



CONSULTING  
GROUP

# Vibration Monitoring Report Summary

Thurston Elementary  
School

Project Number: 233473

Date: 05/02/26 to 5/07/26

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

0.092 in/sec - Vertical channel on 05/07/26 at 7:47:06

UM17584

47Hz

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 an excavator with a hoe-pack attachment. No vibration events occurred.

Reported By: RPC, P.E.

Reviewed By: JBS, P.E.

**Histogram Start Time** 07:32:06 May 2, 2026  
**Histogram Finish Time** 11:59:59 May 2, 2026  
**Number of Intervals** 17.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTEL  
**File Name** UM17584\_20260502073206.IDFH

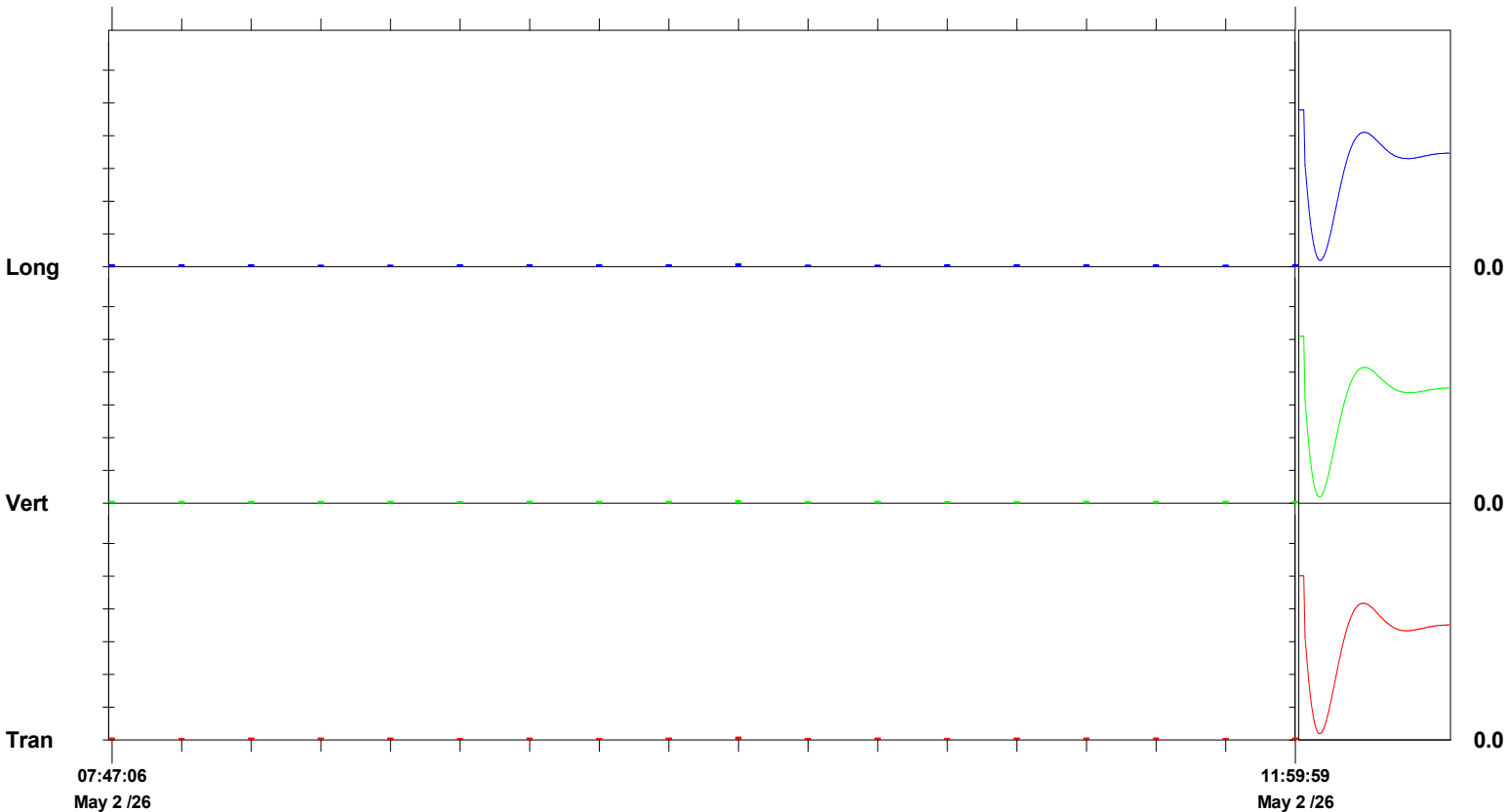
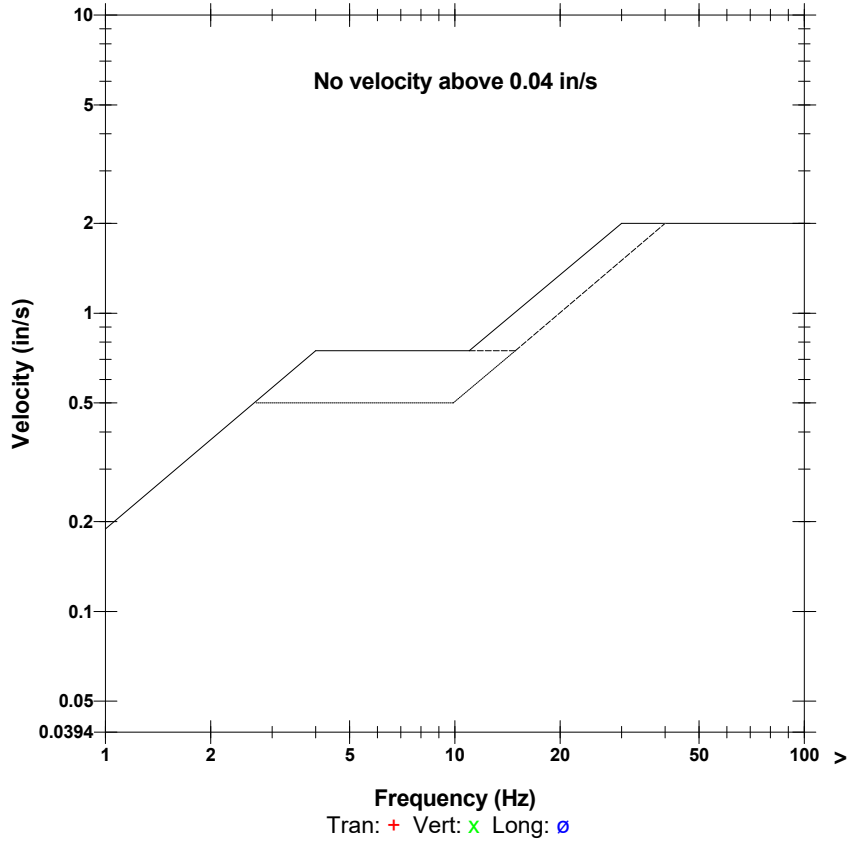
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.004	0.003	0.004	in/s
ZC Freq	51	47	43	Hz
Date	May 2 /26	May 2 /26	May 2 /26	
Time	10:02:06	10:02:06	10:02:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.1	Hz
Overswing Ratio	4.4	4.6	4.9	

**Peak Vector Sum** 0.005 in/s on May 2, 2026 at 10:02:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 12:02:06 May 2, 2026  
**Histogram Finish Time** 16:59:59 May 2, 2026  
**Number of Intervals** 19.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTel  
**File Name** UM17584\_20260502120206.IDFH

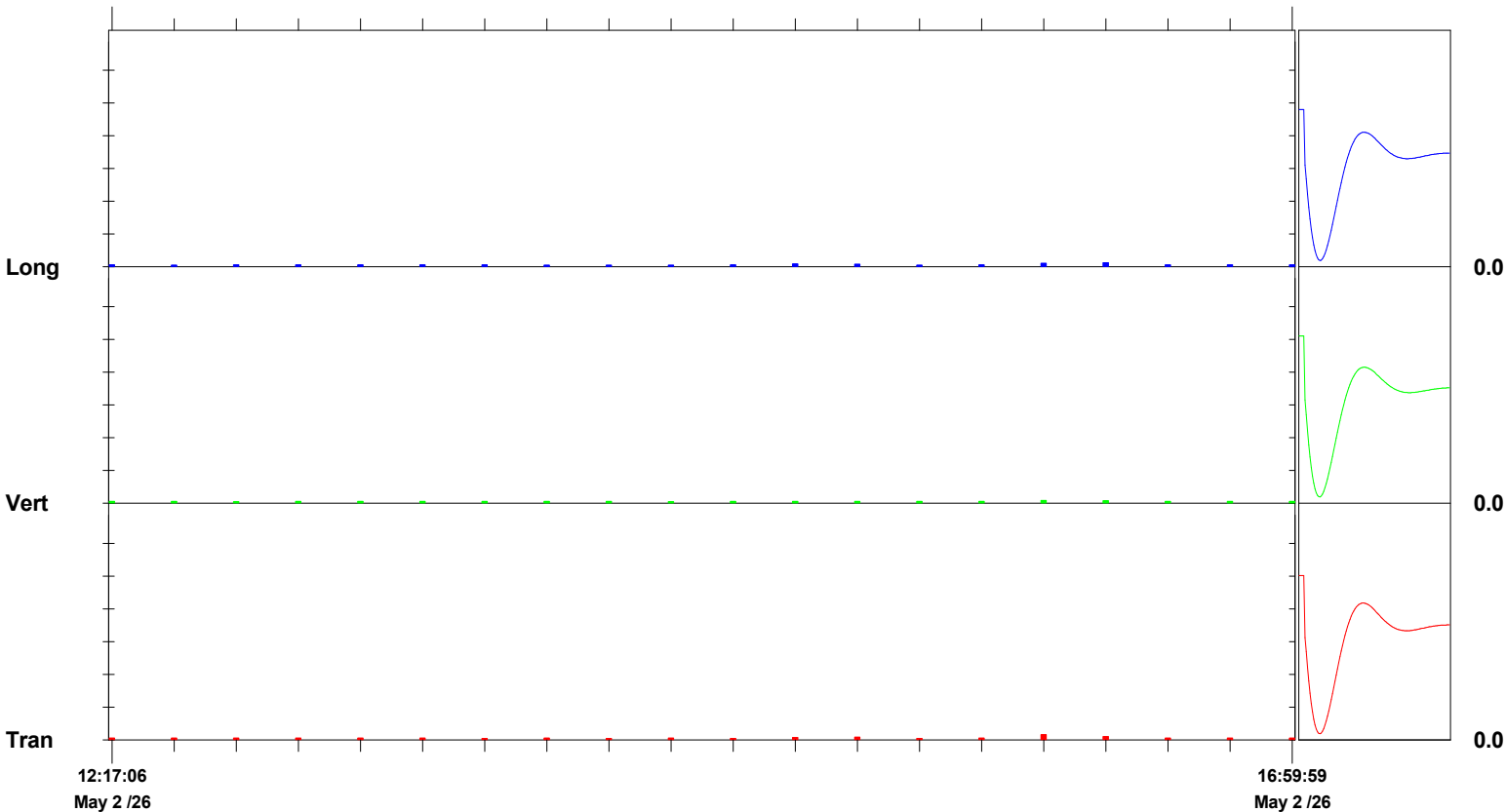
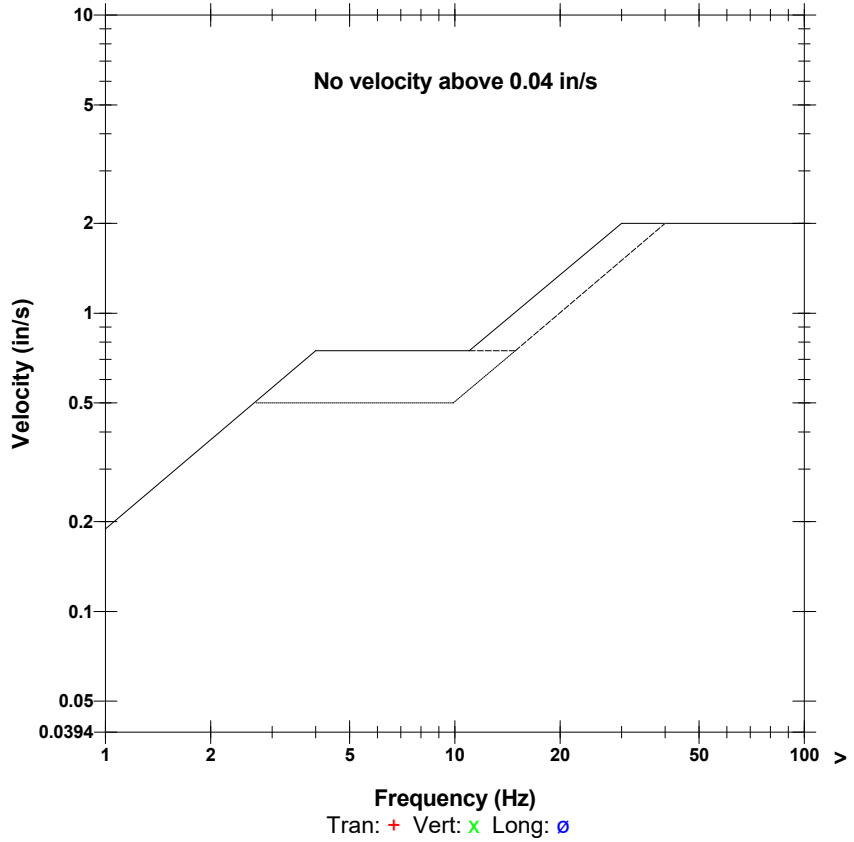
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.008	0.004	0.006	in/s
ZC Freq	43	47	51	Hz
Date	May 2 /26	May 2 /26	May 2 /26	
Time	16:02:06	16:02:06	16:17:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.1	Hz
Overswing Ratio	4.4	4.5	4.8	

