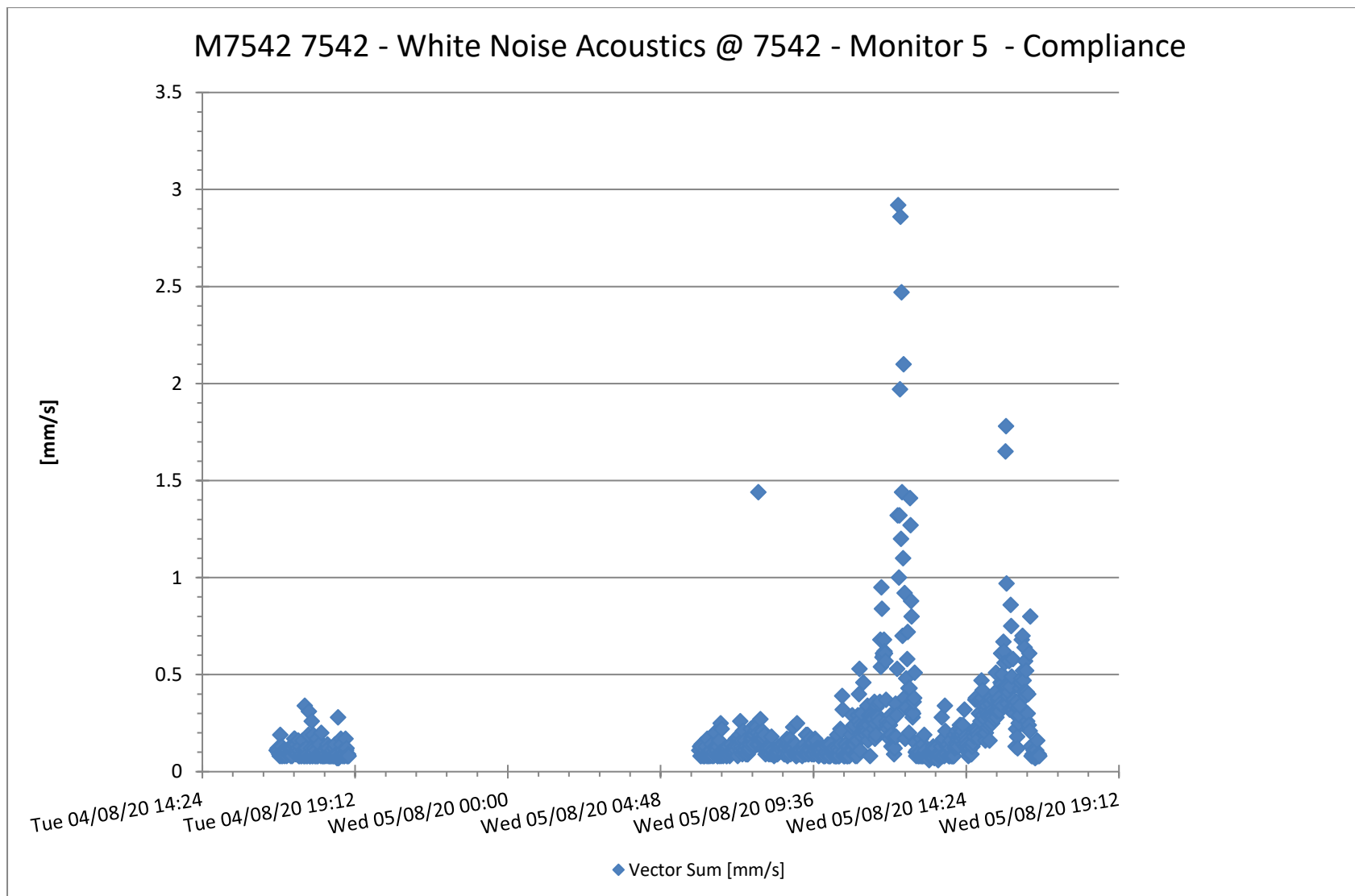
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



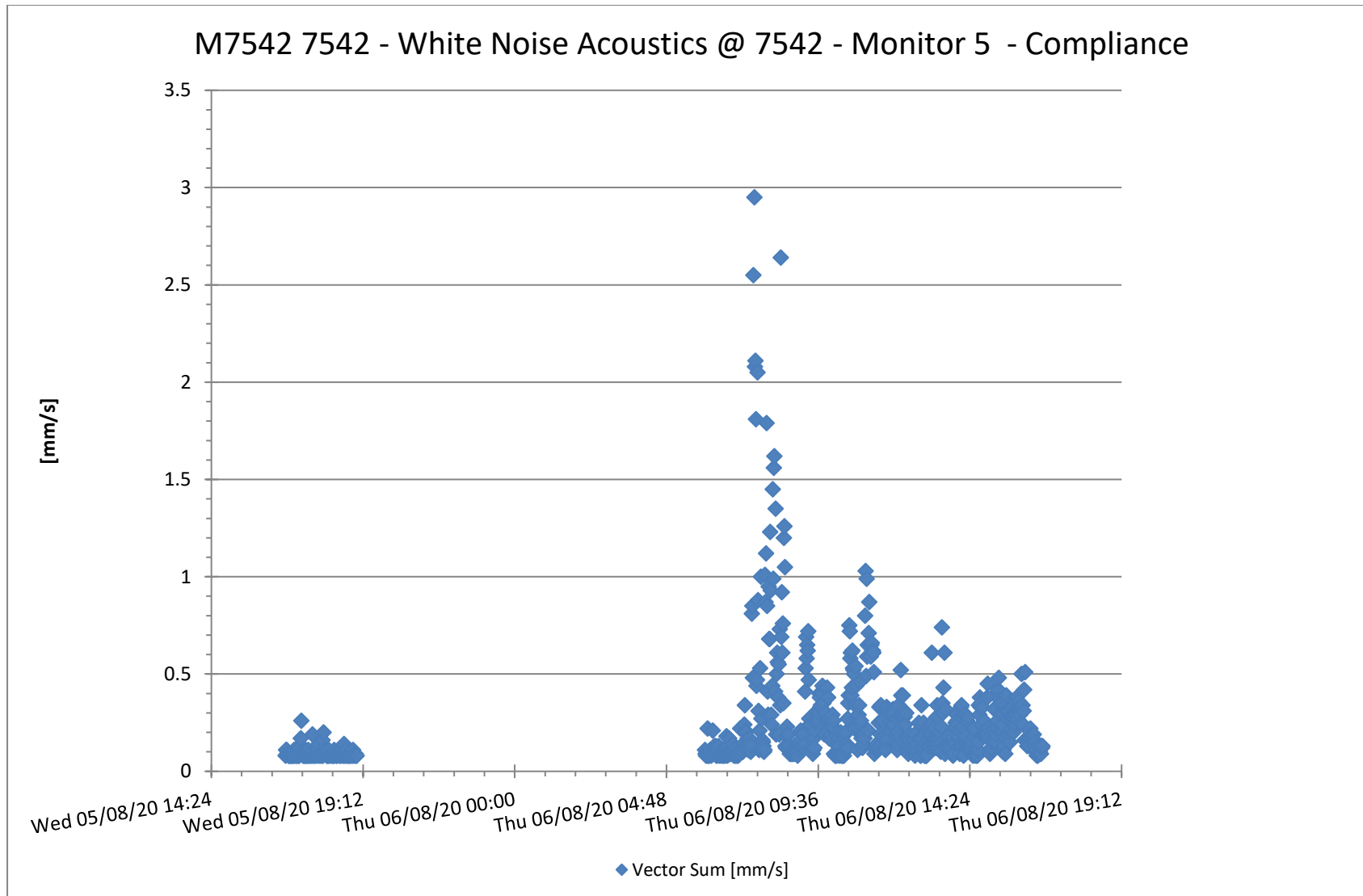
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



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

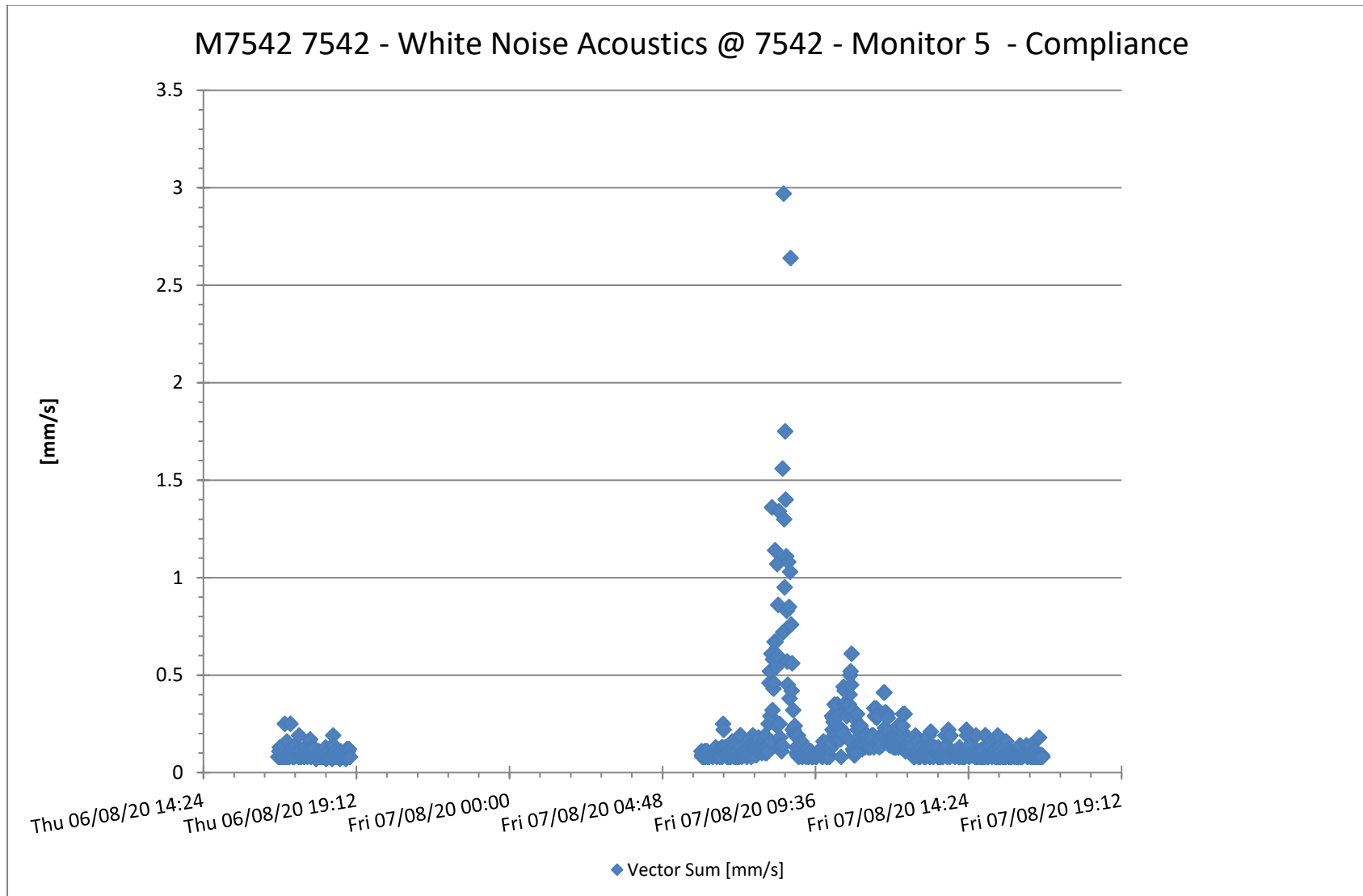


### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

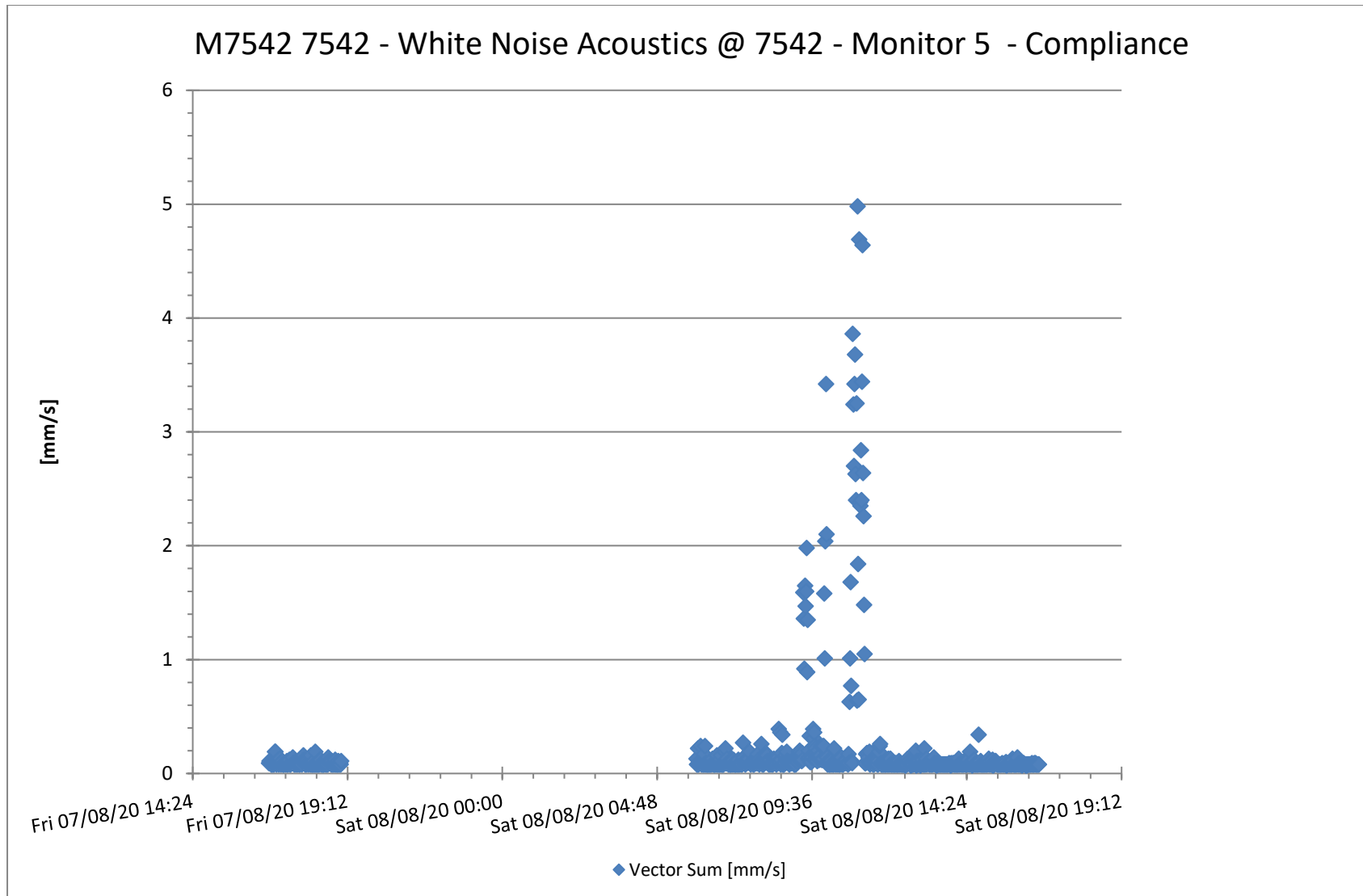




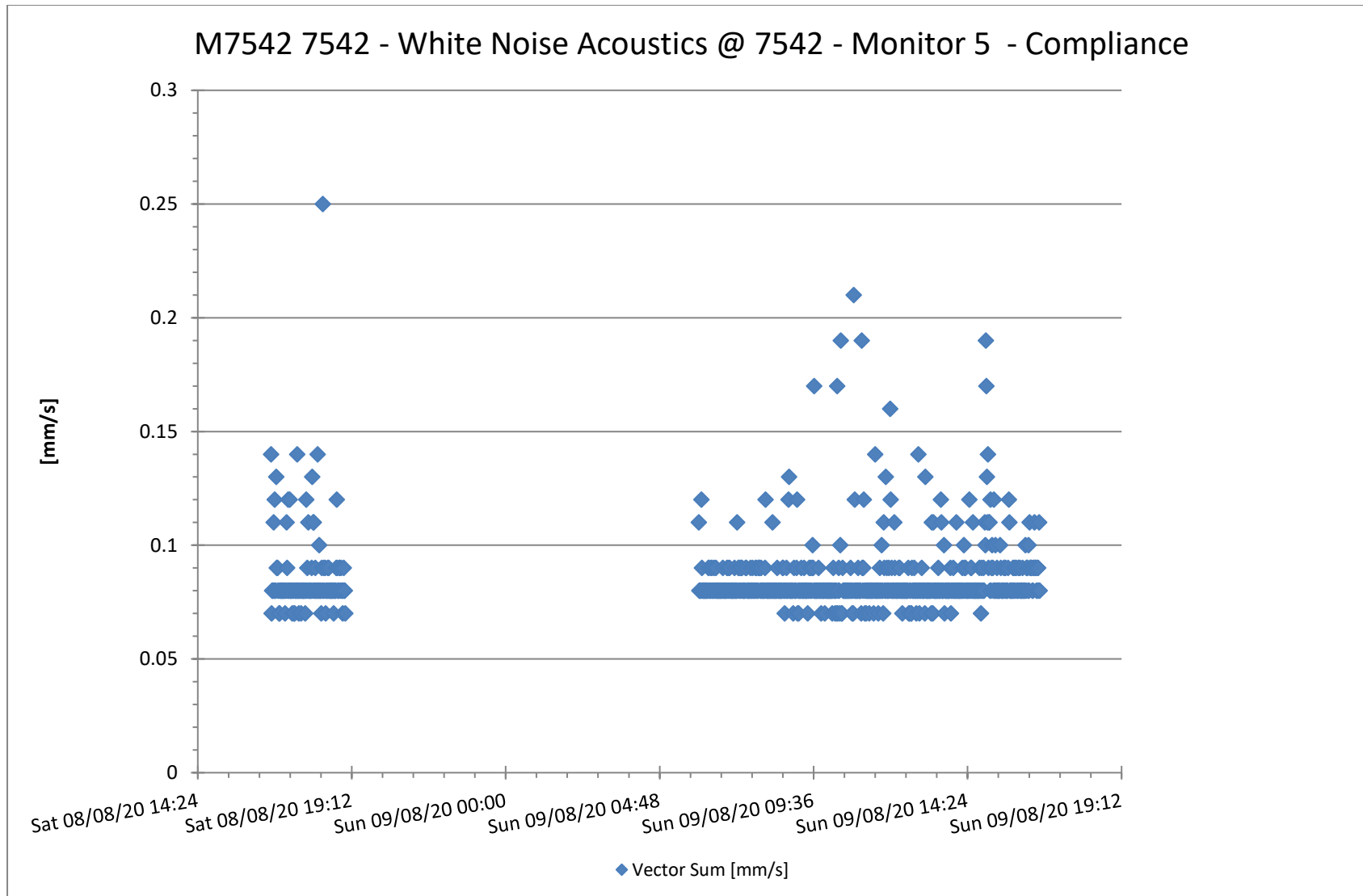
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



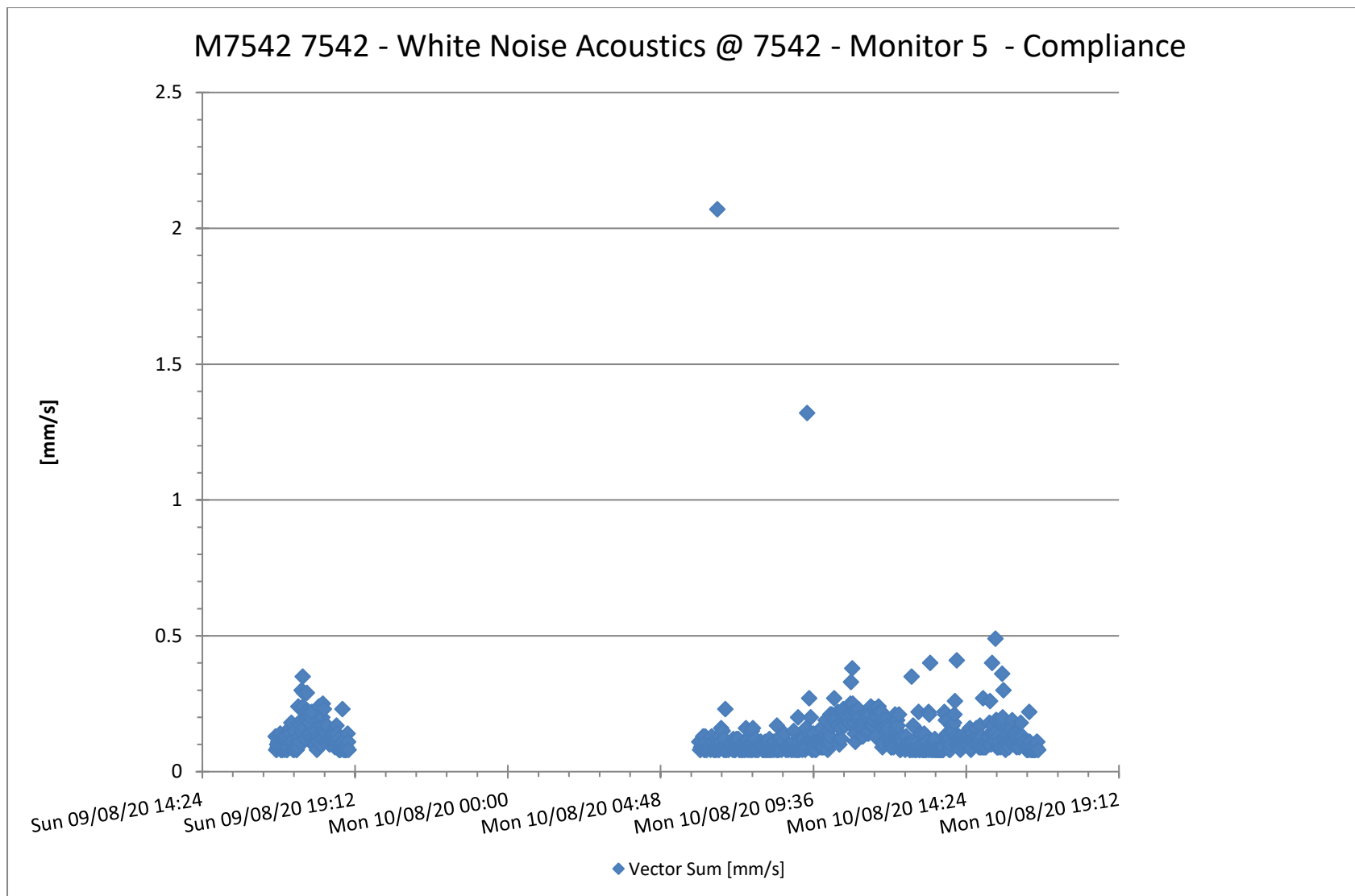
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



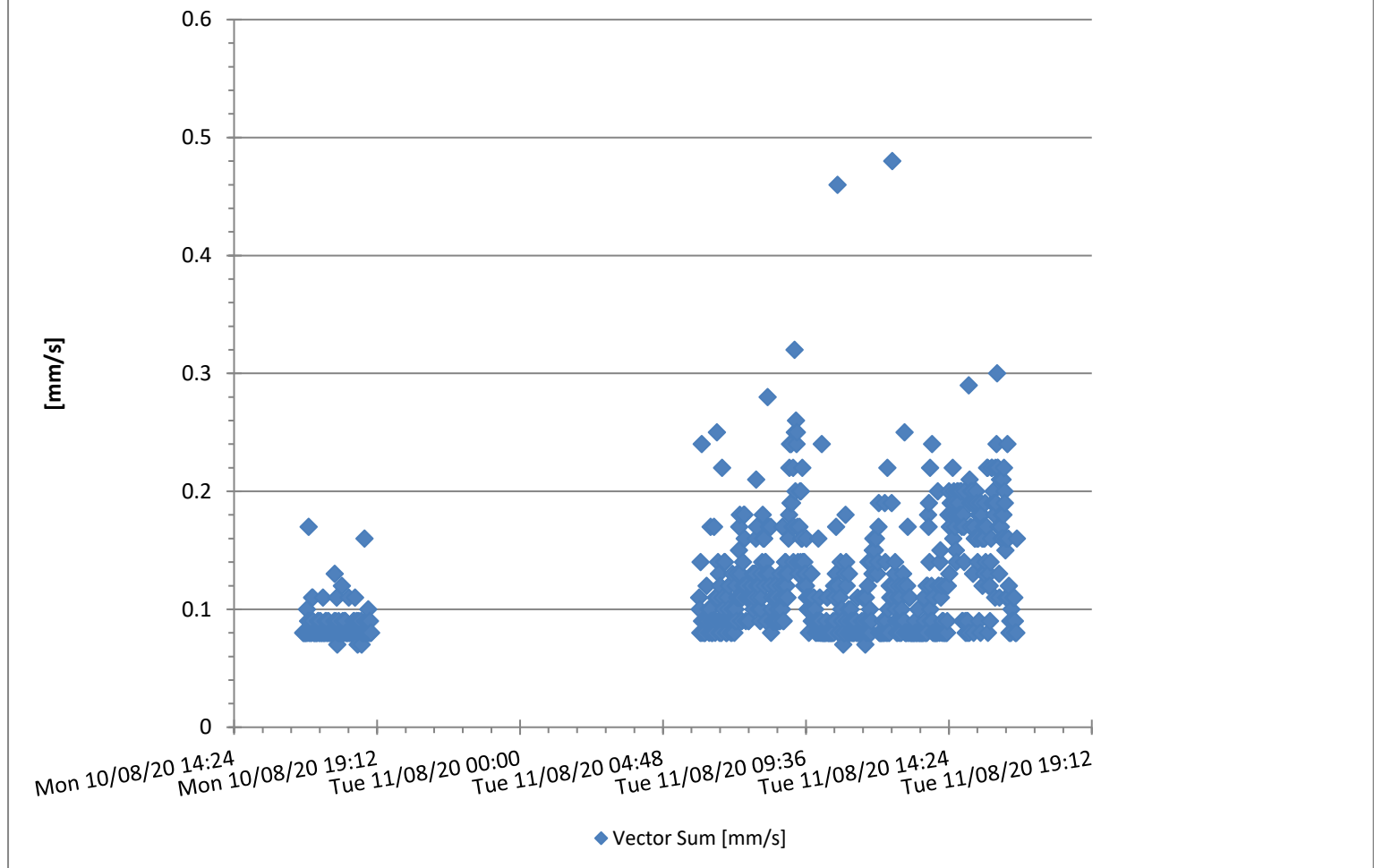
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

