

Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 1.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20119
 Micromate ISEE 10.90GC
 3.8 volts
 April 24, 2023 by Instantel
 UM20119_20240212114512.IDFW
 Disabled

Notes

Location Station 1
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.49572 W98.21577

Post Event Notes No text to be displayed.

Geophone

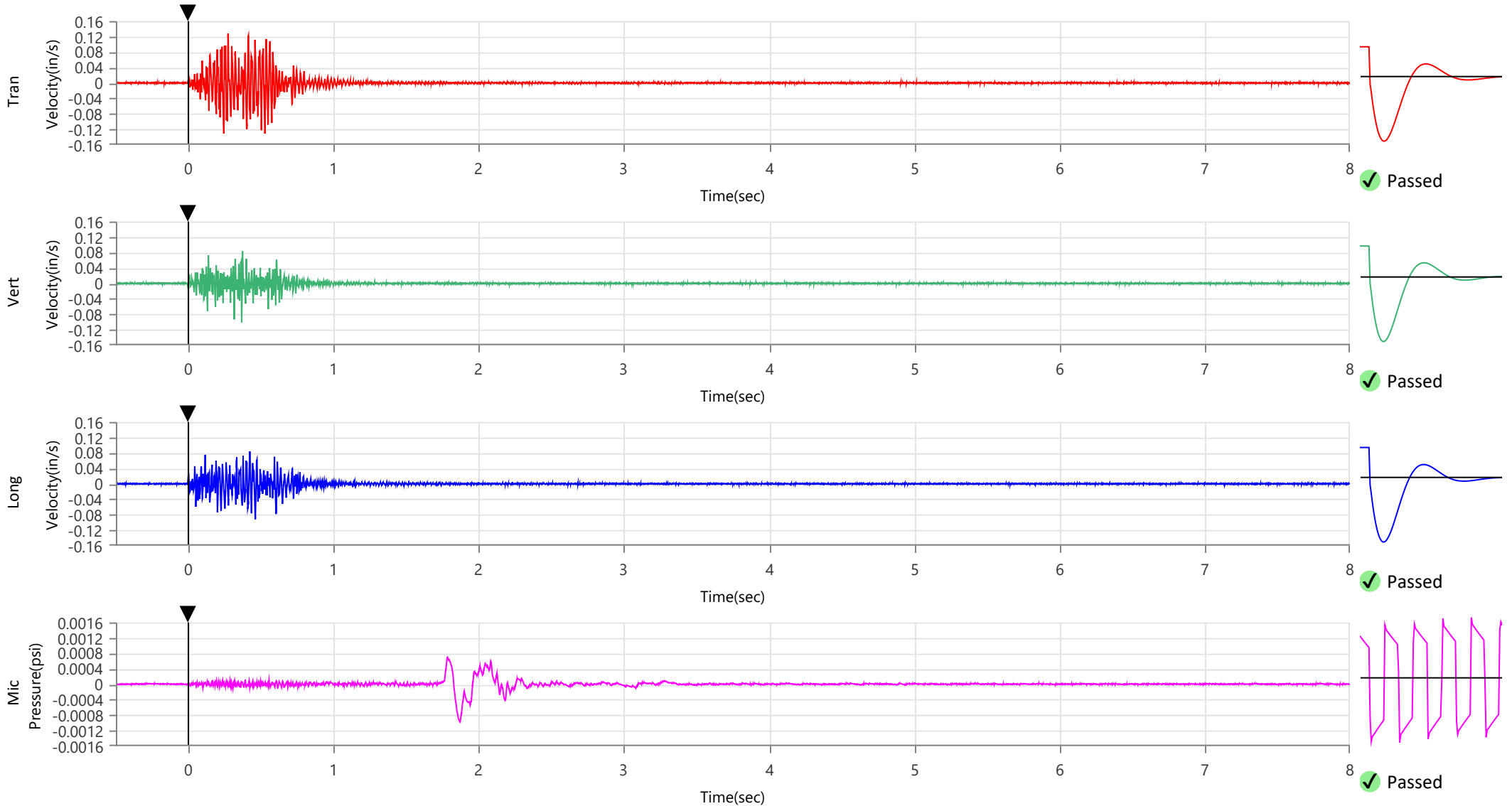
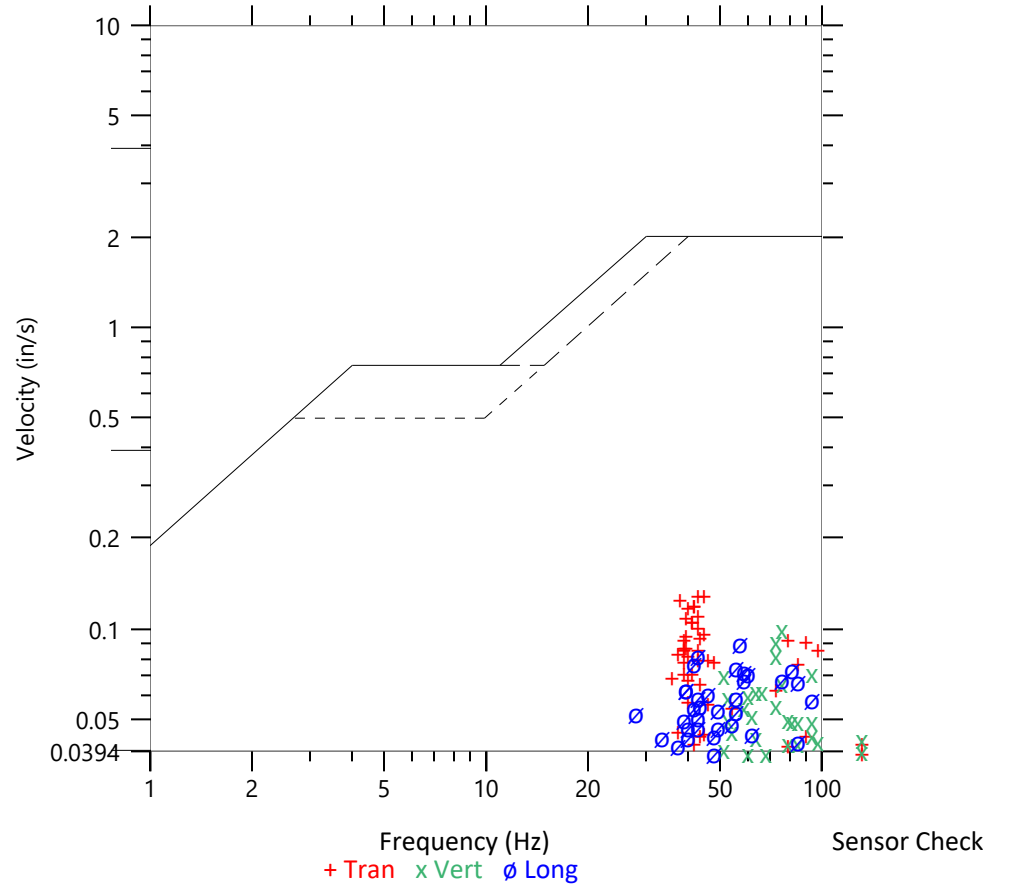
	Tran	Vert	Long
Peak Particle Velocity	0.1309 in/s	0.1009 in/s	0.0915 in/s
Zero Crossing Frequency	42.7 Hz	75.9 Hz	56.9 Hz
Time (Relative to Trigger)	0.244 sec	0.367 sec	0.461 sec
Peak Acceleration	0.181 g	0.125 g	0.105 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.9 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	5.1	4.5	5.0

Peak Vector Sum 0.1320 in/s at 0.244 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000968 psi
 Peak Sound Pressure Level 110.5 dB(L)
 Time (Relative to Trigger) 1.870 sec
 Zero Crossing Frequency 3.8 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1532 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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 Operator

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Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20119
 Micromate ISEE 10.90GC
 3.8 volts
 April 24, 2023 by Instantel
 UM20119_20240212114512.IDFW
 Disabled

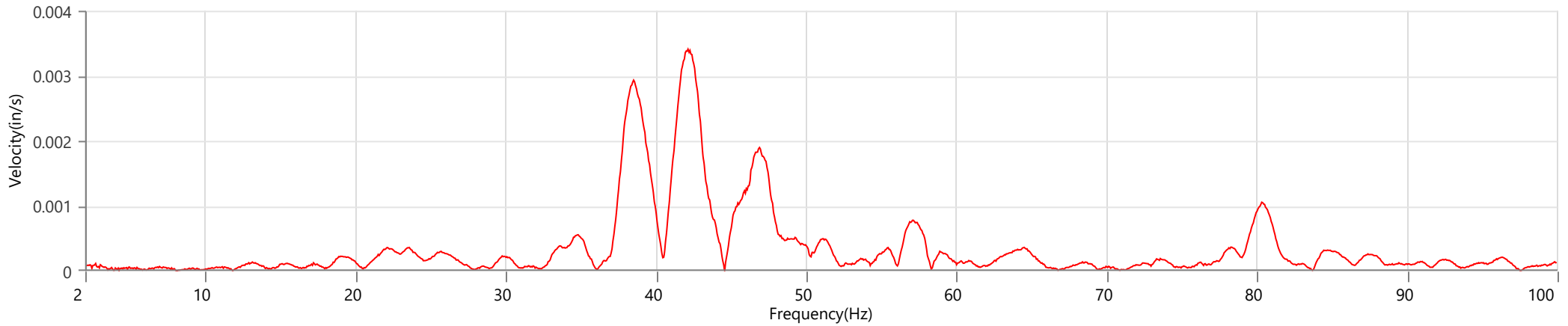
Notes

Location Station 1
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

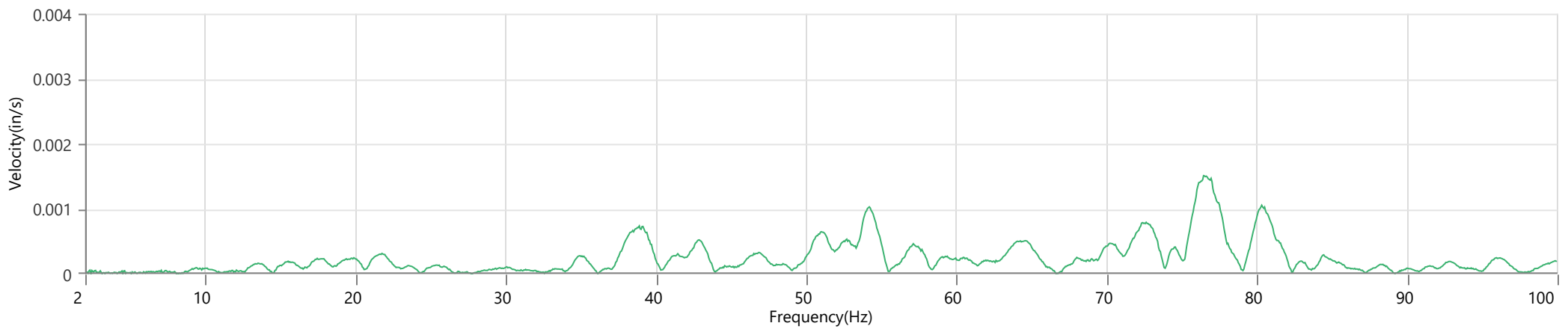
Extended Note N30.49572 W98.21577

Post Event Notes No text to be displayed.