**Peak Vector Sum** 0.008 in/s on May 2, 2026 at 16:02:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 17:02:06 May 2, 2026  
**Histogram Finish Time** 07:29:59 May 3, 2026  
**Number of Intervals** 57.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-0CB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTEL  
**File Name** UM17584\_20260502170206.IDFH

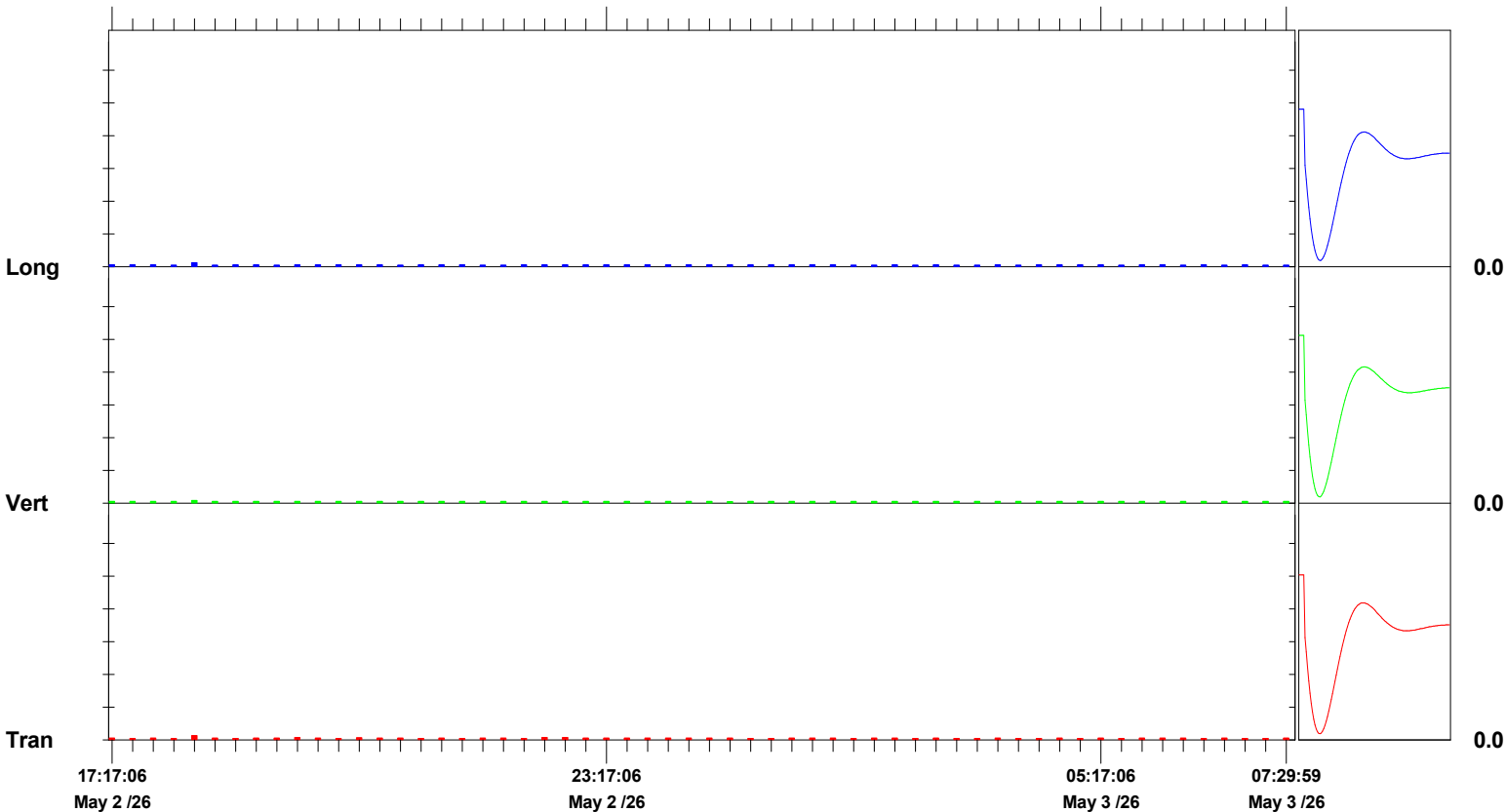
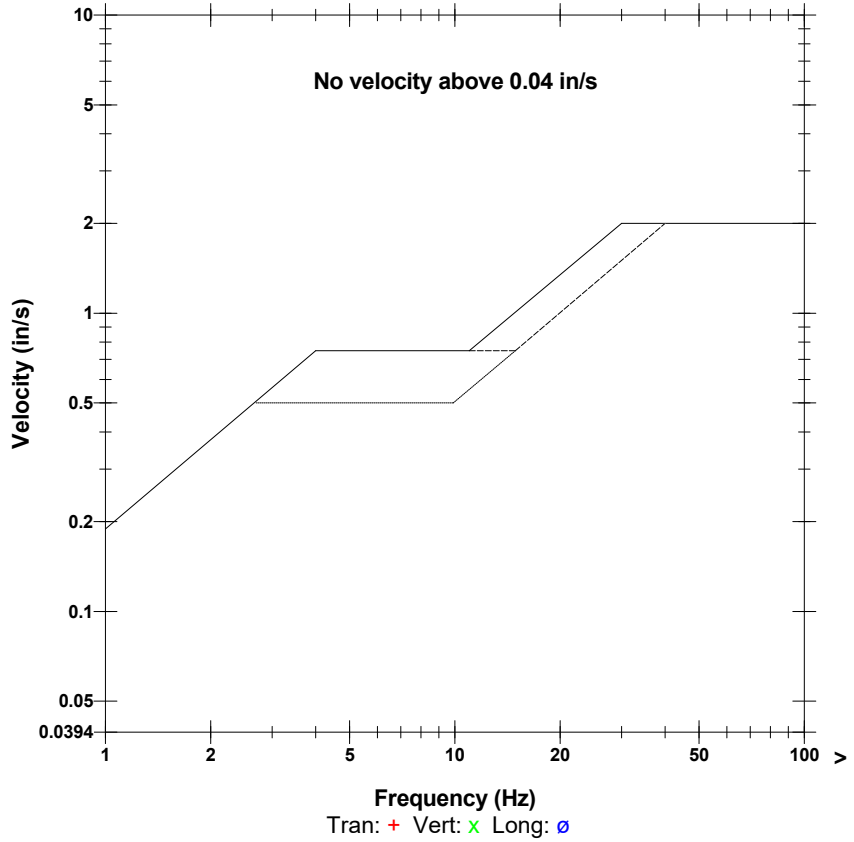
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.006	0.004	0.006	in/s
ZC Freq	47	64	51	Hz
Date	May 2 /26	May 2 /26	May 2 /26	
Time	18:17:06	18:17:06	18:17:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.3	4.5	4.8	

**Peak Vector Sum** 0.007 in/s on May 2, 2026 at 18:17:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 07:32:06 May 3, 2026  
**Histogram Finish Time** 11:59:59 May 3, 2026  
**Number of Intervals** 17.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTel  
**File Name** UM17584\_20260503073206.IDFH

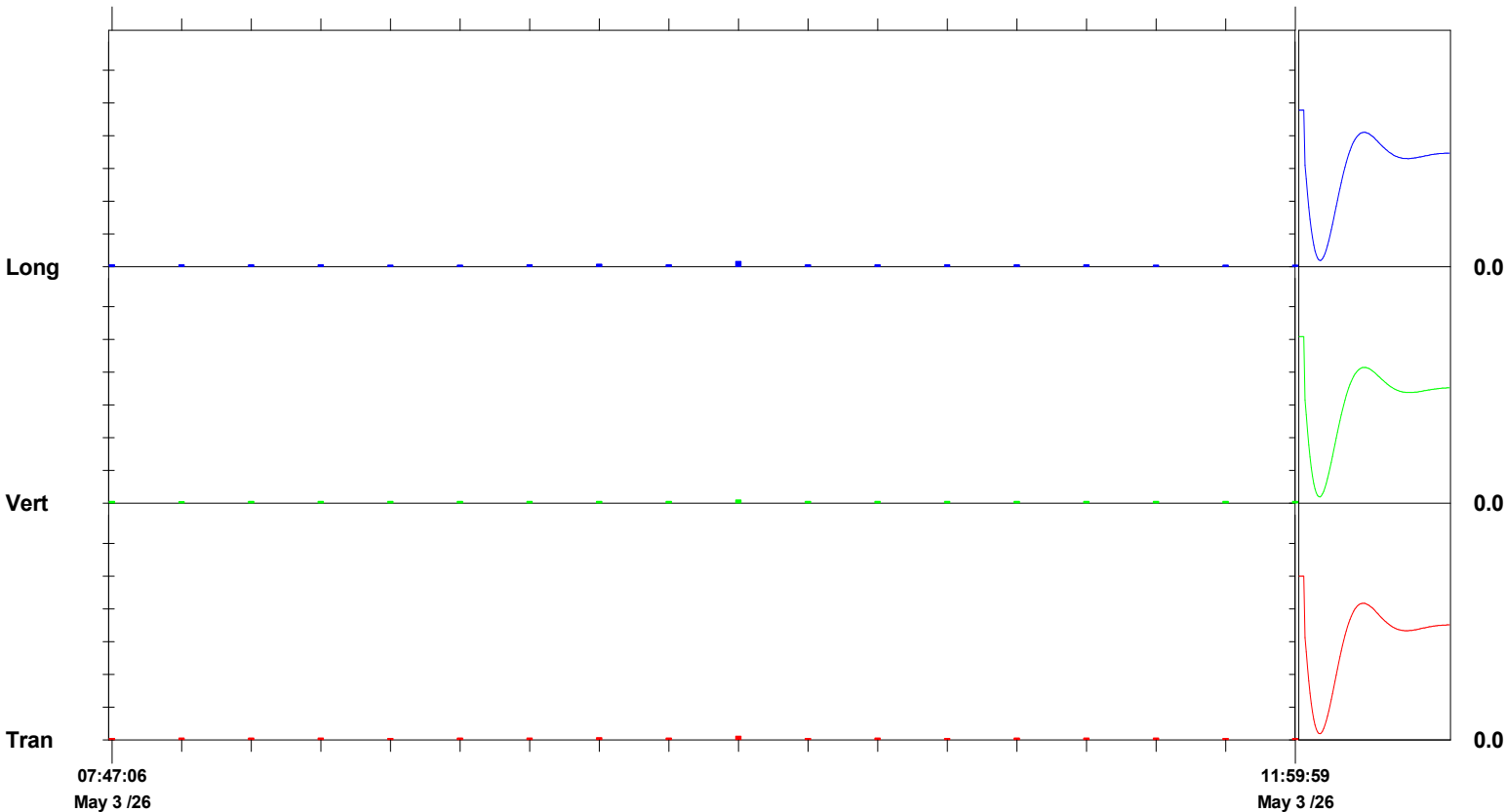
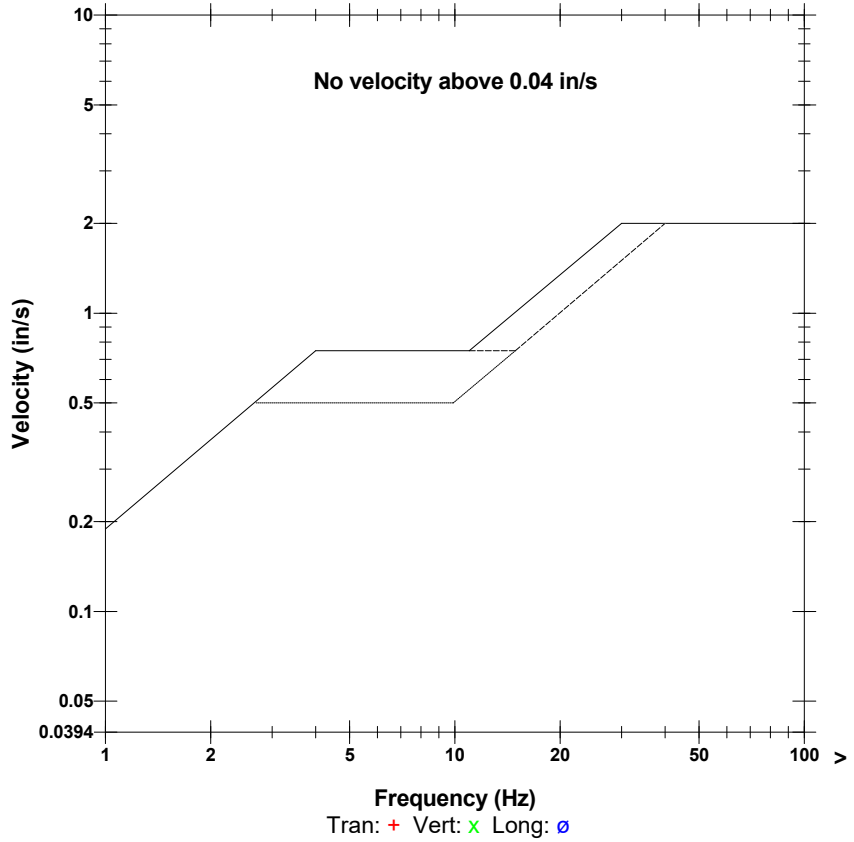
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.005	0.004	0.007	in/s
ZC Freq	47	51	43	Hz
Date	May 3 /26	May 3 /26	May 3 /26	
Time	10:02:06	10:02:06	10:02:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.1	Hz
Overswing Ratio	4.4	4.6	4.9	