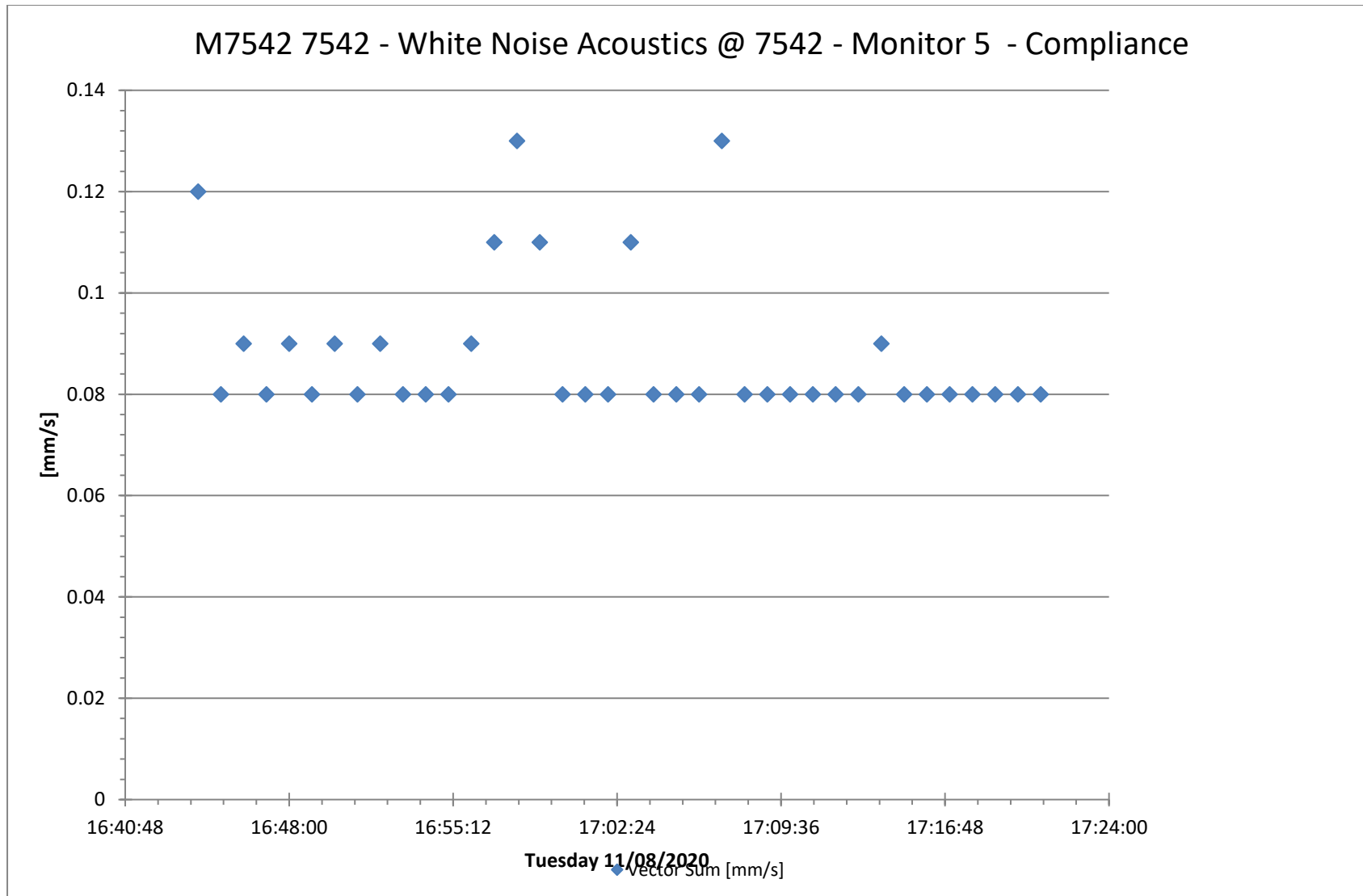


### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

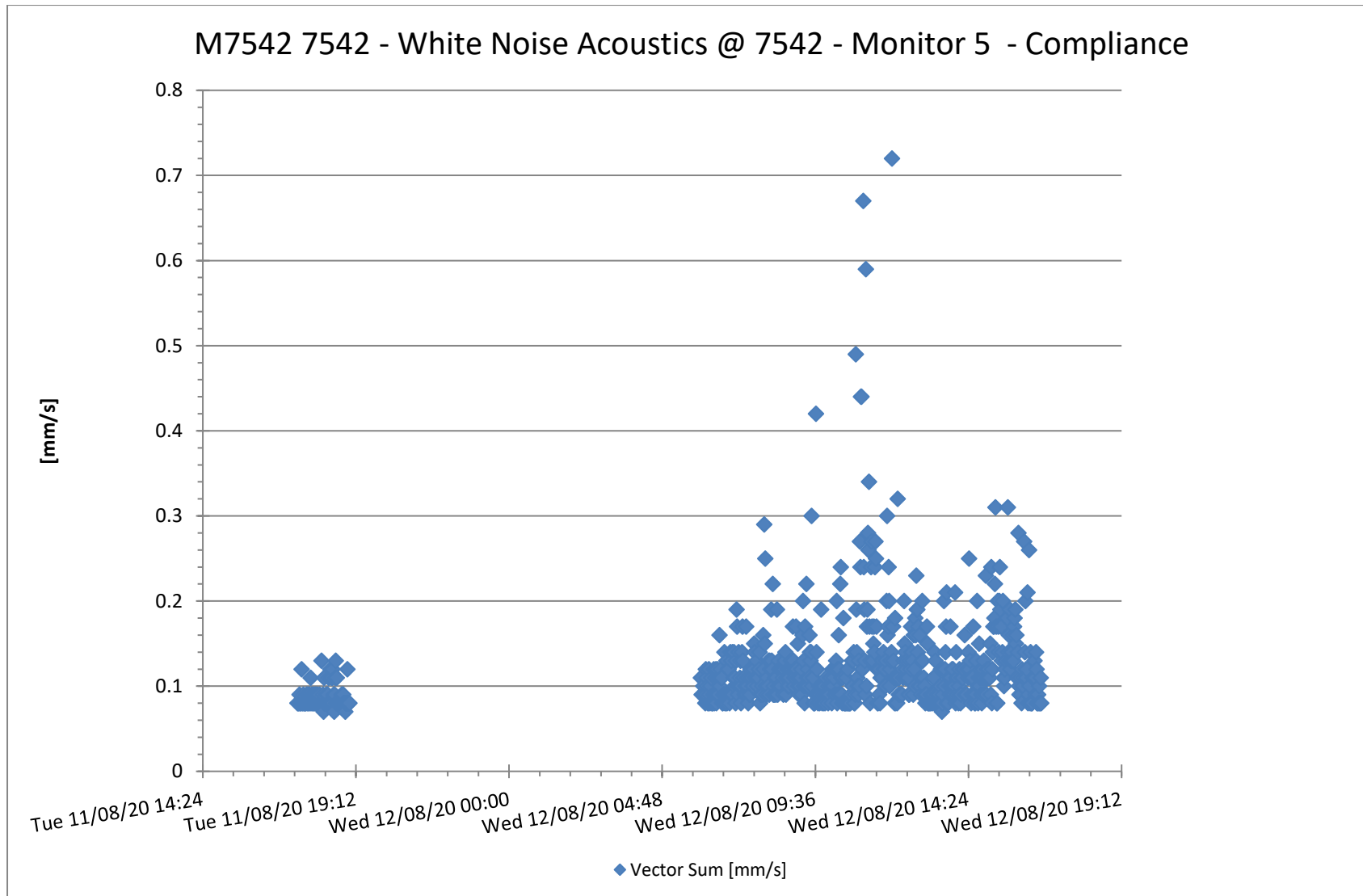


### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

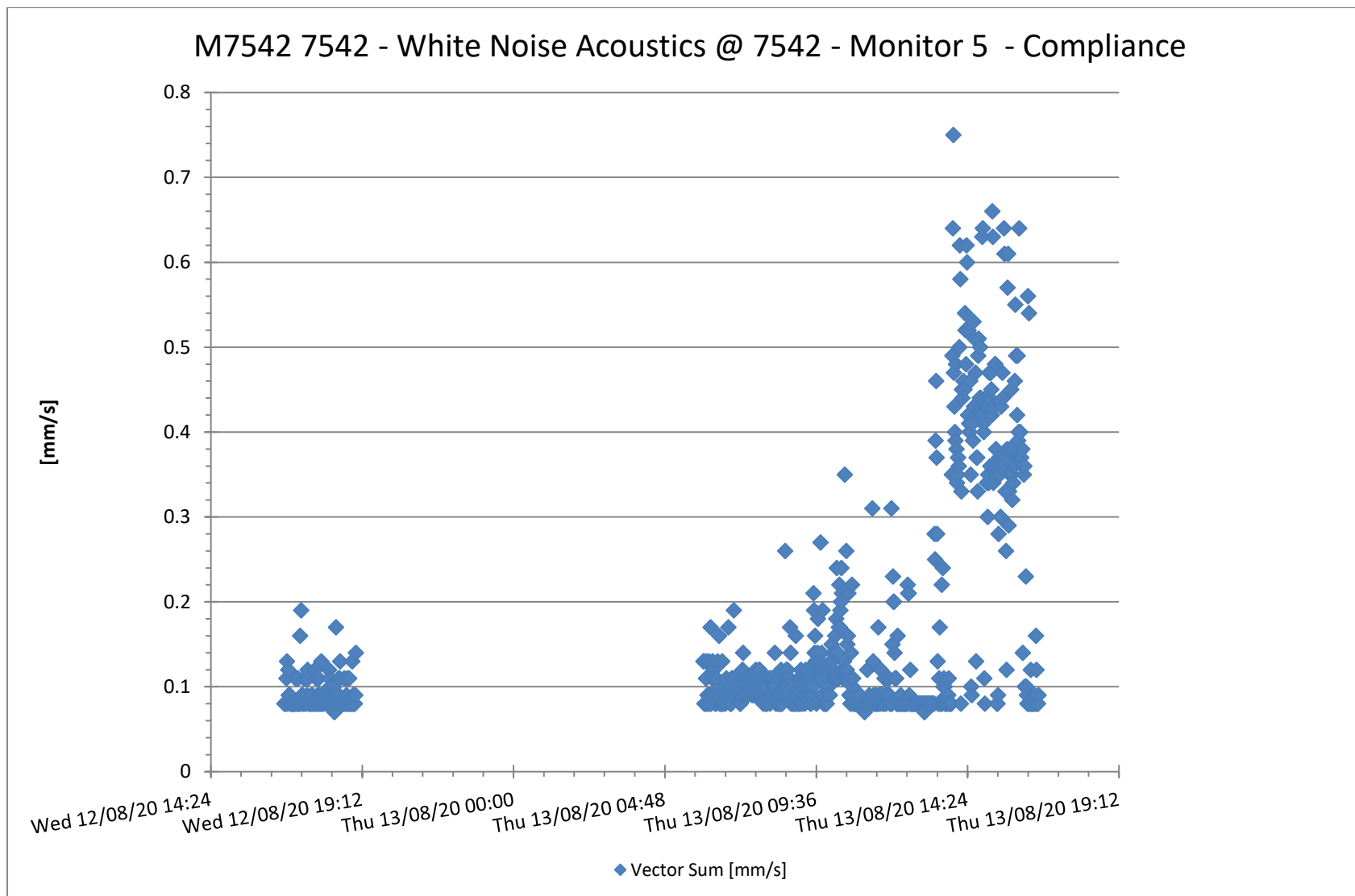




### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

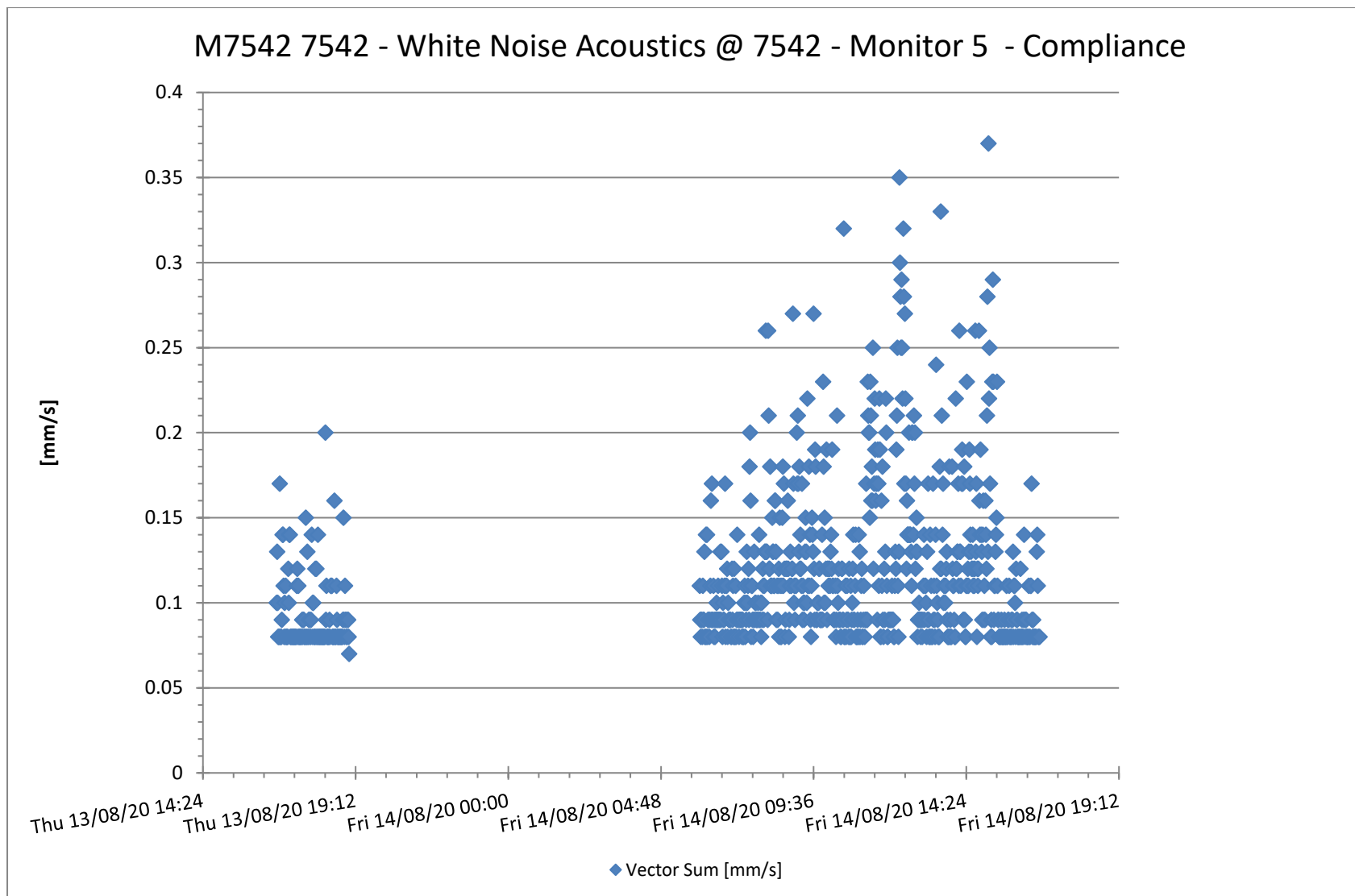


### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

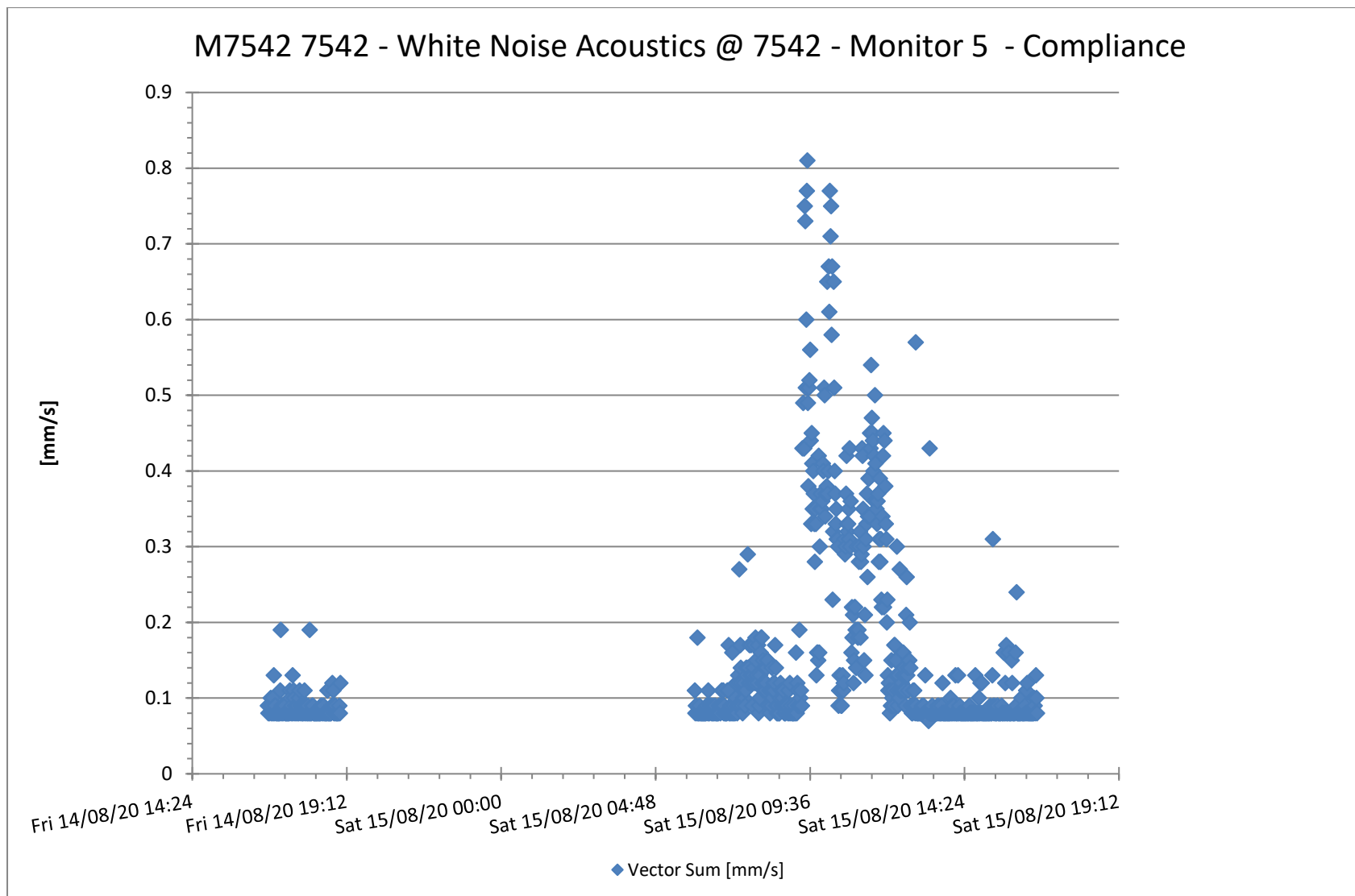




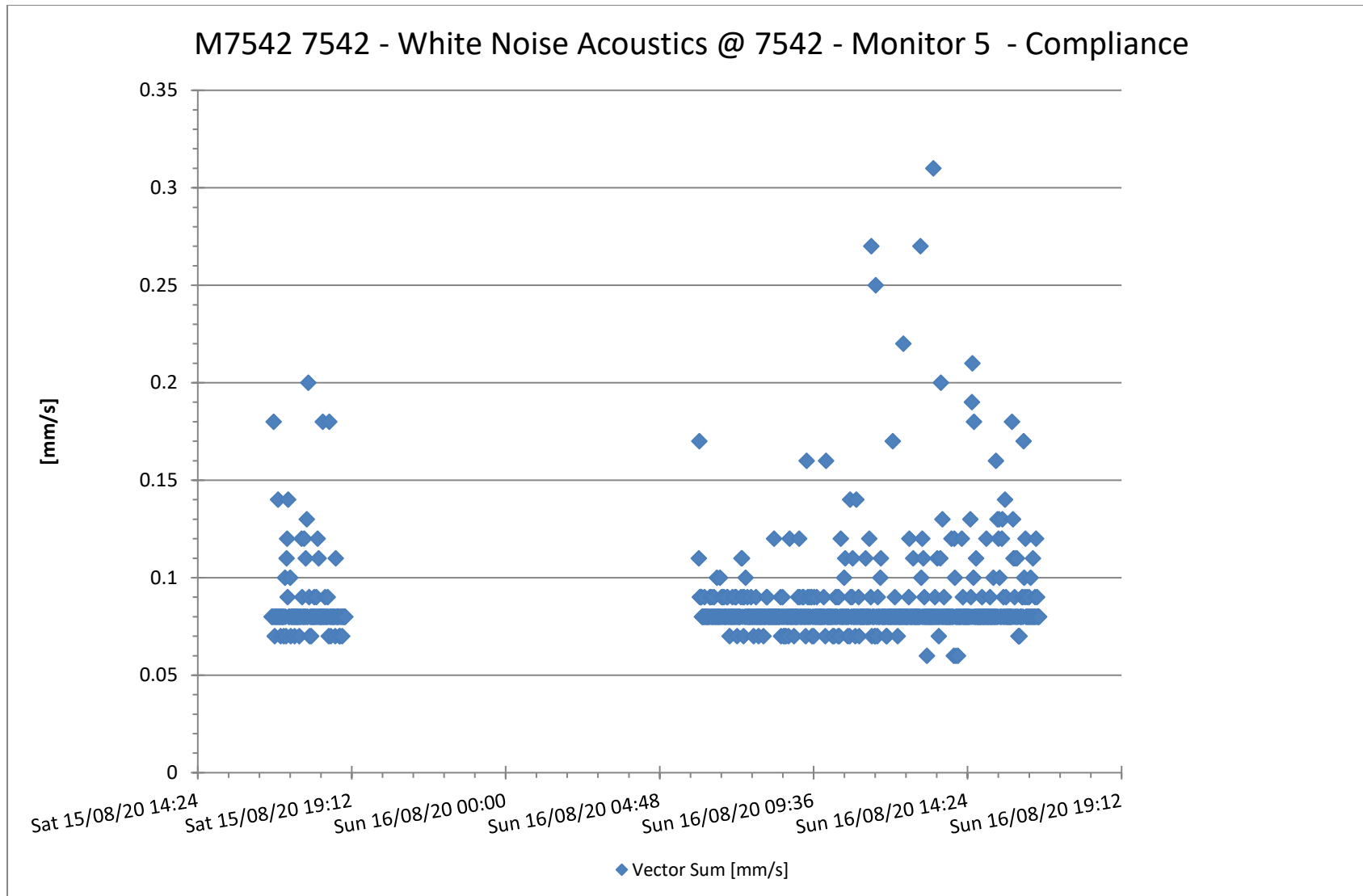
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



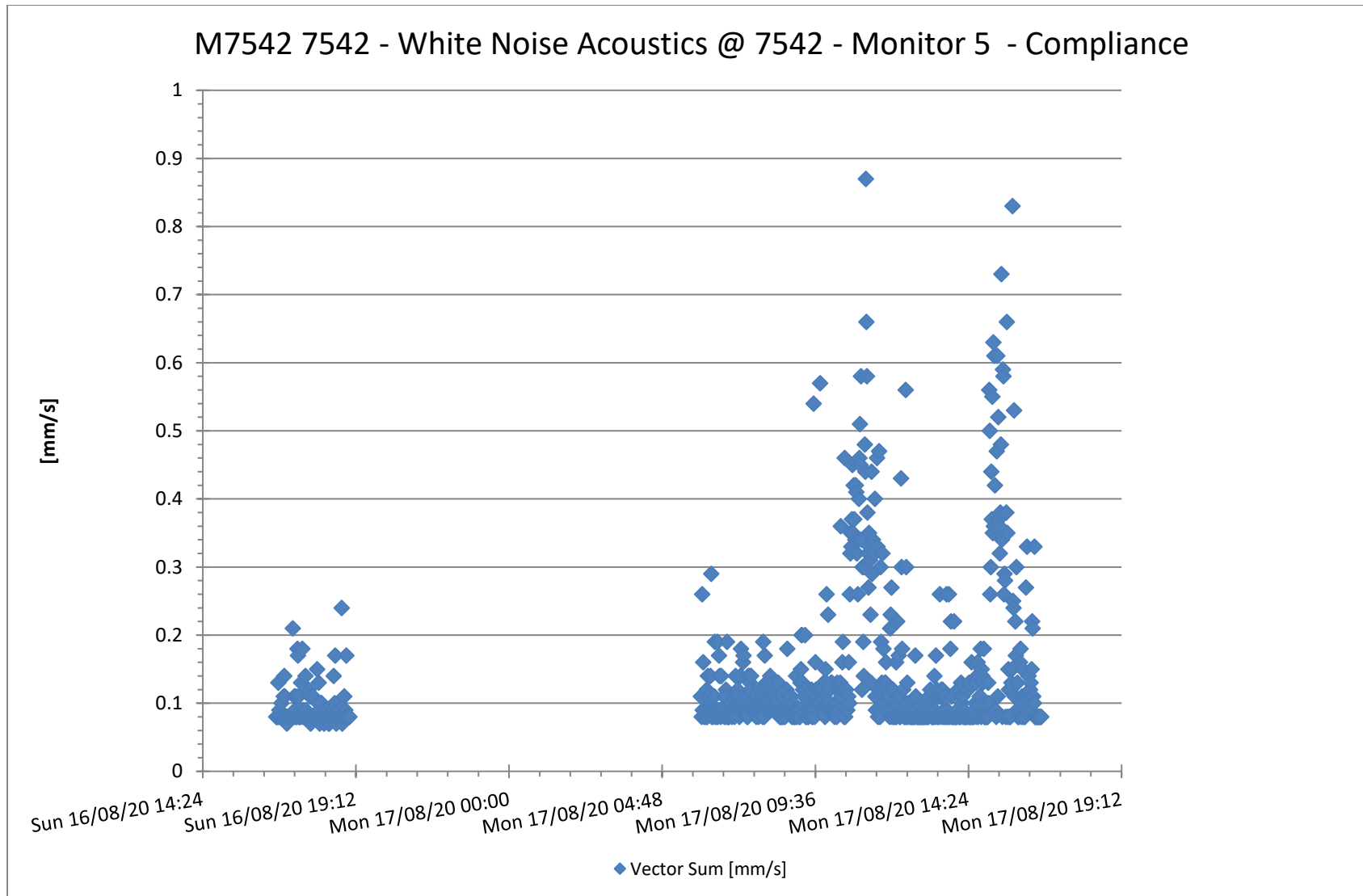
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



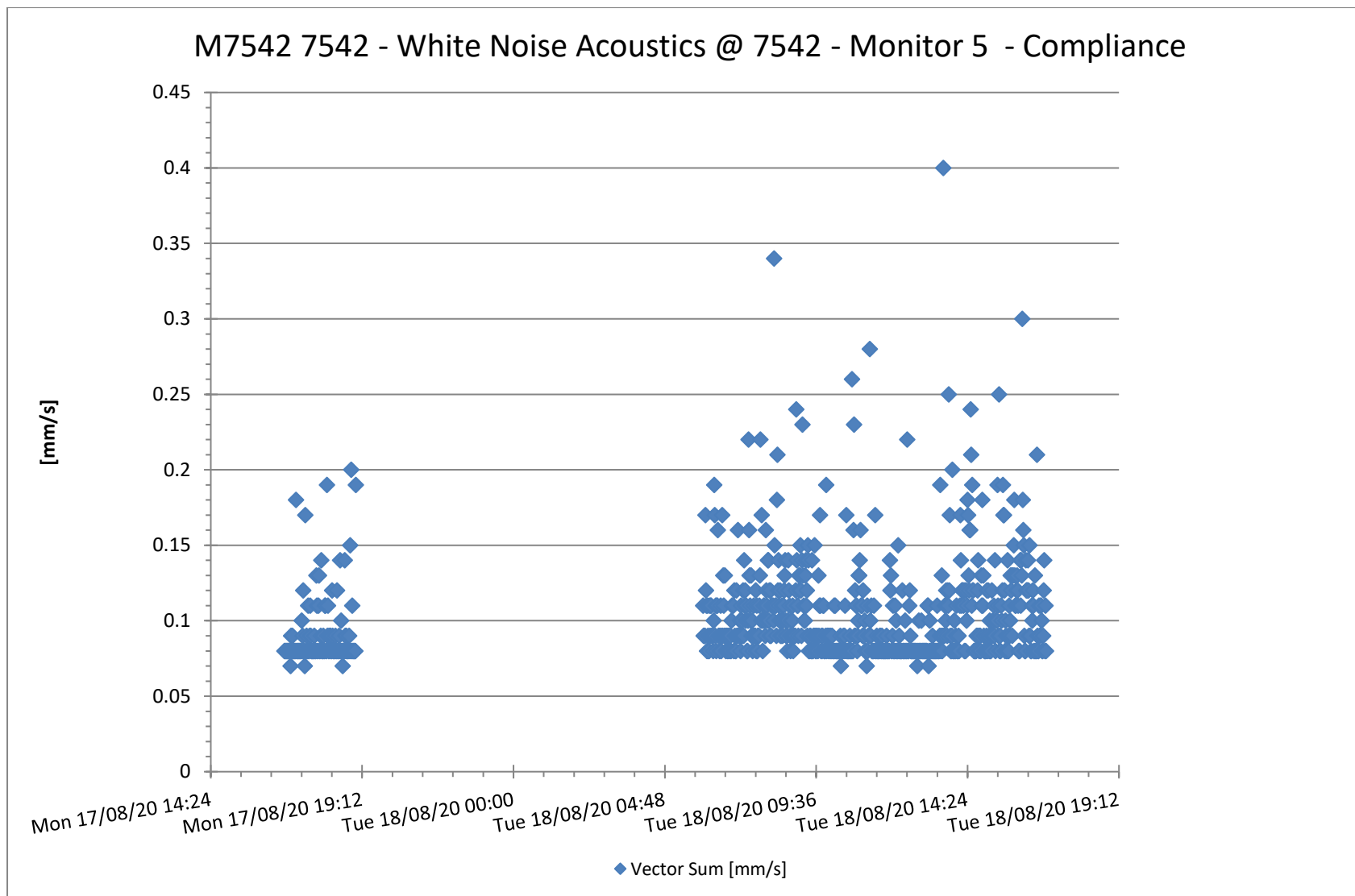
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



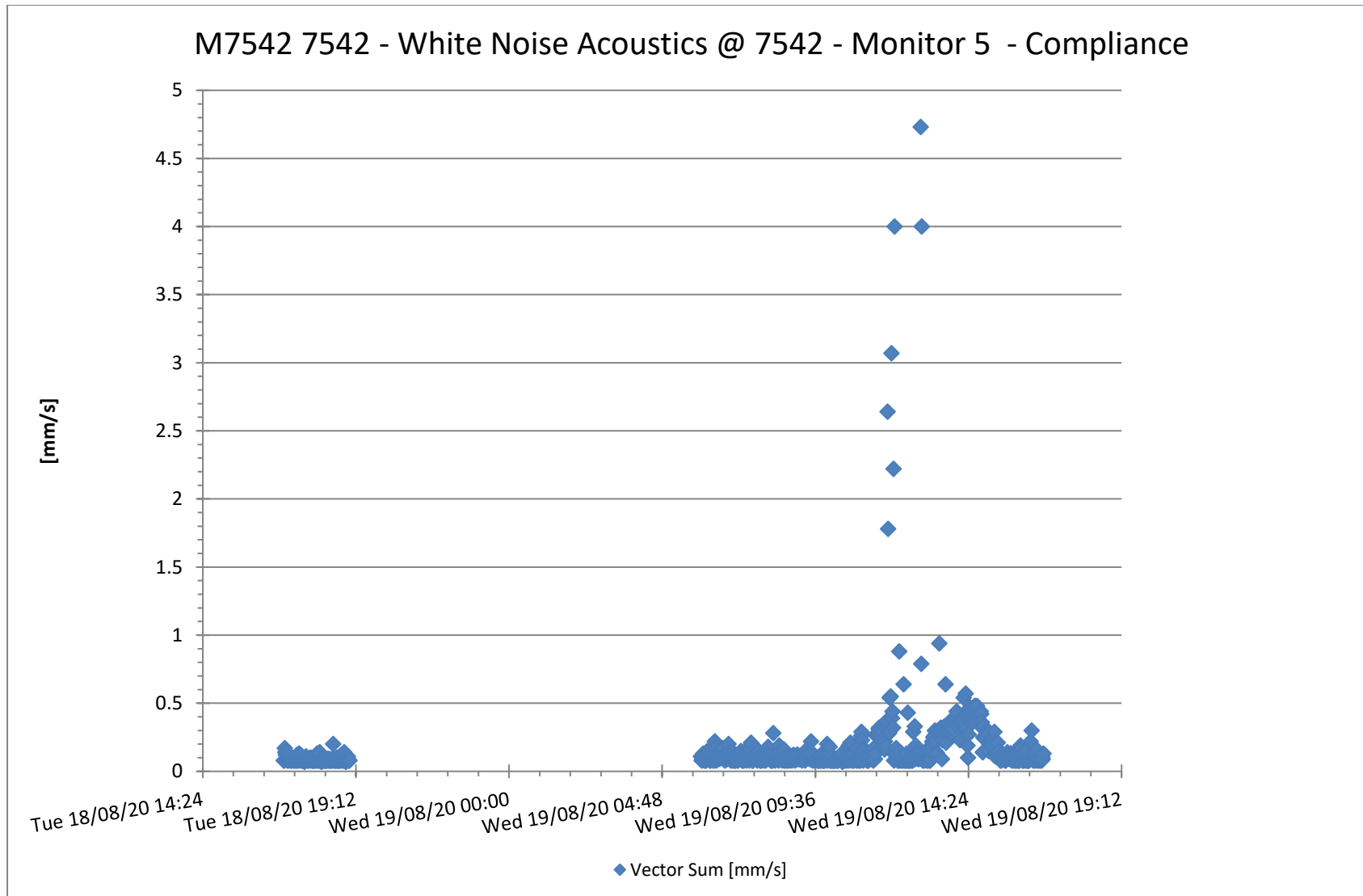
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



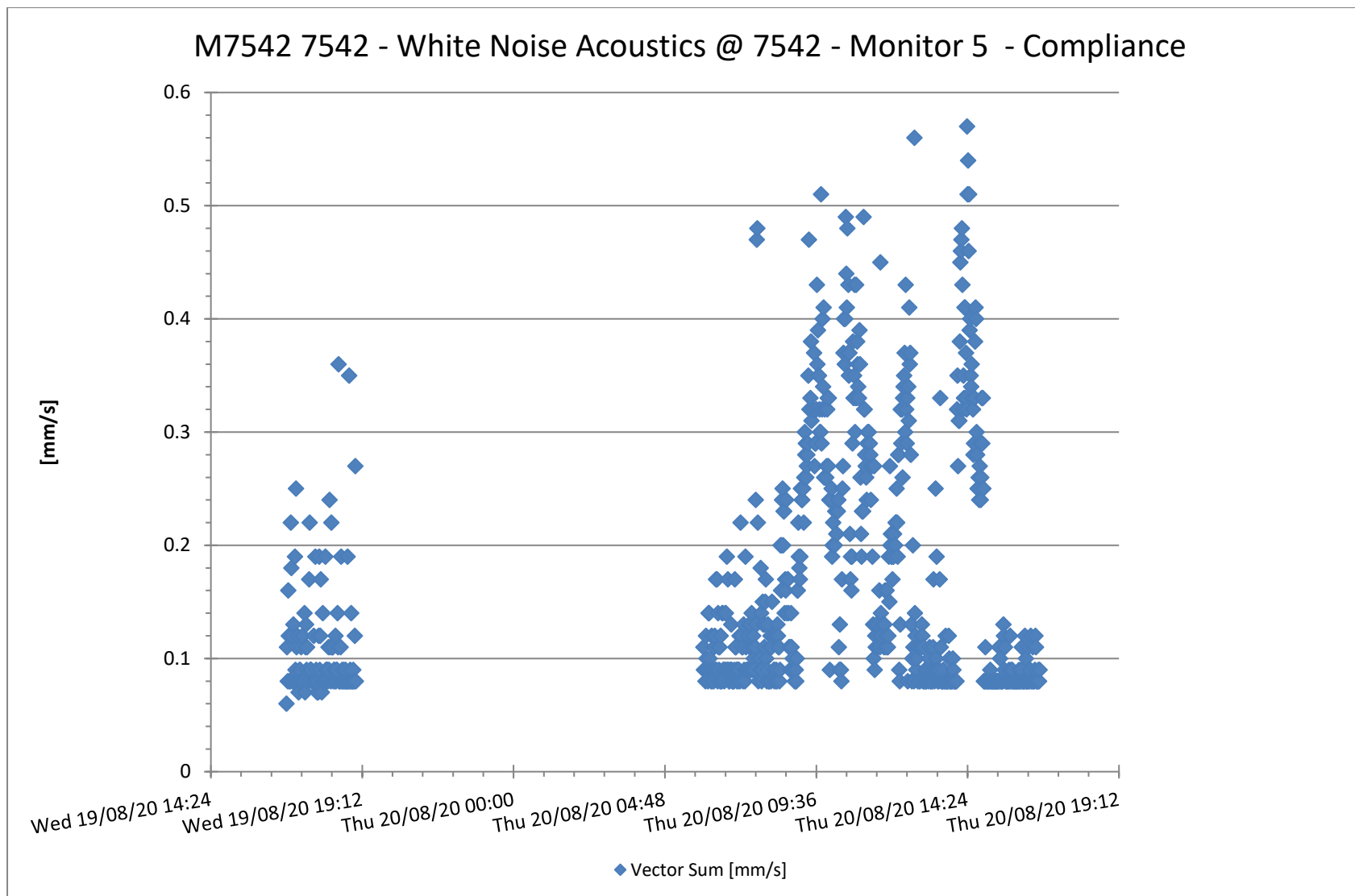
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



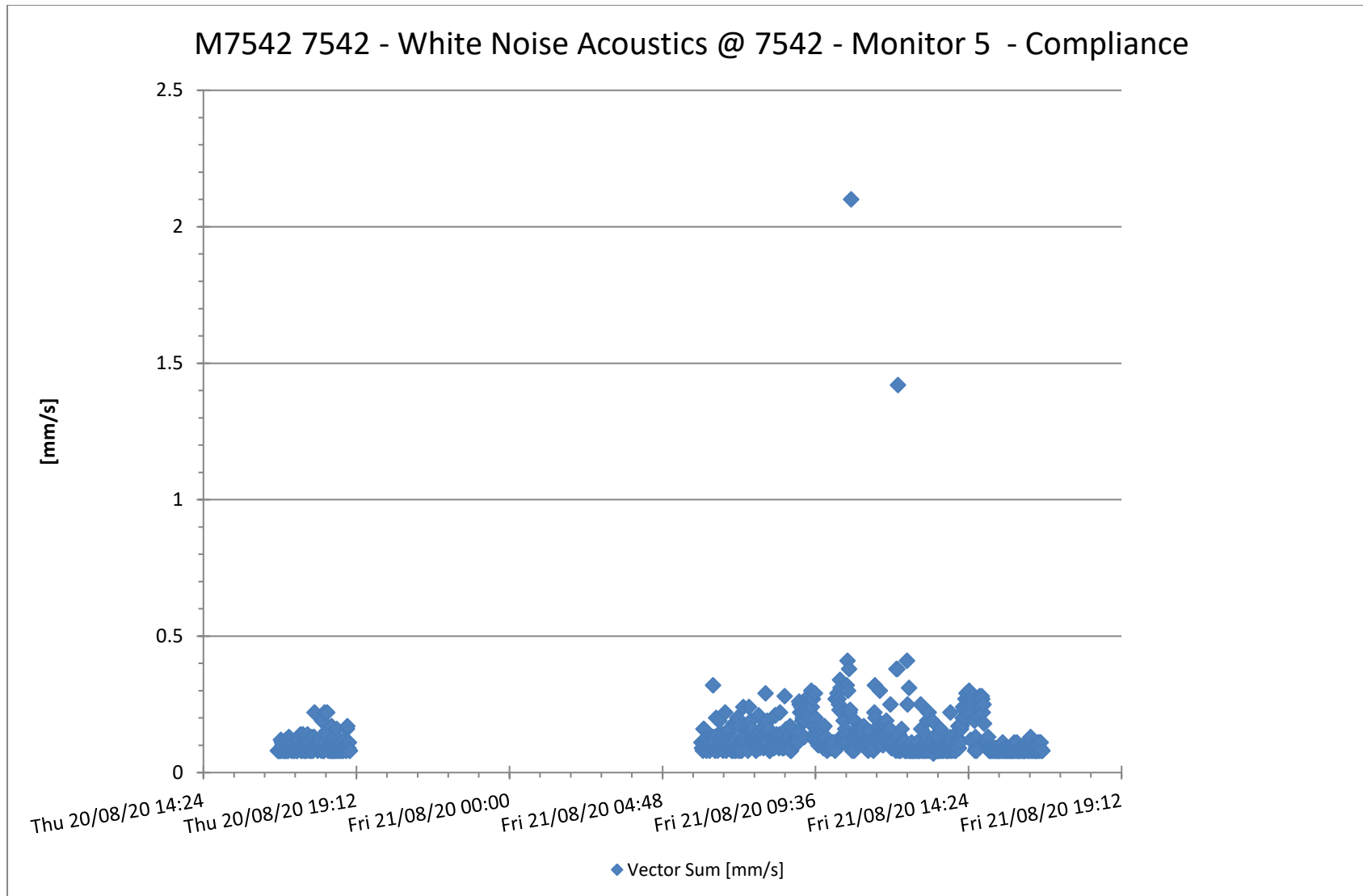
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



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

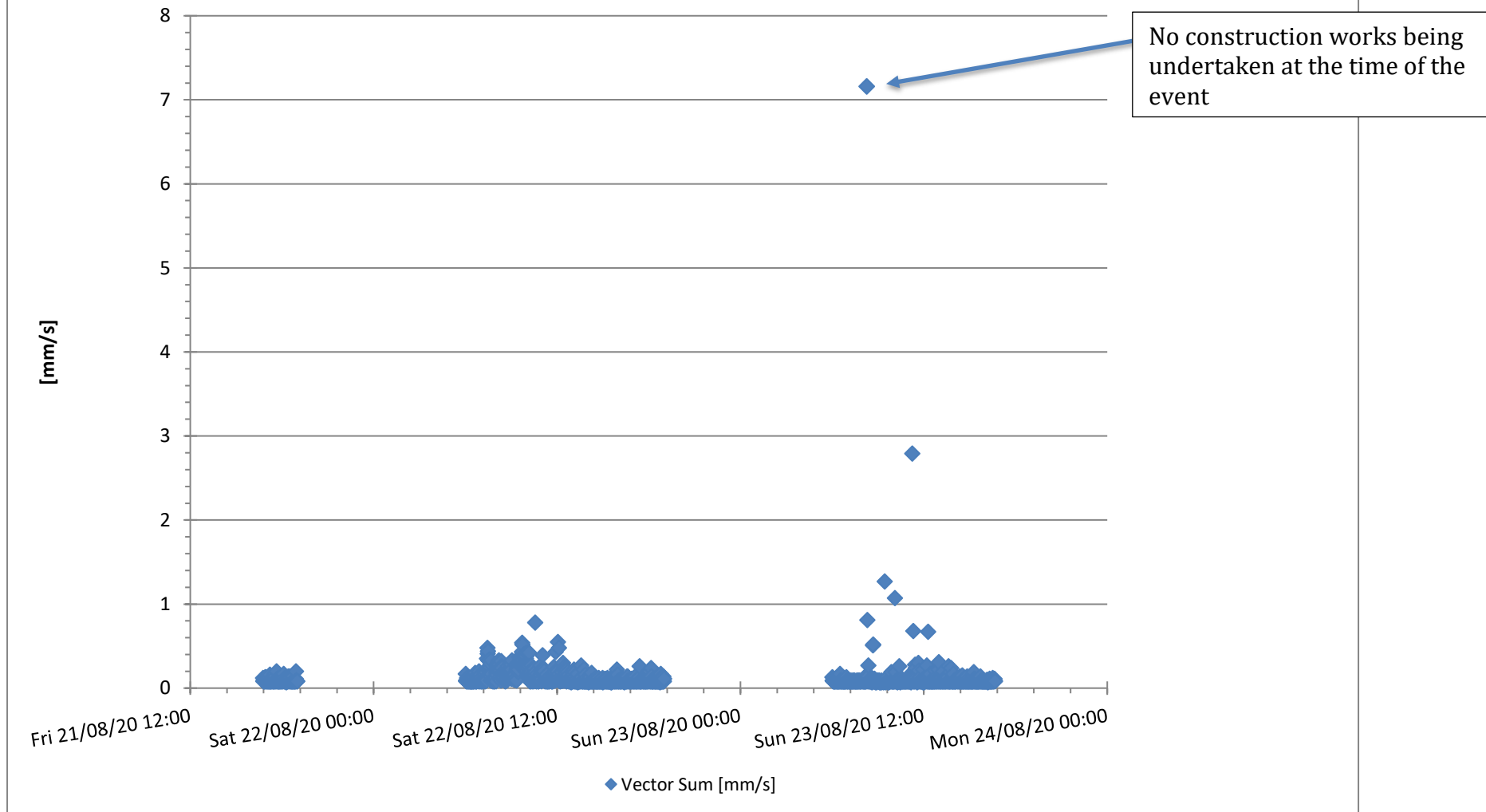


### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

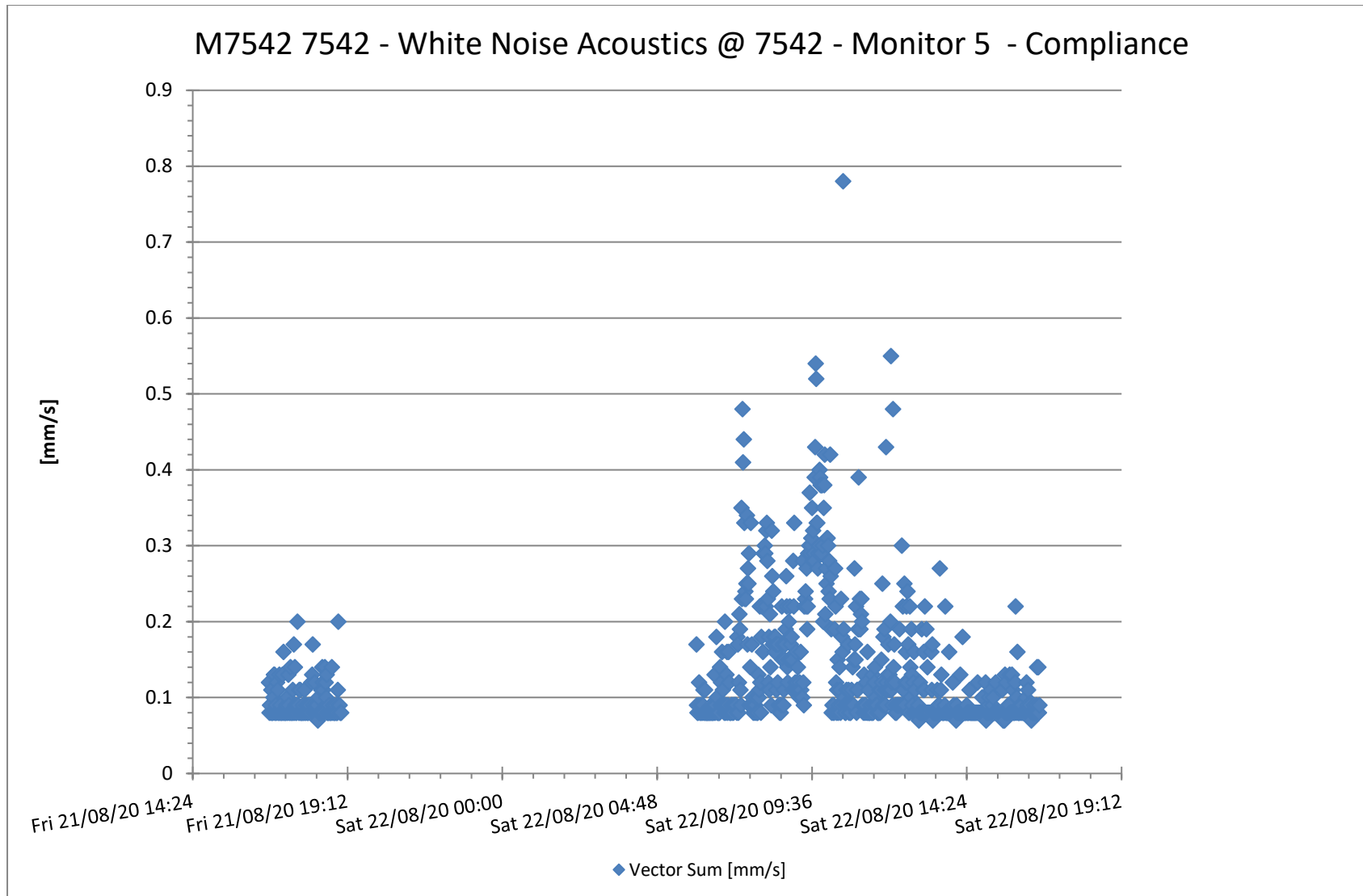




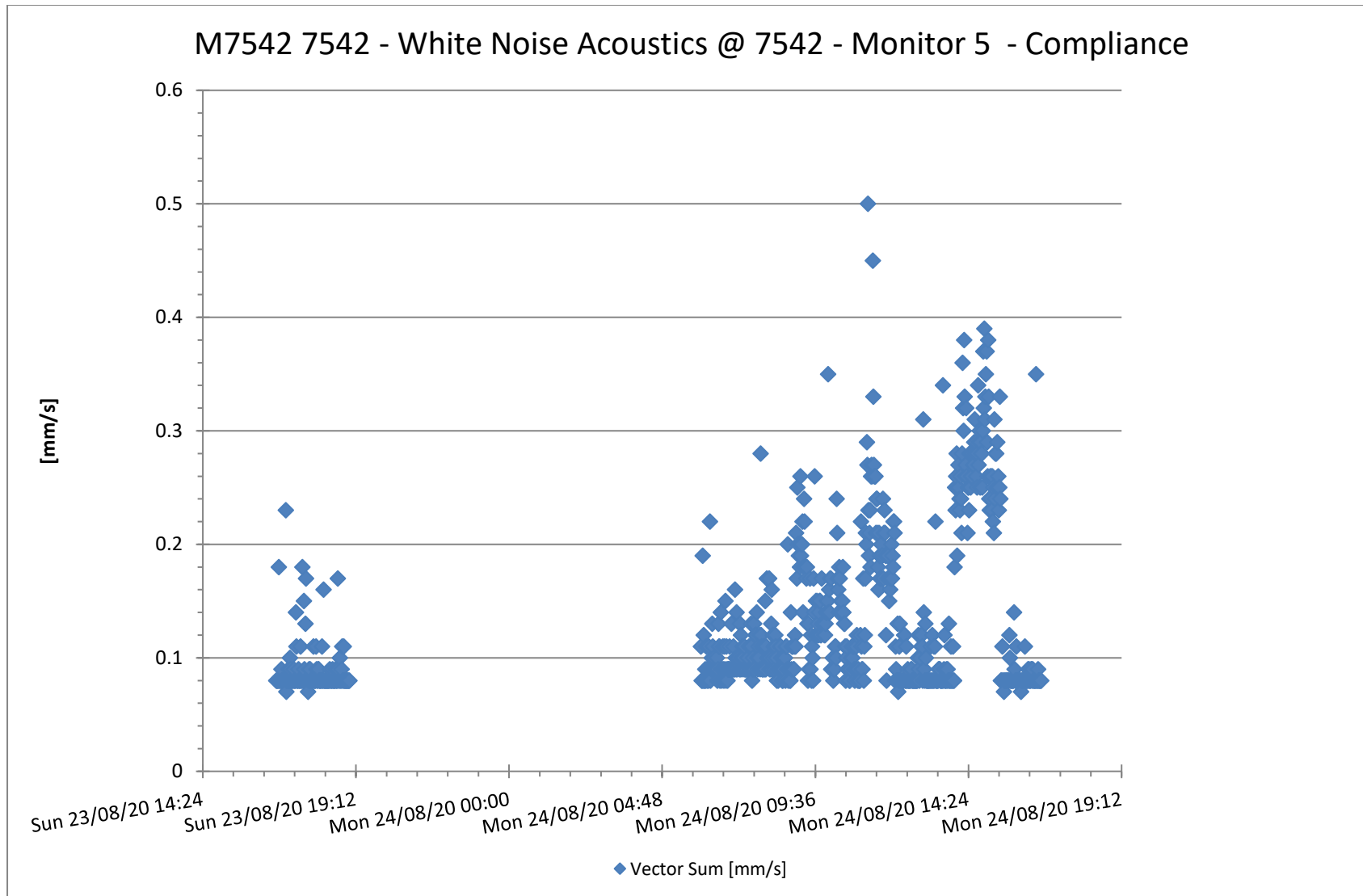
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



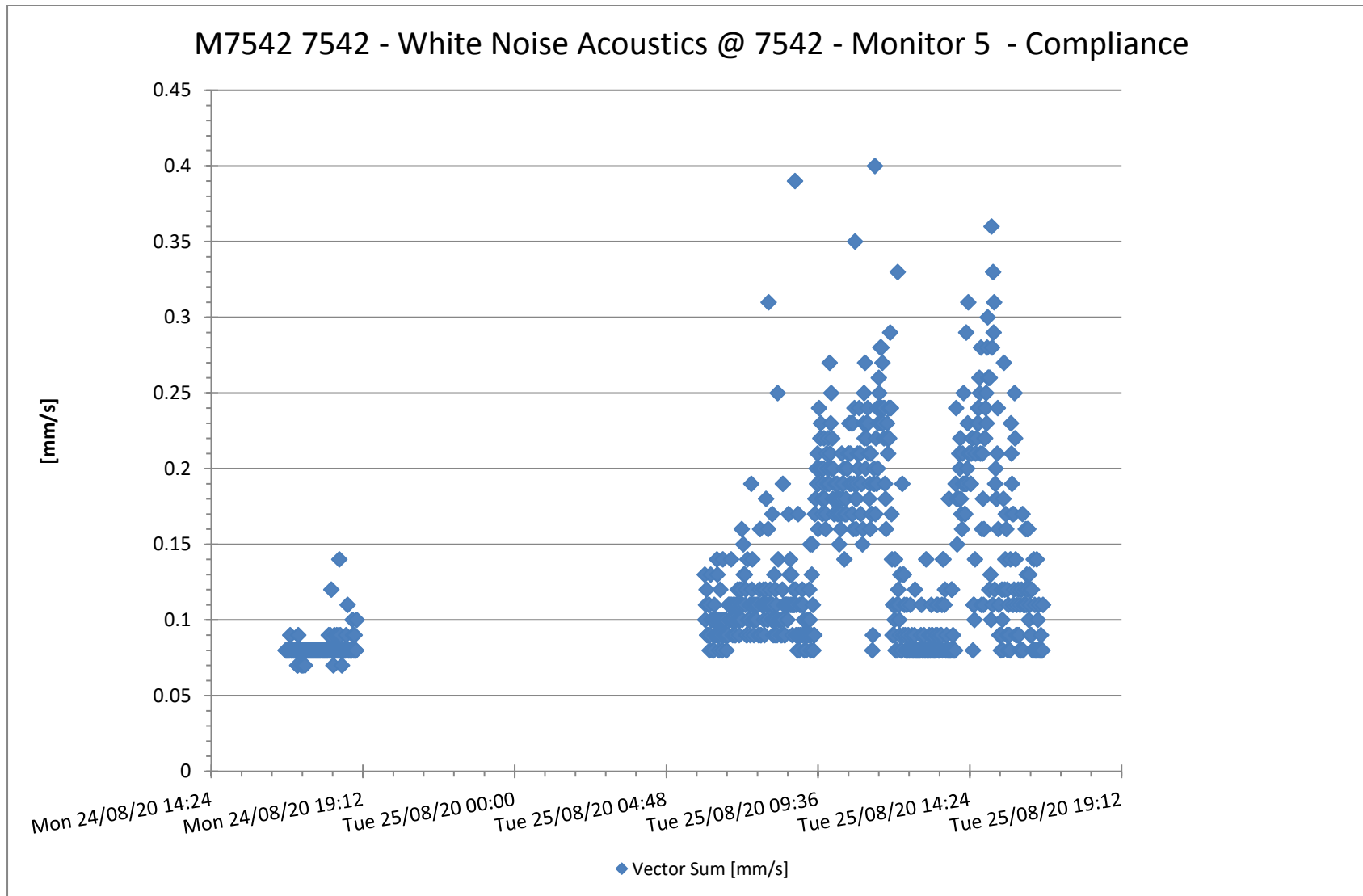
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



