



CONSULTING  
GROUP

# Vibration Monitoring Report Summary

Thurston Elementary  
School

Project Number: 233473

Date: 03/13/26 to 3/20/26

Client: Ann Arbor Public Schools

Client Contact: Erik Bodker (Gilbane)

Project Address: 2300 Prairie Street, Ann Arbor MI

Micromate/Minimate Serial No. :

UM17584

Geophone Serial No.:

UM17584

Vibration Unit  
Location:

UM17584 - Northeast side of side approximately 100 feet west of edge of house at 2219 Georgetown Boulevard

Maximum Peak Particle Velocity (PPV) (in/sec):

Frequency (Hz) at PPV:

UM17584

0.1266 - Vertical Channel on 03-17-26 at 5:01:51

UM17584

46.5Hz

Maximum Specified PPV (in/sec):

0.20

Description of Construction Activities:

G2 understands that construction activities consist of utility installation with backfilling operations taking place using a excavator with a hoe-pack attachment. Zero (0) vibration events occurred.

Reported By: RPC, P.E.

Reviewed By: JBS, P.E.

**Start** March 12, 2026 17:01:51  
**Finish** March 13, 2026 07:29:59  
**Number of Intervals/Interval** 57.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260312170151.IDFH  
**USB Sensor Support** Disabled

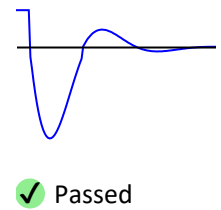
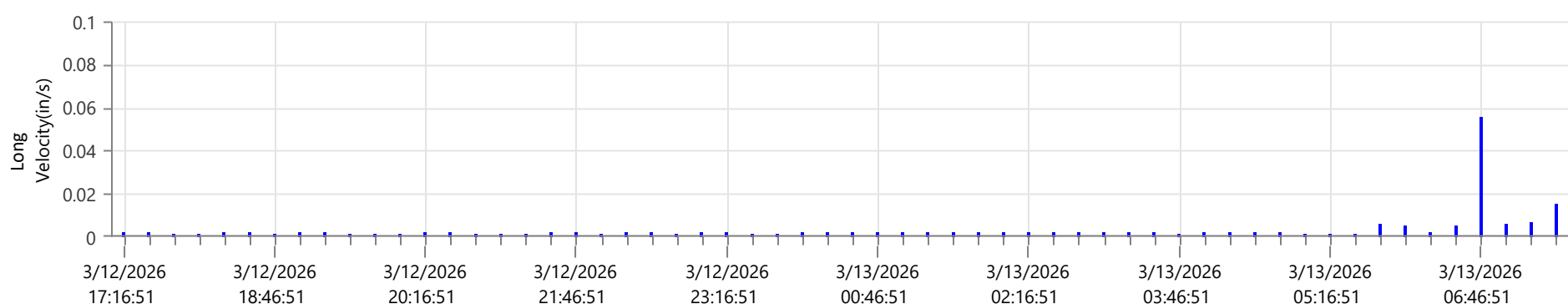
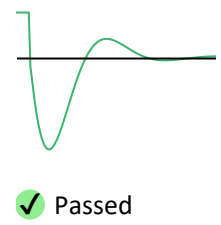
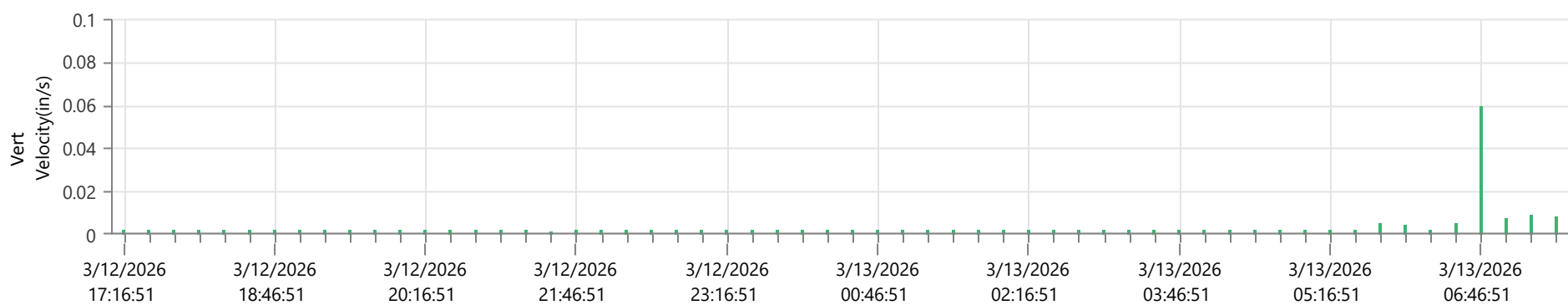
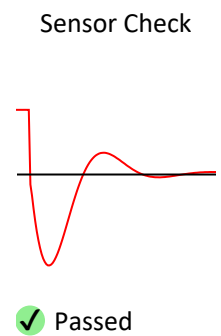
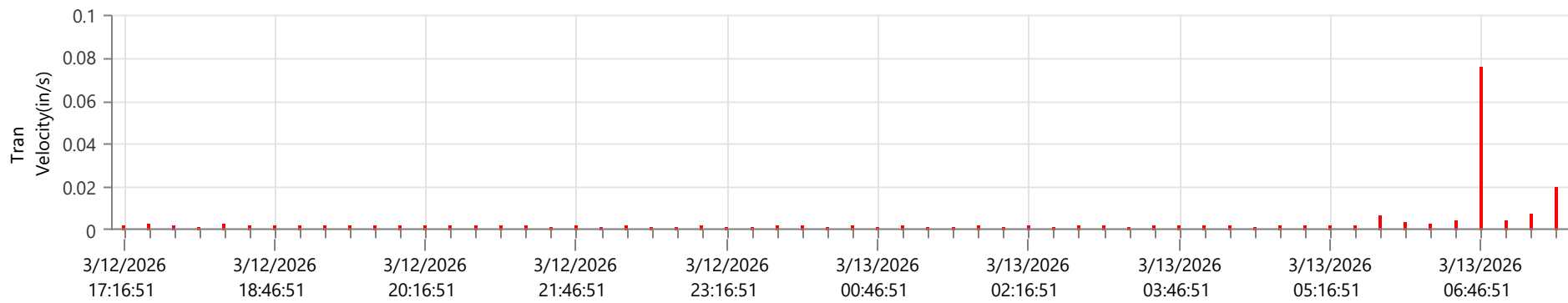
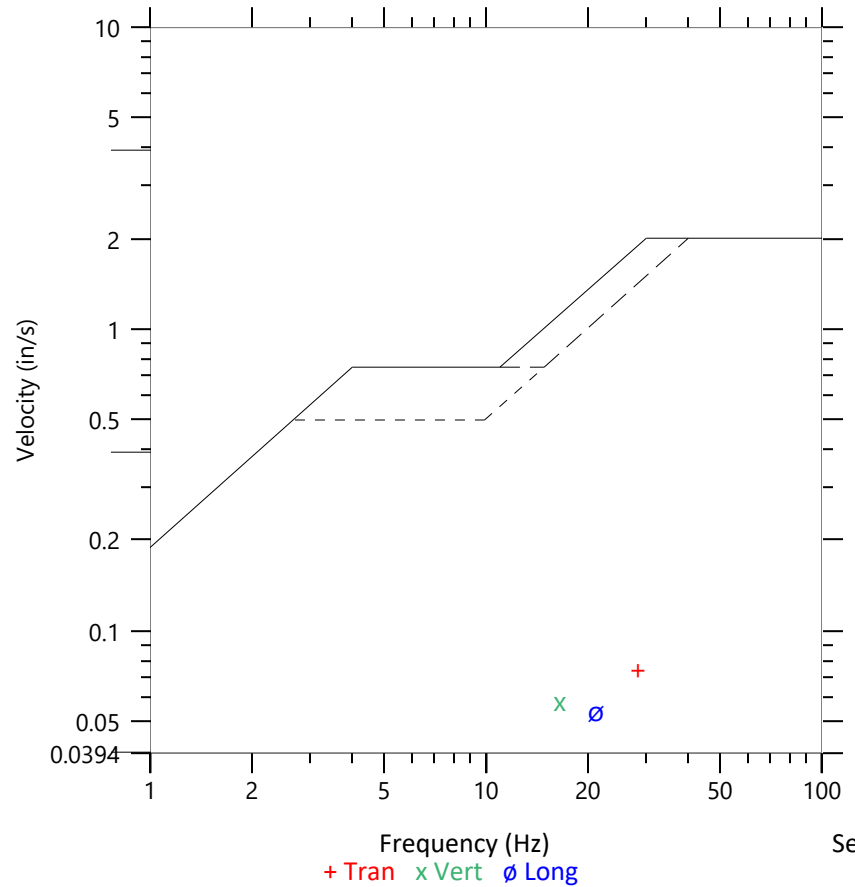
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0763 in/s	0.0599 in/s	0.0555 in/s
Zero Crossing Frequency	28.4 Hz	16.5 Hz	21.3 Hz
Date	Mar 13, 2026	Mar 13, 2026	Mar 13, 2026
Time	06:46:51	06:46:51	06:46:51
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.7 Hz
Overswing Ratio	4.1	4.6	5.0

Peak Vector Sum 0.1046 in/s at March 13, 2026 06:46:51

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



**Start** March 13, 2026 07:31:59  
**Finish** March 13, 2026 11:59:59  
**Number of Intervals/Interval** 17.87/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

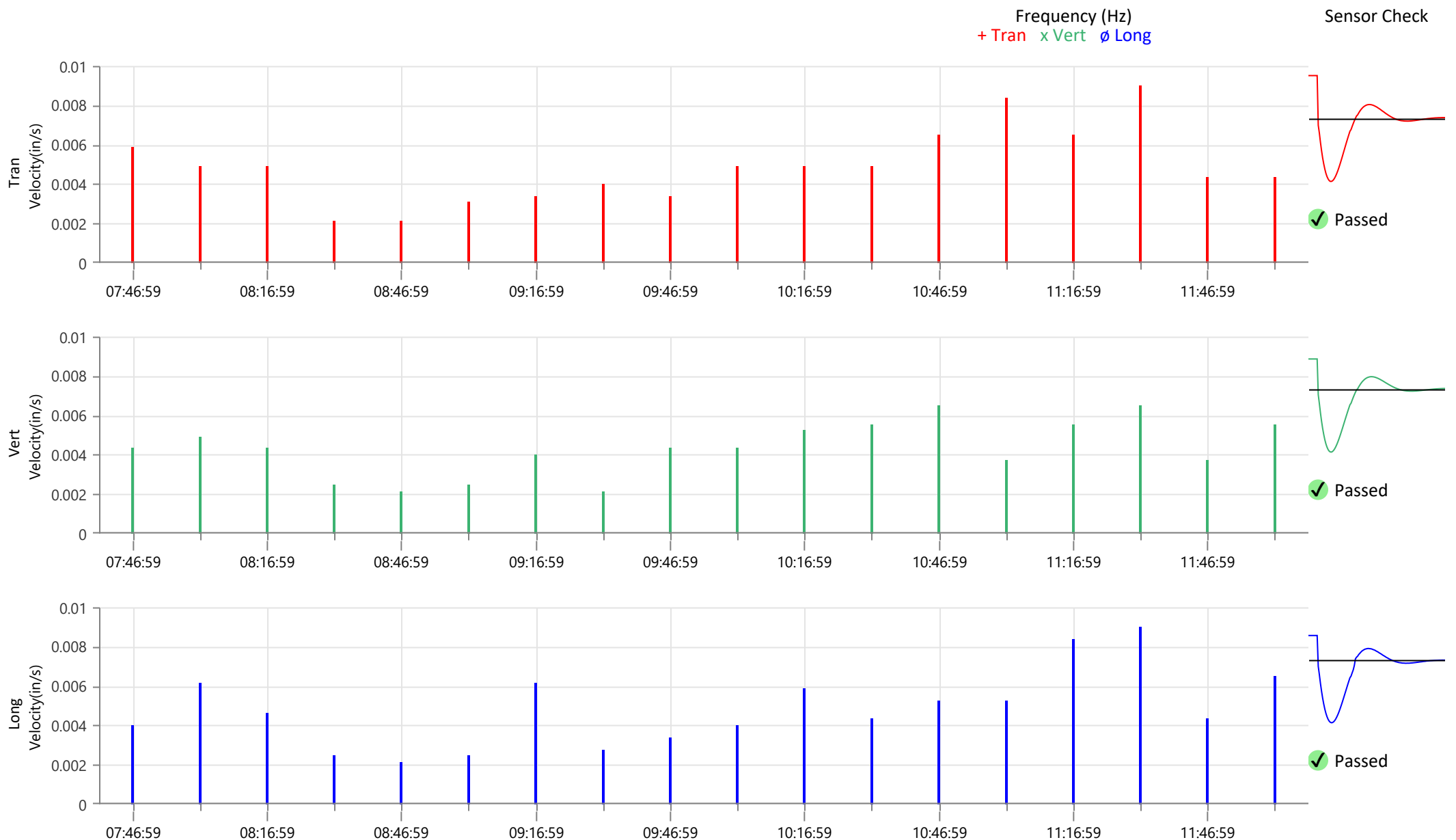
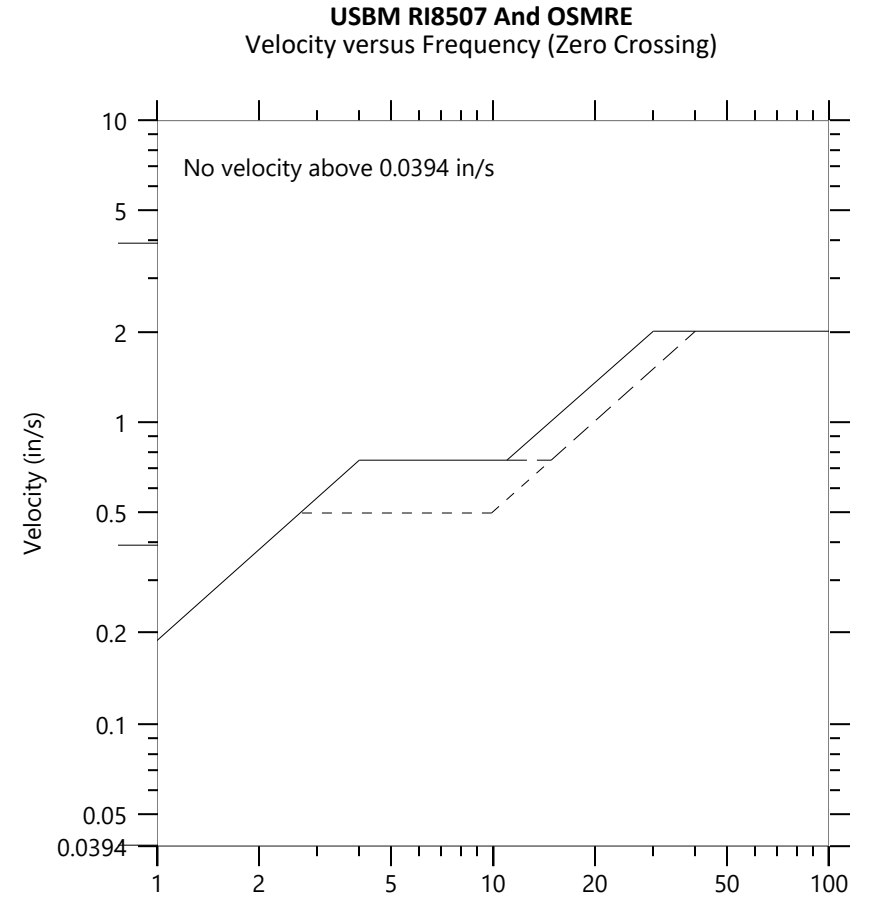
**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260313073159.IDFH  
**USB Sensor Support** Disabled

**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0090 in/s	0.0065 in/s	0.0090 in/s
Zero Crossing Frequency	39.4 Hz	39.4 Hz	32.0 Hz
Date	Mar 13, 2026	Mar 13, 2026	Mar 13, 2026
Time	11:31:59	10:46:59	11:31:59
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.1 Hz	7.5 Hz
Overswing Ratio	4.2	4.6	5.1

Peak Vector Sum 0.0101 in/s at March 13, 2026 11:31:59



**Start** March 13, 2026 12:01:50  
**Finish** March 13, 2026 16:59:59  
**Number of Intervals/Interval** 19.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260313120150.IDFH  
**USB Sensor Support** Disabled

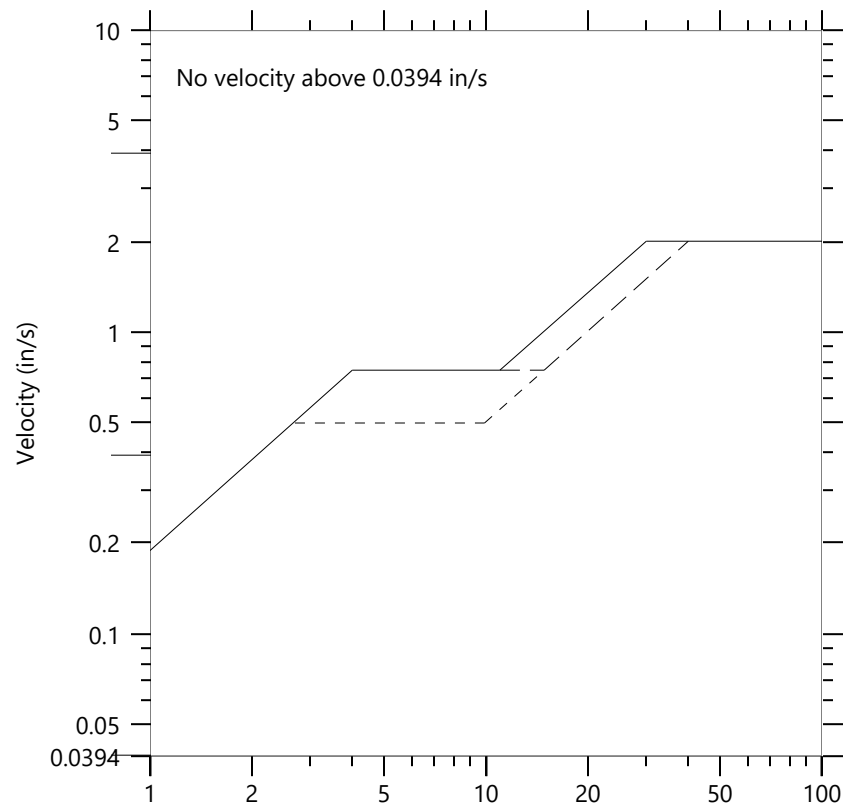
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0199 in/s	0.0093 in/s	0.0130 in/s
Zero Crossing Frequency	17.7 Hz	16.5 Hz	34.1 Hz
Date	Mar 13, 2026	Mar 13, 2026	Mar 13, 2026
Time	13:31:50	13:31:50	16:01:50
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.7 Hz
Overswing Ratio	4.1	4.6	5.1

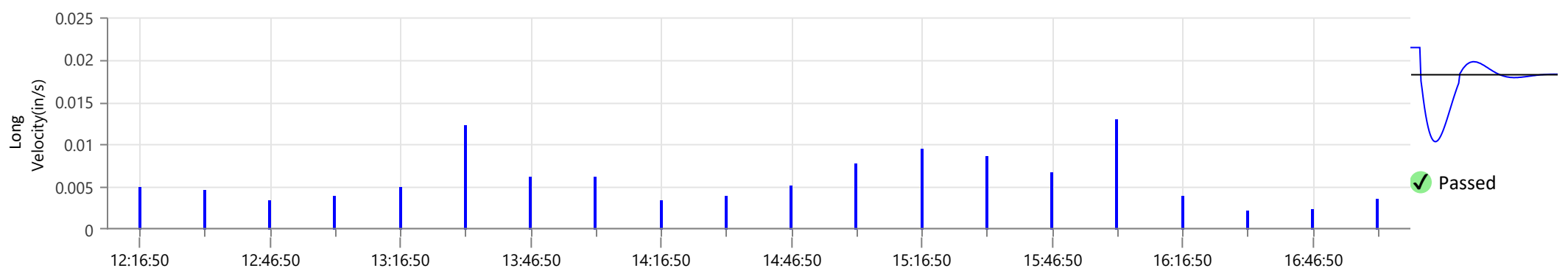
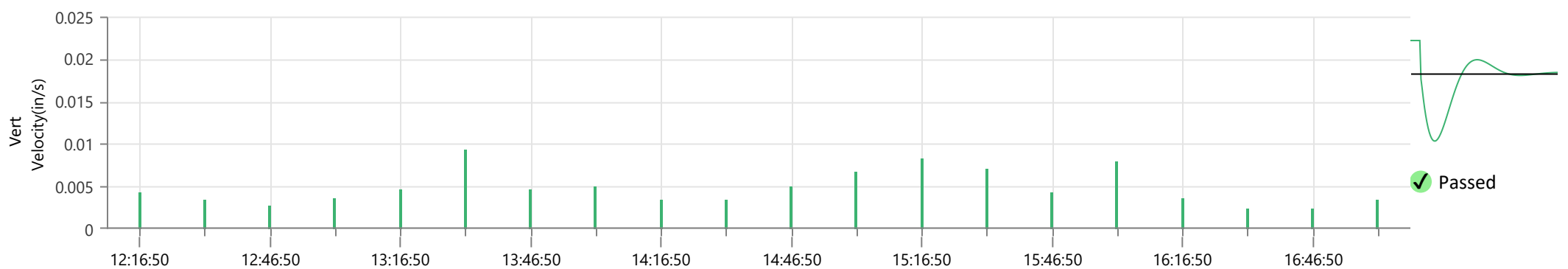
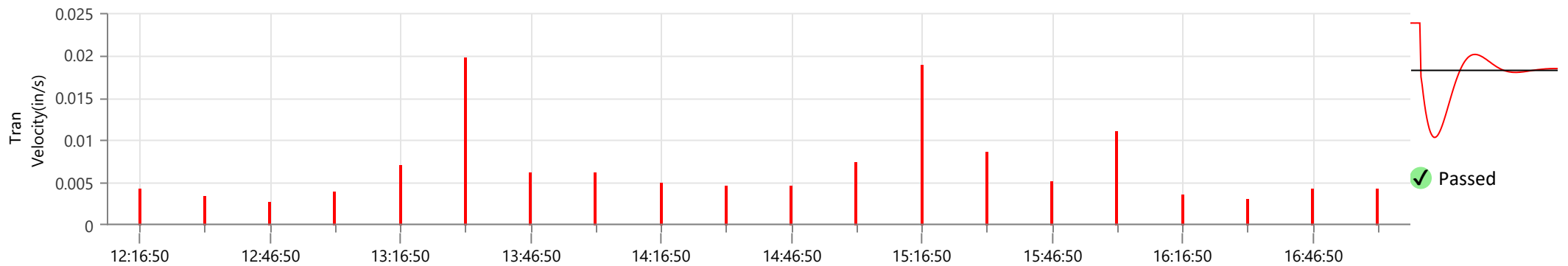
Peak Vector Sum 0.0203 in/s at March 13, 2026 13:31:50

