

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

Vert at July 2, 2024 09:47:49
 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_20240702094749.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

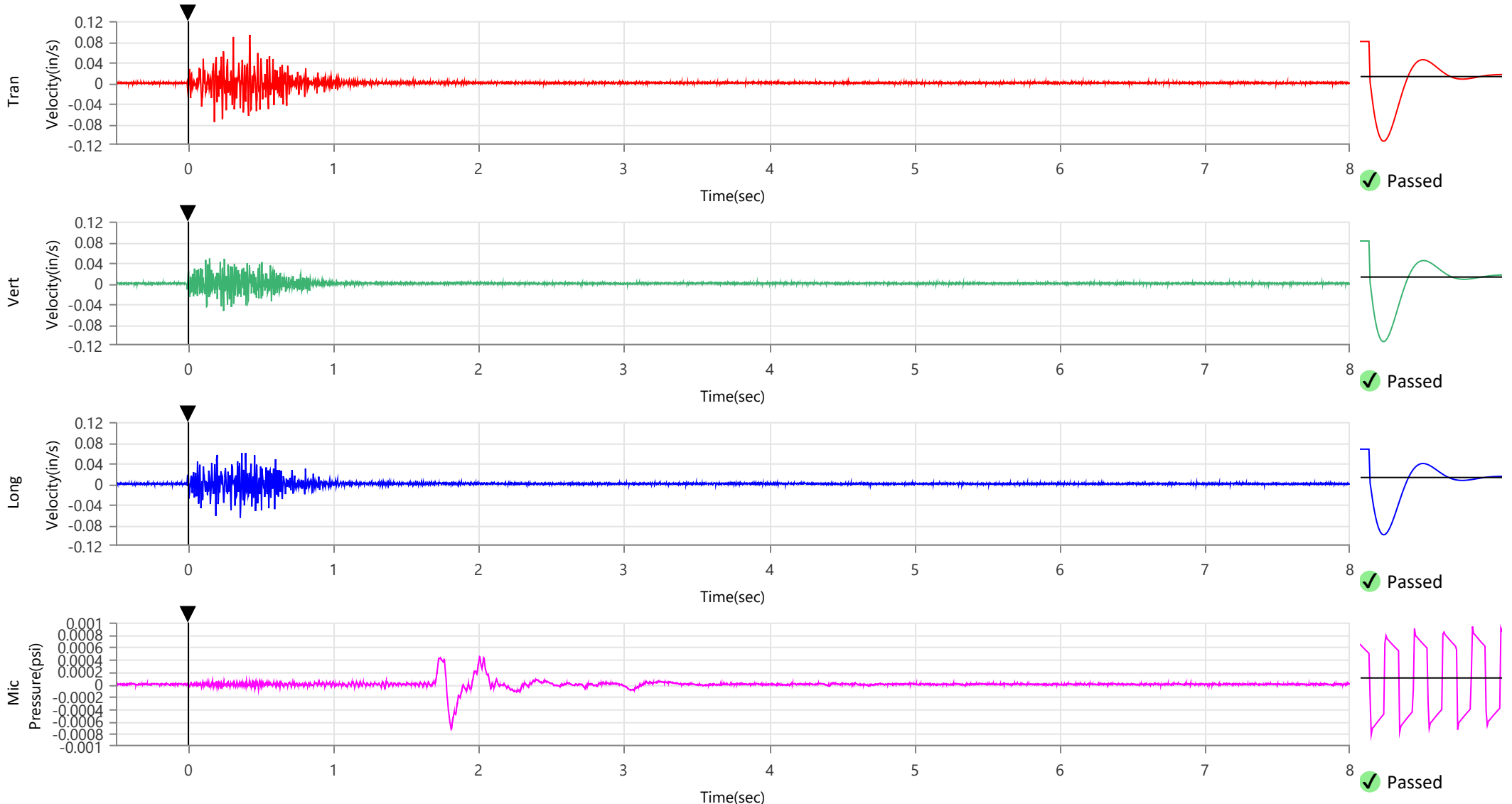
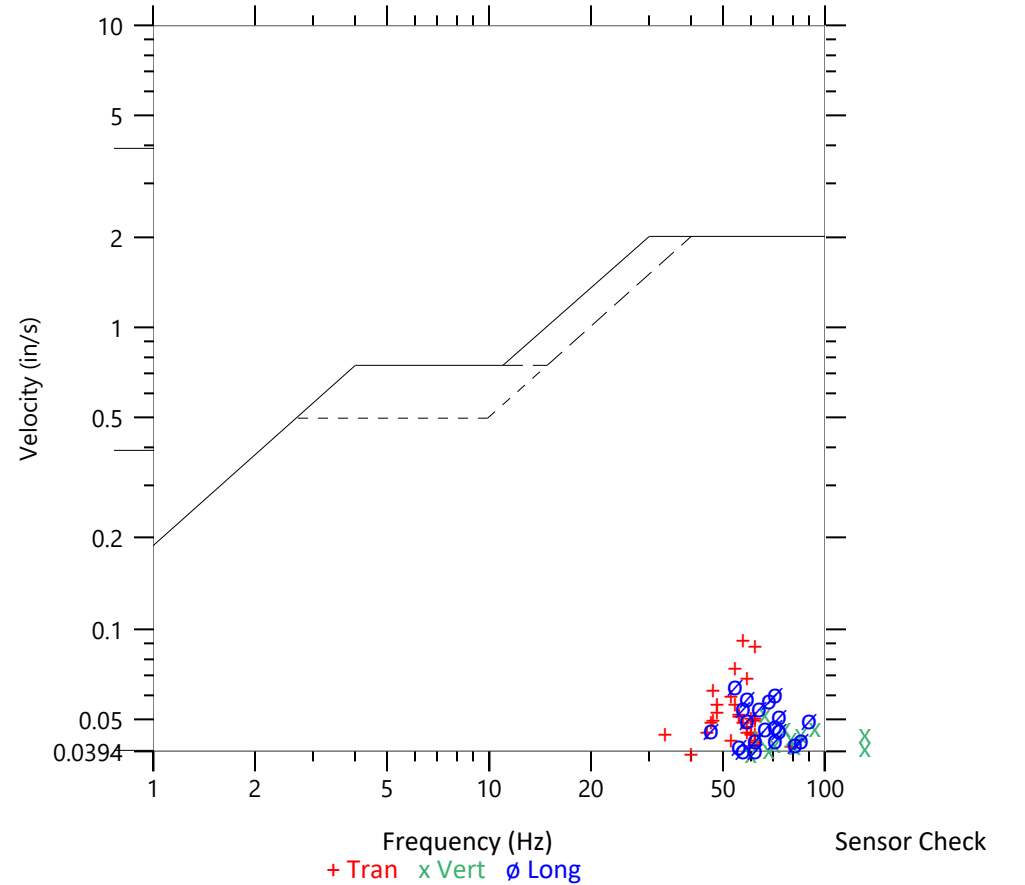
	Tran	Vert	Long
Peak Particle Velocity	0.0934 in/s	0.0534 in/s	0.0658 in/s
Zero Crossing Frequency	56.9 Hz	68.3 Hz	55.4 Hz
Time (Relative to Trigger)	0.423 sec	0.243 sec	0.357 sec
Peak Acceleration	0.102 g	0.092 g	0.109 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	3.8	3.9	4.0