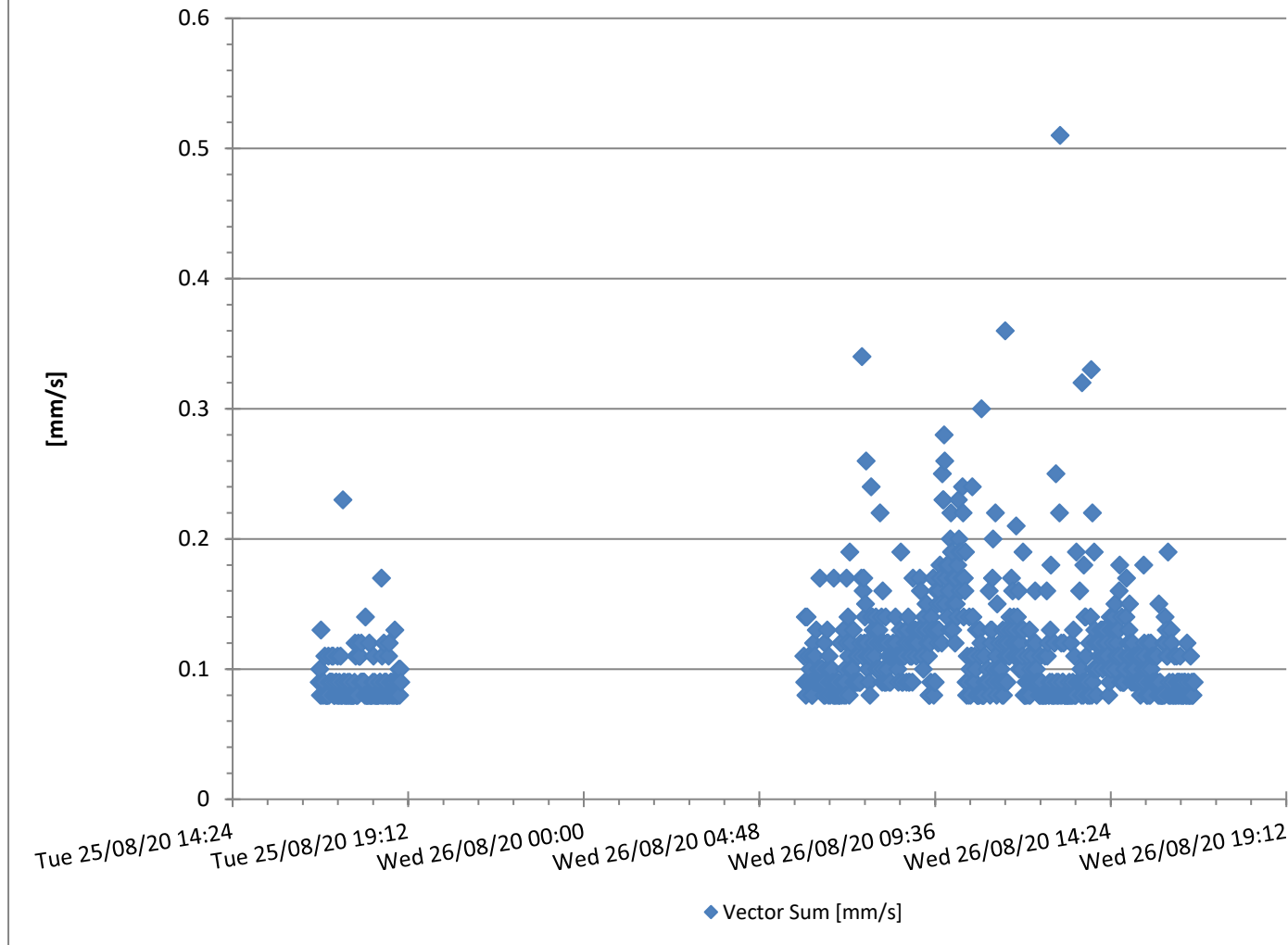
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



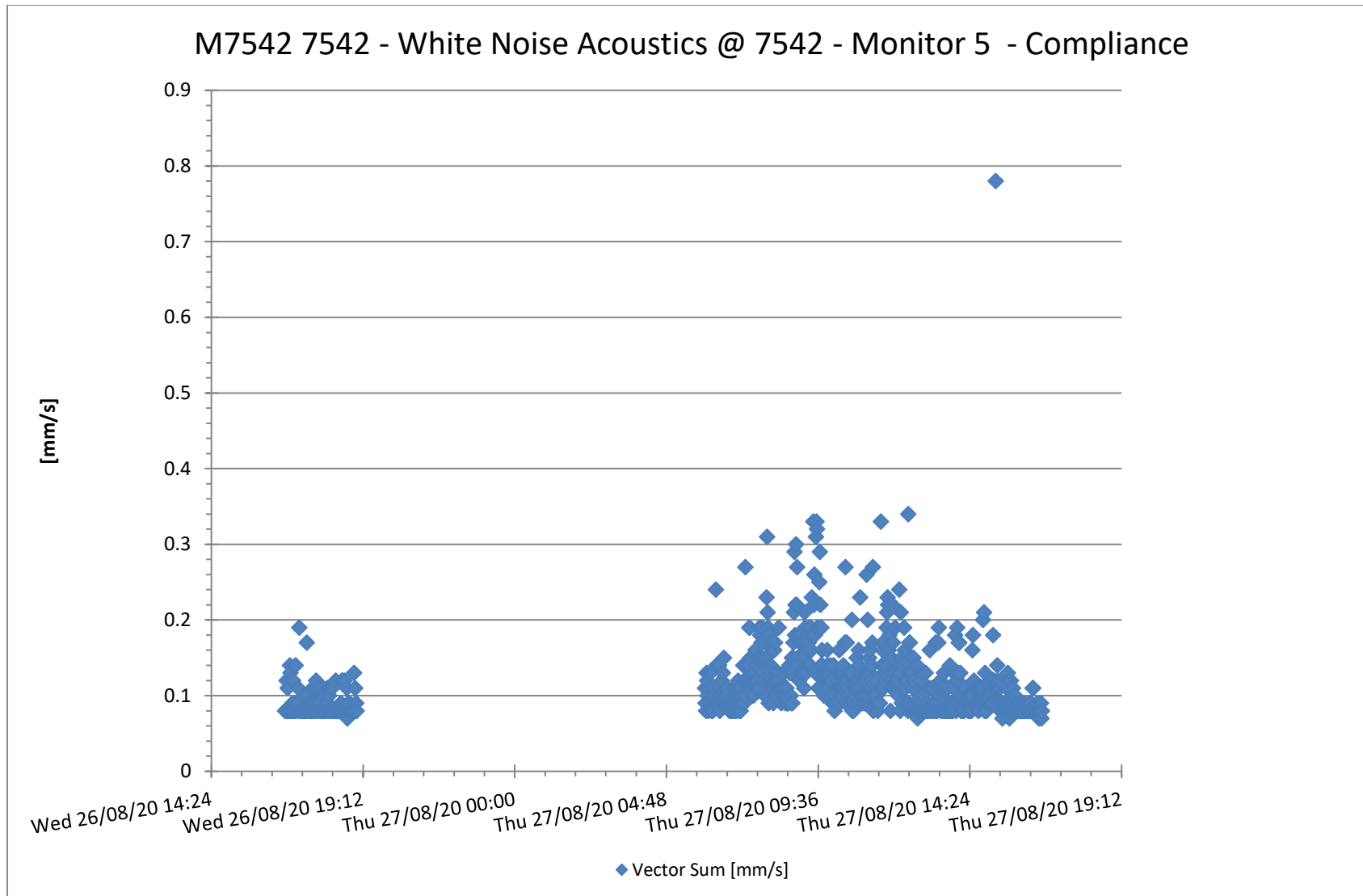
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



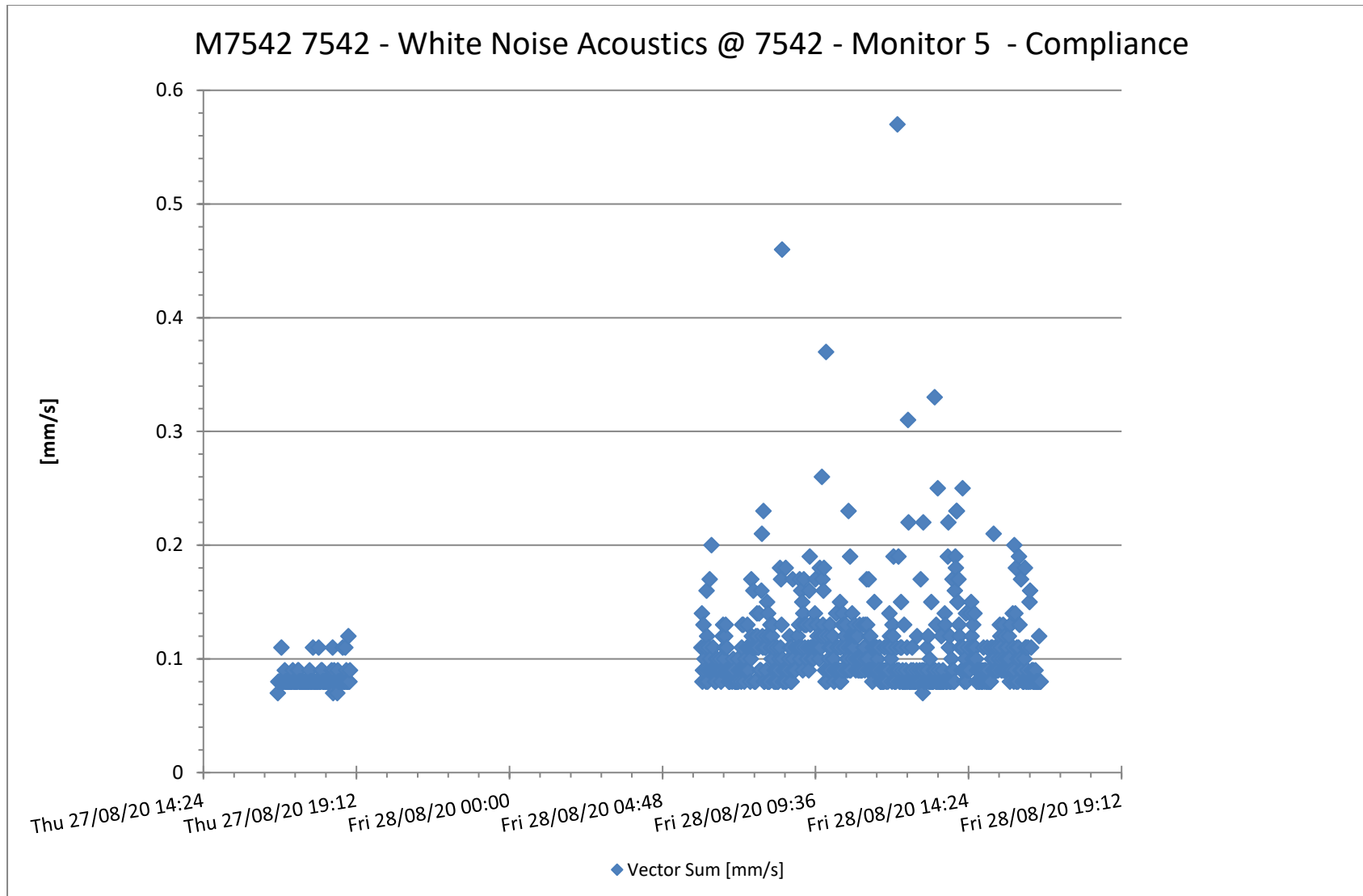
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



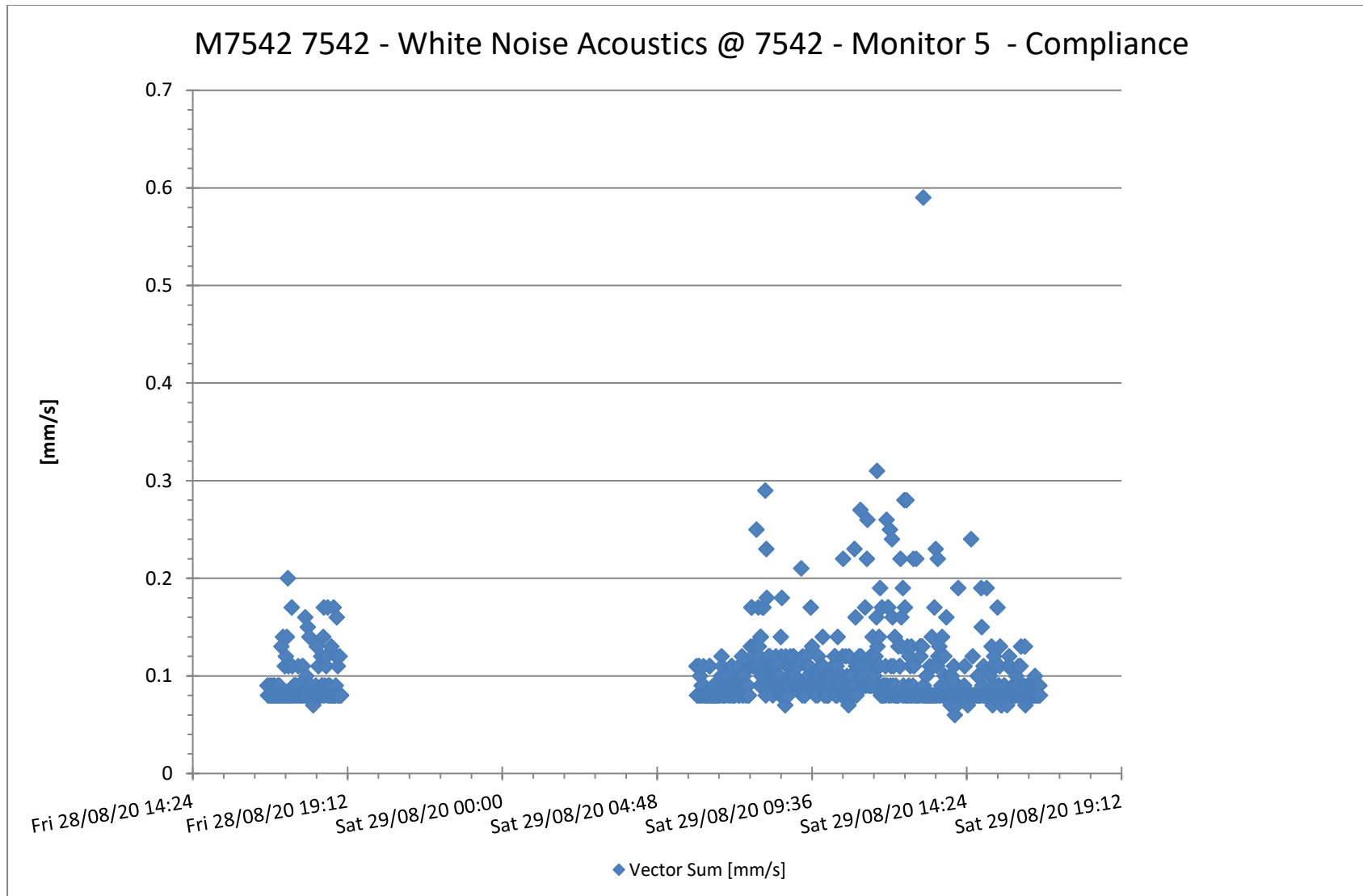
### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



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

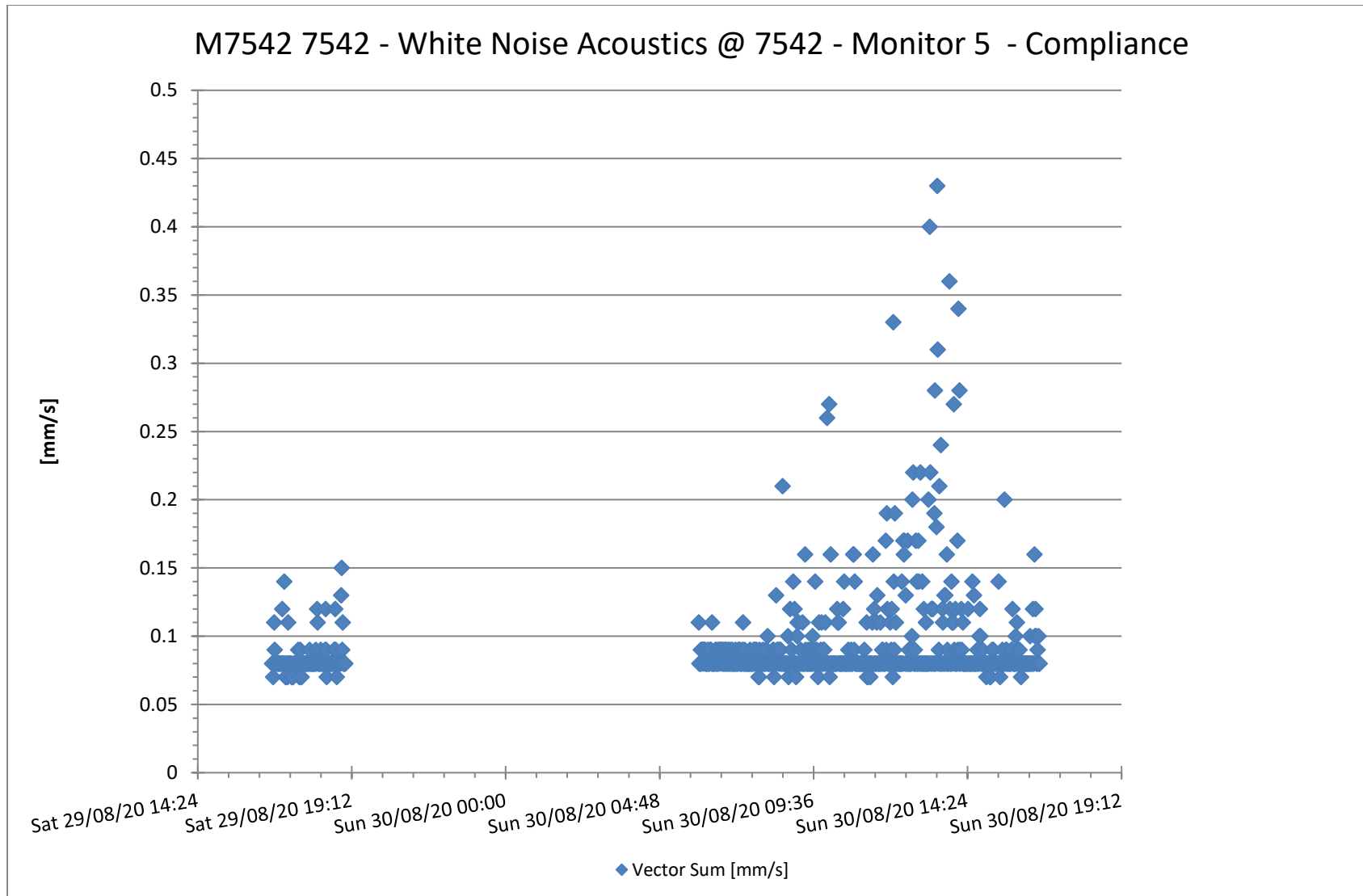


### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance



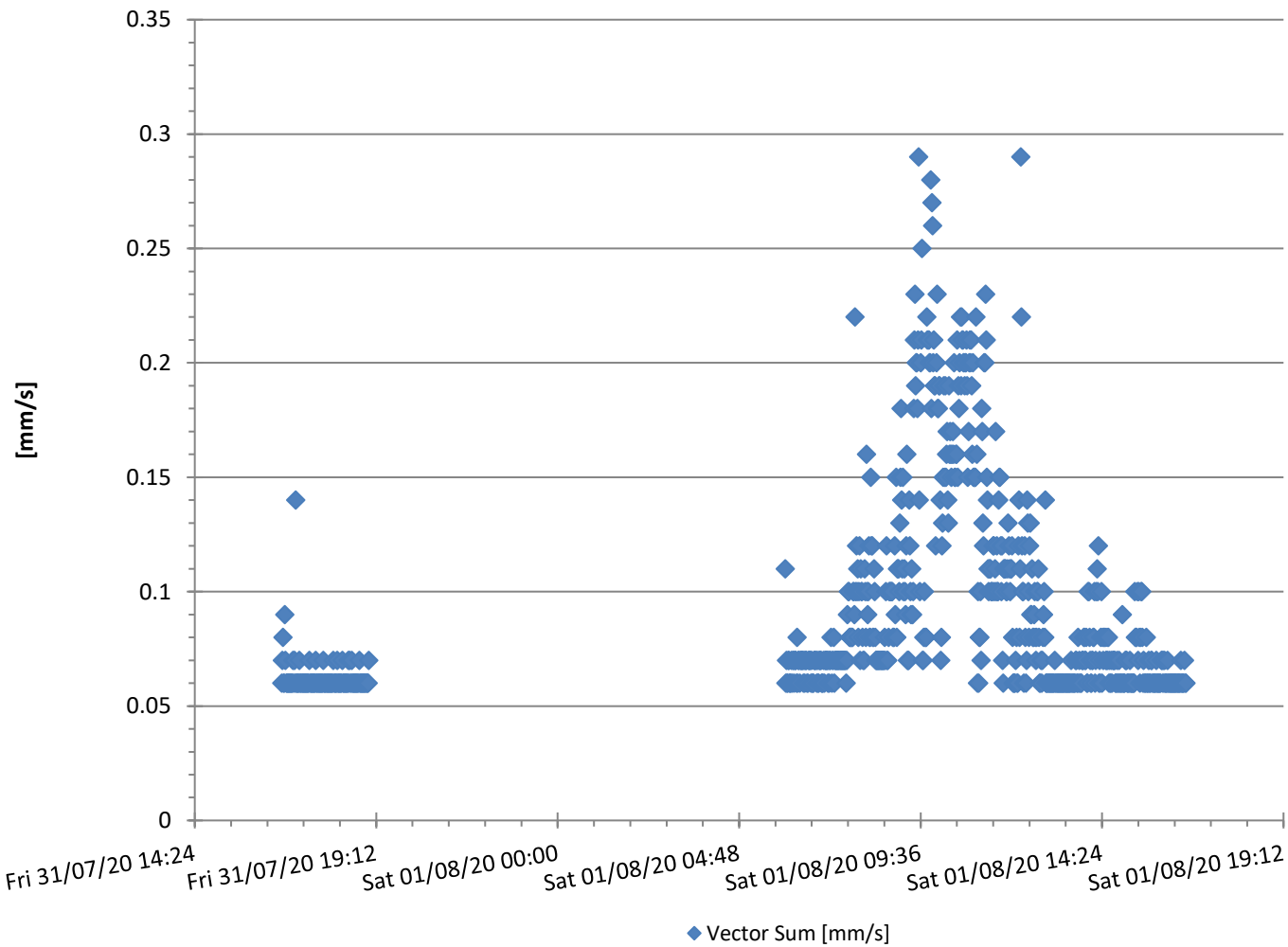


### M7542 7542 - White Noise Acoustics @ 7542 - Monitor 5 - Compliance

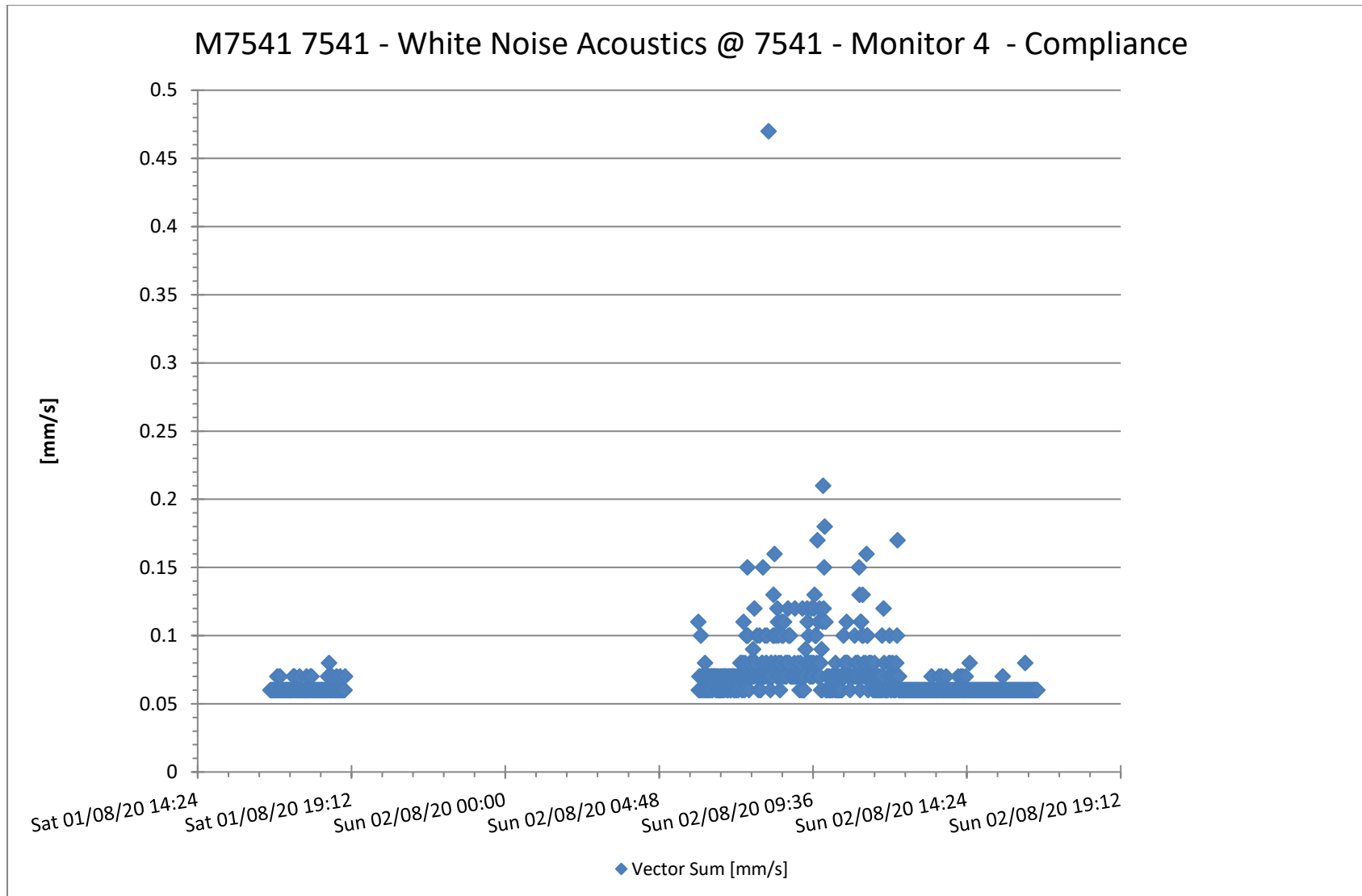


## **10 Appendix D –Logger Location 3 – Monitor M7541**

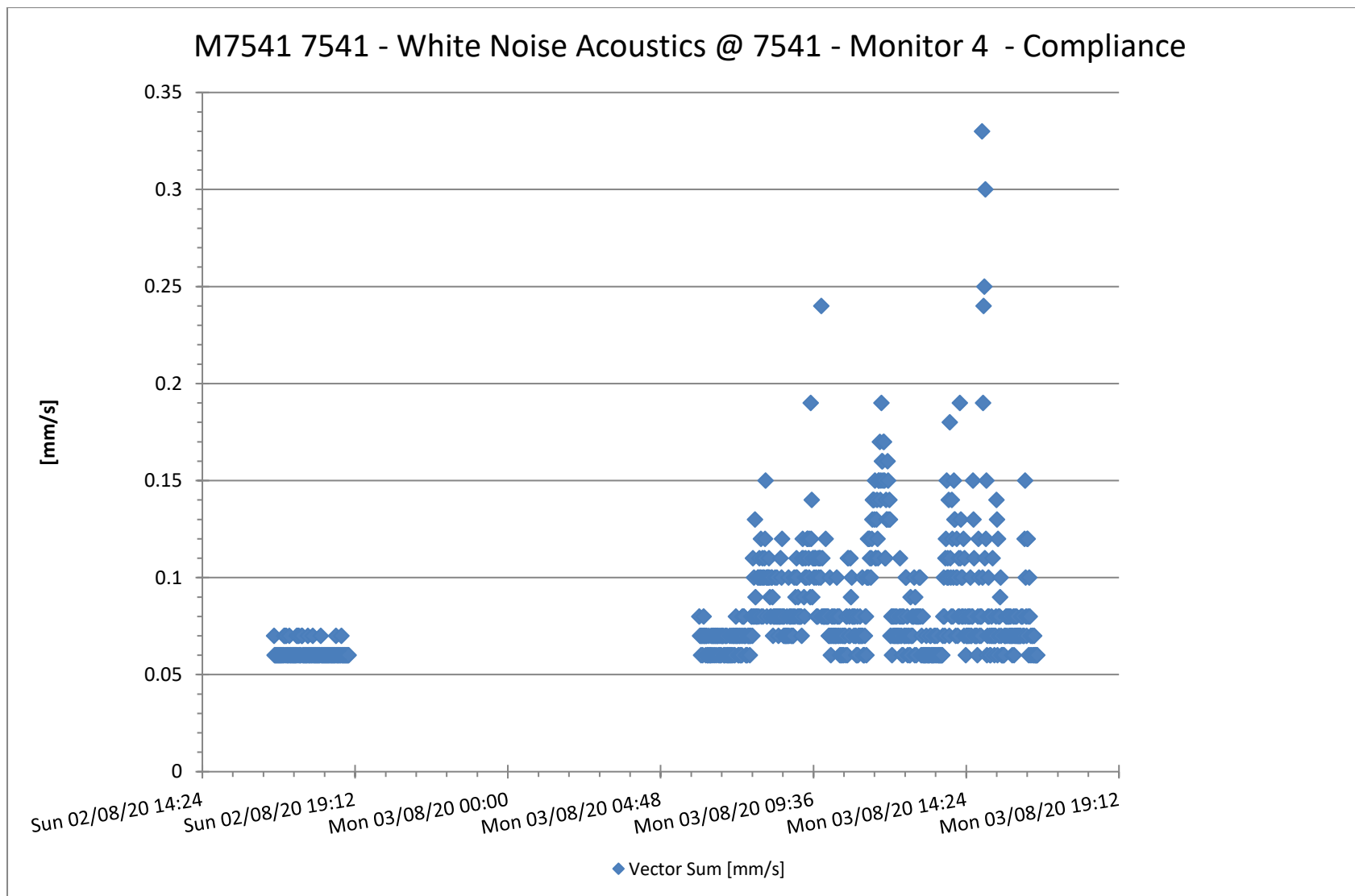
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



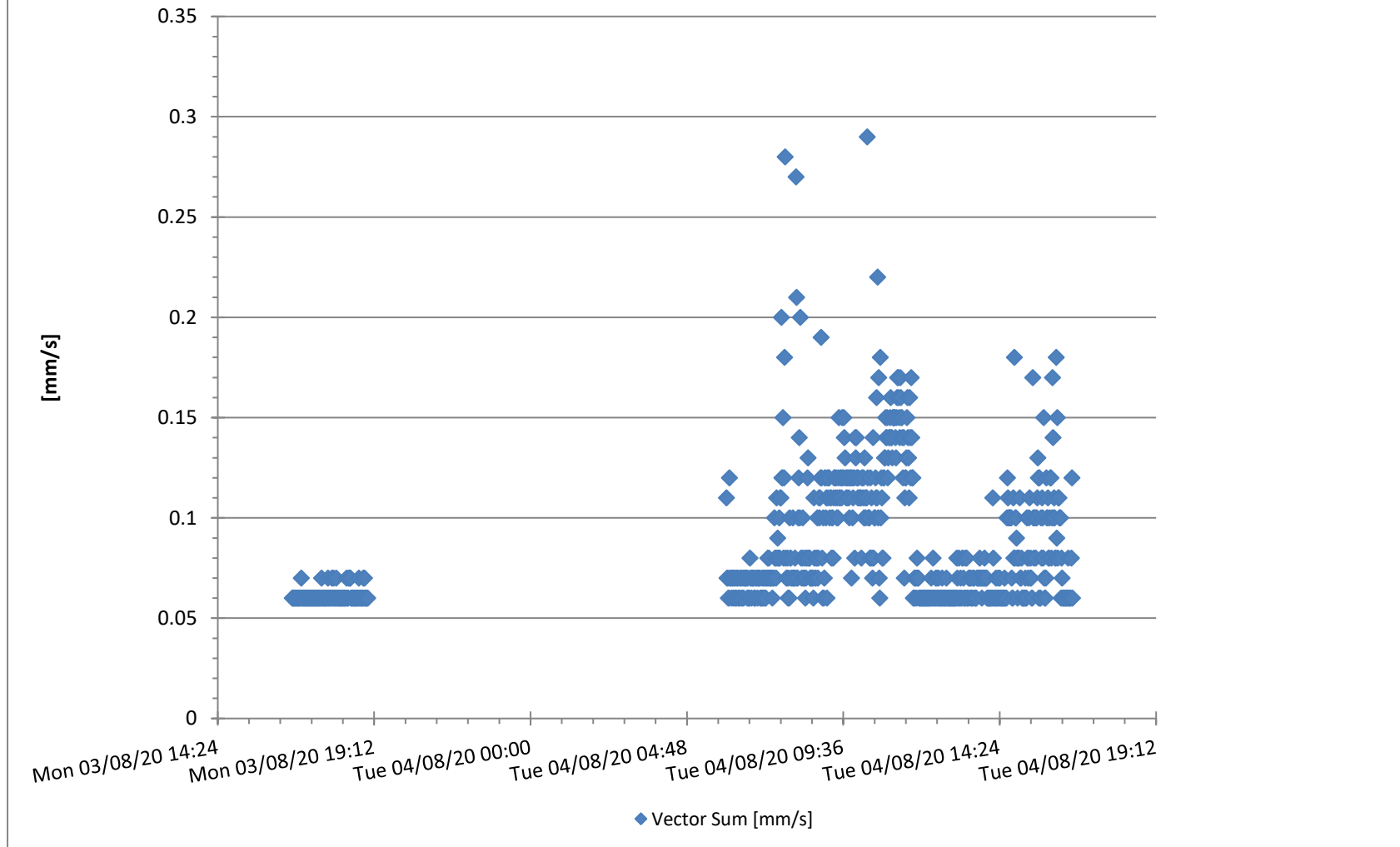
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



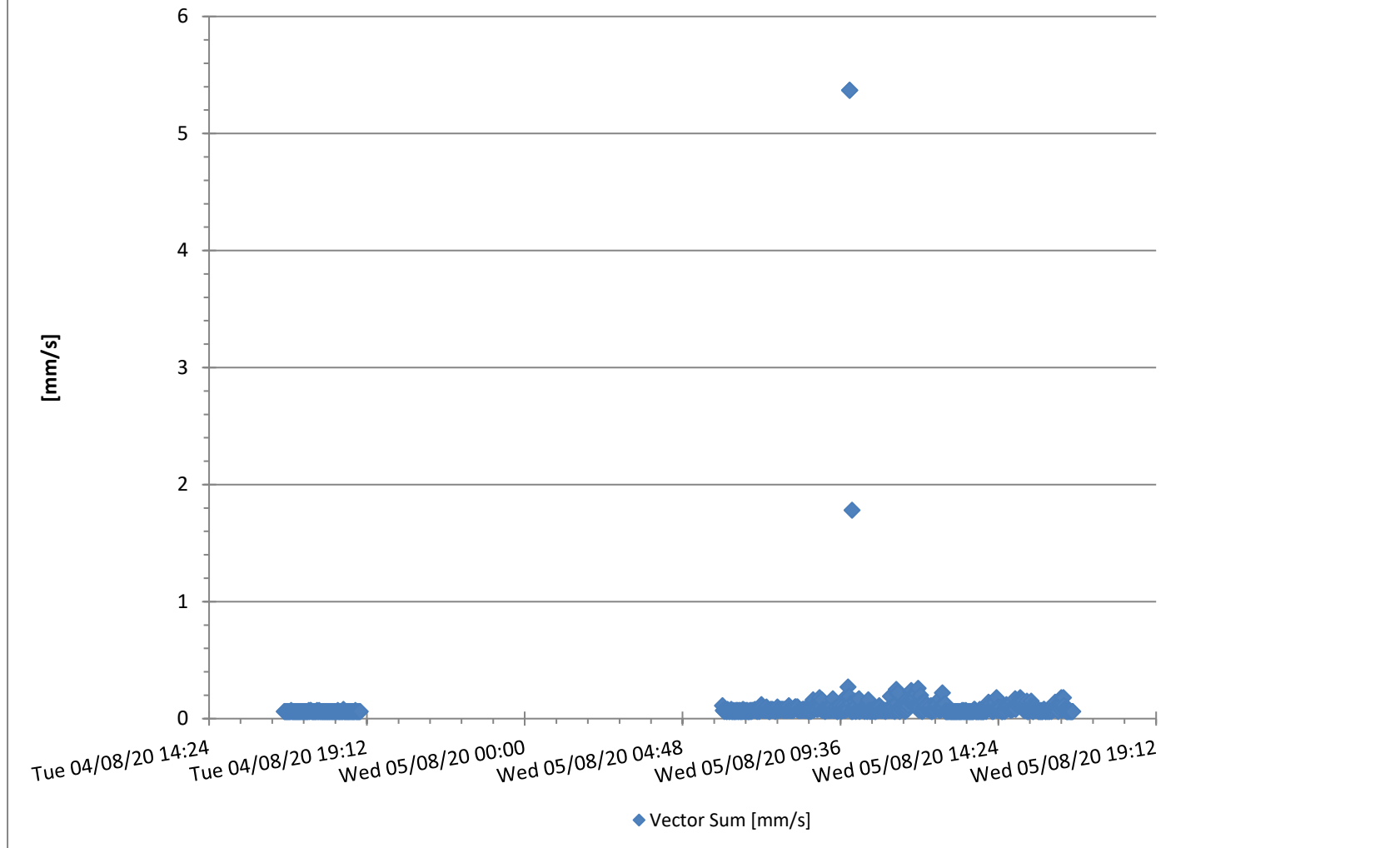
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



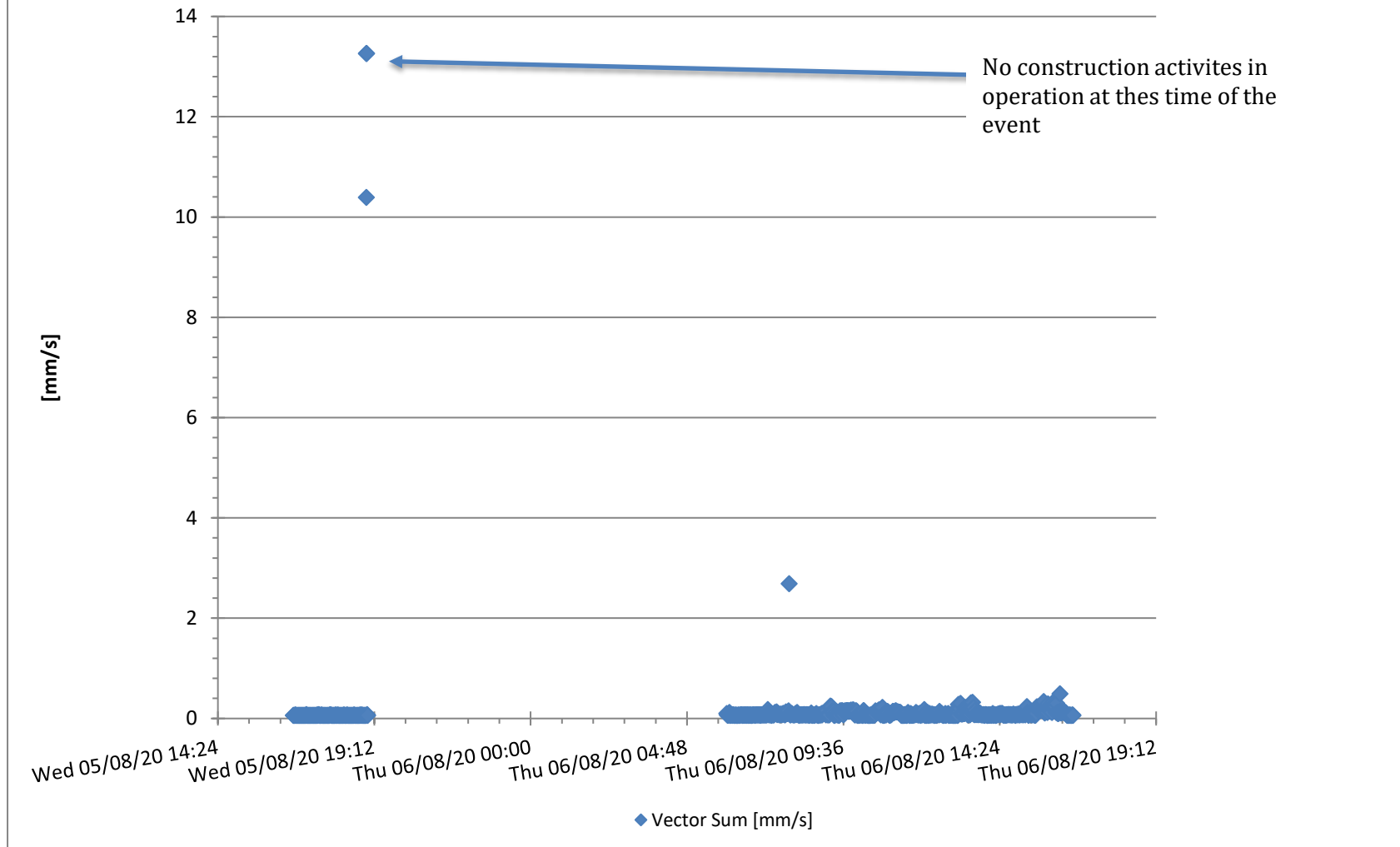
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