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
 + Tran x Vert ø Long

Sensor Check



**Start** March 13, 2026 17:01:52  
**Finish** March 14, 2026 07:29:59  
**Number of Intervals/Interval** 57.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260313170152.IDFH  
**USB Sensor Support** Disabled

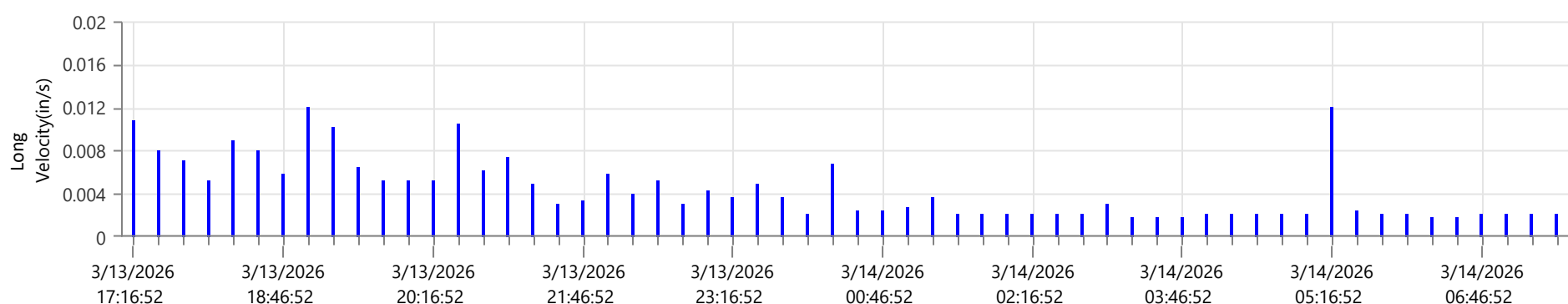
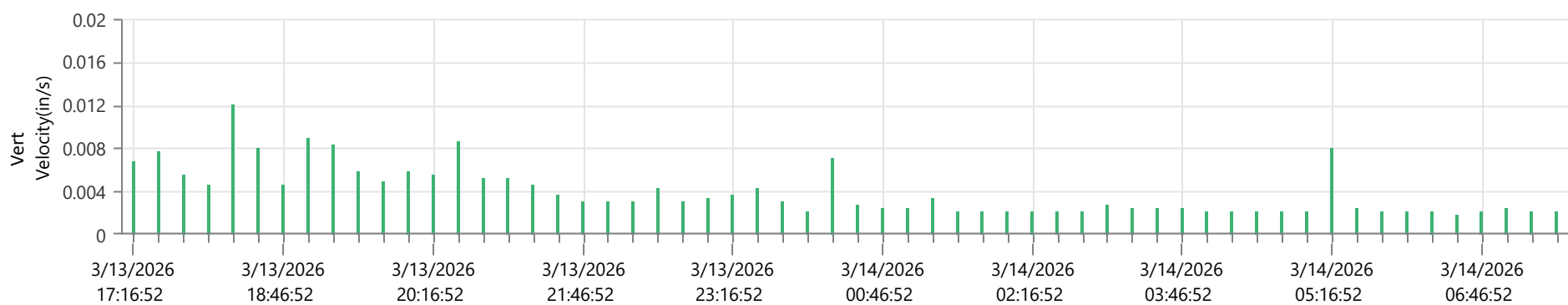
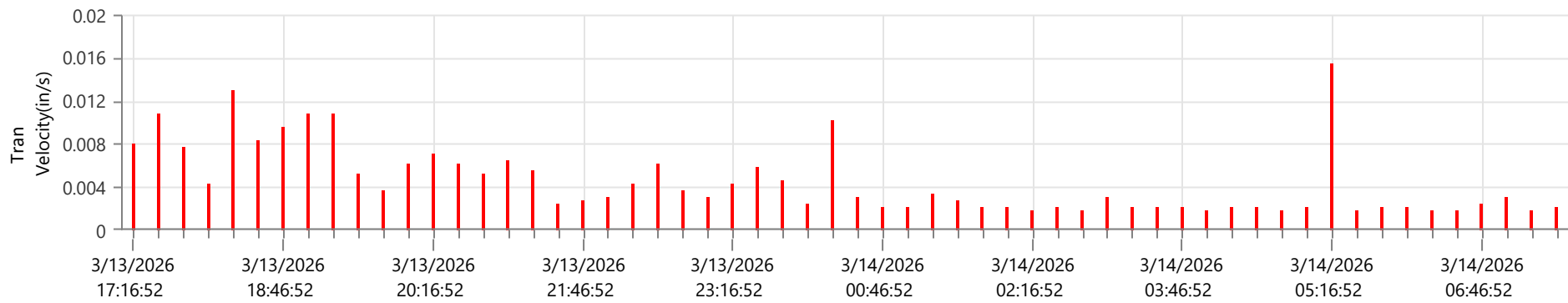
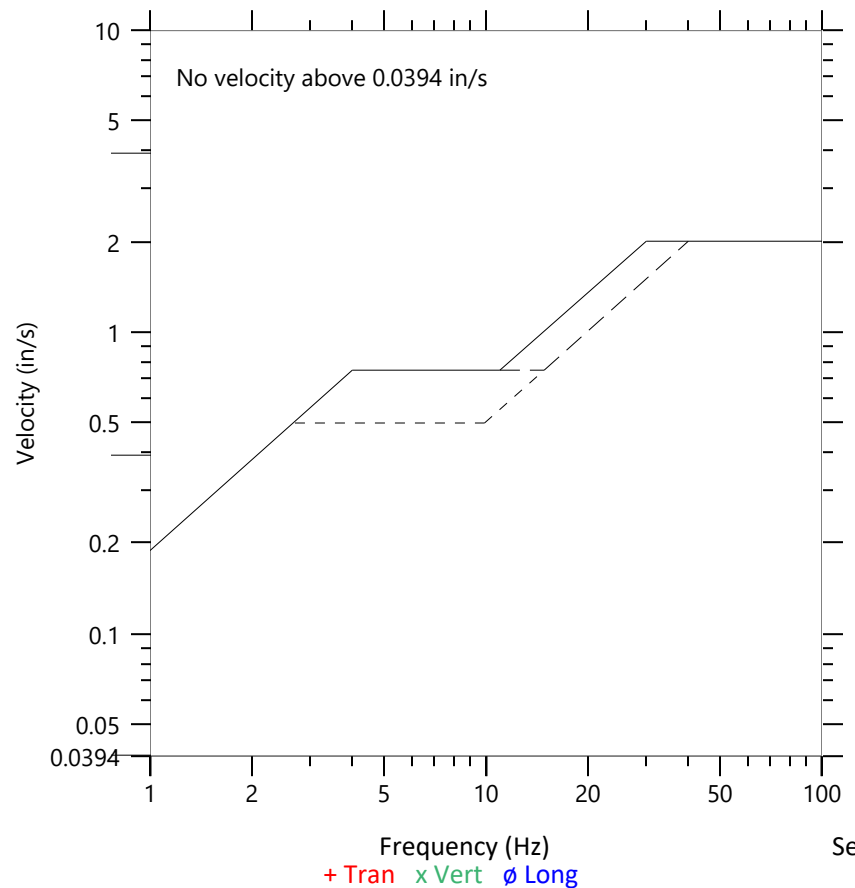
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0155 in/s	0.0121 in/s	0.0121 in/s
Zero Crossing Frequency	46.5 Hz	46.5 Hz	32.0 Hz
Date	Mar 14, 2026	Mar 13, 2026	Mar 13, 2026
Time	05:16:52	18:16:52	19:01:52
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.7 Hz
Overswing Ratio	4.1	4.6	5.1

Peak Vector Sum 0.0173 in/s at March 14, 2026 05:16:52

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



**Start** March 14, 2026 07:31:59  
**Finish** March 14, 2026 11:59:59  
**Number of Intervals/Interval** 17.87/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260314073159.IDFH  
**USB Sensor Support** Disabled

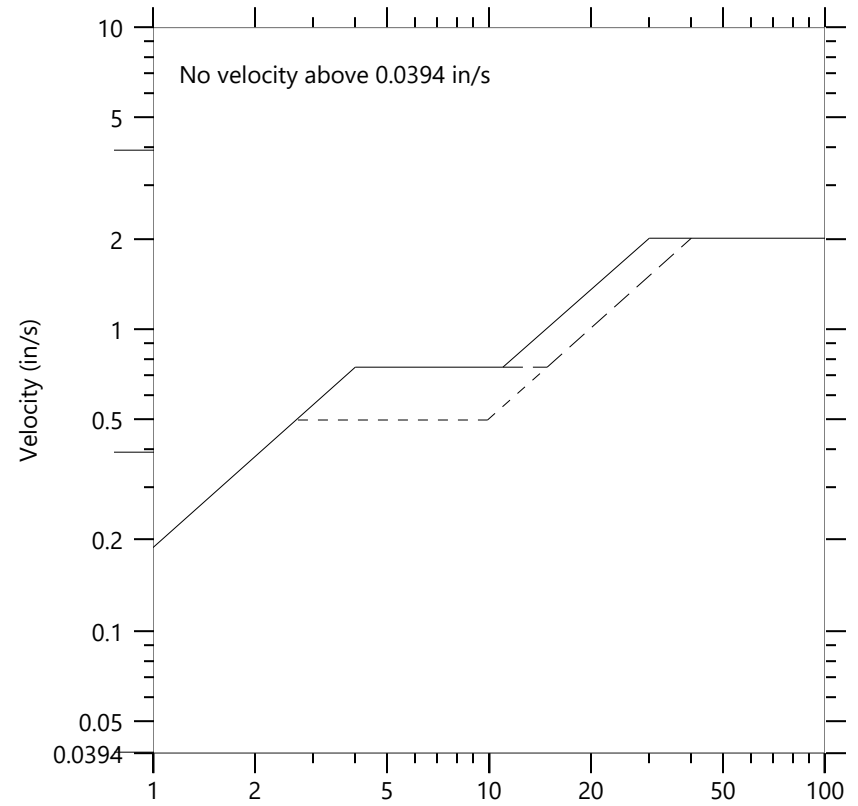
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0056 in/s	<0.005 in/s	<0.005 in/s
Zero Crossing Frequency	46.5 Hz	39.4 Hz	46.5 Hz
Date	Mar 14, 2026	Mar 14, 2026	Mar 14, 2026
Time	10:01:59	10:01:59	10:01:59
Sensor Check	✓ Passed	✓ Passed	✗ Check
Frequency	7.5 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.2	4.7	5.0

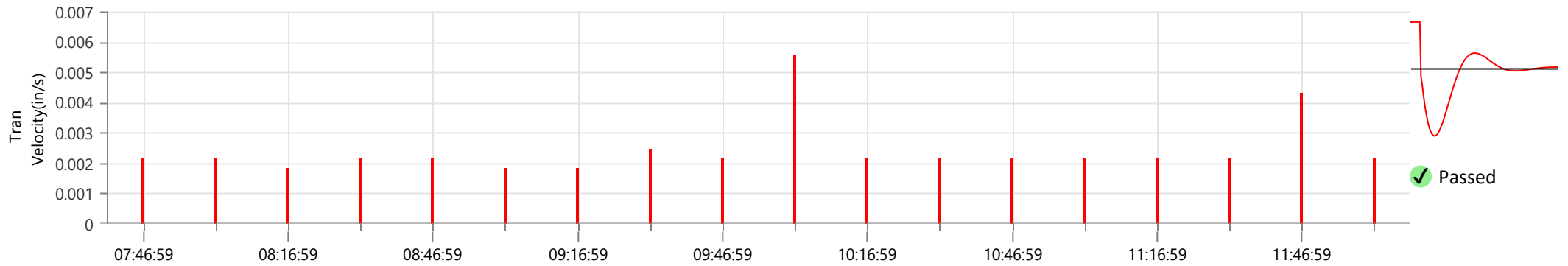
Peak Vector Sum 0.0063 in/s at March 14, 2026 10:01:59

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)

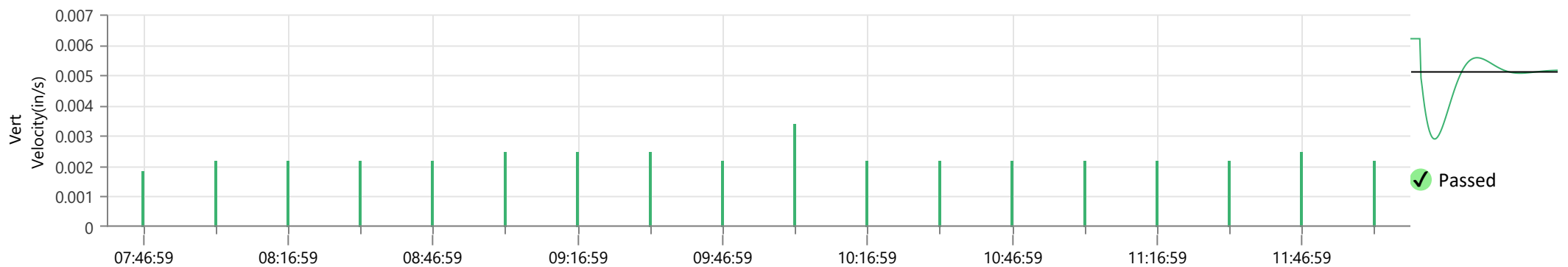


Frequency (Hz)  
+ Tran x Vert ø Long

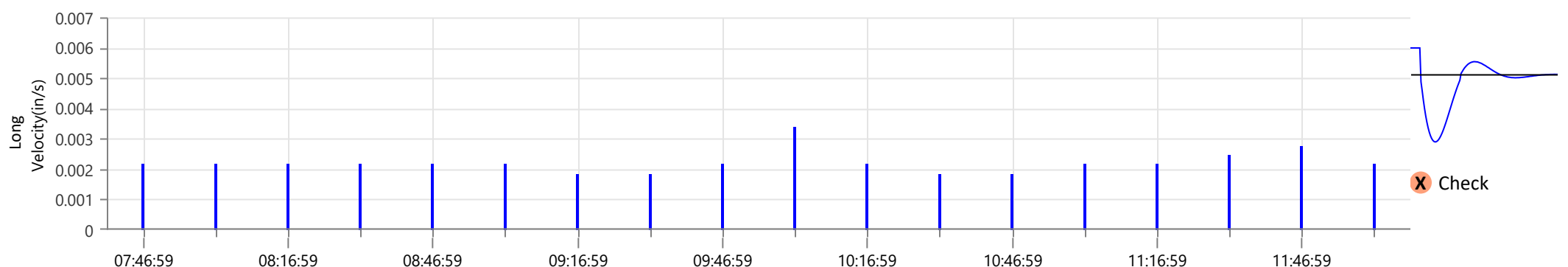
Sensor Check



✓ Passed



✓ Passed



✗ Check

**Start** March 14, 2026 12:01:52  
**Finish** March 14, 2026 16:59:59  
**Number of Intervals/Interval** 19.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260314120152.IDFH  
**USB Sensor Support** Disabled

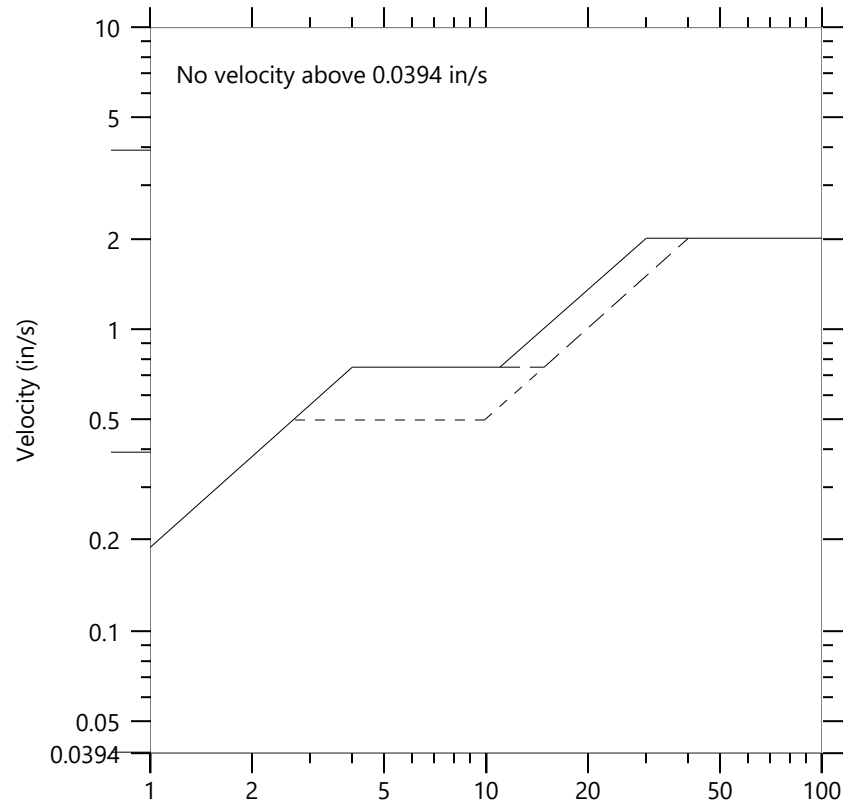
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

<b>Geophone</b>	<b>Tran</b>	<b>Vert</b>	<b>Long</b>
Peak Particle Velocity	<0.005 in/s	<0.005 in/s	<0.005 in/s
Zero Crossing Frequency	42.7 Hz	>100 Hz	>100 Hz
Date	Mar 14, 2026	Mar 14, 2026	Mar 14, 2026
Time	16:46:52	12:46:52	13:16:52
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.2	4.7	5.0

