

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

Long at June 14, 2024 10:53:51
 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

UM21524
 Micromate ISEE 11.0AK
 3.8 volts
 March 25, 2024 by Instantel
 UM21524_20240614105351.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

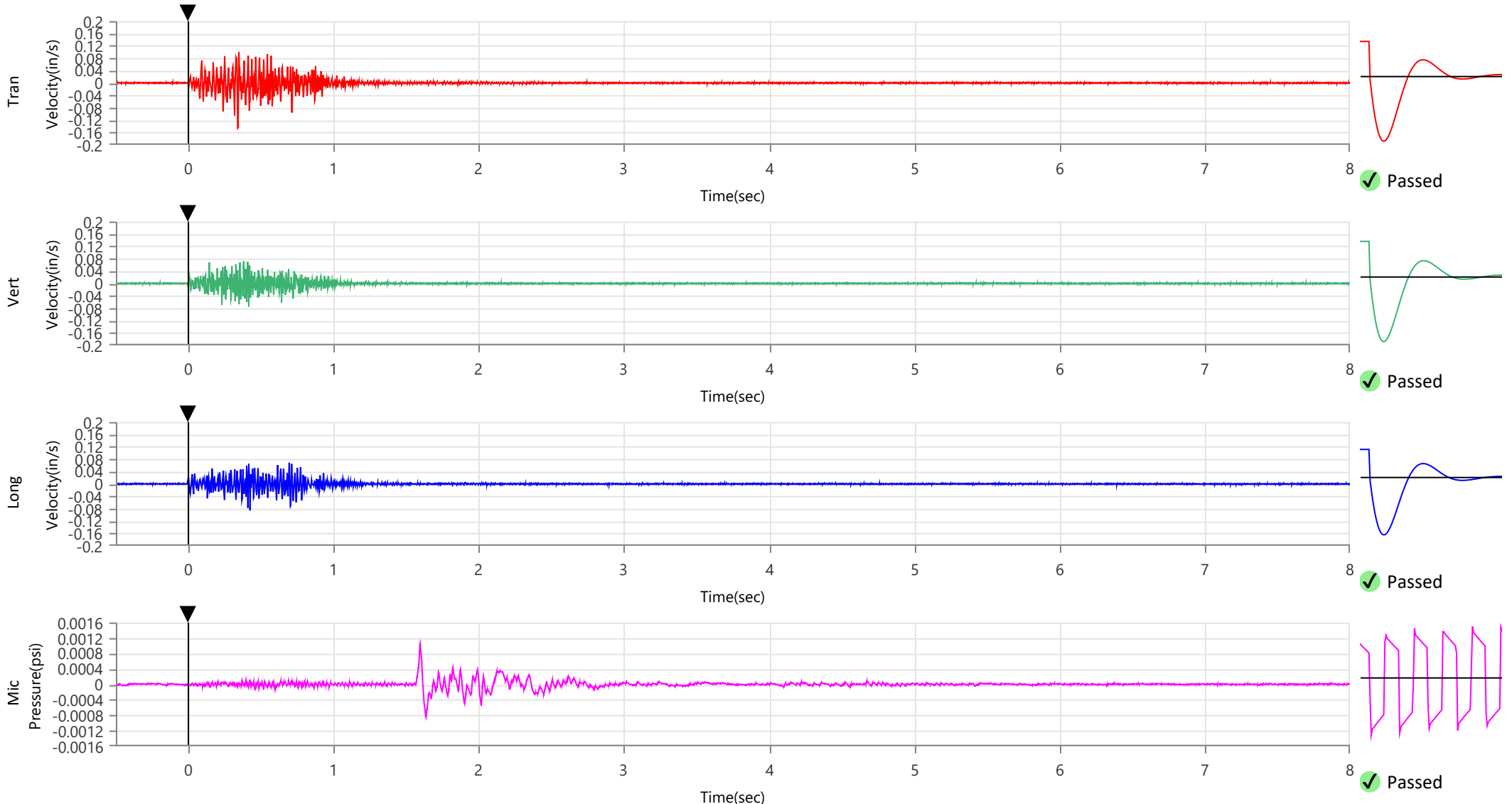
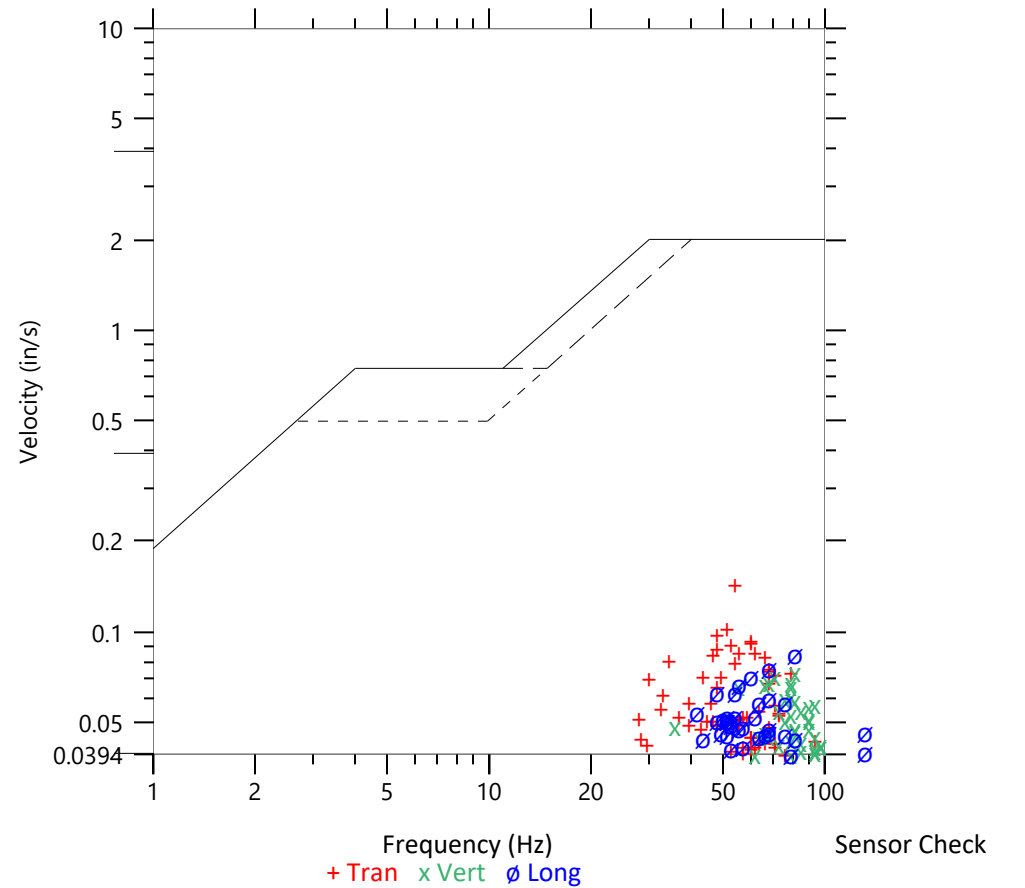
	Tran	Vert	Long
Peak Particle Velocity	0.1458 in/s	0.0751 in/s	0.0860 in/s
Zero Crossing Frequency	53.9 Hz	81.9 Hz	81.9 Hz
Time (Relative to Trigger)	0.340 sec	0.417 sec	0.424 sec
Peak Acceleration	0.138 g	0.118 g	0.112 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	3.8	3.9	4.1

Peak Vector Sum 0.1498 in/s at 0.340 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001046 psi
 Peak Sound Pressure Level 111.1 dB(L)
 Time (Relative to Trigger) 1.596 sec
 Zero Crossing Frequency 10.8 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1288 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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Long at June 14, 2024 10:53:51
 Geo 0.0200 in/s
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Serial Number
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Event File Name
USB Sensor Support

UM21524
 Micromate ISEE 11.0AK
 3.8 volts
 March 25, 2024 by Instantel
 UM21524_20240614105351.IDFW
 Disabled

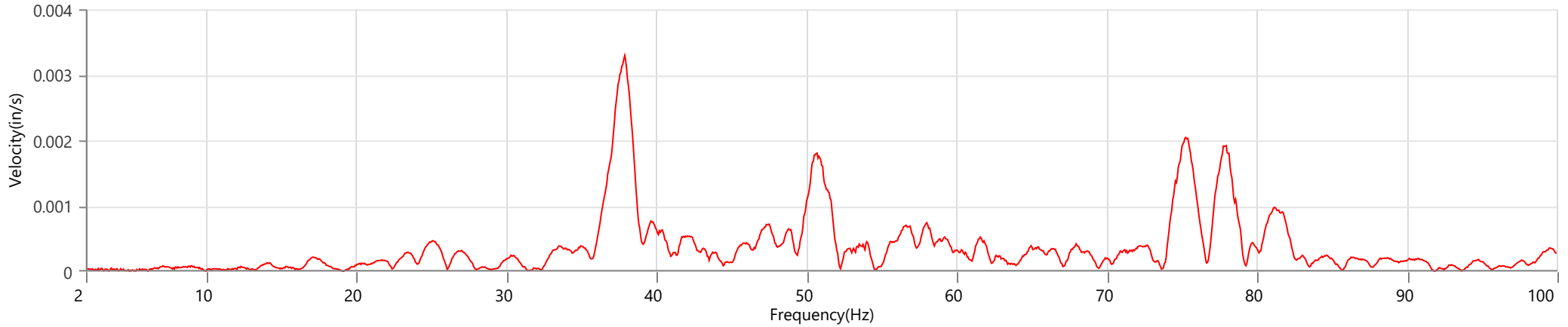
Notes

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

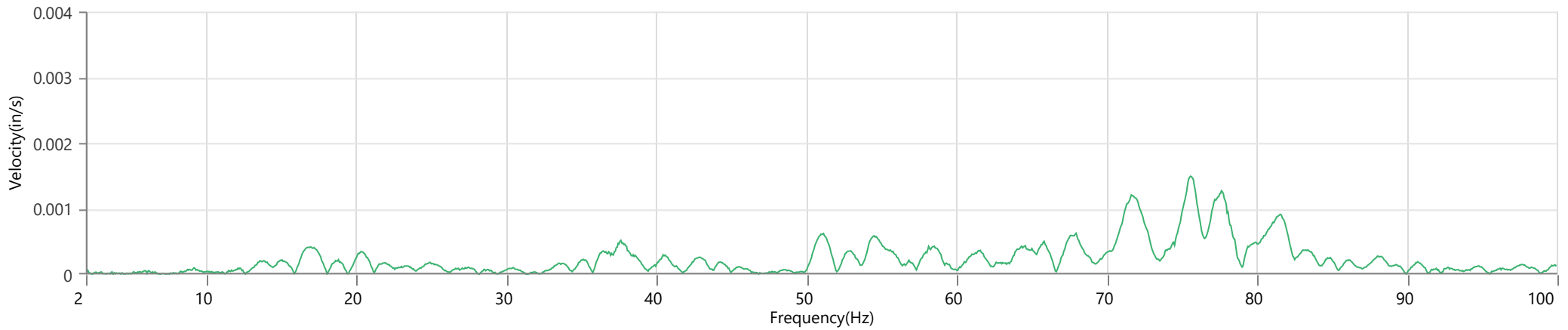
Extended Note N30.49572 W98.21577

Post Event Notes No text to be displayed.