Peak Vector Sum 0.0952 in/s at 0.423 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000729 psi
 Peak Sound Pressure Level 108.0 dB(L)
 Time (Relative to Trigger) 1.810 sec
 Zero Crossing Frequency 3.4 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1275 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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Event File Name
USB Sensor Support

UM21524
 Micromate ISEE 11.0AK
 3.8 volts
 March 25, 2024 by Instantel
 UM21524_20240702094749.IDFW
 Disabled

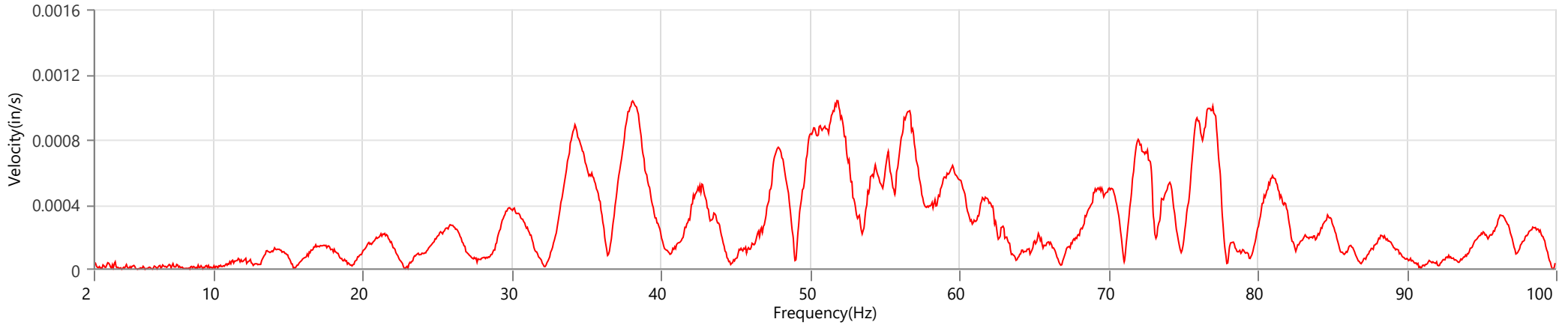
Notes

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

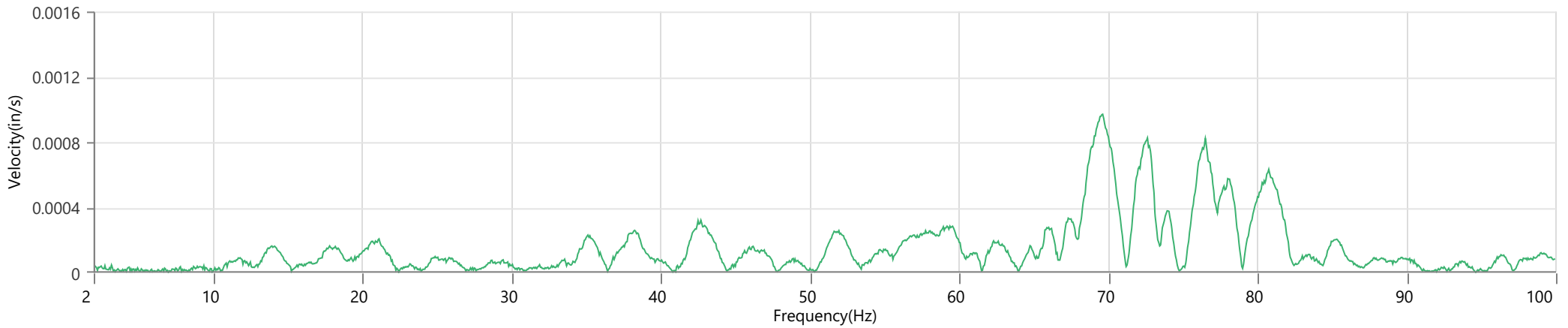
Extended Note N30.49572 W98.21577

Post Event Notes No text to be displayed.

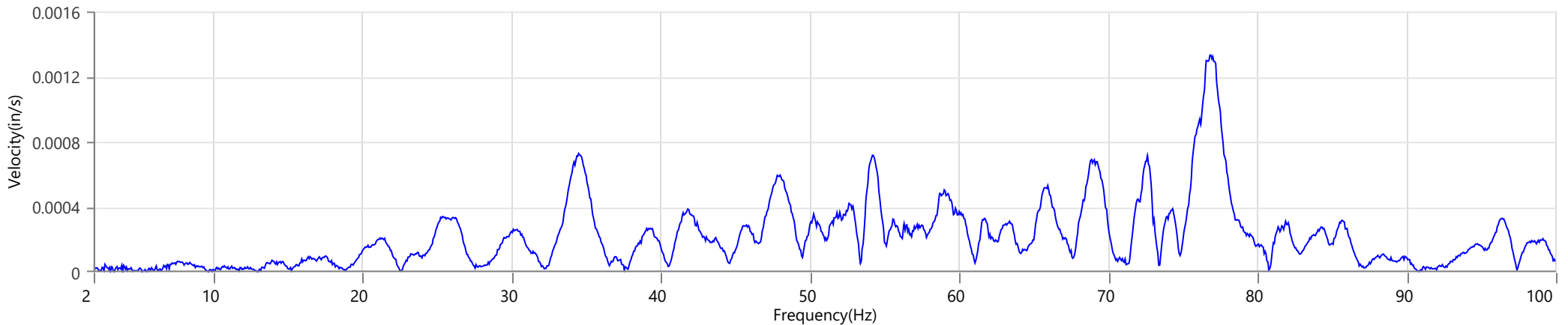
Tran - Dominant Frequency 51.8 Hz, Amplitude 0.0010 in/s (Peak Particle Velocity: 0.0934 in/s)