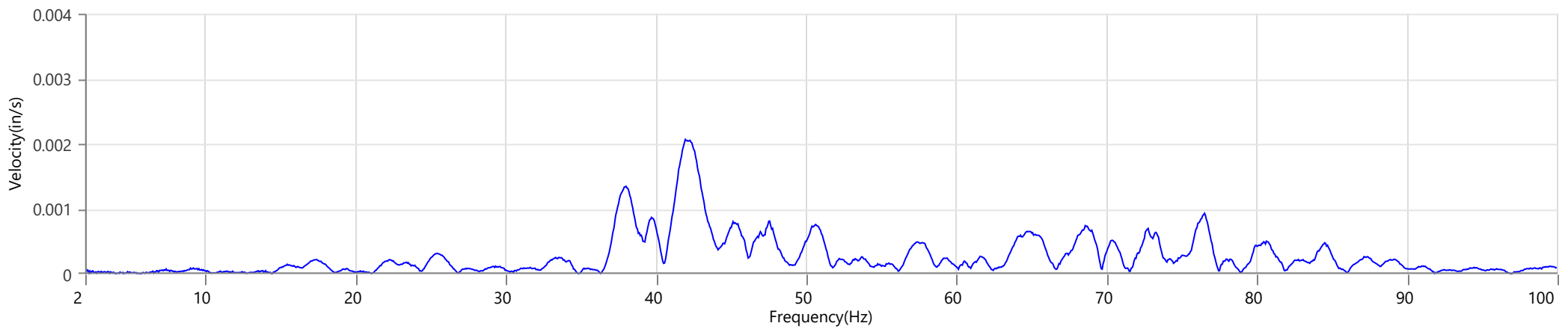
Tran - Dominant Frequency 42.1 Hz, Amplitude 0.0034 in/s (Peak Particle Velocity: 0.1309 in/s)



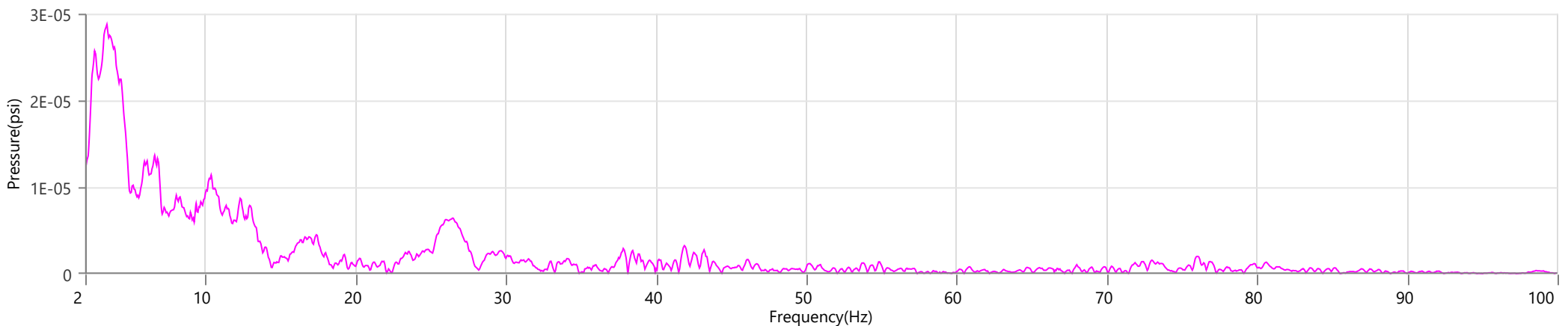
Vert - Dominant Frequency 76.4 Hz, Amplitude 0.0015 in/s (Peak Particle Velocity: 0.1009 in/s)



Long - Dominant Frequency 41.9 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.0915 in/s)



Mic - Dominant Frequency 3.4 Hz, Amplitude 0.00003 psi (Peak Sound Pressure Level: 0.000968 psi)



Waveform Trigger Source
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Long at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 2.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM7306
 Micromate ISEE 10.90GC
 3.8 volts
 August 18, 2023 by Instantel
 UM7306_20240212114512.IDFW
 Disabled

Notes

Location Station 2
 Client Spicewood Crushed Stone
 Company Hwy 71
 General Notes IGS, Inc

Extended Note N30.49650 W21572

Post Event Notes No text to be displayed.

Geophone

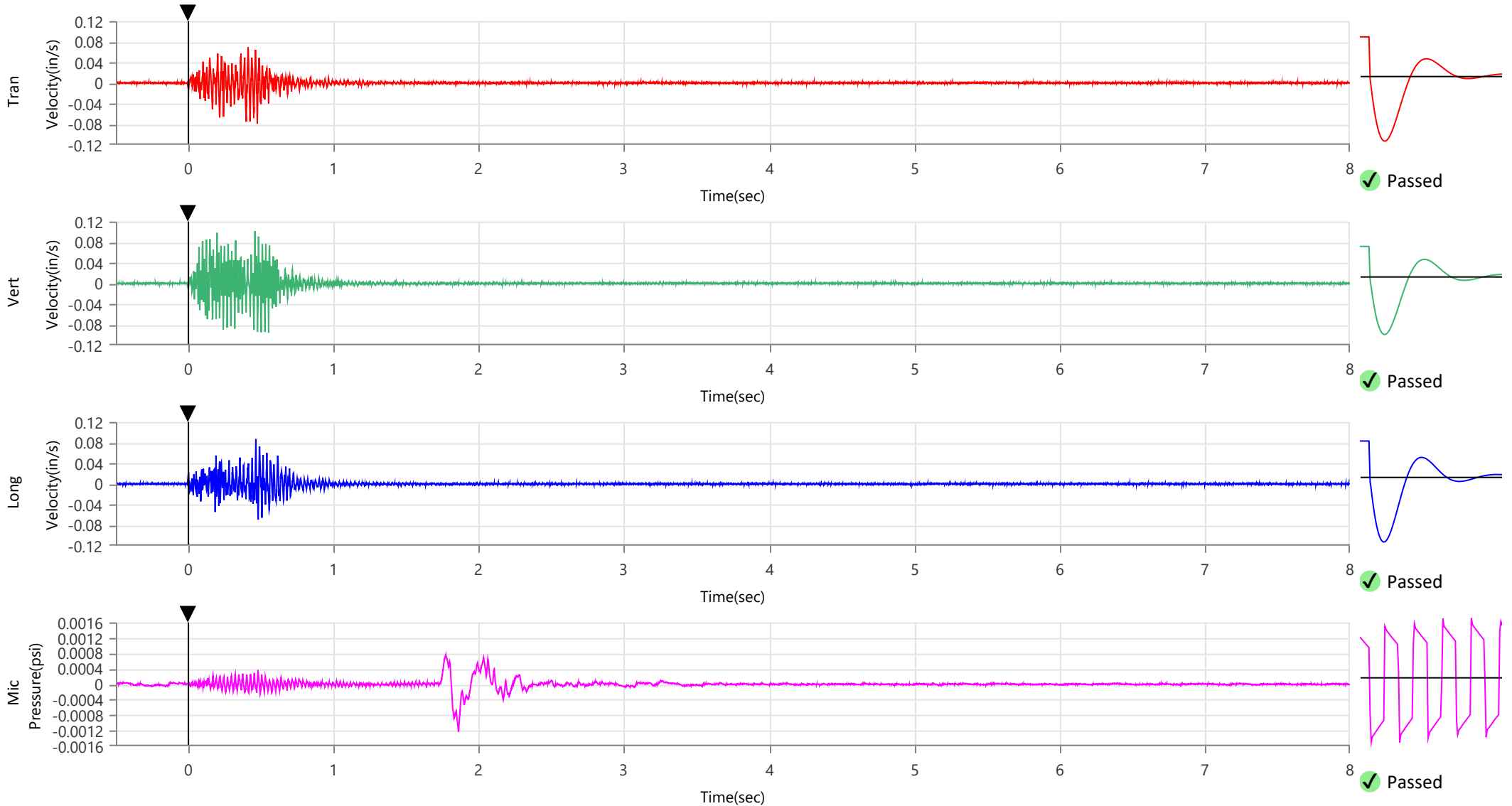
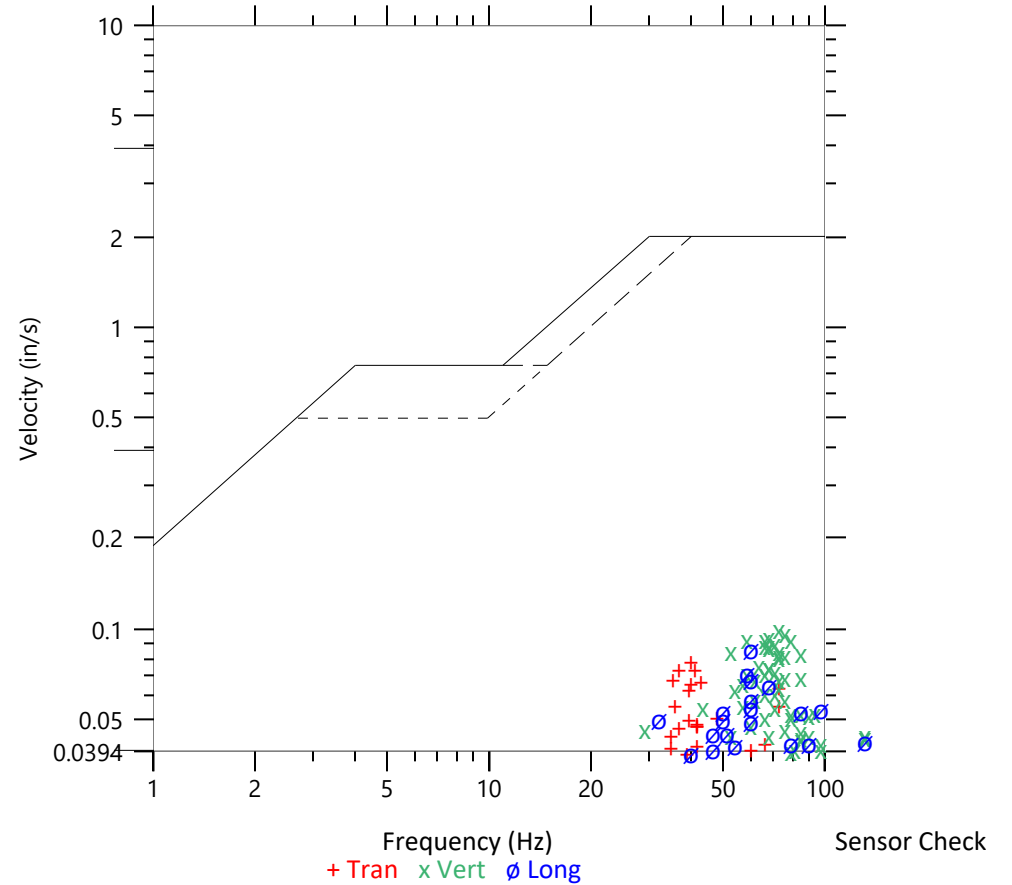
	Tran	Vert	Long
Peak Particle Velocity	0.0791 in/s	0.1015 in/s	0.0869 in/s
Zero Crossing Frequency	40.2 Hz	73.1 Hz	60.2 Hz
Time (Relative to Trigger)	0.475 sec	0.458 sec	0.465 sec
Peak Acceleration	0.089 g	0.135 g	0.099 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.7 Hz
Overswing Ratio	3.6	3.2	3.2

Peak Vector Sum 0.1219 in/s at 0.476 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001224 psi
 Peak Sound Pressure Level 112.5 dB(L)
 Time (Relative to Trigger) 1.861 sec
 Zero Crossing Frequency 3.7 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1542 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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Long at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 2.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM7306
 Micromate ISEE 10.90GC
 3.8 volts
 August 18, 2023 by Instantel
 UM7306_20240212114512.IDFW
 Disabled

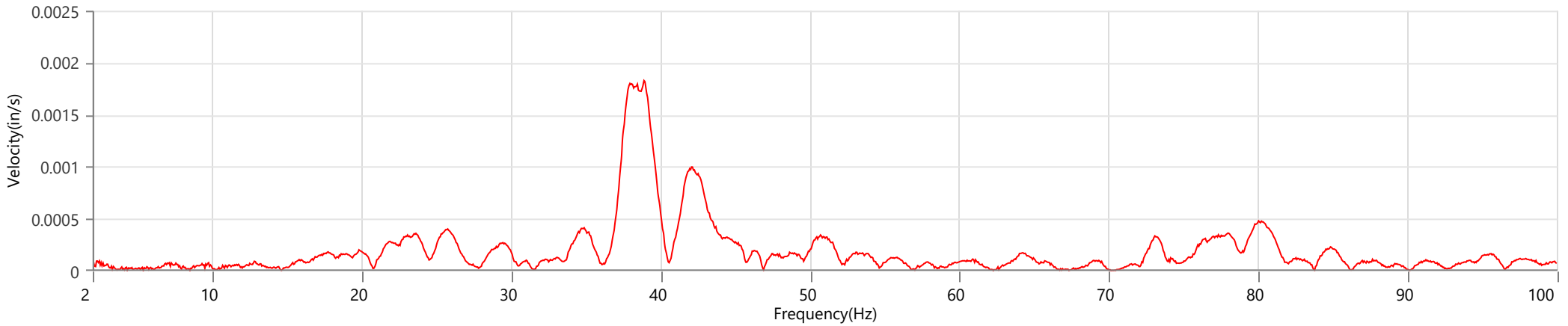
Notes

Location Station 2
 Client Spicewood Crushed Stone
 Company Hwy 71
 General Notes IGS, Inc

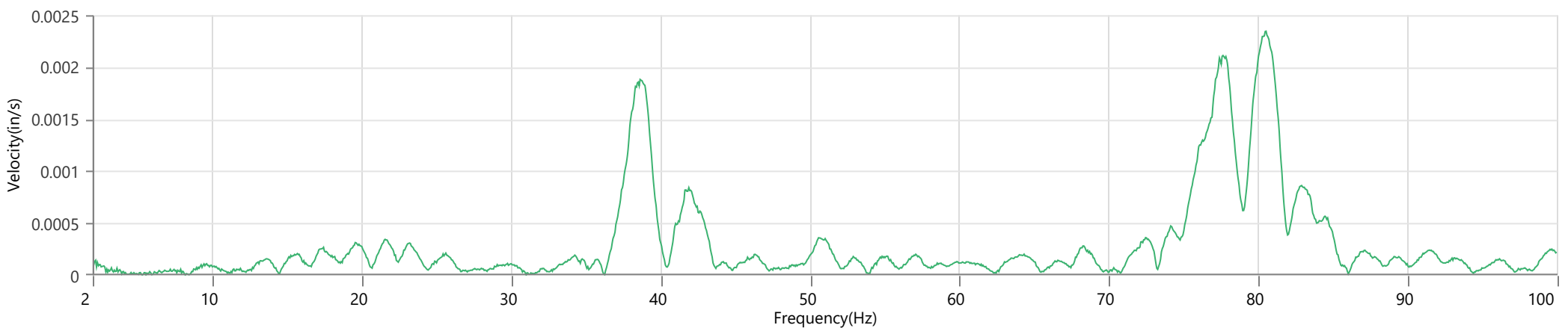
Extended Note N30.49650 W21572

Post Event Notes No text to be displayed.