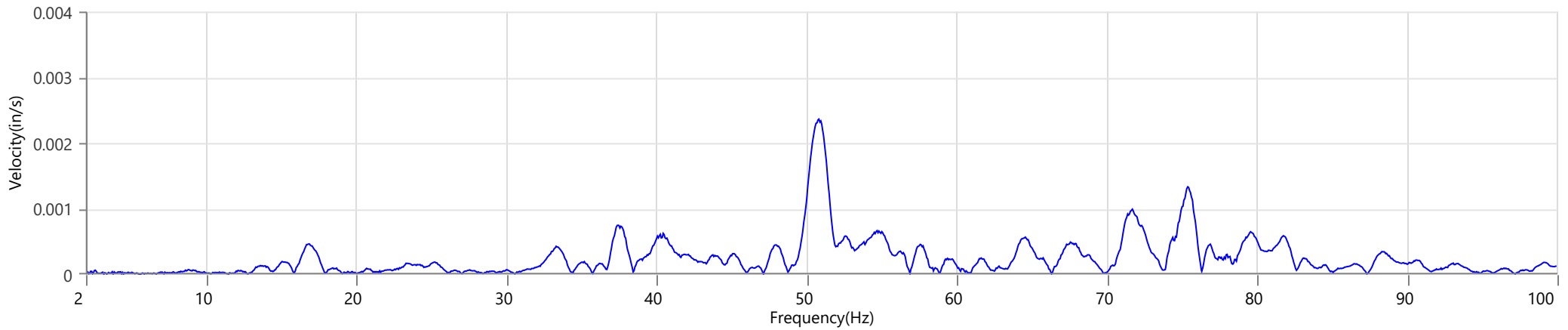
Tran - Dominant Frequency 37.9 Hz, Amplitude 0.0033 in/s (Peak Particle Velocity: 0.1458 in/s)



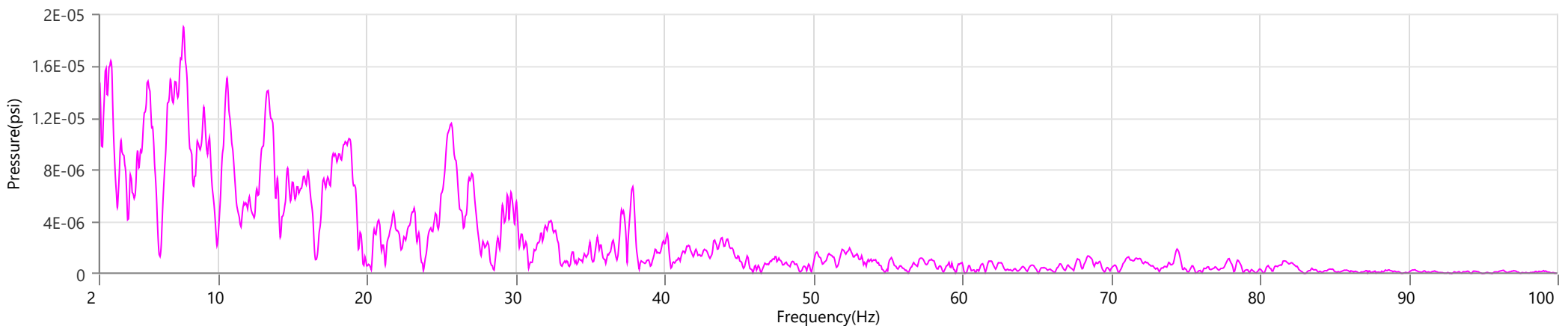
Vert - Dominant Frequency 75.6 Hz, Amplitude 0.0015 in/s (Peak Particle Velocity: 0.0751 in/s)



Long - Dominant Frequency 50.8 Hz, Amplitude 0.0024 in/s (Peak Particle Velocity: 0.0860 in/s)



Mic - Dominant Frequency 7.7 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.001046 psi)



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

Vert at June 14, 2024 10:53:52
 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_20240614105352.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

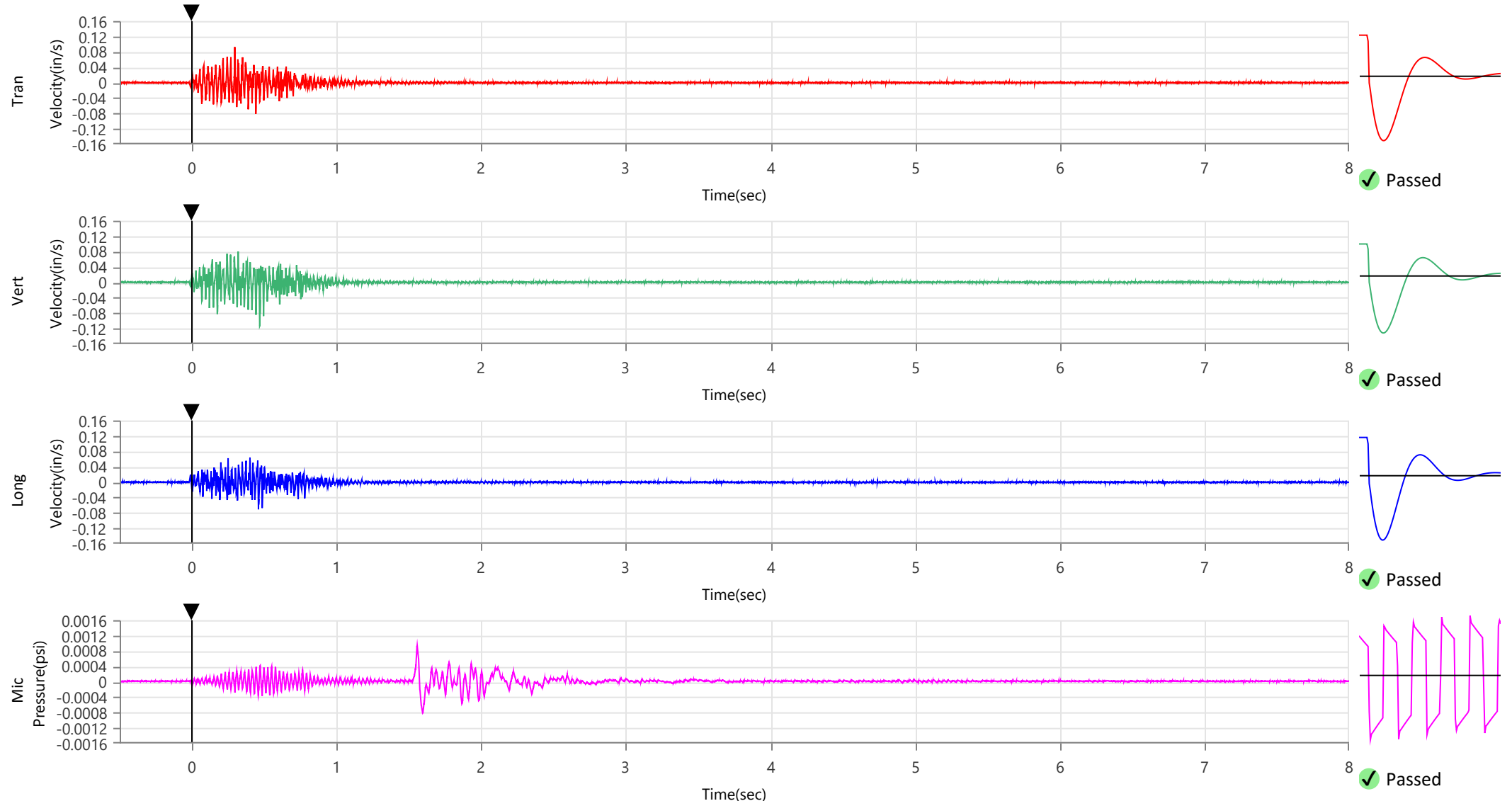
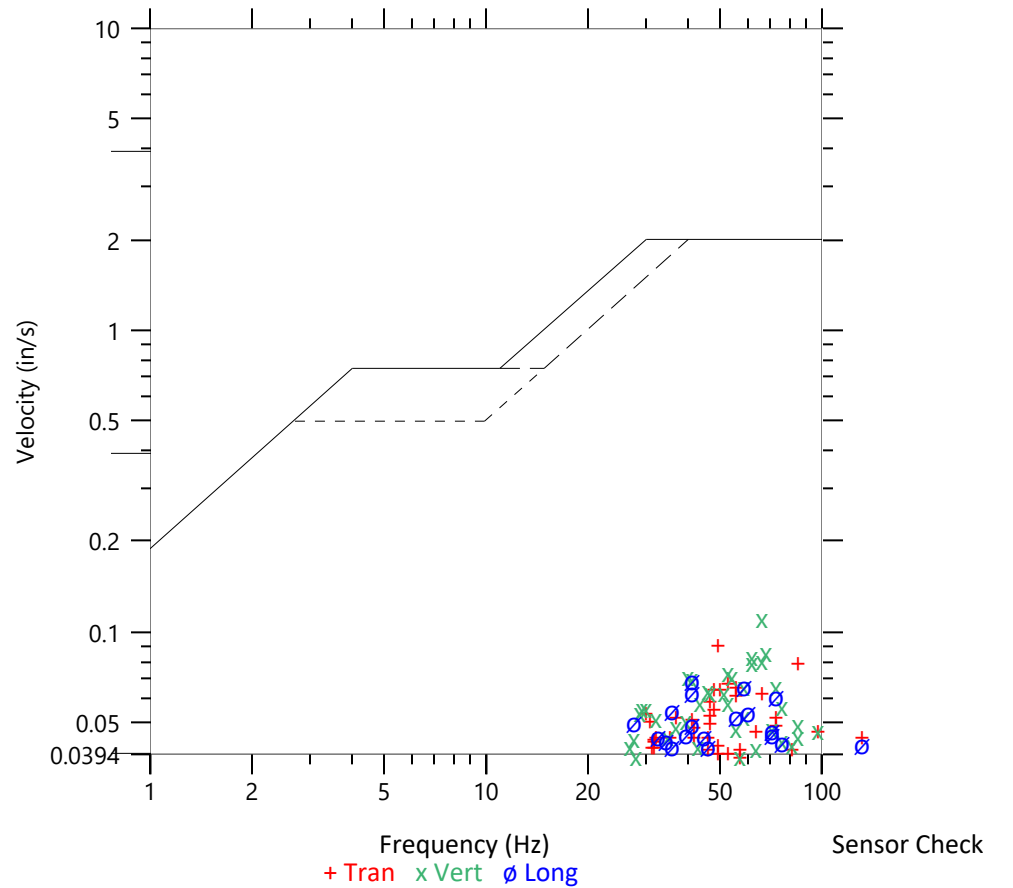
	Tran	Vert	Long
Peak Particle Velocity	0.0925 in/s	0.1133 in/s	0.0708 in/s
Zero Crossing Frequency	48.8 Hz	66.1 Hz	41.0 Hz
Time (Relative to Trigger)	0.297 sec	0.469 sec	0.459 sec
Peak Acceleration	0.125 g	0.115 g	0.115 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.9 Hz
Overswing Ratio	3.4	3.1	3.0

Peak Vector Sum 0.1238 in/s at 0.469 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000943 psi
 Peak Sound Pressure Level 110.2 dB(L)
 Time (Relative to Trigger) 1.558 sec
 Zero Crossing Frequency 10.1 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1279 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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

Vert at June 14, 2024 10:53:52
 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_20240614105352.IDFW
 Disabled

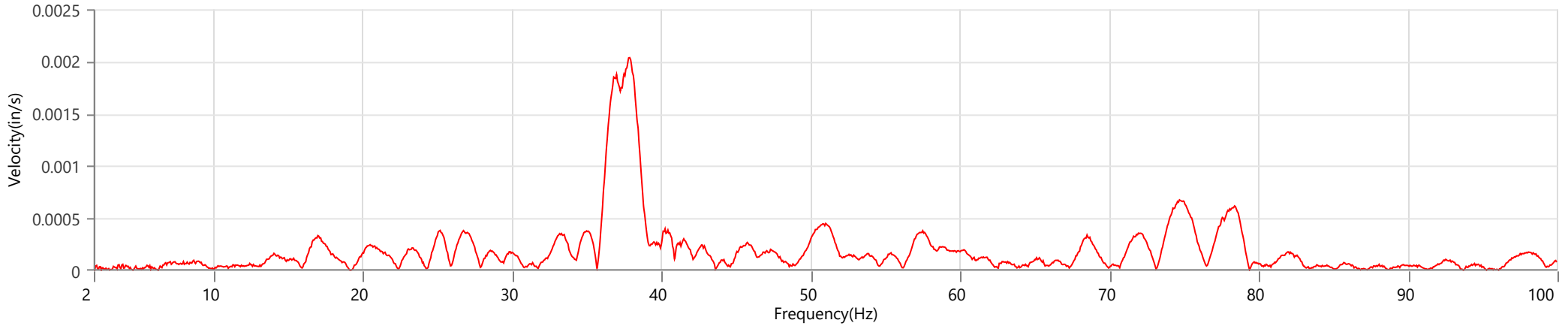
Notes

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

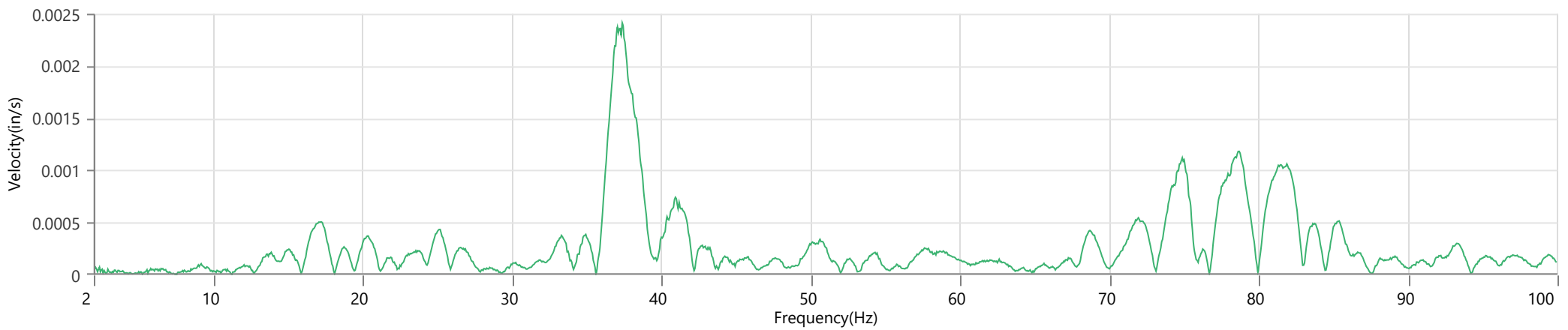
Extended Note N30.49650 W21572

Post Event Notes No text to be displayed.