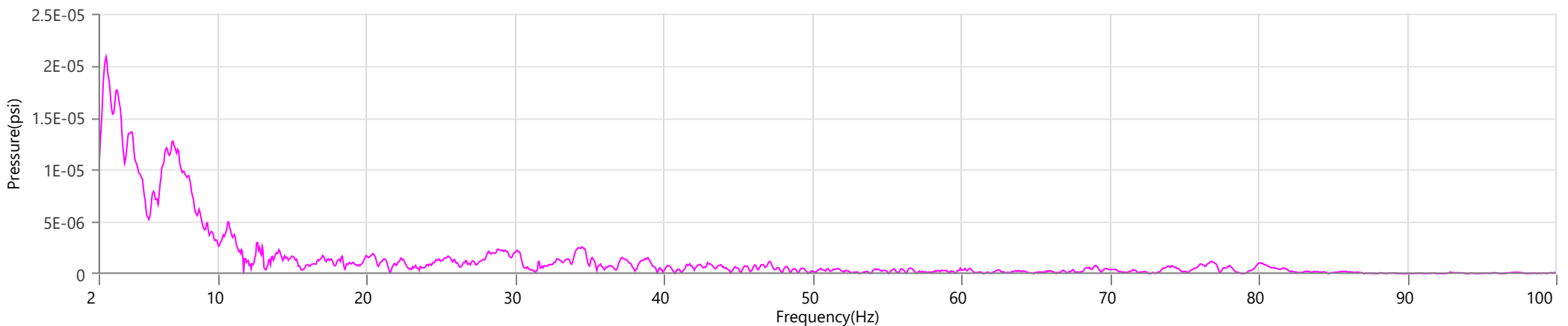
Vert - Dominant Frequency 69.6 Hz, Amplitude 0.0010 in/s (Peak Particle Velocity: 0.0534 in/s)



Long - Dominant Frequency 76.9 Hz, Amplitude 0.0013 in/s (Peak Particle Velocity: 0.0658 in/s)



Mic - Dominant Frequency 2.5 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.000729 psi)



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Vert at July 2, 2024 09:47:48
 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_20240702094748.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