**Peak Vector Sum** 0.008 in/s on May 3, 2026 at 10:02:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 12:02:06 May 3, 2026  
**Histogram Finish Time** 16:59:59 May 3, 2026  
**Number of Intervals** 19.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-0CB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTel  
**File Name** UM17584\_20260503120206.IDFH

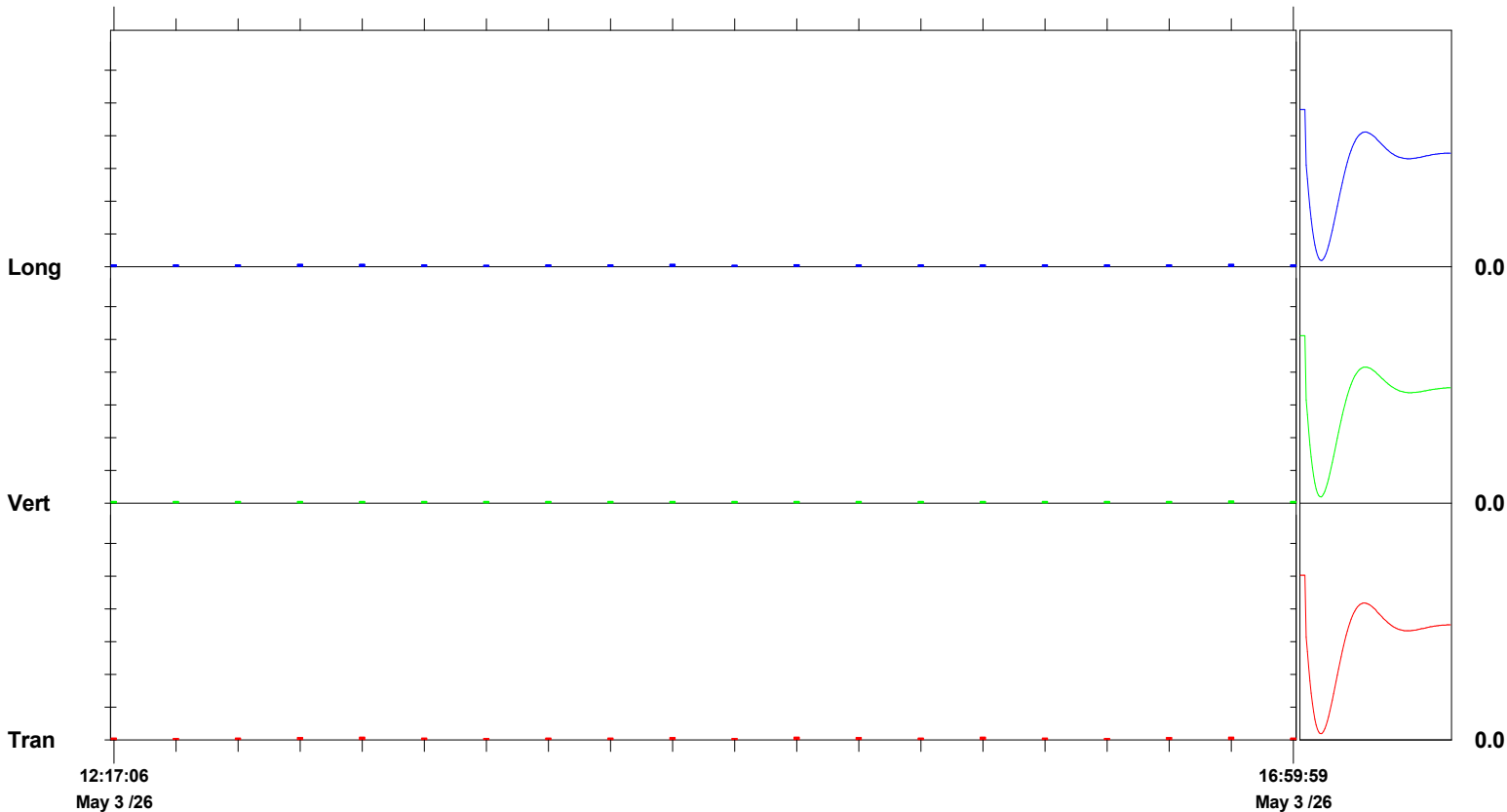
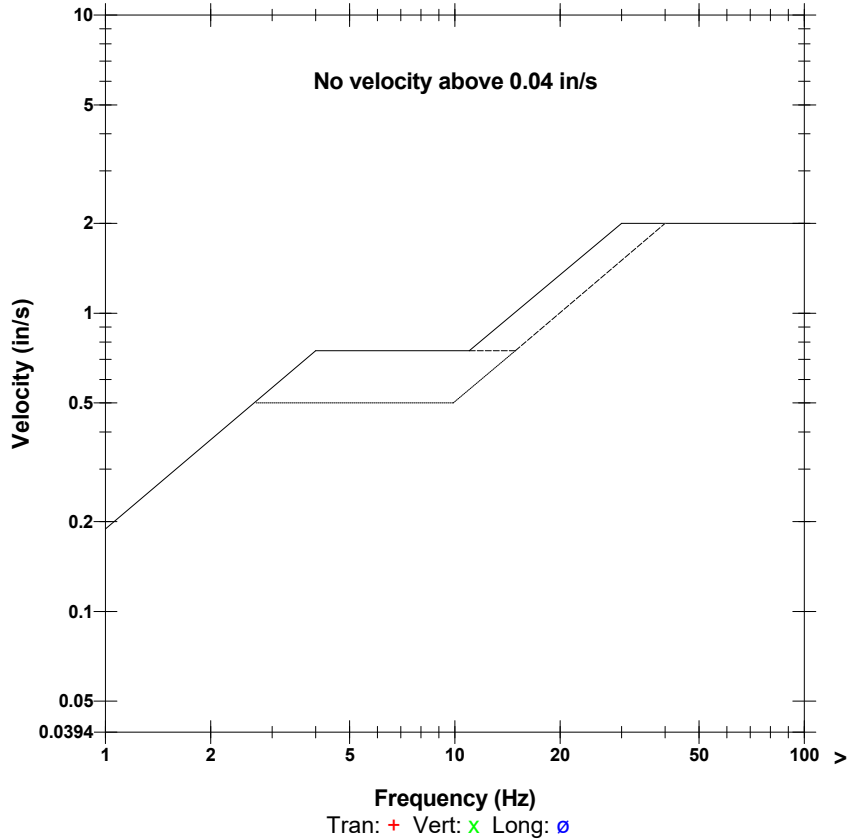
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.004	0.003	0.003	in/s
ZC Freq	43	47	51	Hz
Date	May 3 /26	May 3 /26	May 3 /26	
Time	15:02:06	16:47:06	13:17:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.4	4.5	4.8	

**Peak Vector Sum** 0.005 in/s on May 3, 2026 at 16:47:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 17:02:06 May 3, 2026  
**Histogram Finish Time** 07:29:59 May 4, 2026  
**Number of Intervals** 57.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-0CB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by Instantel  
**File Name** UM17584\_20260503170206.IDFH

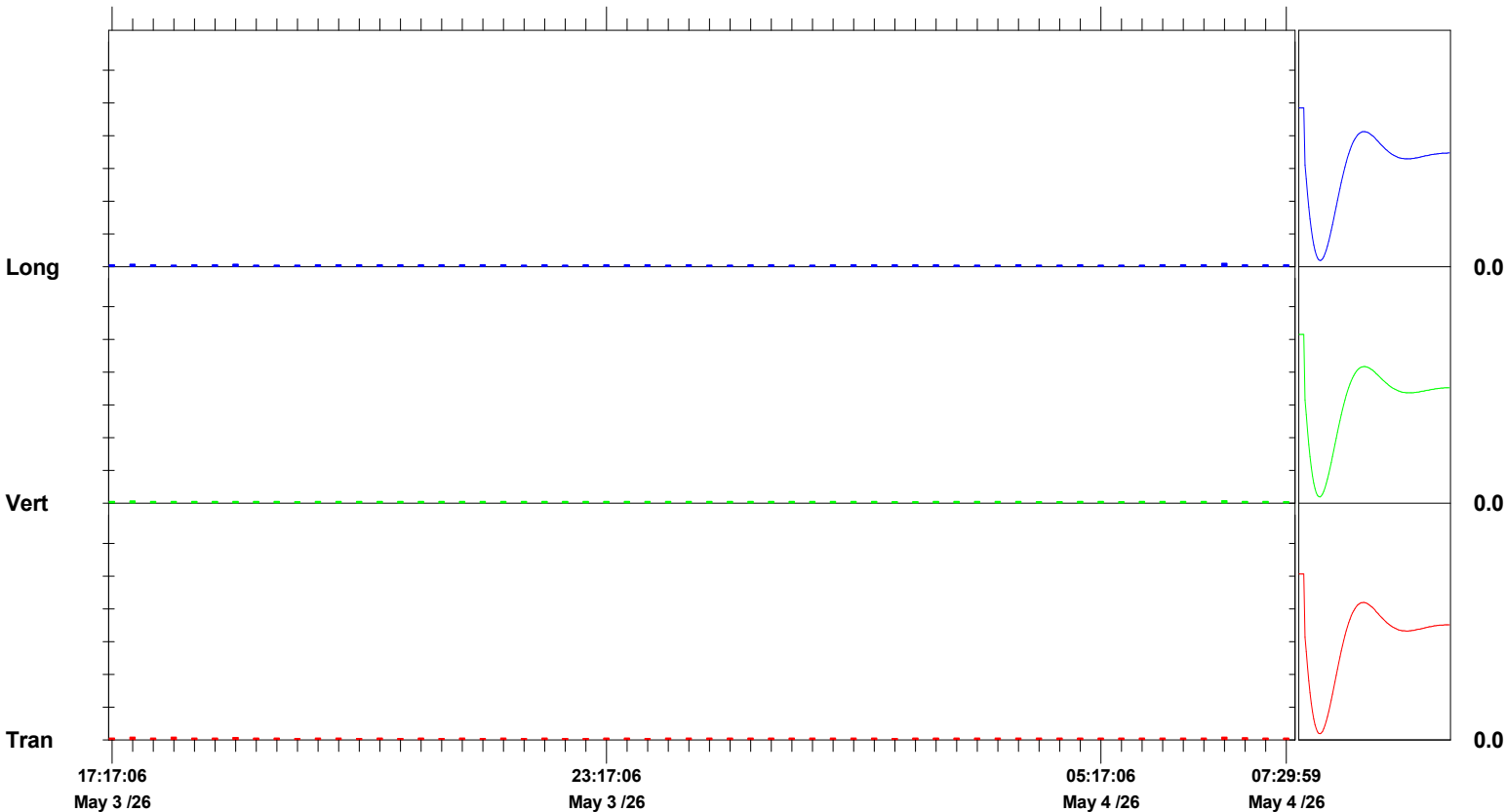
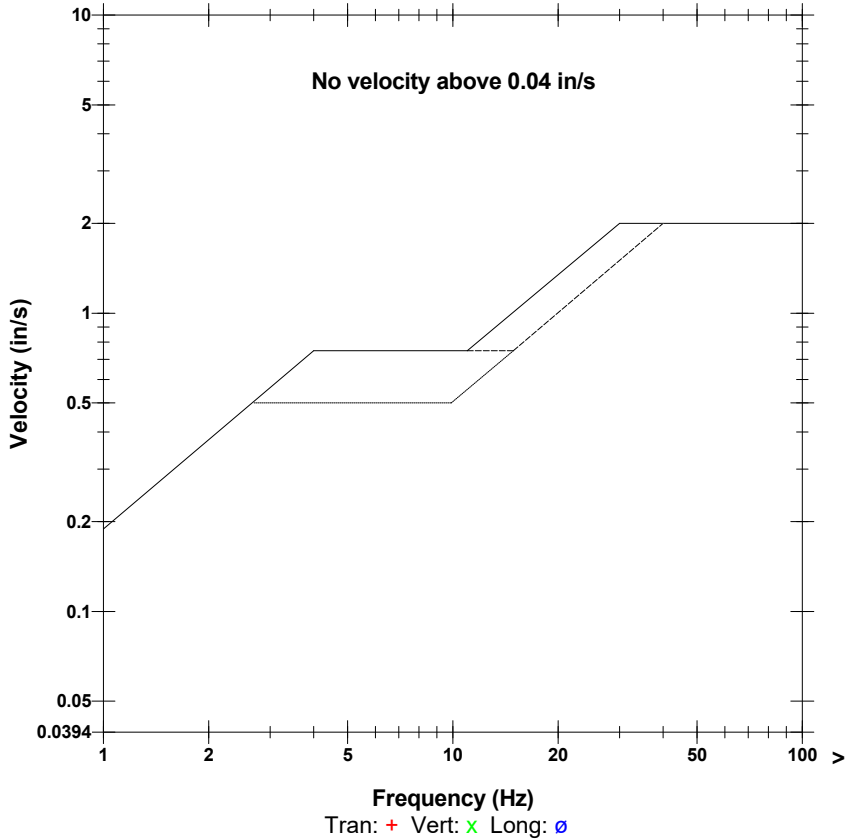
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.004	0.003	0.005	in/s
ZC Freq	43	64	57	Hz
Date	May 3 /26	May 4 /26	May 4 /26	
Time	17:32:06	06:47:06	06:47:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.3	4.4	4.7	

**Peak Vector Sum** 0.005 in/s on May 4, 2026 at 06:47:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div    **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 07:32:06 May 4, 2026  
**Histogram Finish Time** 11:59:59 May 4, 2026  
**Number of Intervals** 17.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTEL  
**File Name** UM17584\_20260504073206.IDFH