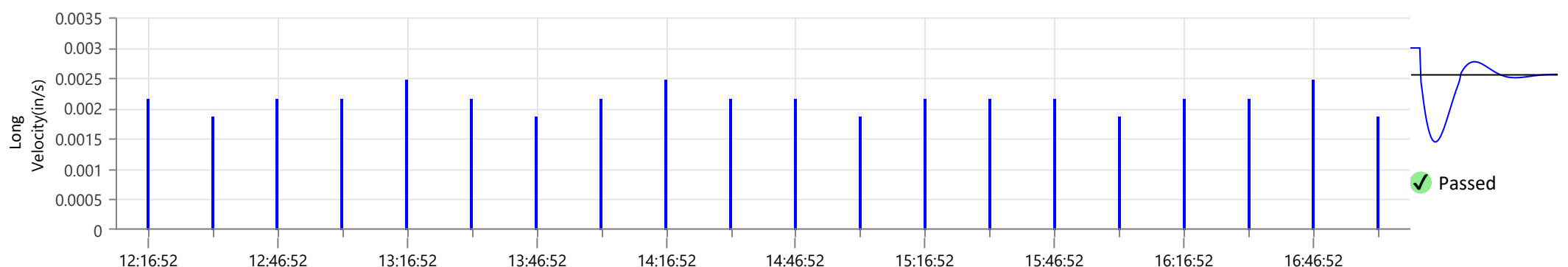
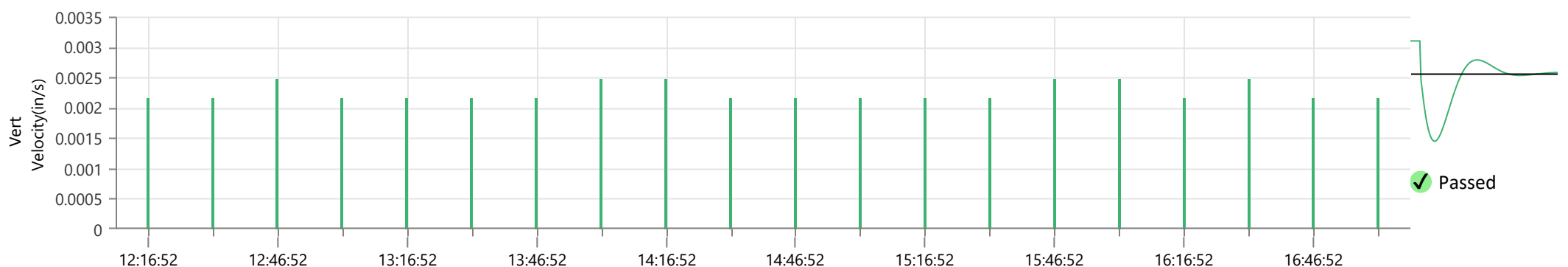
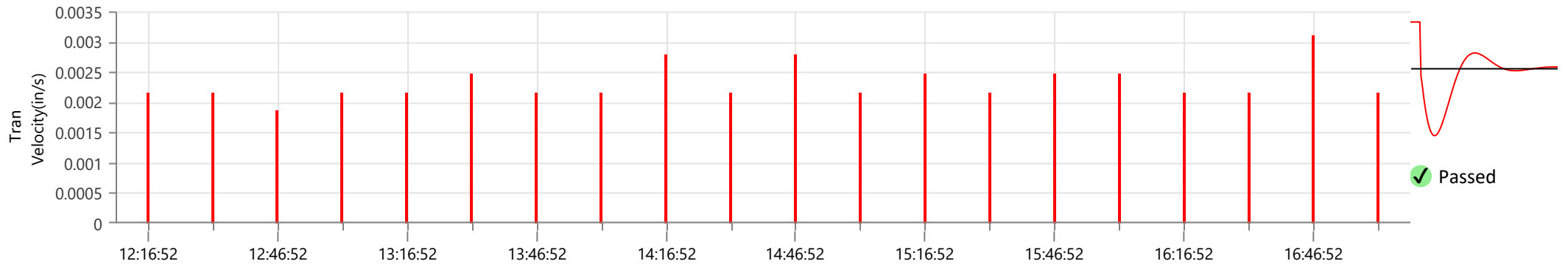
Peak Vector Sum 0.0032 in/s at March 14, 2026 14:16:52

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
+ Tran x Vert ø Long

Sensor Check



**Start** March 14, 2026 17:01:51  
**Finish** March 15, 2026 07:29:59  
**Number of Intervals/Interval** 57.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260314170151.IDFH  
**USB Sensor Support** Disabled

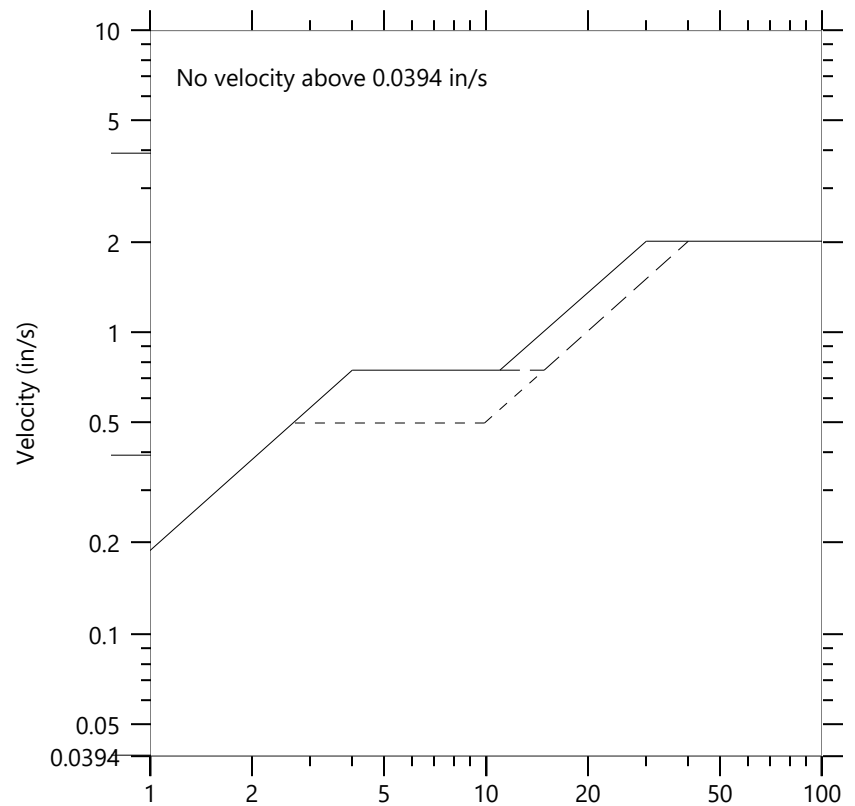
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0068 in/s	0.0056 in/s	<0.005 in/s
Zero Crossing Frequency	39.4 Hz	64.0 Hz	46.5 Hz
Date	Mar 14, 2026	Mar 14, 2026	Mar 14, 2026
Time	17:16:51	18:01:51	18:01:51
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.7 Hz
Overswing Ratio	4.1	4.6	5.1

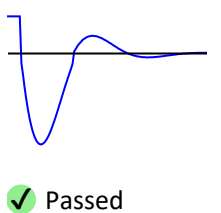
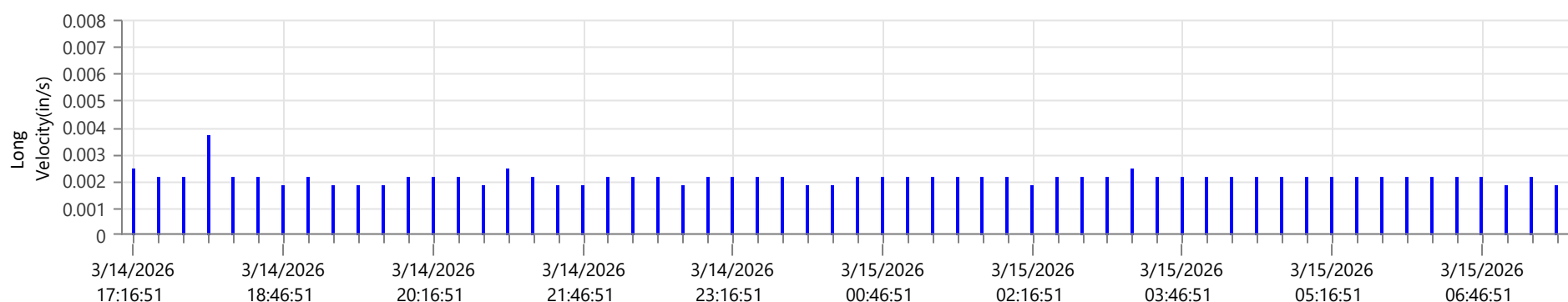
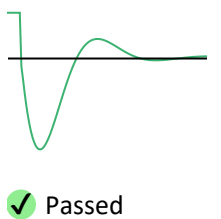
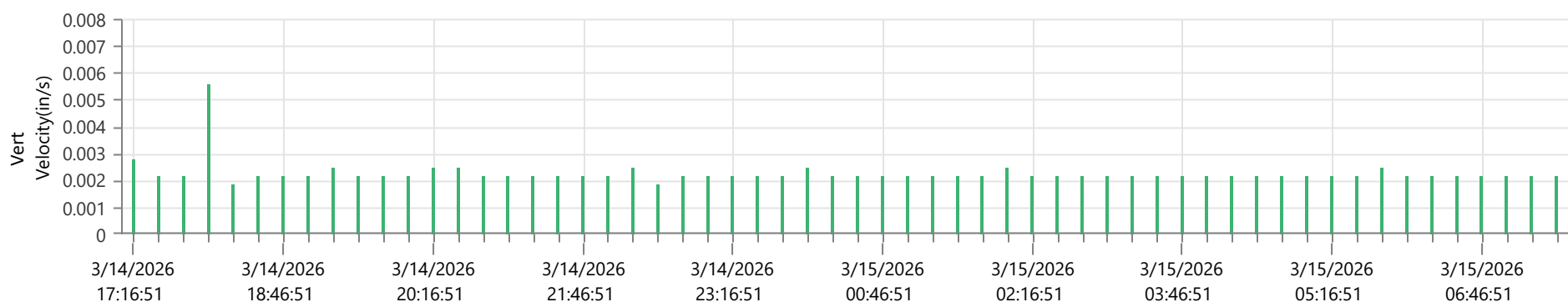
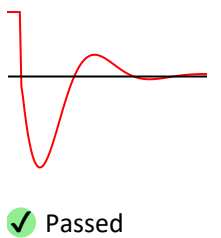
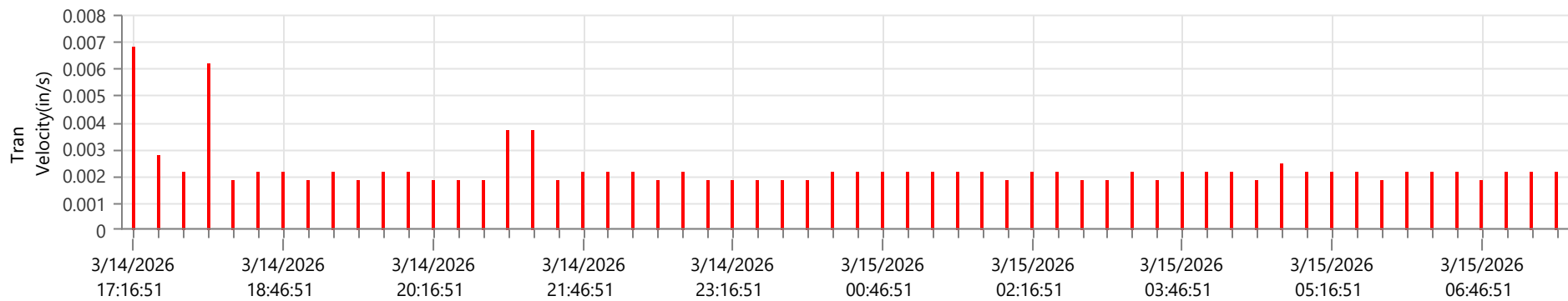
Peak Vector Sum 0.0078 in/s at March 14, 2026 18:01:51

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
+ Tran x Vert ø Long

Sensor Check



**Start** March 15, 2026 07:32:00  
**Finish** March 15, 2026 11:59:59  
**Number of Intervals/Interval** 17.87/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

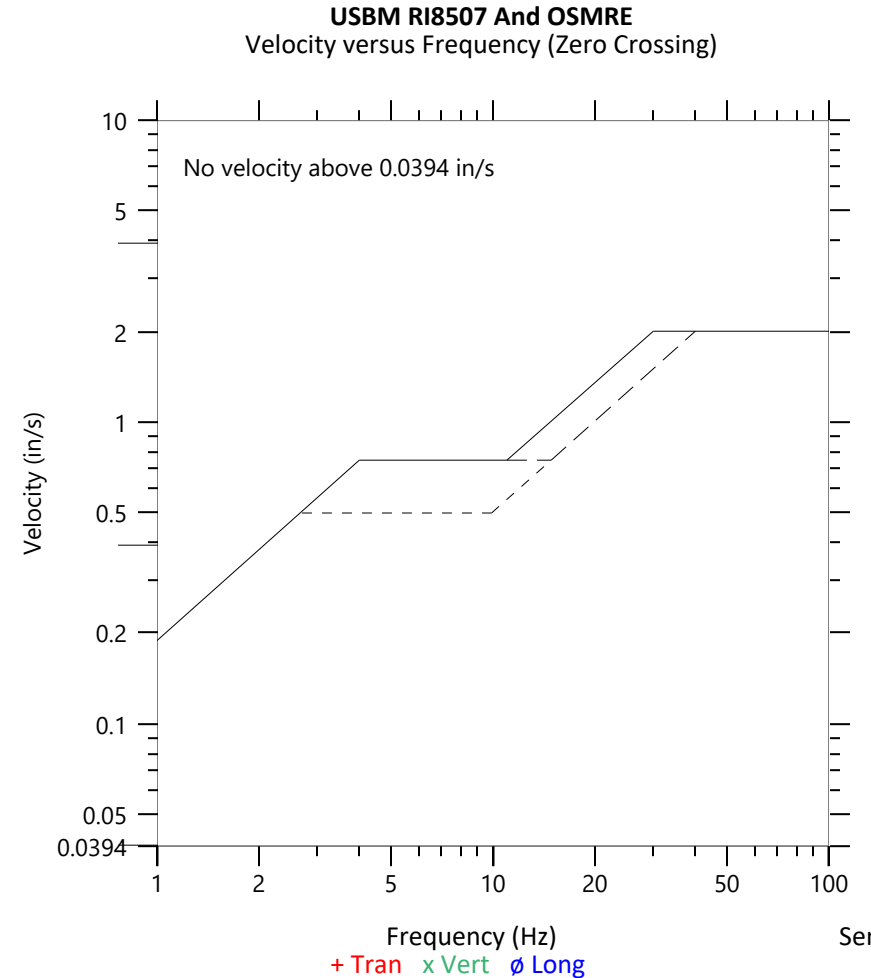
**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260315073200.IDFH  
**USB Sensor Support** Disabled

**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0208 in/s	0.0102 in/s	0.0084 in/s
Zero Crossing Frequency	46.5 Hz	51.2 Hz	42.7 Hz
Date	Mar 15, 2026	Mar 15, 2026	Mar 15, 2026
Time	10:32:00	10:32:00	10:32:00
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	6.9 Hz	7.3 Hz
Overswing Ratio	4.2	4.6	5.1

Peak Vector Sum 0.0231 in/s at March 15, 2026 10:32:00



**Start** March 15, 2026 12:01:51  
**Finish** March 15, 2026 16:59:59  
**Number of Intervals/Interval** 19.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260315120151.IDFH  
**USB Sensor Support** Disabled

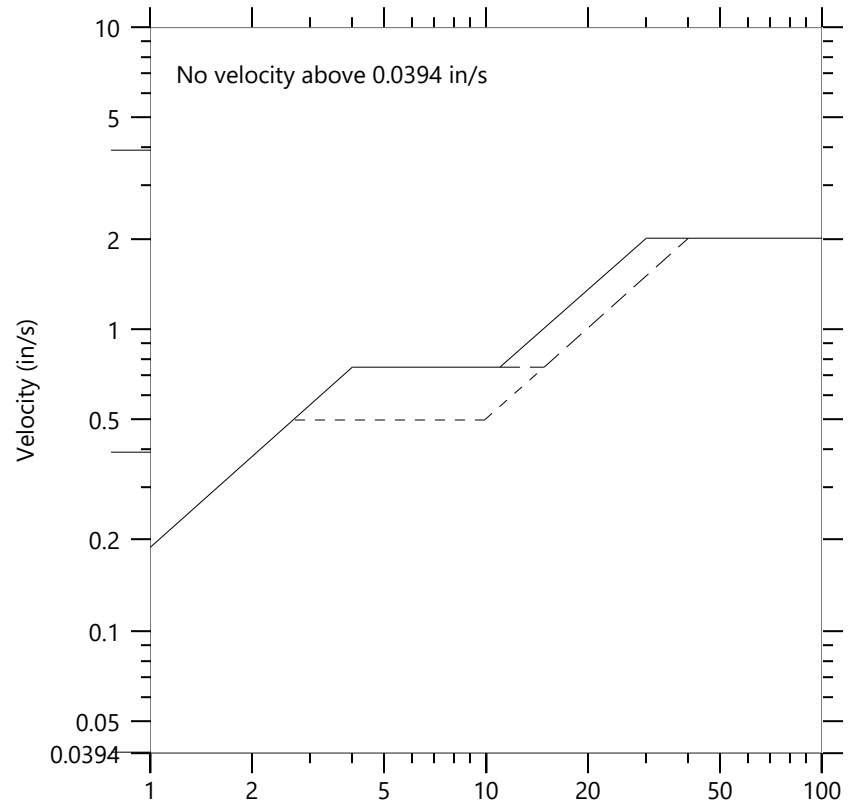
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

<b>Geophone</b>	<b>Tran</b>	<b>Vert</b>	<b>Long</b>
Peak Particle Velocity	<0.005 in/s	<0.005 in/s	<0.005 in/s
Zero Crossing Frequency	30.1 Hz	64.0 Hz	26.9 Hz
Date	Mar 15, 2026	Mar 15, 2026	Mar 15, 2026
Time	16:31:51	16:01:51	16:31:51
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.7 Hz
Overswing Ratio	4.1	4.6	5.1

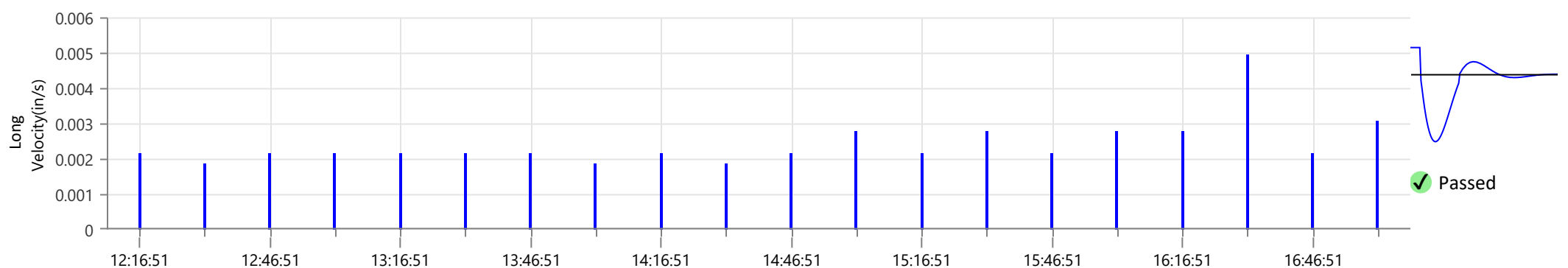
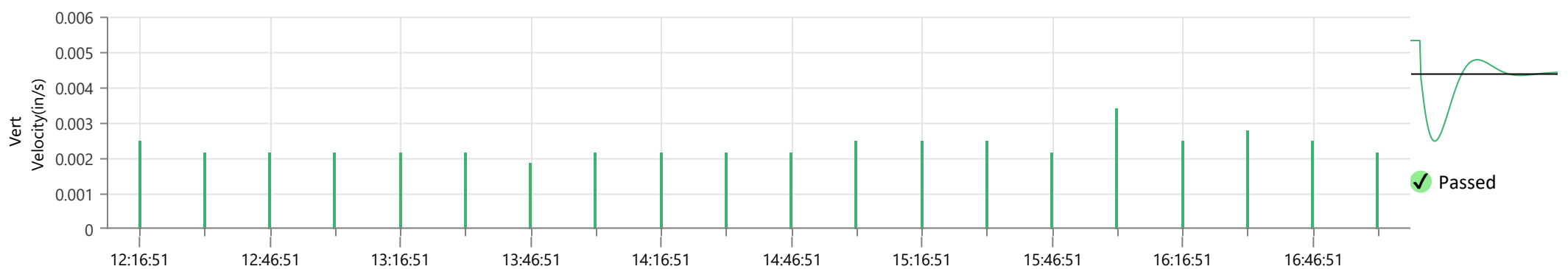
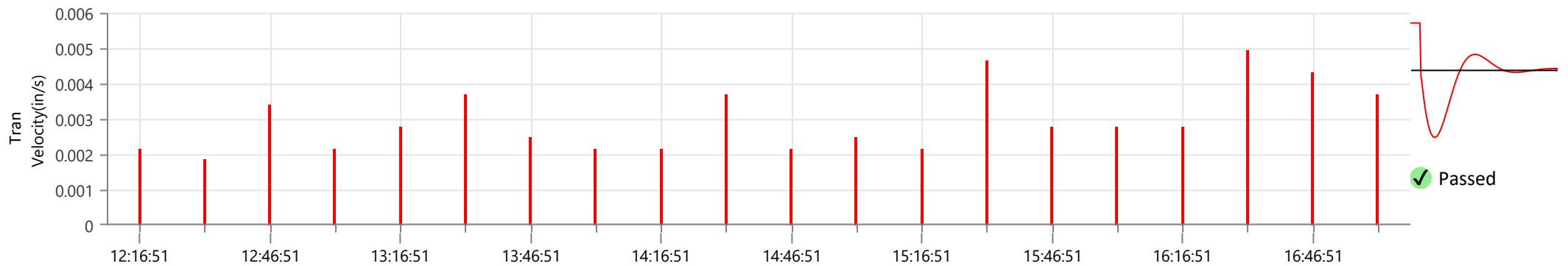
Peak Vector Sum 0.0068 in/s at March 15, 2026 16:31:51