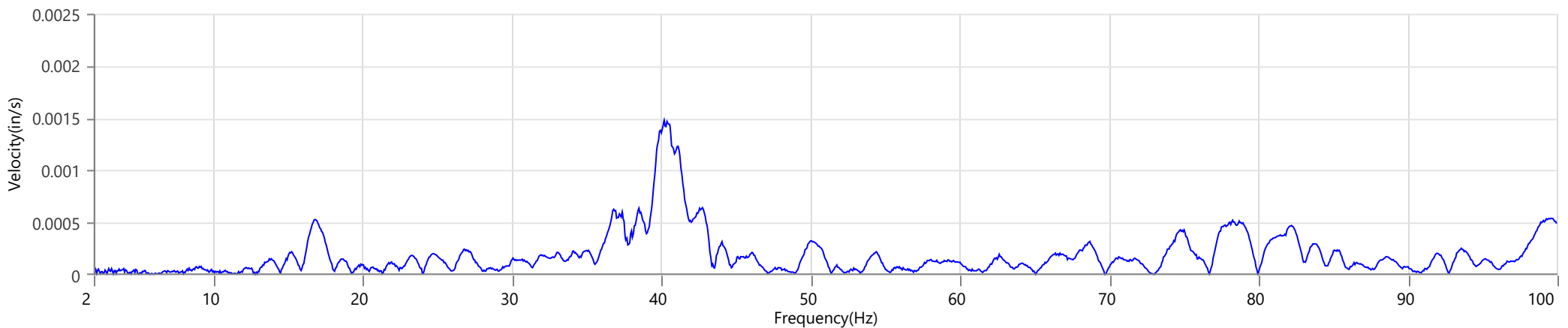
Tran - Dominant Frequency 37.9 Hz, Amplitude 0.0020 in/s (Peak Particle Velocity: 0.0925 in/s)



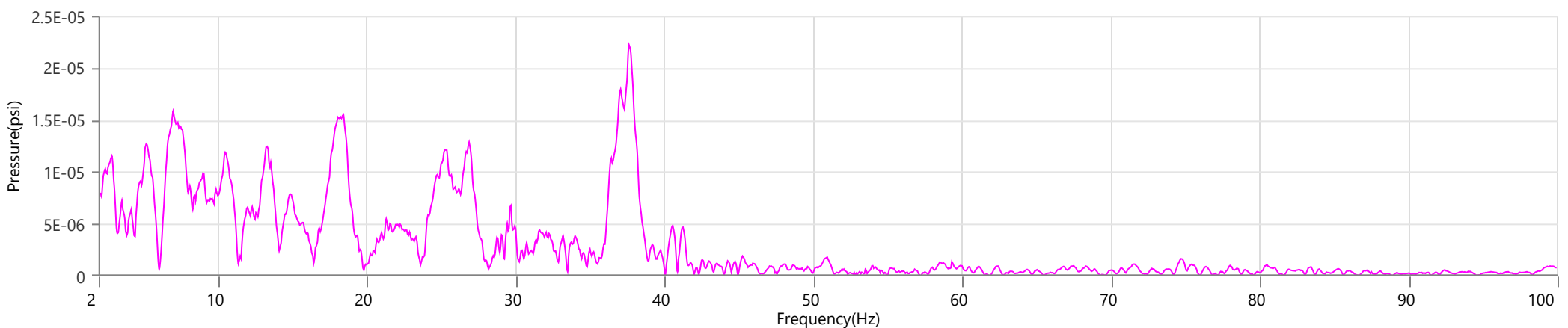
Vert - Dominant Frequency 37.4 Hz, Amplitude 0.0024 in/s (Peak Particle Velocity: 0.1133 in/s)



Long - Dominant Frequency 40.2 Hz, Amplitude 0.0015 in/s (Peak Particle Velocity: 0.0708 in/s)



Mic - Dominant Frequency 37.6 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.000943 psi)



Waveform Trigger Source
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Operator

Long at June 14, 2024 10:53:51
 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

UM18138
 Micromate ISEE 11.0AK
 3.8 volts
 March 25, 2024 by Instantel
 UM18138_20240614105351.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

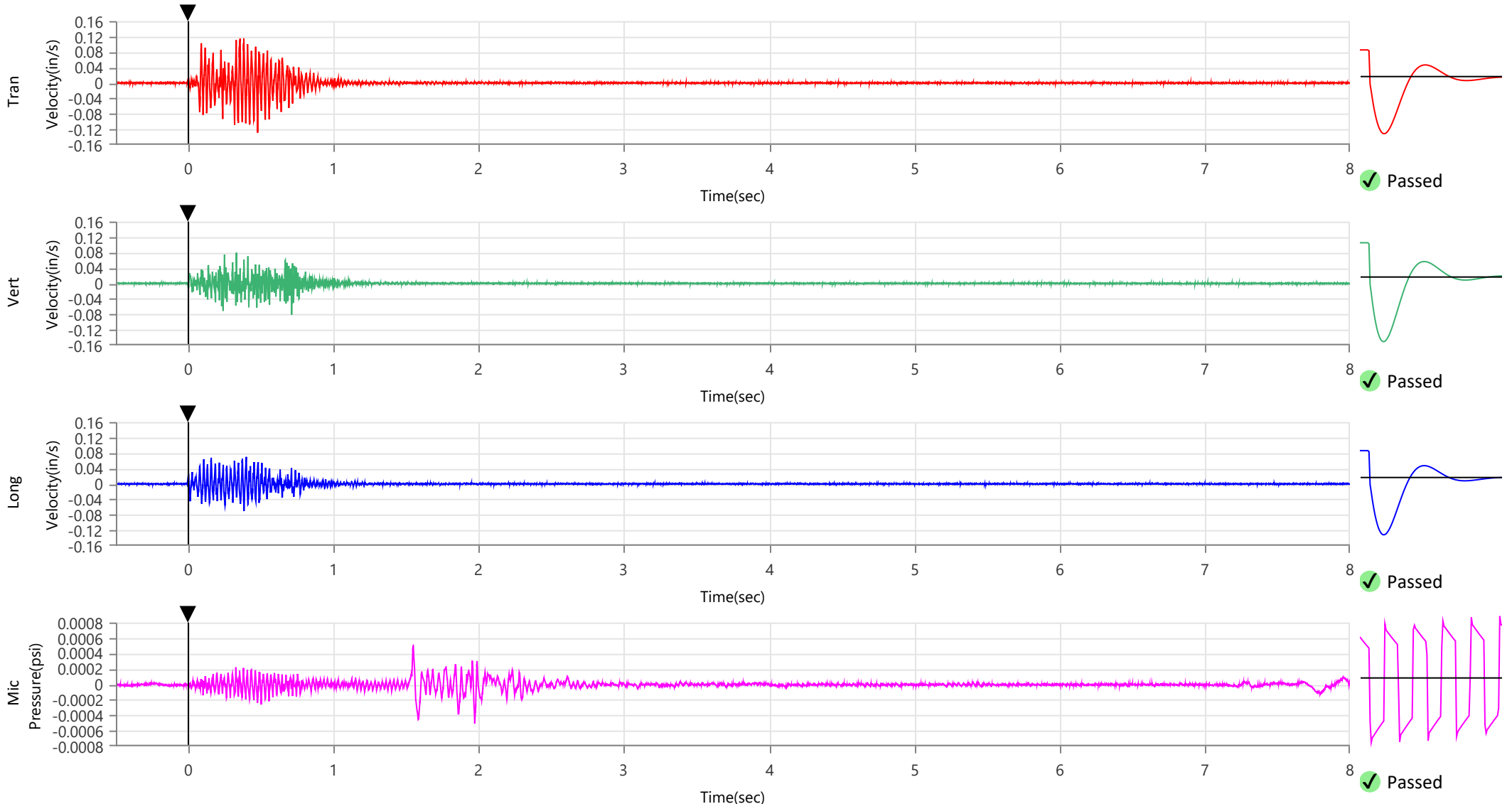
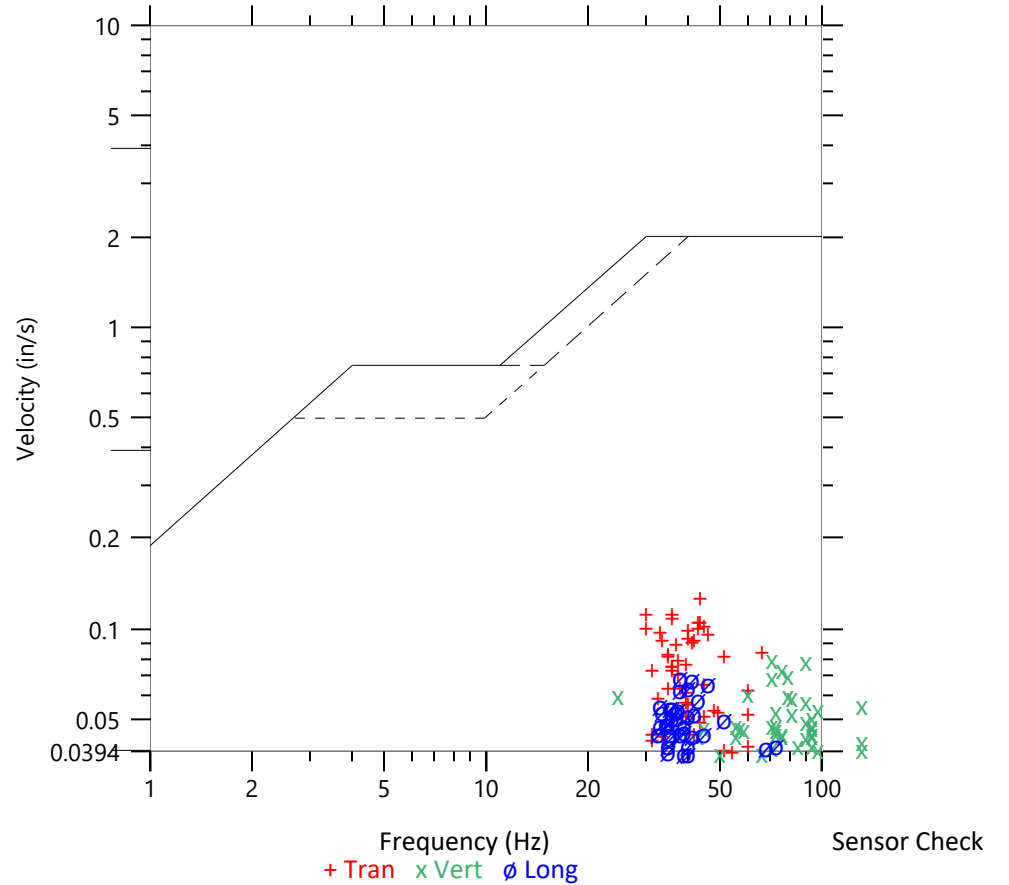
	Tran	Vert	Long
Peak Particle Velocity	0.1285 in/s	0.0810 in/s	0.0704 in/s
Zero Crossing Frequency	43.6 Hz	70.6 Hz	37.9 Hz
Time (Relative to Trigger)	0.477 sec	0.711 sec	0.383 sec
Peak Acceleration	0.142 g	0.142 g	0.089 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.9	4.1	4.8

Peak Vector Sum 0.1447 in/s at 0.383 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000509 psi
 Peak Sound Pressure Level 104.9 dB(L)
 Time (Relative to Trigger) 1.972 sec
 Zero Crossing Frequency 25.9 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1288 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

Long at June 14, 2024 10:53:51
 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

UM18138
 Micromate ISEE 11.0AK
 3.8 volts
 March 25, 2024 by Instantel
 UM18138_20240614105351.IDFW
 Disabled