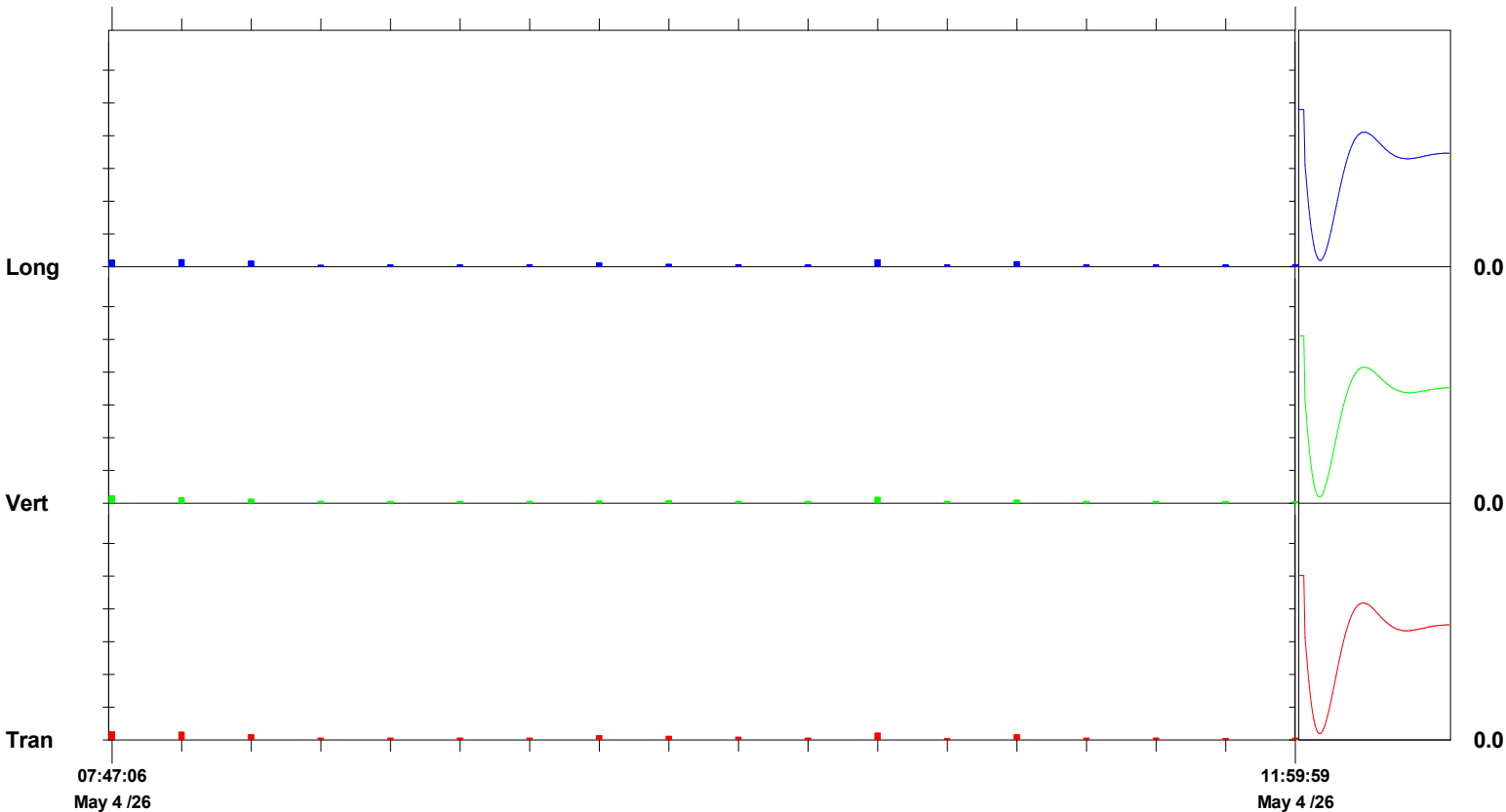
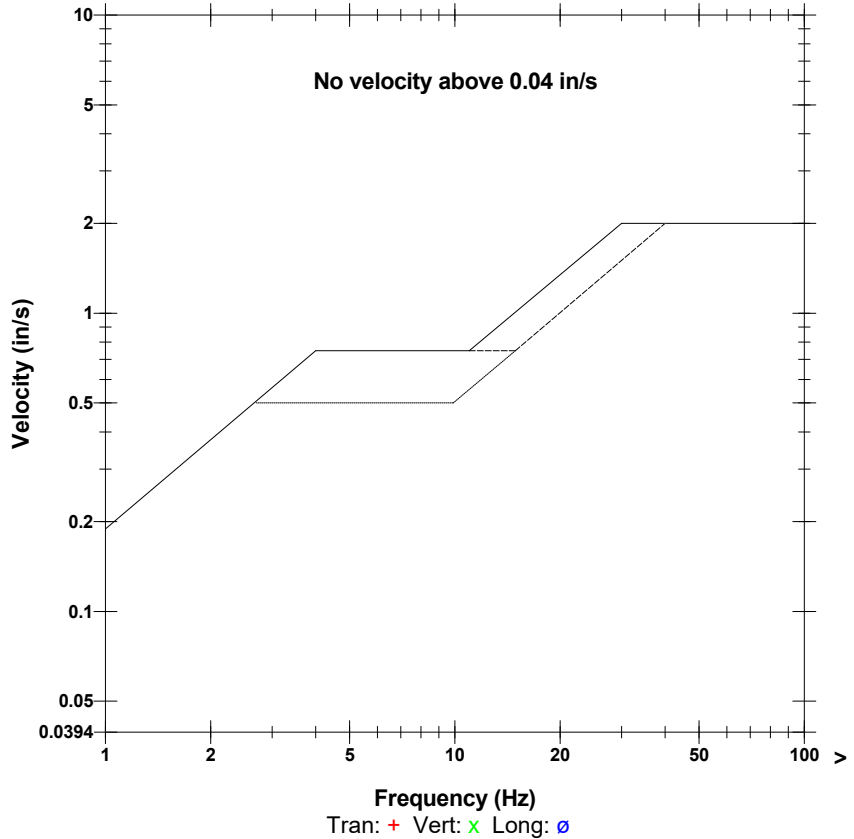
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.012	0.011	0.011	in/s
ZC Freq	43	64	57	Hz
Date	May 4 /26	May 4 /26	May 4 /26	
Time	07:47:06	07:47:06	08:02:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.4	4.5	4.8	

Peak Vector Sum 0.014 in/s on May 4, 2026 at 07:47:06

**USBM RI8507 And OSMRE**



Time Scale: 15 minutes /div Amplitude Scale: Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 12:02:06 May 4, 2026  
**Histogram Finish Time** 16:59:59 May 4, 2026  
**Number of Intervals** 19.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by Instantel  
**File Name** UM17584\_20260504120206.IDFH

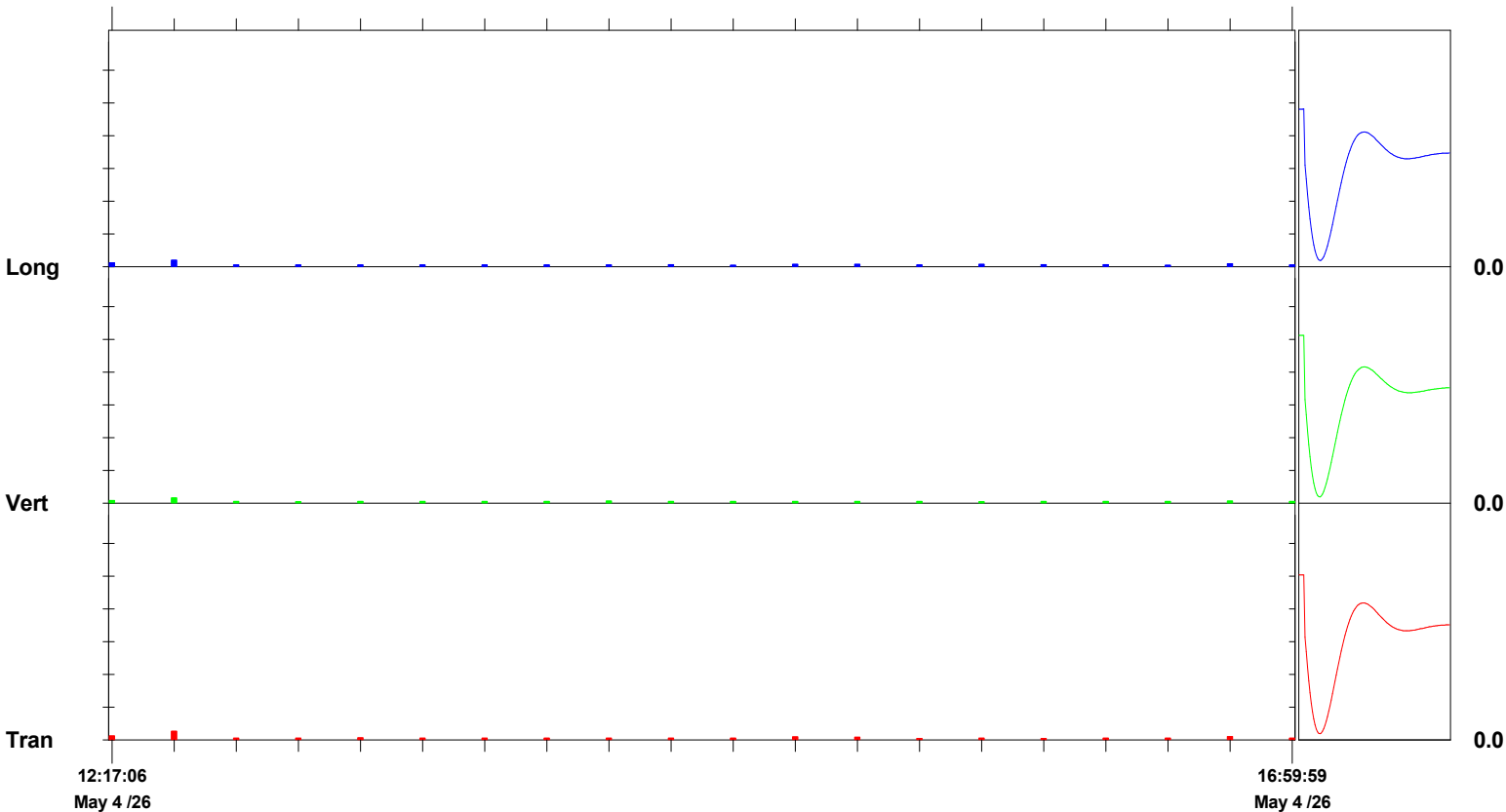
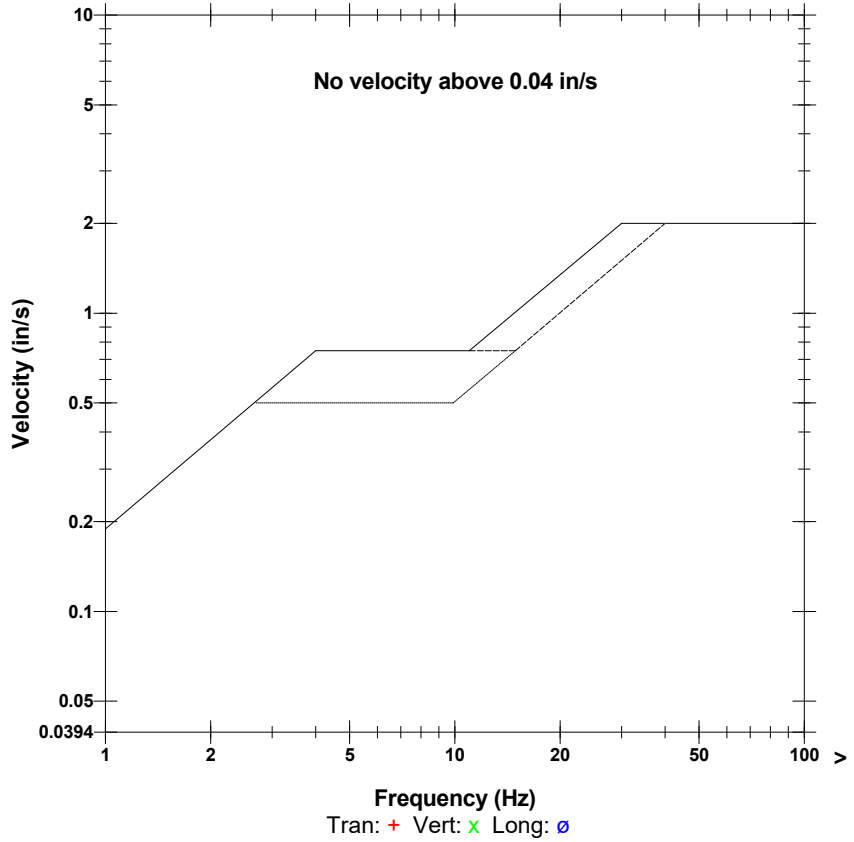
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.013	0.008	0.010	in/s
ZC Freq	51	51	51	Hz
Date	May 4 /26	May 4 /26	May 4 /26	
Time	12:32:06	12:32:06	12:32:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.3	4.5	4.8	

Peak Vector Sum 0.013 in/s on May 4, 2026 at 12:32:06

**USBM RI8507 And OSMRE**



Time Scale: 15 minutes /div Amplitude Scale: Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 17:02:06 May 4, 2026  
**Histogram Finish Time** 07:29:59 May 5, 2026  
**Number of Intervals** 57.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-0CB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by Instantel  
**File Name** UM17584\_20260504170206.IDFH