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
 + Tran x Vert ø Long

Sensor Check



**Start** March 15, 2026 17:01:52  
**Finish** March 16, 2026 07:29:59  
**Number of Intervals/Interval** 57.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
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**Event File Name** UM17584\_20260315170152.IDFH  
**USB Sensor Support** Disabled

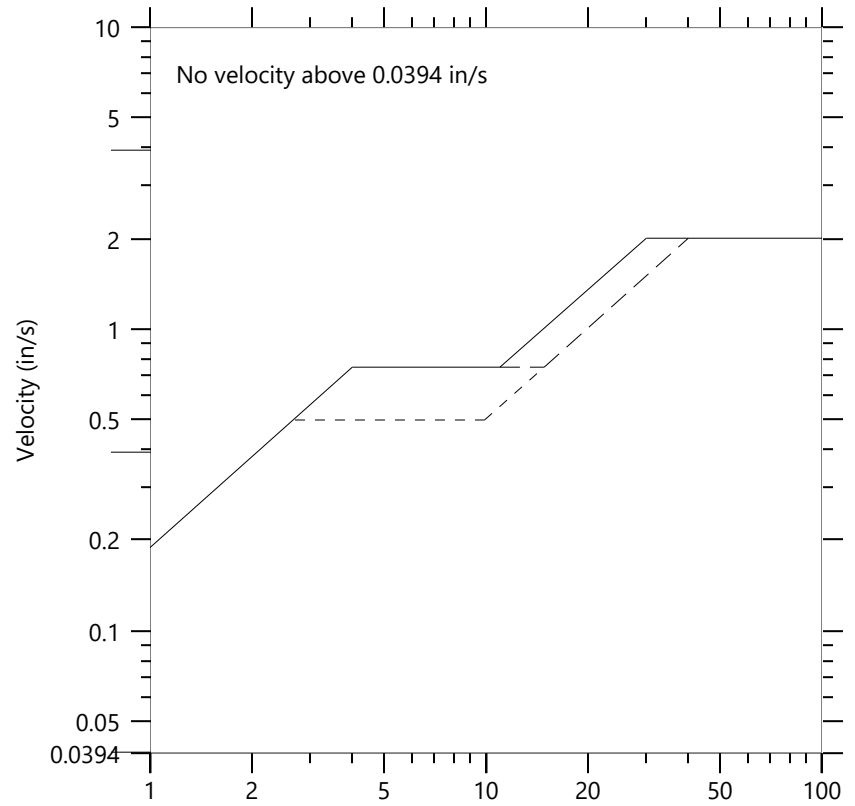
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0158 in/s	0.0289 in/s	0.0127 in/s
Zero Crossing Frequency	>100 Hz	>100 Hz	42.7 Hz
Date	Mar 16, 2026	Mar 16, 2026	Mar 15, 2026
Time	02:01:52	02:01:52	18:16:52
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.7 Hz
Overswing Ratio	4.1	4.5	5.1

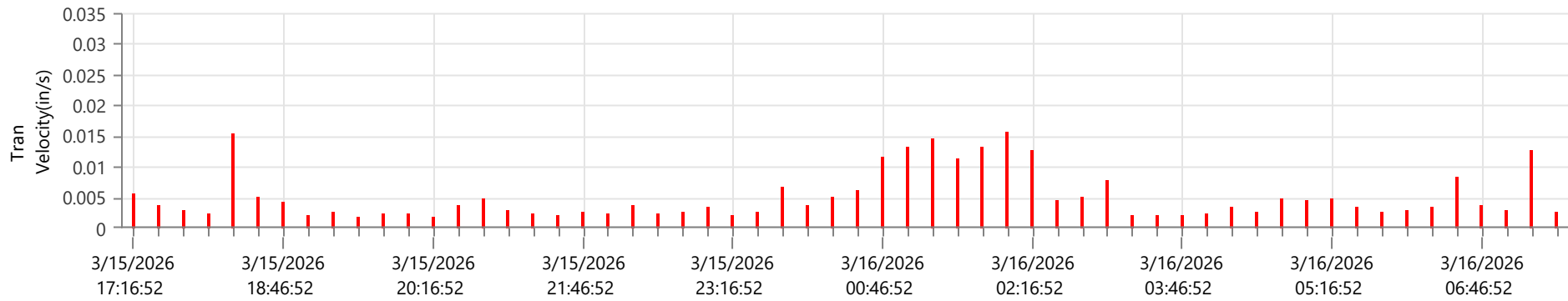
Peak Vector Sum 0.0302 in/s at March 16, 2026 02:01:52

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)

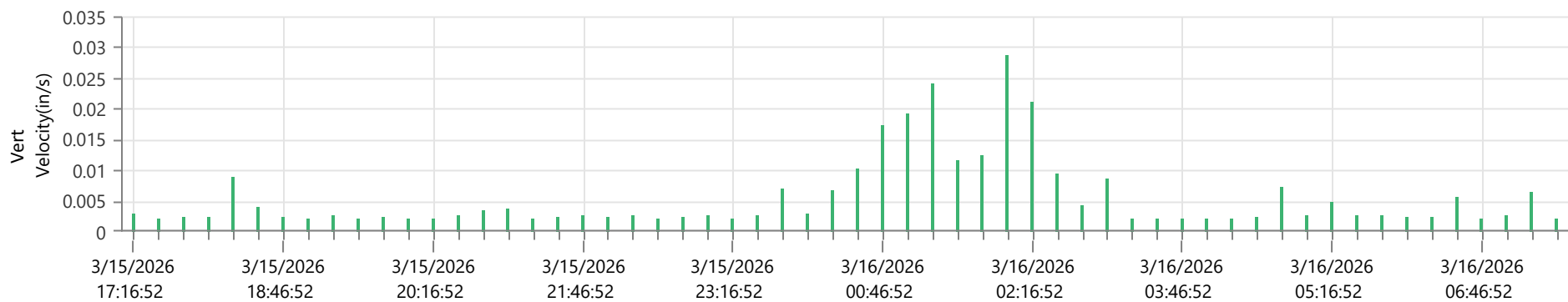


Frequency (Hz)  
 + Tran x Vert ø Long

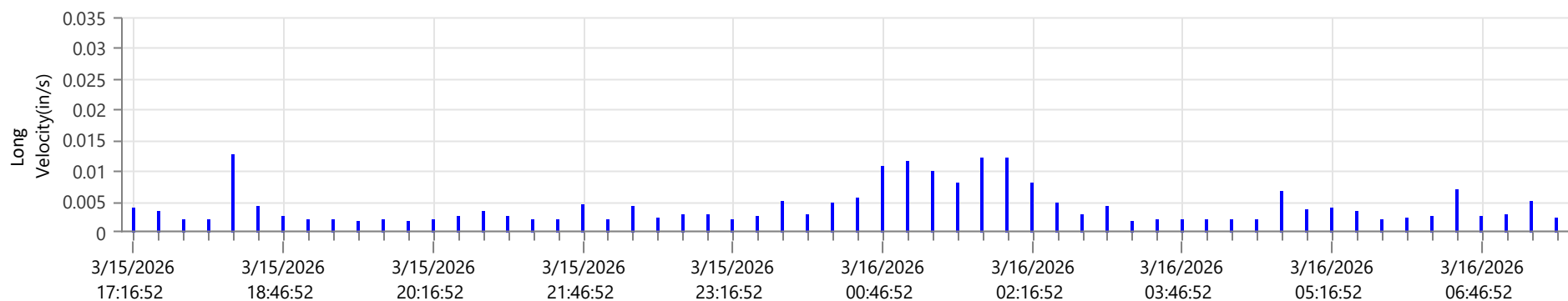
Sensor Check



✓ Passed



✓ Passed



✓ Passed

**Start** March 16, 2026 07:31:58  
**Finish** March 16, 2026 11:59:59  
**Number of Intervals/Interval** 17.87/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260316073158.IDFH  
**USB Sensor Support** Disabled

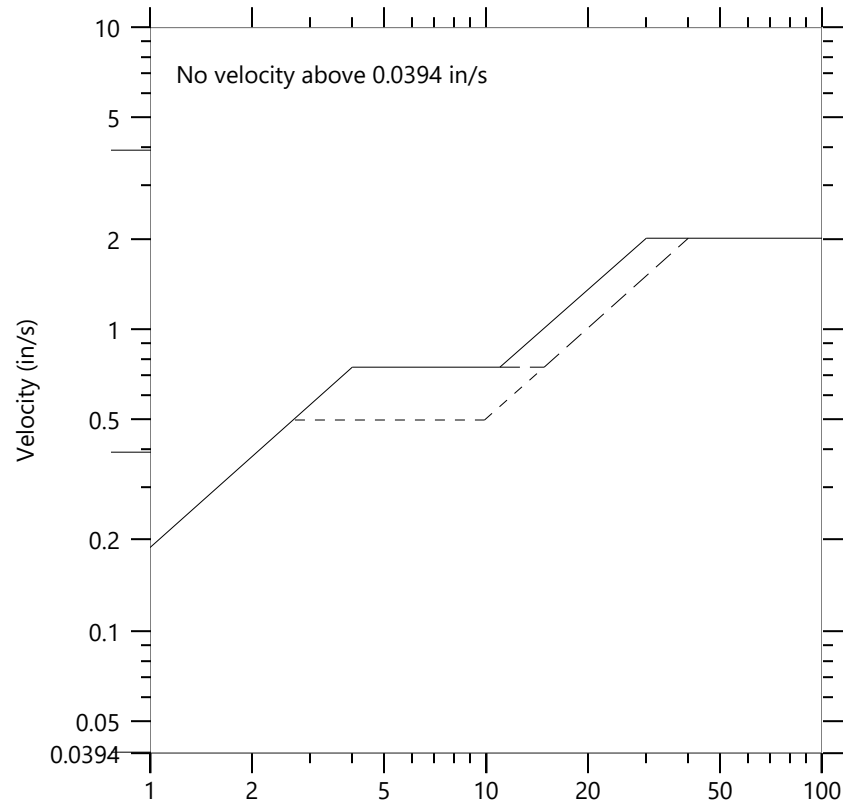
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0102 in/s	0.0068 in/s	0.0062 in/s
Zero Crossing Frequency	39.4 Hz	51.2 Hz	39.4 Hz
Date	Mar 16, 2026	Mar 16, 2026	Mar 16, 2026
Time	08:01:58	07:46:58	07:46:58
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.9 Hz
Overswing Ratio	4.1	4.6	5.1

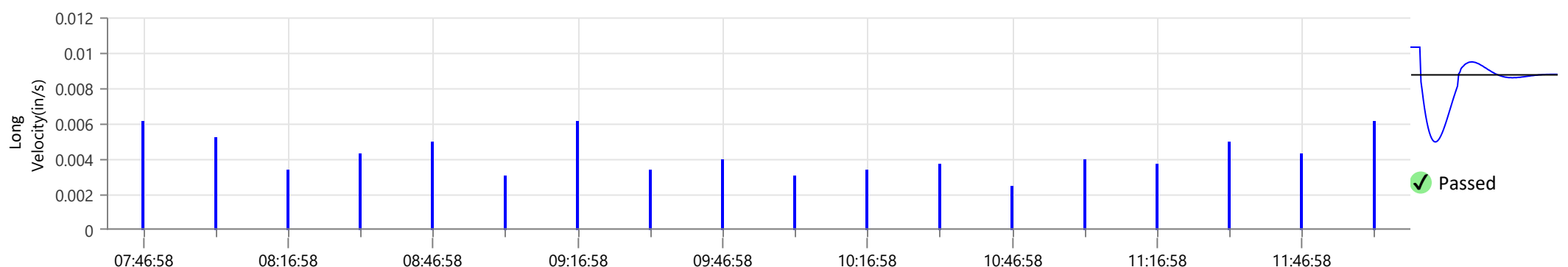
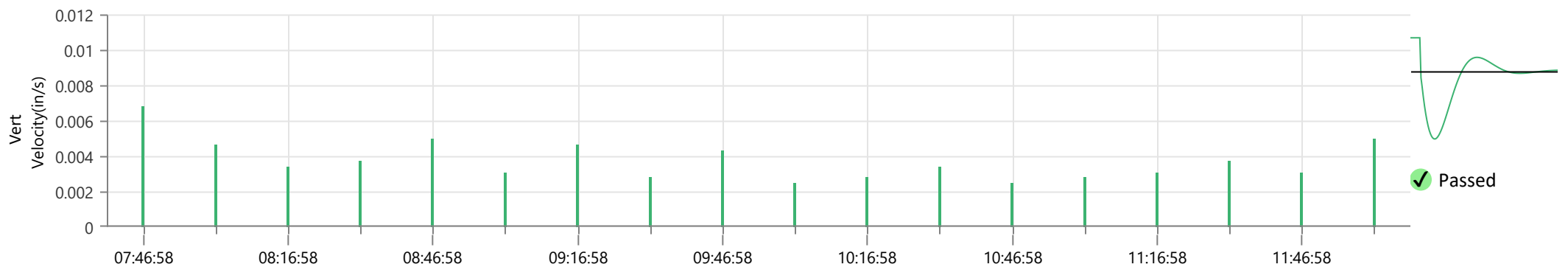
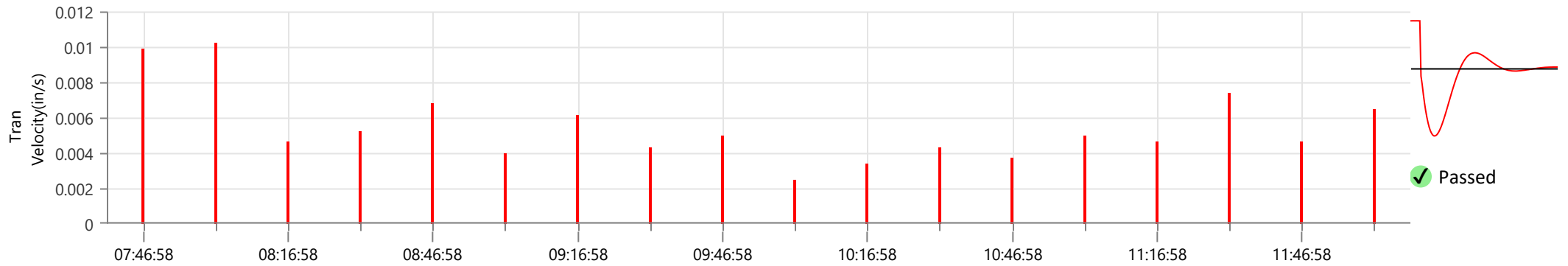
Peak Vector Sum 0.0114 in/s at March 16, 2026 07:46:58

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
+ Tran x Vert ø Long

Sensor Check



**Start** March 16, 2026 12:01:52  
**Finish** March 16, 2026 16:59:59  
**Number of Intervals/Interval** 19.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

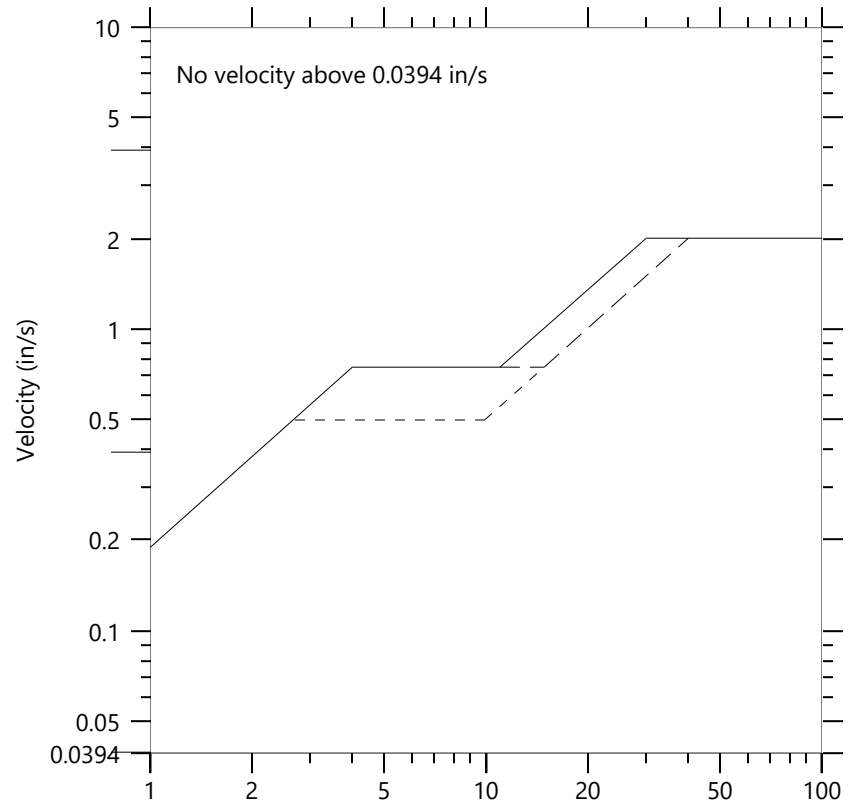
**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260316120152.IDFH  
**USB Sensor Support** Disabled

**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

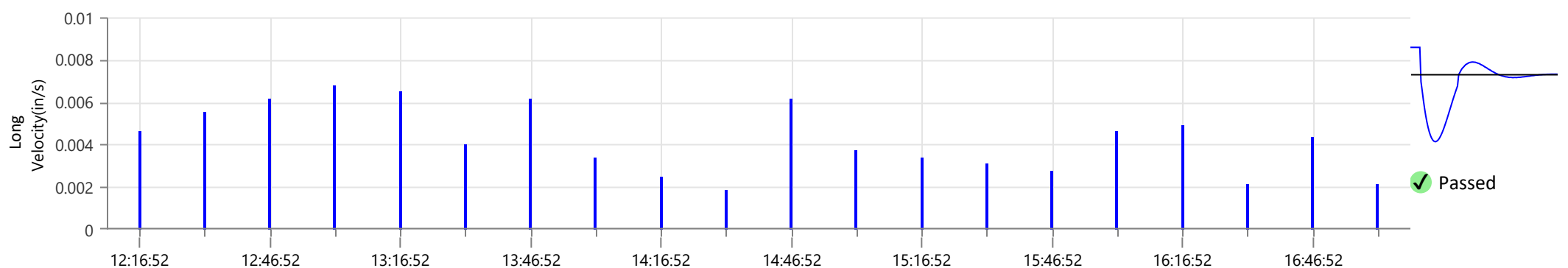
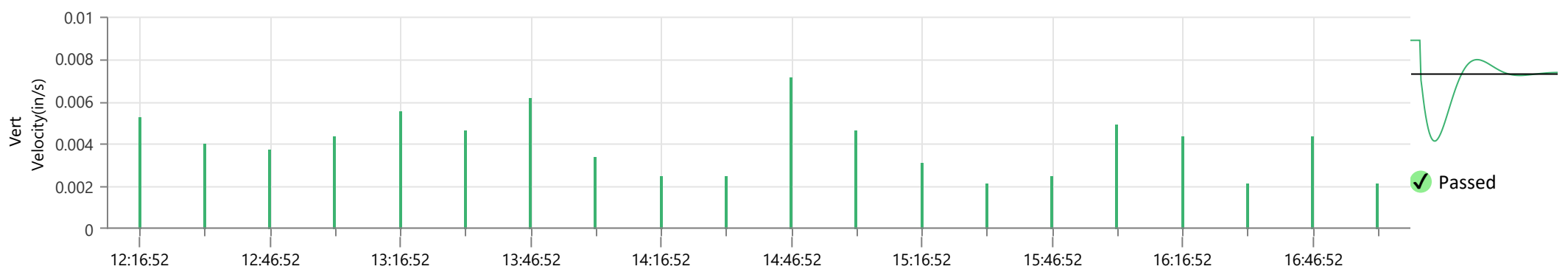
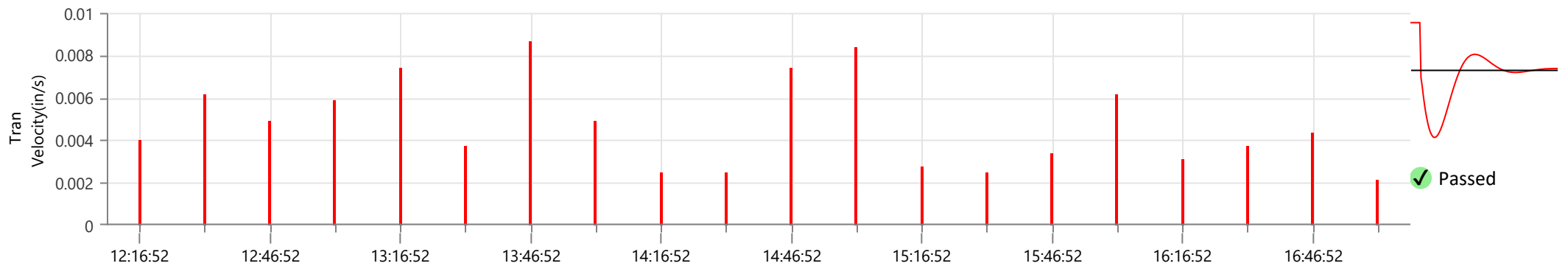
Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0087 in/s	0.0071 in/s	0.0068 in/s
Zero Crossing Frequency	18.3 Hz	20.5 Hz	30.1 Hz
Date	Mar 16, 2026	Mar 16, 2026	Mar 16, 2026
Time	13:46:52	14:46:52	13:01:52
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.9 Hz
Overswing Ratio	4.1	4.6	5.2
Peak Vector Sum	0.0109 in/s at March 16, 2026 13:46:52		