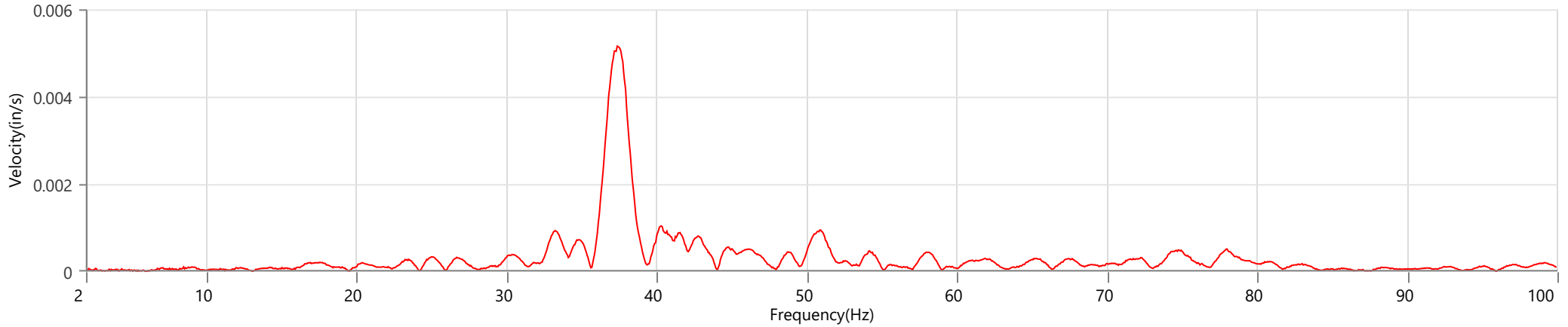
Notes

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

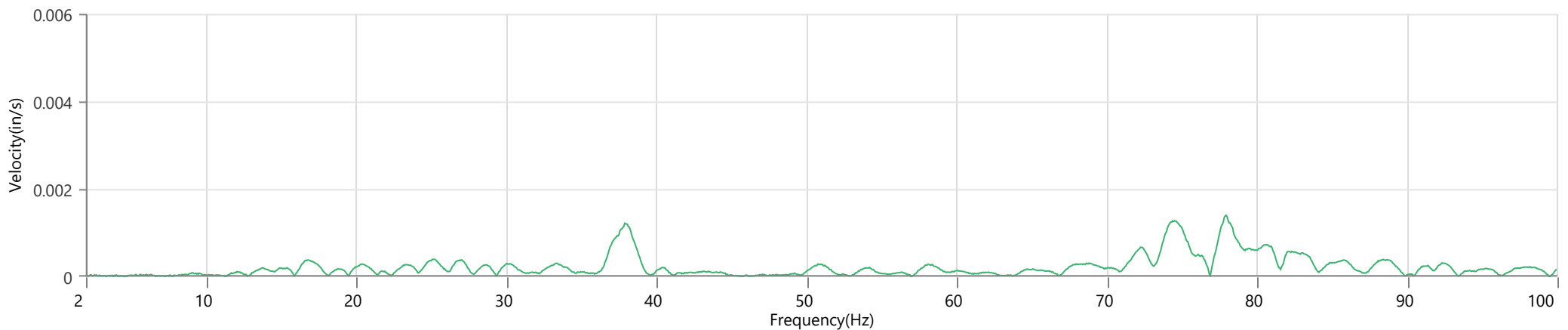
Extended Note N30.49742 W98.21566

Post Event Notes No text to be displayed.

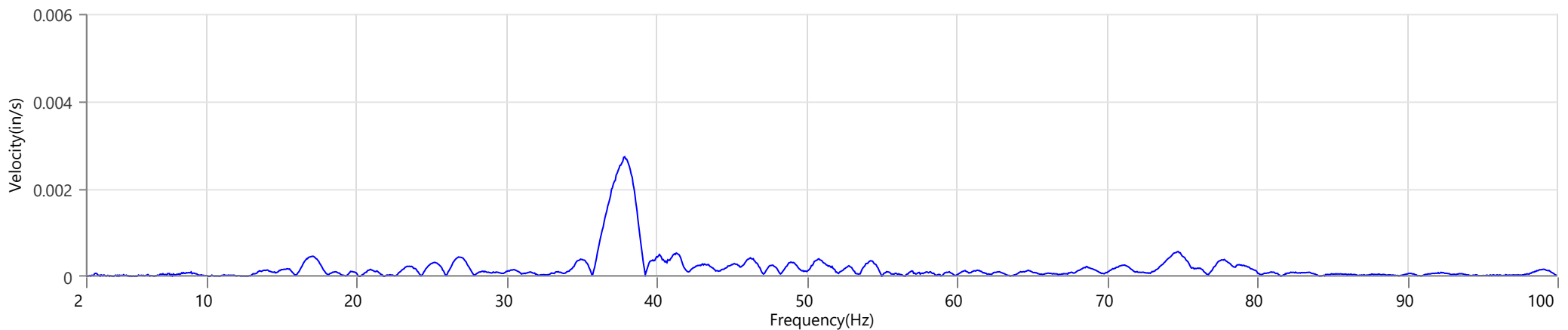
Tran - Dominant Frequency 37.4 Hz, Amplitude 0.0052 in/s (Peak Particle Velocity: 0.1285 in/s)



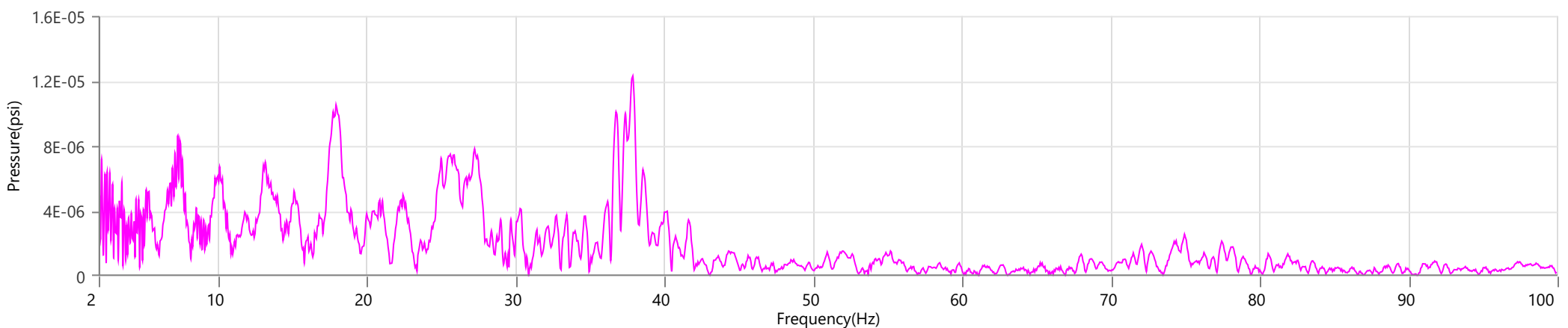
Vert - Dominant Frequency 77.9 Hz, Amplitude 0.0014 in/s (Peak Particle Velocity: 0.0810 in/s)



Long - Dominant Frequency 37.9 Hz, Amplitude 0.0027 in/s (Peak Particle Velocity: 0.0704 in/s)



Mic - Dominant Frequency 37.9 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000509 psi)



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

Vert at June 14, 2024 10:53:52
 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

UM8723
 Micromate ISEE 11.0AK
 3.8 volts
 March 25, 2024 by Instantel
 UM8723_20240614105352.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

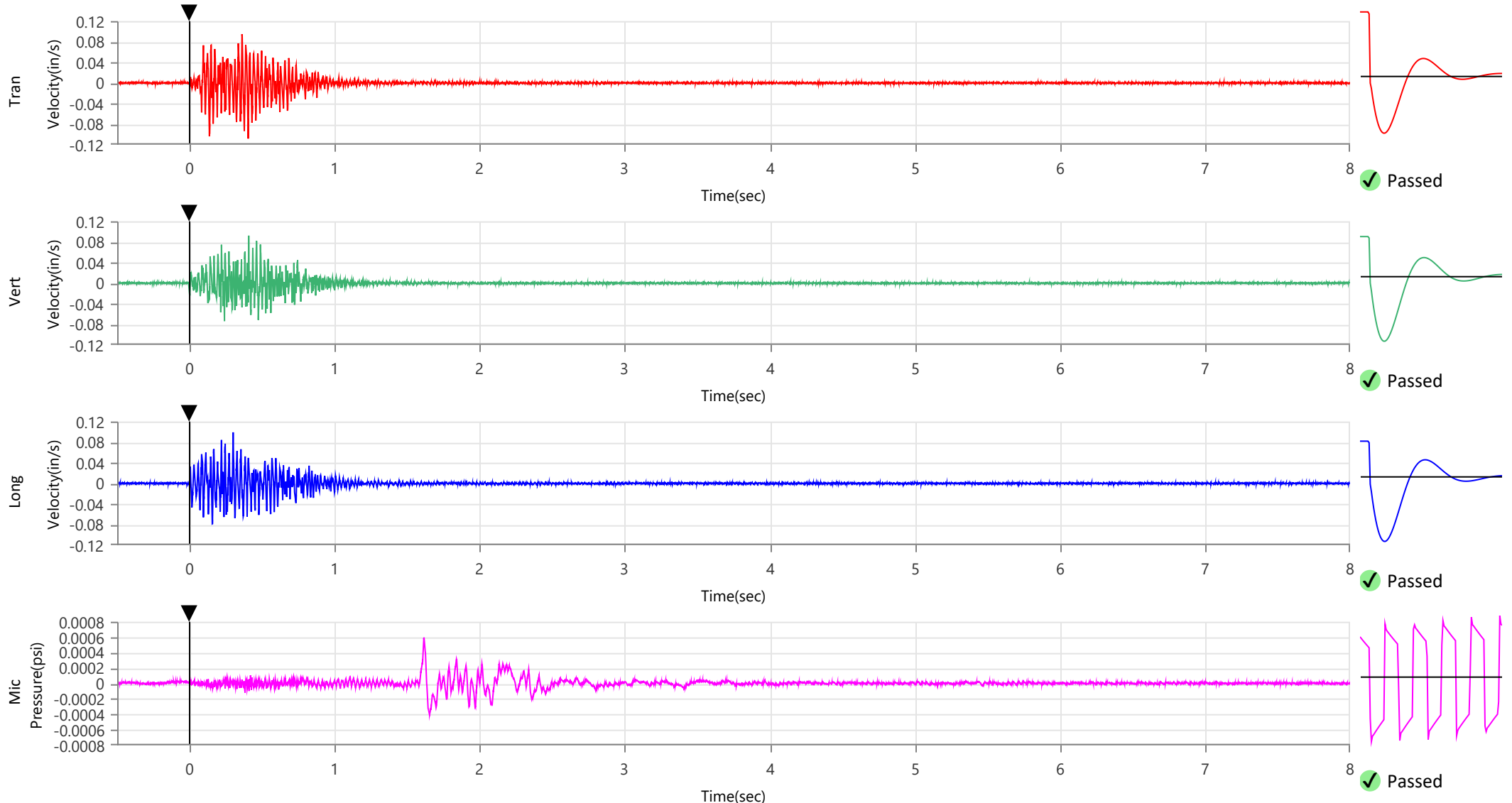
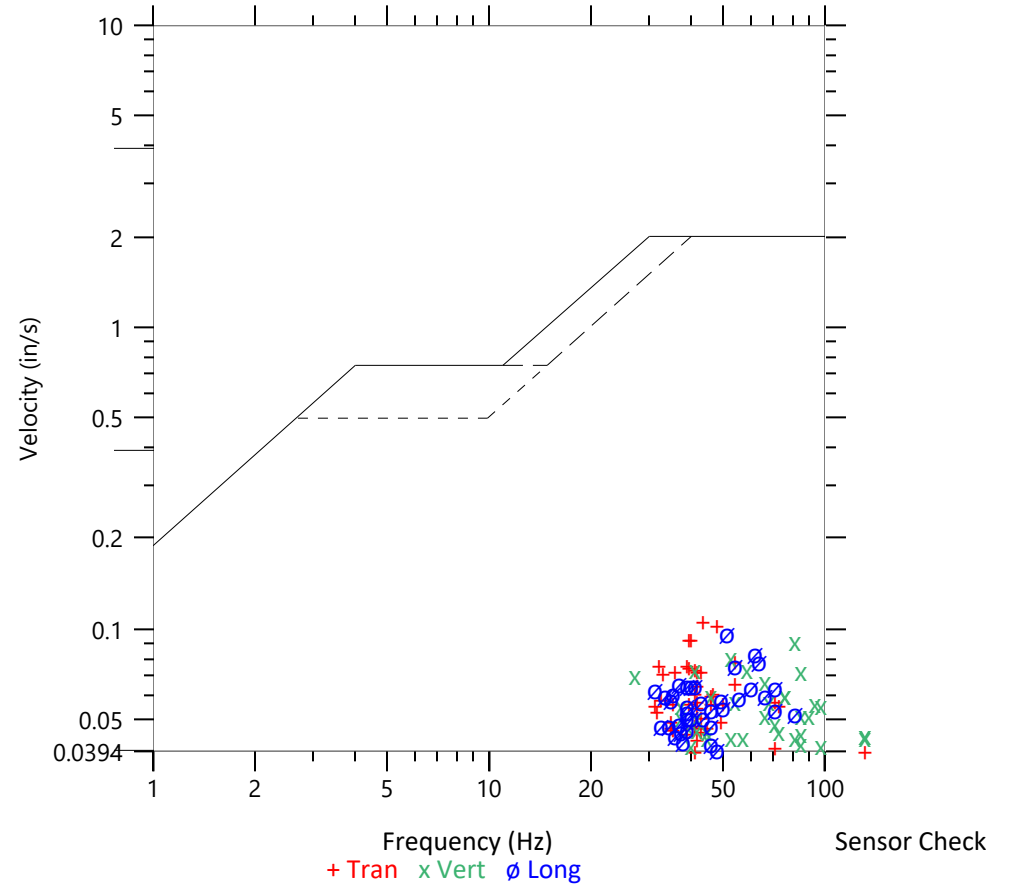
	Tran	Vert	Long
Peak Particle Velocity	0.1083 in/s	0.0922 in/s	0.0990 in/s
Zero Crossing Frequency	43.6 Hz	81.9 Hz	51.2 Hz
Time (Relative to Trigger)	0.404 sec	0.408 sec	0.301 sec
Peak Acceleration	0.118 g	0.142 g	0.089 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	3.1	3.3	3.7