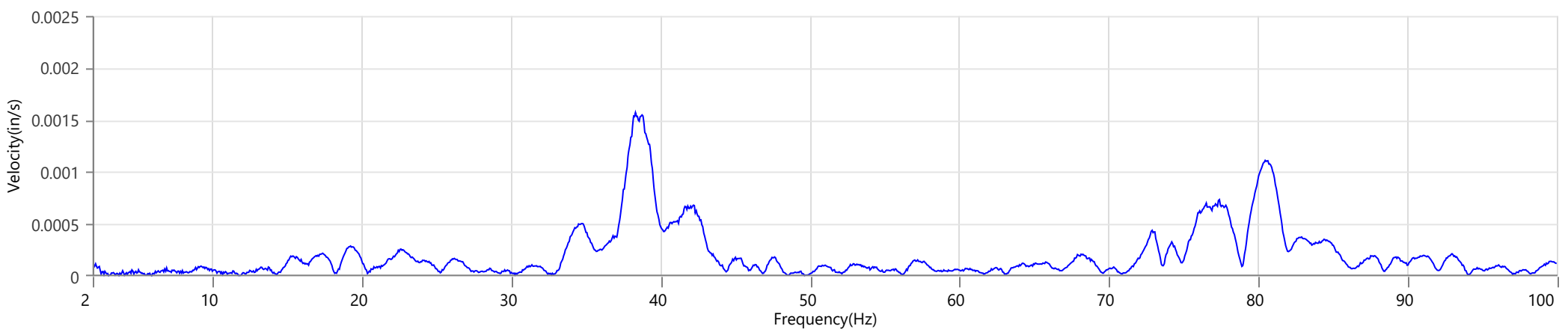
Tran - Dominant Frequency 38.9 Hz, Amplitude 0.0018 in/s (Peak Particle Velocity: 0.0791 in/s)



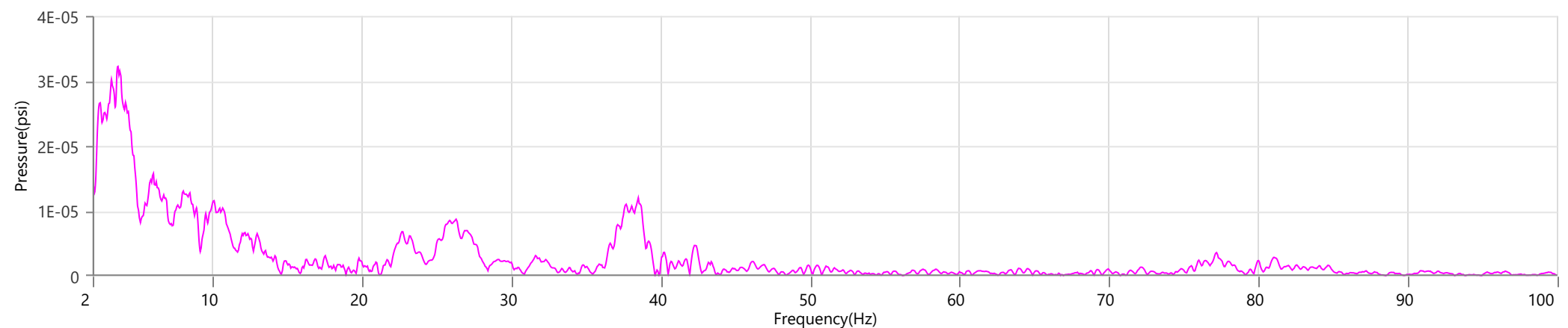
Vert - Dominant Frequency 80.5 Hz, Amplitude 0.0023 in/s (Peak Particle Velocity: 0.1015 in/s)



Long - Dominant Frequency 38.3 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.0869 in/s)



Mic - Dominant Frequency 3.7 Hz, Amplitude 0.00003 psi (Peak Sound Pressure Level: 0.001224 psi)



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Long at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 3.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20082
 Micromate ISEE 10.90GC
 3.8 volts
 May 19, 2023 by InstanTel
 UM20082_20240212114512.IDFW
 Disabled

Notes

Location Station 3
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.49742 W98.21566

Post Event Notes No text to be displayed.

Geophone

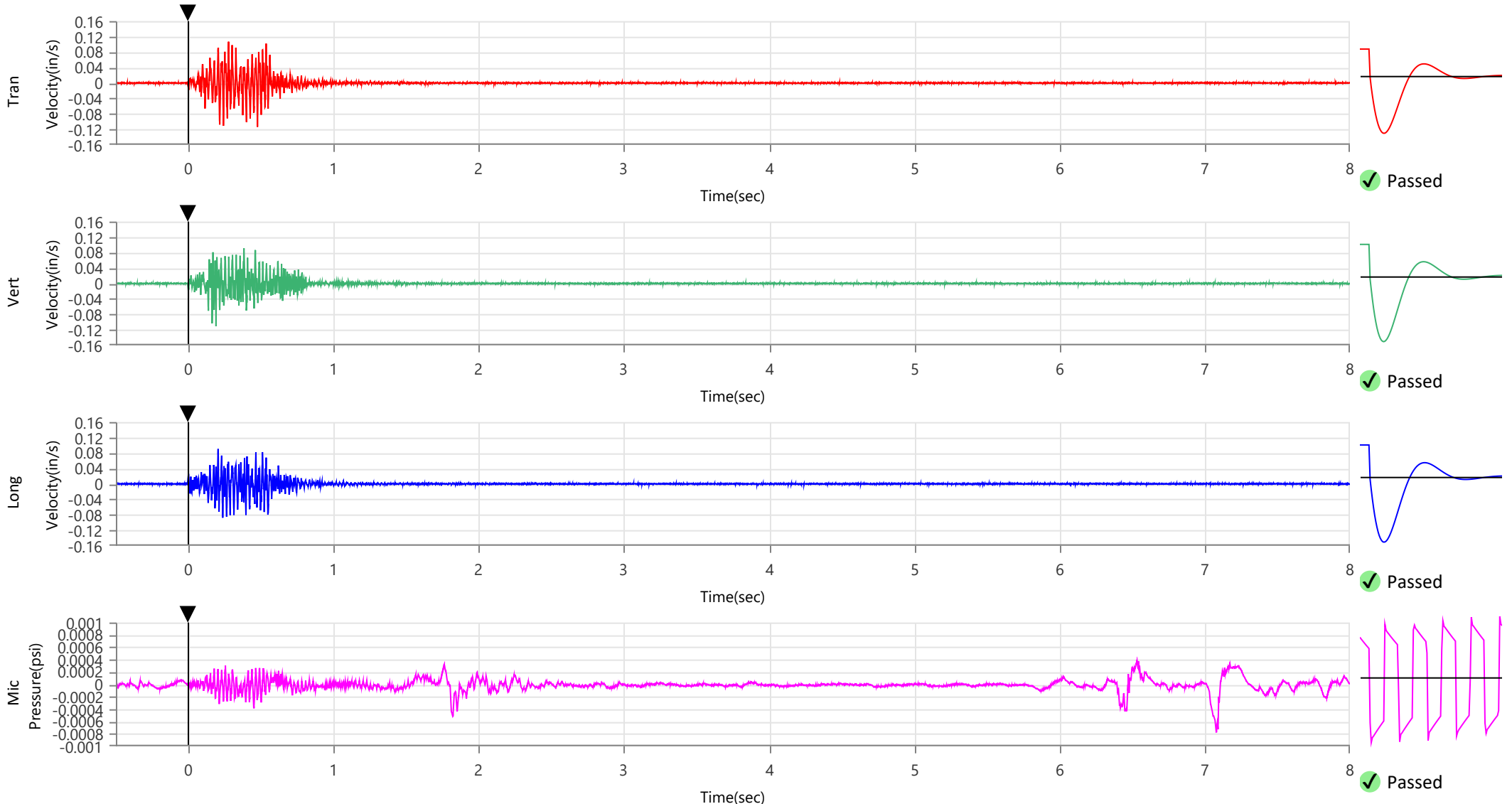
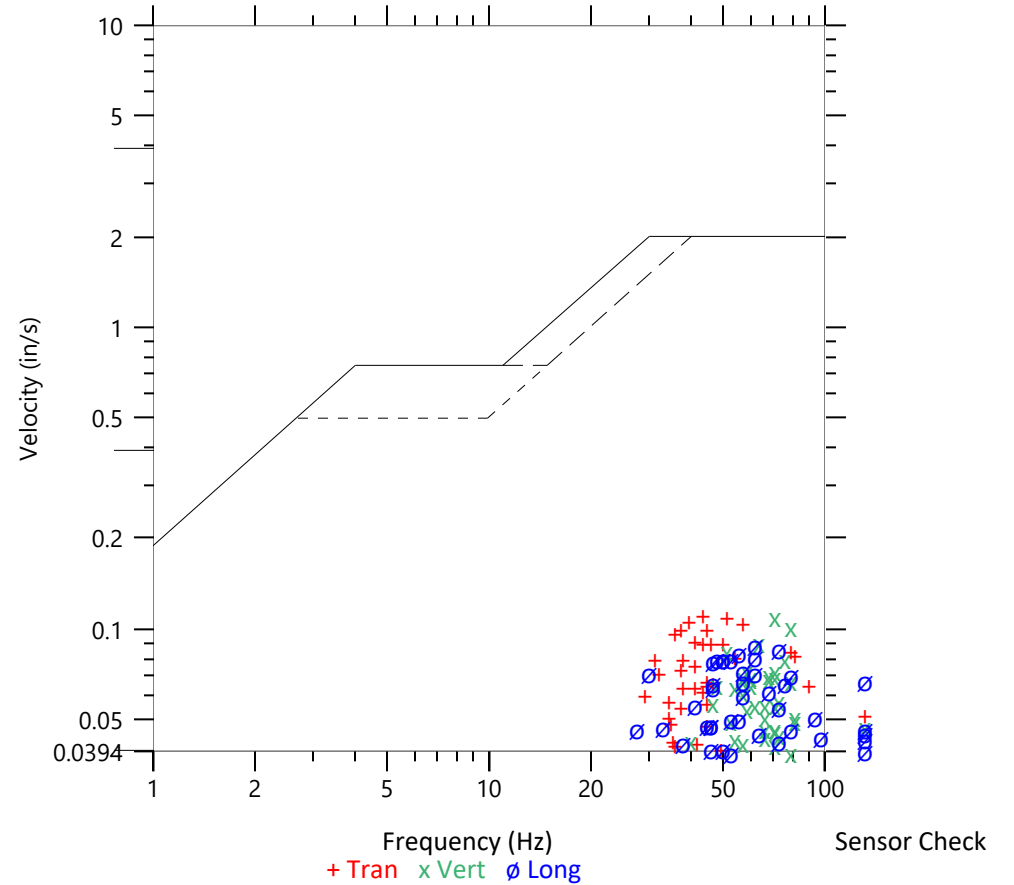
	Tran	Vert	Long
Peak Particle Velocity	0.1136 in/s	0.1108 in/s	0.0903 in/s
Zero Crossing Frequency	43.6 Hz	70.6 Hz	62.1 Hz
Time (Relative to Trigger)	0.476 sec	0.190 sec	0.204 sec
Peak Acceleration	0.142 g	0.138 g	0.128 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.4	4.2	4.3

Peak Vector Sum 0.1312 in/s at 0.476 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000776 psi
 Peak Sound Pressure Level 108.6 dB(L)
 Time (Relative to Trigger) 7.081 sec
 Zero Crossing Frequency 5.4 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1607 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
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Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Long at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 3.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM20082
 Micromate ISEE 10.90GC
 3.8 volts
 May 19, 2023 by InstanTel
 UM20082_20240212114512.IDFW
 Disabled