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
 + Tran x Vert ø Long

Sensor Check



**Start** March 16, 2026 17:01:51  
**Finish** March 17, 2026 07:29:59  
**Number of Intervals/Interval** 57.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

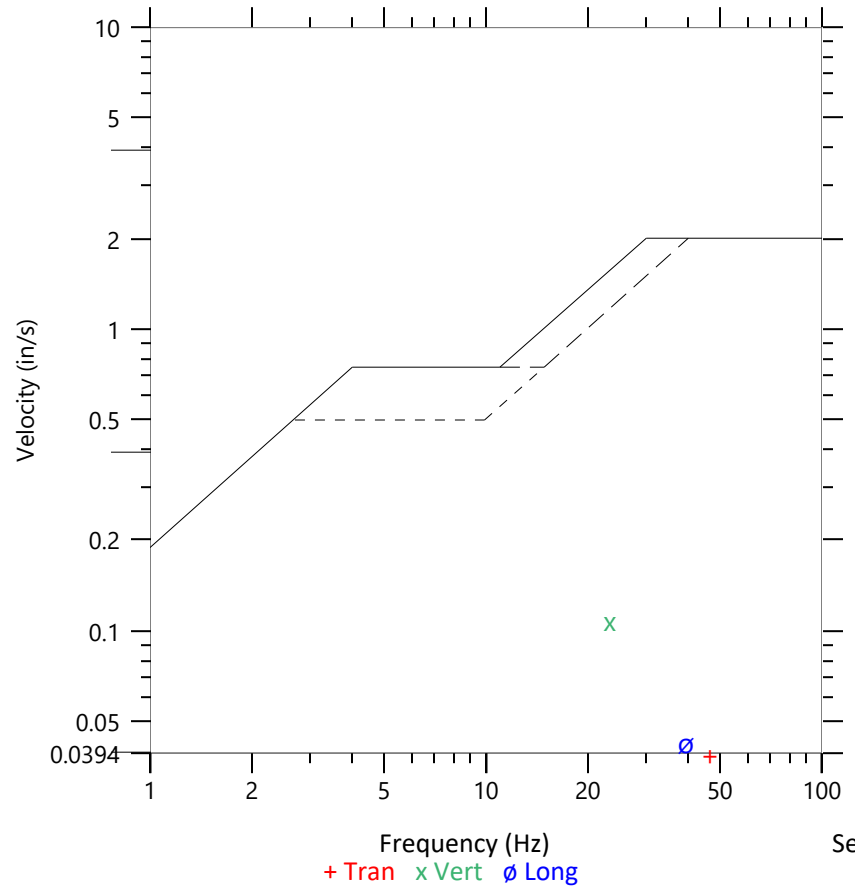
**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260316170151.IDFH  
**USB Sensor Support** Disabled

**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

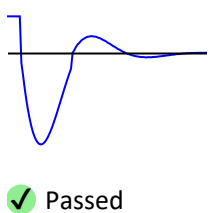
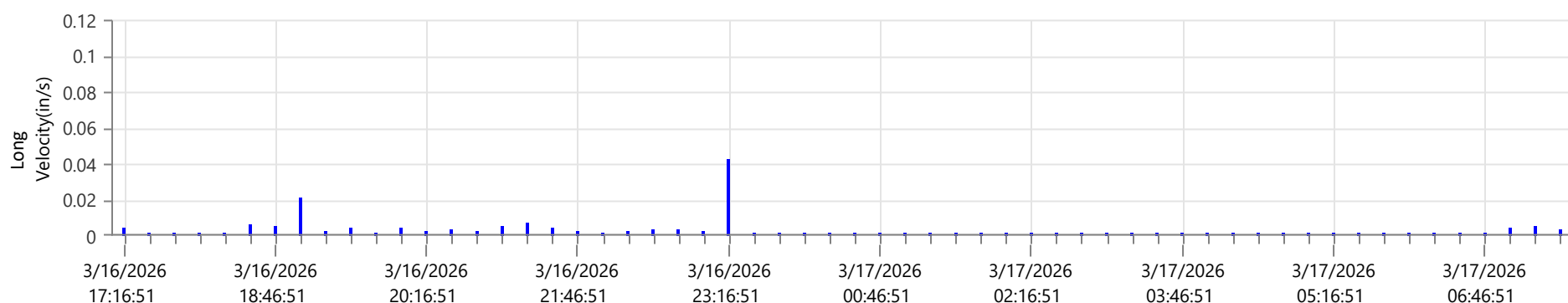
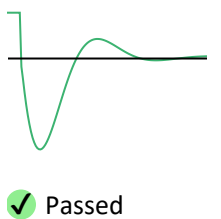
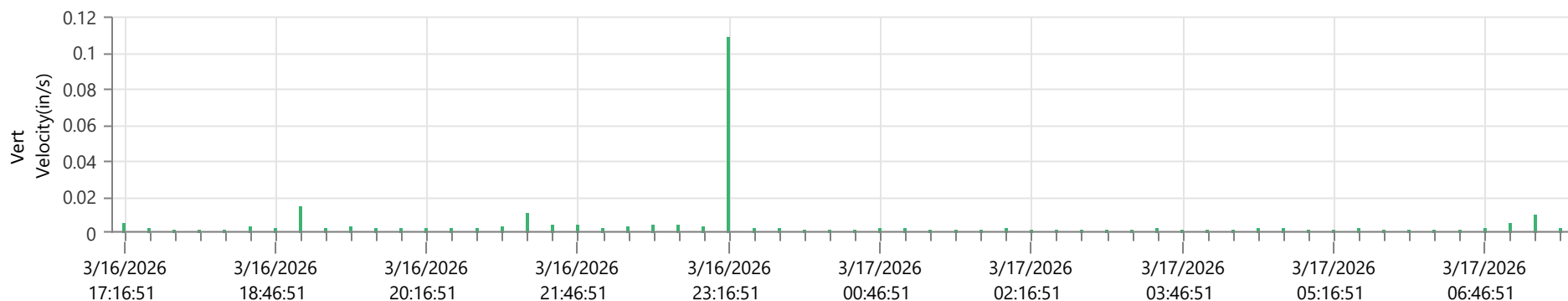
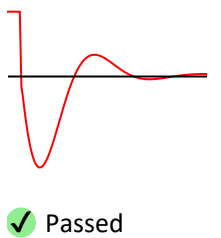
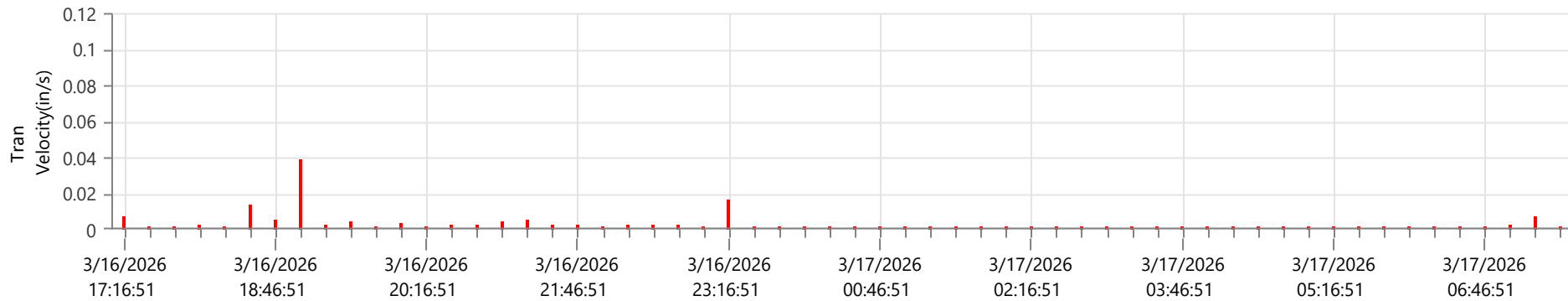
Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0394 in/s	0.1089 in/s	0.0431 in/s
Zero Crossing Frequency	46.5 Hz	23.3 Hz	39.4 Hz
Date	Mar 16, 2026	Mar 16, 2026	Mar 16, 2026
Time	19:01:51	23:16:51	23:16:51
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.9 Hz
Overswing Ratio	4.1	4.6	5.2
Peak Vector Sum	0.1105 in/s at March 16, 2026 23:16:51		

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Sensor Check

+ Tran x Vert o Long



**Start** March 17, 2026 07:31:59  
**Finish** March 17, 2026 11:59:59  
**Number of Intervals/Interval** 17.87/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260317073159.IDFH  
**USB Sensor Support** Disabled

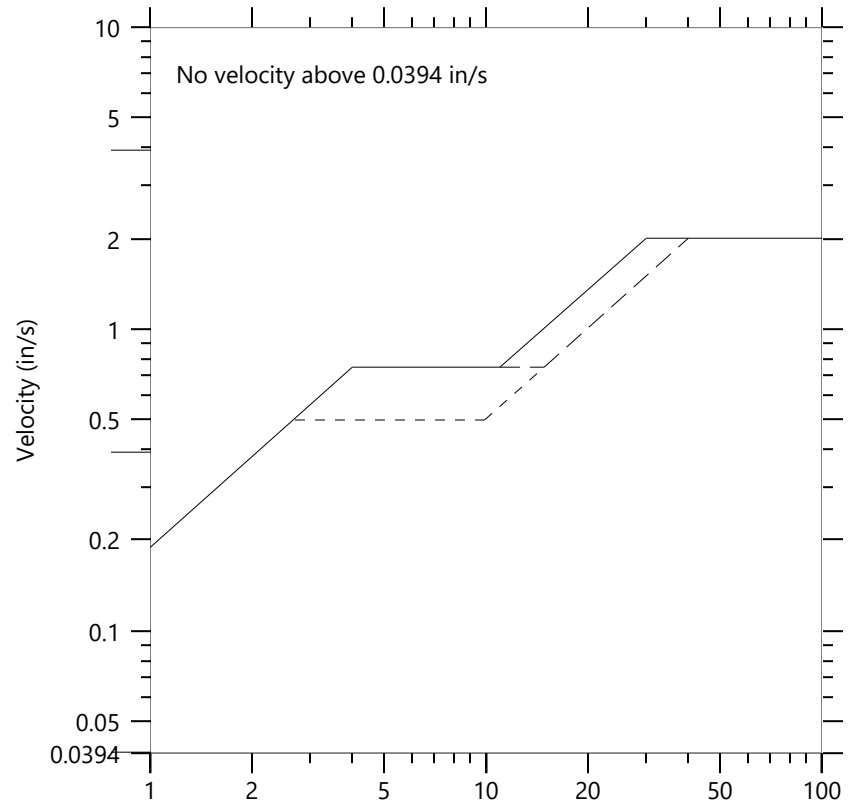
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0133 in/s	0.0273 in/s	0.0186 in/s
Zero Crossing Frequency	>100 Hz	64.0 Hz	85.3 Hz
Date	Mar 17, 2026	Mar 17, 2026	Mar 17, 2026
Time	11:46:59	11:46:59	11:46:59
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.7	5.0

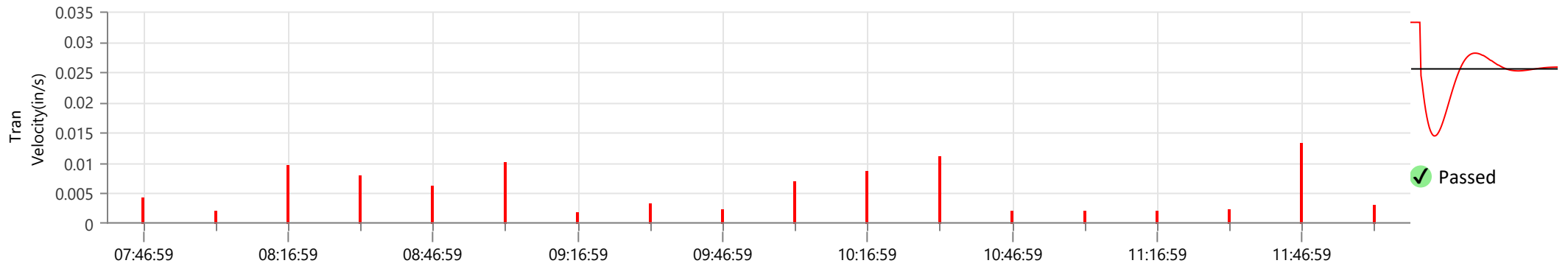
Peak Vector Sum 0.0298 in/s at March 17, 2026 11:46:59

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)

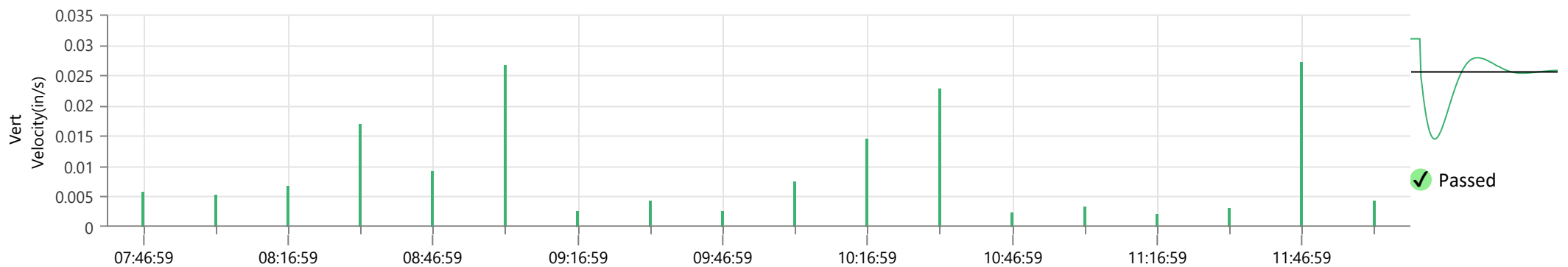


Frequency (Hz)  
+ Tran x Vert ø Long

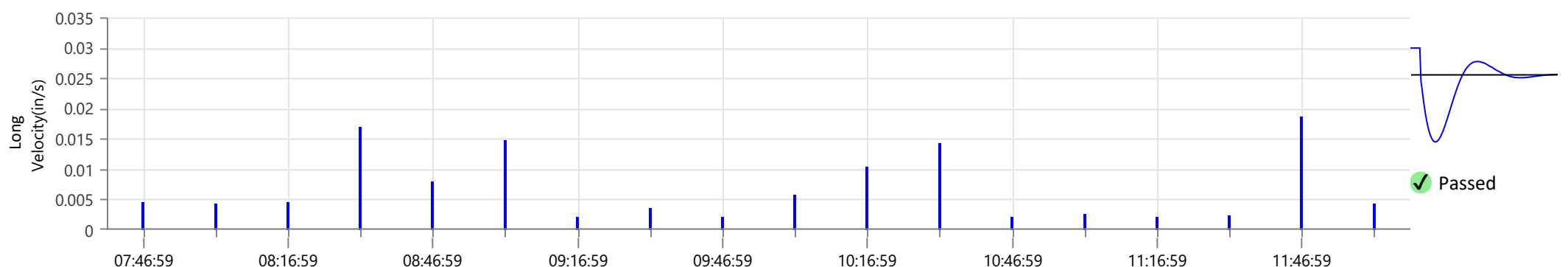
Sensor Check



✓ Passed



✓ Passed



✓ Passed

**Start** March 17, 2026 12:01:51  
**Finish** March 17, 2026 16:59:59  
**Number of Intervals/Interval** 19.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

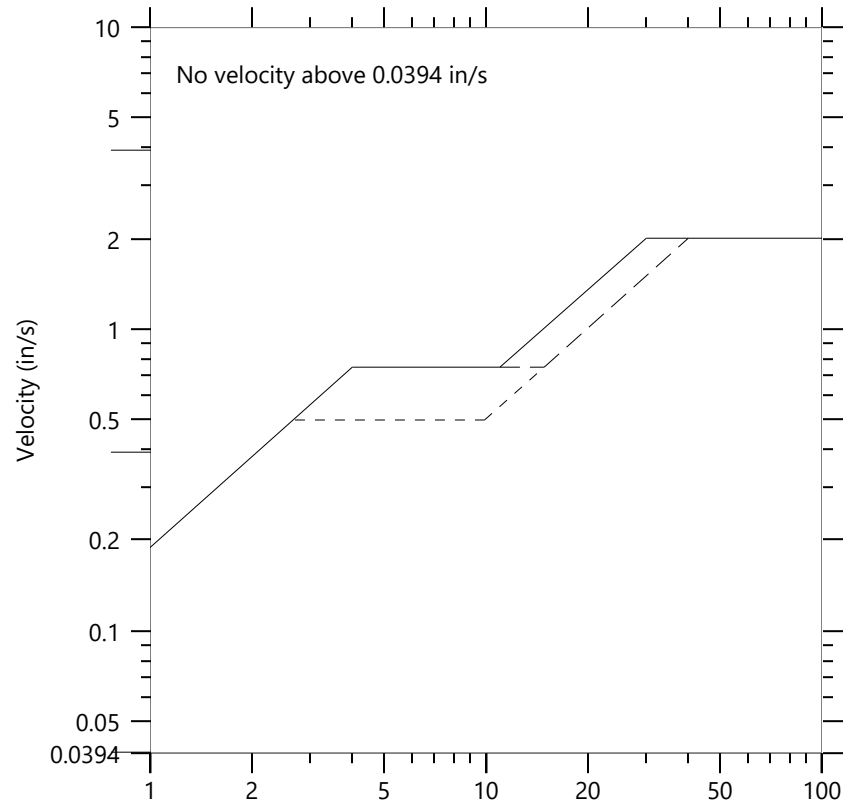
**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260317120151.IDFH  
**USB Sensor Support** Disabled

**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

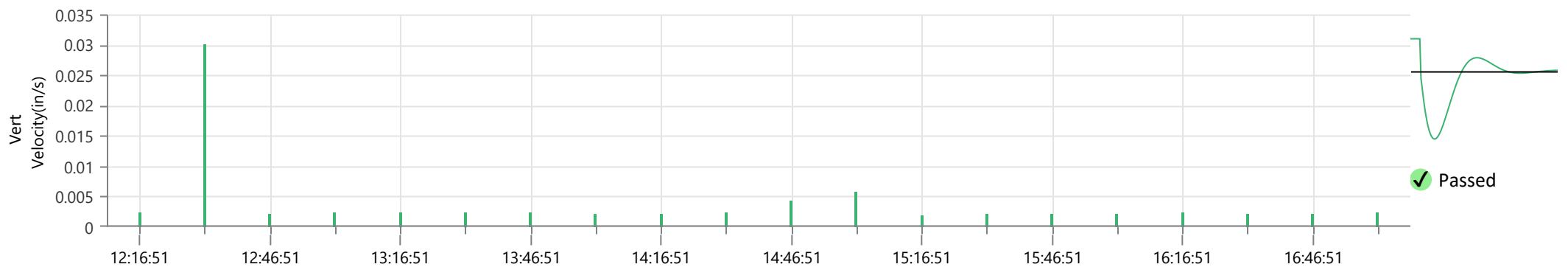
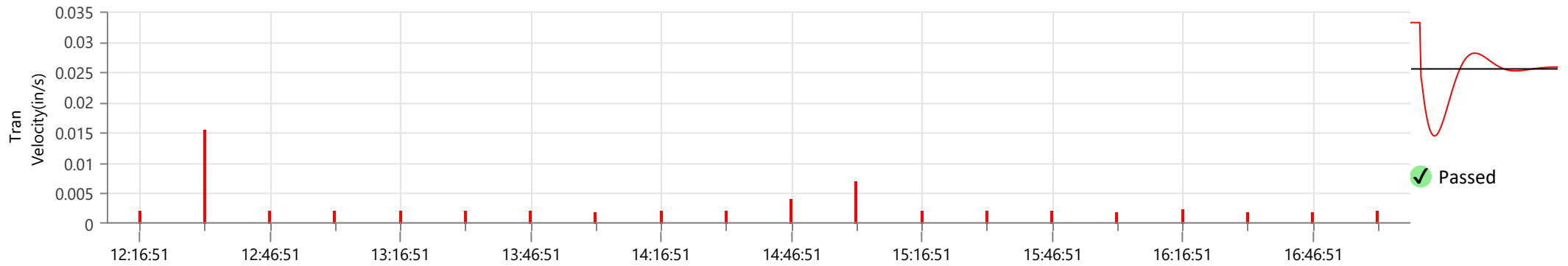
Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0155 in/s	0.0301 in/s	0.0233 in/s
Zero Crossing Frequency	>100 Hz	>100 Hz	>100 Hz
Date	Mar 17, 2026	Mar 17, 2026	Mar 17, 2026
Time	12:31:51	12:31:51	12:31:51
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.7	5.0
Peak Vector Sum	0.0305 in/s at March 17, 2026 12:31:51		