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

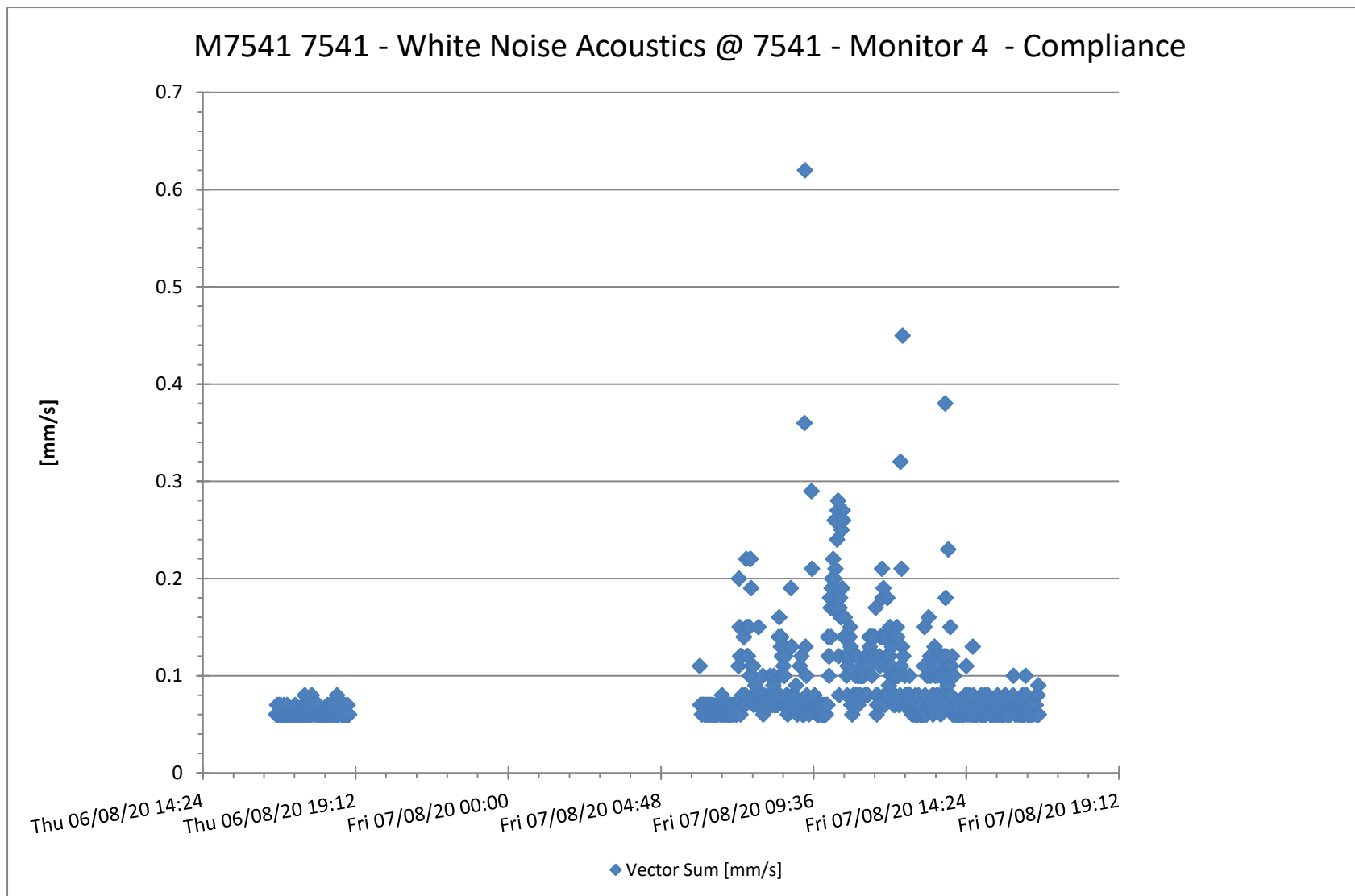


### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

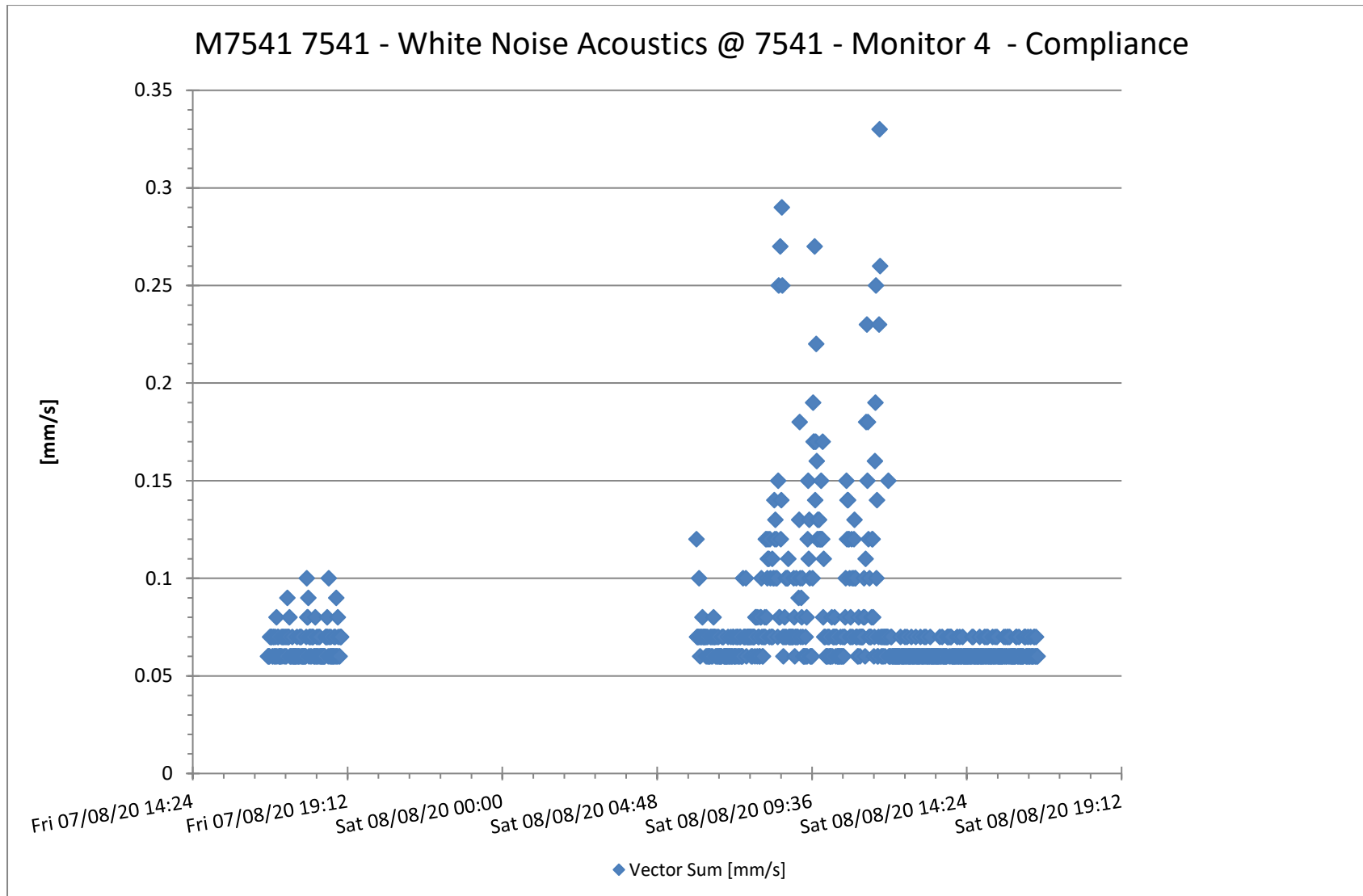




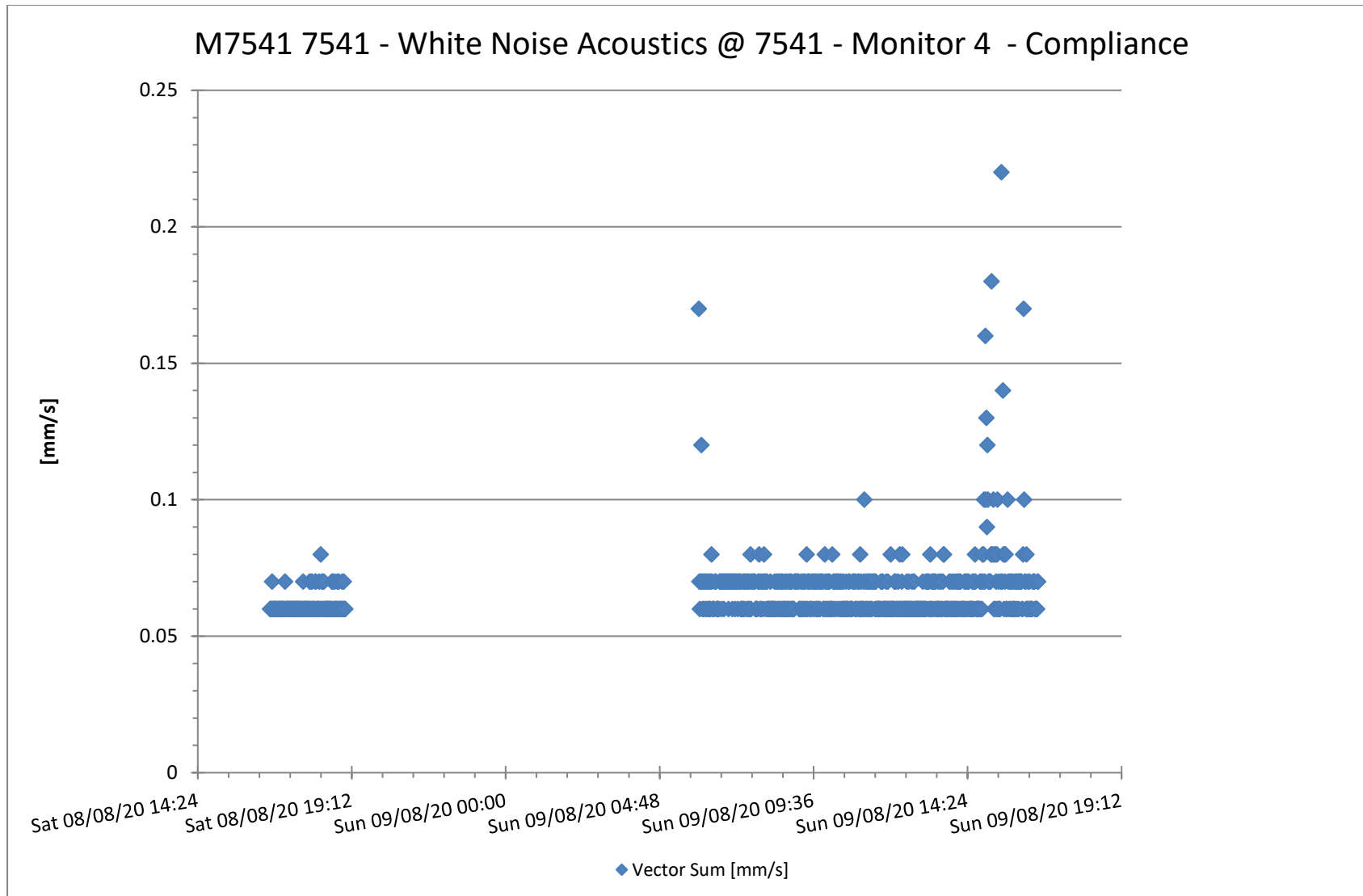
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



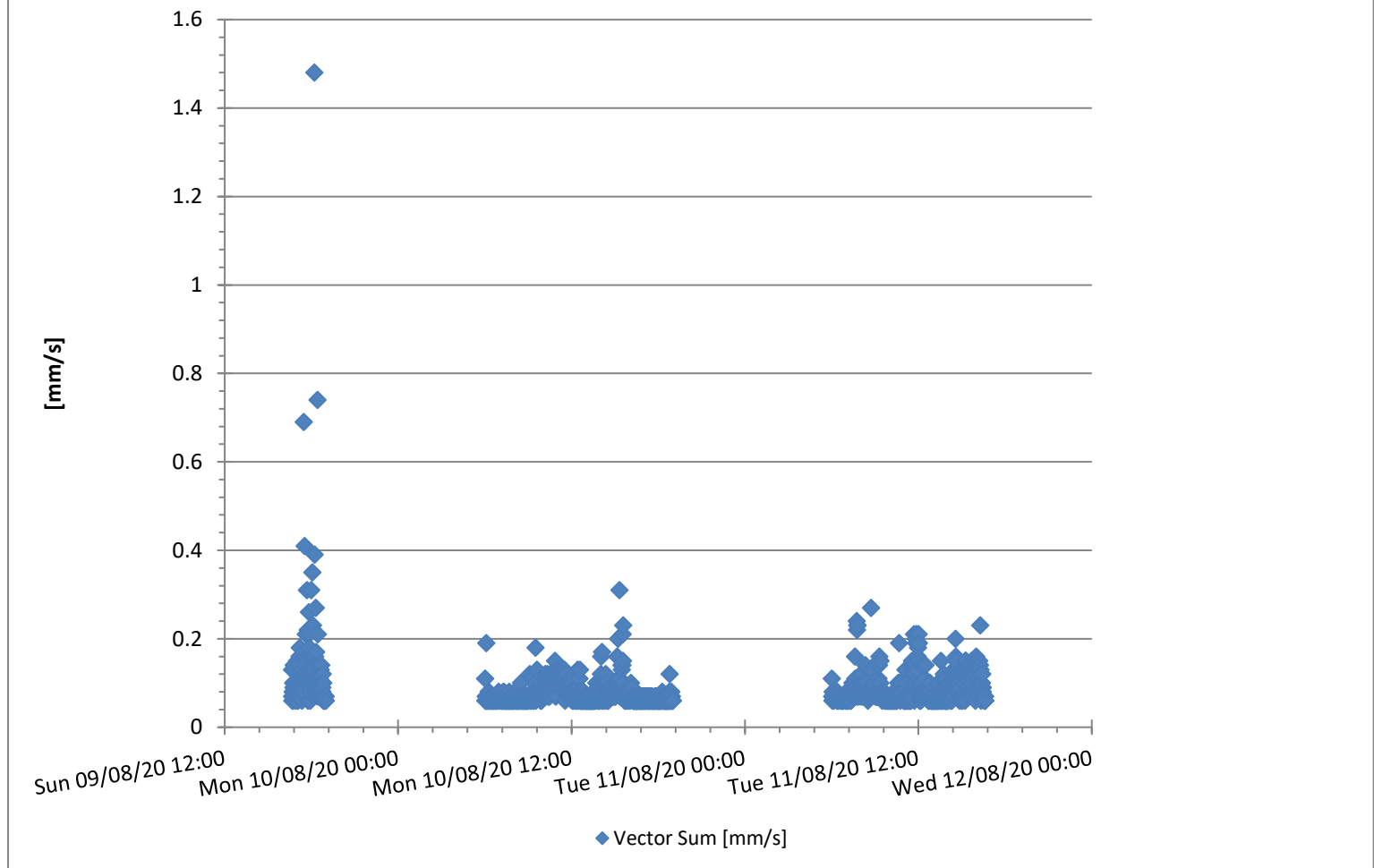
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



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

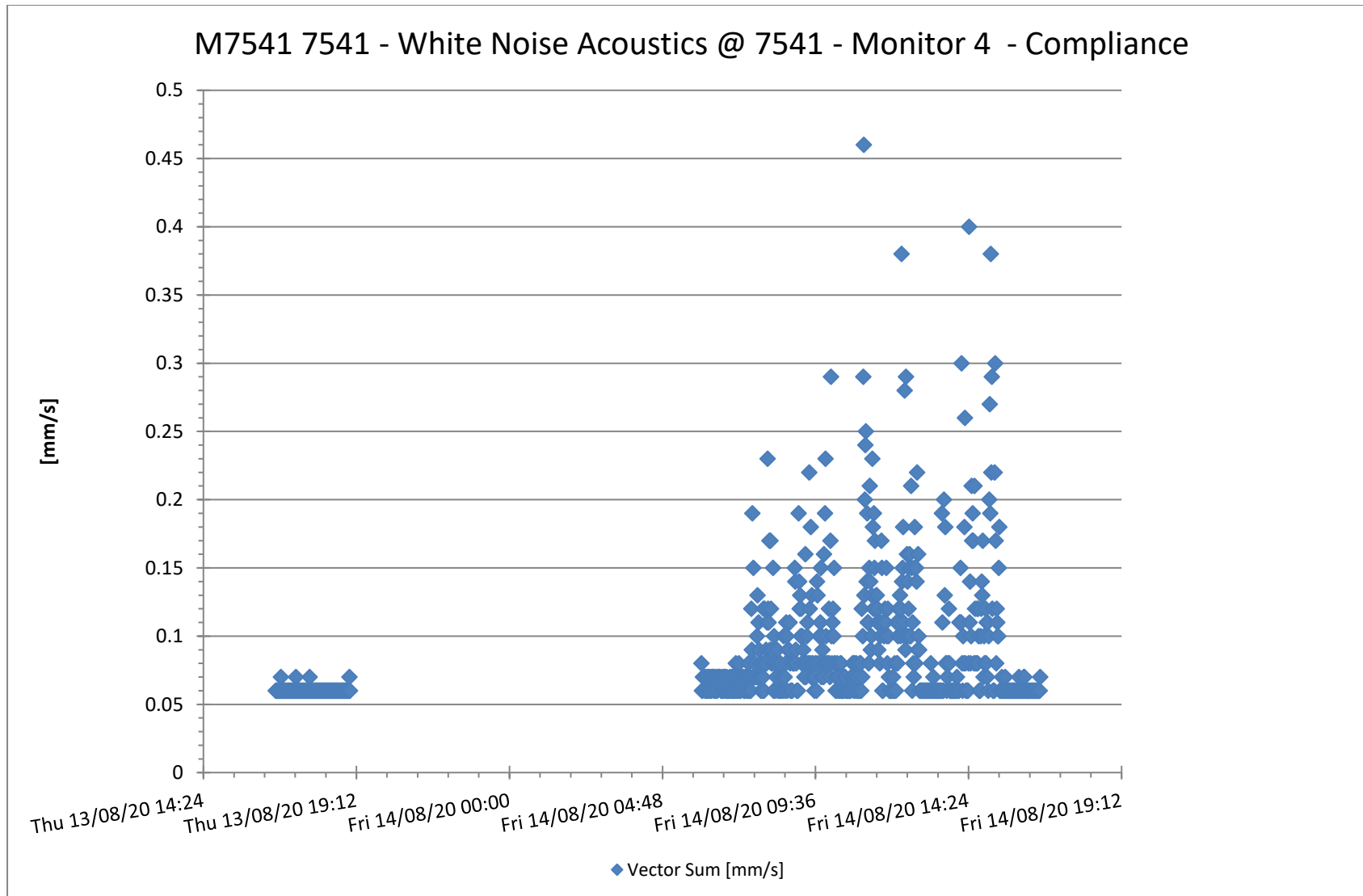


### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

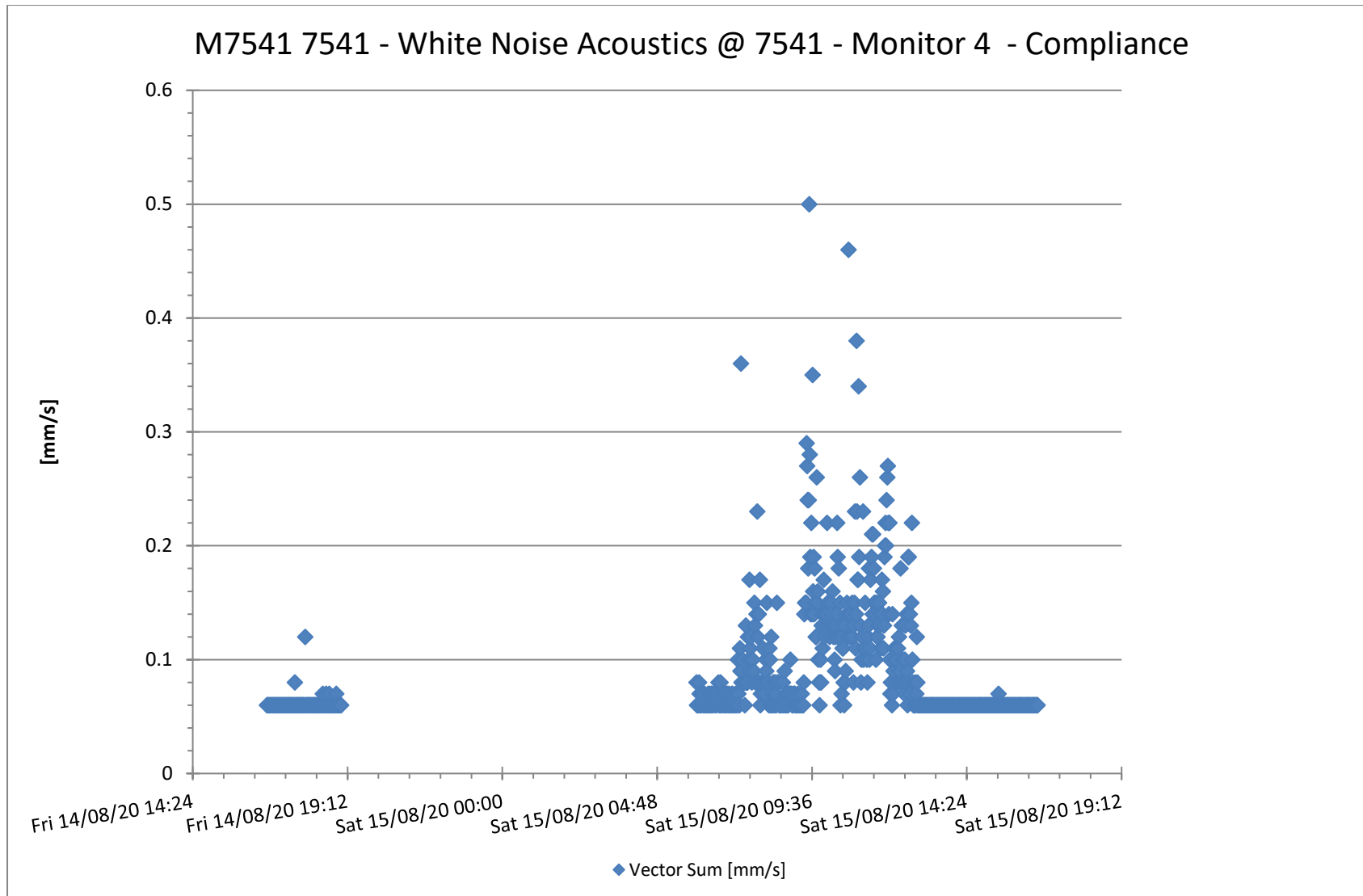




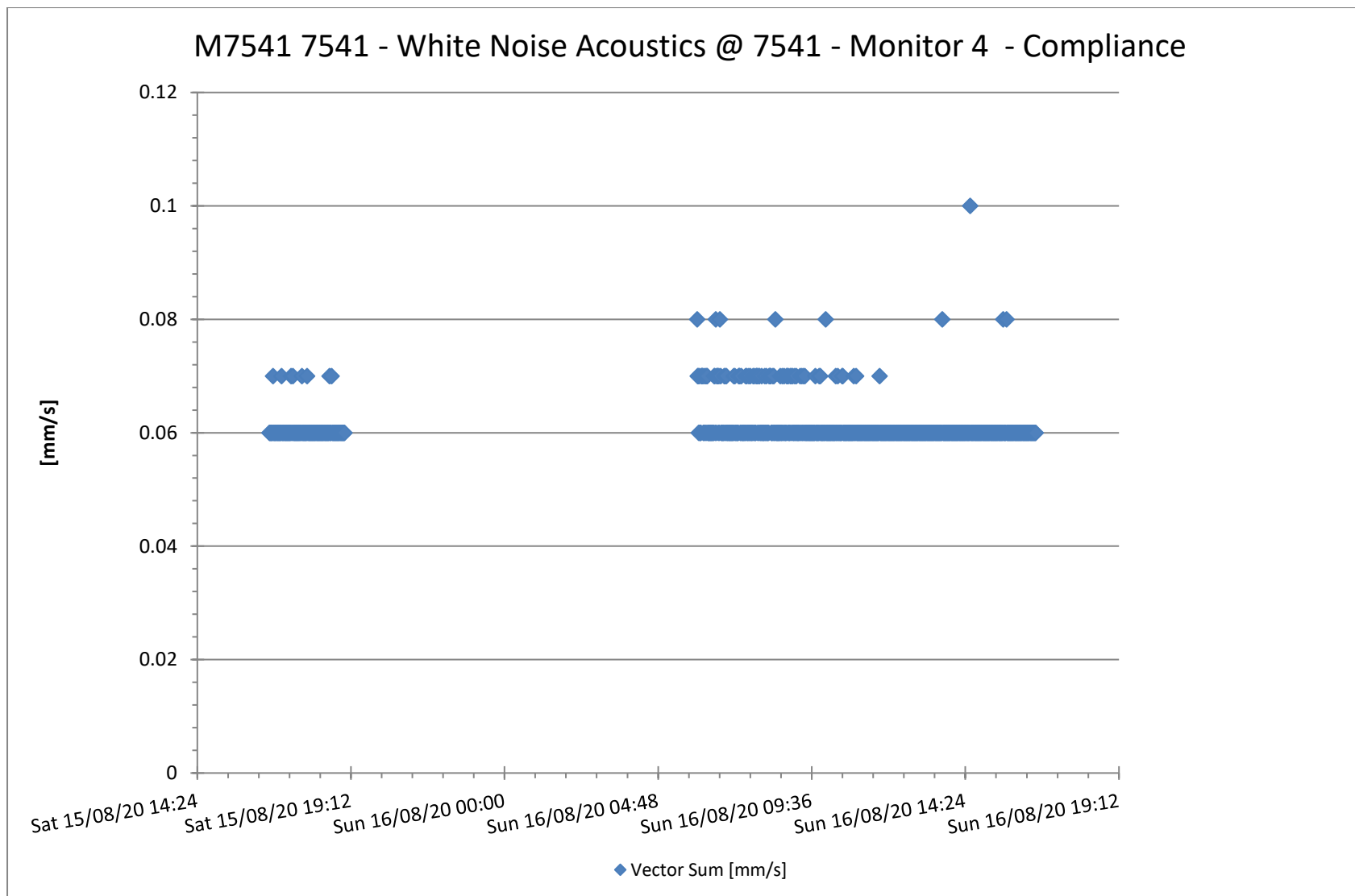
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



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

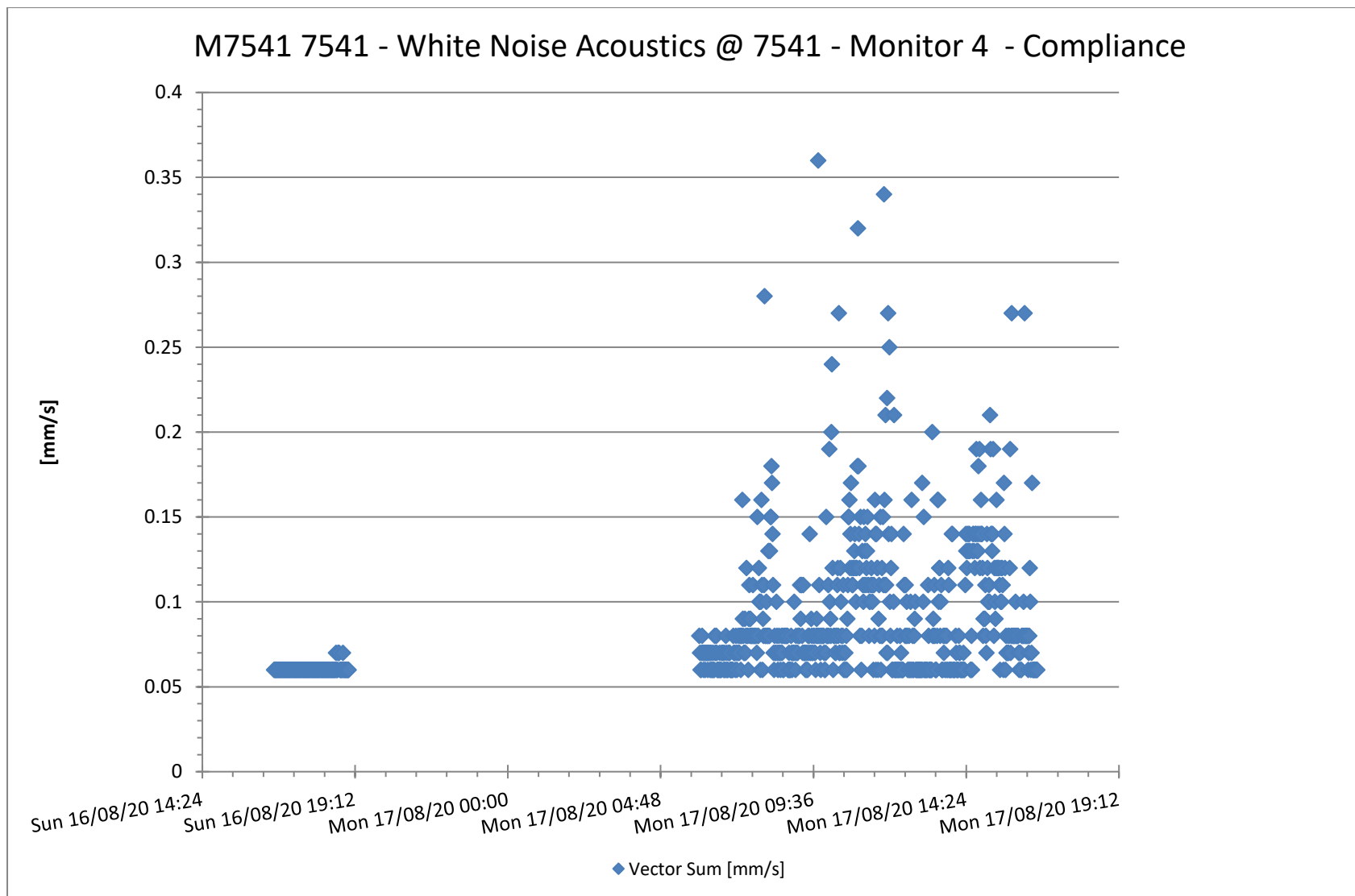


### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

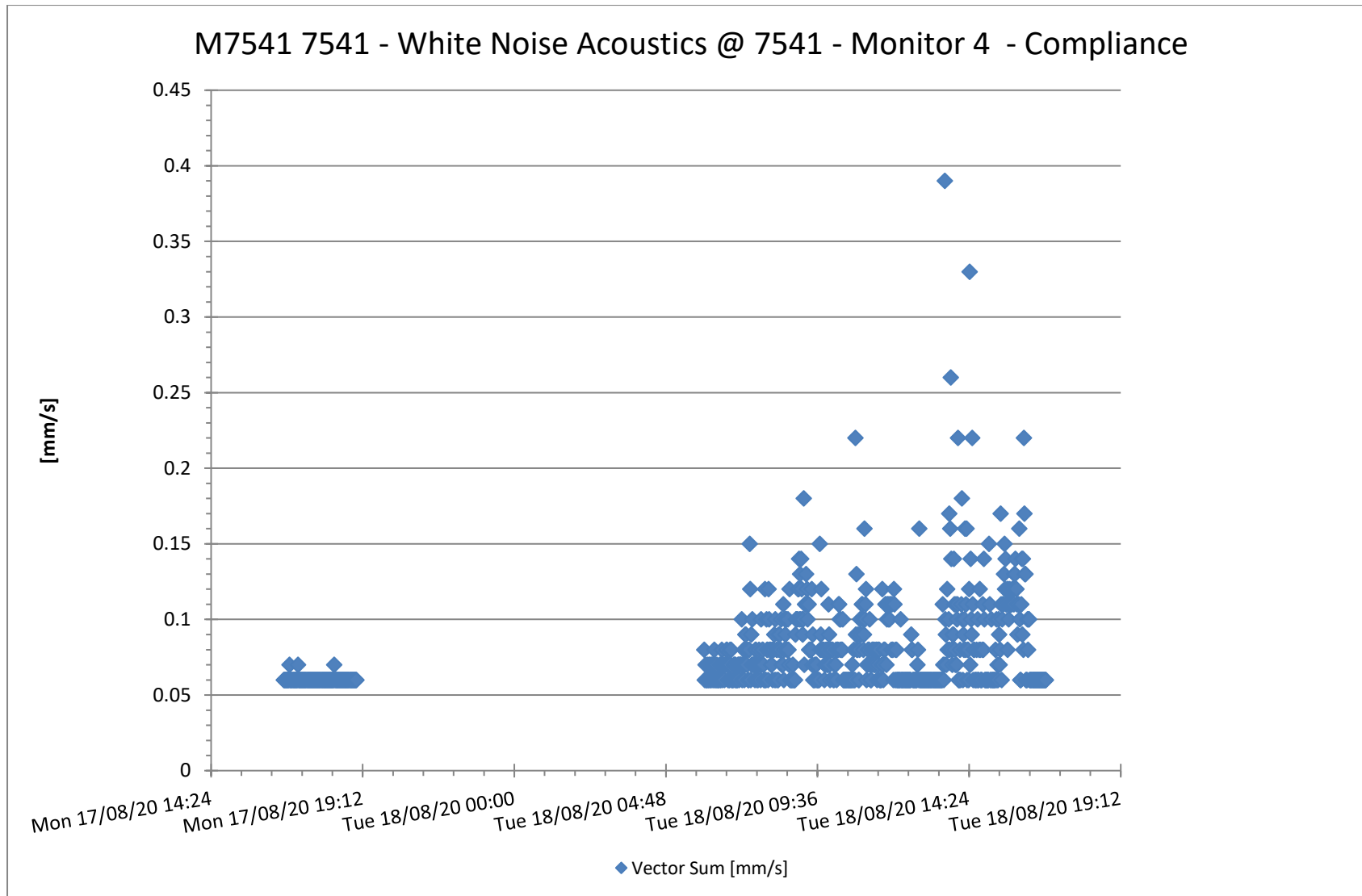




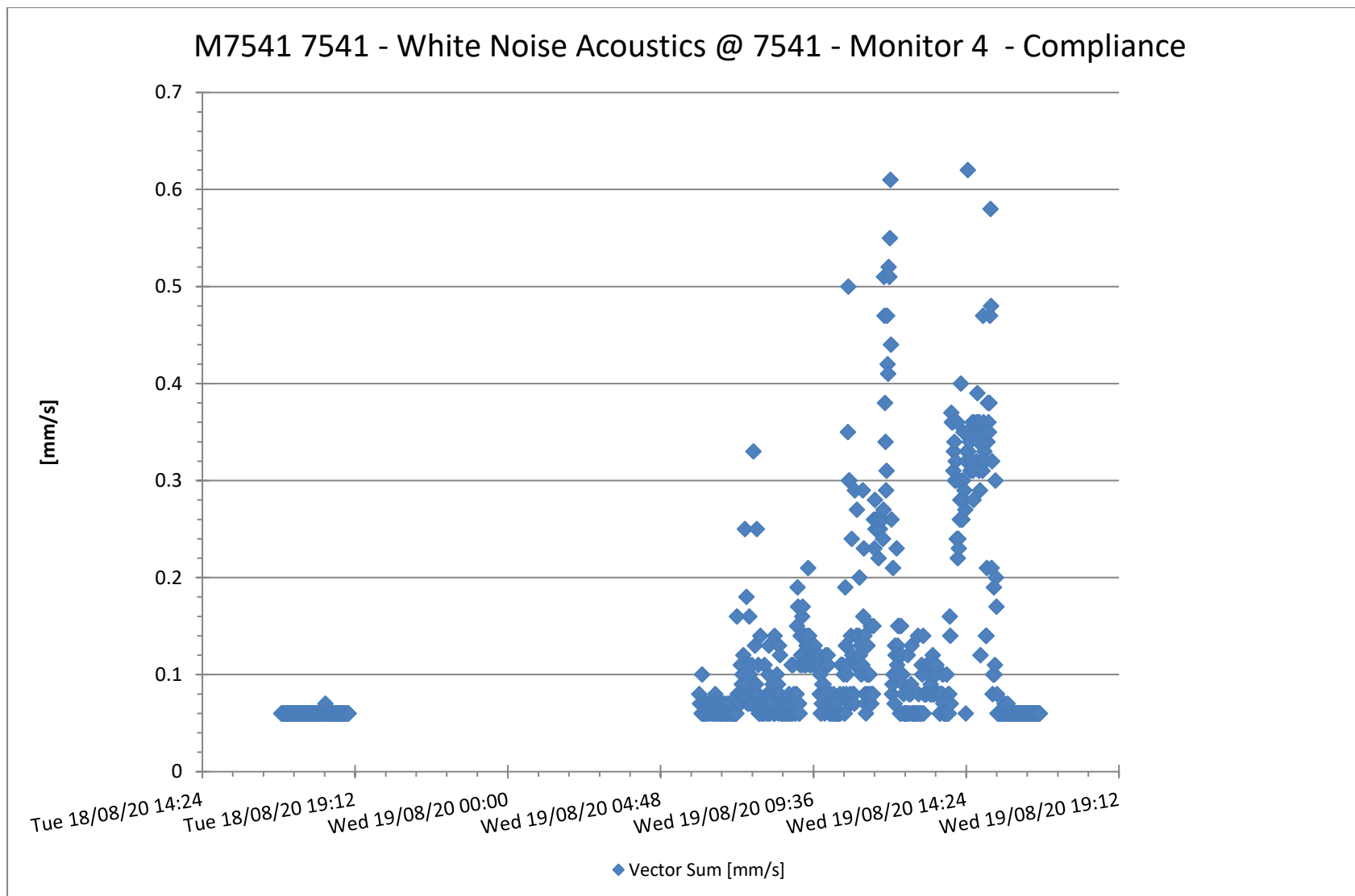
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



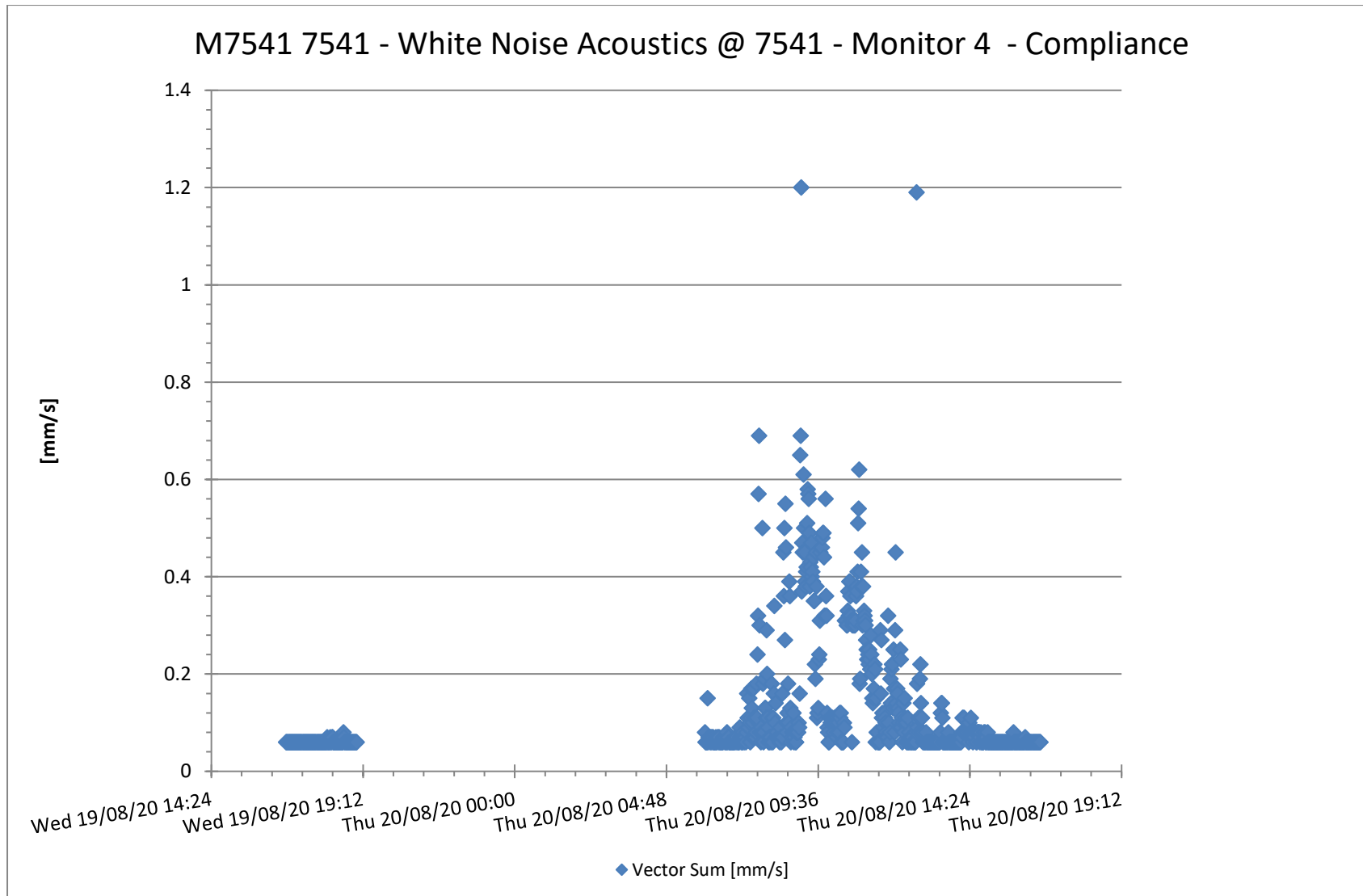
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