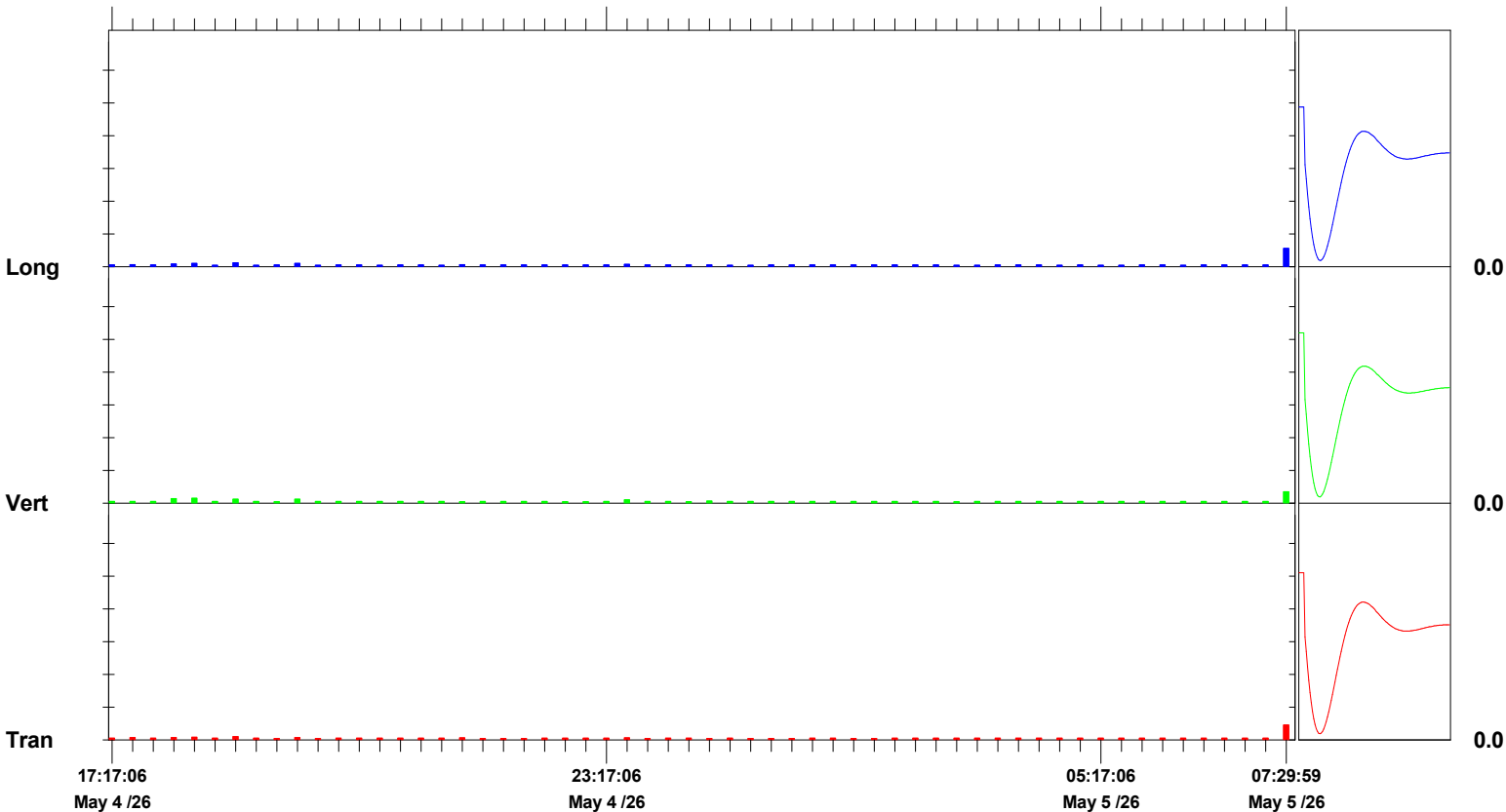
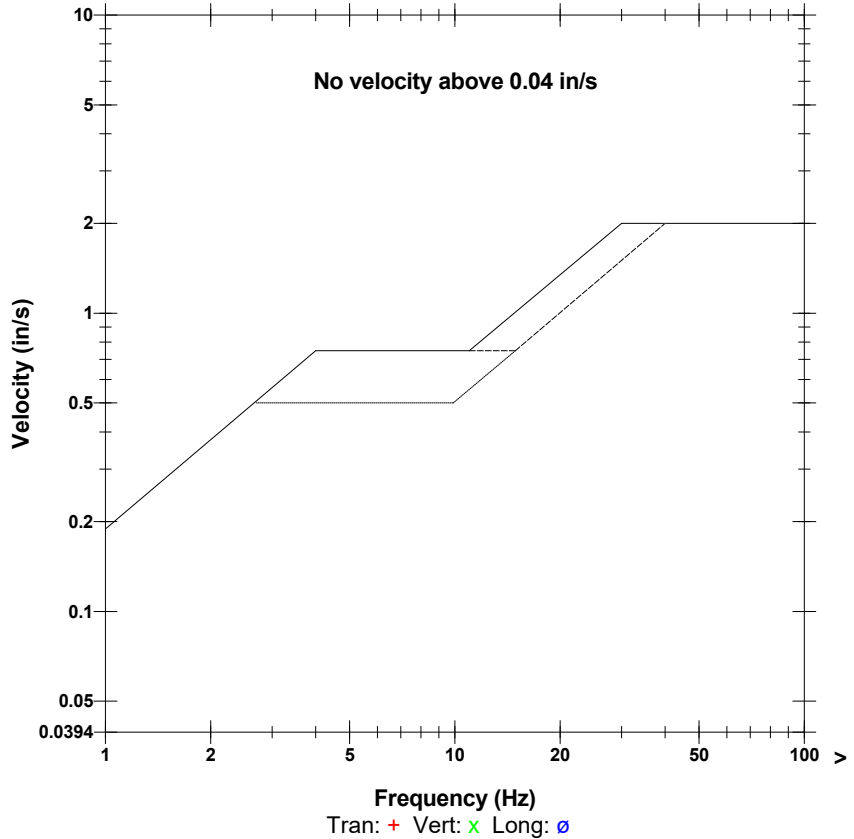
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.022	0.017	0.028	in/s
ZC Freq	47	64	51	Hz
Date	May 5 /26	May 5 /26	May 5 /26	
Time	07:29:59	07:29:59	07:29:59	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.2	4.3	4.6	

**Peak Vector Sum** 0.029 in/s on May 5, 2026 at 07:29:59

**USBM RI8507 And OSMRE**



Sensor Check

**Histogram Start Time** 07:32:06 May 5, 2026  
**Histogram Finish Time** 11:59:59 May 5, 2026  
**Number of Intervals** 17.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-0CB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTel  
**File Name** UM17584\_20260505073206.IDFH

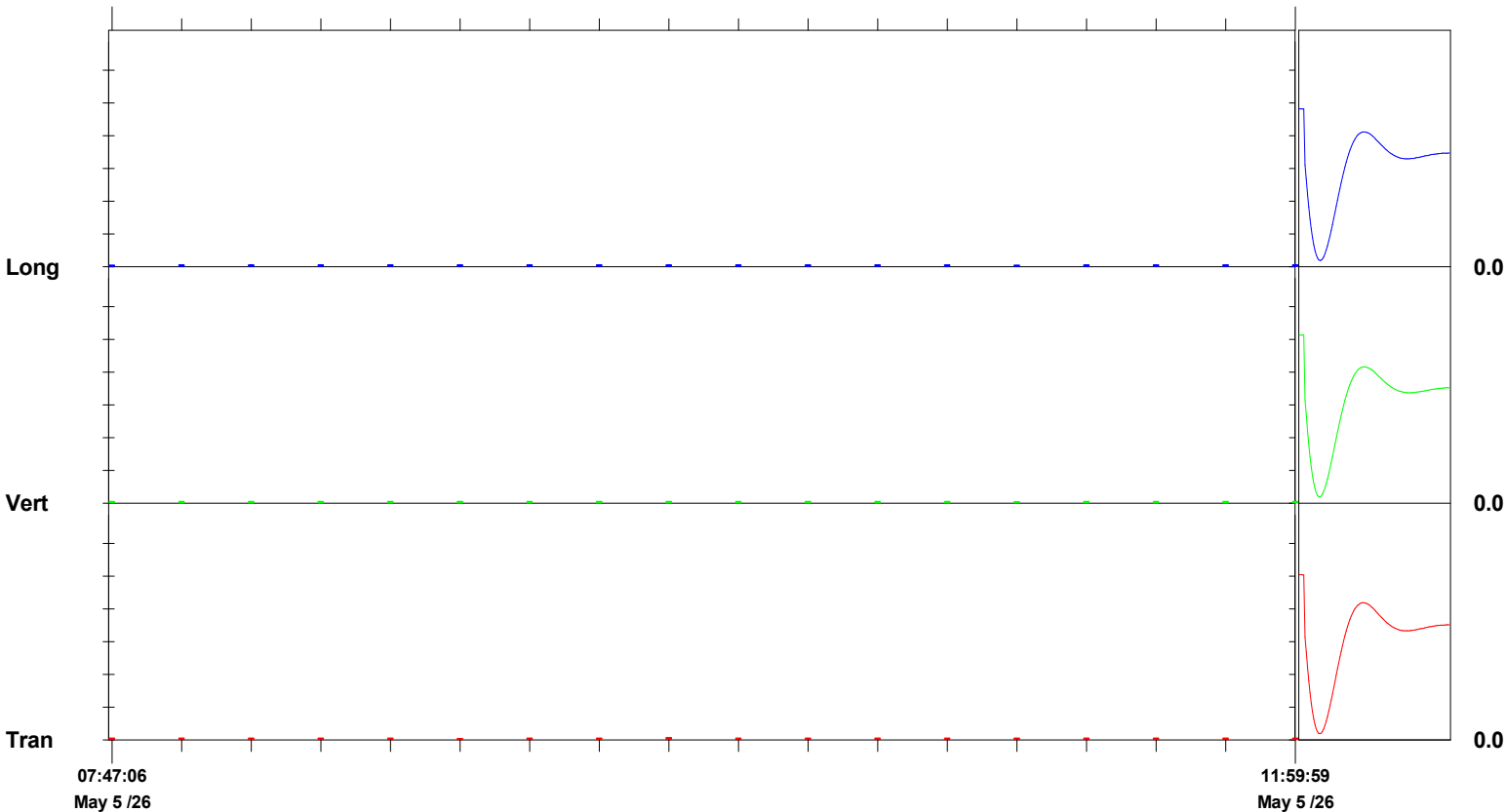
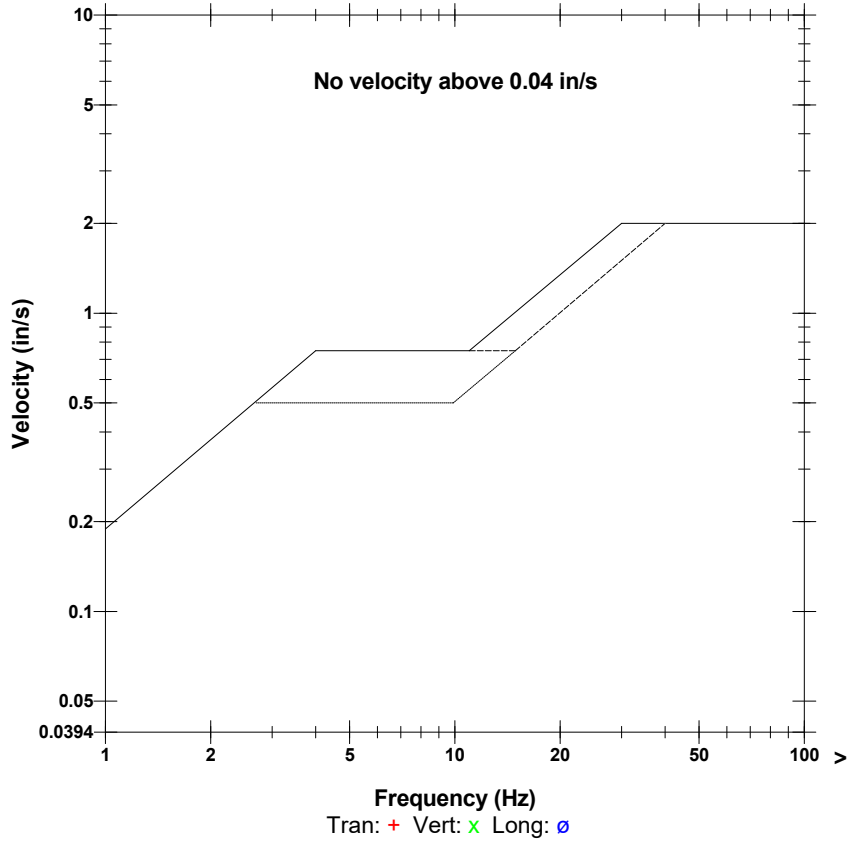
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.003	0.002	0.002	in/s
ZC Freq	43	57	>100	Hz
Date	May 5 /26	May 5 /26	May 5 /26	
Time	09:47:06	07:47:06	08:32:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.3	4.5	4.8	

**Peak Vector Sum** 0.003 in/s on May 5, 2026 at 09:47:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 12:02:06 May 5, 2026  
**Histogram Finish Time** 16:59:59 May 5, 2026  
**Number of Intervals** 19.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by Instantel  
**File Name** UM17584\_20260505120206.IDFH