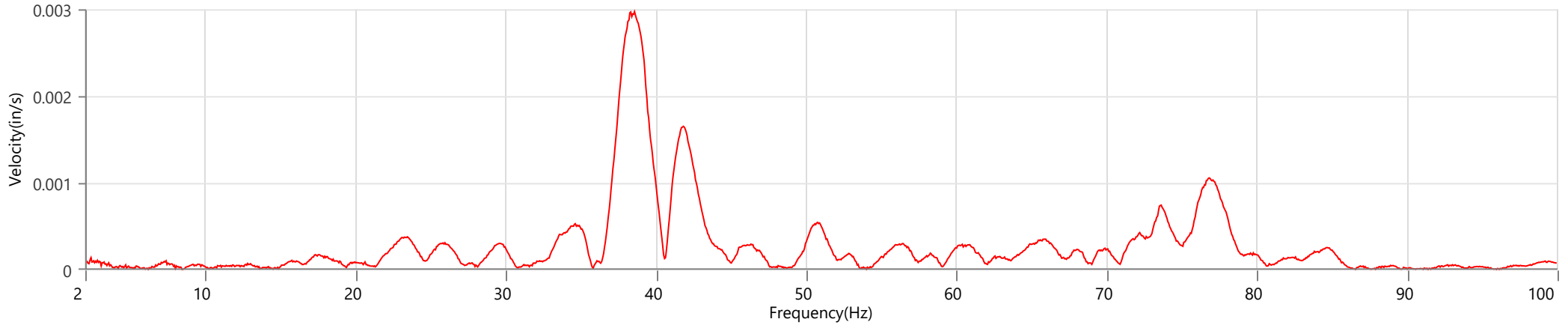
Notes

Location Station 3
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

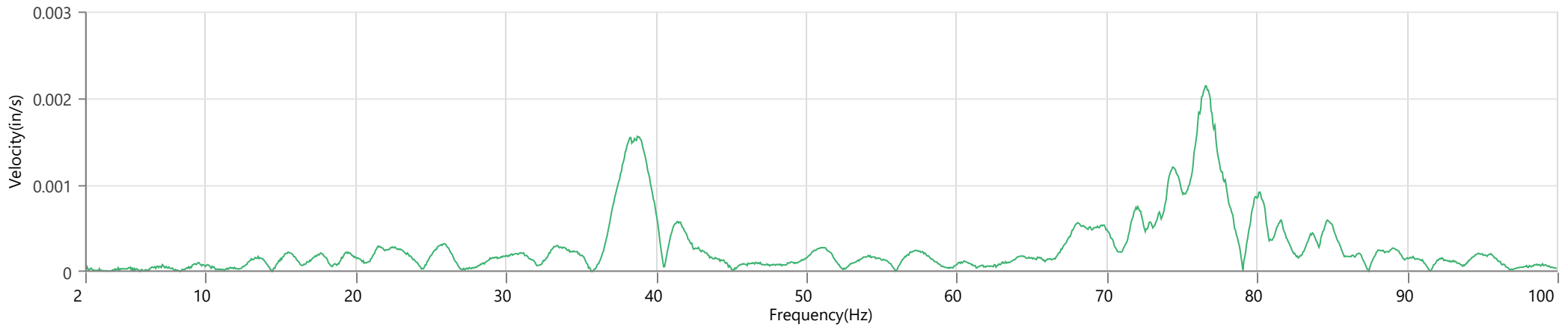
Extended Note N30.49742 W98.21566

Post Event Notes No text to be displayed.

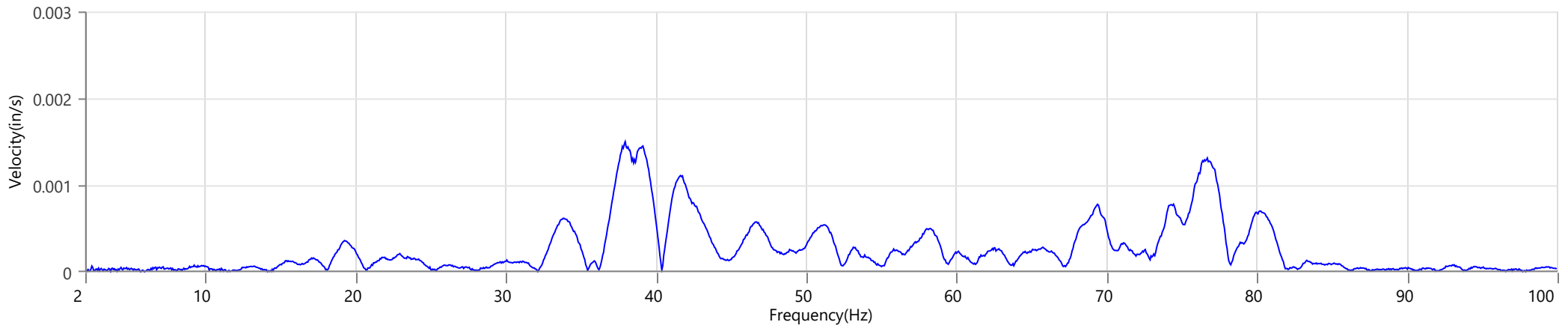
Tran - Dominant Frequency 38.6 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1136 in/s)



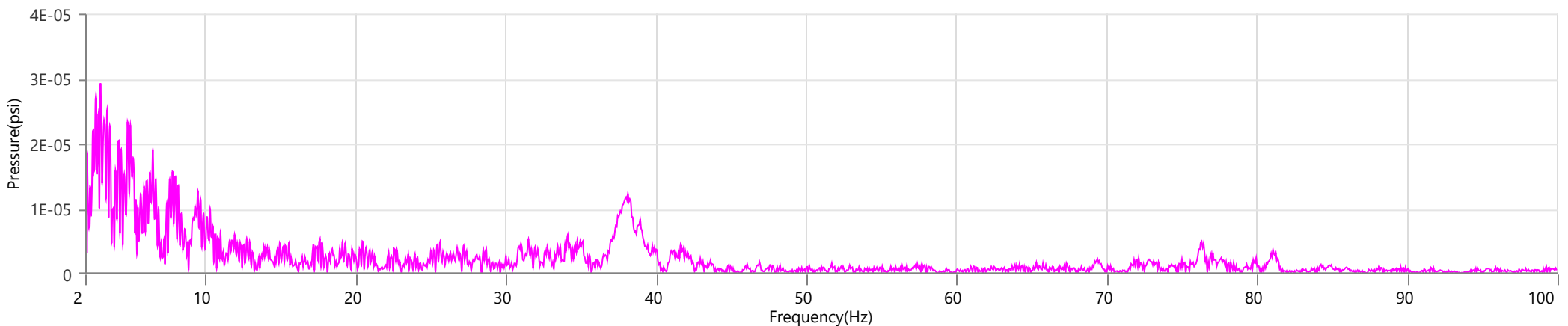
Vert - Dominant Frequency 76.6 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.1108 in/s)



Long - Dominant Frequency 37.9 Hz, Amplitude 0.0015 in/s (Peak Particle Velocity: 0.0903 in/s)



Mic - Dominant Frequency 3.0 Hz, Amplitude 0.00003 psi (Peak Sound Pressure Level: 0.000776 psi)



Waveform Trigger Source
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Trigger Level (Mic)
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Sample Rate
Setup File Name
Operator

Vert at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 4.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM7490
 Micromate ISEE 10.90GC
 3.8 volts
 February 23, 2023 by Instantel
 UM7490_20240212114512.IDFW
 Disabled

Notes

Location Station 4
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.49821 W98.21578

Post Event Notes No text to be displayed.

Geophone

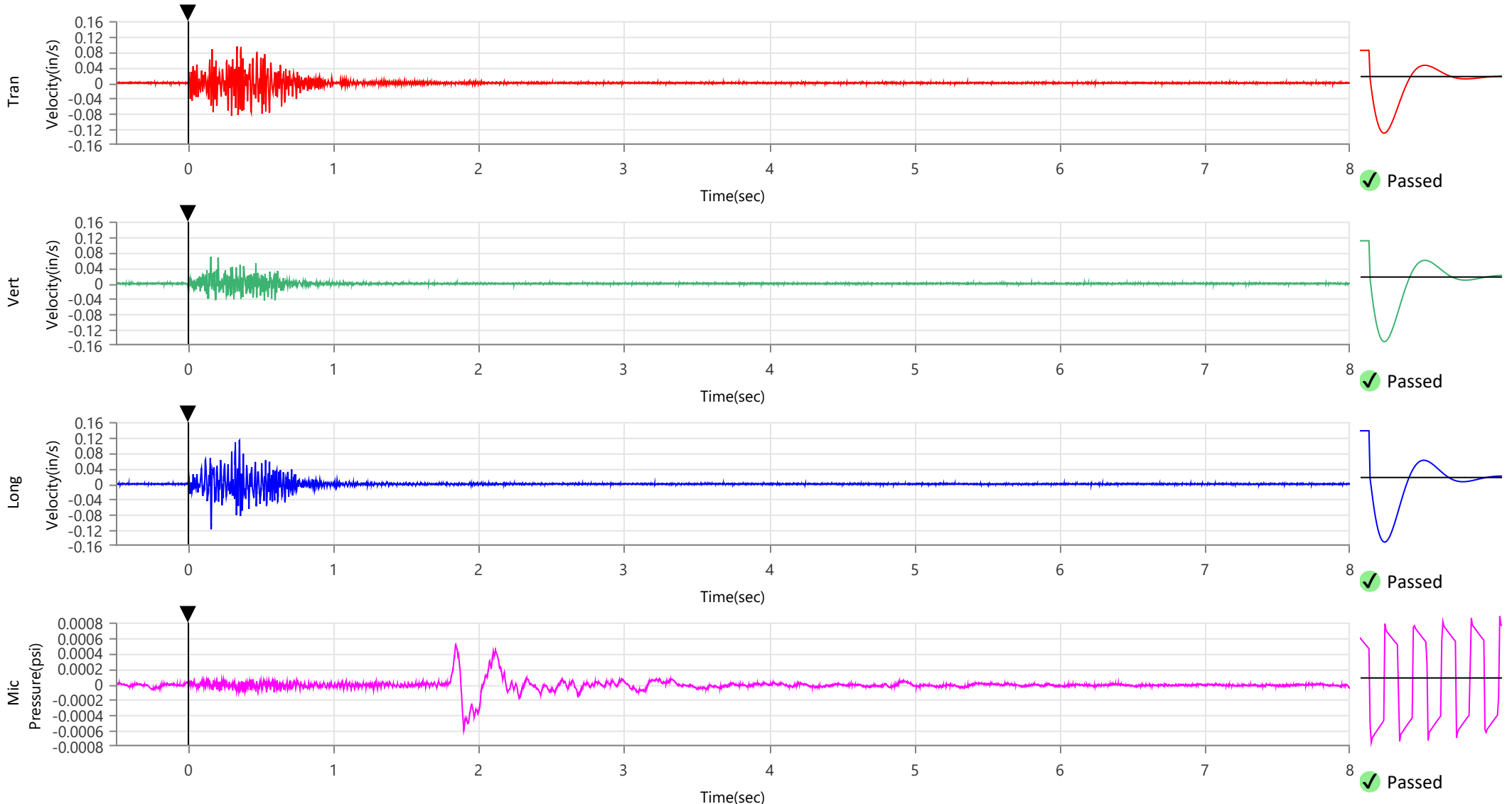
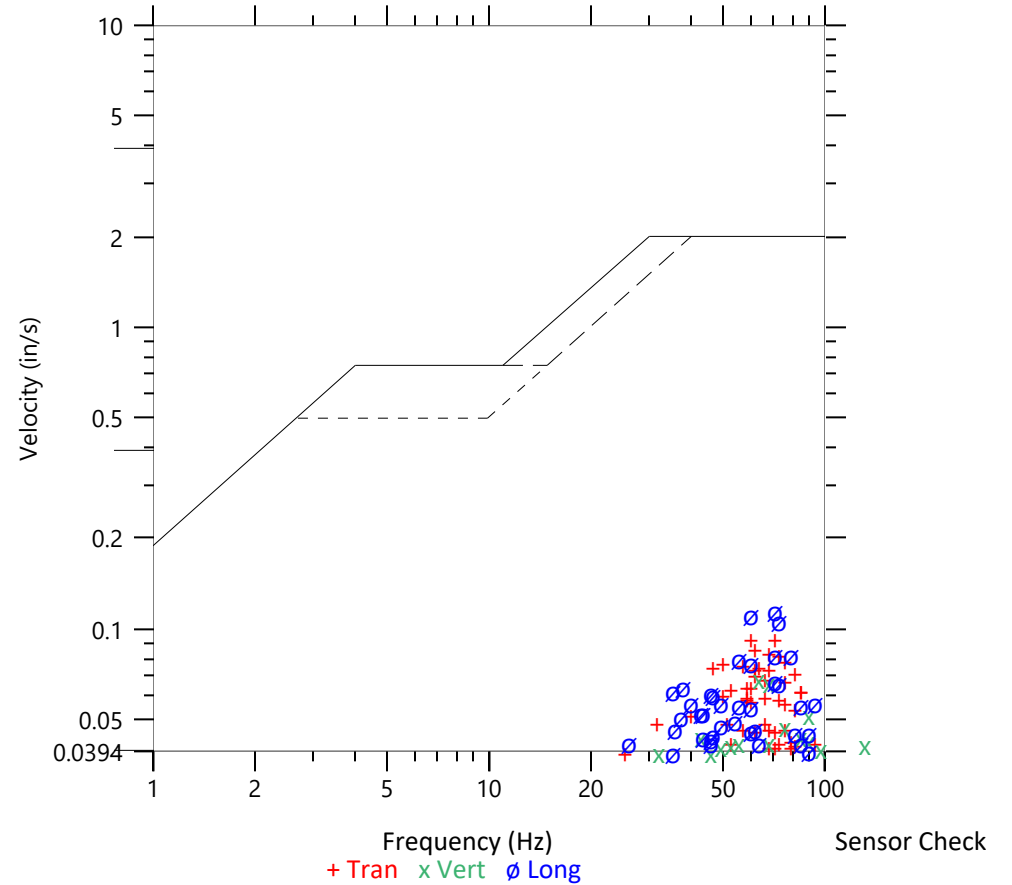
	Tran	Vert	Long
Peak Particle Velocity	0.0943 in/s	0.0692 in/s	0.1170 in/s
Zero Crossing Frequency	60.2 Hz	64.0 Hz	70.6 Hz
Time (Relative to Trigger)	0.335 sec	0.154 sec	0.157 sec
Peak Acceleration	0.109 g	0.095 g	0.138 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	5.0	3.8	3.7