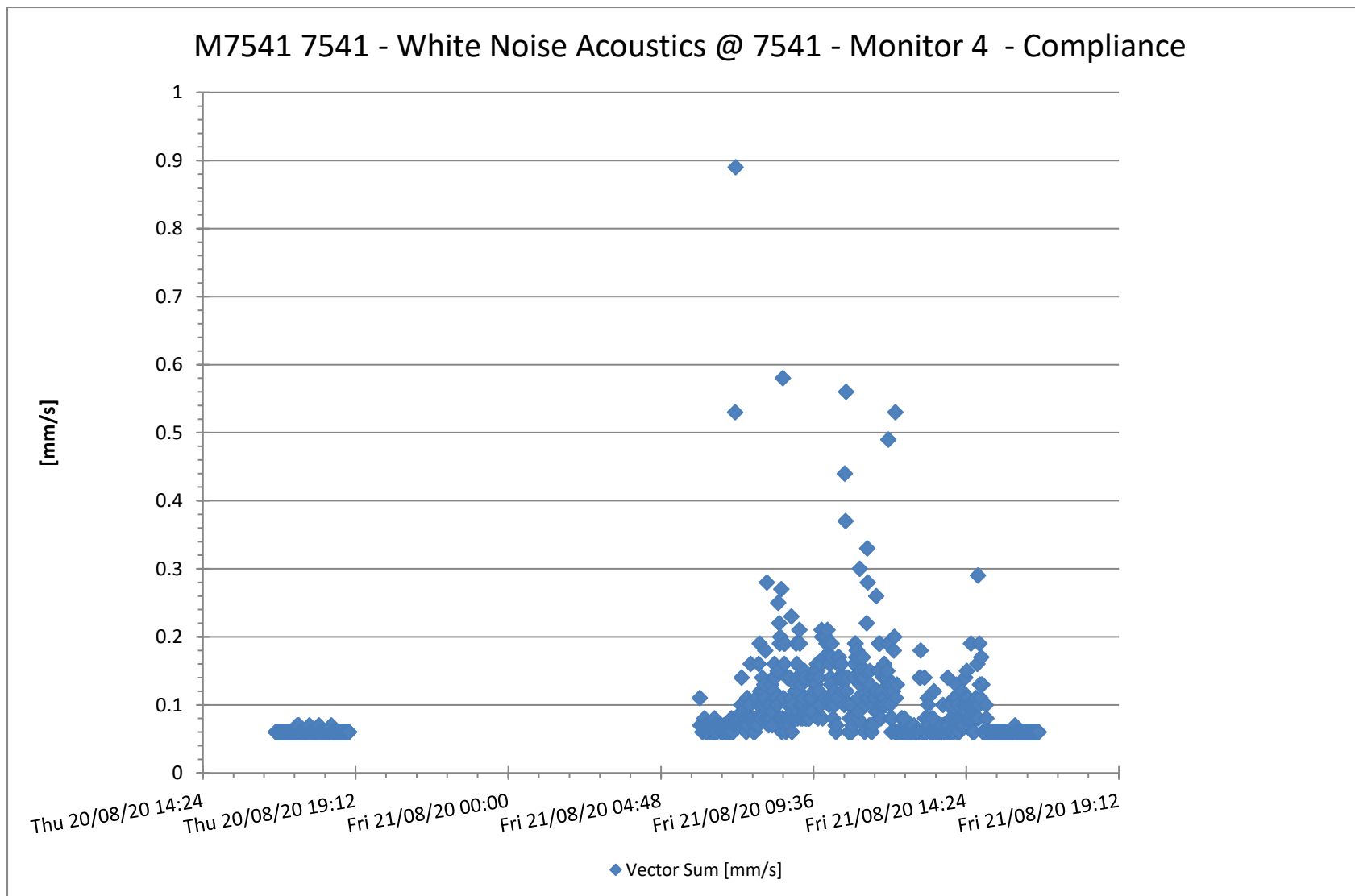
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



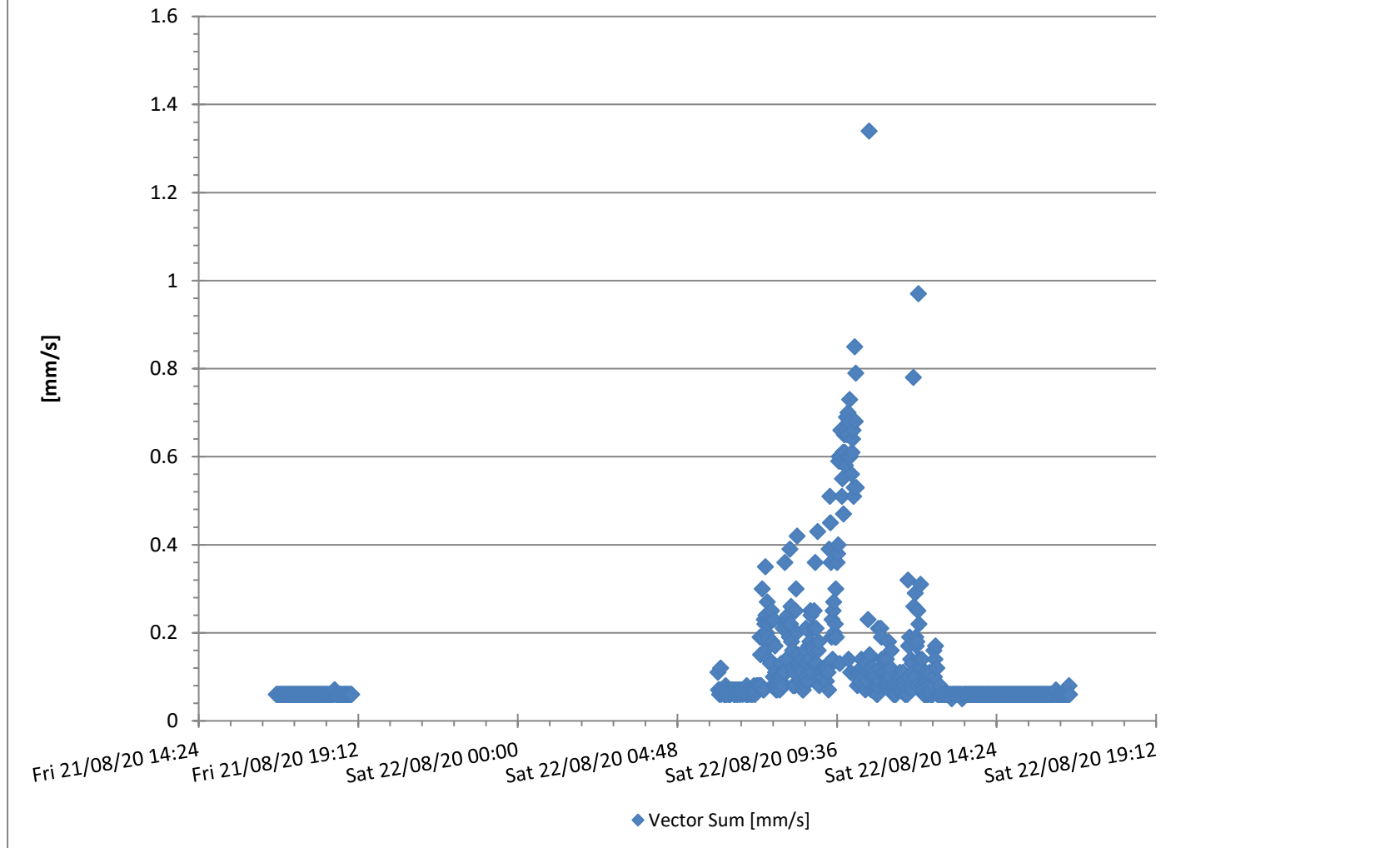
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



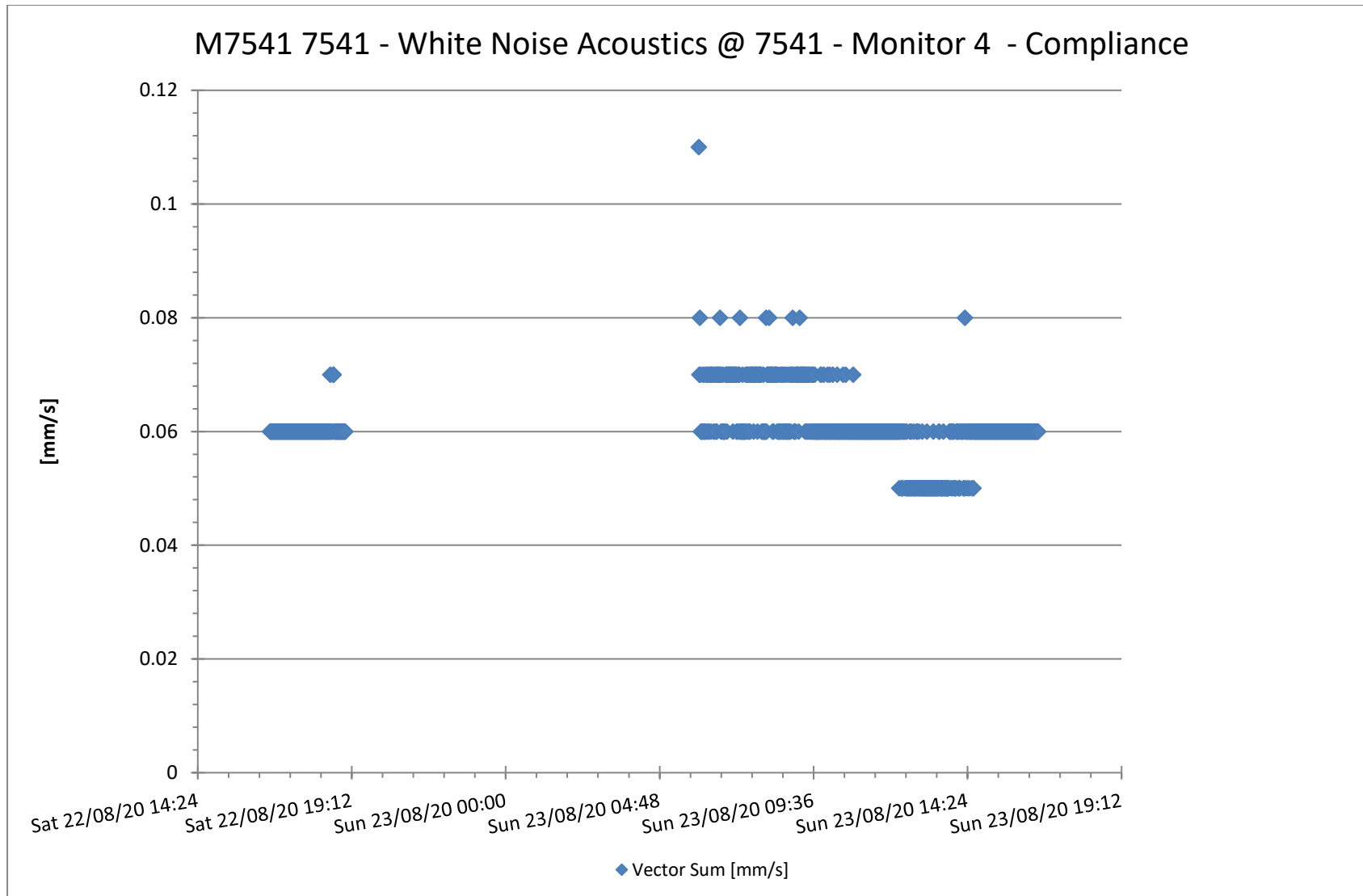
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



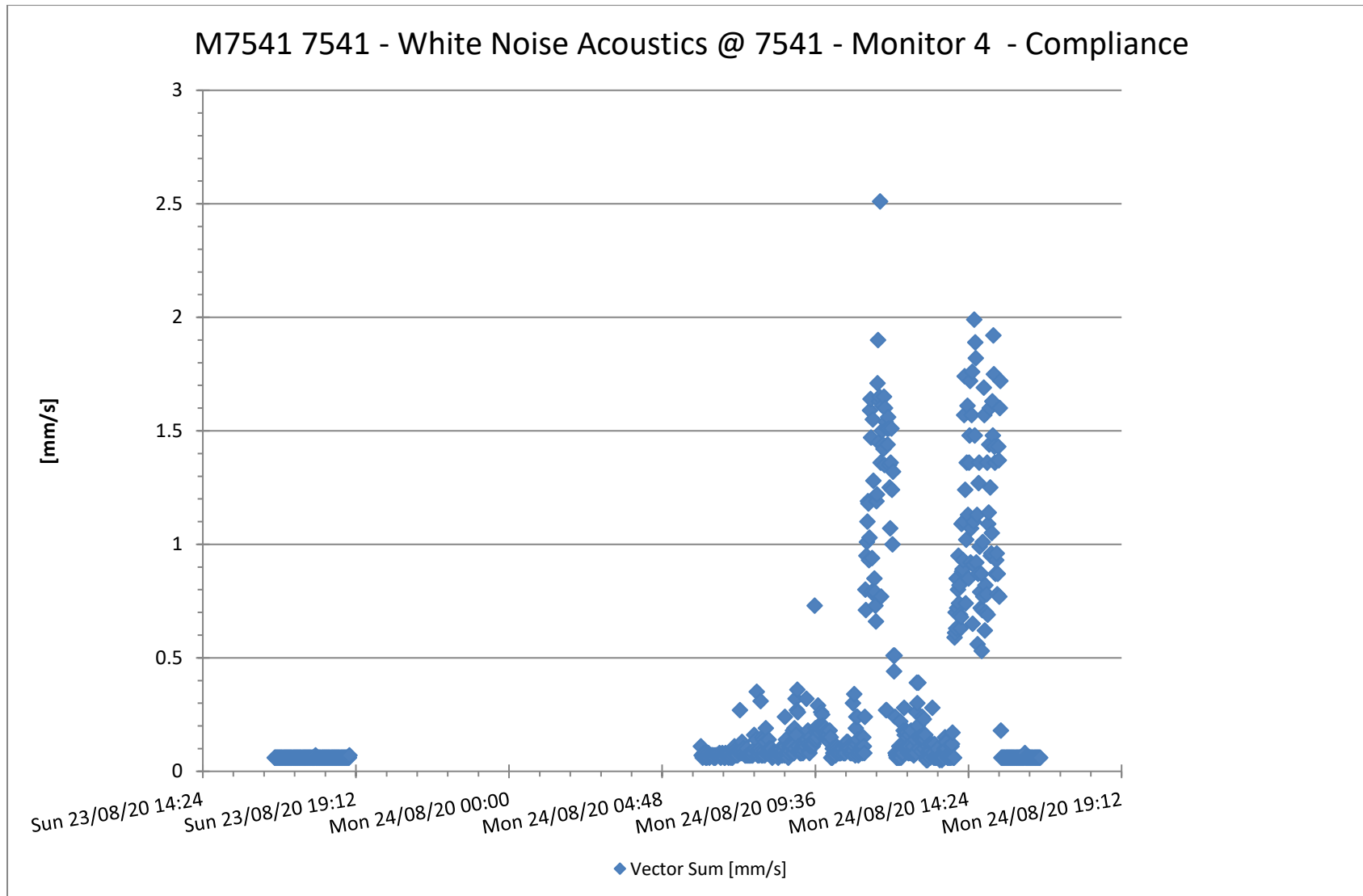
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



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

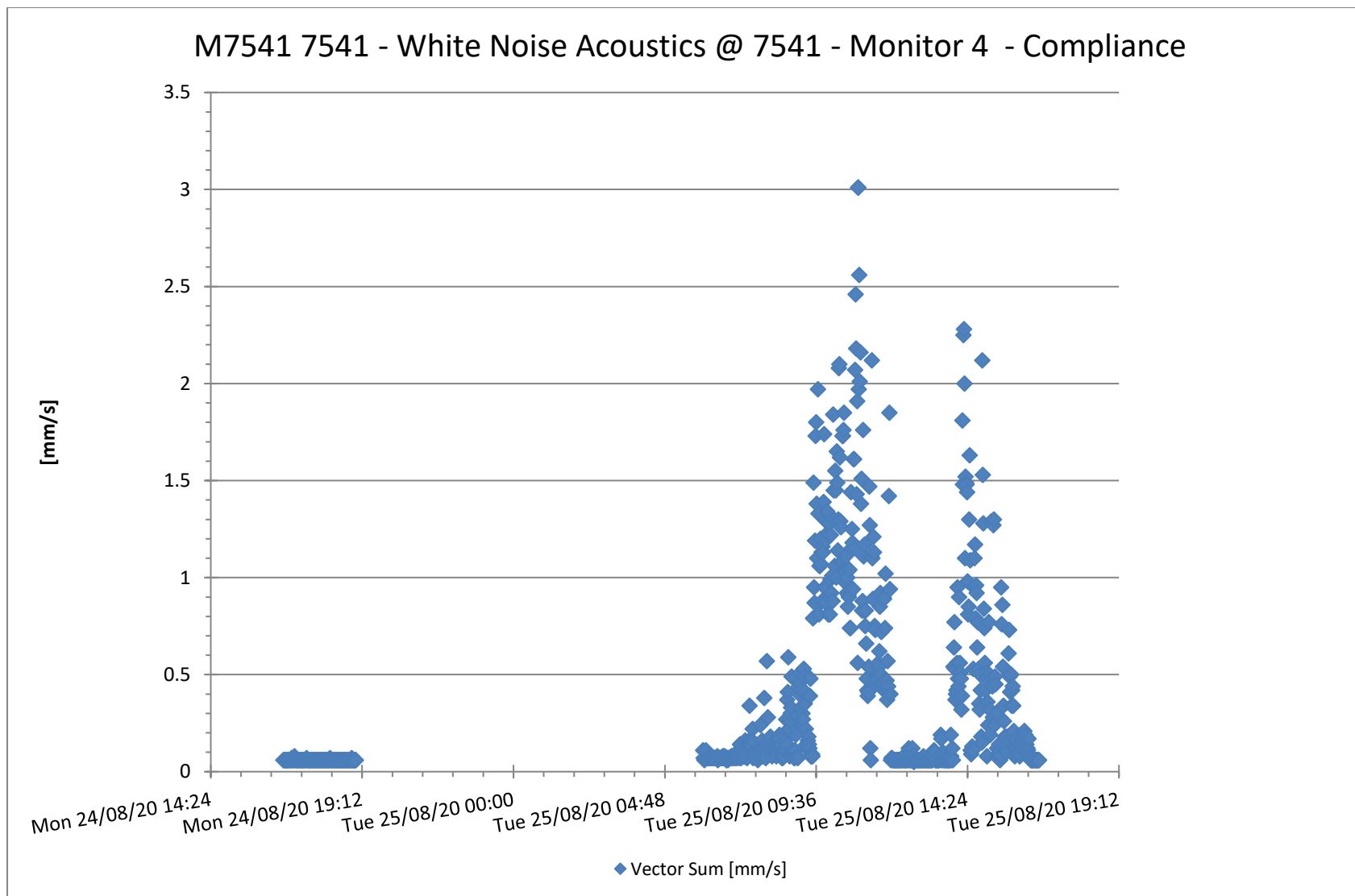


### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance

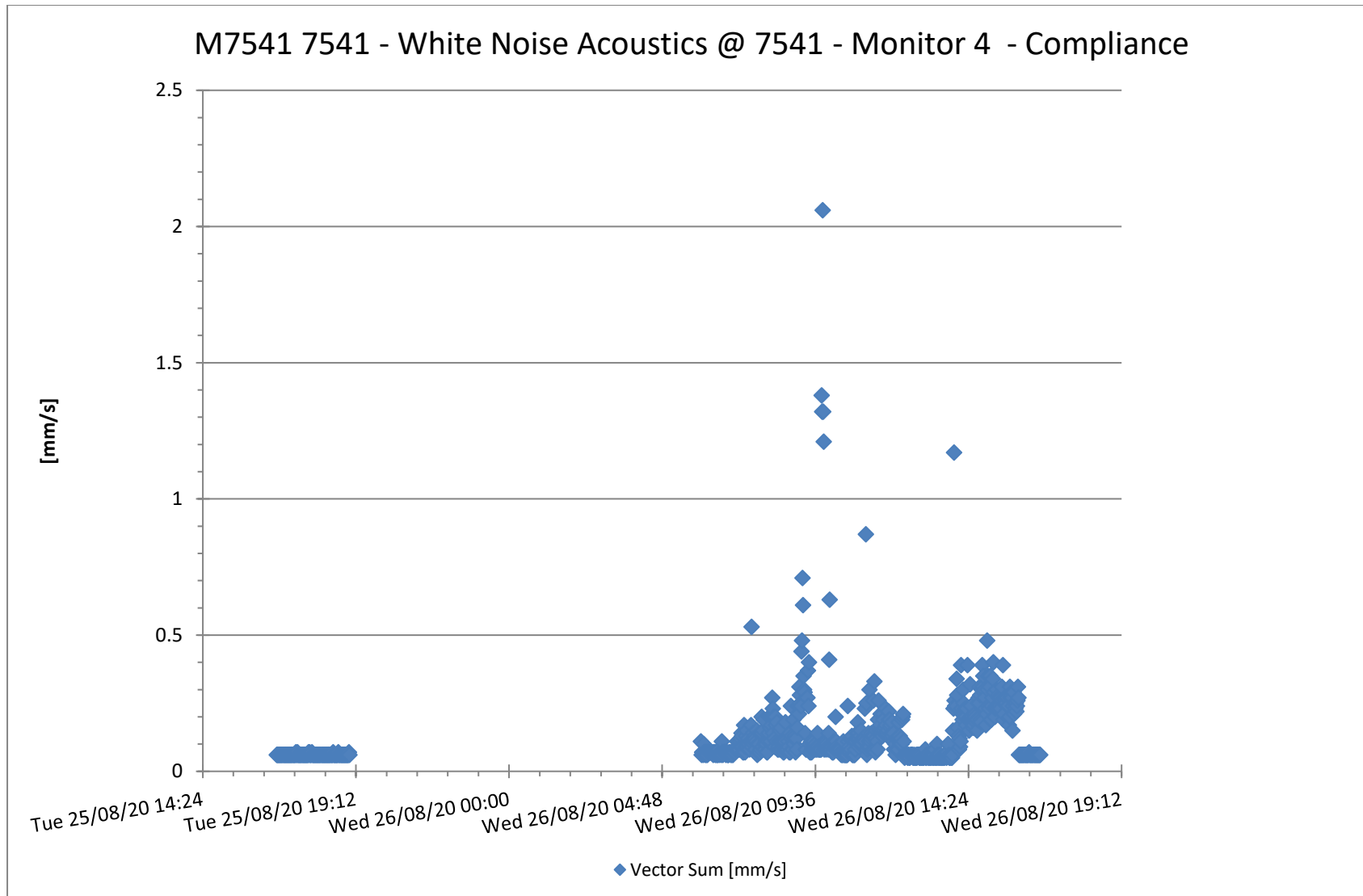




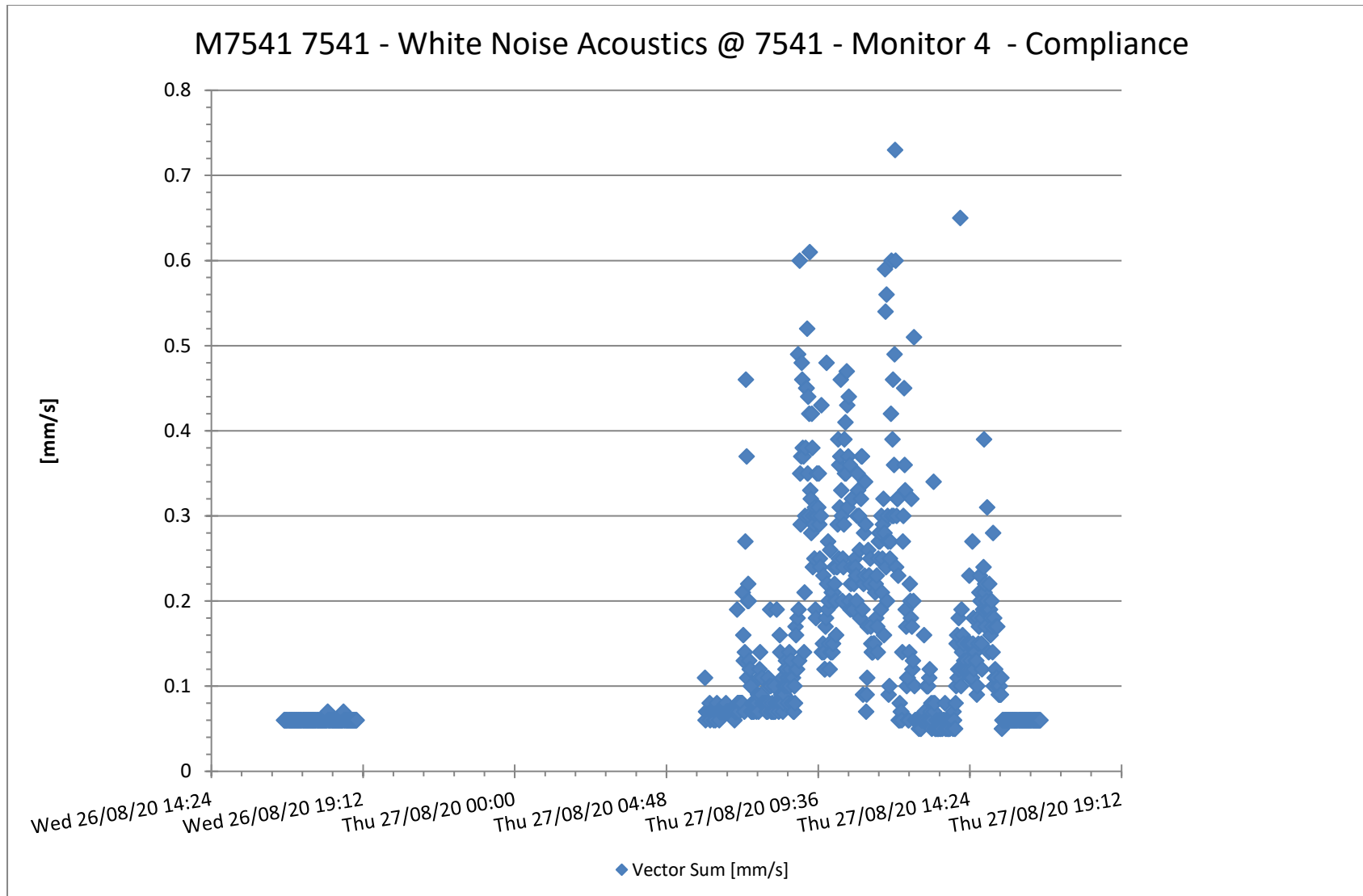
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



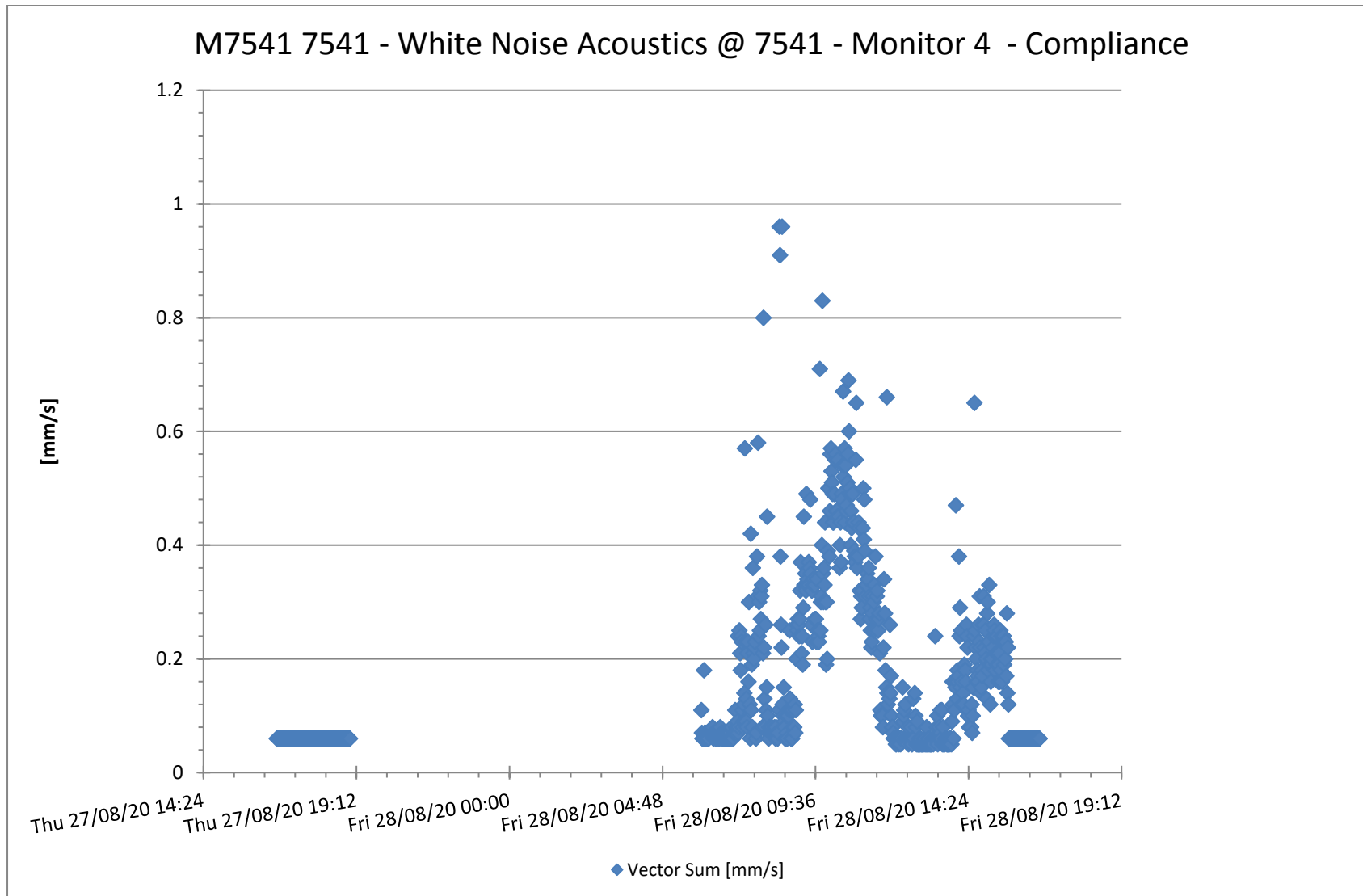
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



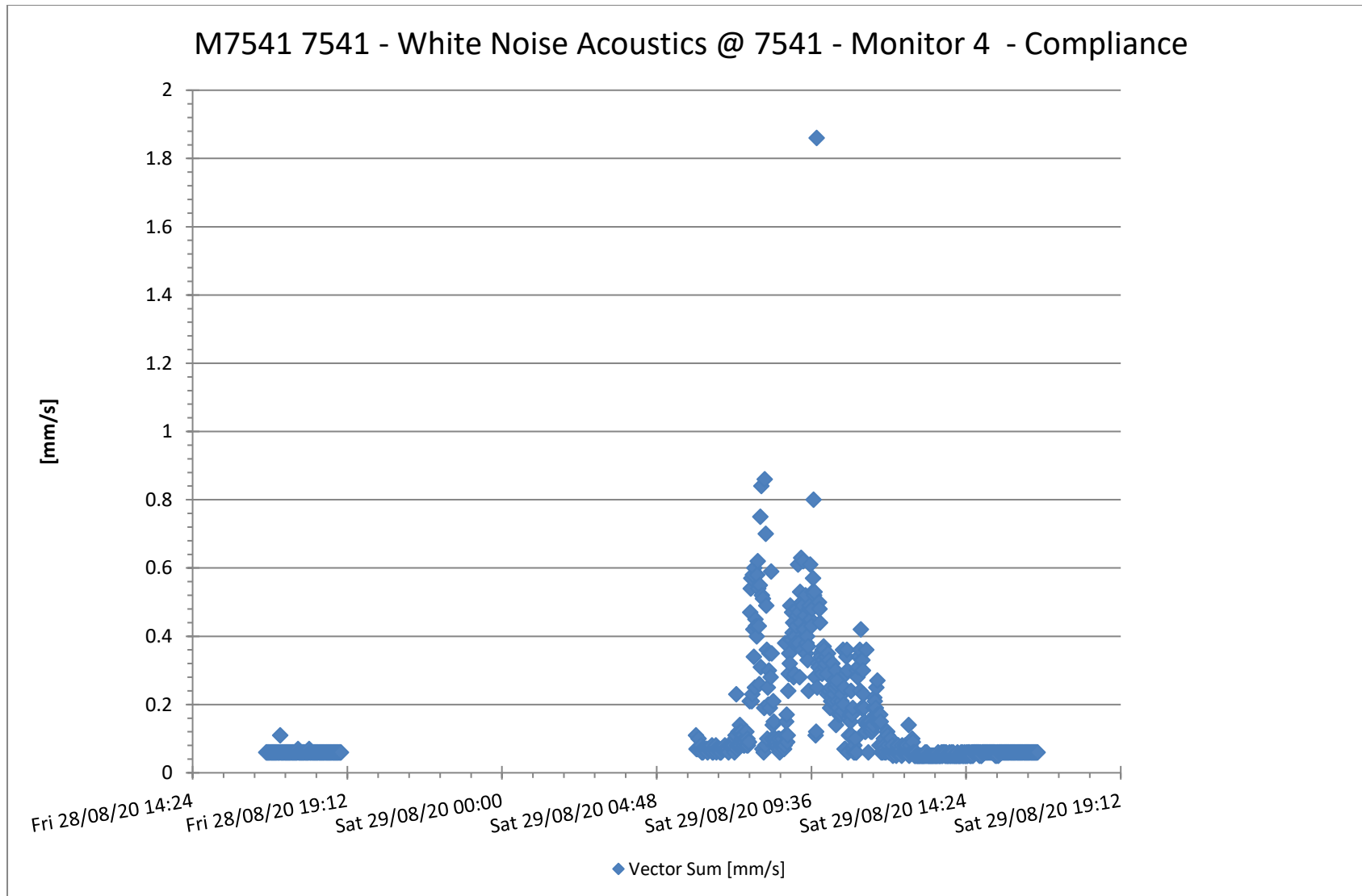
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



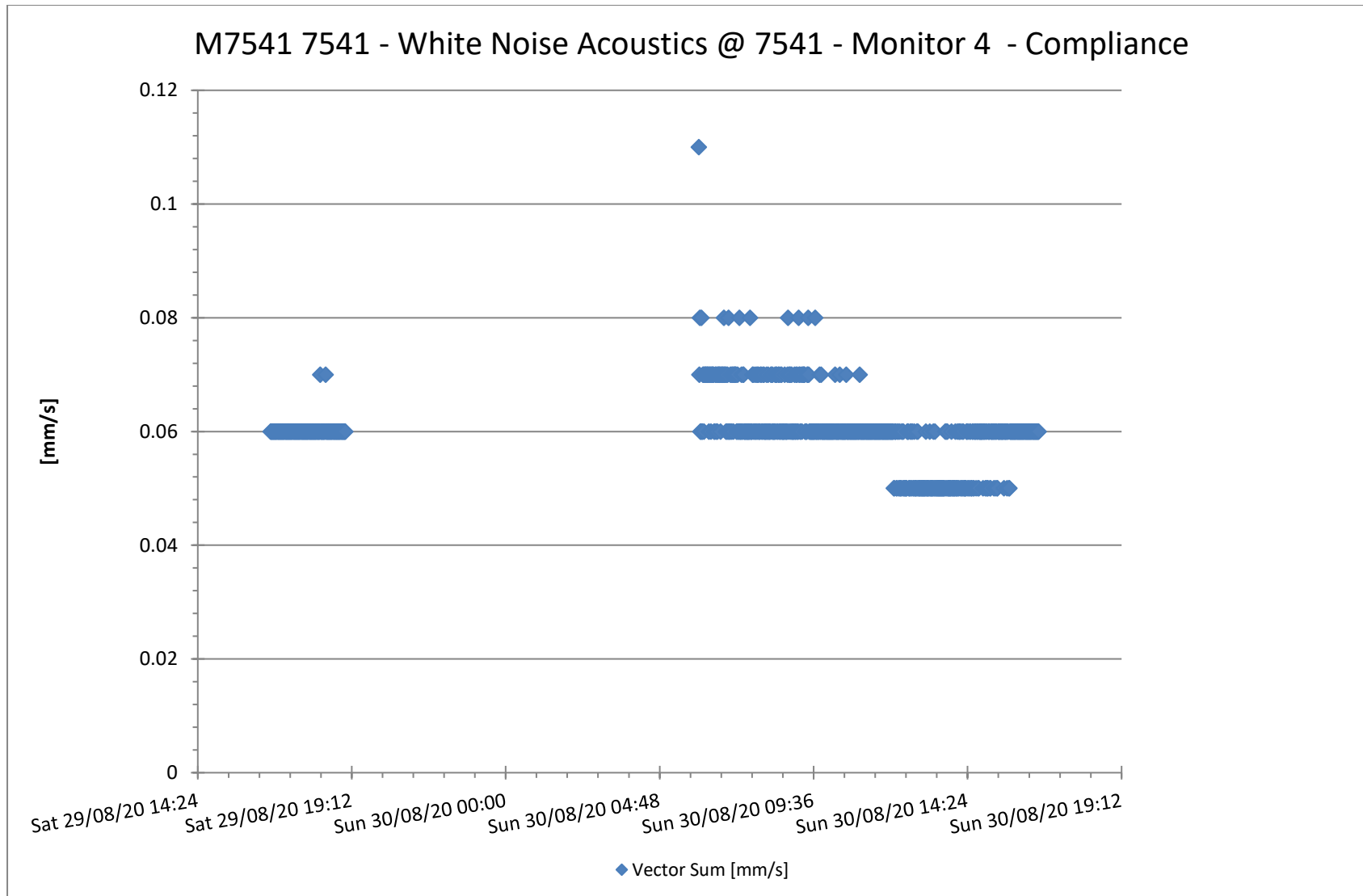
### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



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

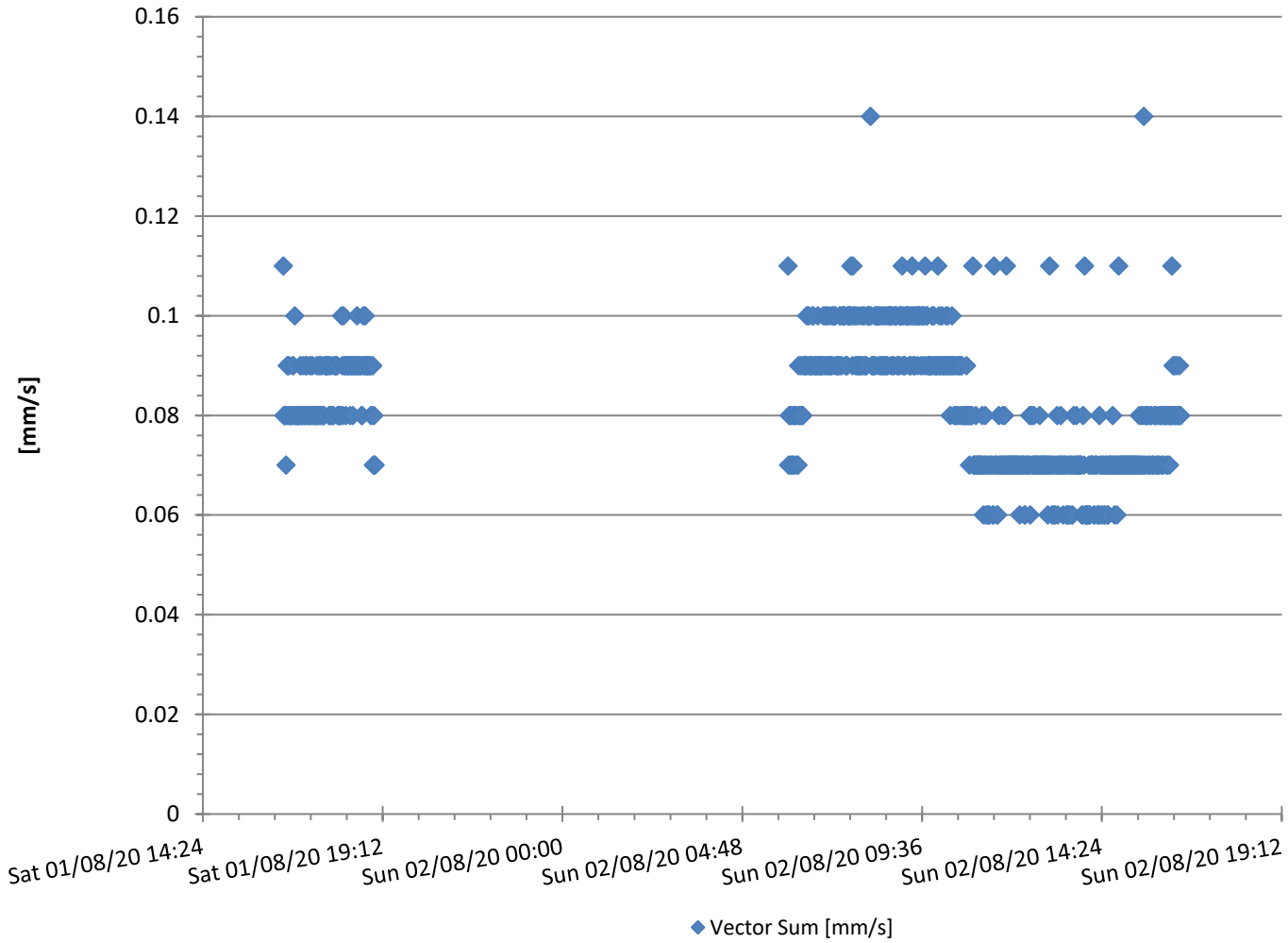


### M7541 7541 - White Noise Acoustics @ 7541 - Monitor 4 - Compliance



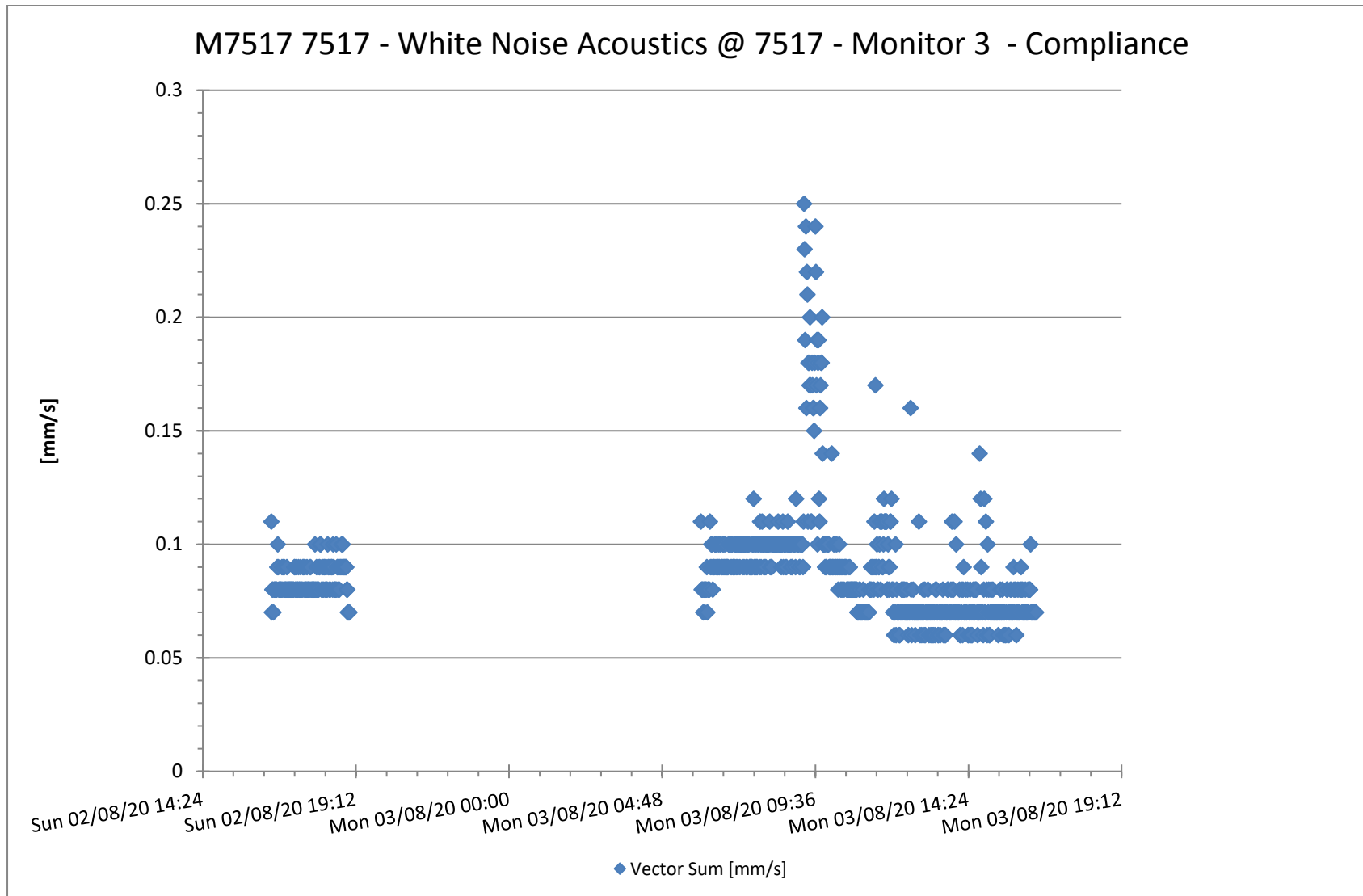
## **11 Appendix E –Logger Location 4 – Monitor M7517**