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
 + Tran x Vert ø Long

Sensor Check



**Start** March 17, 2026 17:01:51  
**Finish** March 18, 2026 07:29:59  
**Number of Intervals/Interval** 57.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260317170151.IDFH  
**USB Sensor Support** Disabled

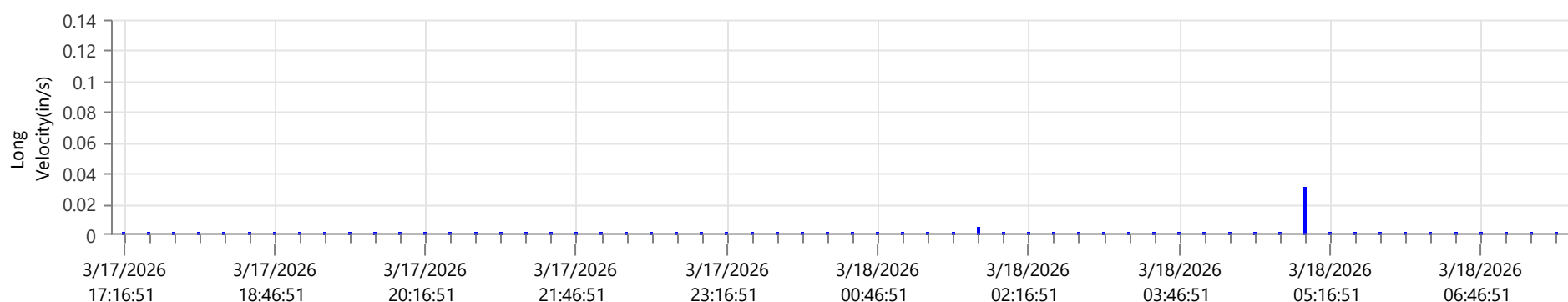
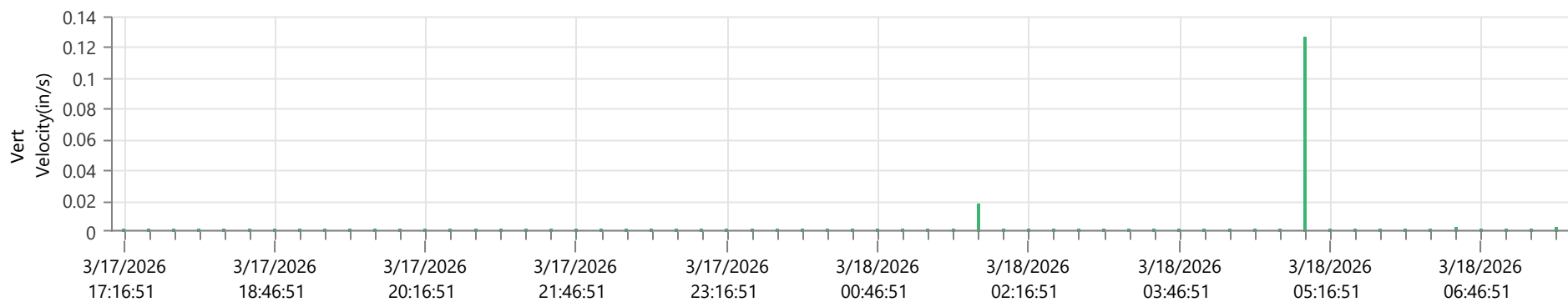
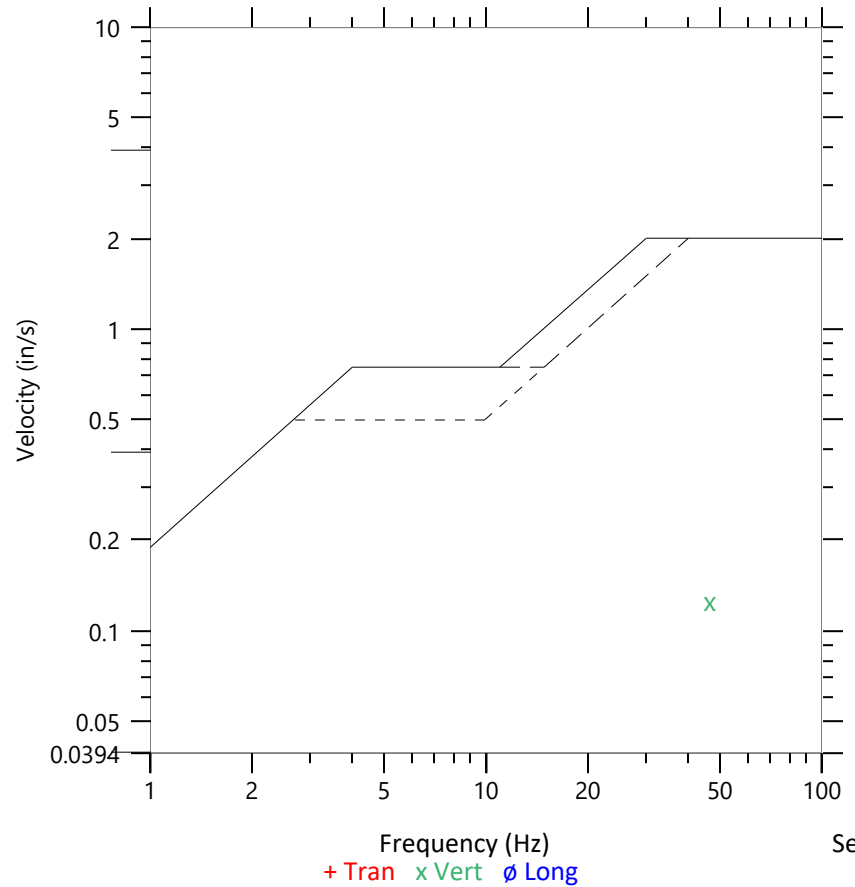
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0189 in/s	0.1266 in/s	0.0320 in/s
Zero Crossing Frequency	>100 Hz	46.5 Hz	56.9 Hz
Date	Mar 18, 2026	Mar 18, 2026	Mar 18, 2026
Time	05:01:51	05:01:51	05:01:51
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.7	5.0

Peak Vector Sum 0.1268 in/s at March 18, 2026 05:01:51

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



**Start** March 18, 2026 07:31:59  
**Finish** March 18, 2026 11:59:59  
**Number of Intervals/Interval** 17.87/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260318073159.IDFH  
**USB Sensor Support** Disabled

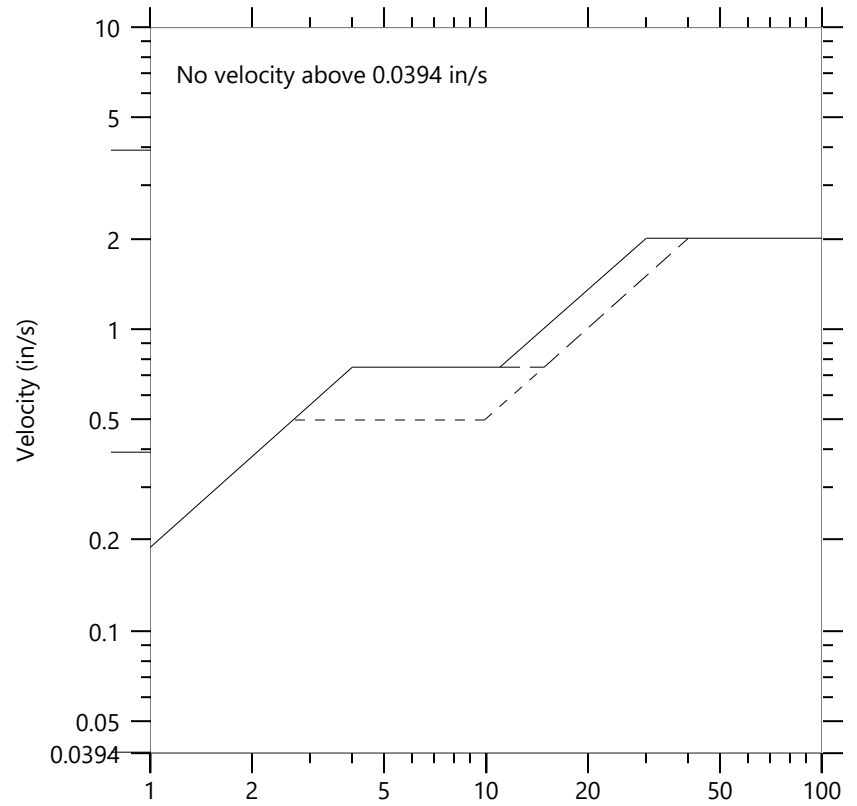
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0074 in/s	0.0127 in/s	0.0065 in/s
Zero Crossing Frequency	22.3 Hz	24.4 Hz	28.4 Hz
Date	Mar 18, 2026	Mar 18, 2026	Mar 18, 2026
Time	09:01:59	09:01:59	09:01:59
Sensor Check	✓ Passed	✓ Passed	✗ Check
Frequency	7.5 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.7	5.0

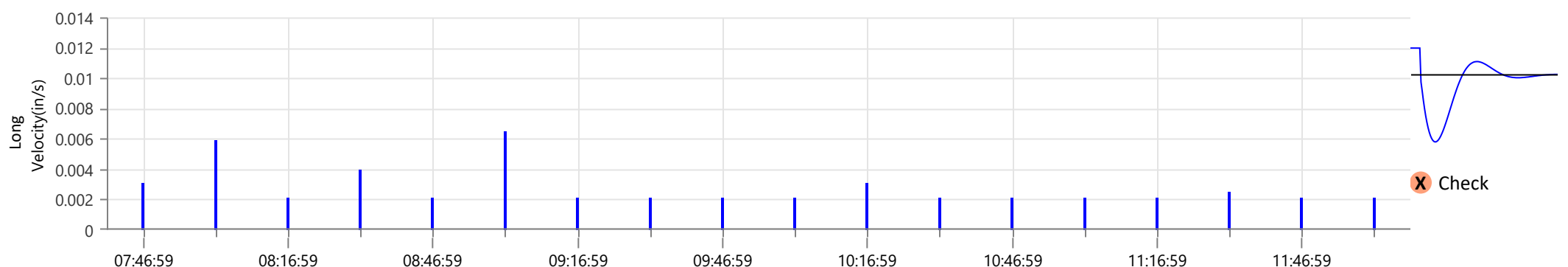
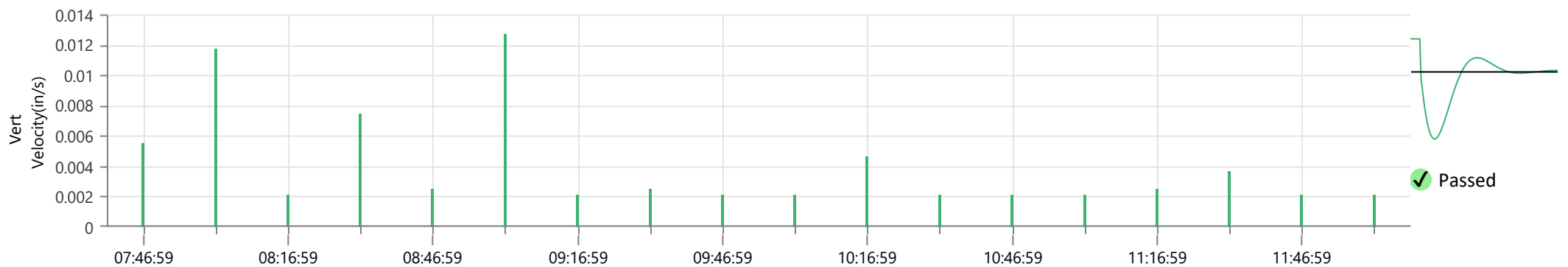
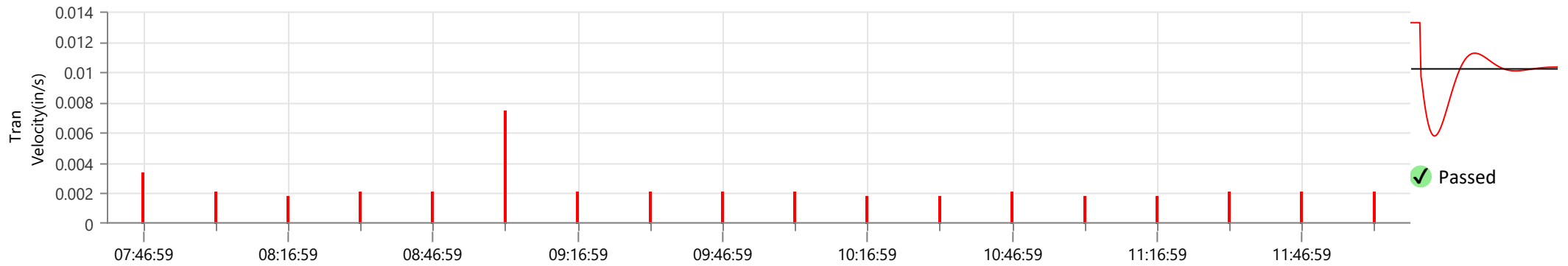
Peak Vector Sum 0.0147 in/s at March 18, 2026 09:01:59

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
+ Tran x Vert ø Long

Sensor Check



**Start** March 18, 2026 12:01:52  
**Finish** March 18, 2026 16:59:59  
**Number of Intervals/Interval** 19.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260318120152.IDFH  
**USB Sensor Support** Disabled

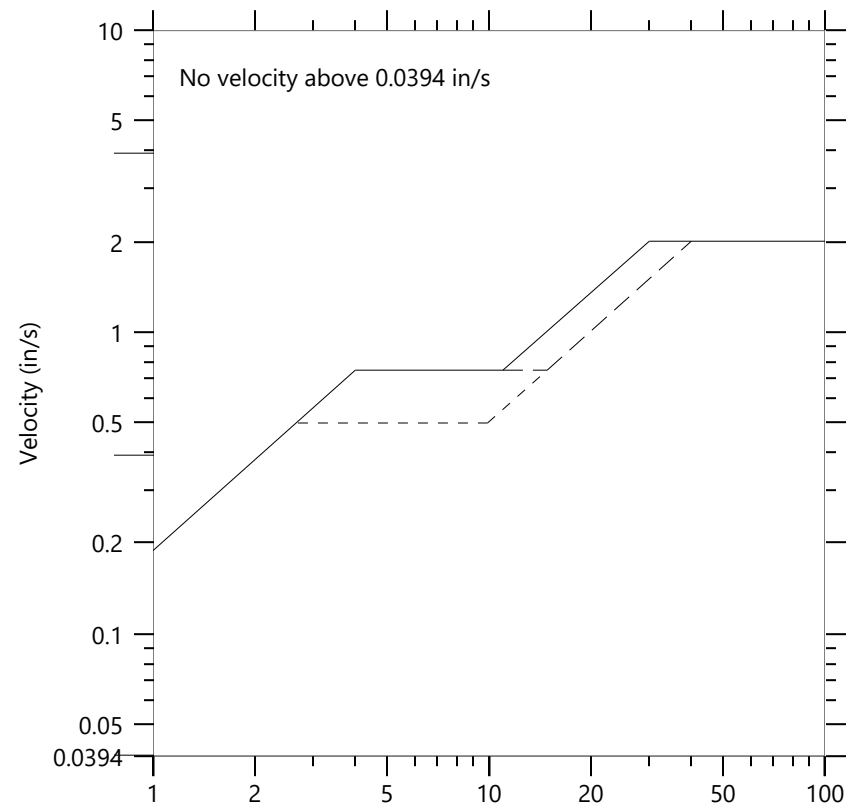
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0099 in/s	0.0127 in/s	0.0078 in/s
Zero Crossing Frequency	18.3 Hz	24.4 Hz	64.0 Hz
Date	Mar 18, 2026	Mar 18, 2026	Mar 18, 2026
Time	14:16:52	14:16:52	15:16:52
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.7	5.0

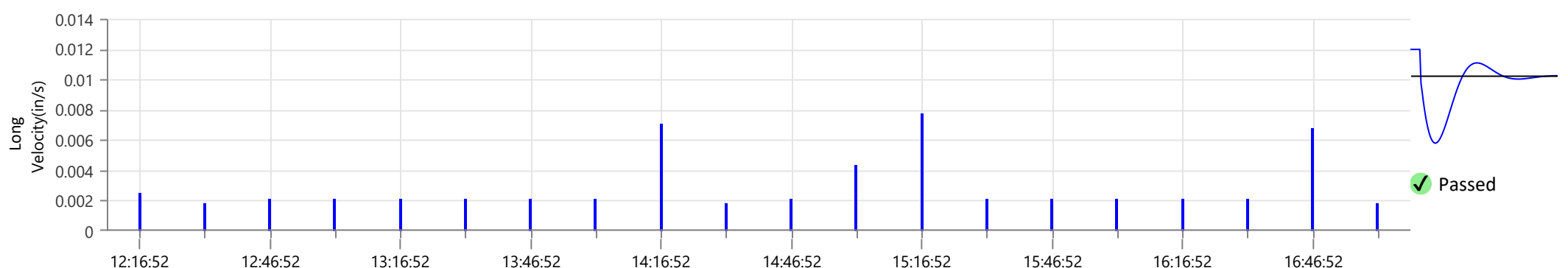
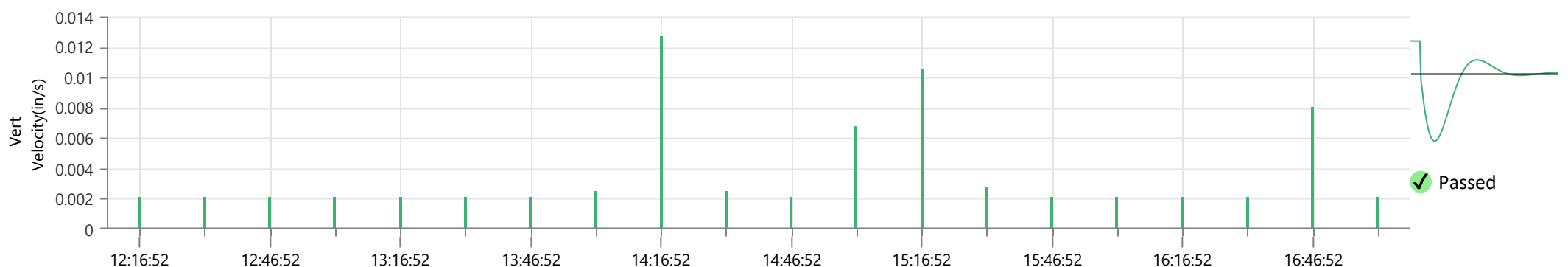
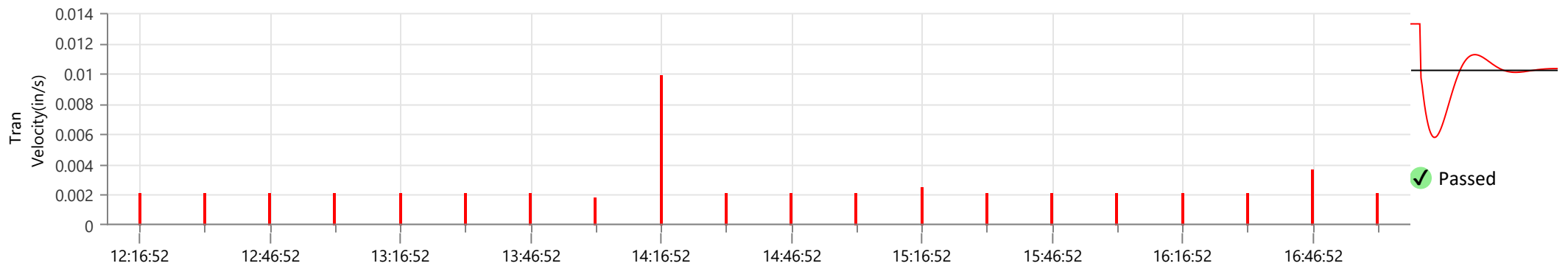
Peak Vector Sum 0.0164 in/s at March 18, 2026 14:16:52

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
 + Tran x Vert ø Long

Sensor Check



**Start** March 18, 2026 17:01:51  
**Finish** March 19, 2026 07:29:59  
**Number of Intervals/Interval** 57.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260318170151.IDFH  
**USB Sensor Support** Disabled