Peak Vector Sum 0.1388 in/s at 0.156 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000596 psi
 Peak Sound Pressure Level 106.3 dB(L)
 Time (Relative to Trigger) 1.897 sec
 Zero Crossing Frequency 3.3 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1596 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 4.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM7490
 Micromate ISEE 10.90GC
 3.8 volts
 February 23, 2023 by Instantel
 UM7490_20240212114512.IDFW
 Disabled

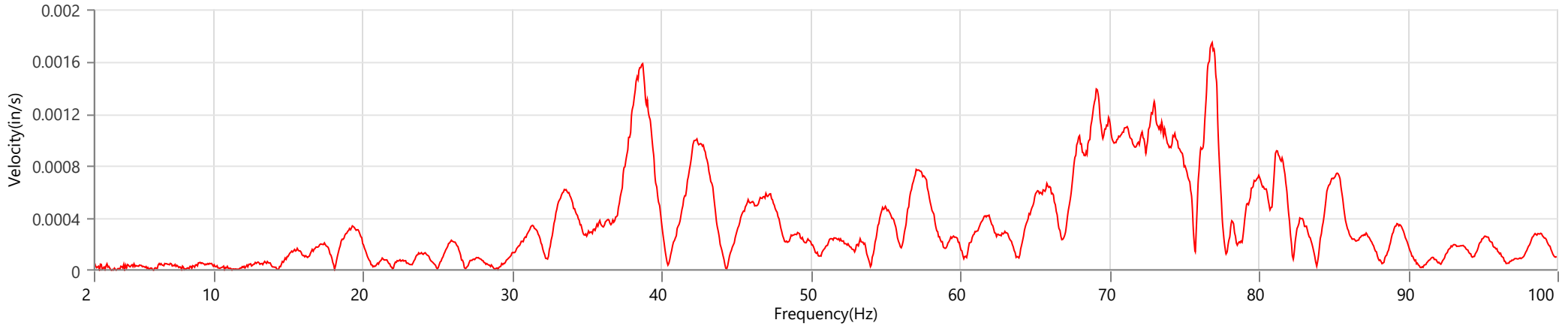
Notes

Location Station 4
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

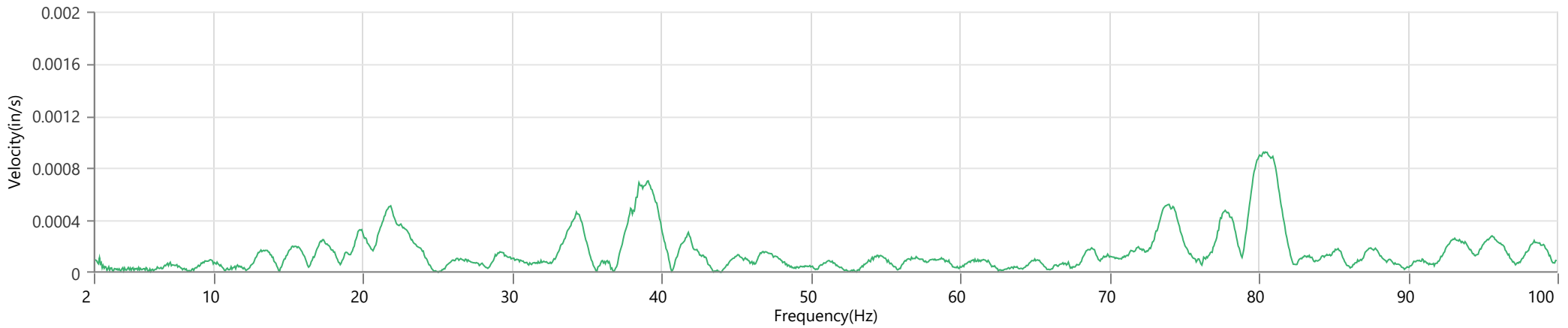
Extended Note N30.49821 W98.21578

Post Event Notes No text to be displayed.

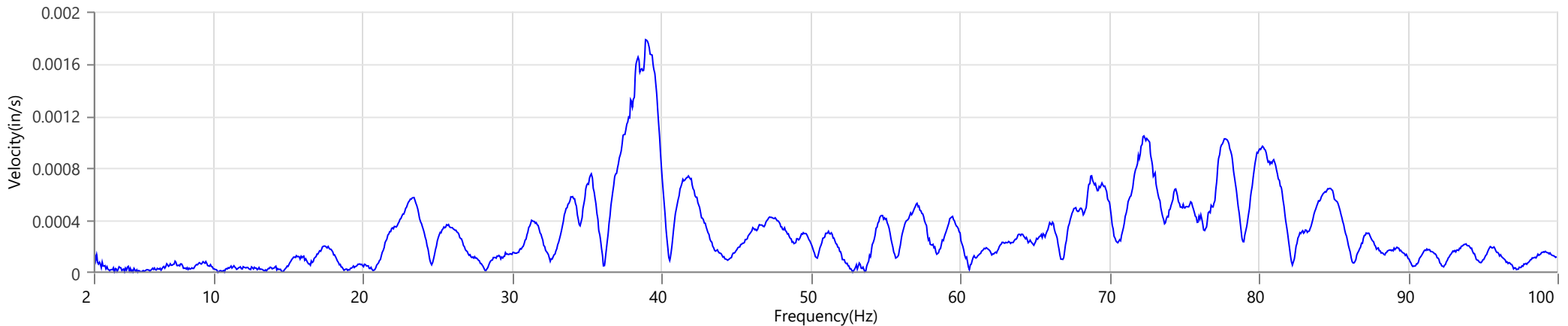
Tran - Dominant Frequency 76.9 Hz, Amplitude 0.0017 in/s (Peak Particle Velocity: 0.0943 in/s)



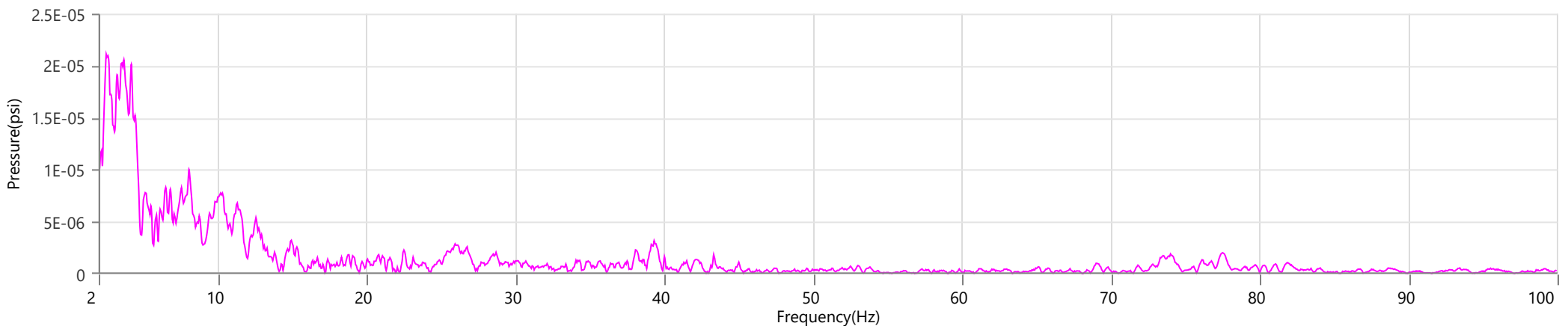
Vert - Dominant Frequency 80.4 Hz, Amplitude 0.0009 in/s (Peak Particle Velocity: 0.0692 in/s)



Long - Dominant Frequency 38.9 Hz, Amplitude 0.0018 in/s (Peak Particle Velocity: 0.1170 in/s)



Mic - Dominant Frequency 2.5 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.000596 psi)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
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Sample Rate
Setup File Name
Operator

Vert at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 5.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM7409
 Micromate ISEE 10.90GC
 3.8 volts
 June 27, 2023 by Instantel
 UM7409_20240212114512.IDFW
 Disabled

Notes

Location Station 5
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.49911 W98.21538

Post Event Notes No text to be displayed.

Geophone

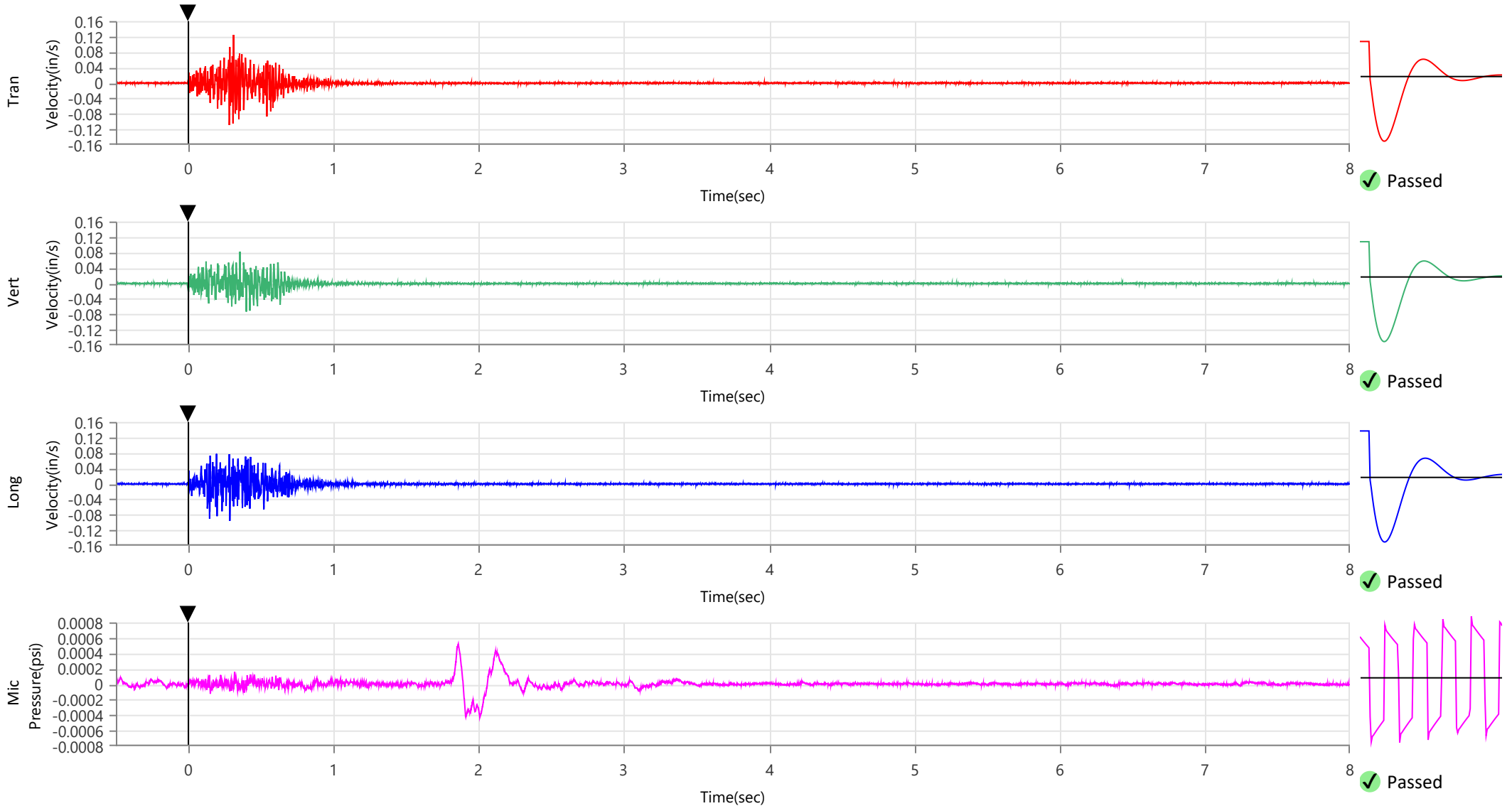
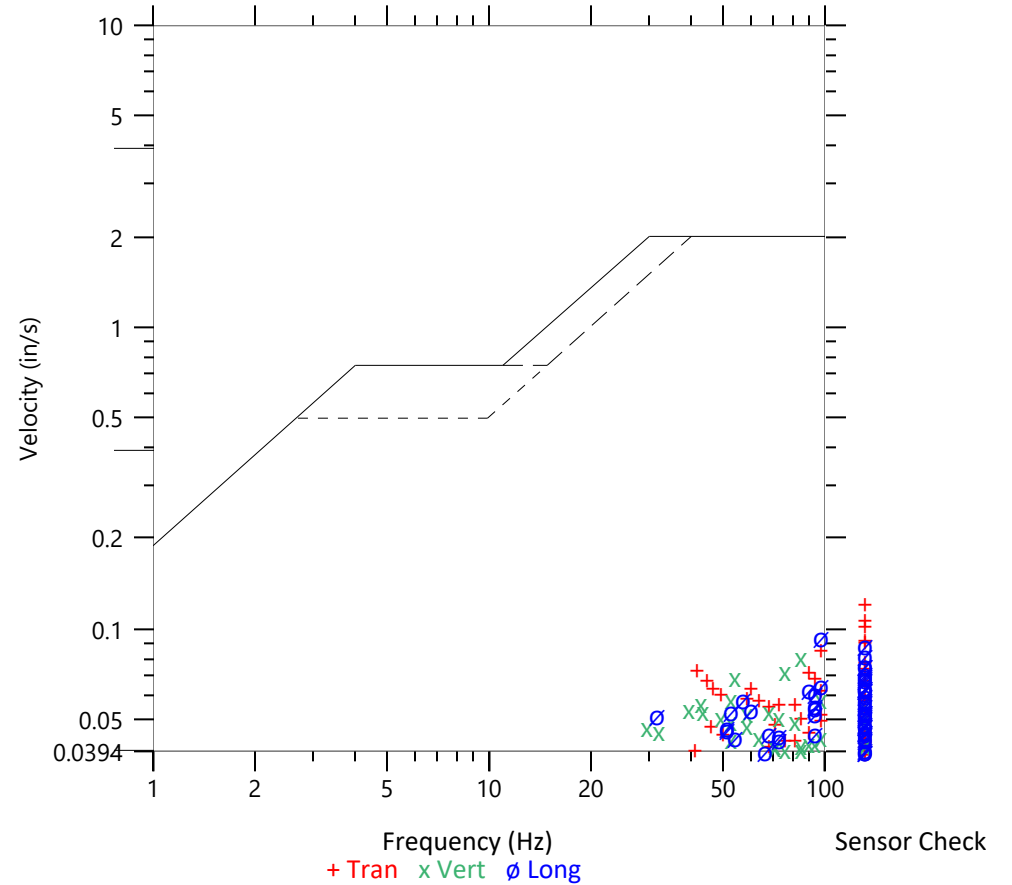
	Tran	Vert	Long
Peak Particle Velocity	0.1244 in/s	0.0822 in/s	0.0959 in/s
Zero Crossing Frequency	>100 Hz	85.3 Hz	97.5 Hz
Time (Relative to Trigger)	0.311 sec	0.355 sec	0.286 sec
Peak Acceleration	0.224 g	0.128 g	0.184 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	3.7	4.0	3.3