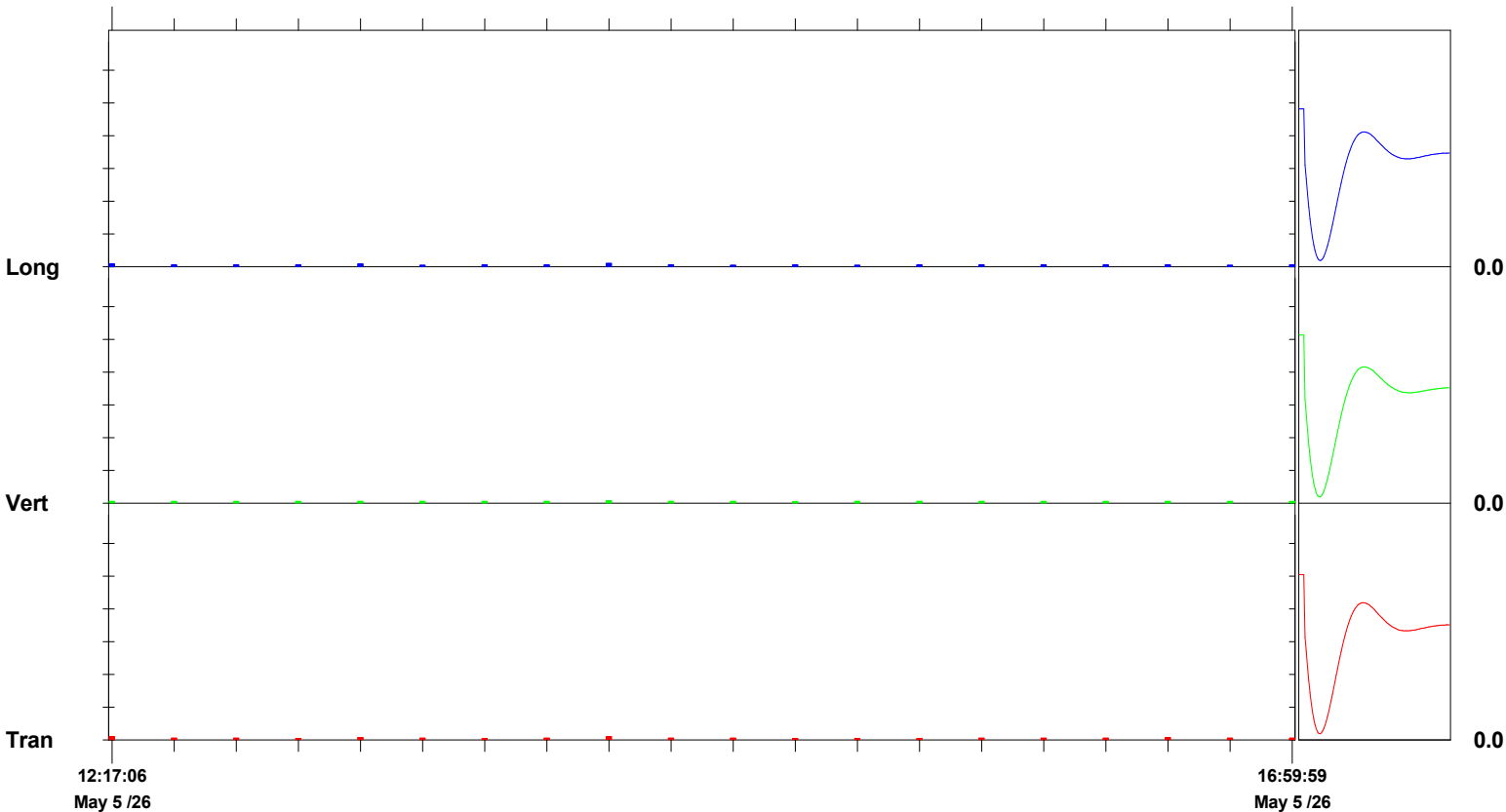
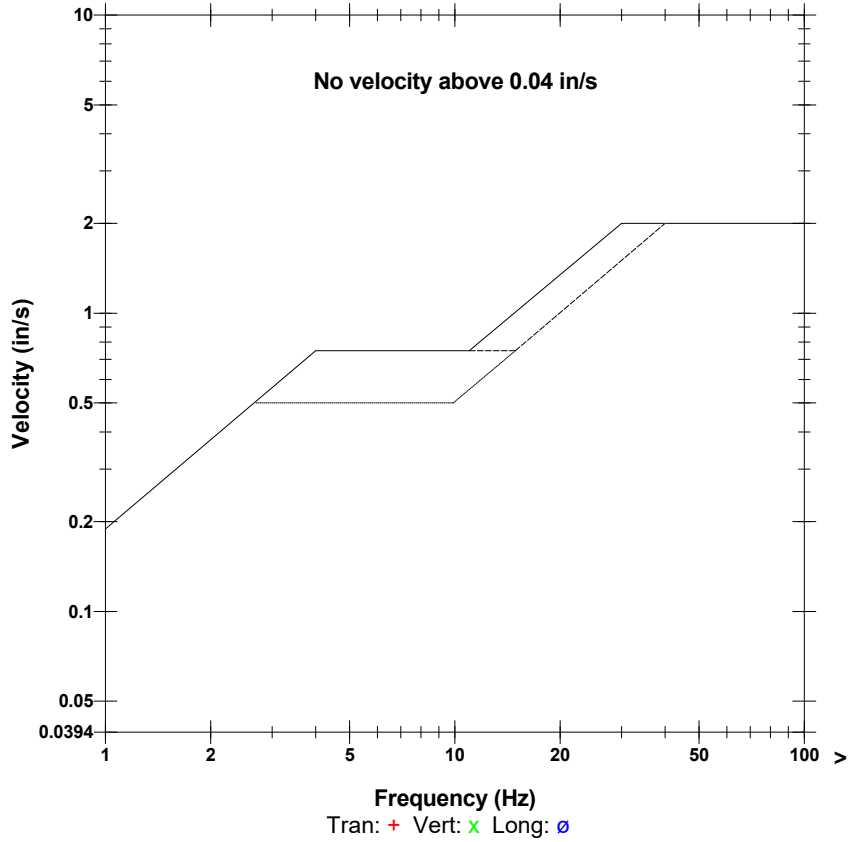
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.005	0.003	0.005	in/s
ZC Freq	43	51	39	Hz
Date	May 5 /26	May 5 /26	May 5 /26	
Time	12:17:06	14:17:06	14:17:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.3	4.5	4.8	

Peak Vector Sum 0.006 in/s on May 5, 2026 at 14:17:06

**USBM RI8507 And OSMRE**



Time Scale: 15 minutes /div Amplitude Scale: Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 17:02:06 May 5, 2026  
**Histogram Finish Time** 07:29:59 May 6, 2026  
**Number of Intervals** 57.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTel  
**File Name** UM17584\_20260505170206.IDFH

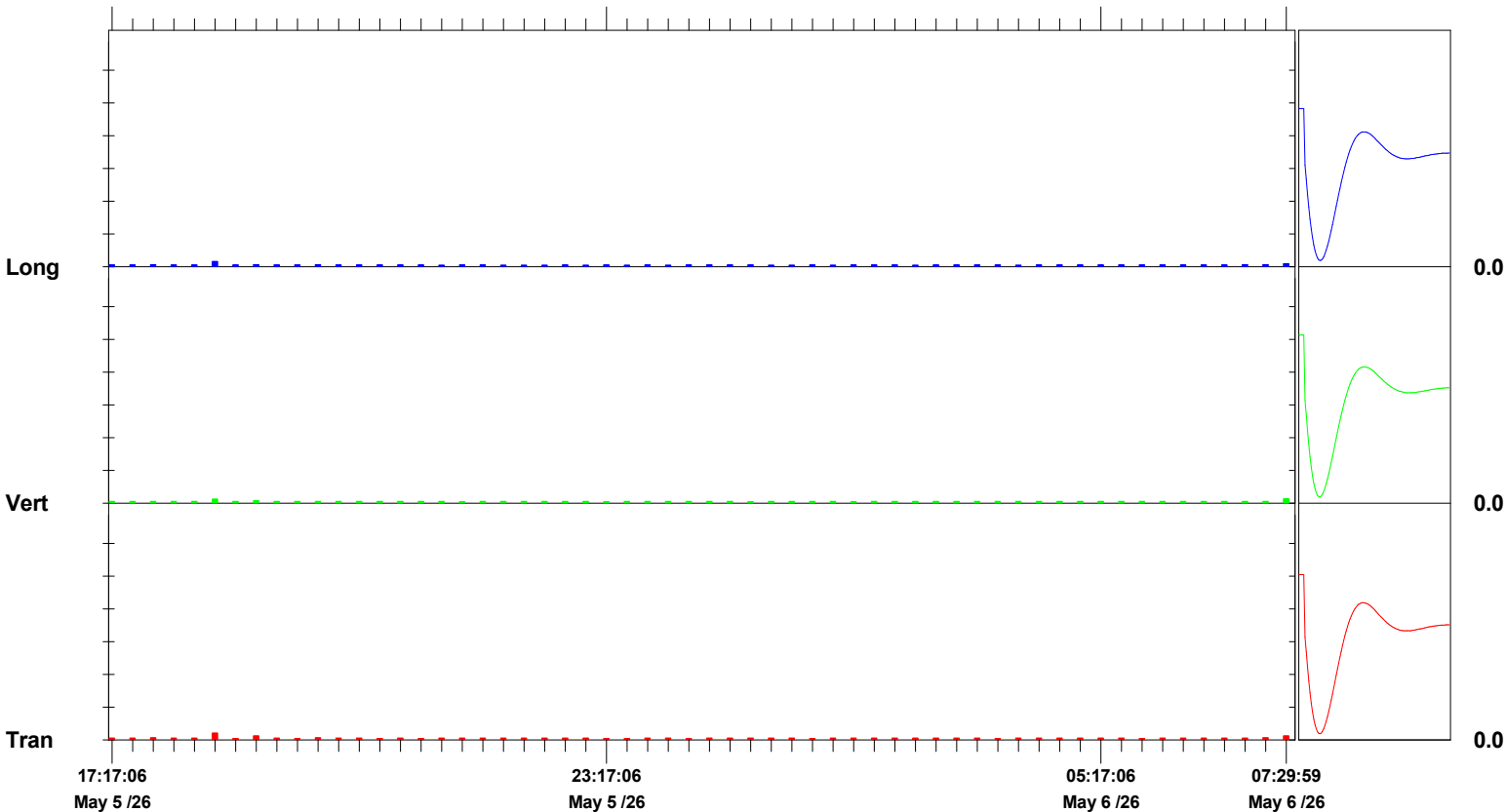
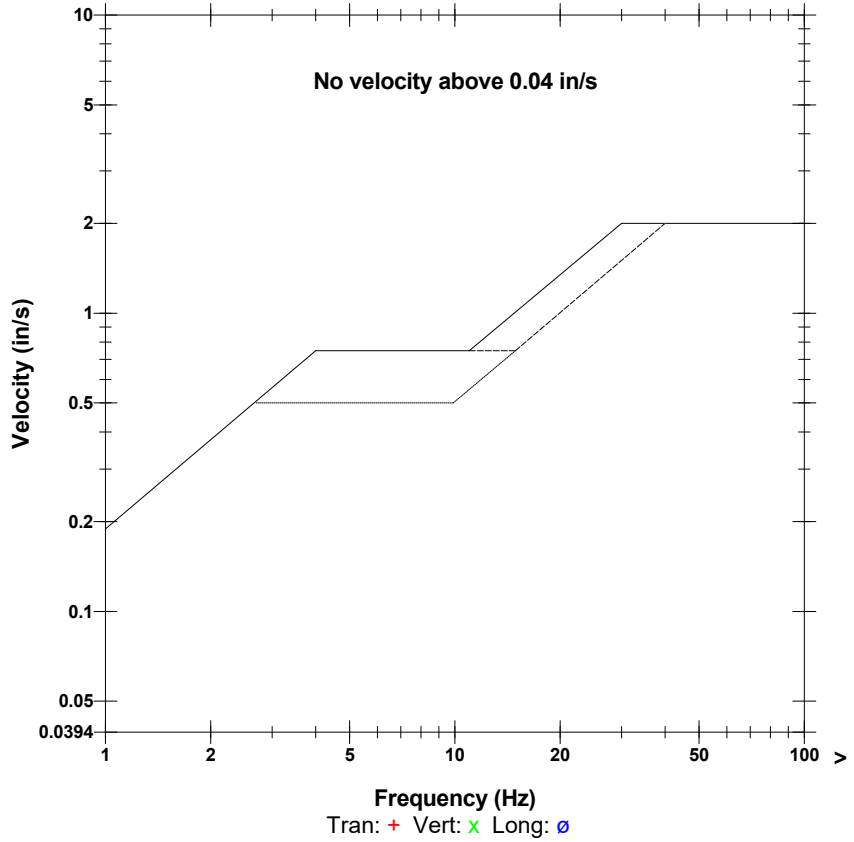
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.010	0.006	0.008	in/s
ZC Freq	43	64	37	Hz
Date	May 5 /26	May 6 /26	May 5 /26	
Time	18:32:06	07:29:59	18:32:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.3	4.5	4.8	

Peak Vector Sum 0.010 in/s on May 5, 2026 at 18:32:06

**USBM RI8507 And OSMRE**



Time Scale: 15 minutes /div Amplitude Scale: Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 07:32:06 May 6, 2026  
**Histogram Finish Time** 11:59:59 May 6, 2026  
**Number of Intervals** 17.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTEL  
**File Name** UM17584\_20260506073206.IDFH