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

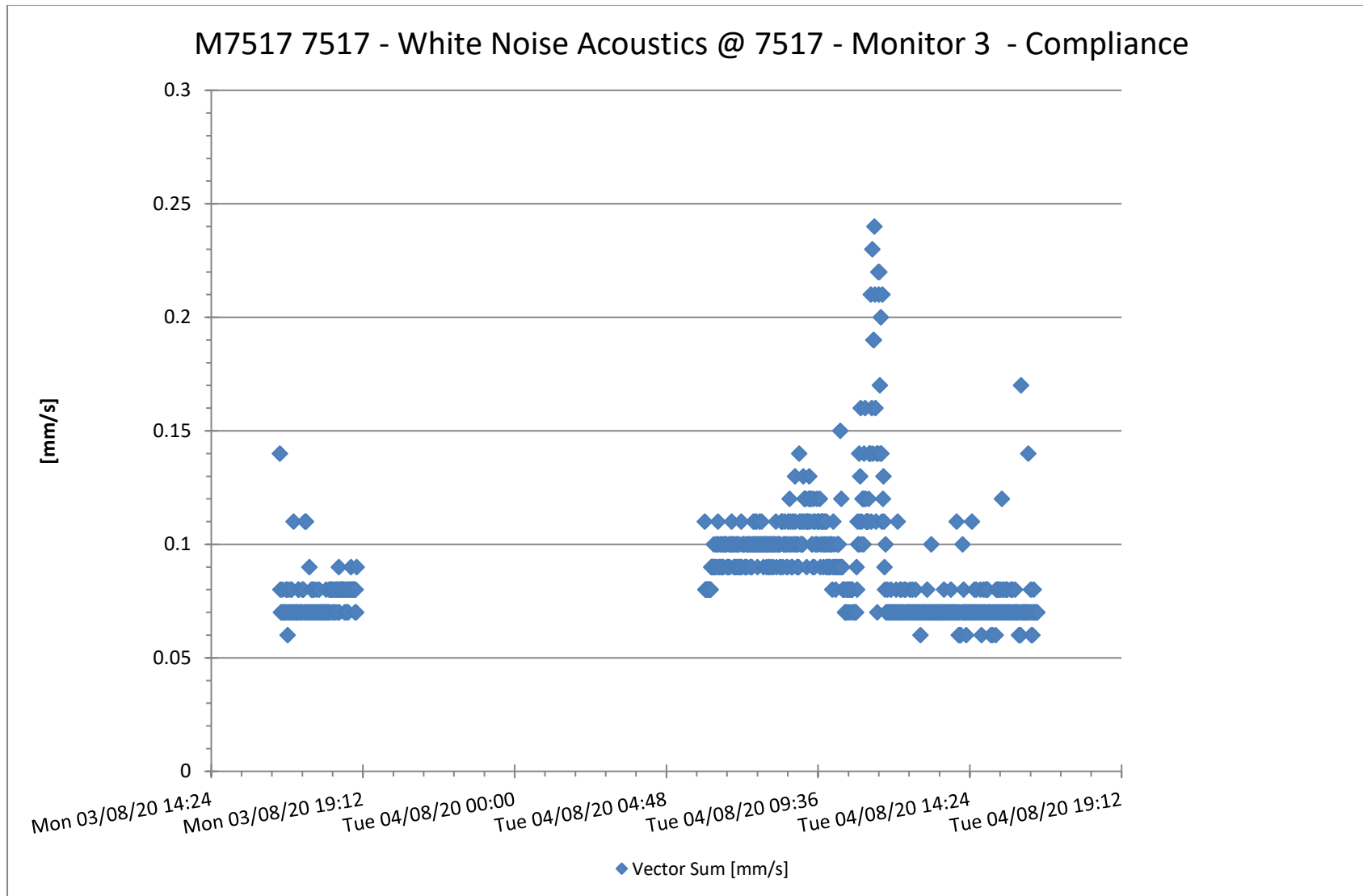




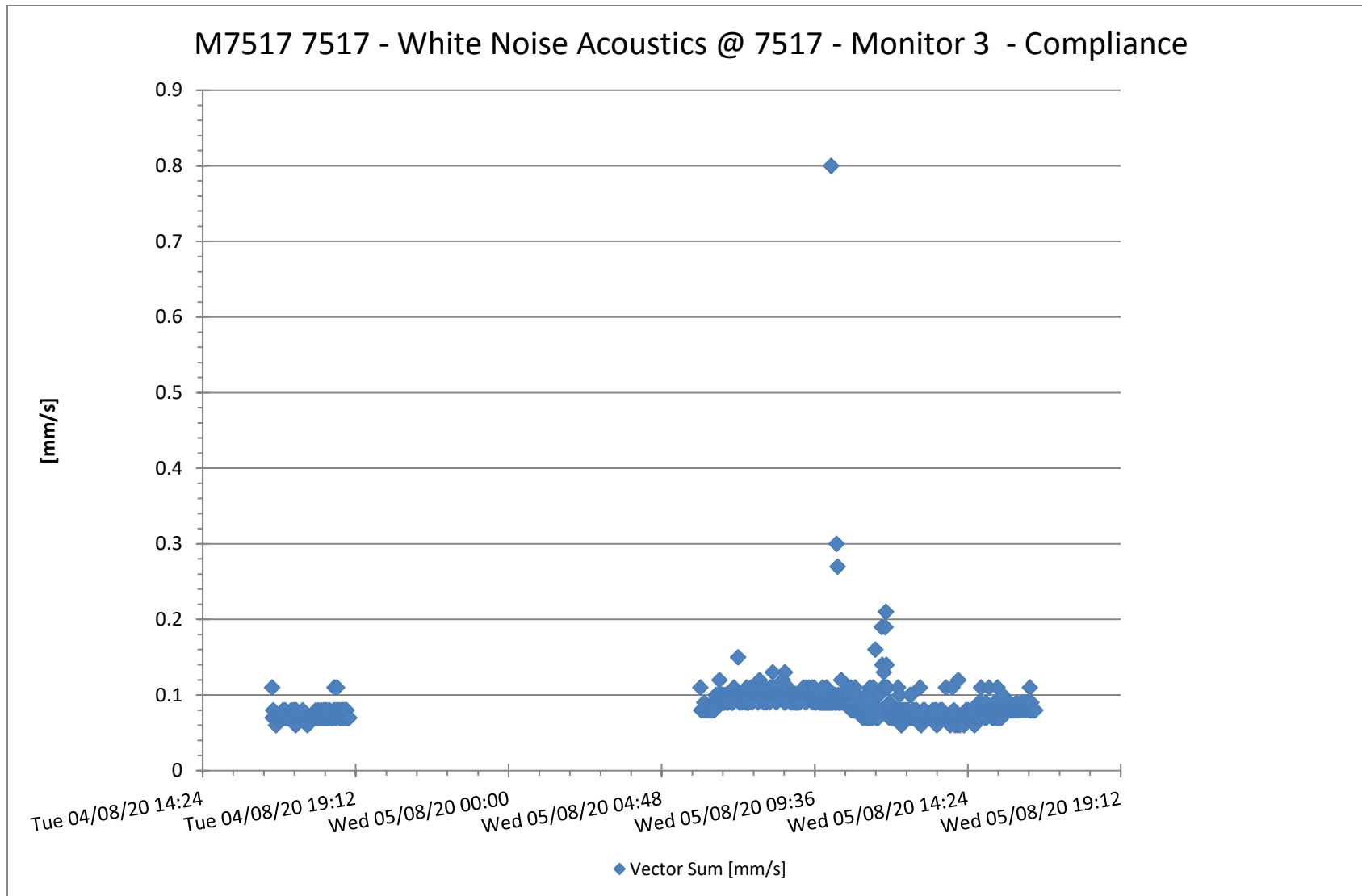
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



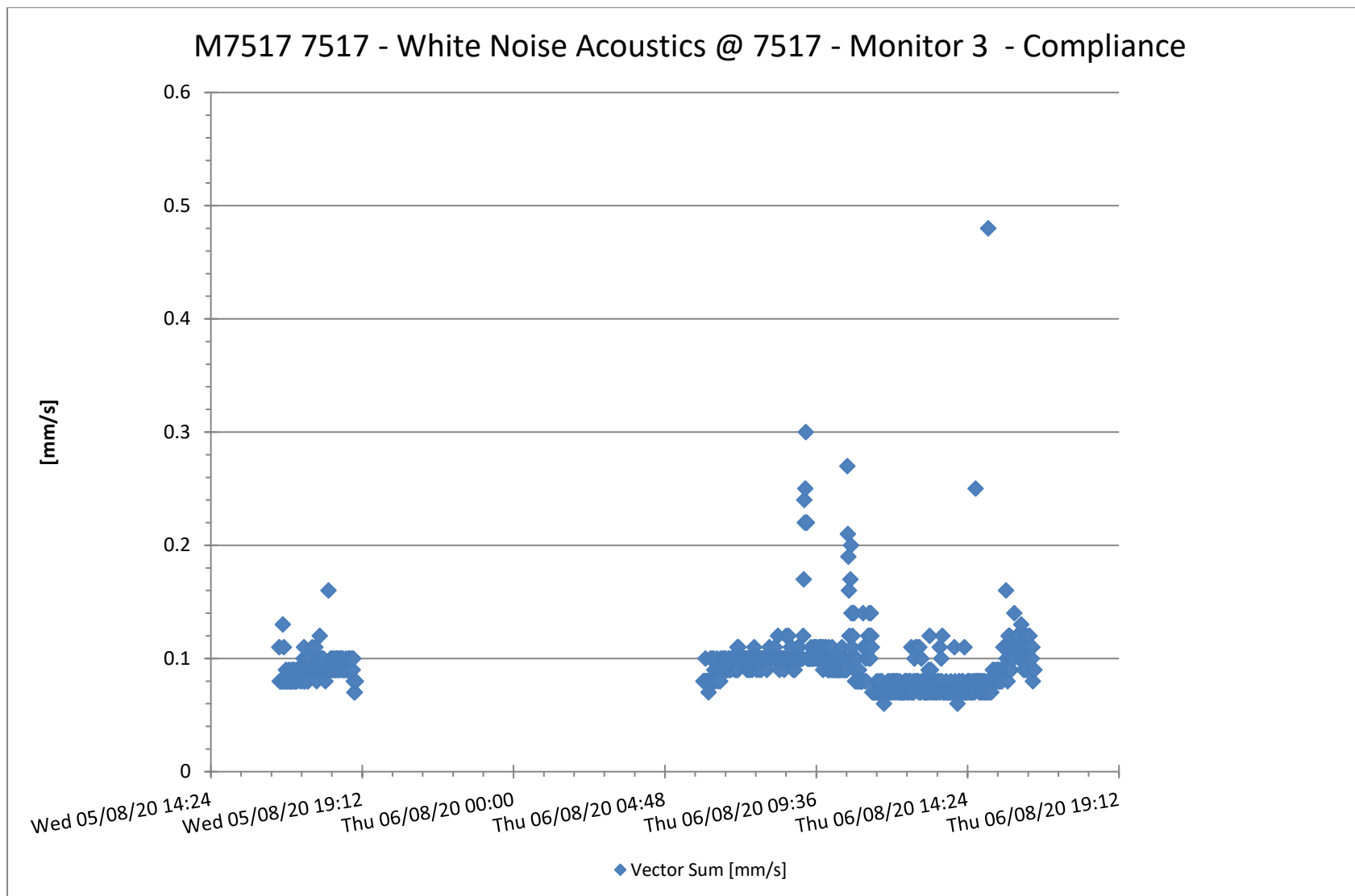
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



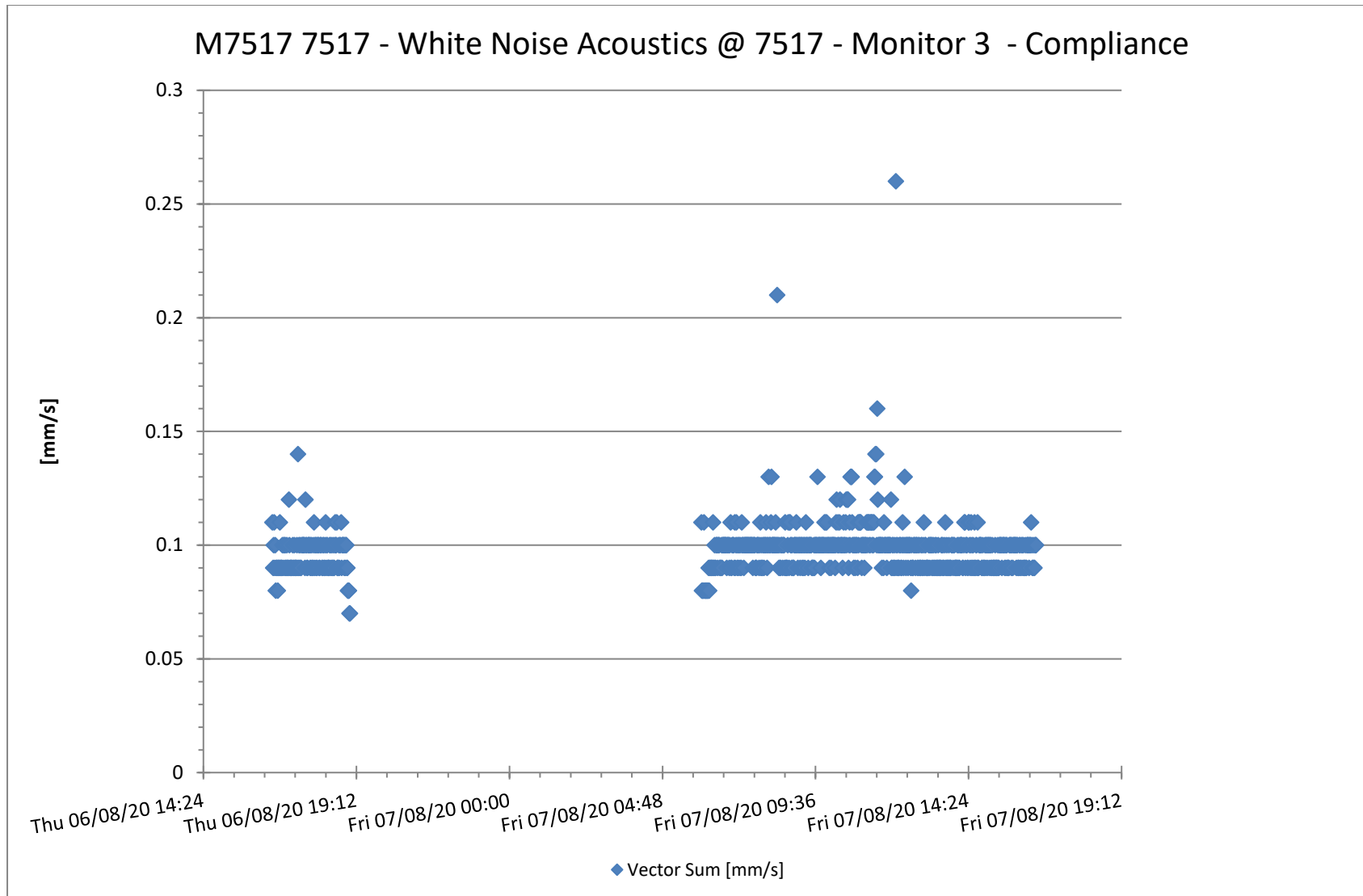
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



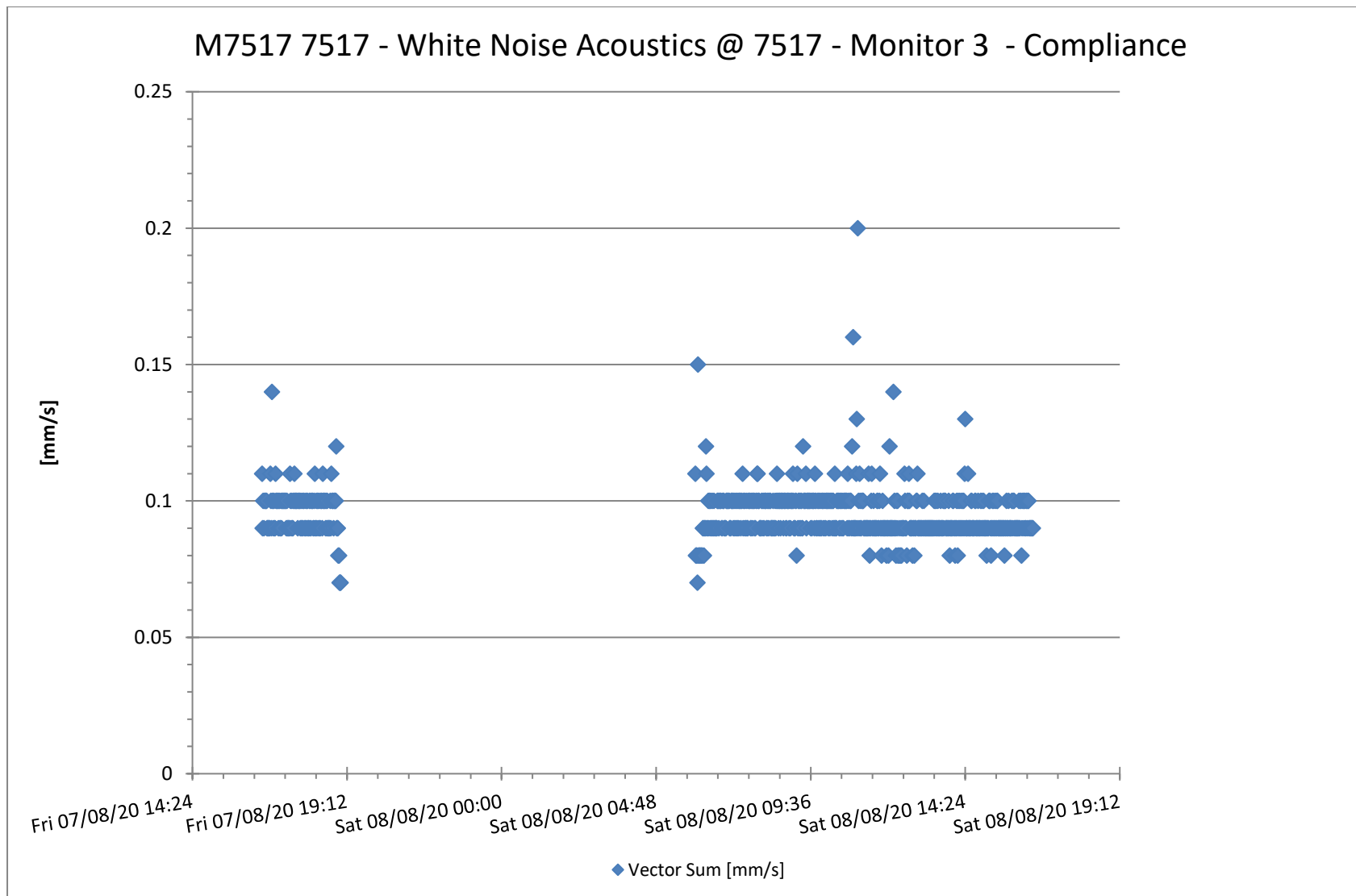
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

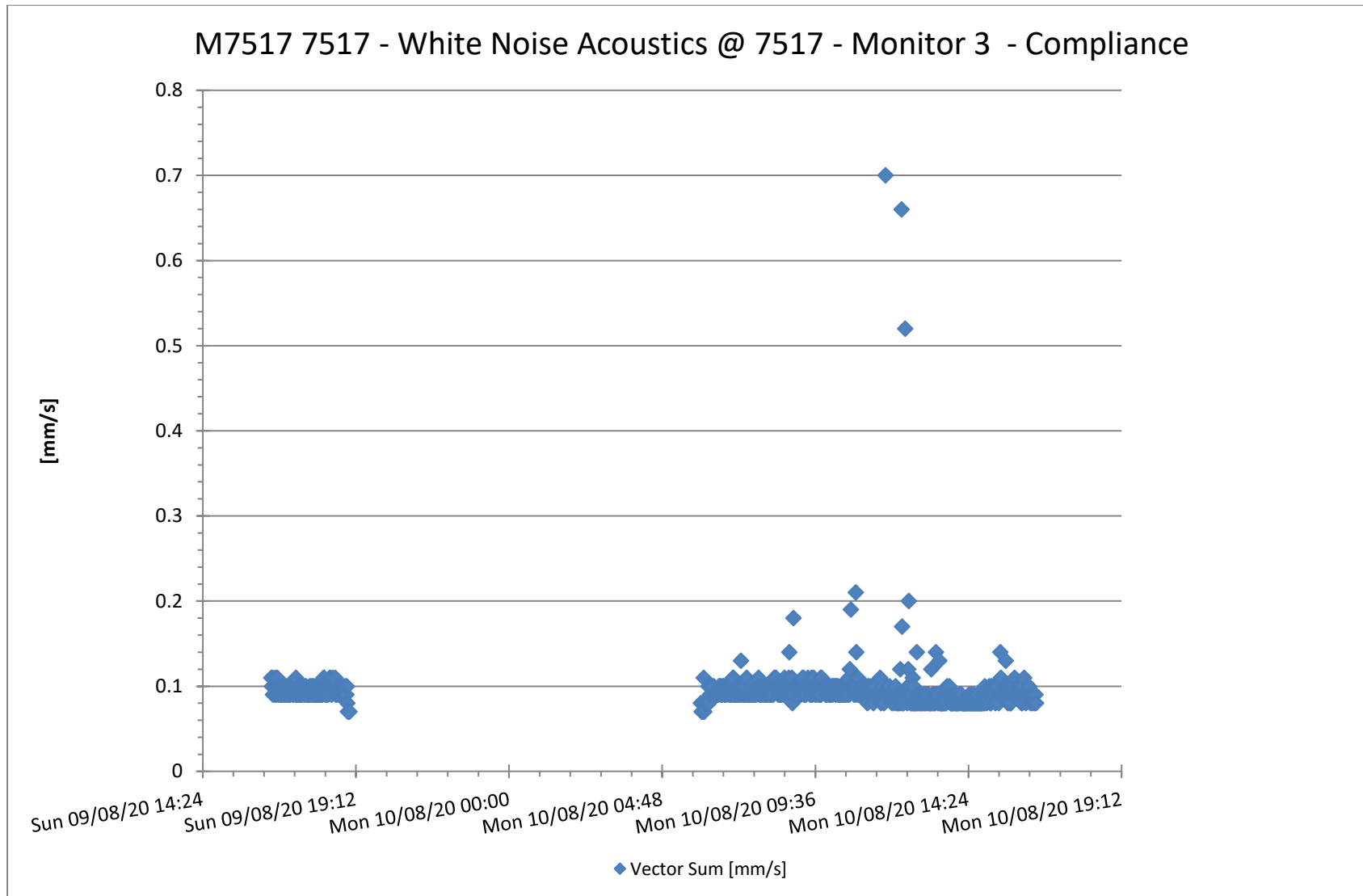


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



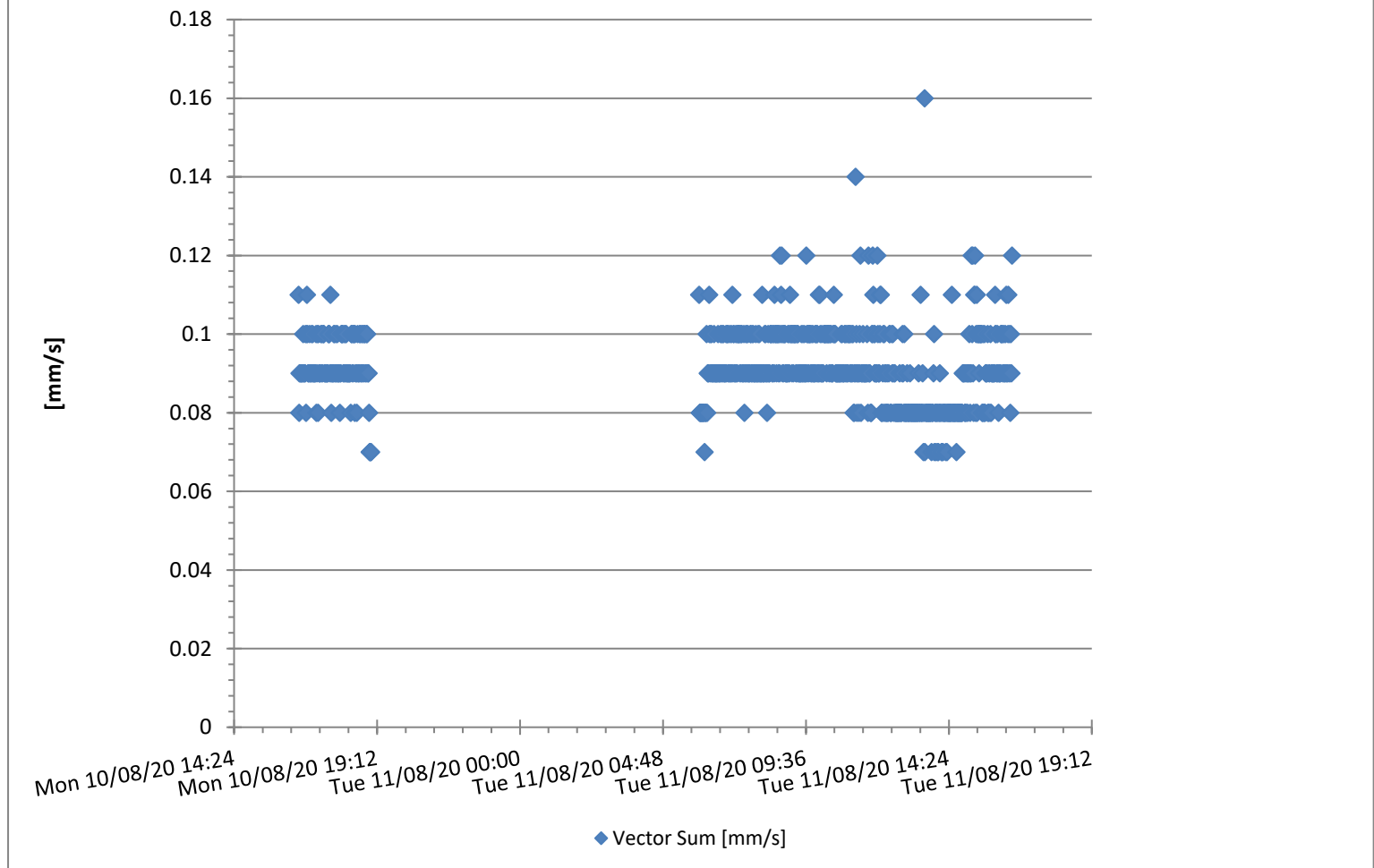


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

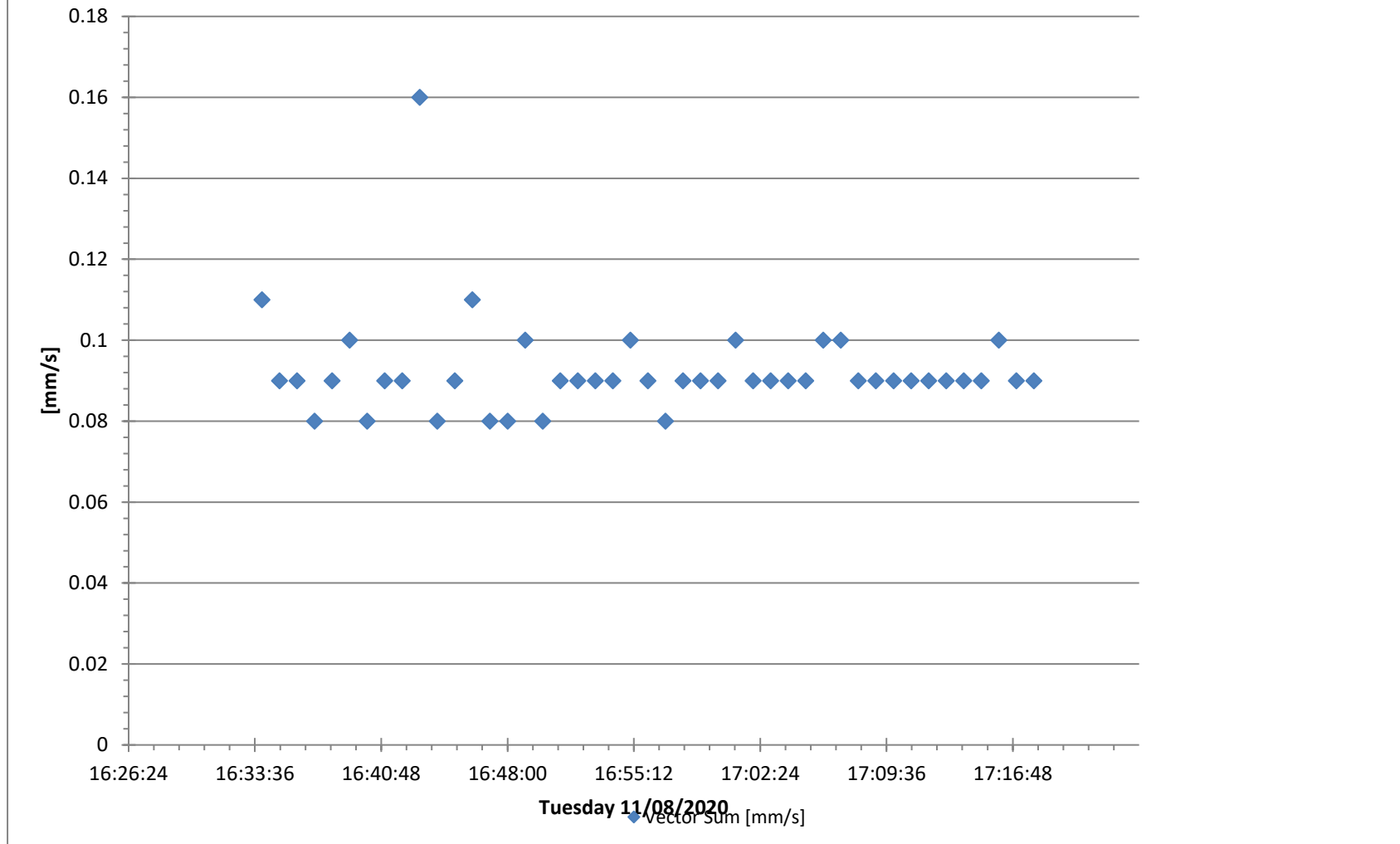




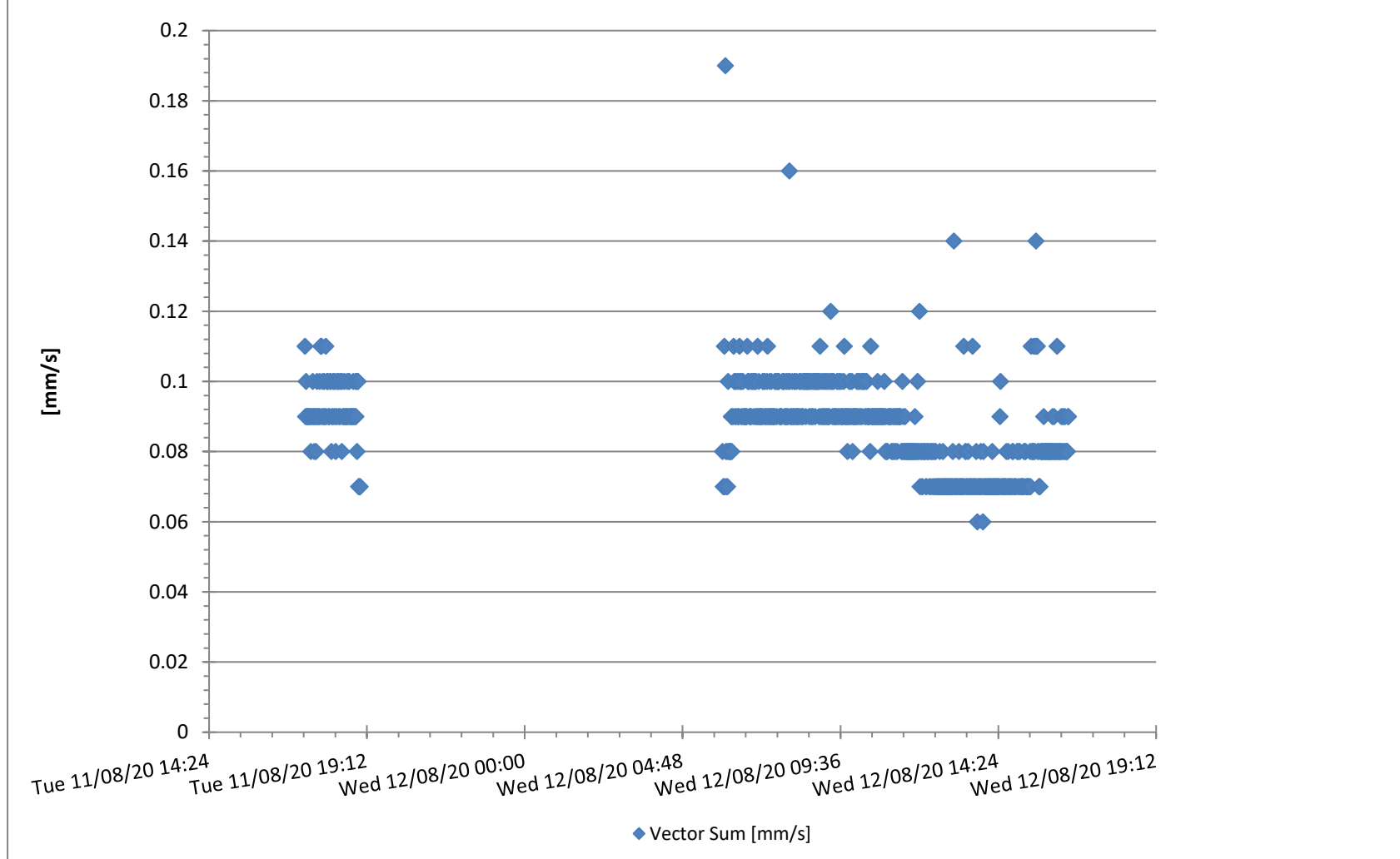
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



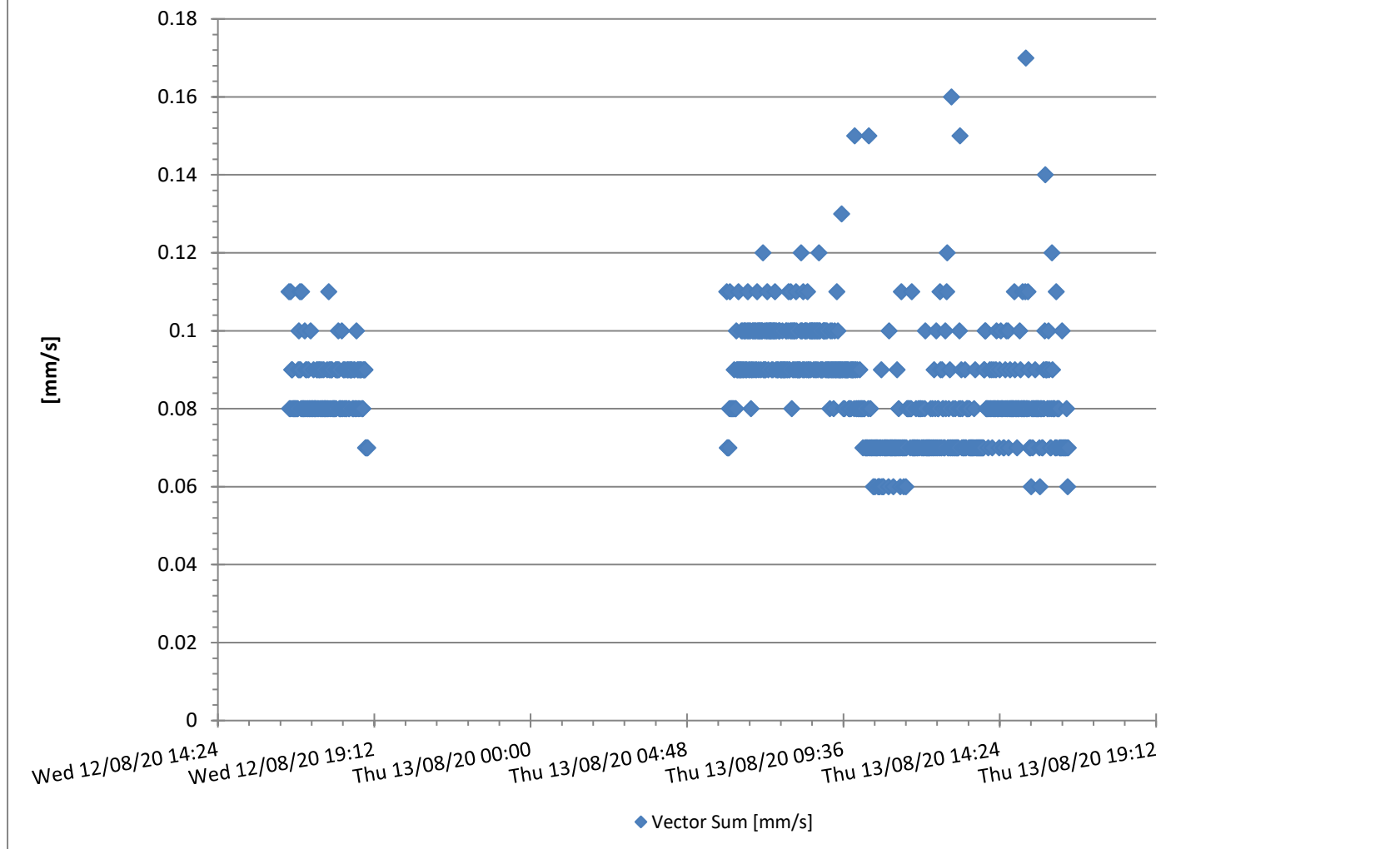
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