Peak Vector Sum 0.1401 in/s at 0.311 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000520 psi
 Peak Sound Pressure Level 105.1 dB(L)
 Time (Relative to Trigger) 1.859 sec
 Zero Crossing Frequency 3.9 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1540 mv

USBM R18507 And OSMRE
Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 5.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM7409
 Micromate ISEE 10.90GC
 3.8 volts
 June 27, 2023 by Instantel
 UM7409_20240212114512.IDFW
 Disabled

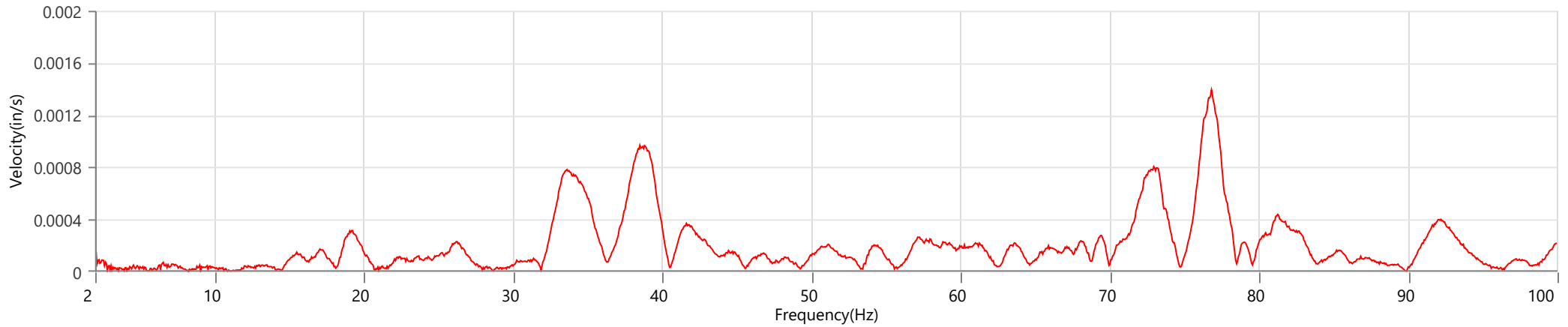
Notes

Location Station 5
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

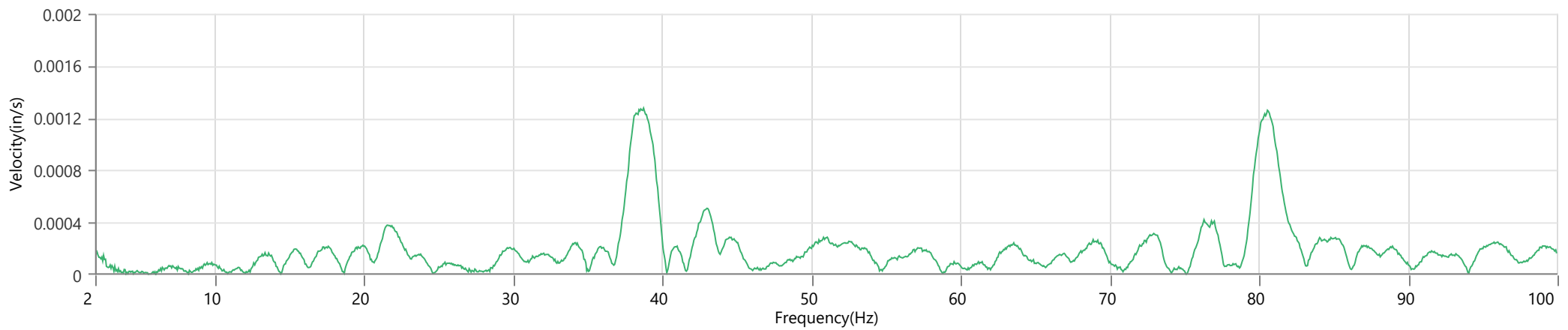
Extended Note N30.49911 W98.21538

Post Event Notes No text to be displayed.

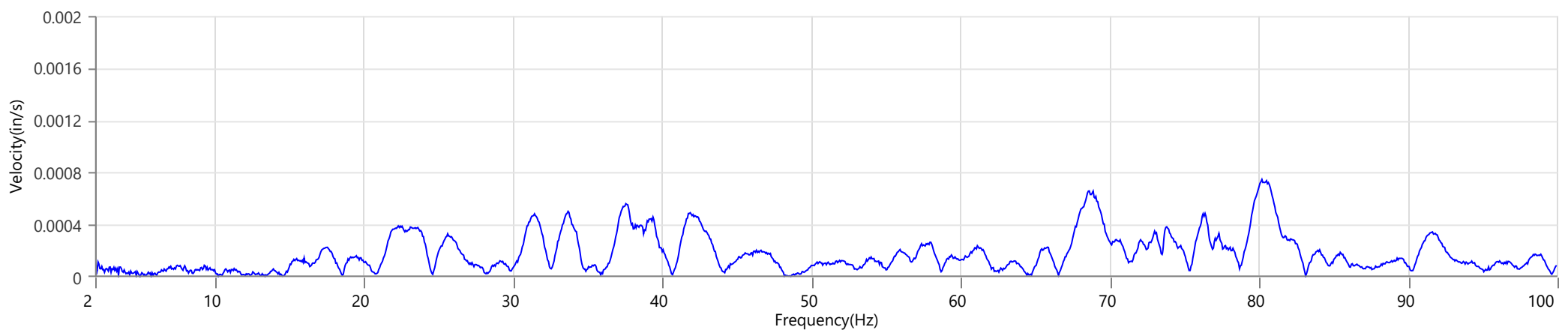
Tran - Dominant Frequency 76.8 Hz, Amplitude 0.0014 in/s (Peak Particle Velocity: 0.1244 in/s)



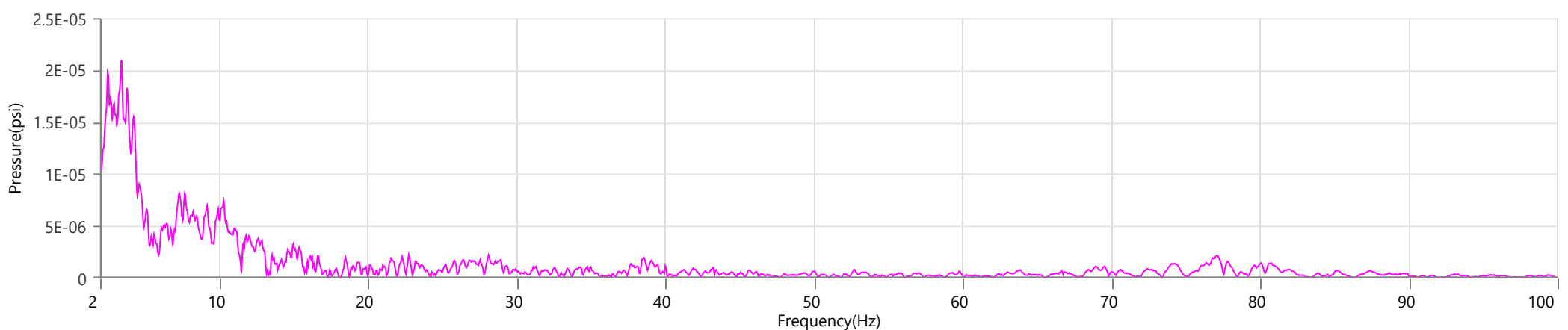
Vert - Dominant Frequency 38.8 Hz, Amplitude 0.0013 in/s (Peak Particle Velocity: 0.0822 in/s)



Long - Dominant Frequency 80.2 Hz, Amplitude 0.0007 in/s (Peak Particle Velocity: 0.0959 in/s)



Mic - Dominant Frequency 3.4 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.000520 psi)



Waveform Trigger Source
Trigger Level(s)
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Setup File Name
Operator

Vert at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 6.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM7284
 Micromate ISEE 10.90GC
 3.8 volts
 June 26, 2023 by Instantel
 UM7284_20240212114512.IDFW
 Disabled

Notes

Location Station 6
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

Extended Note N30.495113 W98.206539

Post Event Notes No text to be displayed.