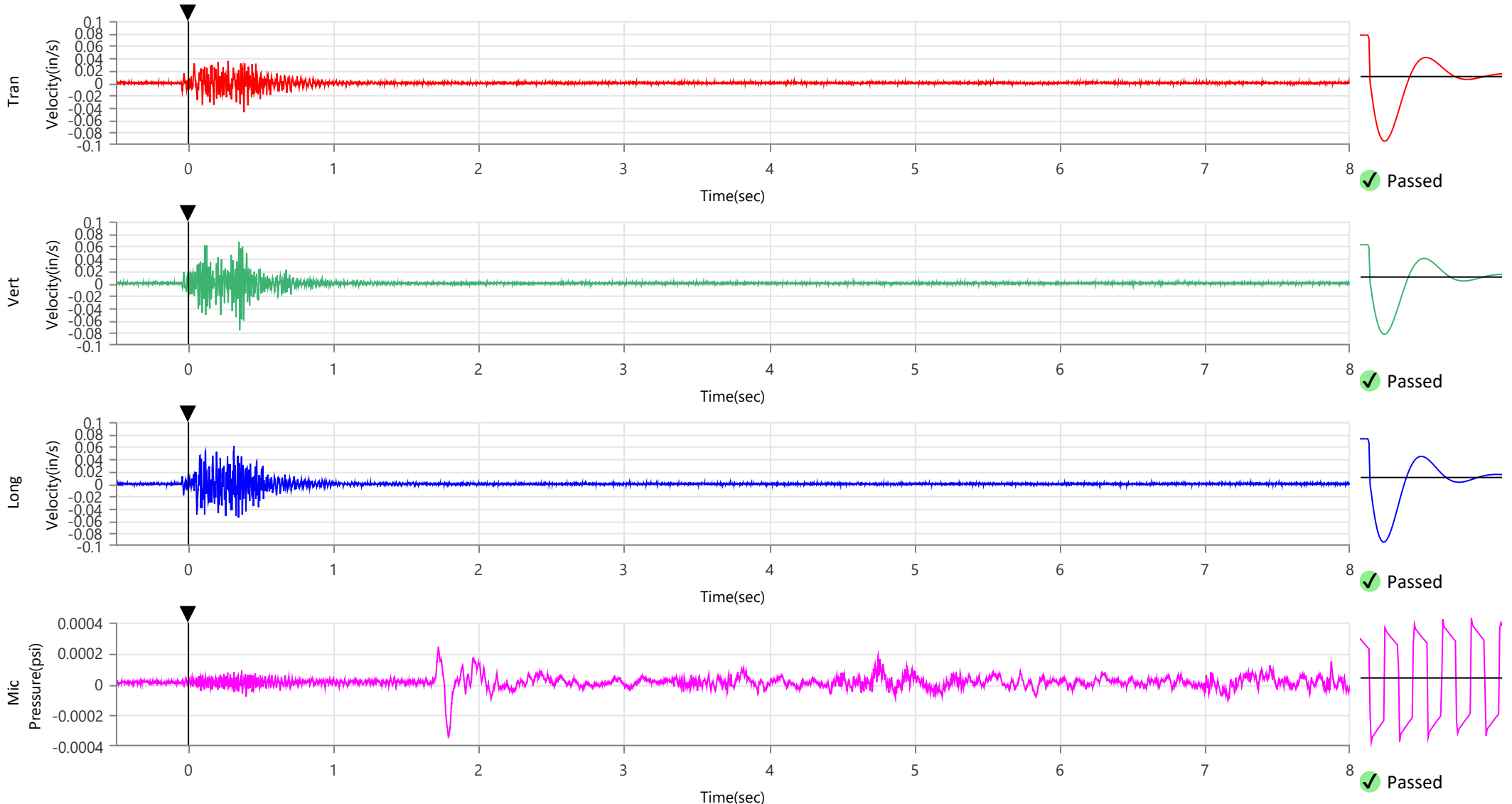
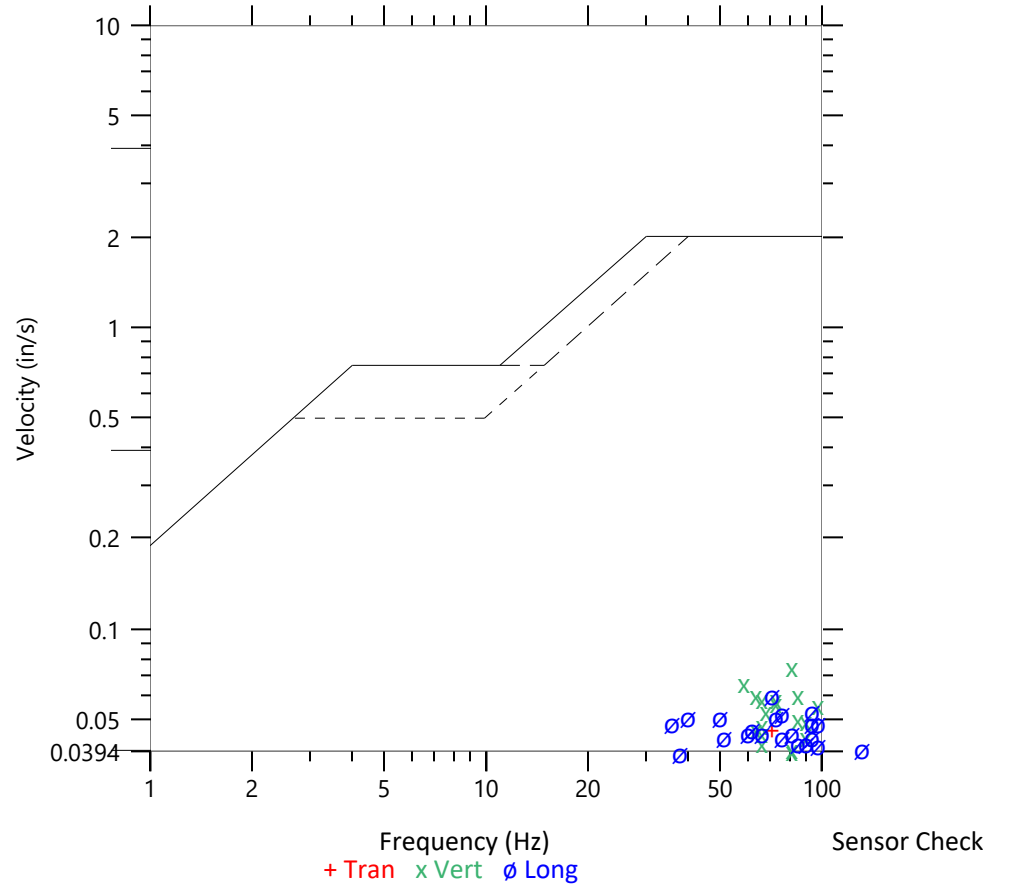
	Tran	Vert	Long
Peak Particle Velocity	0.0472 in/s	0.0757 in/s	0.0611 in/s
Zero Crossing Frequency	70.6 Hz	81.9 Hz	70.6 Hz
Time (Relative to Trigger)	0.383 sec	0.354 sec	0.314 sec
Peak Acceleration	0.072 g	0.105 g	0.086 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.9 Hz
Overswing Ratio	3.3	3.0	3.0