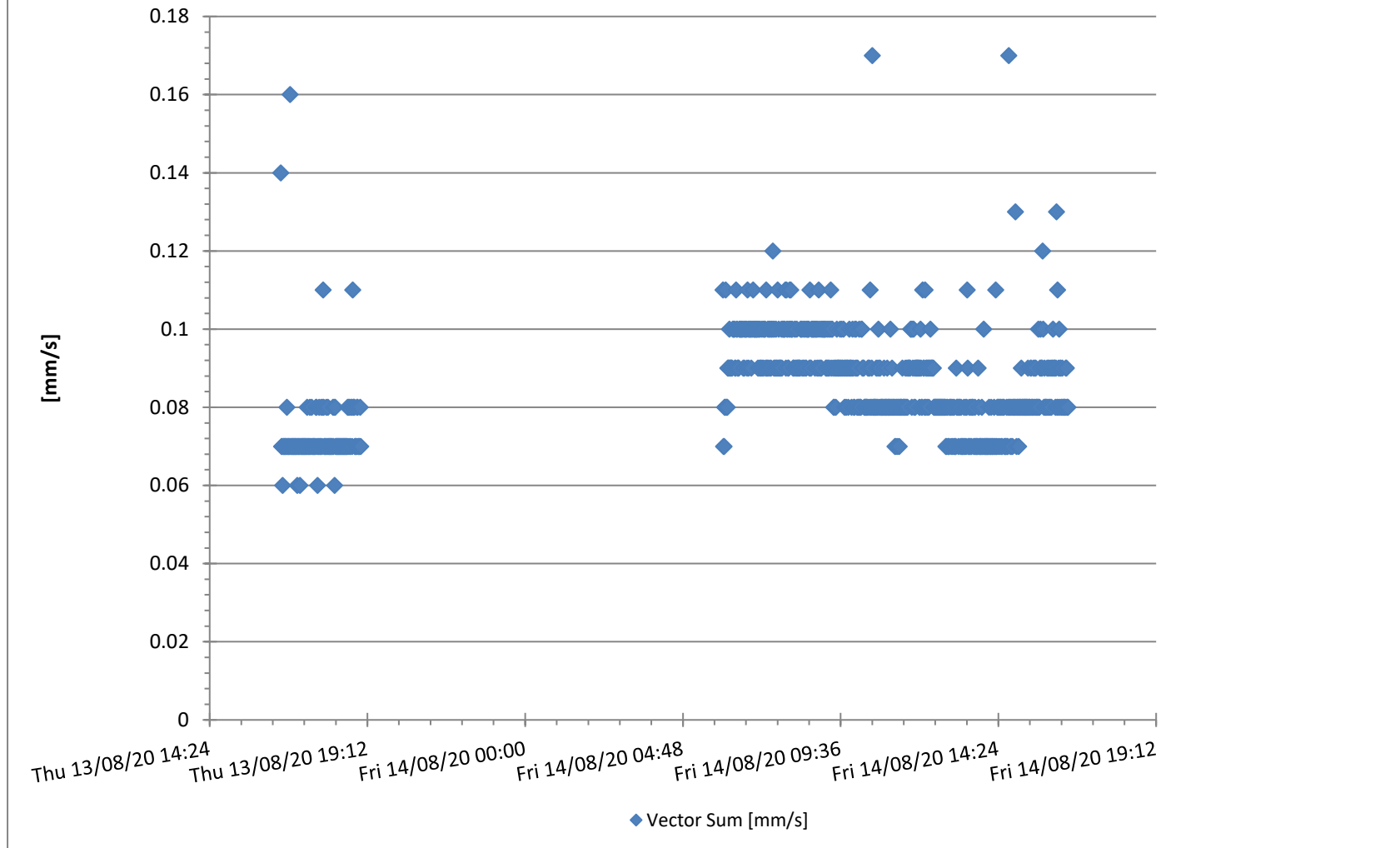
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



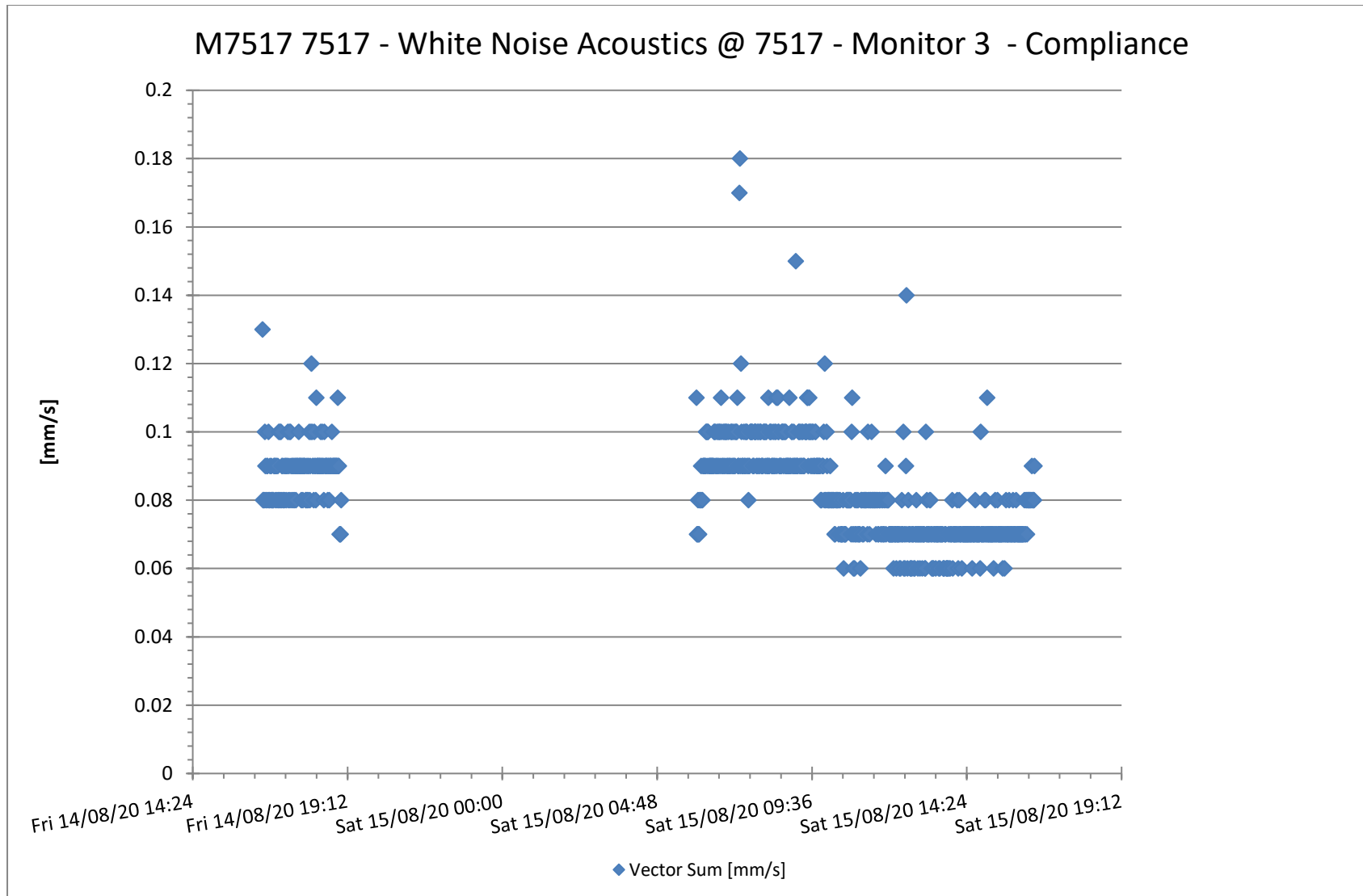
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

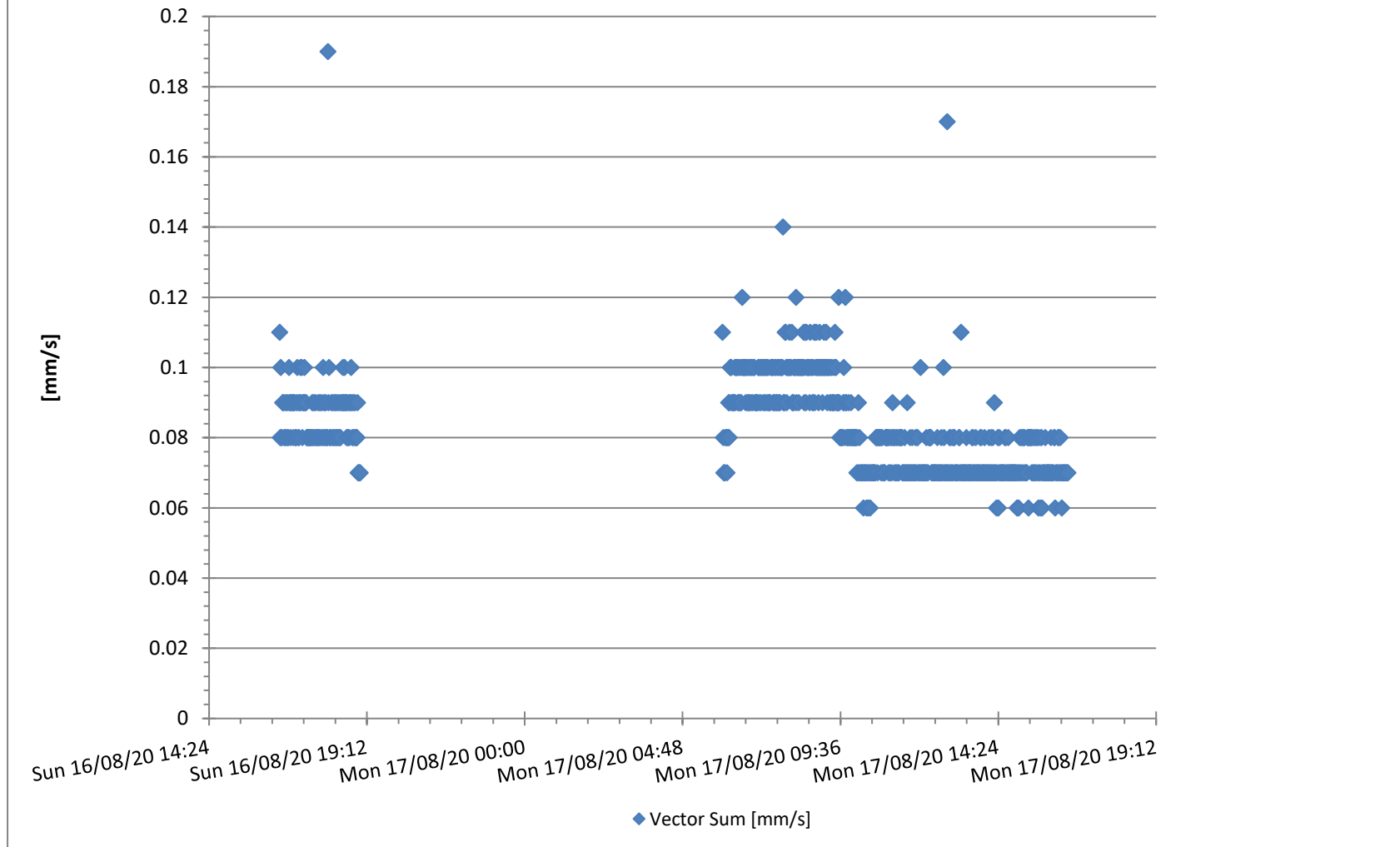


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



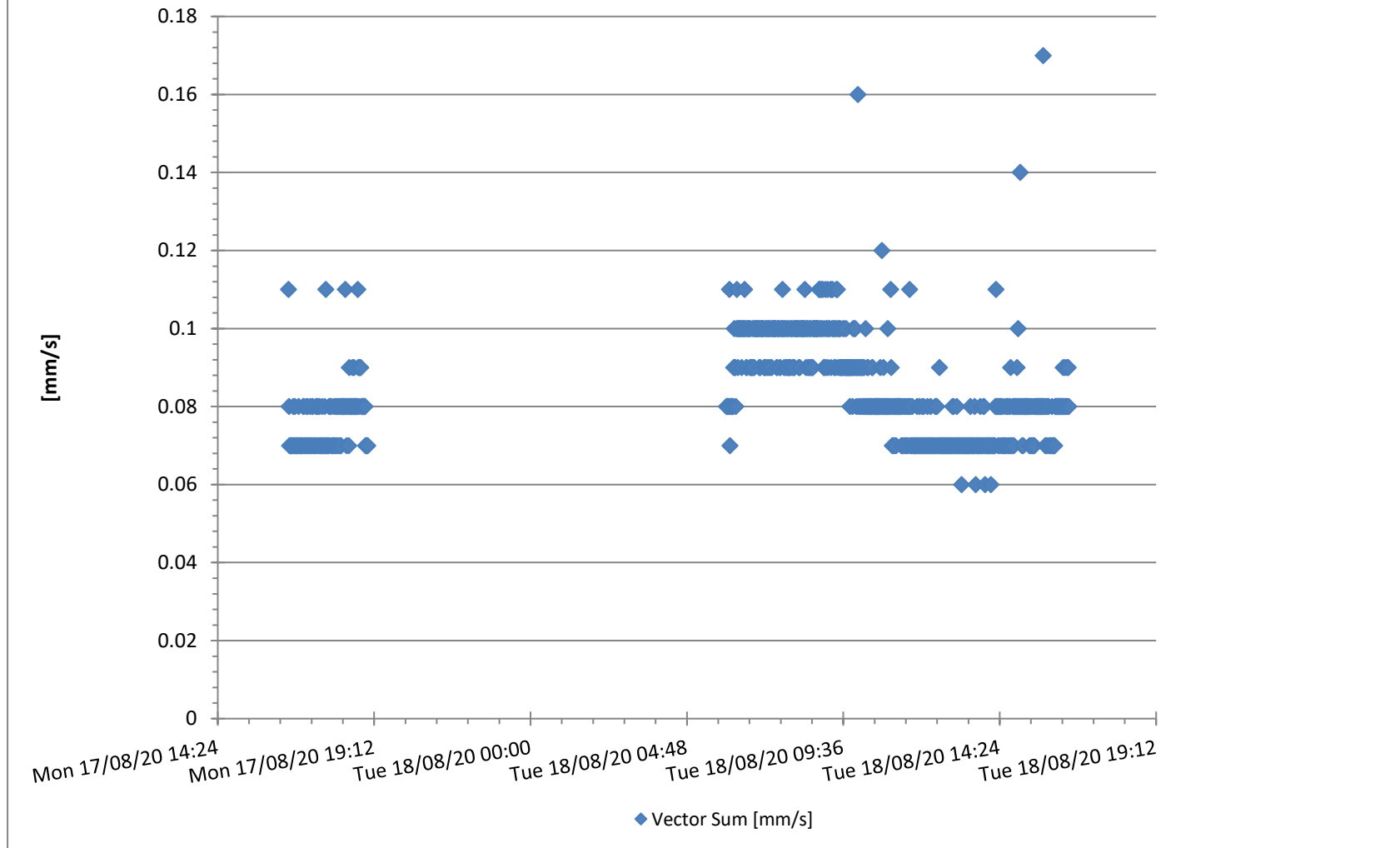


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

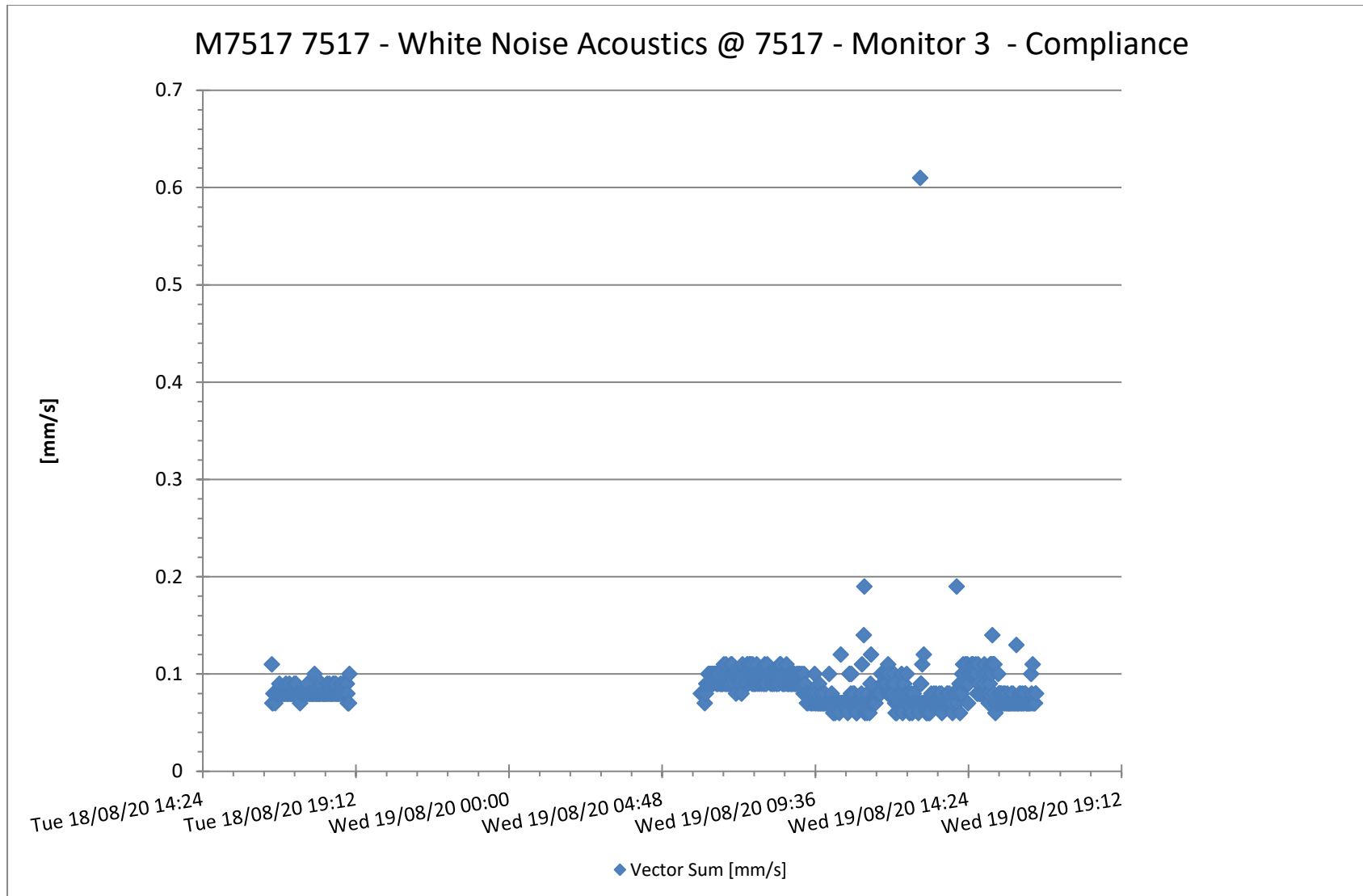




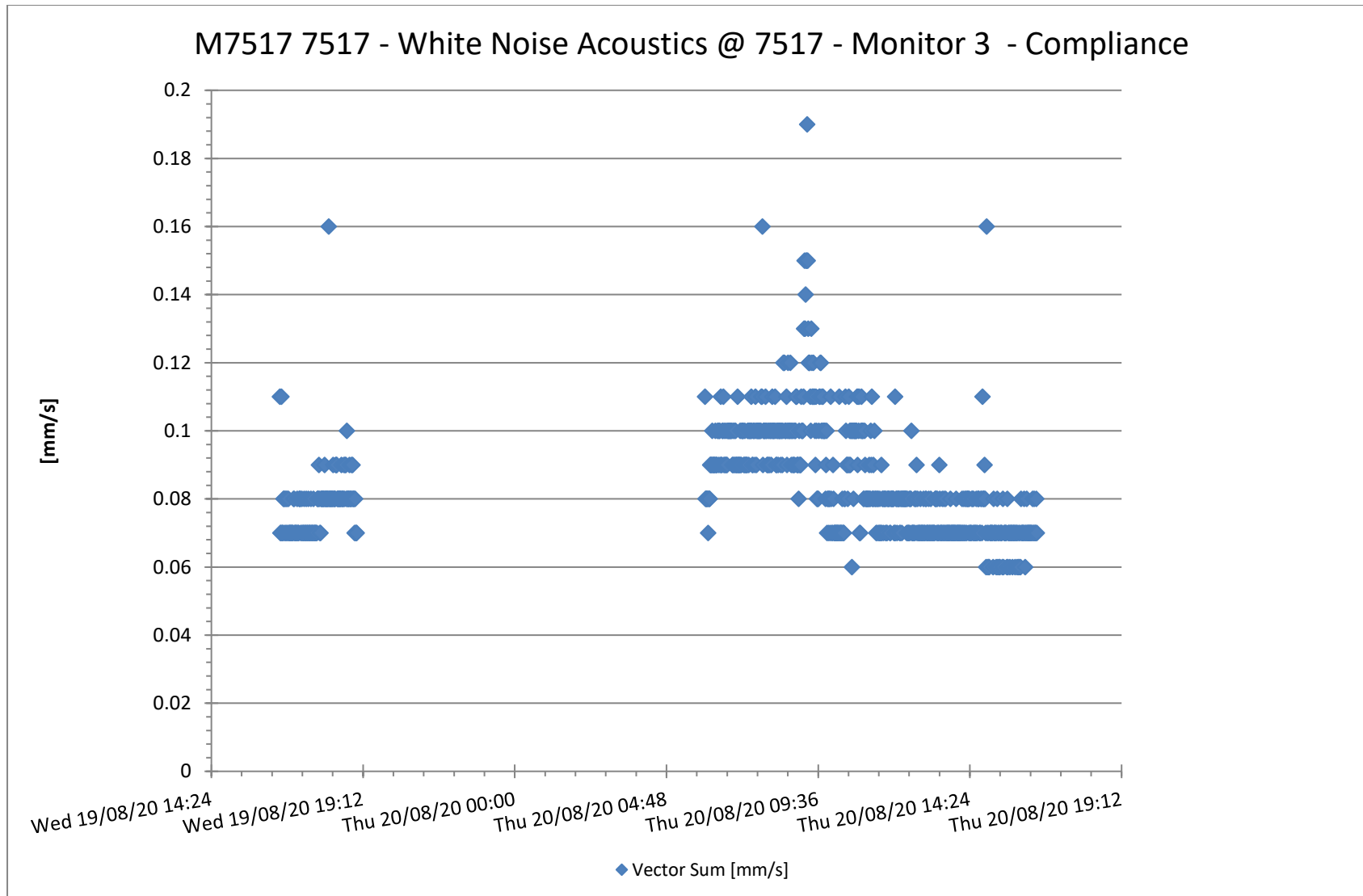
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

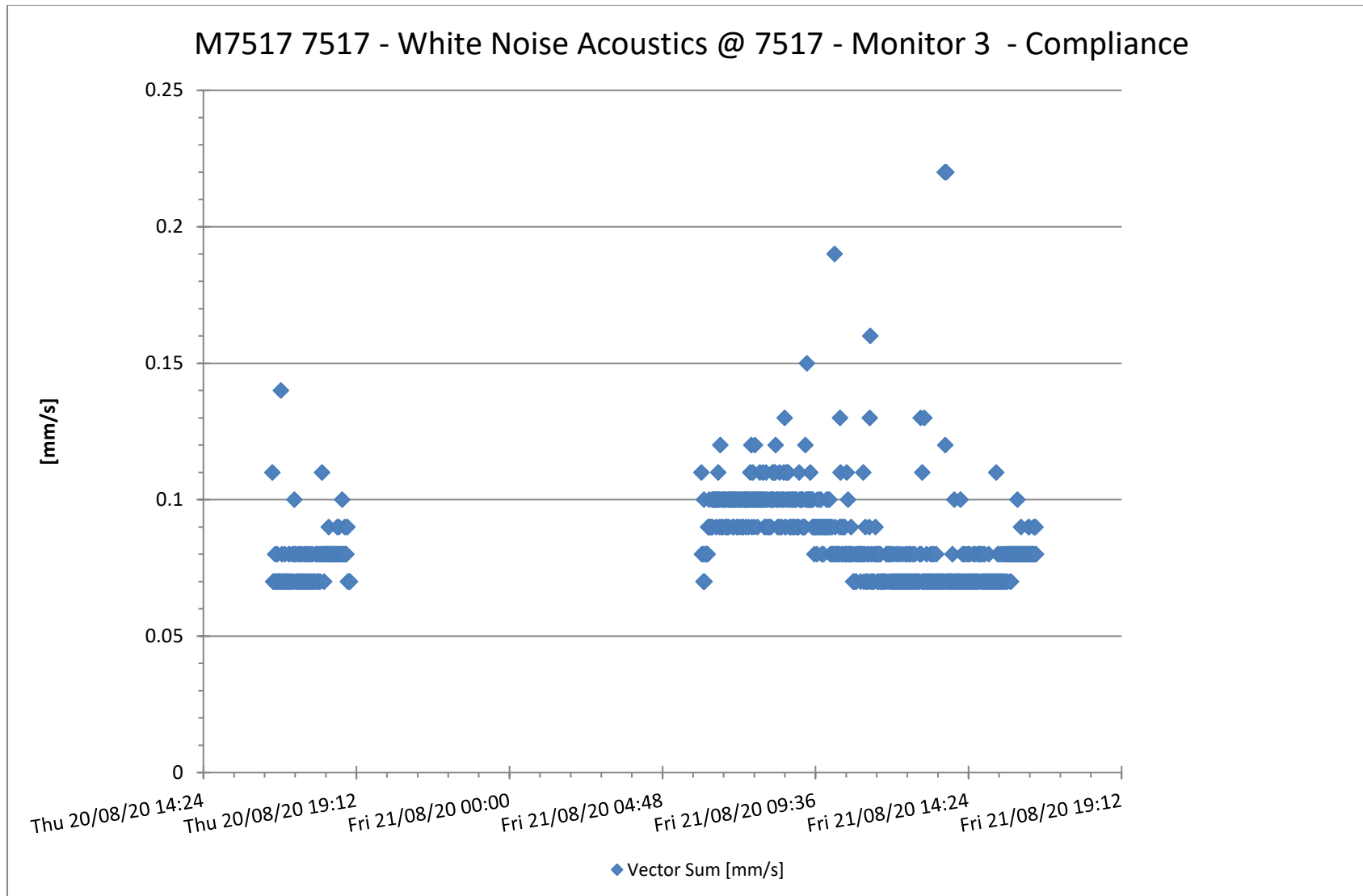


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

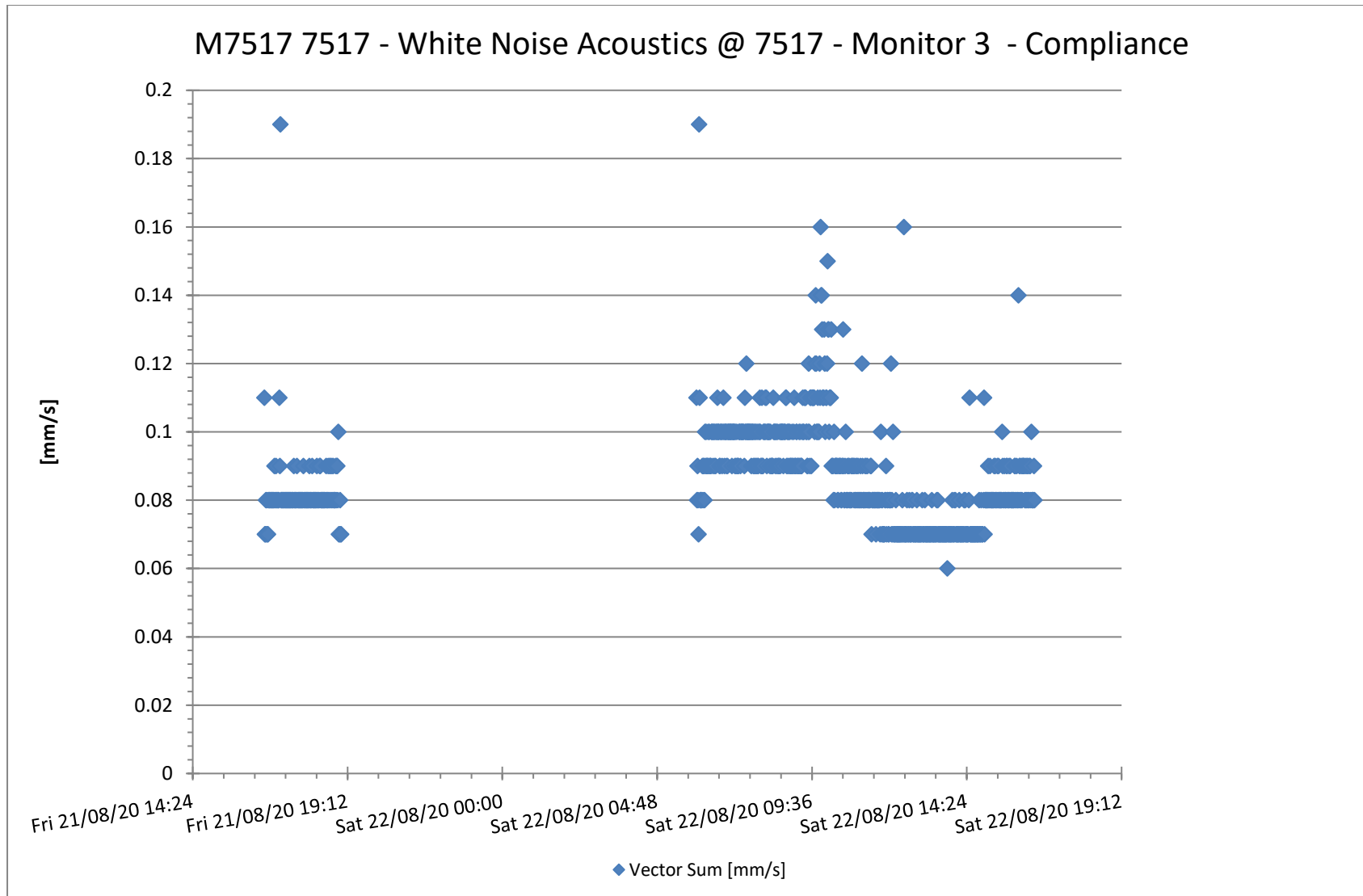


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

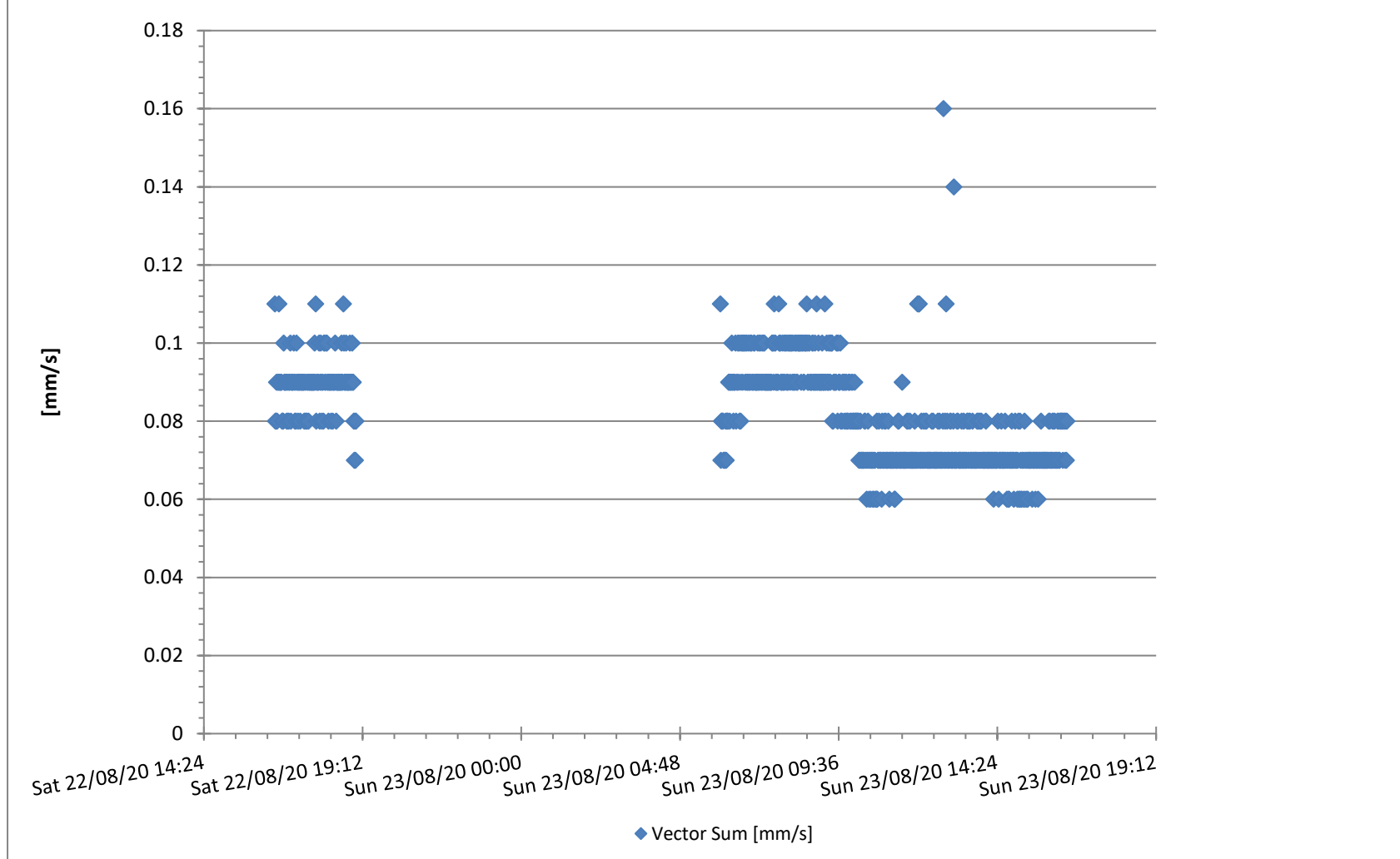




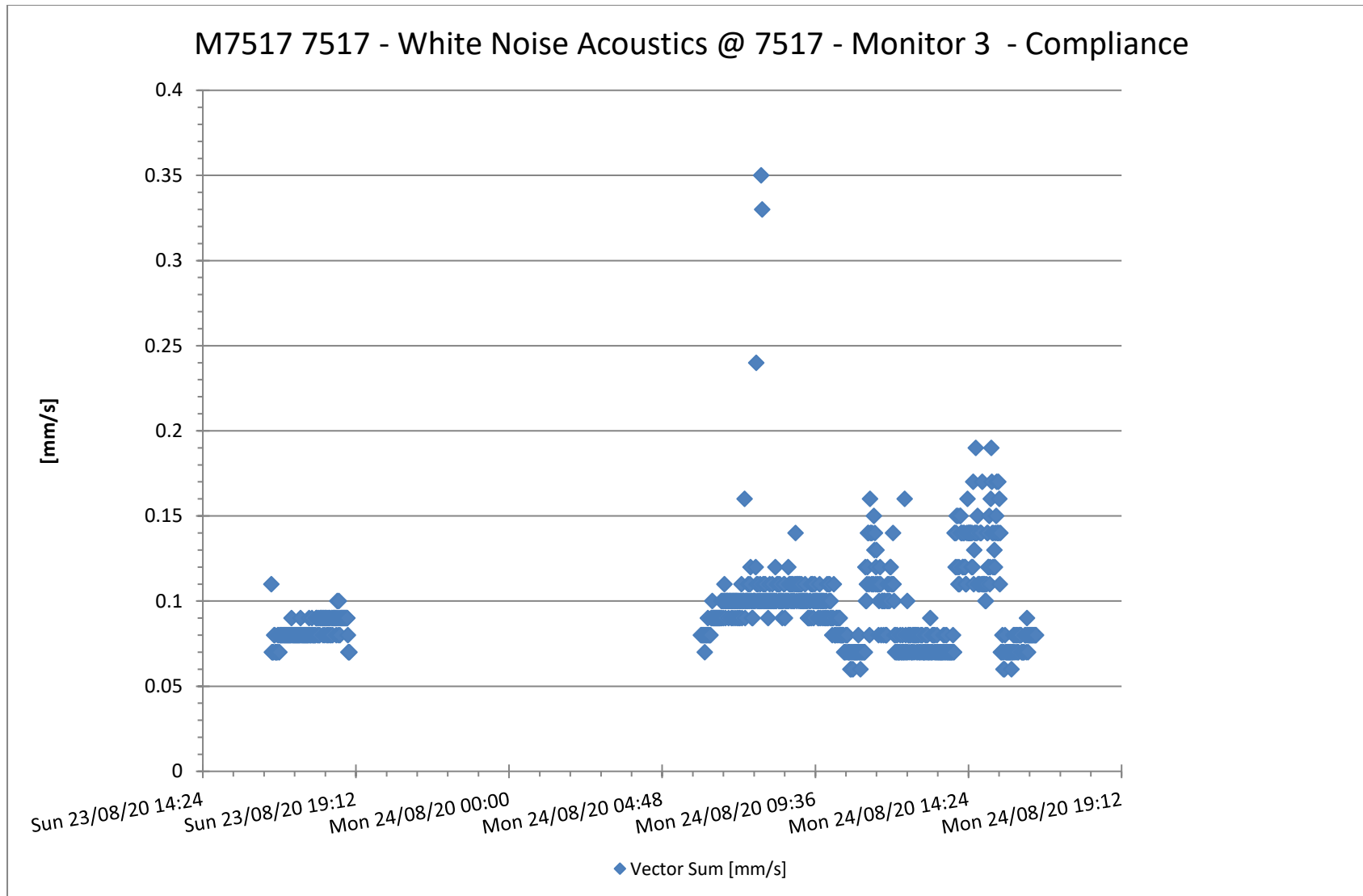
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



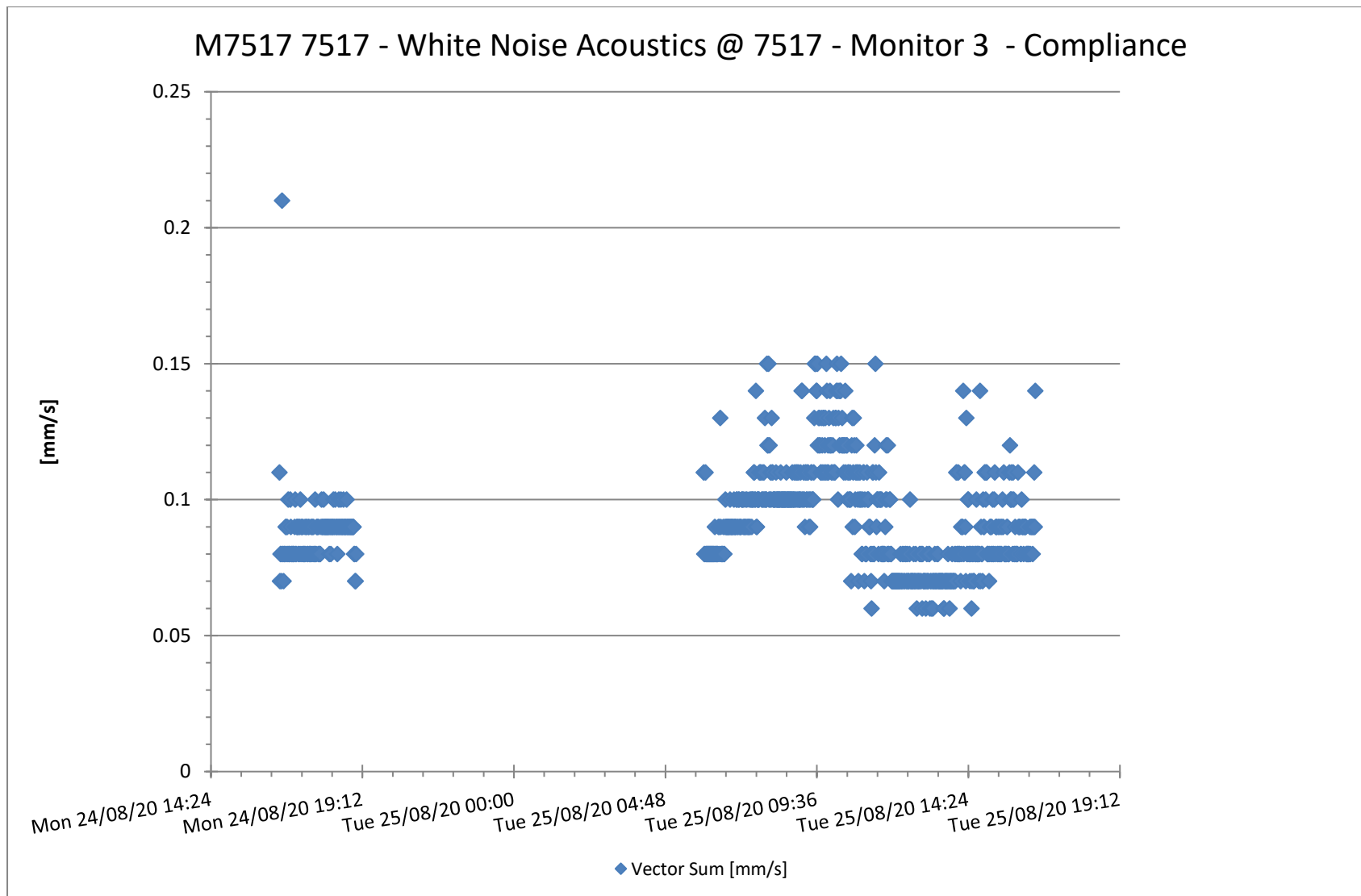
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