Geophone

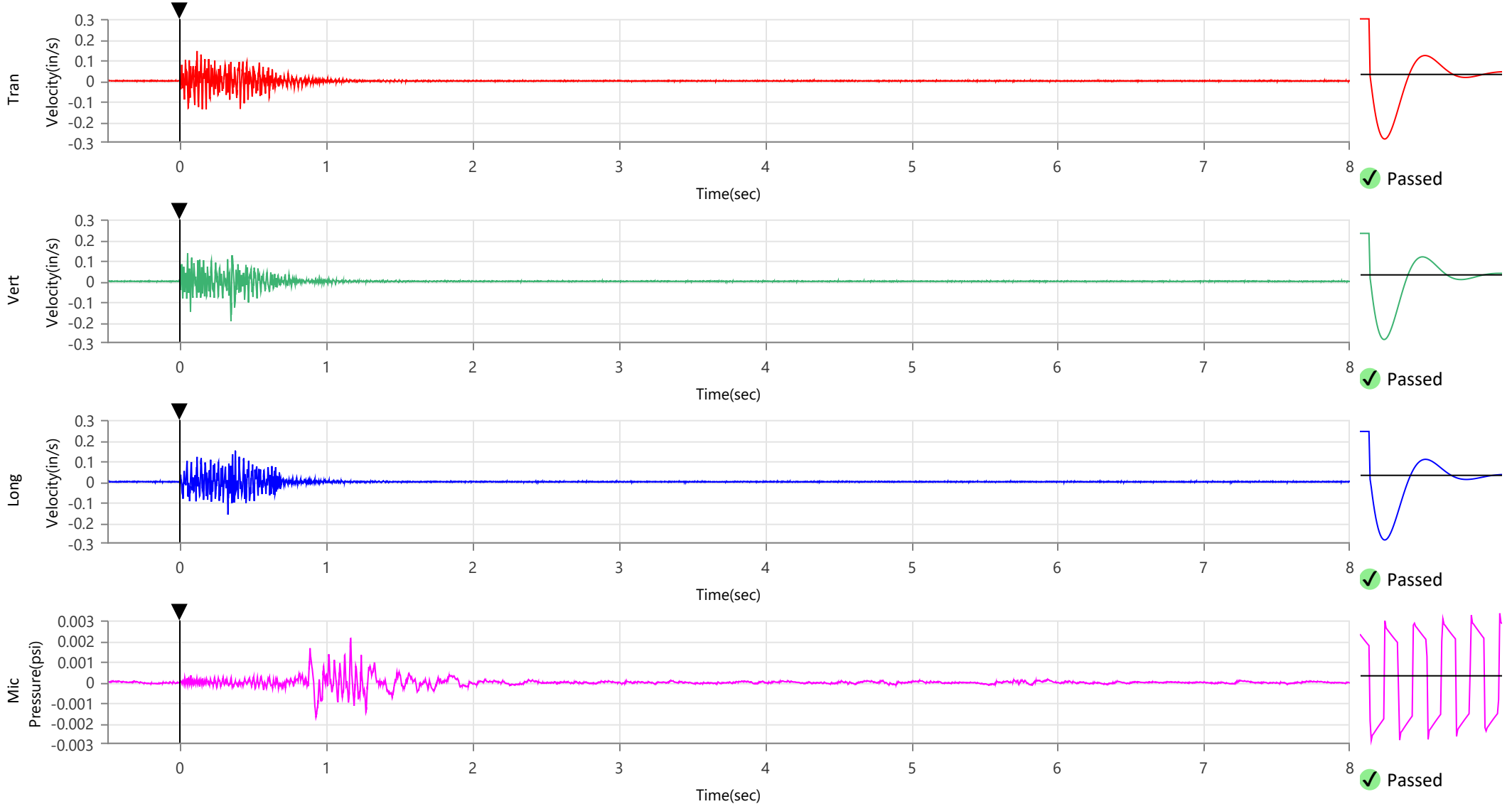
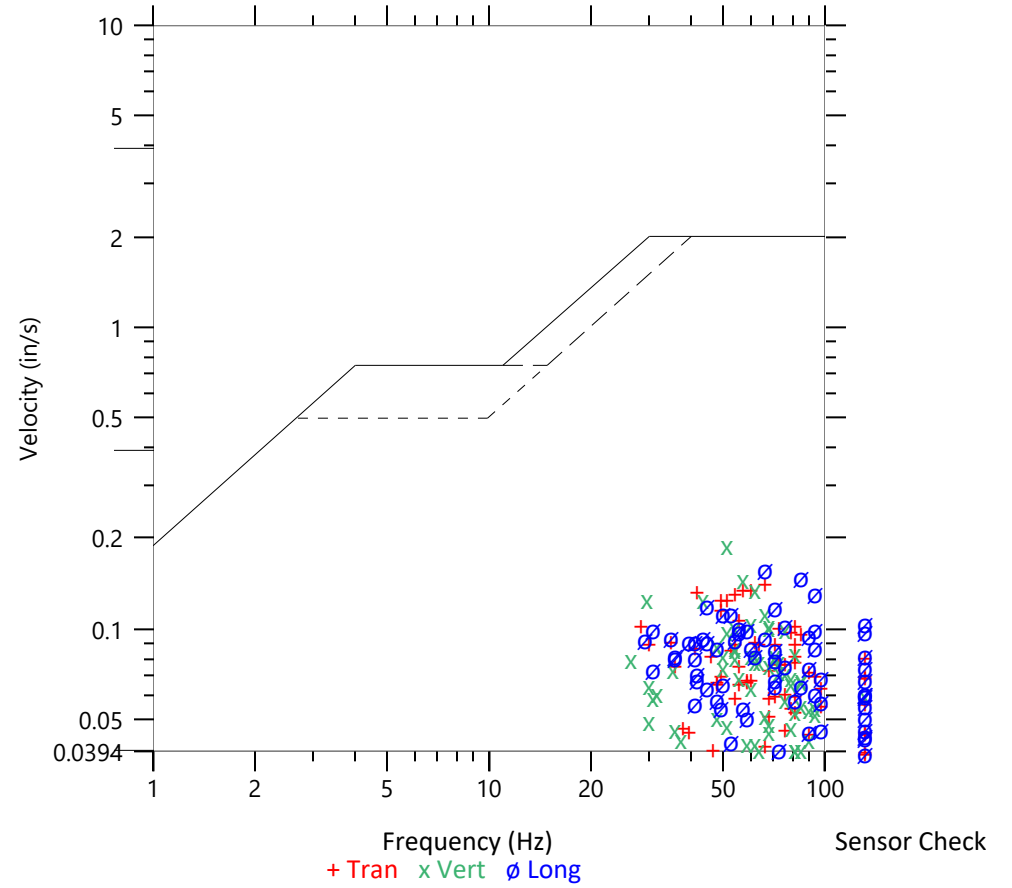
	Tran	Vert	Long
Peak Particle Velocity	0.1443 in/s	0.1939 in/s	0.1592 in/s
Zero Crossing Frequency	66.1 Hz	51.2 Hz	66.1 Hz
Time (Relative to Trigger)	0.115 sec	0.346 sec	0.325 sec
Peak Acceleration	0.158 g	0.188 g	0.217 g
Peak Displacement	0.000 in	0.001 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	3.4	3.5	4.0

Peak Vector Sum 0.2149 in/s at 0.345 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.002124 psi
 Peak Sound Pressure Level 117.3 dB(L)
 Time (Relative to Trigger) 1.165 sec
 Zero Crossing Frequency 30.1 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1577 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at February 12, 2024 11:45:12
 Geo 0.0200 in/s
 Mic 0.01029 psi, 131 dB(L)
 0.50 sec/8.0 sec (Fixed)
 4096 sps
 Spicewood Hwy 71 - Station 6.mmb
 Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM7284
 Micromate ISEE 10.90GC
 3.8 volts
 June 26, 2023 by Instantel
 UM7284_20240212114512.IDFW
 Disabled

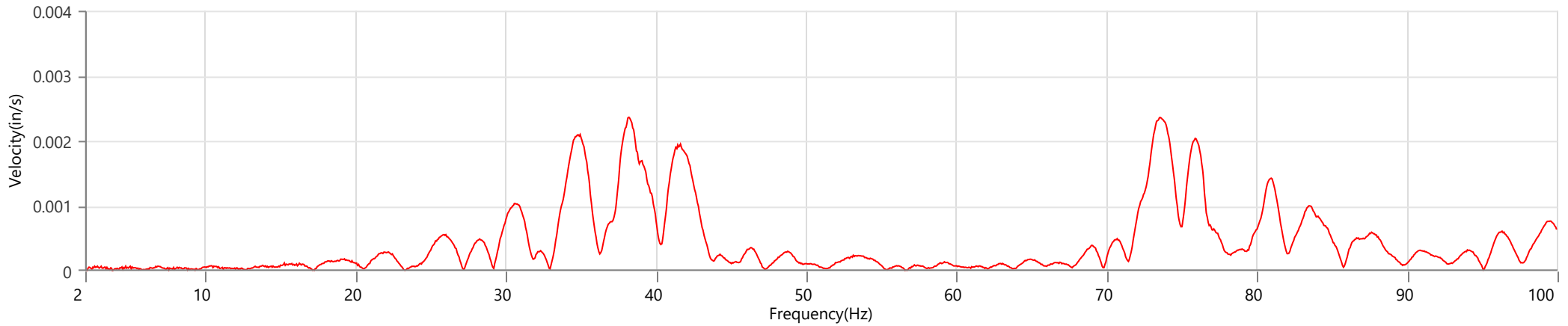
Notes

Location Station 6
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

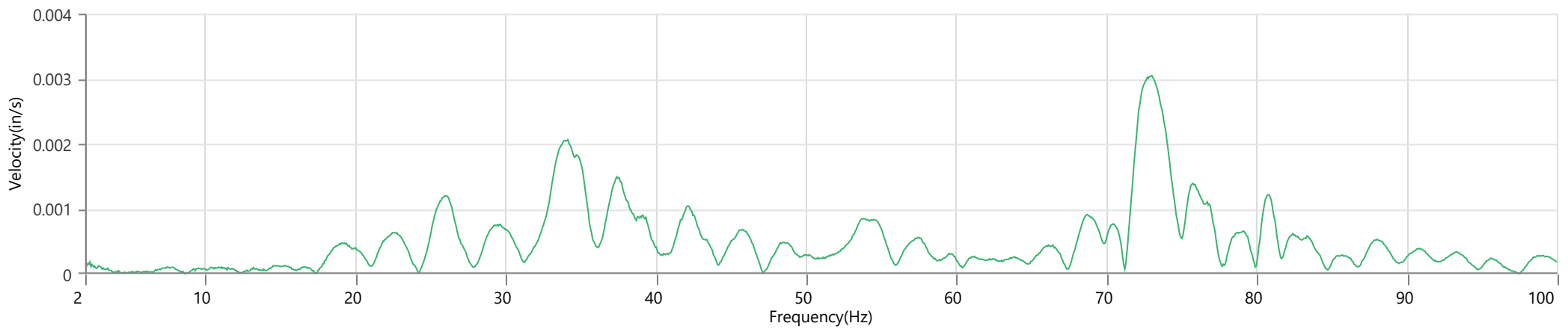
Extended Note N30.495113 W98.206539

Post Event Notes No text to be displayed.

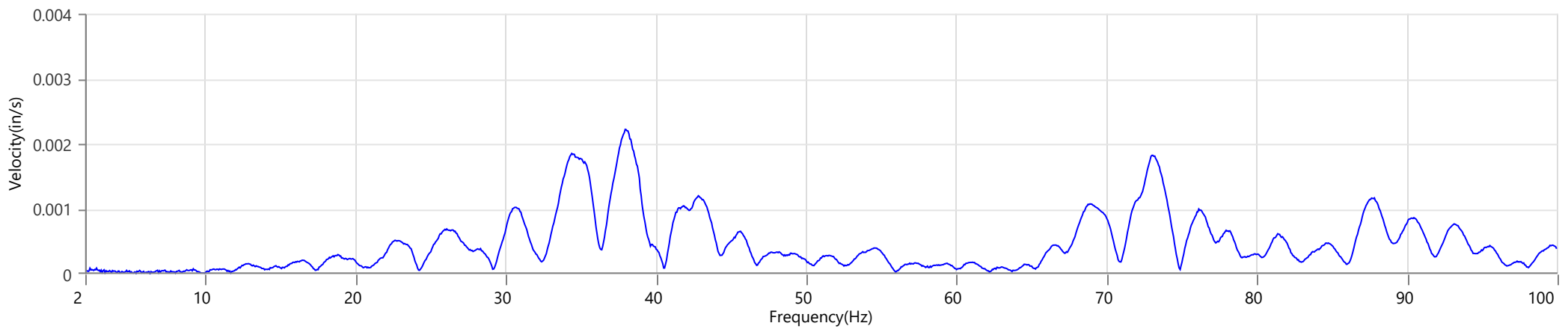
Tran - Dominant Frequency 38.2 Hz, Amplitude 0.0024 in/s (Peak Particle Velocity: 0.1443 in/s)



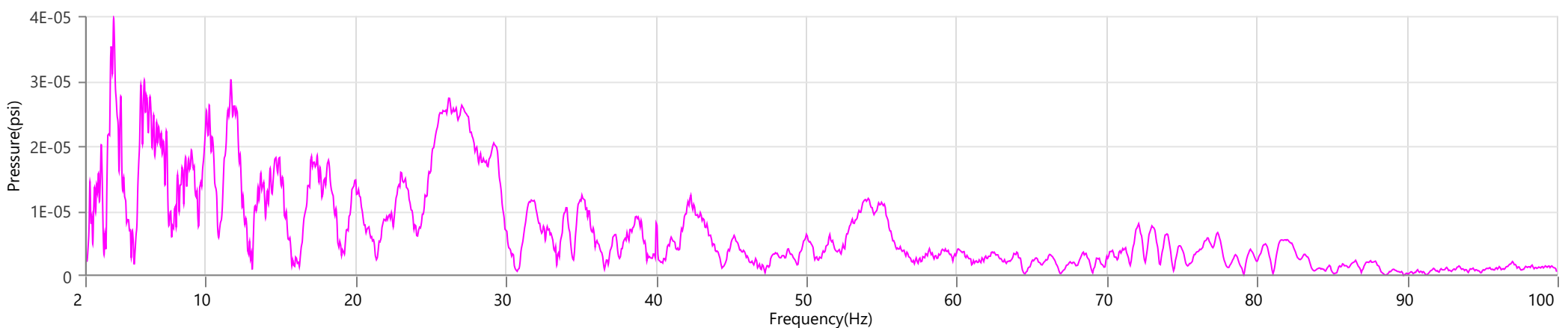
Vert - Dominant Frequency 73.0 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1939 in/s)



Long - Dominant Frequency 37.9 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.1592 in/s)



Mic - Dominant Frequency 3.9 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.002124 psi)



Start February 12, 2024 00:00:05
Finish February 12, 2024 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

Serial Number UM11630
Model Number Micromate ISEE 10.90GC
Battery Level 3.8 volts
Unit Calibration June 19, 2023 by Instantel
Microphone Calibration UA10154, March 2, 2023 by Instantel
Event File Name UM11630_20240212000005.IDFH
USB Sensor Support Disabled

Notes
Location Noise 2
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note Station 5N30.49911 W98.21538

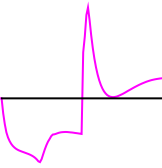
Post Event Notes No text to be displayed.