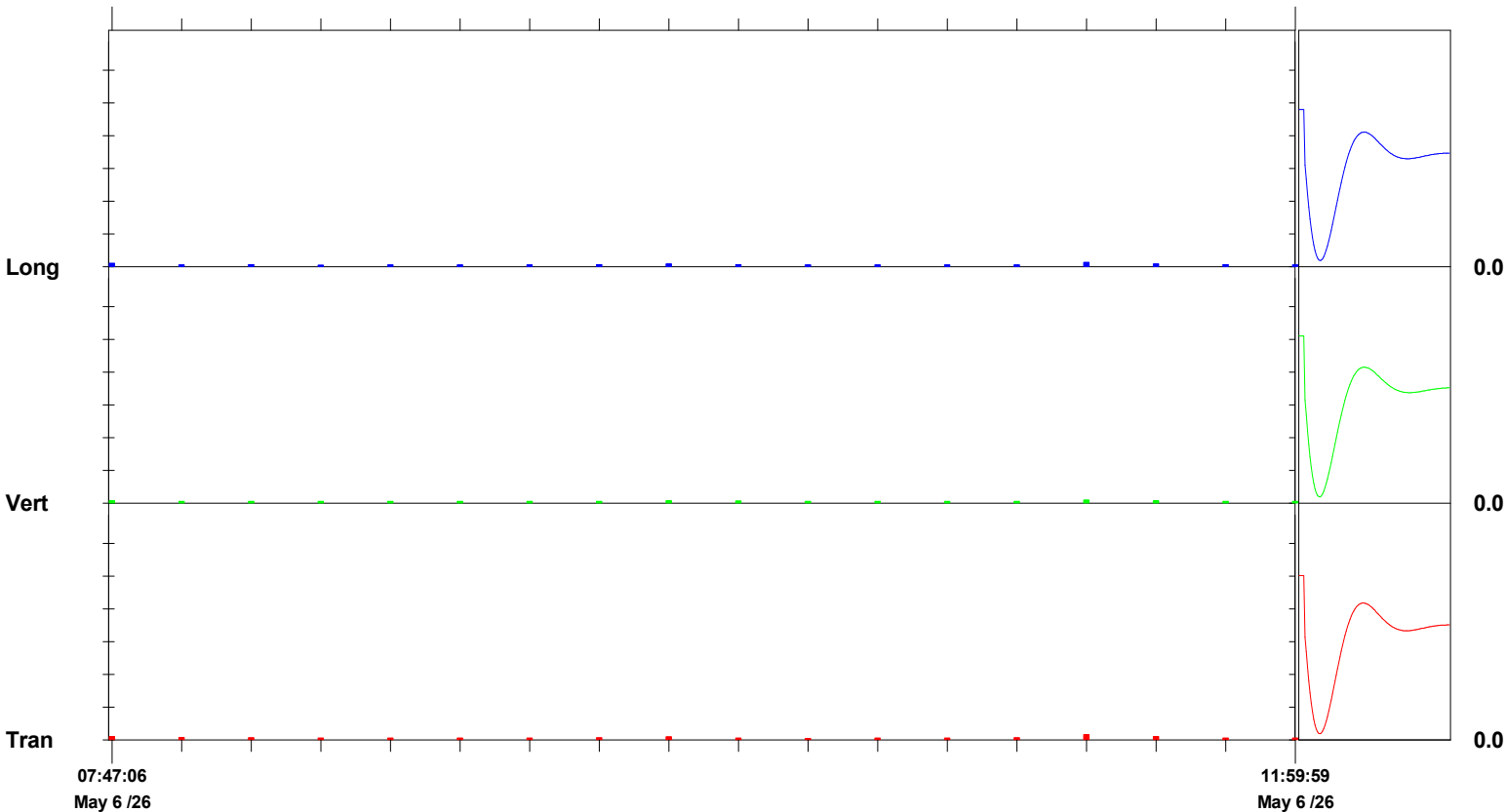
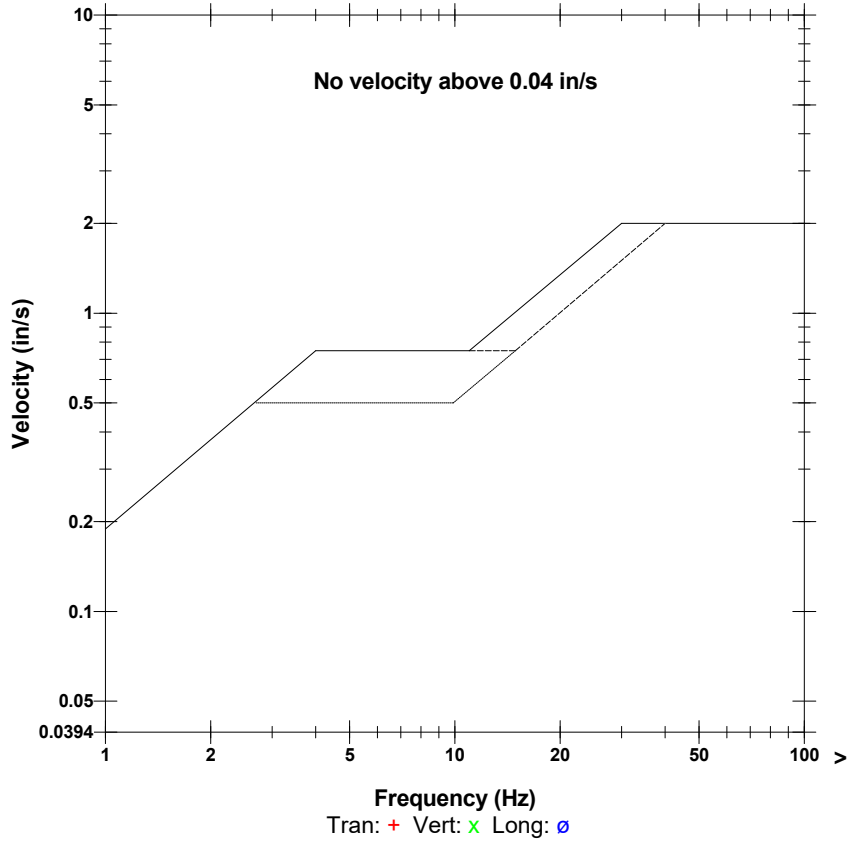
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.008	0.004	0.006	in/s
ZC Freq	23	19	22	Hz
Date	May 6 /26	May 6 /26	May 6 /26	
Time	11:17:06	11:17:06	11:17:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.4	4.5	4.8	

**Peak Vector Sum** 0.009 in/s on May 6, 2026 at 11:17:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 12:02:06 May 6, 2026  
**Histogram Finish Time** 16:59:59 May 6, 2026  
**Number of Intervals** 19.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-0CB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTel  
**File Name** UM17584\_20260506120206.IDFH

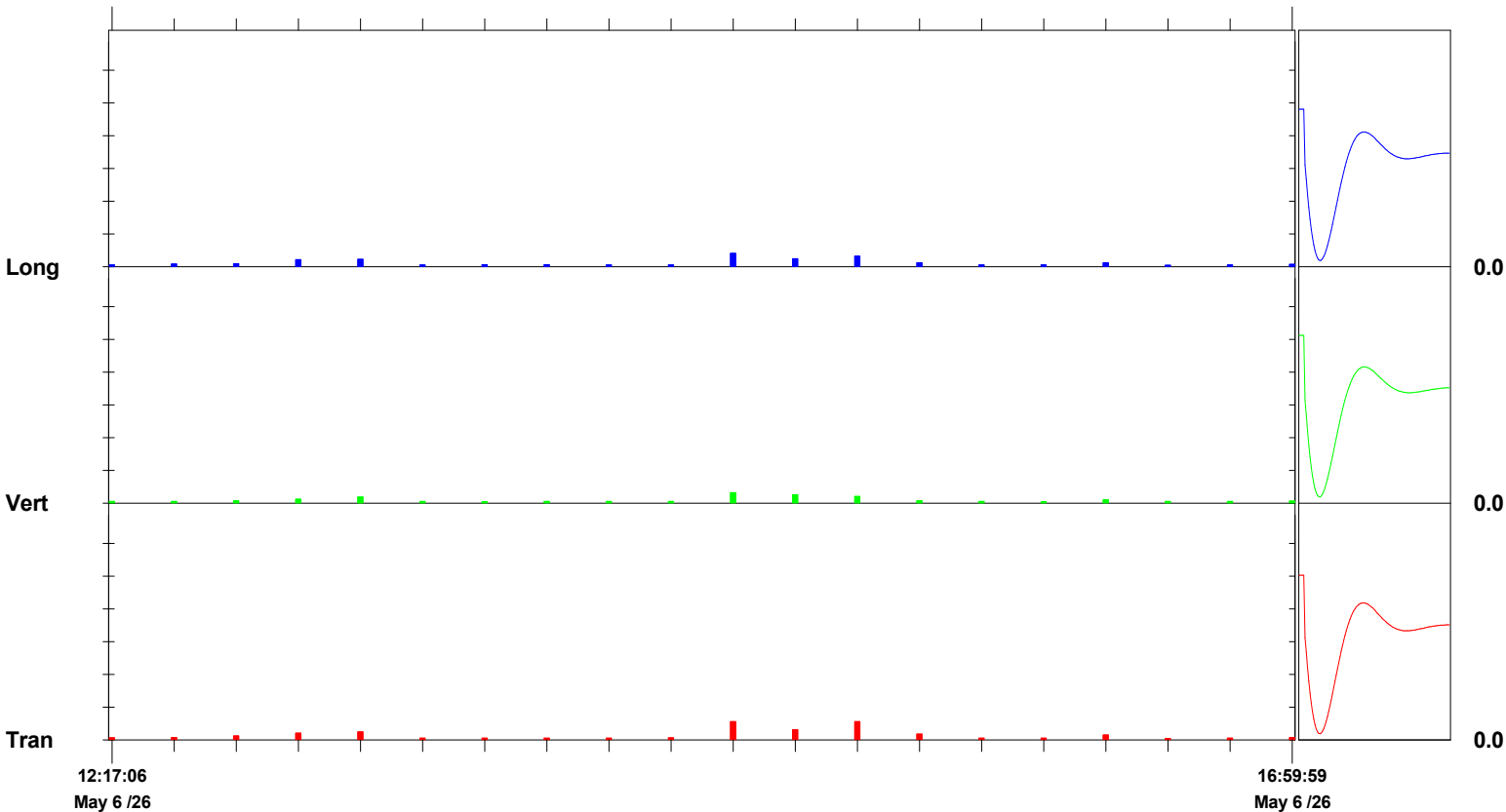
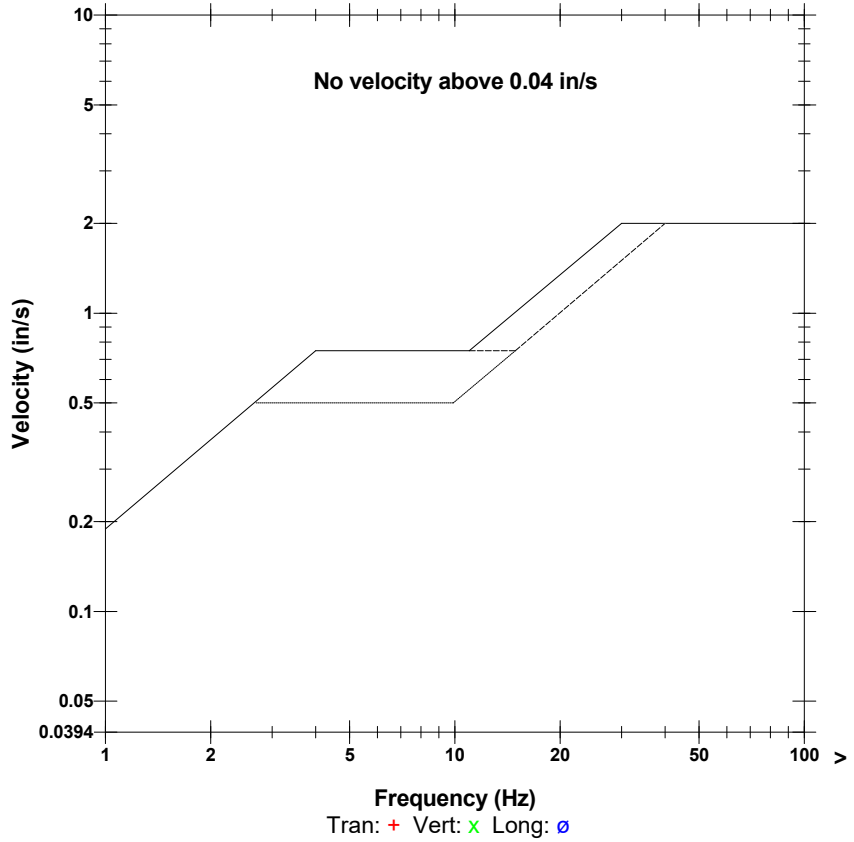
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.028	0.016	0.020	in/s
ZC Freq	32	32	26	Hz
Date	May 6 /26	May 6 /26	May 6 /26	
Time	14:47:06	14:47:06	14:47:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.3	4.5	4.8	

**Peak Vector Sum** 0.034 in/s on May 6, 2026 at 14:47:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 17:02:06 May 6, 2026  
**Histogram Finish Time** 07:29:59 May 7, 2026  
**Number of Intervals** 57.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by Instantel  
**File Name** UM17584\_20260506170206.IDFH