Peak Vector Sum 0.1226 in/s at 0.404 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000596 psi
 Peak Sound Pressure Level 106.3 dB(L)
 Time (Relative to Trigger) 1.616 sec
 Zero Crossing Frequency 10.0 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1263 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 June 14, 2024 10:53:52
 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

UM8723
 Micromate ISEE 11.0AK
 3.8 volts
 March 25, 2024 by Instantel
 UM8723_20240614105352.IDFW
 Disabled

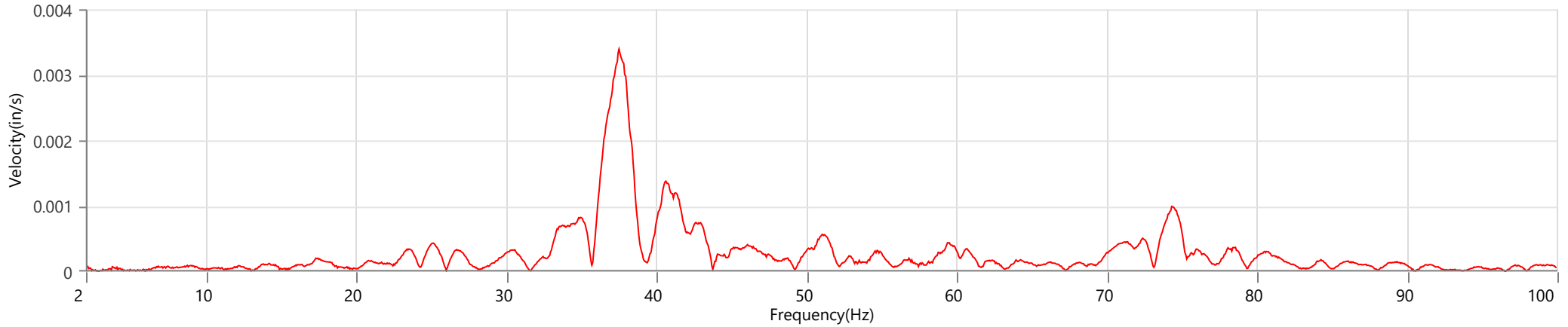
Notes

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

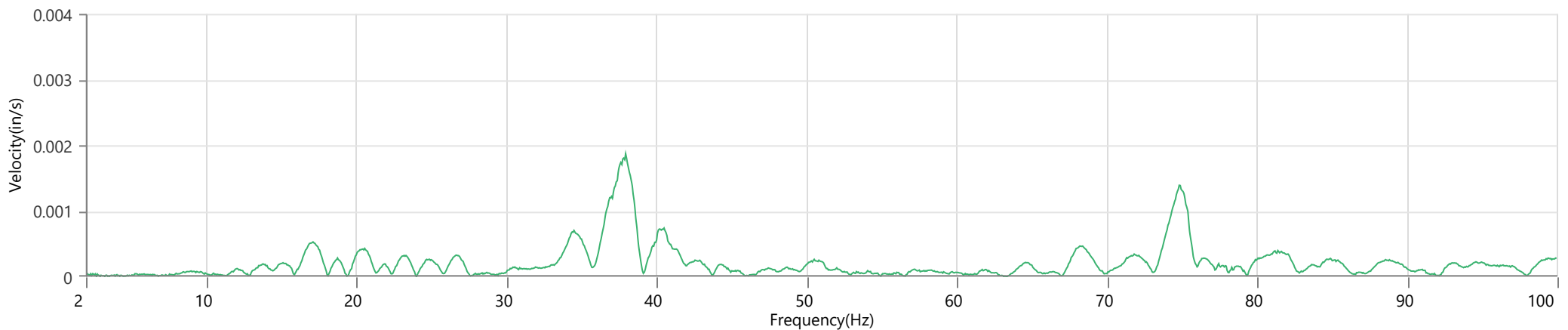
Extended Note N30.49821 W98.21578

Post Event Notes No text to be displayed.

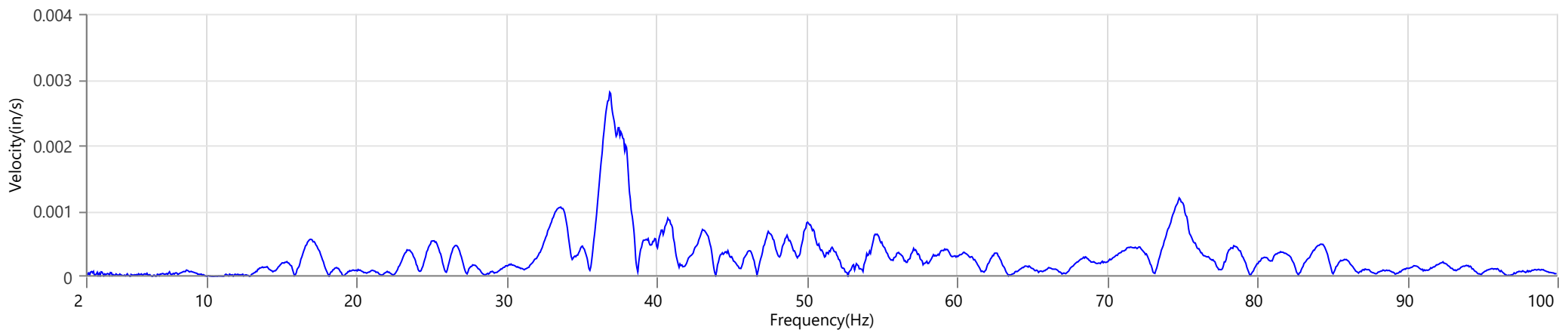
Tran - Dominant Frequency 37.5 Hz, Amplitude 0.0034 in/s (Peak Particle Velocity: 0.1083 in/s)



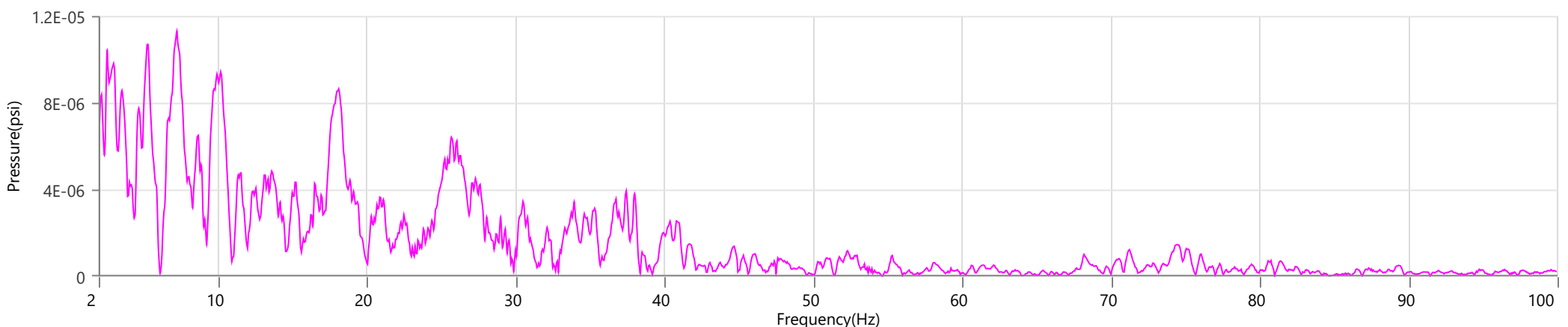
Vert - Dominant Frequency 37.9 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.0922 in/s)



Long - Dominant Frequency 36.9 Hz, Amplitude 0.0028 in/s (Peak Particle Velocity: 0.0990 in/s)



Mic - Dominant Frequency 7.2 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000596 psi)



Waveform Trigger Source
Trigger Level(s)
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Operator

Long at June 14, 2024 10:53:51
 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

UM19910
 Micromate ISEE 11.0AK
 3.8 volts
 May 22, 2024 by Instantel
 UM19910_20240614105351.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

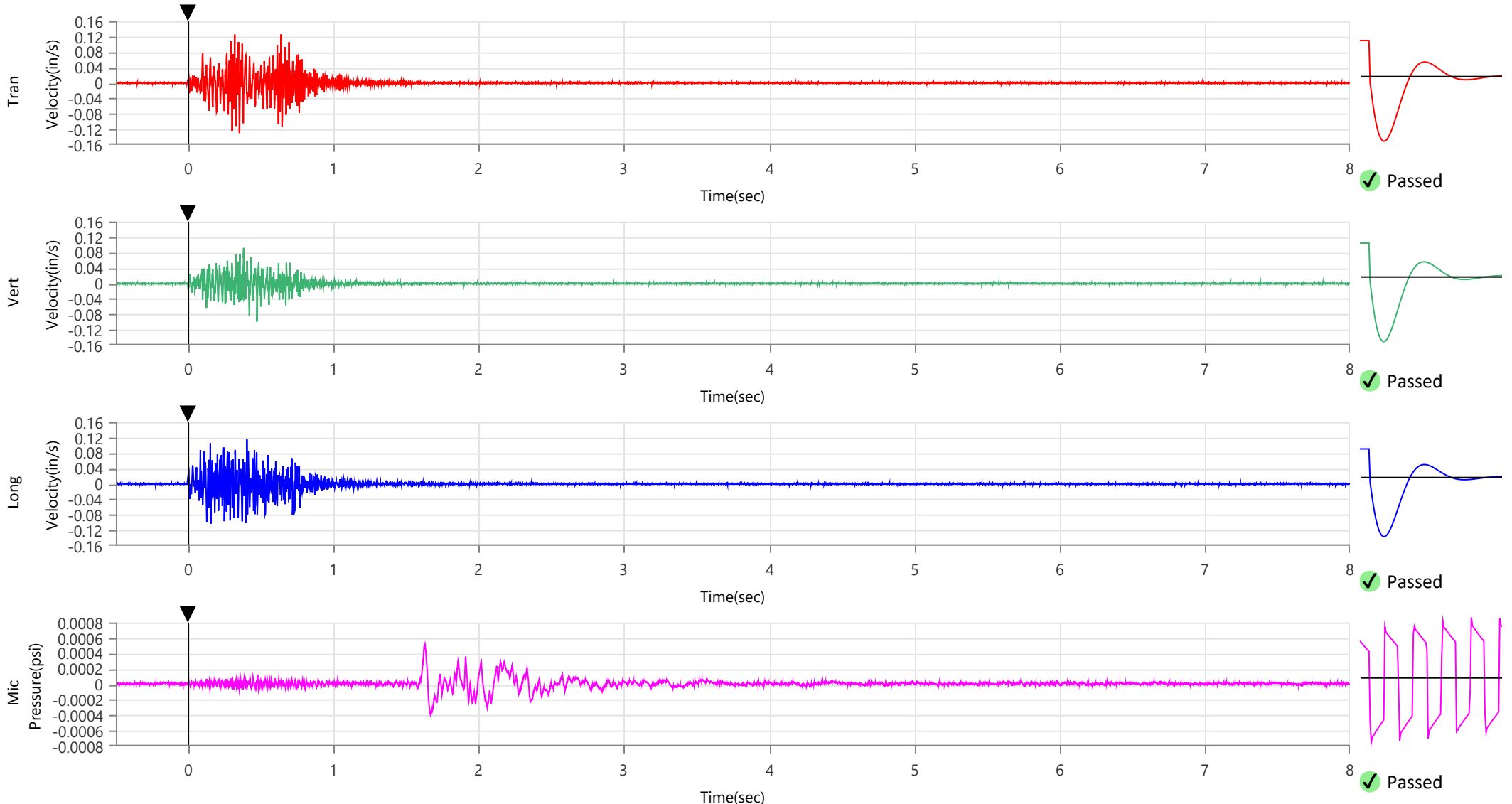
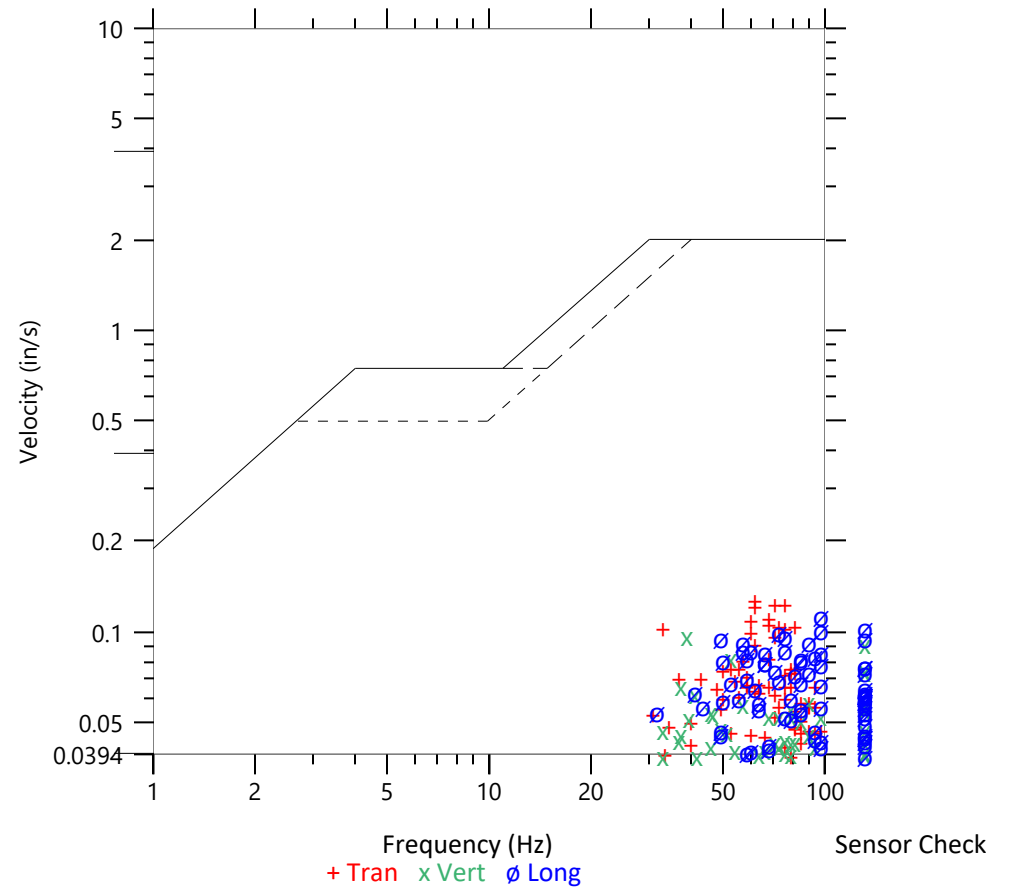
	Tran	Vert	Long
Peak Particle Velocity	0.1297 in/s	0.0990 in/s	0.1148 in/s
Zero Crossing Frequency	62.1 Hz	38.6 Hz	97.5 Hz
Time (Relative to Trigger)	0.352 sec	0.472 sec	0.403 sec
Peak Acceleration	0.158 g	0.217 g	0.220 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.4	4.2	4.5