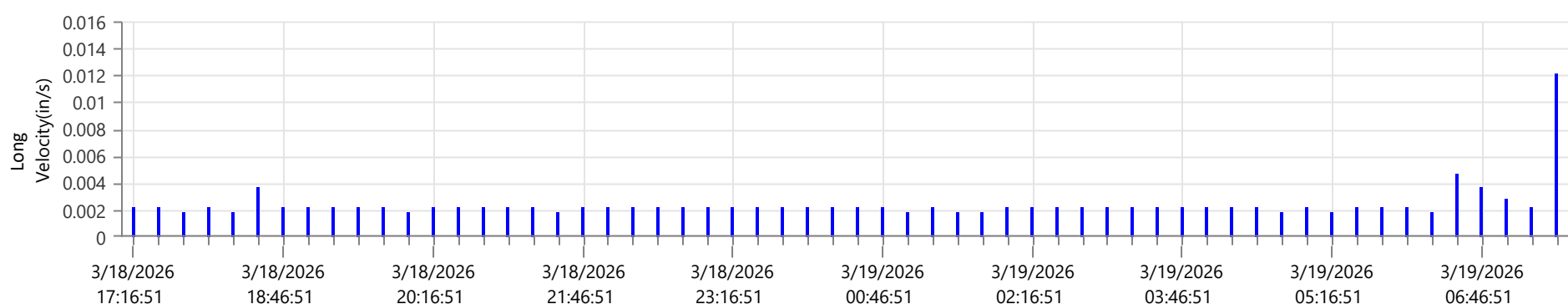
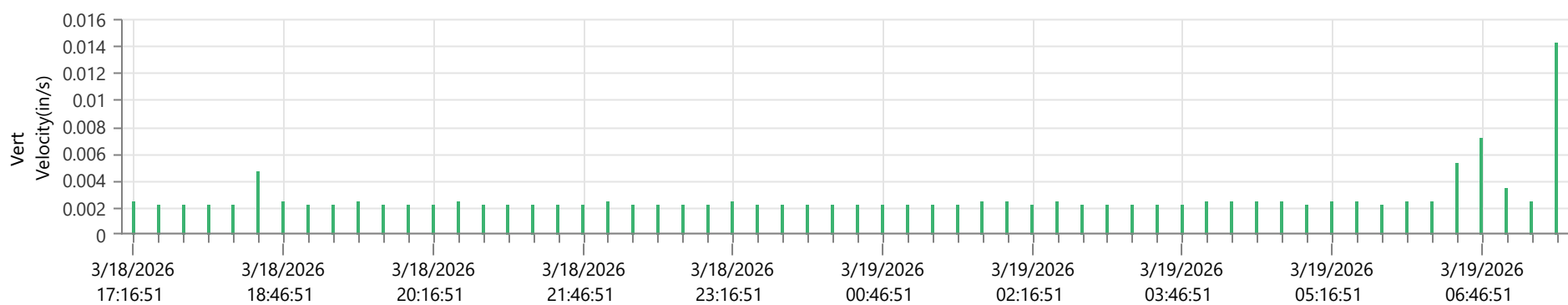
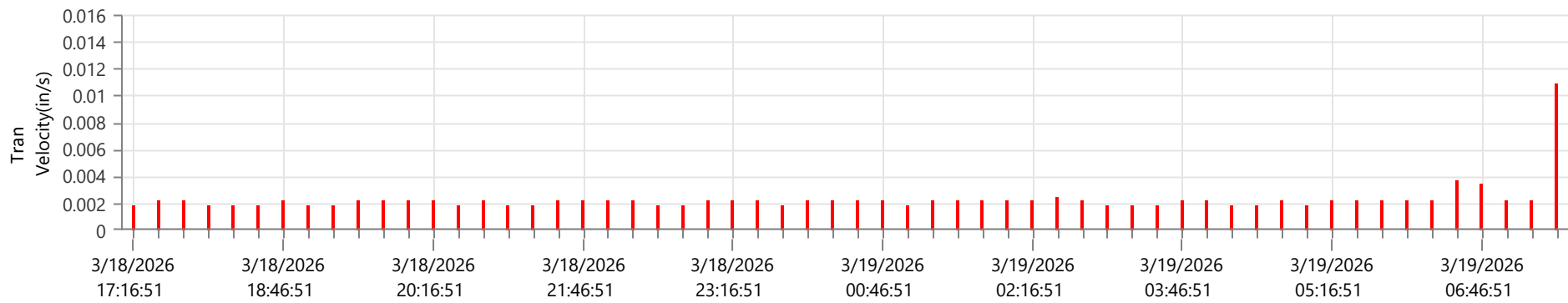
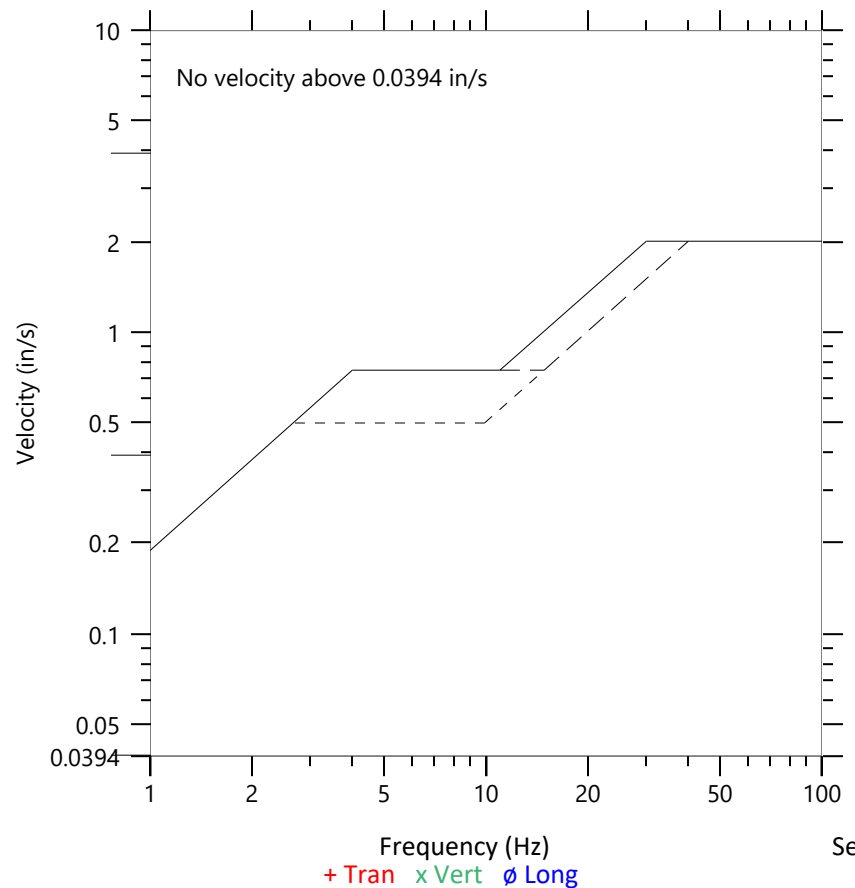
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0109 in/s	0.0143 in/s	0.0121 in/s
Zero Crossing Frequency	42.7 Hz	32.0 Hz	39.4 Hz
Date	Mar 19, 2026	Mar 19, 2026	Mar 19, 2026
Time	07:29:59	07:29:59	07:29:59
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.7	5.0

Peak Vector Sum 0.0171 in/s at March 19, 2026 07:31:51

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



**Start** March 19, 2026 07:31:59  
**Finish** March 19, 2026 11:59:59  
**Number of Intervals/Interval** 17.87/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260319073159.IDFH  
**USB Sensor Support** Disabled

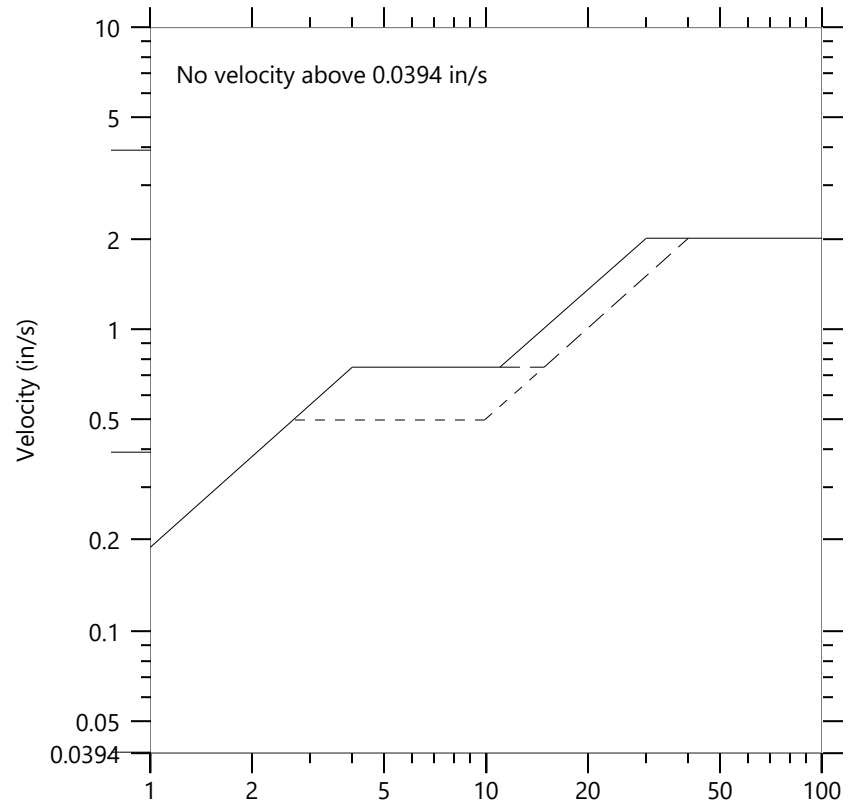
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0099 in/s	0.0127 in/s	0.0078 in/s
Zero Crossing Frequency	17.1 Hz	22.3 Hz	42.7 Hz
Date	Mar 19, 2026	Mar 19, 2026	Mar 19, 2026
Time	07:46:59	07:46:59	08:01:59
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.7	5.0

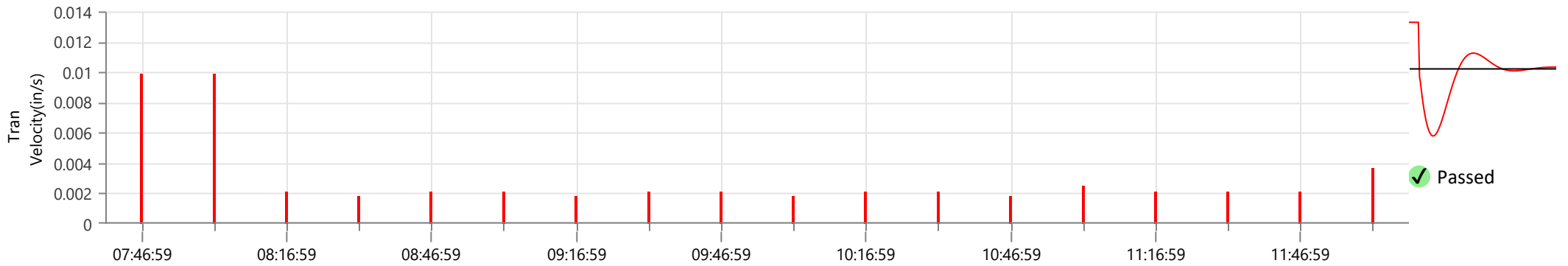
Peak Vector Sum 0.0161 in/s at March 19, 2026 07:46:59

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)

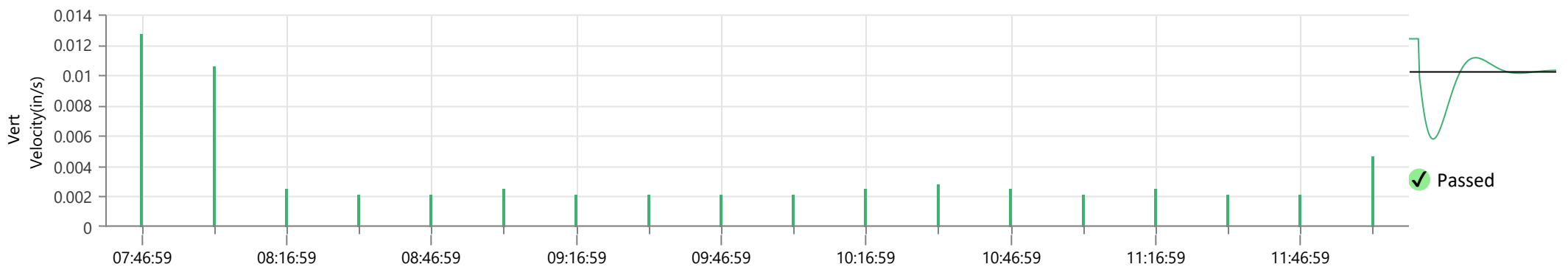


Frequency (Hz)  
+ Tran x Vert ø Long

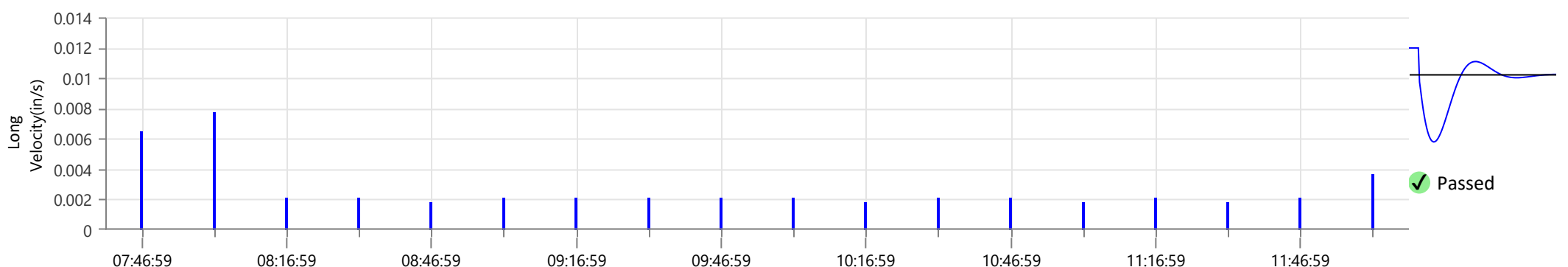
Sensor Check



✓ Passed



✓ Passed



✓ Passed

**Start** March 19, 2026 12:01:52  
**Finish** March 19, 2026 16:59:59  
**Number of Intervals/Interval** 19.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260319120152.IDFH  
**USB Sensor Support** Disabled

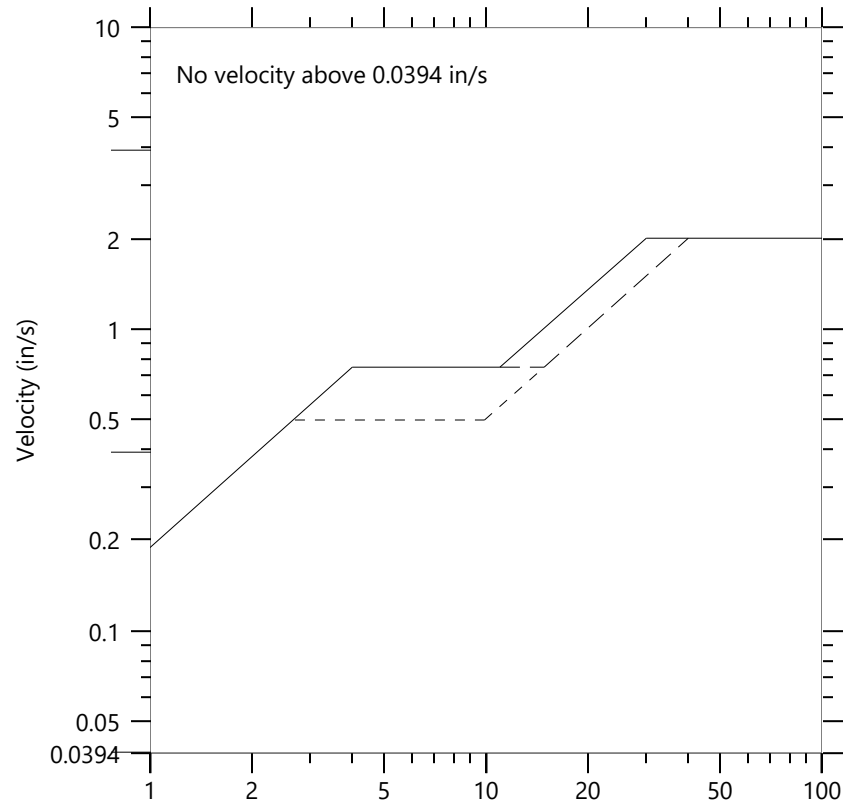
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0112 in/s	0.0084 in/s	0.0071 in/s
Zero Crossing Frequency	36.6 Hz	39.4 Hz	51.2 Hz
Date	Mar 19, 2026	Mar 19, 2026	Mar 19, 2026
Time	15:46:52	15:31:52	15:46:52
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.7	5.0

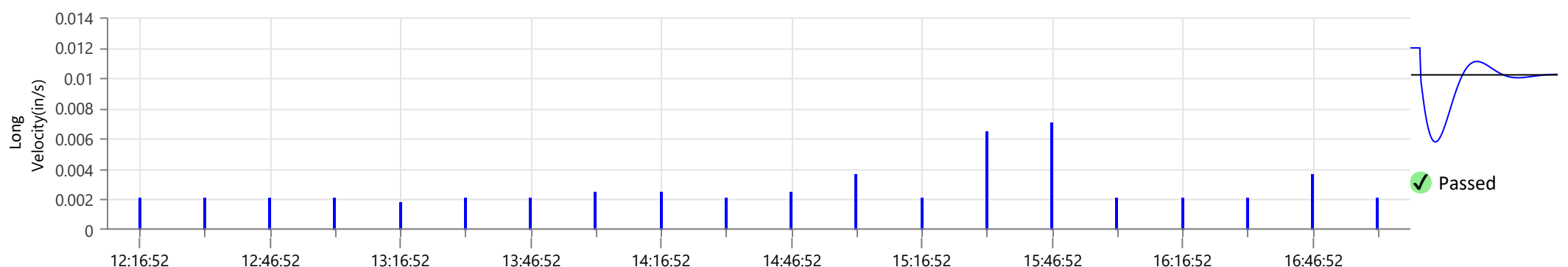
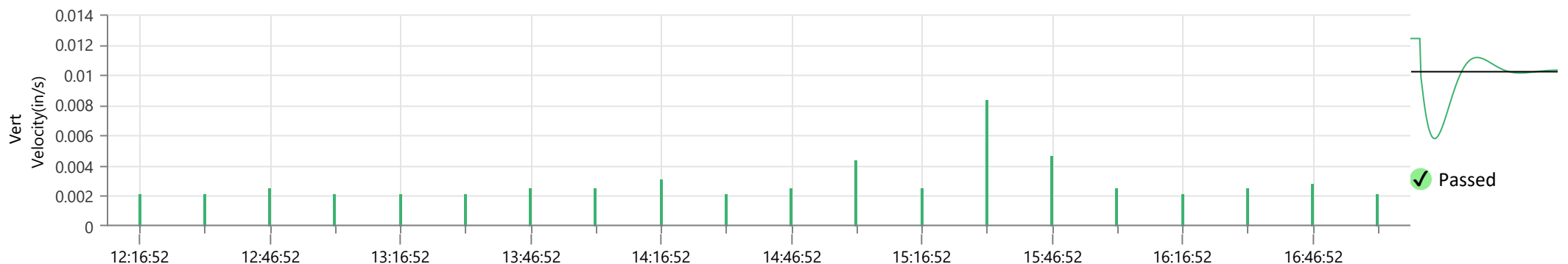
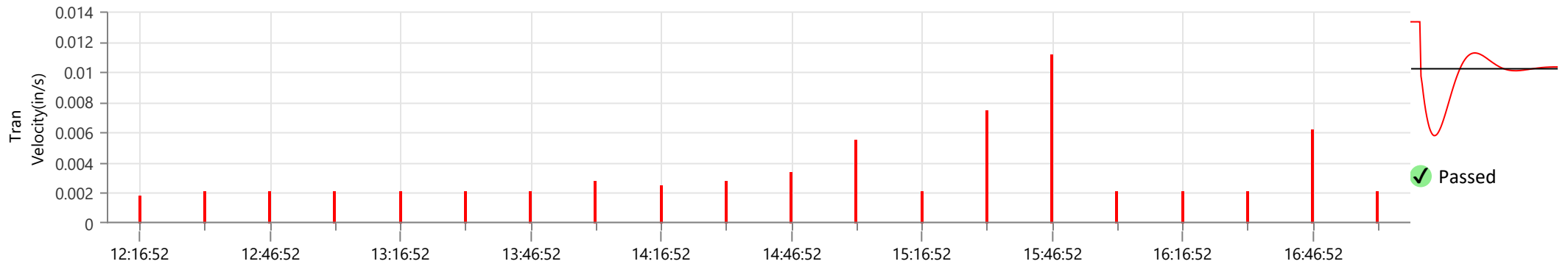
Peak Vector Sum 0.0113 in/s at March 19, 2026 15:46:52

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
+ Tran x Vert ø Long

Sensor Check



**Start** March 19, 2026 17:01:52  
**Finish** March 20, 2026 07:29:59  
**Number of Intervals/Interval** 57.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by InstanTEL  
**Event File Name** UM17584\_20260319170152.IDFH  
**USB Sensor Support** Disabled