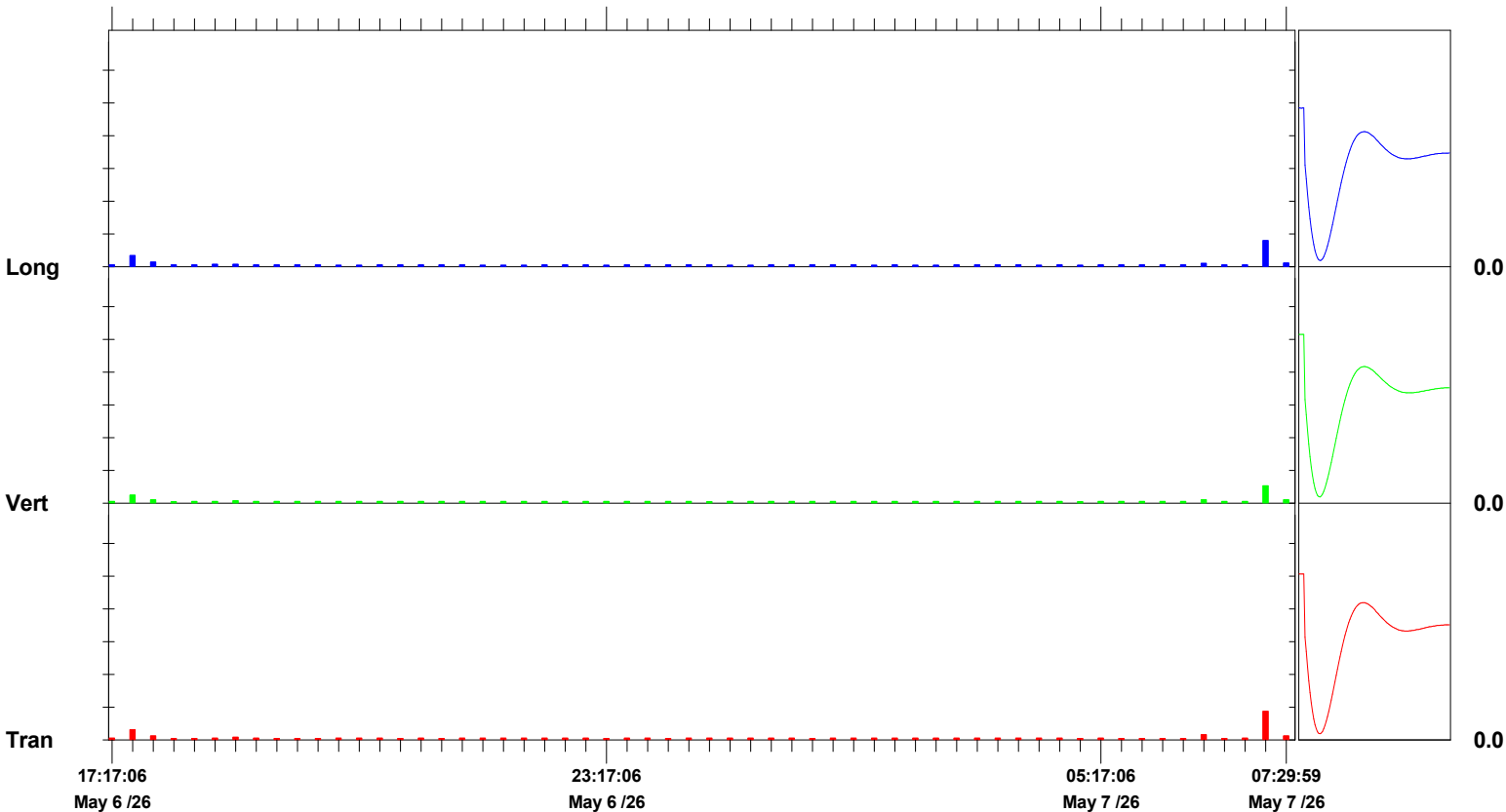
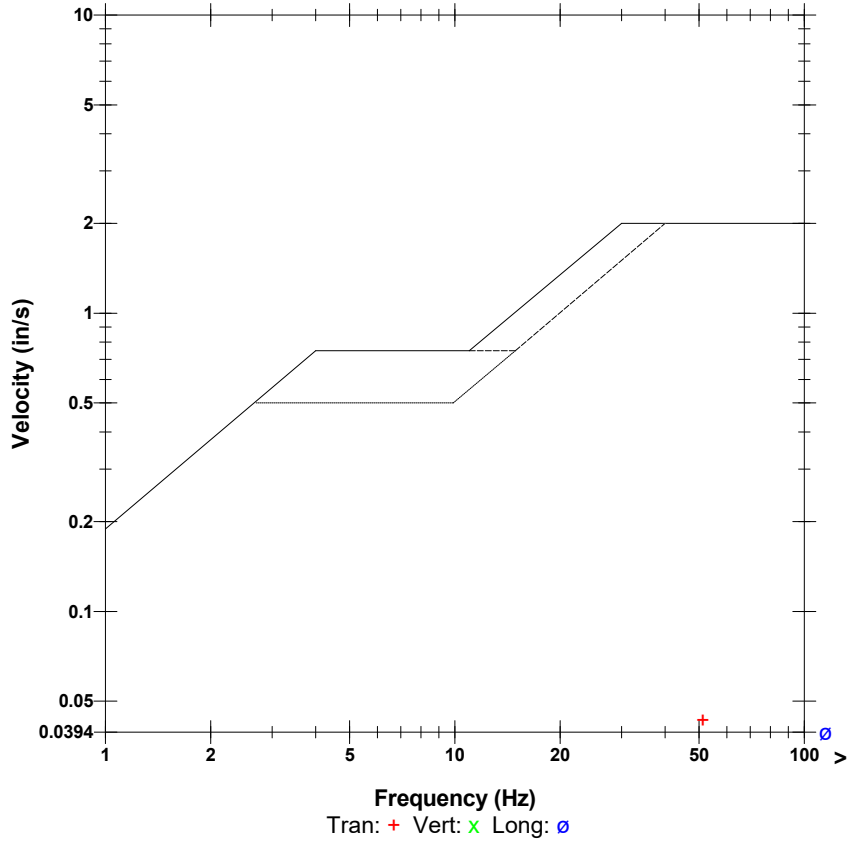
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.043	0.026	0.039	in/s
ZC Freq	51	57	>100	Hz
Date	May 7 /26	May 7 /26	May 7 /26	
Time	07:17:06	07:17:06	07:17:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.3	Hz
Overswing Ratio	4.3	4.4	4.7	

**Peak Vector Sum** 0.052 in/s on May 7, 2026 at 07:17:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check

**Histogram Start Time** 07:32:06 May 7, 2026  
**Histogram Finish Time** 11:59:59 May 7, 2026  
**Number of Intervals** 17.86 at 15 minutes  
**Range** Geo:10.000 in/s  
**Sample Rate** 1024sps  
**Operator/Setup:** Operator/233473 Thurston Elementary School.mmb

**Serial Number** UM17584 V 11-OCB Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 22, 2026 by InstanTEL  
**File Name** UM17584\_20260507073206.IDFH

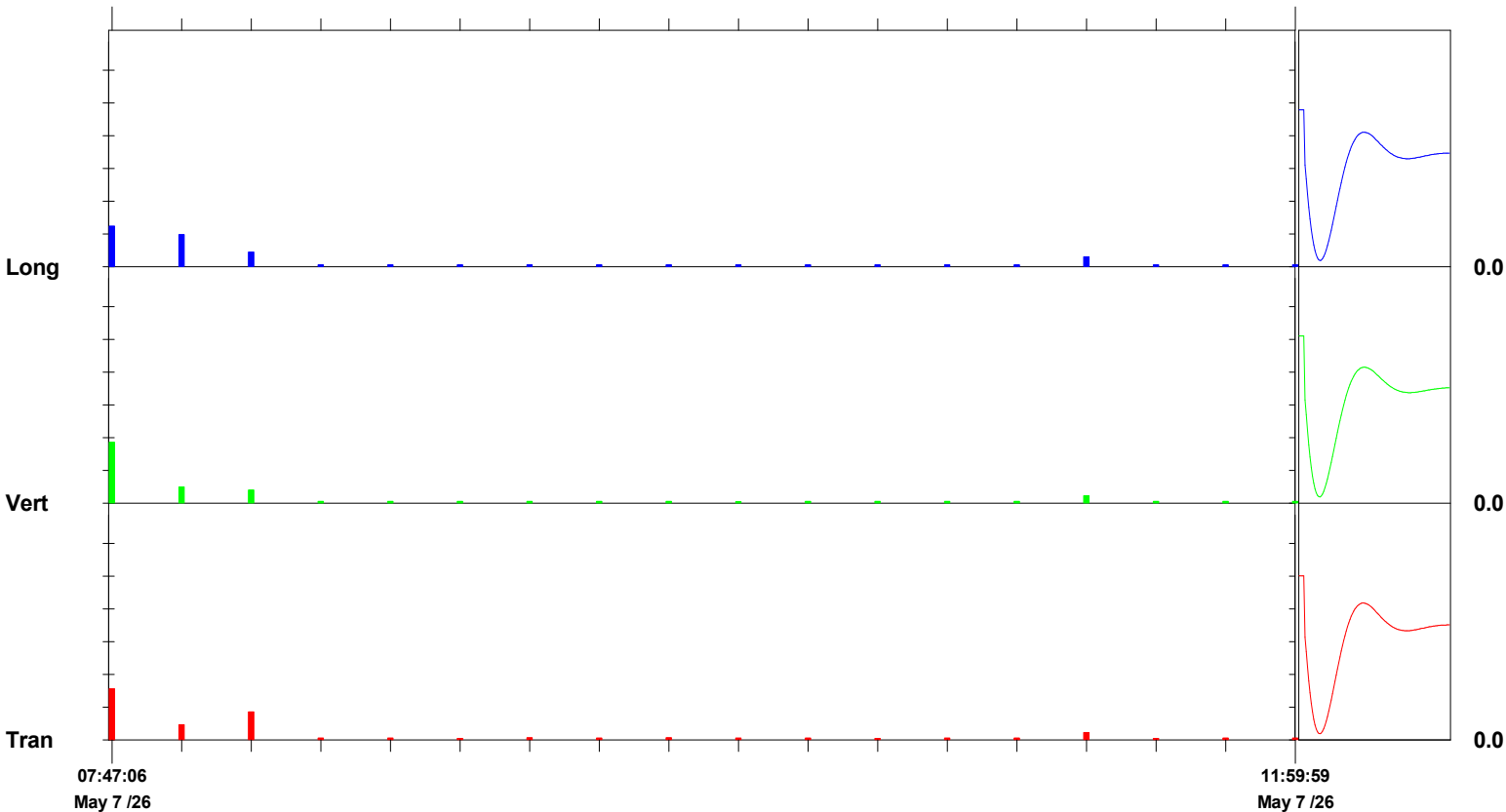
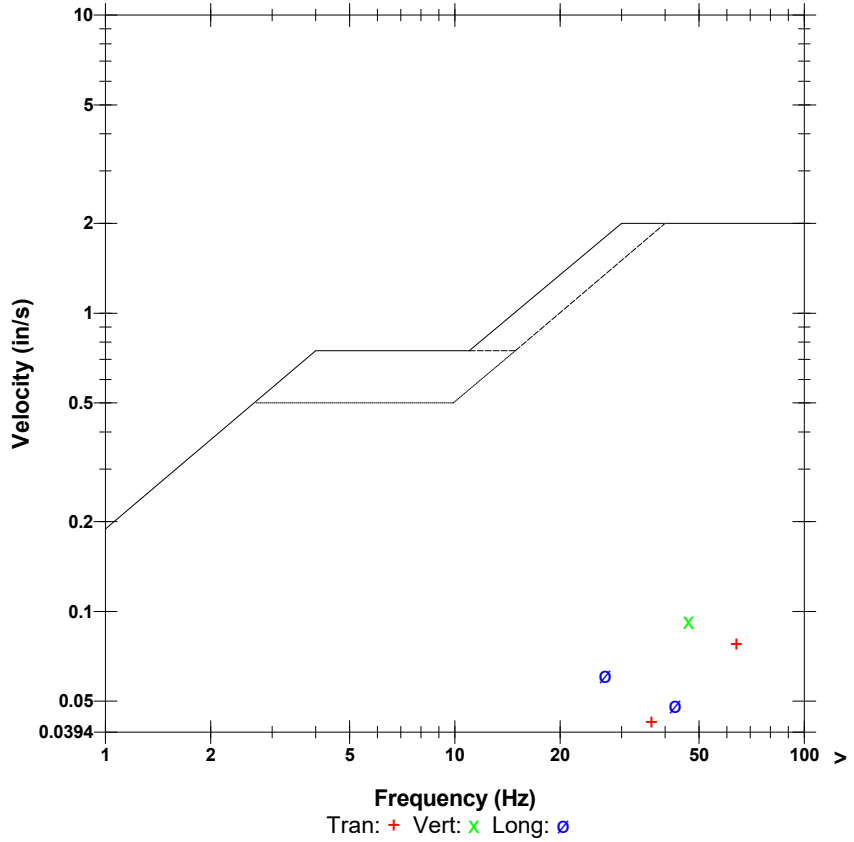
**Notes**  
 Location Thurston Elementary School, Ann Arbor MI  
 Client Gilbane Building Company  
 Company G2 Consulting Group, LLC  
 General Notes G2 Project No. 233473

**Extended Notes**

	Tran	Vert	Long	
PPV	0.078	0.092	0.061	in/s
ZC Freq	64	47	27	Hz
Date	May 7 /26	May 7 /26	May 7 /26	
Time	07:47:06	07:47:06	07:47:06	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.3	7.1	Hz
Overswing Ratio	4.4	4.5	4.8	

**Peak Vector Sum** 0.120 in/s on May 7, 2026 at 07:47:06

**USBM RI8507 And OSMRE**



**Time Scale:** 15 minutes /div **Amplitude Scale:** Geo: 0.050 in/s/div

Sensor Check