Peak Vector Sum 0.1411 in/s at 0.370 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000520 psi
 Peak Sound Pressure Level 105.1 dB(L)
 Time (Relative to Trigger) 1.629 sec
 Zero Crossing Frequency 8.1 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1307 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

Long at June 14, 2024 10:53:51
 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

UM19910
 Micromate ISEE 11.0AK
 3.8 volts
 May 22, 2024 by Instantel
 UM19910_20240614105351.IDFW
 Disabled

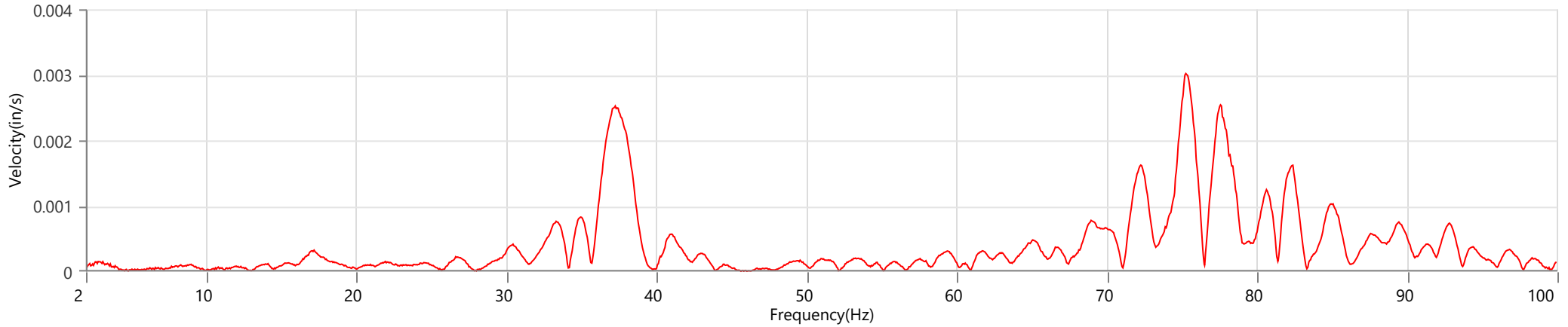
Notes

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

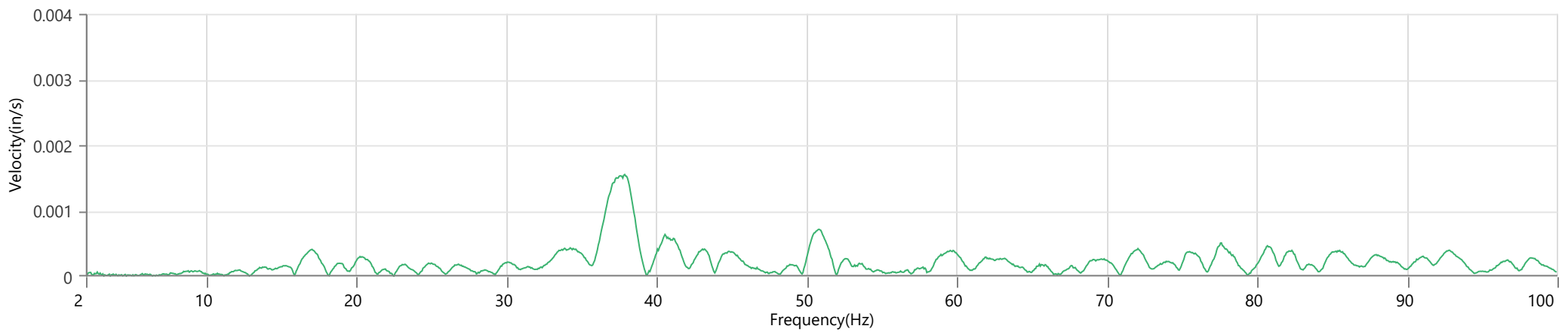
Extended Note N30.49911 W98.21538

Post Event Notes No text to be displayed.

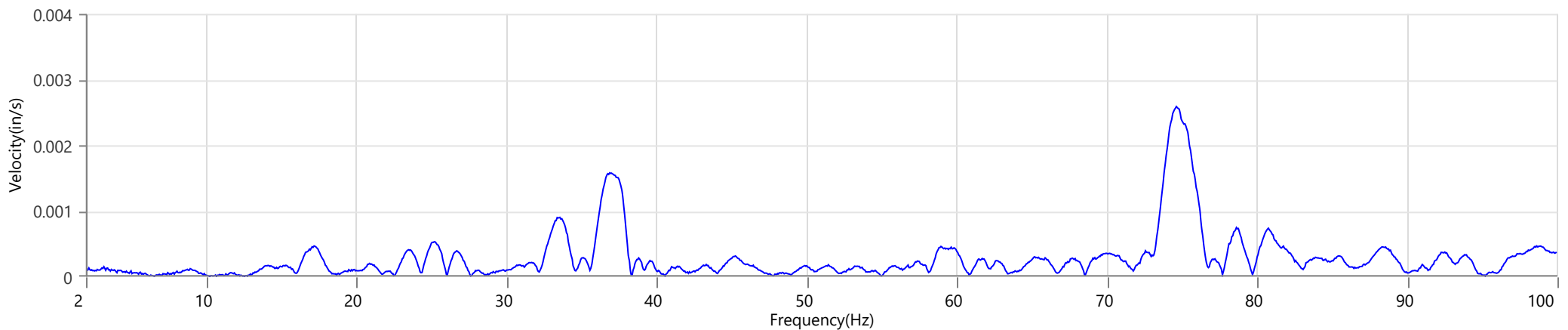
Tran - Dominant Frequency 75.2 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1297 in/s)



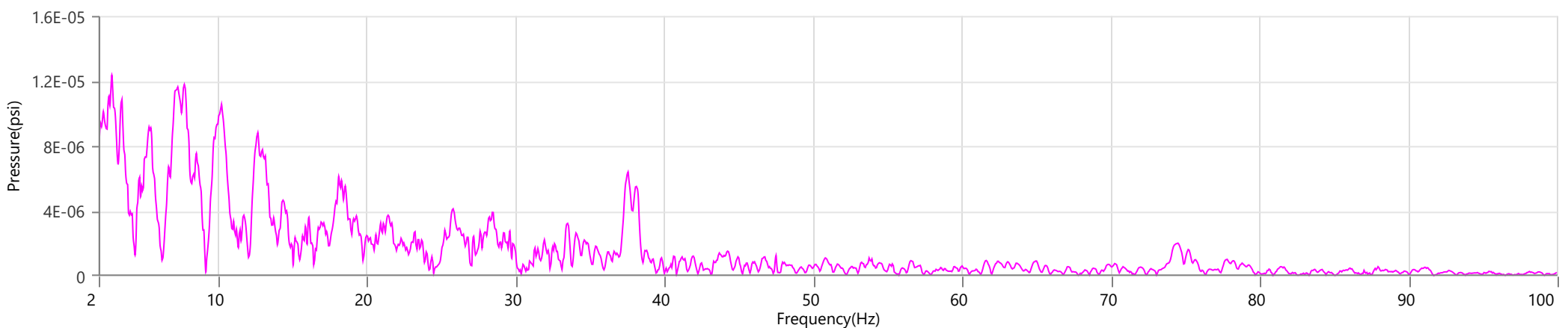
Vert - Dominant Frequency 37.9 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.0990 in/s)



Long - Dominant Frequency 74.6 Hz, Amplitude 0.0026 in/s (Peak Particle Velocity: 0.1148 in/s)



Mic - Dominant Frequency 2.9 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000520 psi)



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

Long at June 14, 2024 10:53:51
 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

UM11400
 Micromate ISEE 11.0AK
 3.8 volts
 May 21, 2024 by Instantel
 UM11400_20240614105351.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