Sound Level Microphone

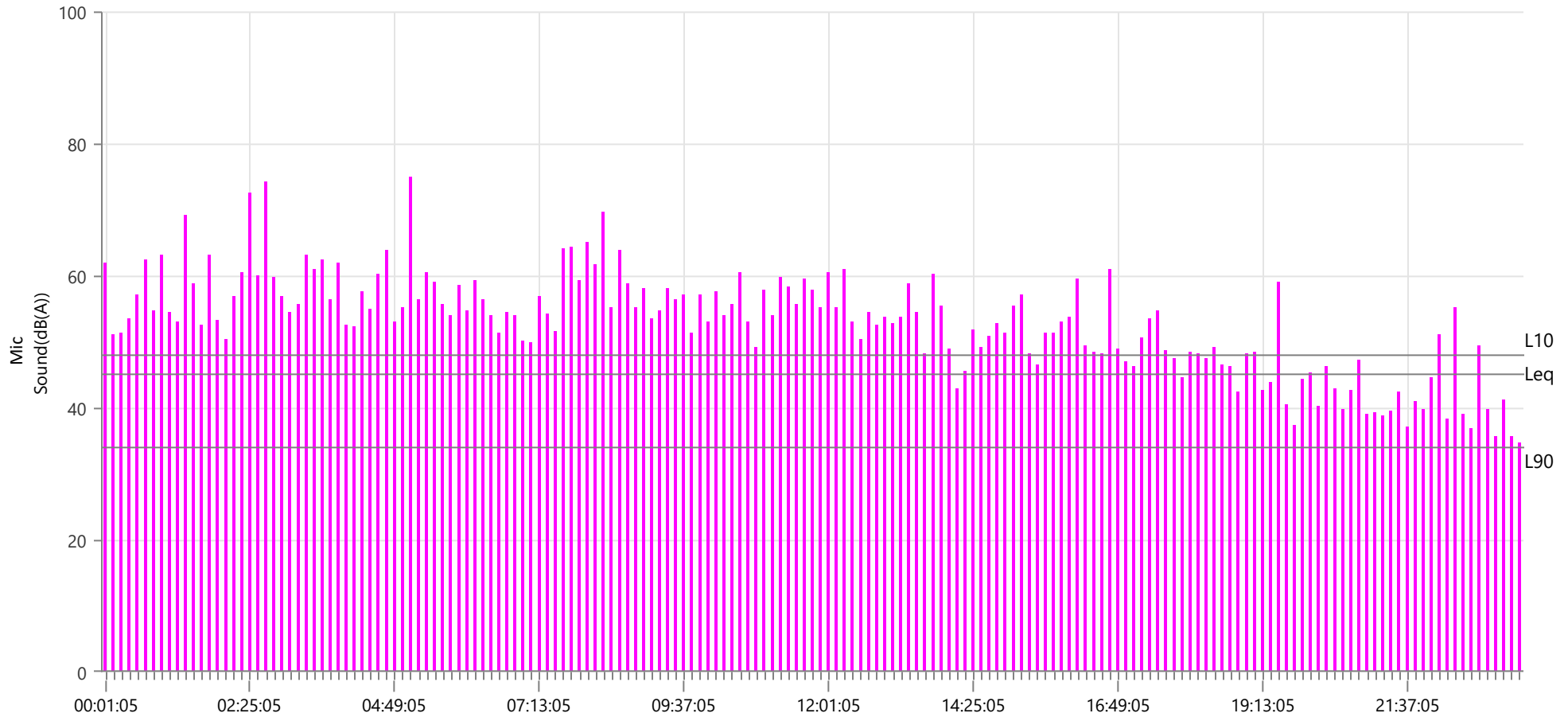
A-Weight Slow
LMax 75.0 dB(A)
Date Feb 12, 2024
Time 05:07:05

	LMin	L10	L90	Leq
Sound(dB(A))	32.6	48	34	45.0
Sensor Check	✓ Passed			
Test Amplitude	1117 mv			

Sensor Check



✓ Passed



Start February 12, 2024 00:00:06
Finish February 12, 2024 23:29:59
Number of Intervals/Interval 1409.88/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 3.mmb
Operator Operator

Serial Number UM11574
Model Number Micromate ISEE 10.90GC
Battery Level 3.8 volts
Unit Calibration June 28, 2023 by Instantel
Microphone Calibration UA10761, July 29, 2022 by Instantel
Event File Name UM11574_20240212000006.IDFH
USB Sensor Support Disabled

Notes
Location Noise 3
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.490958 W98.213495

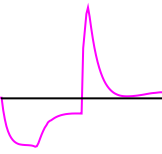
Post Event Notes No text to be displayed.

Sound Level Microphone

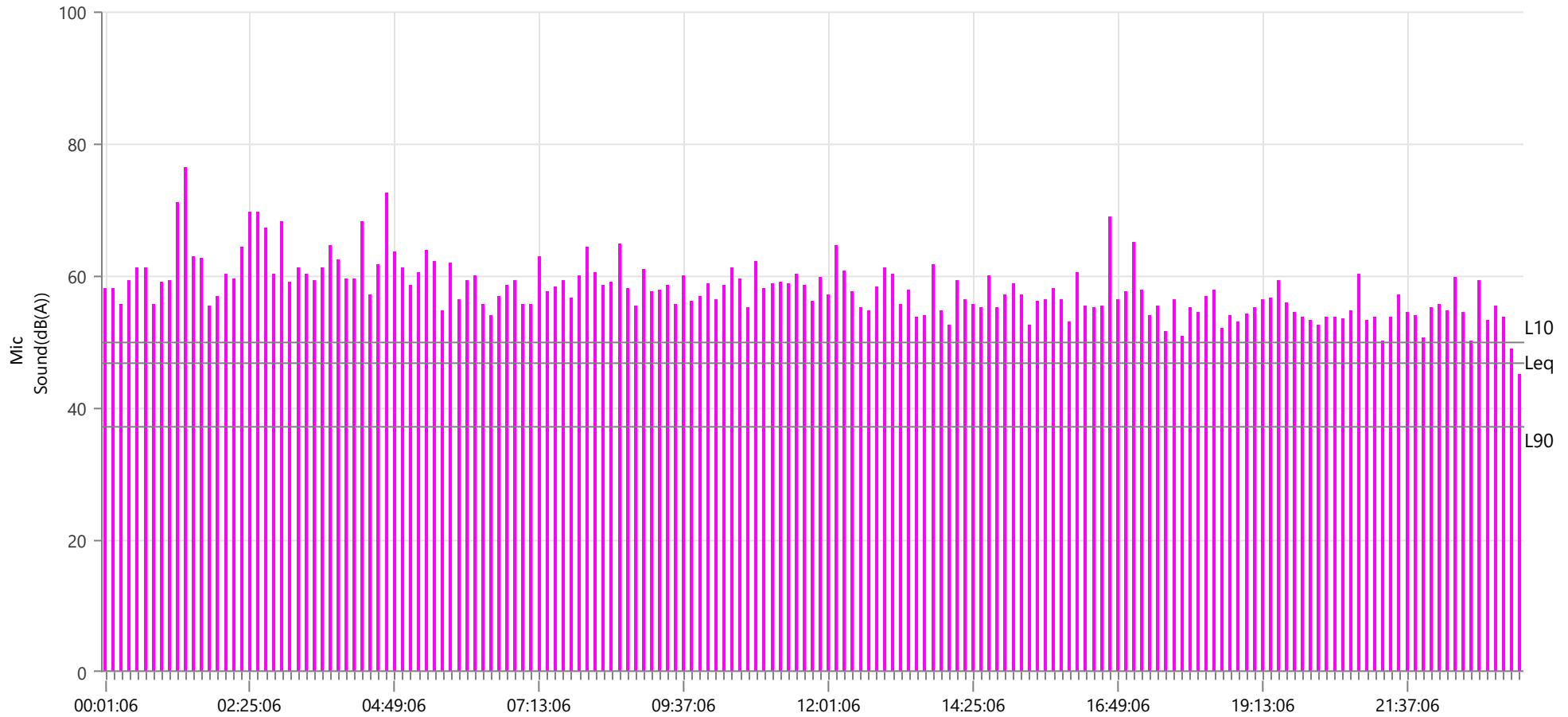
LMax 76.4 dB(A)
Date Feb 12, 2024
Time 01:24:06

	LMin	L10	L90	Leq
Sound(dB(A))	31.2	50	37	46.8
Sensor Check	✓ Passed			
Test Amplitude	1140 mv			

Sensor Check



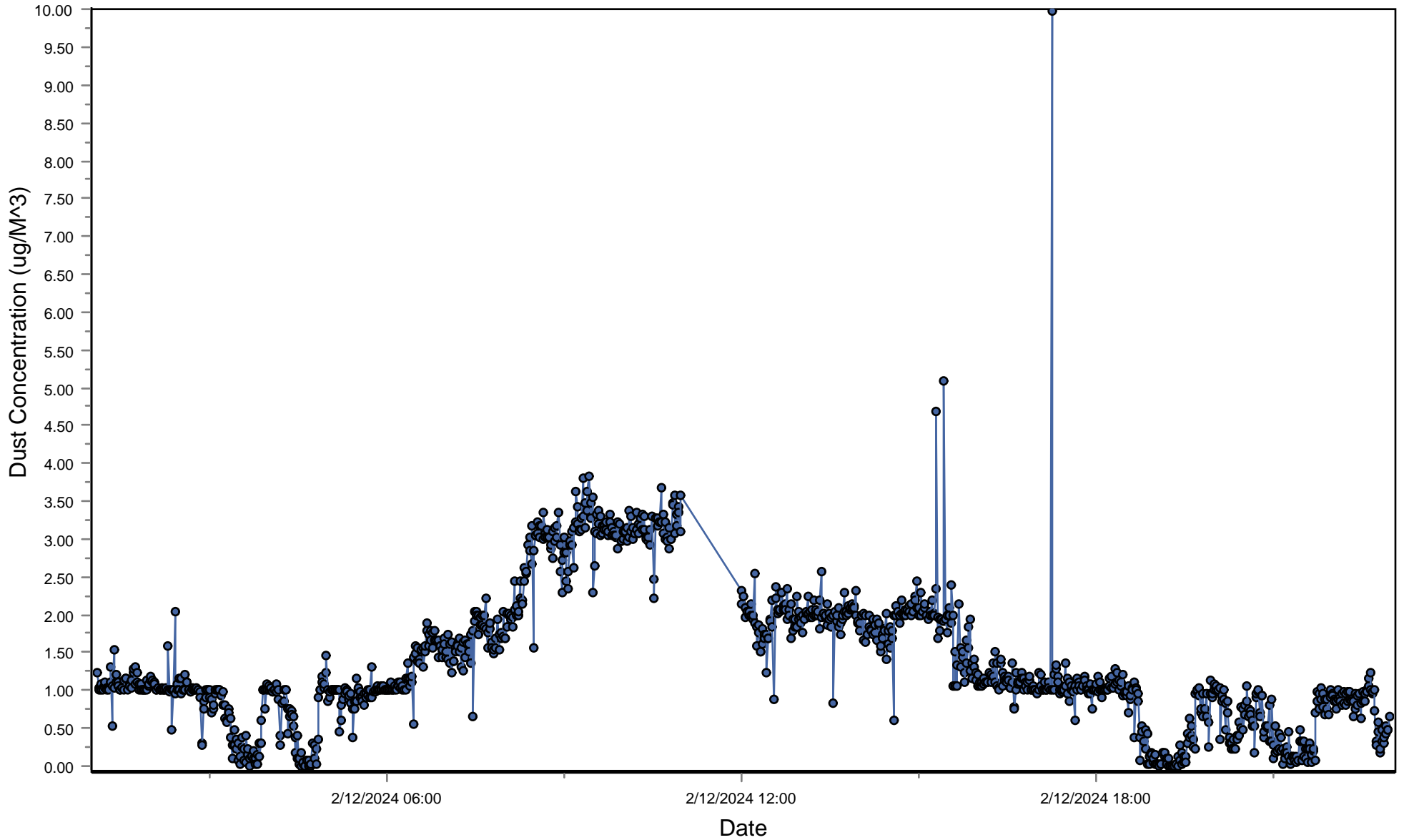
✓ Passed



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor

● D100@AvgPartL



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

● D100@AvgPartL