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

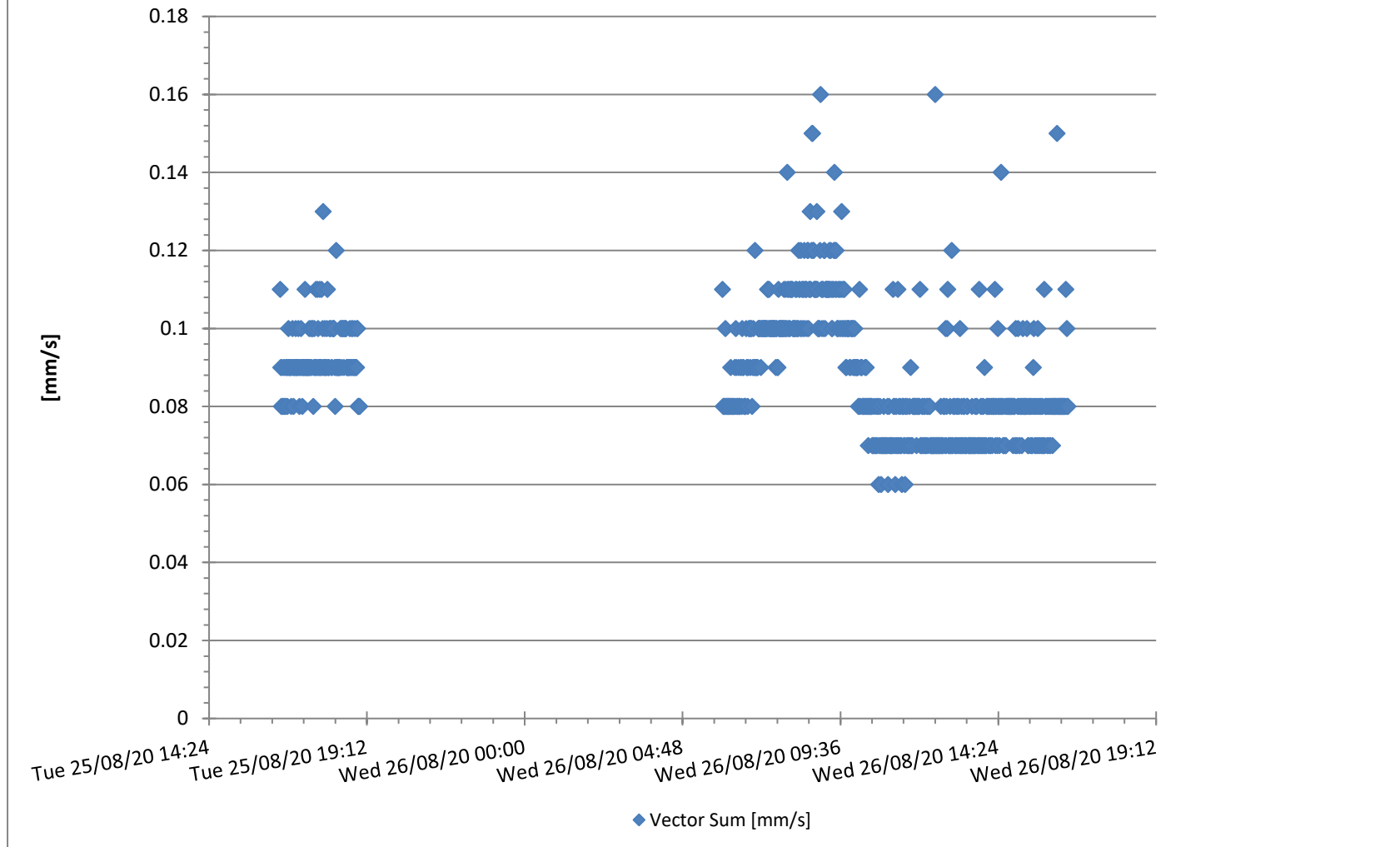


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

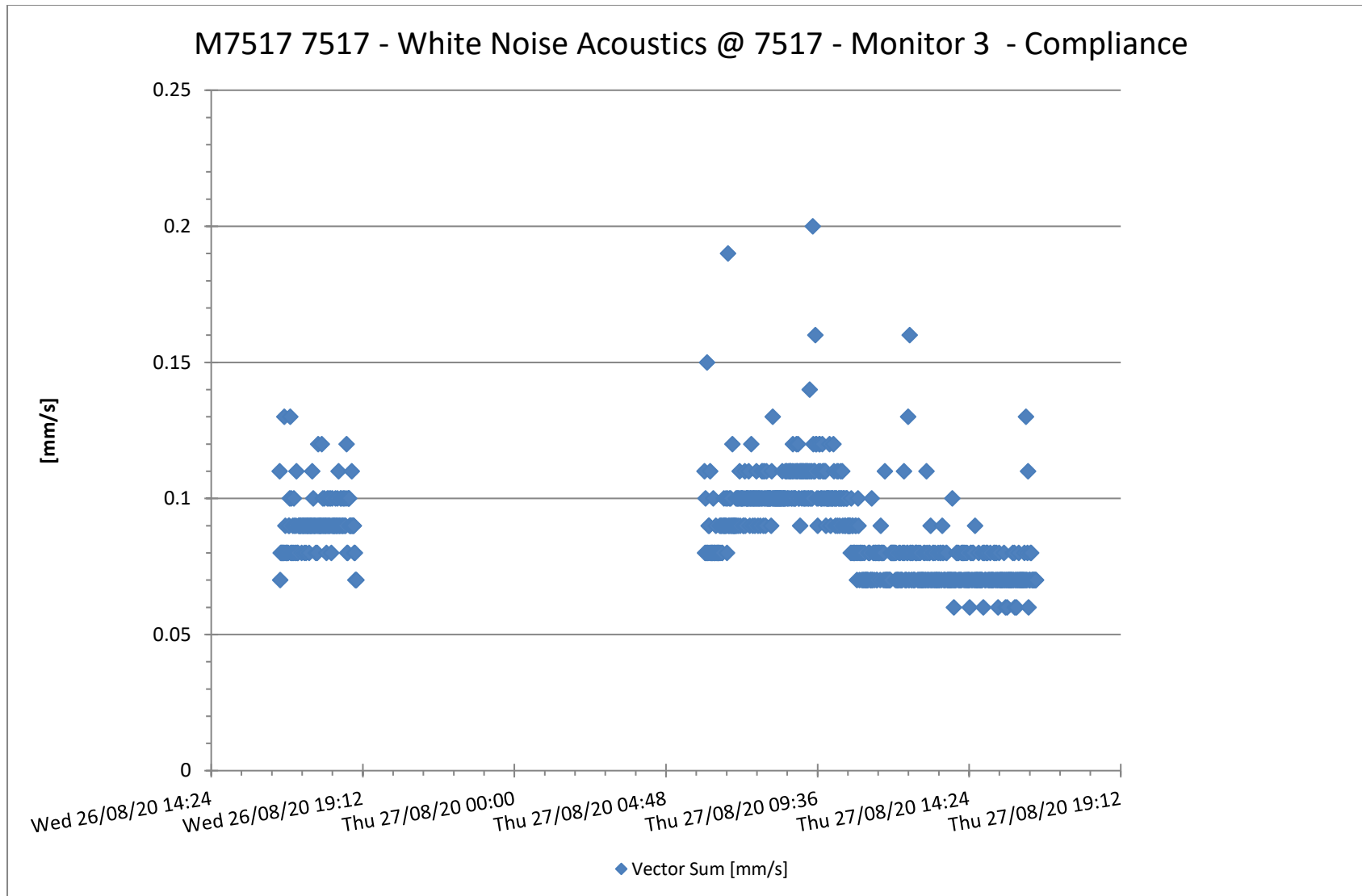




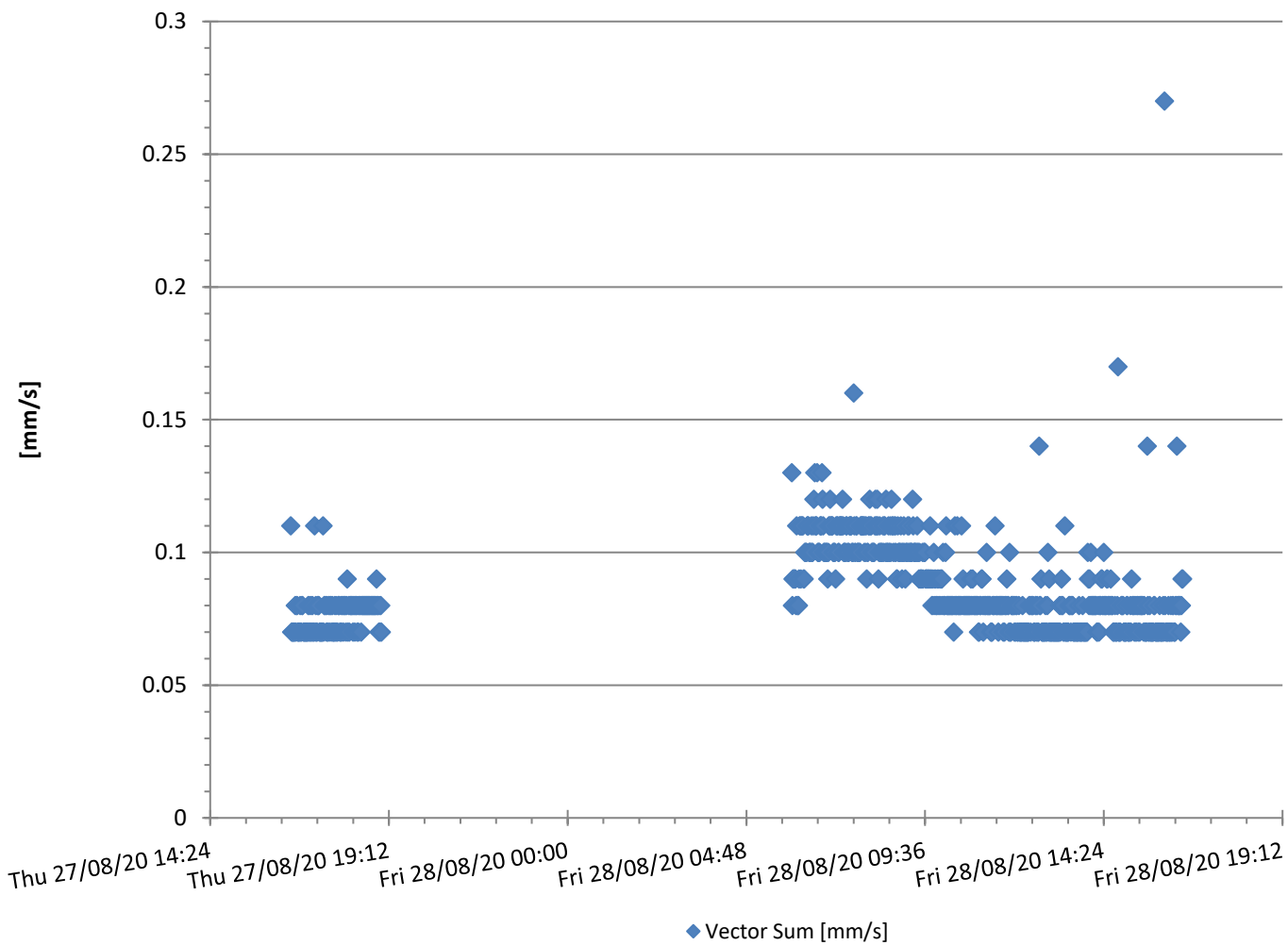
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



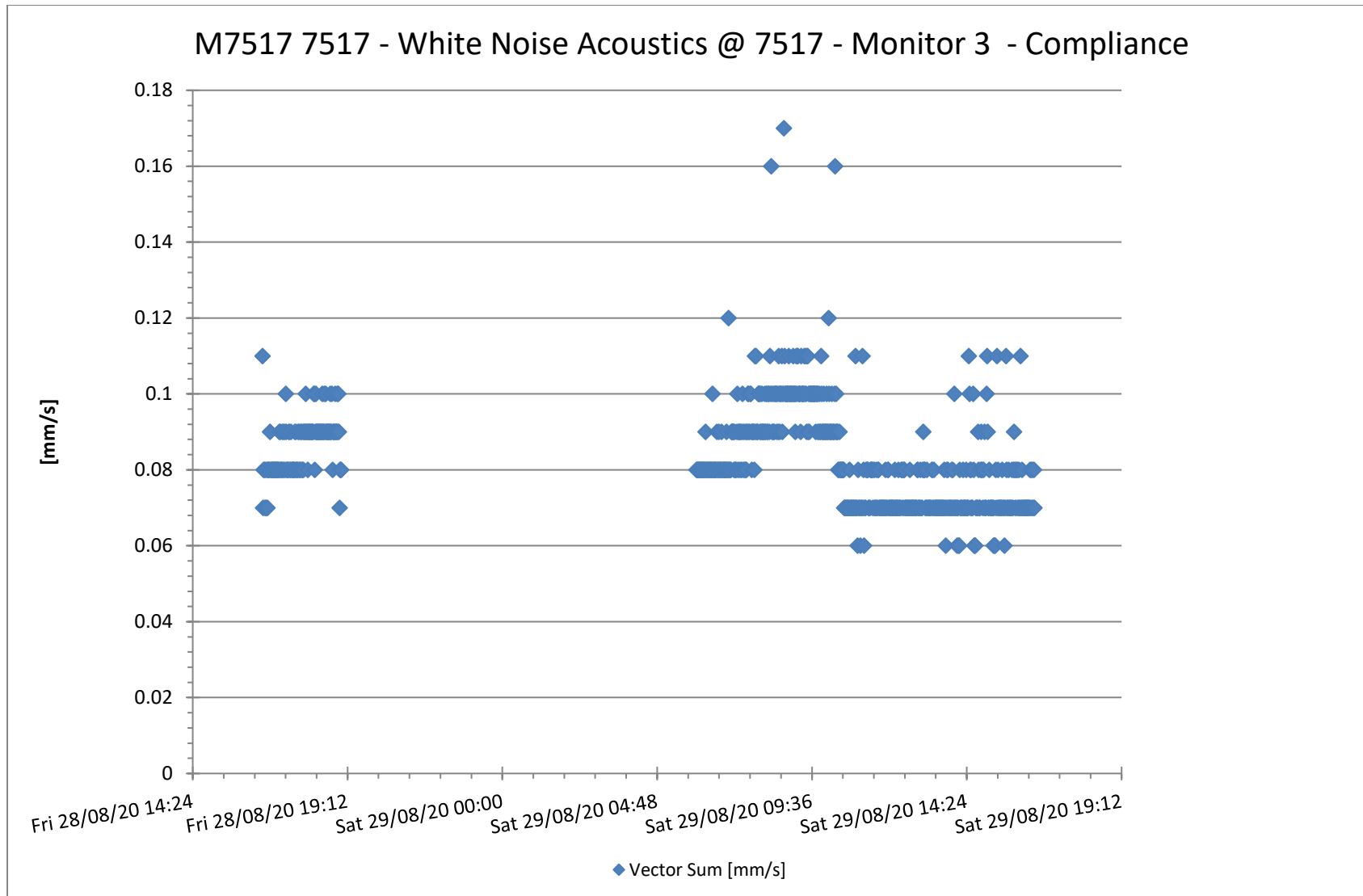
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance

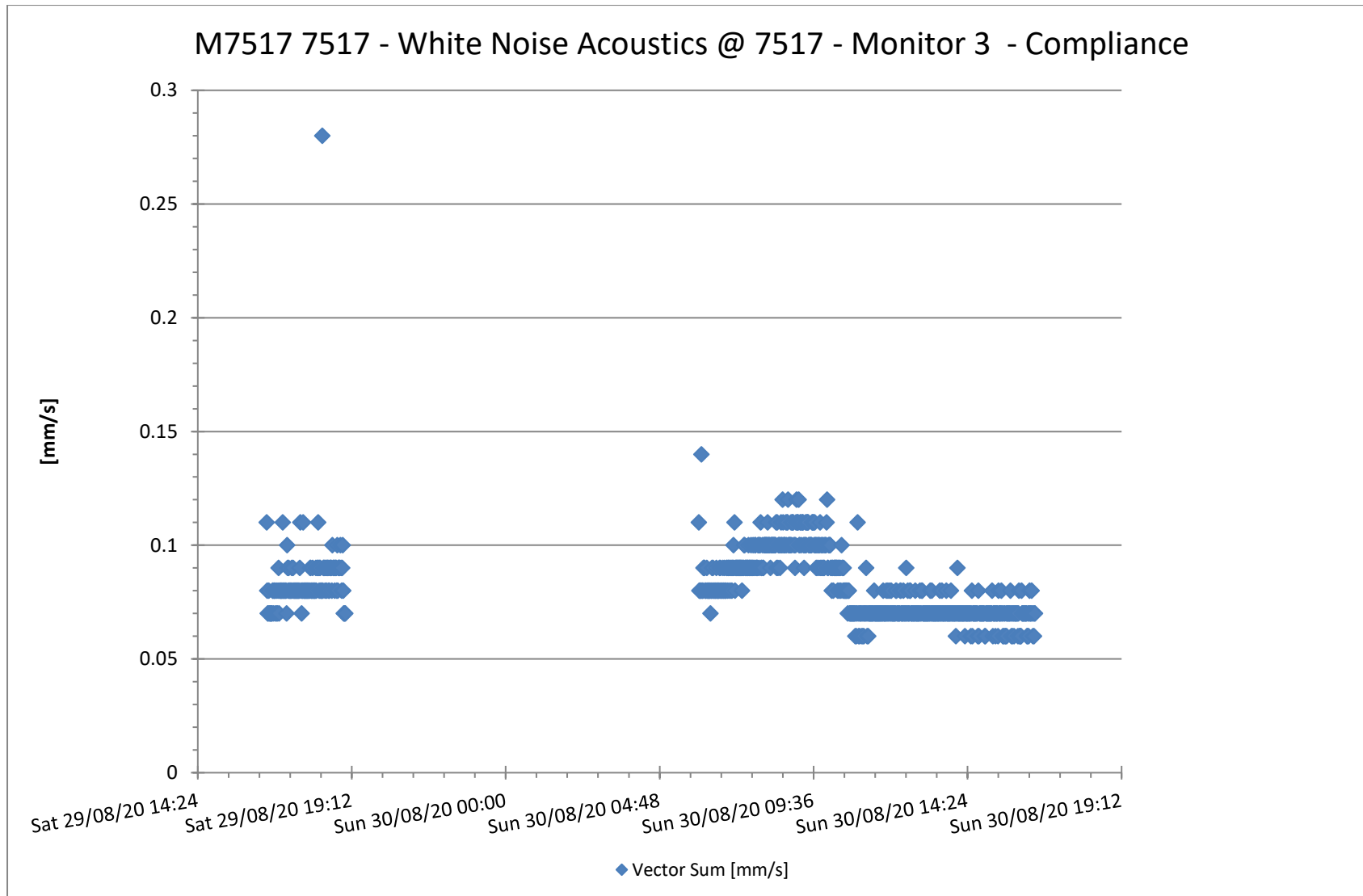


### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



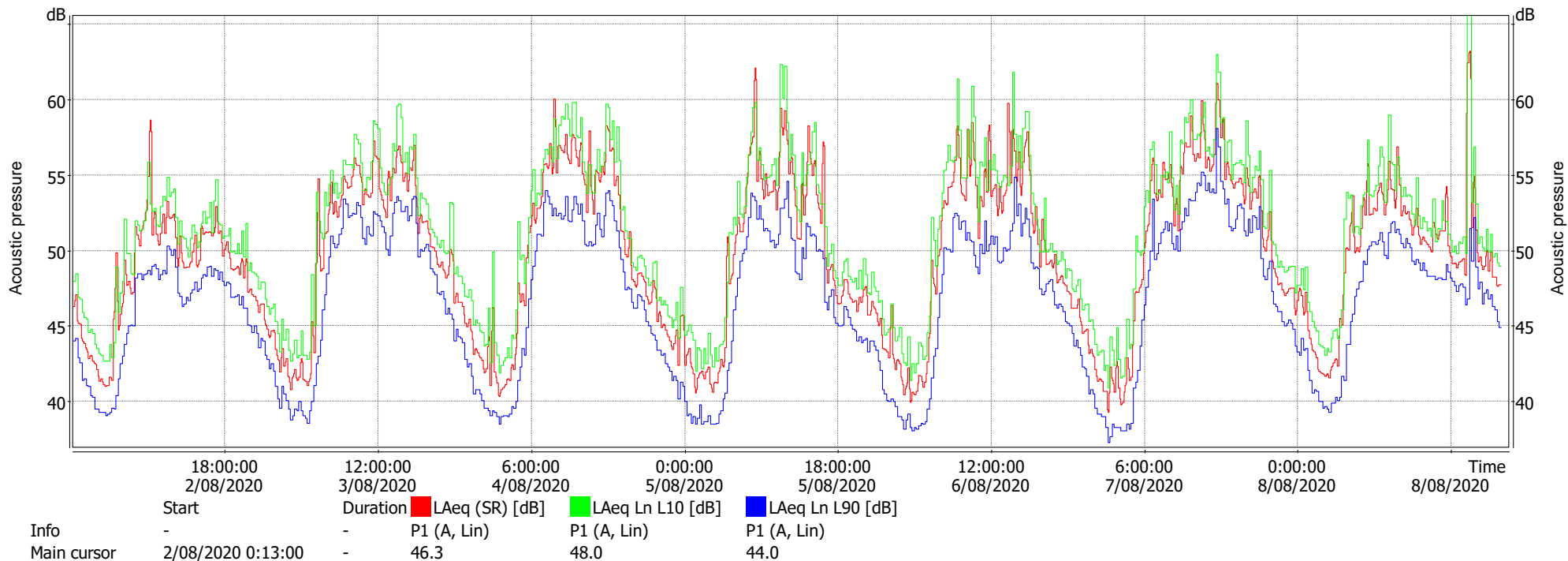
### M7517 7517 - White Noise Acoustics @ 7517 - Monitor 3 - Compliance



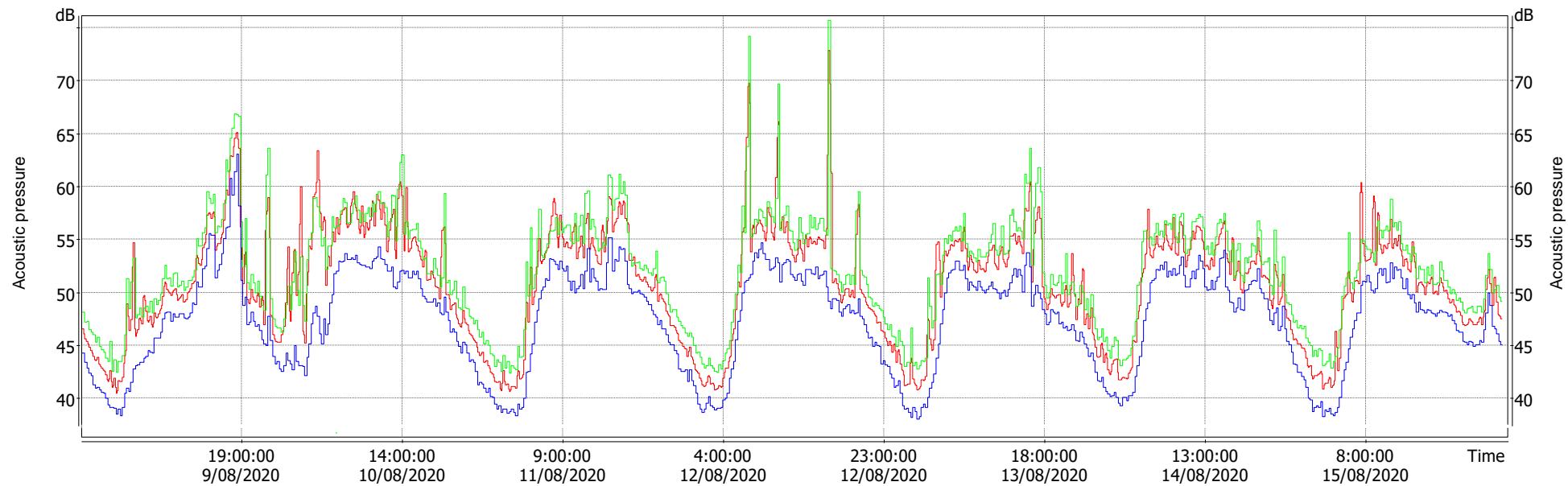


## **12 Appendix F – Noise Logger Location 1 – Art Gallery**

Logger results, logger step = 05:55



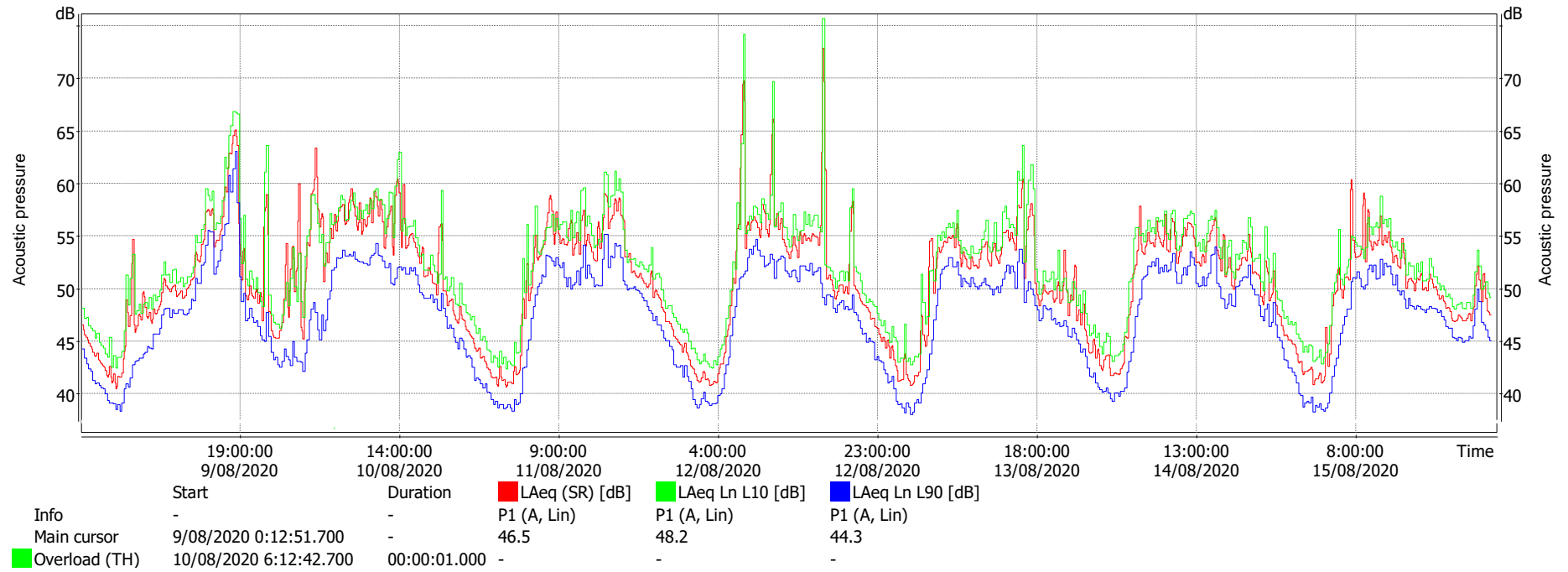
Logger results, logger step = 05:57



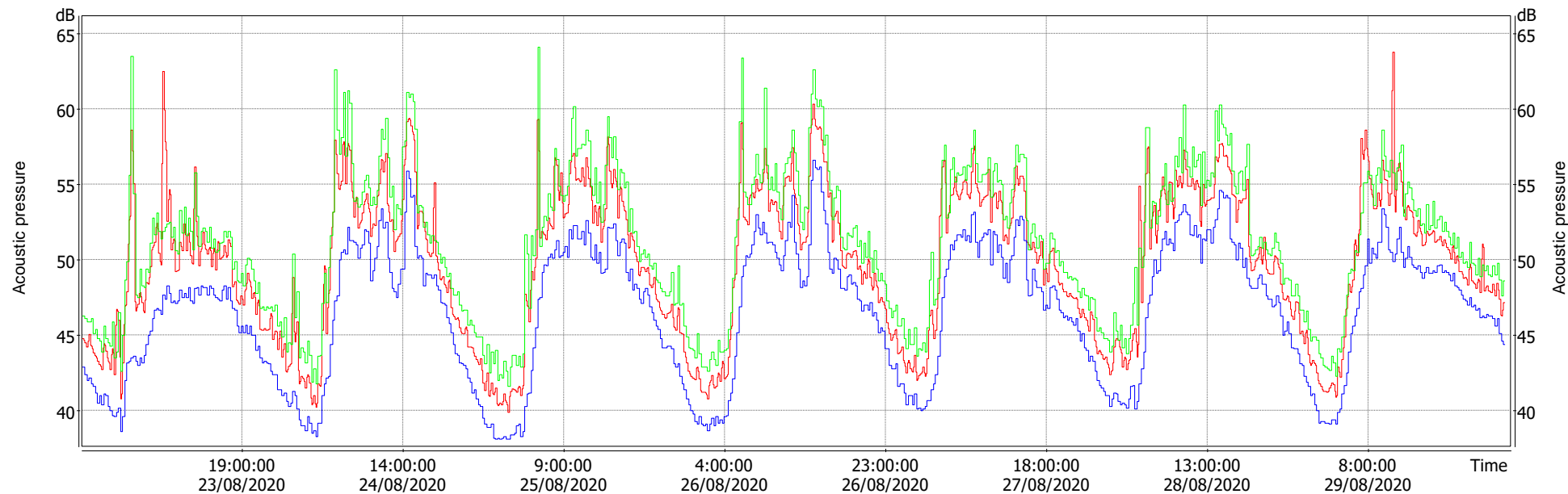
Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
	-	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	9/08/2020 0:12:51.700	-	46.5	48.2	44.3
Overload (TH)	10/08/2020 6:12:42.700	00:00:01.000	-	-	-



Logger results, logger step = 05:57



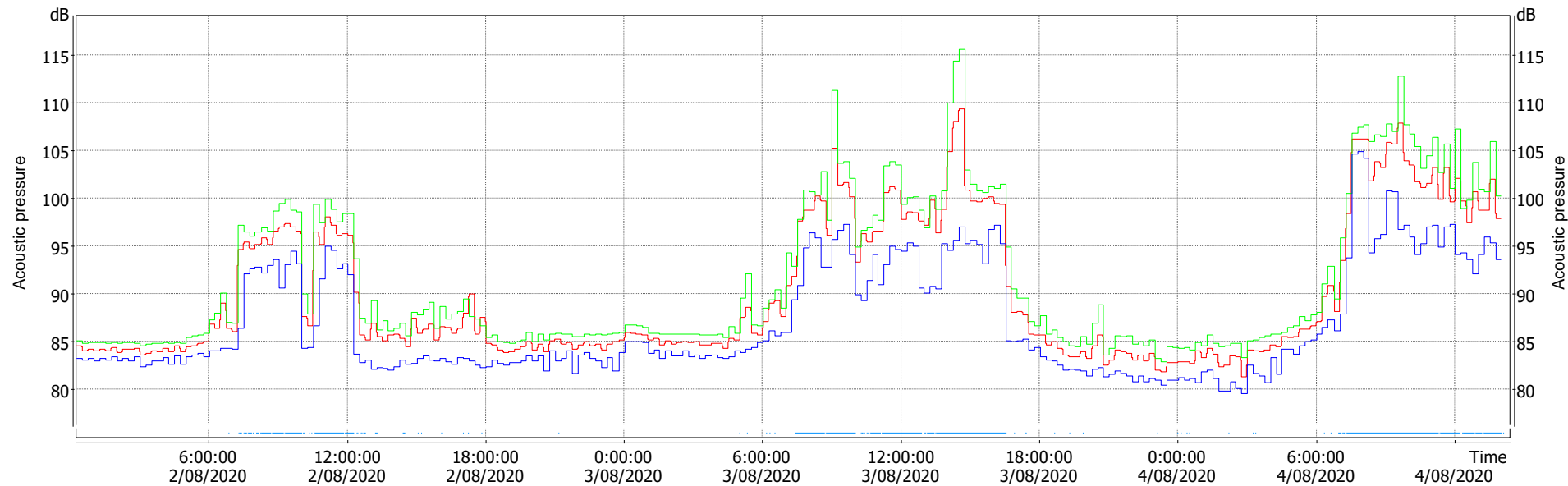
Logger results, logger step = 05:57



Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
Main cursor	23/08/2020 0:23:32.700	-	44.7	46.3	42.9

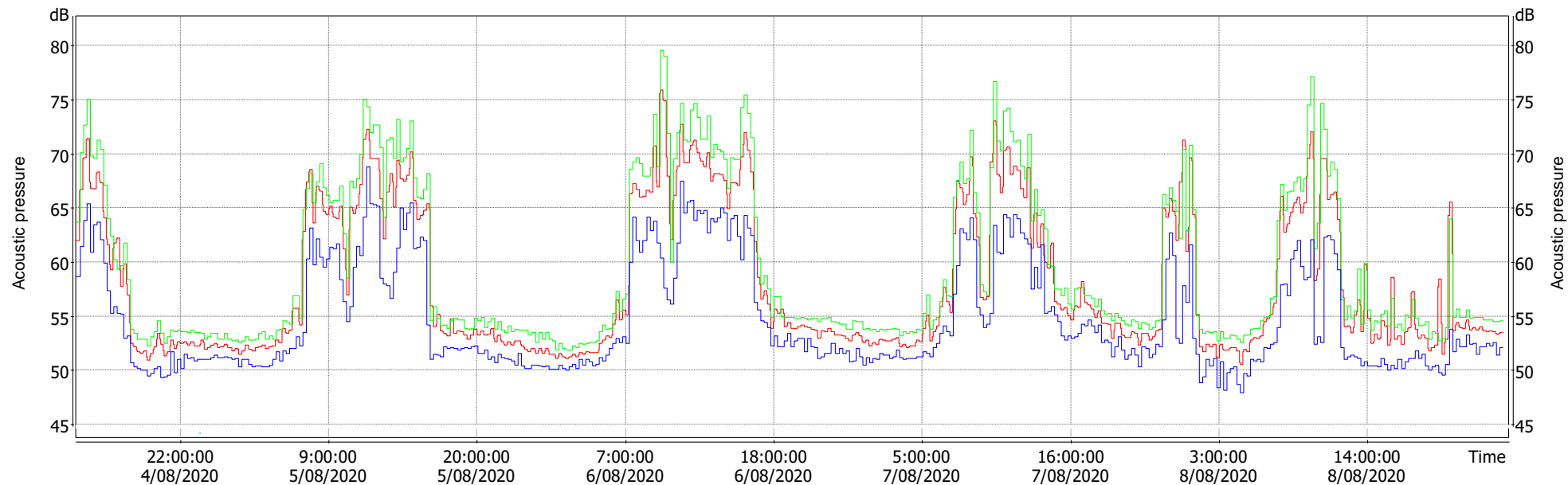
## **13 Appendix G – Noise Logger Location 2 – To the North East**

Logger results, logger step = 02:11



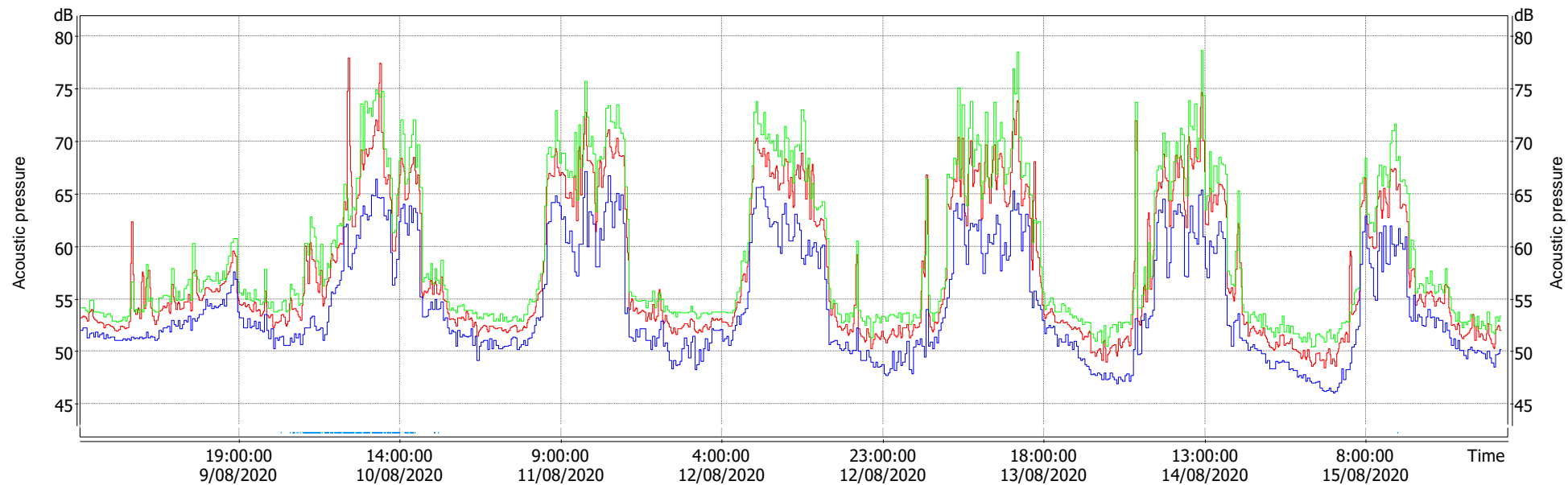
Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
-	-	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	2/08/2020 0:17:11	-	84.6	85.1	83.2
Overload (TH)	2/08/2020 6:53:44	05:16:57.000	-	-	-

Logger results, logger step = 03:44



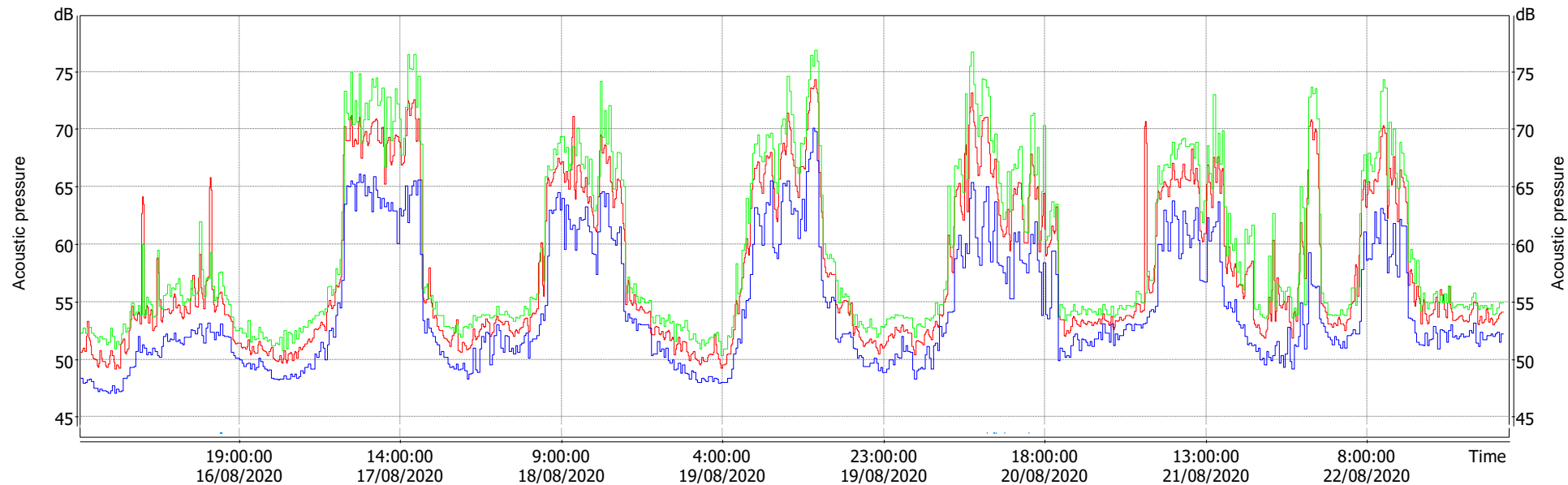
Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
-	-	-	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	4/08/2020 14:18:44	-	62.0	63.7	58.7
Overload (TH)	4/08/2020 23:29:35	00:00:01.000	-	-	-

Logger results, logger step = 05:56



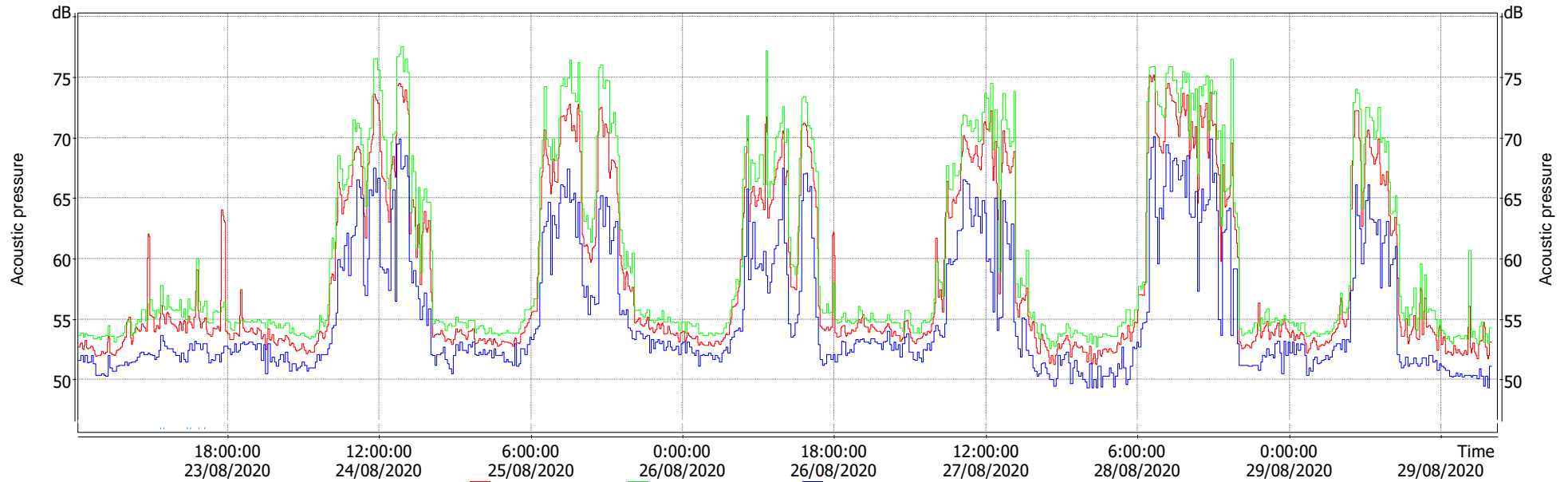
Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
	9/08/2020	10/08/2020	P1 (A, Lin)	P1 (A, Lin)	P1 (A, Lin)
Main cursor	9/08/2020 0:20:56	-	53.3	54.2	52.0
Overload (TH)	10/08/2020 0:01:39	00:14:30.000	-	-	-

Logger results, logger step = 05:56



Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
Main cursor	16/08/2020 0:20:56	-	50.6	52.3	48.4
Overload (TH)	16/08/2020 16:49:48	00:00:15.000	-	-	-

Logger results, logger step = 05:56



Info	Start	Duration	LAeq (SR) [dB]	LAeq Ln L10 [dB]	LAeq Ln L90 [dB]
Main cursor	23/08/2020 0:50:36	-	52.6	53.9	52.0
Overload (TH)	23/08/2020 10:04:21	00:00:12.000	-	-	-