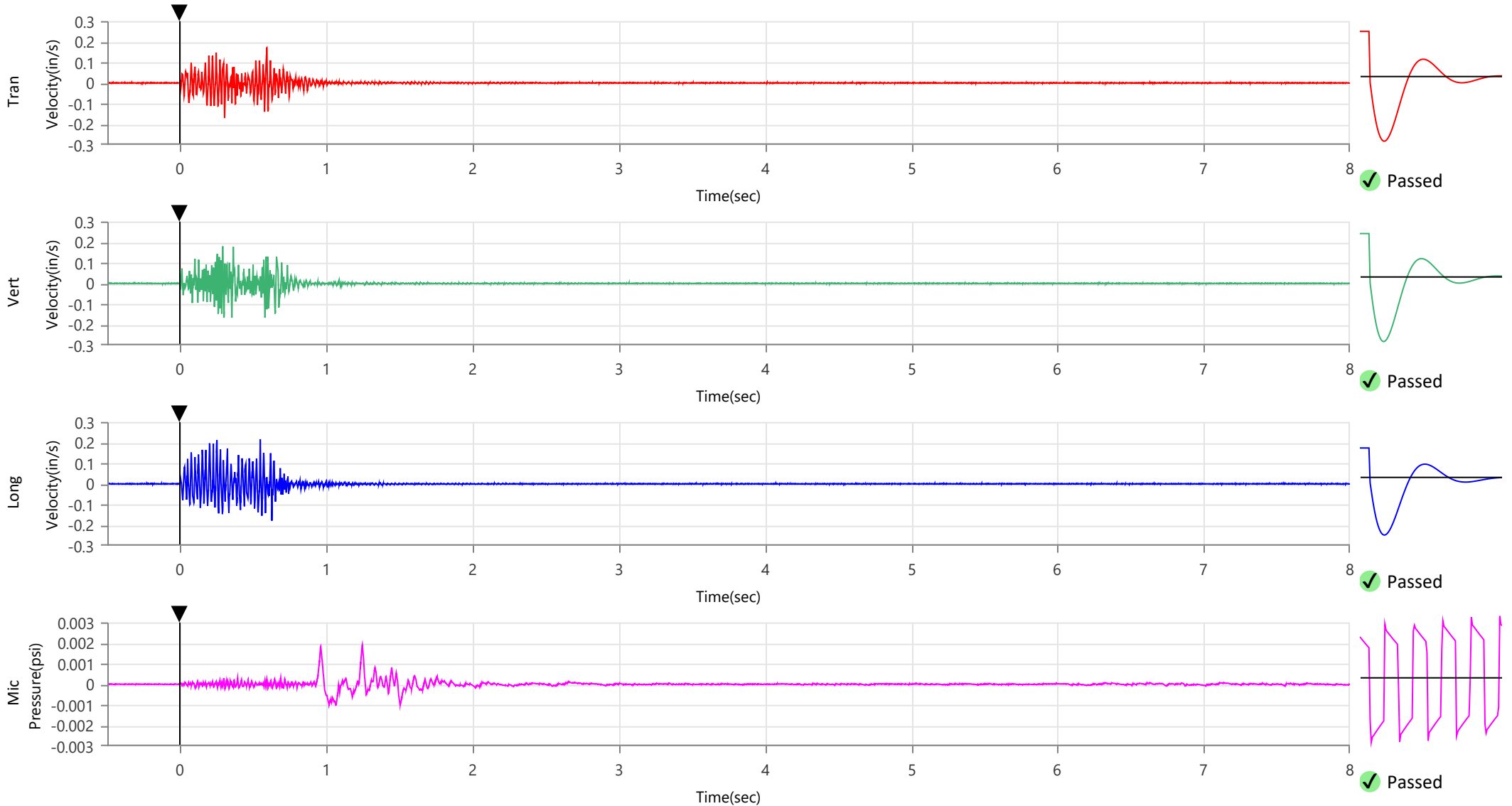
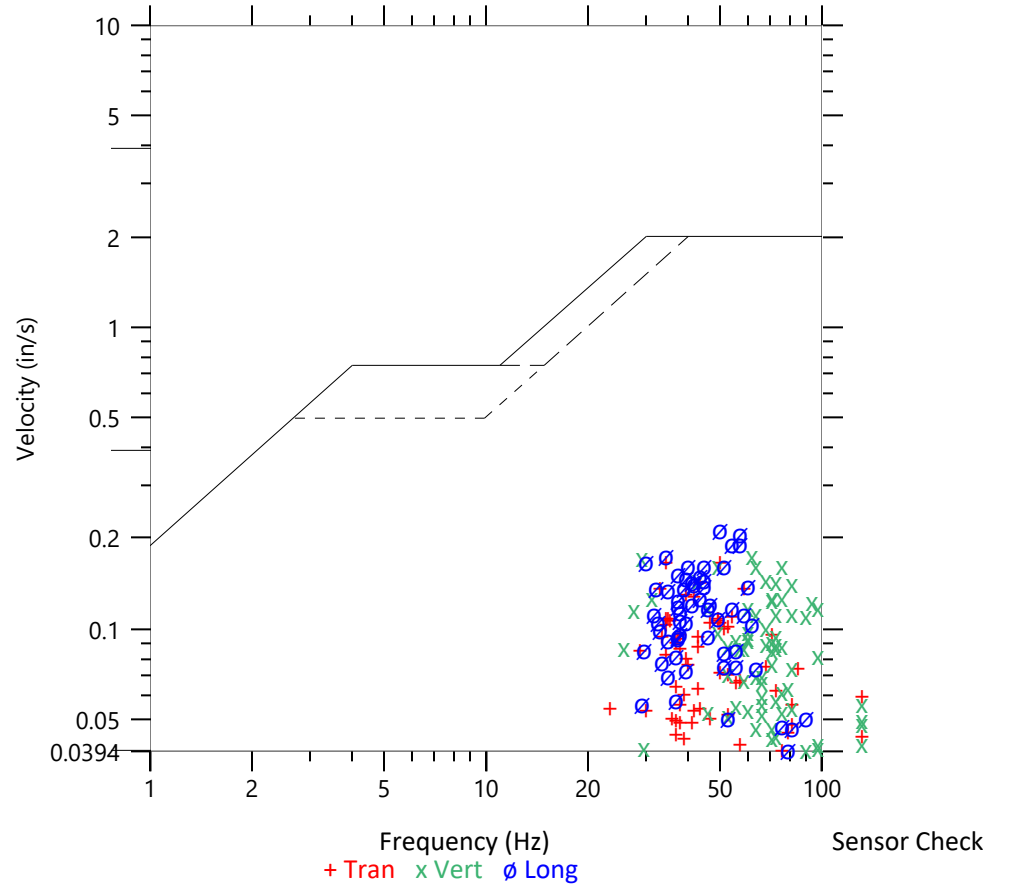
	Tran	Vert	Long
Peak Particle Velocity	0.1710 in/s	0.1797 in/s	0.2163 in/s
Zero Crossing Frequency	34.1 Hz	62.1 Hz	50.0 Hz
Time (Relative to Trigger)	0.591 sec	0.290 sec	0.546 sec
Peak Acceleration	0.178 g	0.224 g	0.214 g
Peak Displacement	0.001 in	0.001 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.7 Hz	7.1 Hz
Overswing Ratio	3.7	3.5	4.3

Peak Vector Sum 0.2360 in/s at 0.251 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001906 psi
 Peak Sound Pressure Level 116.4 dB(L)
 Time (Relative to Trigger) 1.245 sec
 Zero Crossing Frequency 11.4 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1271 mv

USBM RI8507 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

Long at June 14, 2024 10:53:51
 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

UM11400
 Micromate ISEE 11.0AK
 3.8 volts
 May 21, 2024 by Instantel
 UM11400_20240614105351.IDFW
 Disabled

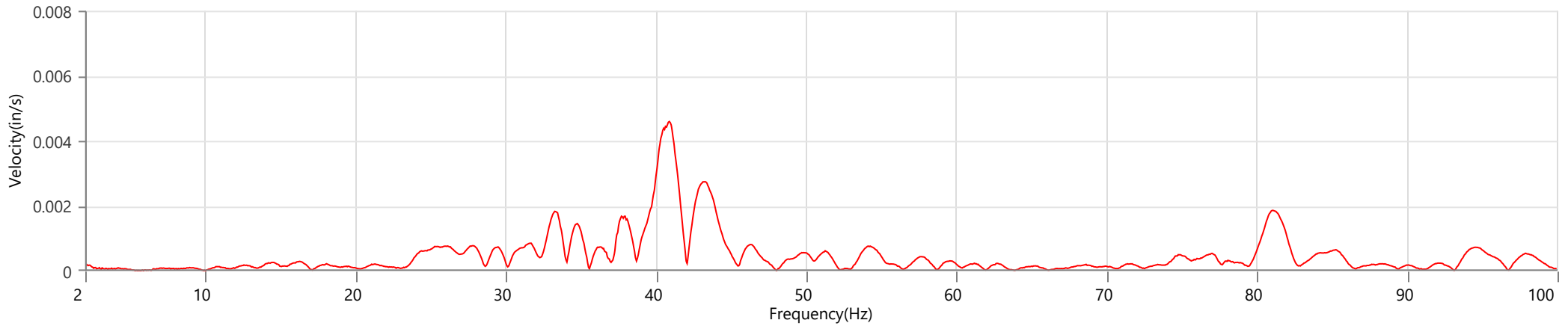
Notes

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

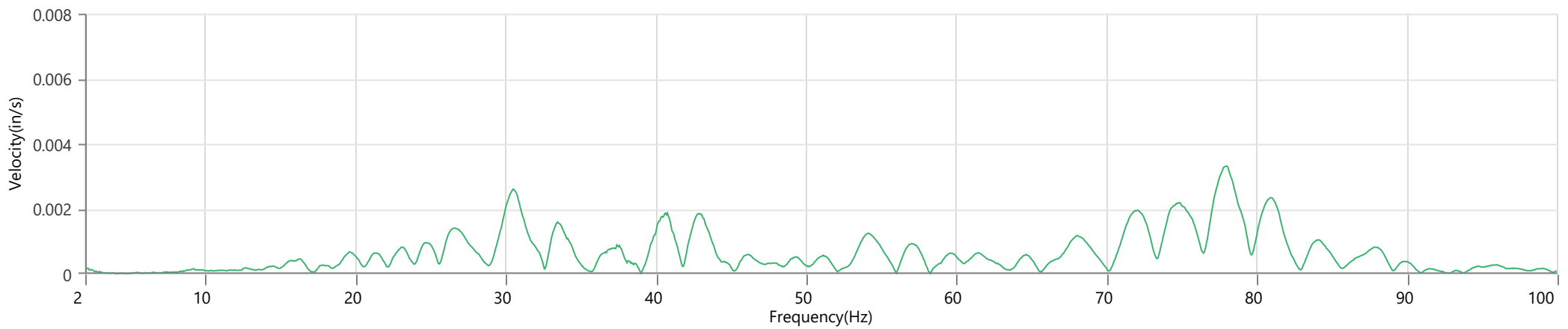
Extended Note N30.495113 W98.206539

Post Event Notes No text to be displayed.

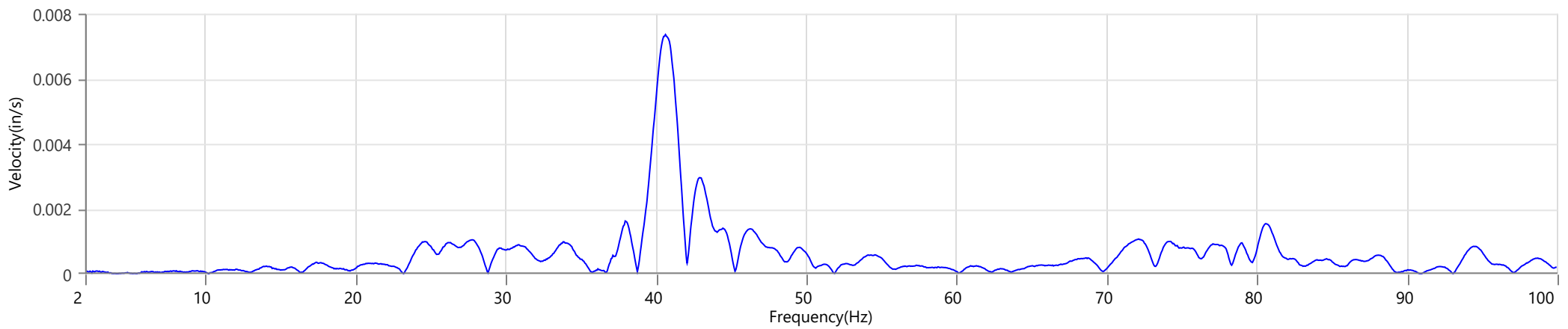
Tran - Dominant Frequency 40.9 Hz, Amplitude 0.0046 in/s (Peak Particle Velocity: 0.1710 in/s)



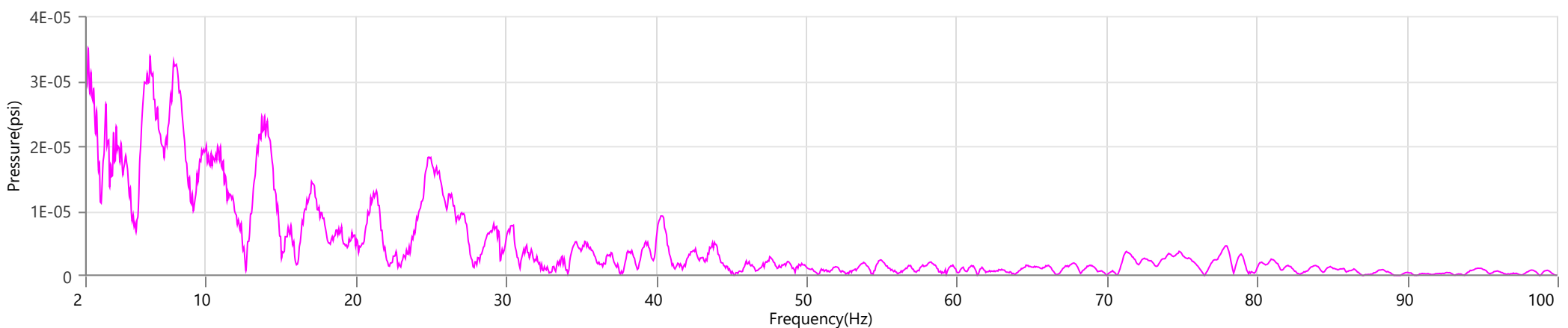
Vert - Dominant Frequency 78.0 Hz, Amplitude 0.0033 in/s (Peak Particle Velocity: 0.1797 in/s)