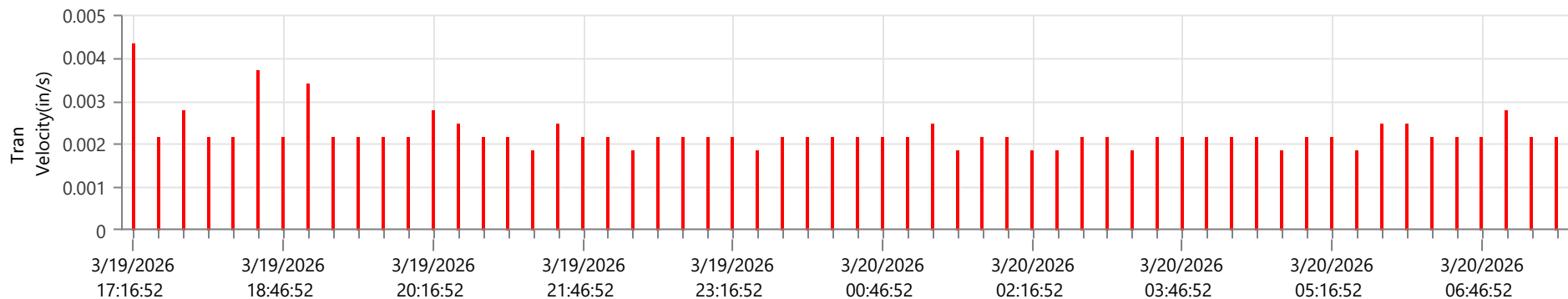
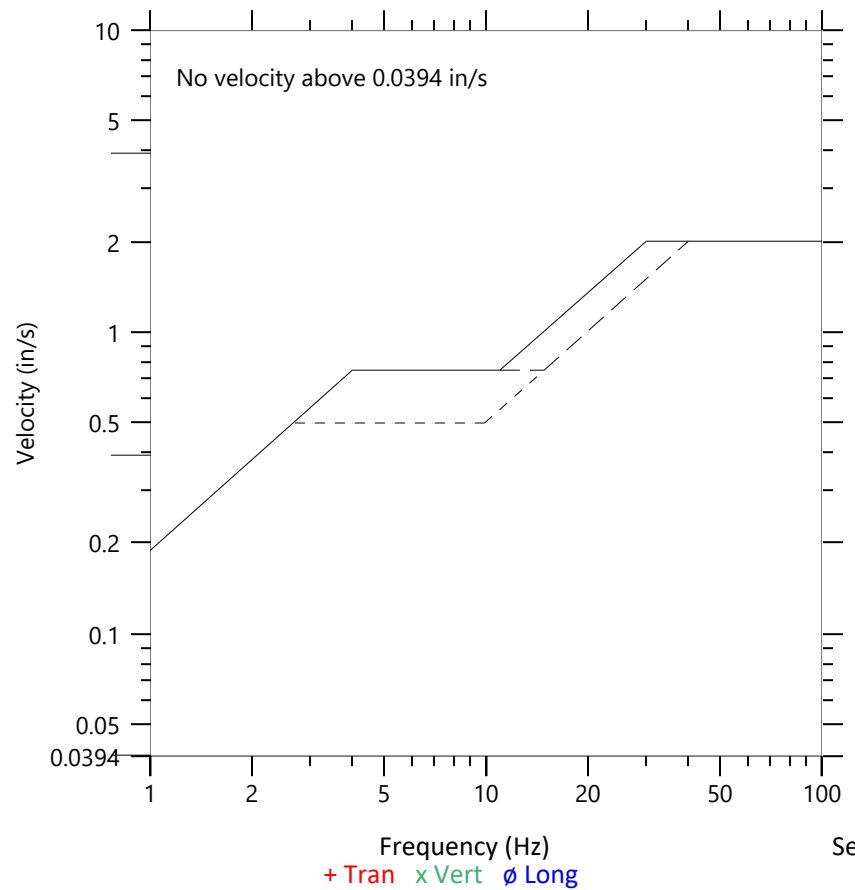
**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	<0.005 in/s	<0.005 in/s	<0.005 in/s
Zero Crossing Frequency	39.4 Hz	46.5 Hz	39.4 Hz
Date	Mar 19, 2026	Mar 19, 2026	Mar 19, 2026
Time	17:16:52	18:31:52	18:31:52
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	4.1	4.6	5.0

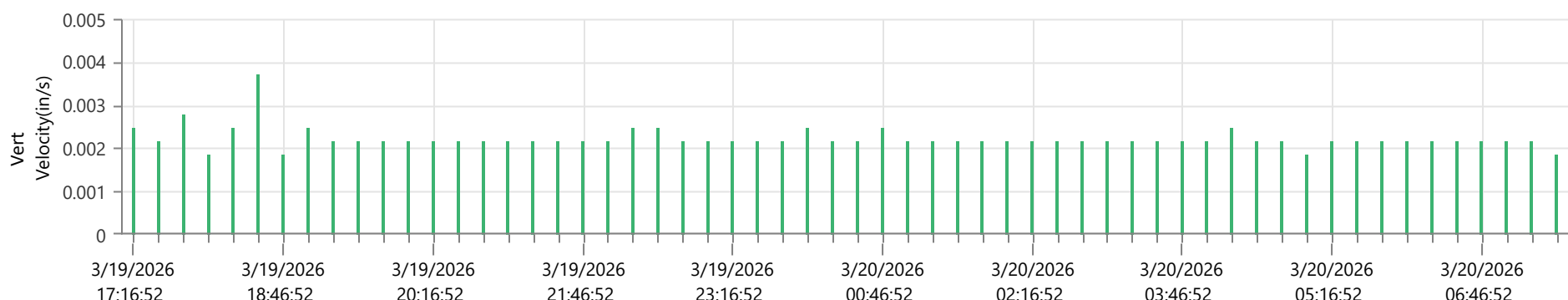
Peak Vector Sum 0.0055 in/s at March 19, 2026 18:31:52

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)

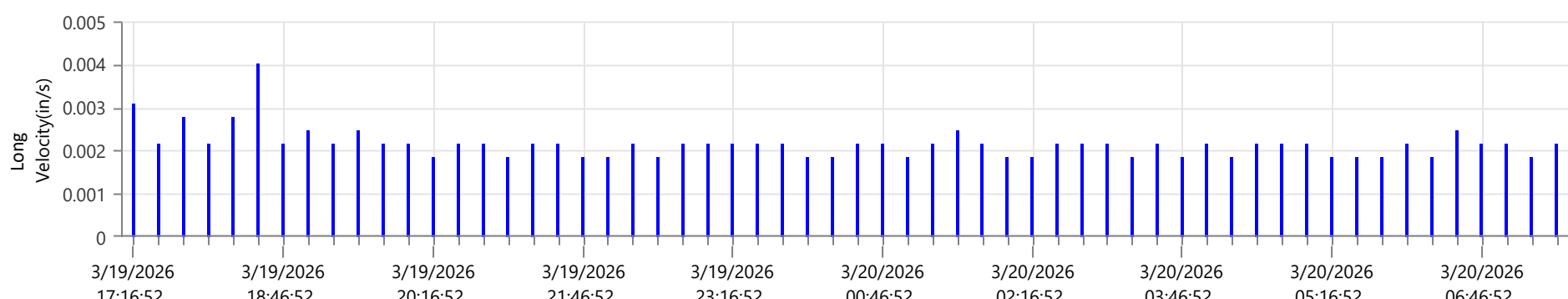


Sensor Check

✓ Passed



✓ Passed



✓ Passed

**Start** March 20, 2026 07:31:59  
**Finish** March 20, 2026 11:59:59  
**Number of Intervals/Interval** 17.87/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

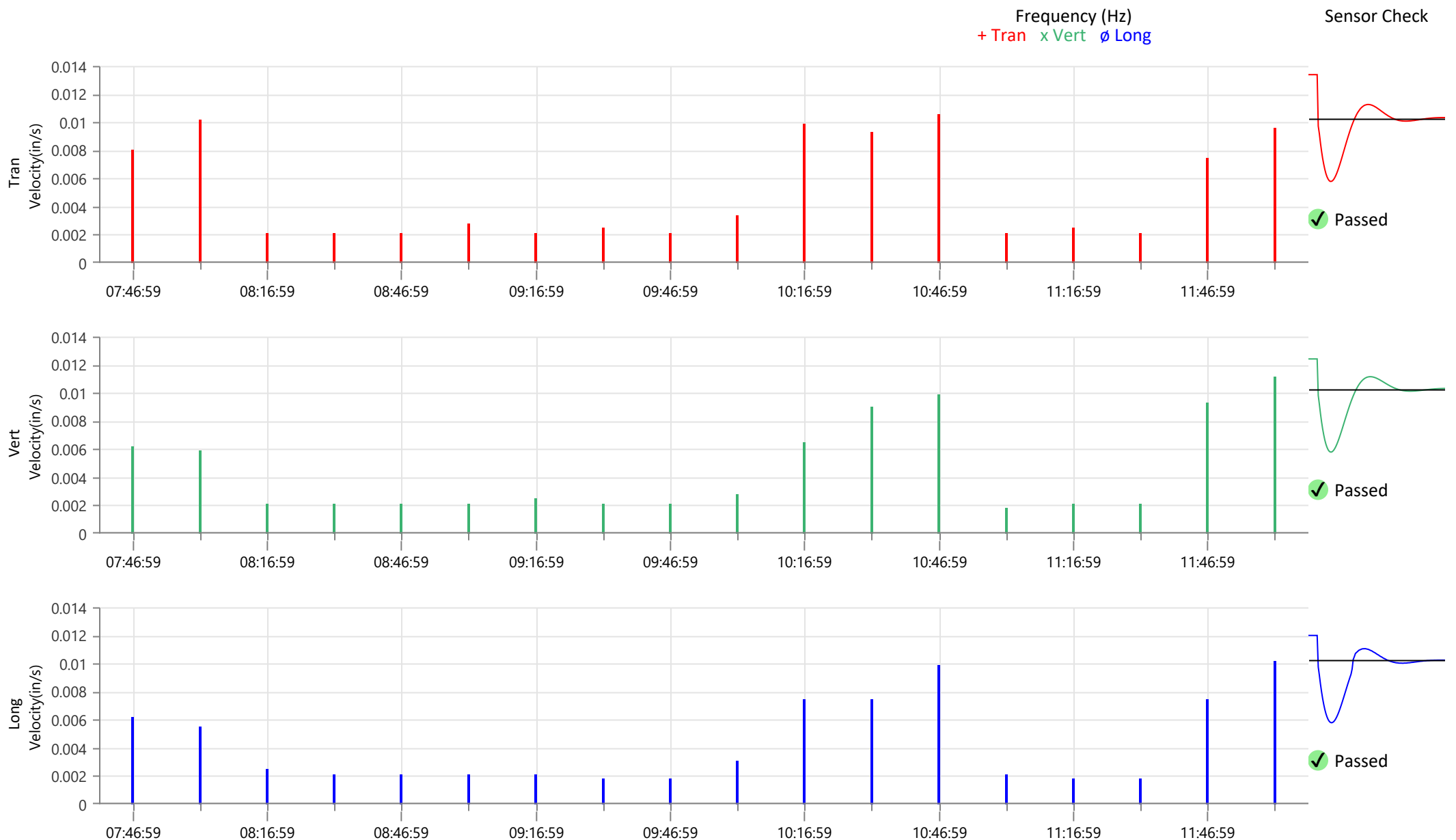
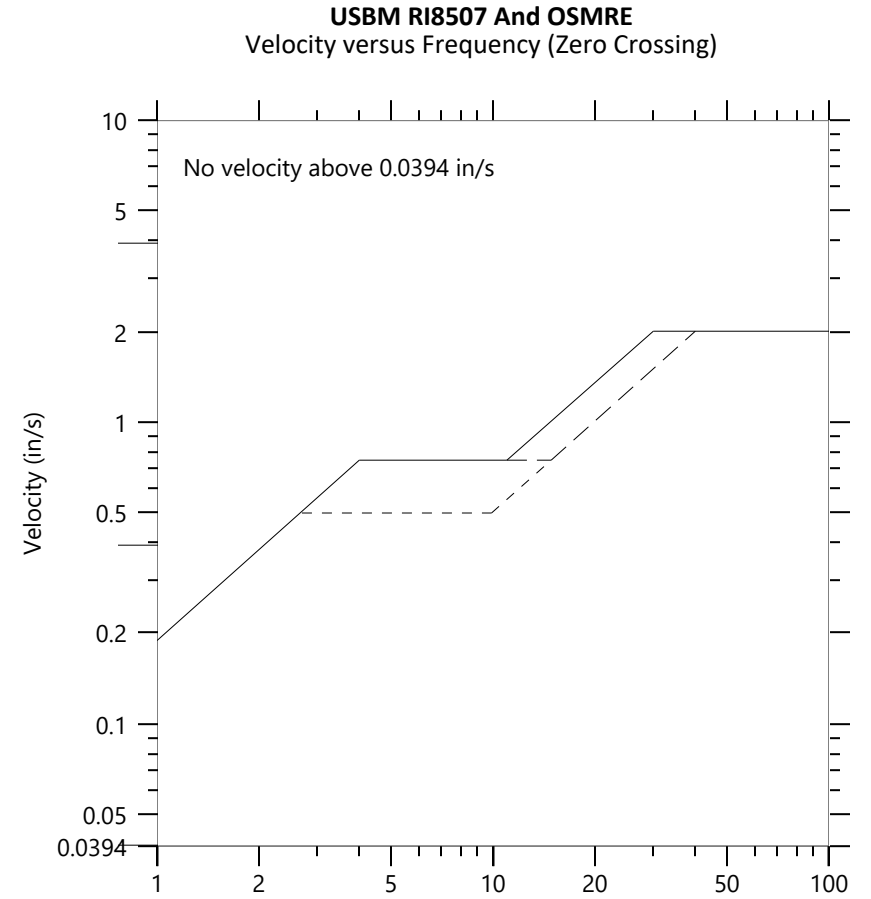
**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260320073159.IDFH  
**USB Sensor Support** Disabled

**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0106 in/s	0.0112 in/s	0.0102 in/s
Zero Crossing Frequency	32.0 Hz	34.1 Hz	36.6 Hz
Date	Mar 20, 2026	Mar 20, 2026	Mar 20, 2026
Time	10:46:59	11:59:59	11:59:59
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.9 Hz
Overswing Ratio	4.2	4.6	5.2

Peak Vector Sum 0.0134 in/s at March 20, 2026 10:46:59



**Start** March 20, 2026 12:01:52  
**Finish** March 20, 2026 16:59:59  
**Number of Intervals/Interval** 19.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

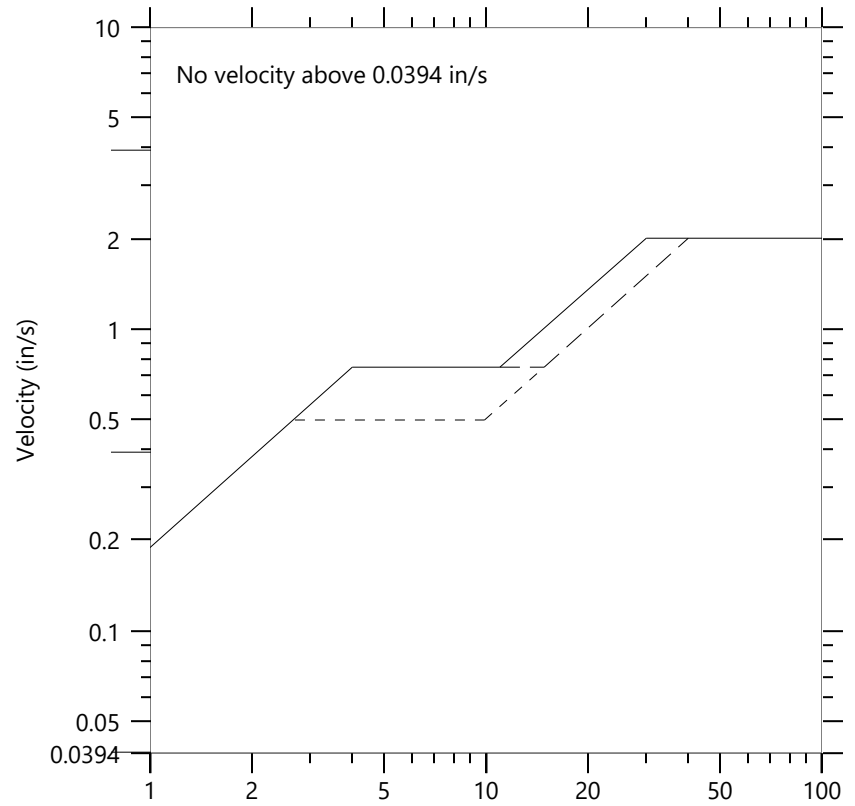
**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260320120152.IDFH  
**USB Sensor Support** Disabled

**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

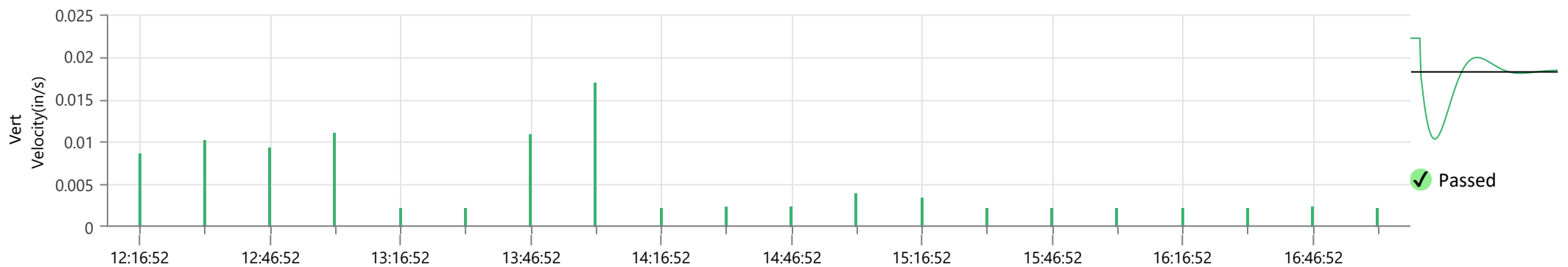
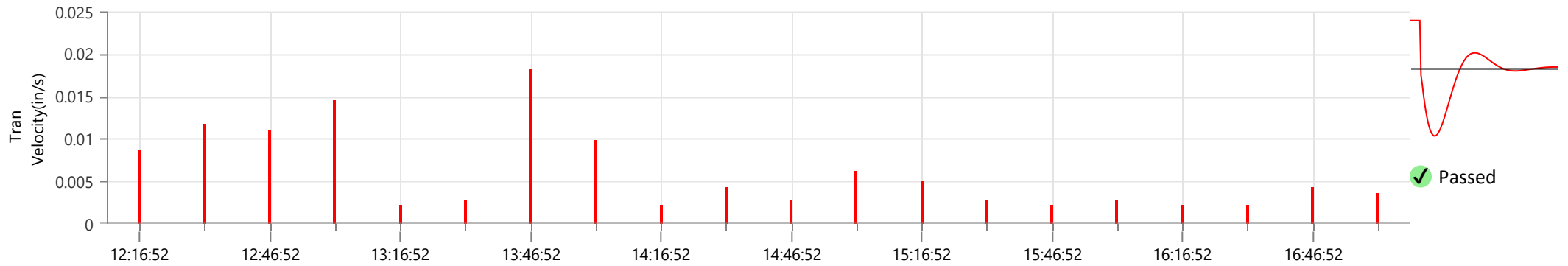
Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0183 in/s	0.0171 in/s	0.0158 in/s
Zero Crossing Frequency	25.6 Hz	32.0 Hz	24.4 Hz
Date	Mar 20, 2026	Mar 20, 2026	Mar 20, 2026
Time	13:46:52	14:01:52	14:01:52
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.9 Hz
Overswing Ratio	4.1	4.6	5.1
Peak Vector Sum	0.0208 in/s at March 20, 2026 14:01:52		

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)  
 + Tran x Vert ø Long

Sensor Check



**Start** March 20, 2026 17:01:51  
**Finish** March 21, 2026 07:30:00  
**Number of Intervals/Interval** 57.88/900 sec  
**Sample Rate** 1024 sps  
**Setup File Name** 233473 Thurston Elementary School.mmb  
**Operator** Operator

**Serial Number** UM17584  
**Model Number** Micromate ISEE 11.0CB  
**Battery Level** 3.8 volts  
**Unit Calibration** January 22, 2026 by Instantel  
**Event File Name** UM17584\_20260320170151.IDFH  
**USB Sensor Support** Disabled

**Notes**  
**Location** Thurston Elementary School, Ann Arbor MI  
**Client** Gilbane Building Company  
**Company** G2 Consulting Group, LLC  
**General Notes** G2 Project No. 233473

**Post Event Notes** No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0109 in/s	0.0130 in/s	0.0109 in/s
Zero Crossing Frequency	34.1 Hz	46.5 Hz	28.4 Hz
Date	Mar 21, 2026	Mar 21, 2026	Mar 21, 2026
Time	07:16:51	07:16:51	07:16:51
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.9 Hz
Overswing Ratio	4.0	4.5	5.0

Peak Vector Sum 0.0138 in/s at March 21, 2026 07:16:51

**USBM RI8507 And OSMRE**  
Velocity versus Frequency (Zero Crossing)