Long - Dominant Frequency 40.6 Hz, Amplitude 0.0074 in/s (Peak Particle Velocity: 0.2163 in/s)



Mic - Dominant Frequency 2.2 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.001906 psi)



Start June 14, 2024 00:00:08
Finish June 14, 2024 23:29:59
Number of Intervals/Interval 1409.85/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

Serial Number UM19907
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 23, 2024 by Instantel
Microphone Calibration UA10154, March 2, 2023 by Instantel
Event File Name UM19907_20240614000008.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

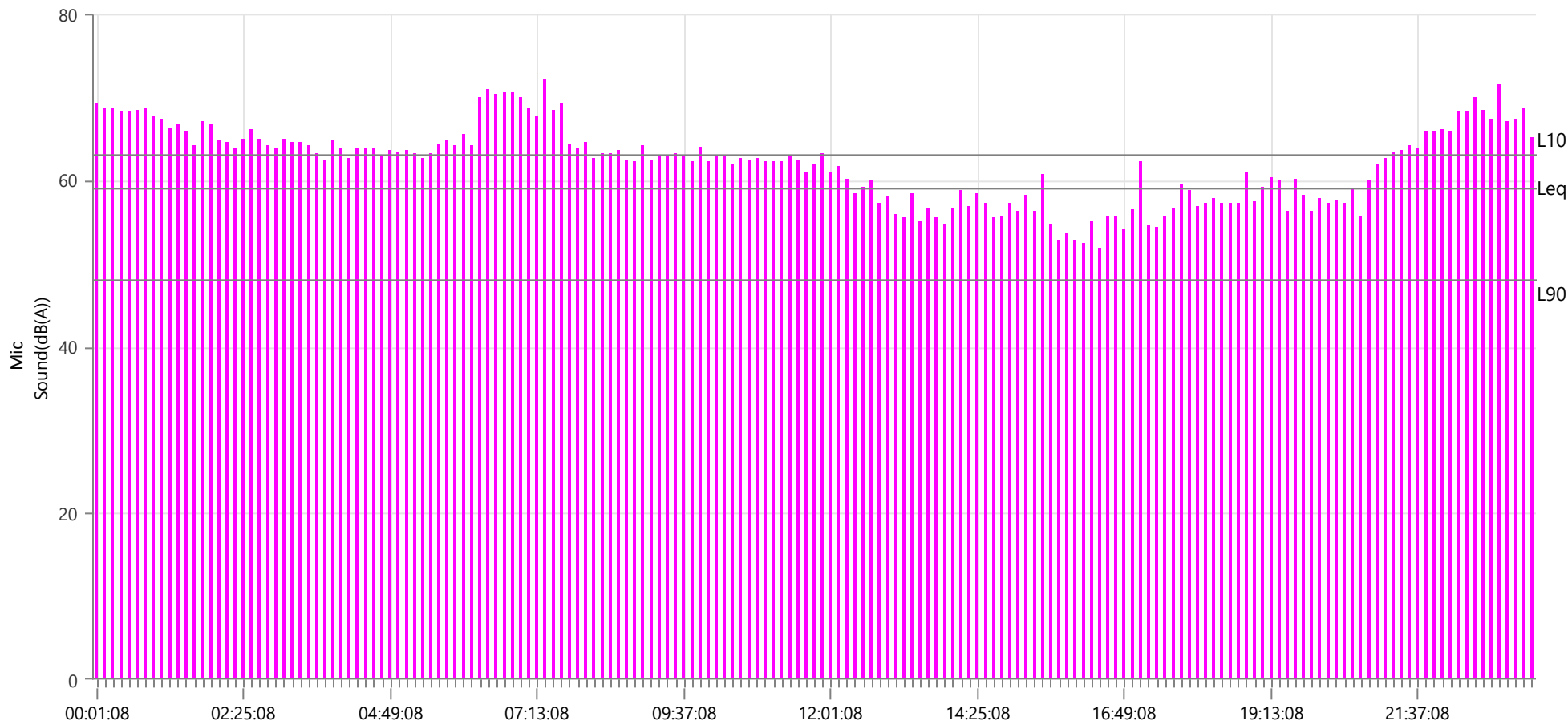
Post Event Notes No text to be displayed.

Sound Level Microphone

LMax 72.1 dB(A)
Date Jun 14, 2024
Time 07:26:08

	LMin	L10	L90	Leq
Sound(dB(A))	36.0	63	48	59.0
Sensor Check	✔ Passed			
Test Amplitude	1016 mv			

Sensor Check



Start June 14, 2024 00:00:05
Finish June 14, 2024 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 3.mmb
Operator Operator

Serial Number UM8048
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 21, 2024 by Instantel
Microphone Calibration UA10761, July 29, 2022 by Instantel
Event File Name UM8048_20240614000005.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

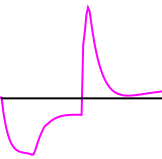
Post Event Notes No text to be displayed.

Sound Level Microphone

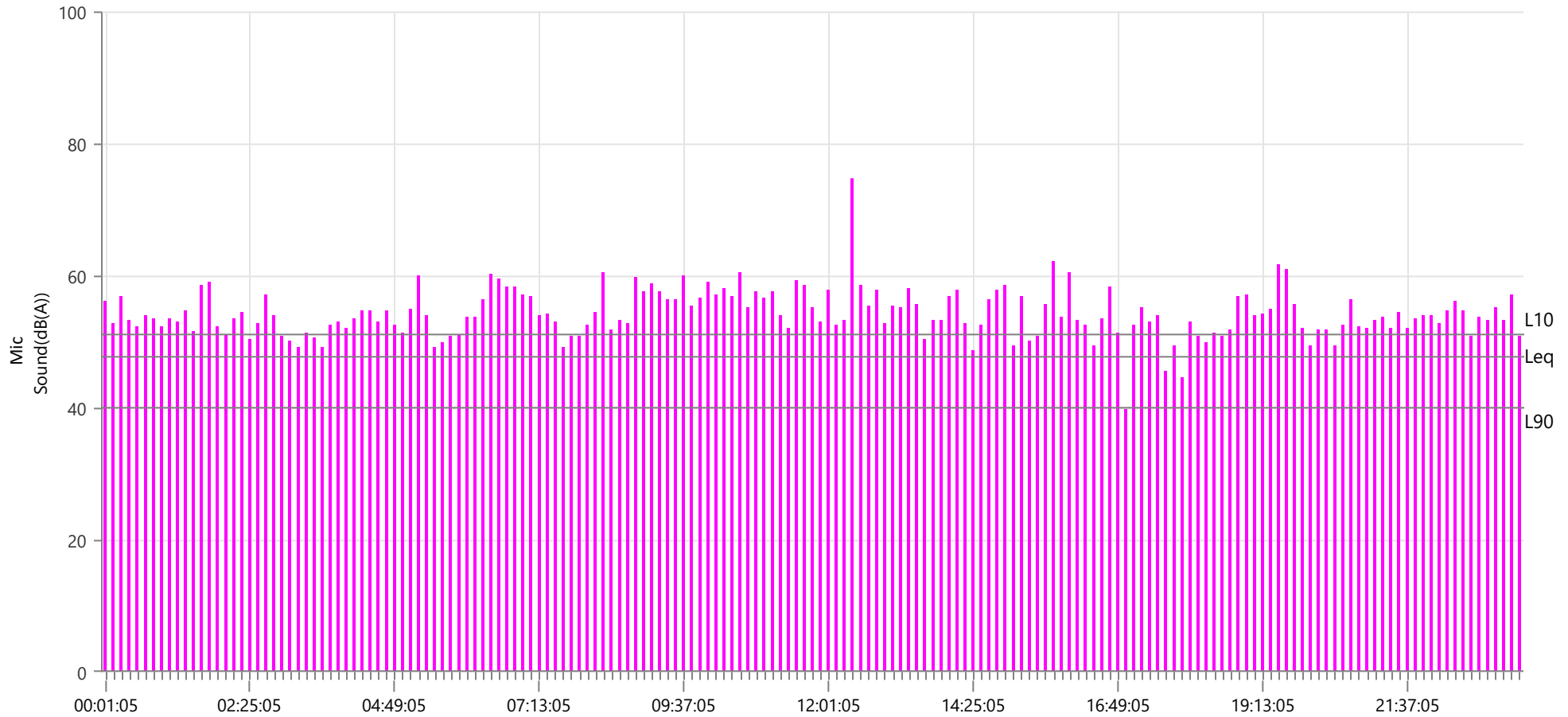
LMax 74.7 dB(A)
Date Jun 14, 2024
Time 12:32:05

	LMin	L10	L90	Leq
Sound(dB(A))	30.9	51	40	47.7
Sensor Check	✓ Passed			
Test Amplitude	1086 mv			

Sensor Check



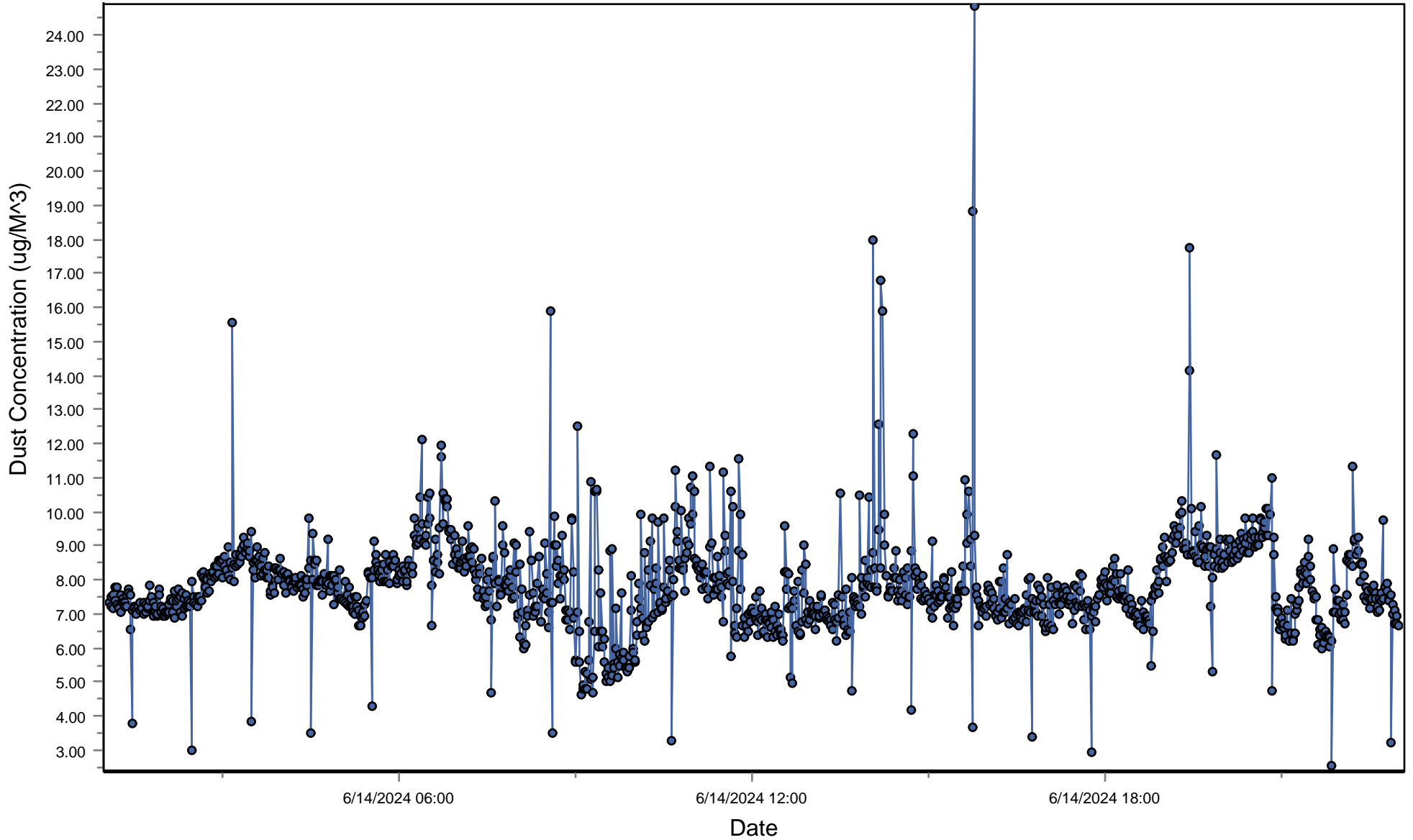
✓ Passed



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor

● D100@AvgPartL



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

D100@AvgPartL