Peak Vector Sum 0.0836 in/s at 0.355 sec

ISEE Linear Microphone

Peak Sound Pressure Level	0.000340 psi
Peak Sound Pressure Level	101.4 dB(L)
Time (Relative to Trigger)	1.791 sec
Zero Crossing Frequency	7.1 Hz
Sensor Check	✓ Passed
Frequency	19.7 Hz
Test Amplitude	1266 mv

USBM R18507 And OSMRE
Velocity versus Frequency (Zero Crossing)



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 Mic 0.01029 psi, 131 dB(L)
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 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_20240702094748.IDFW
 Disabled

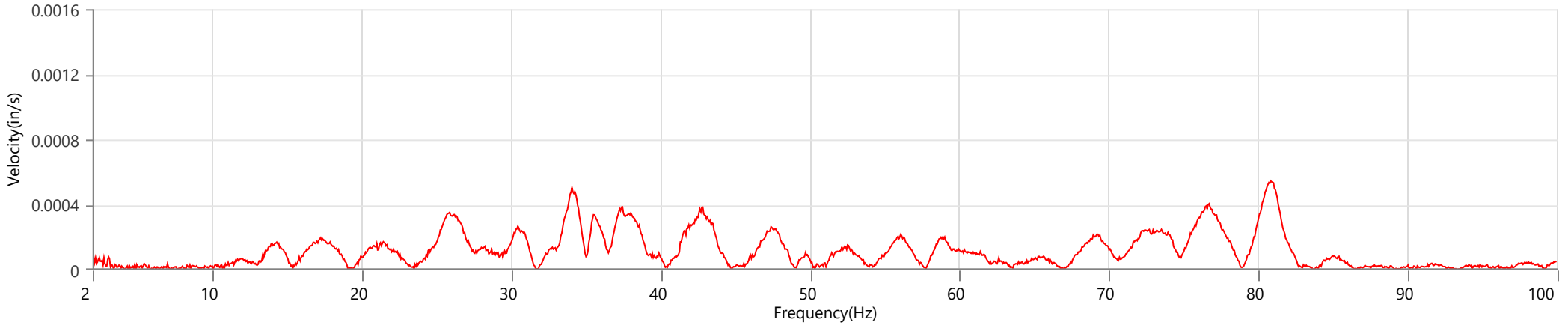
Notes

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

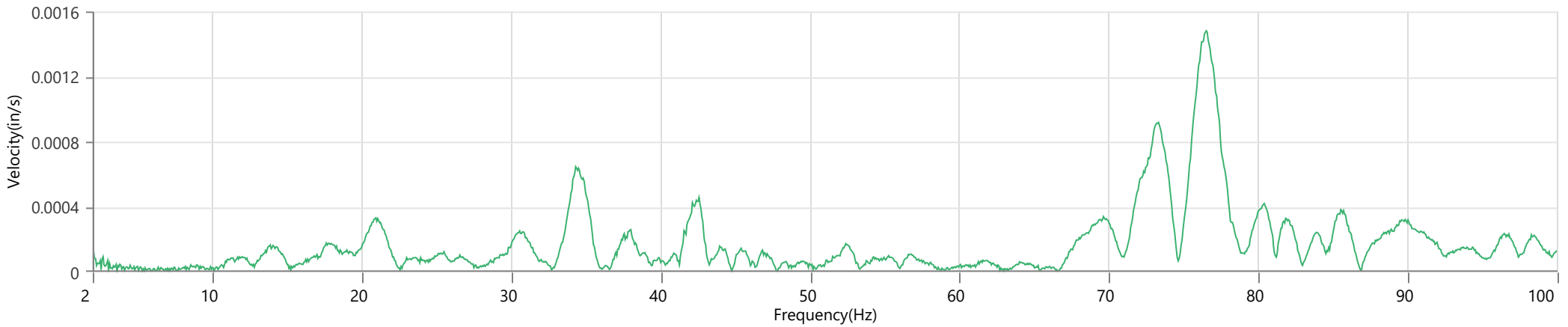
Extended Note N30.49650 W21572

Post Event Notes No text to be displayed.

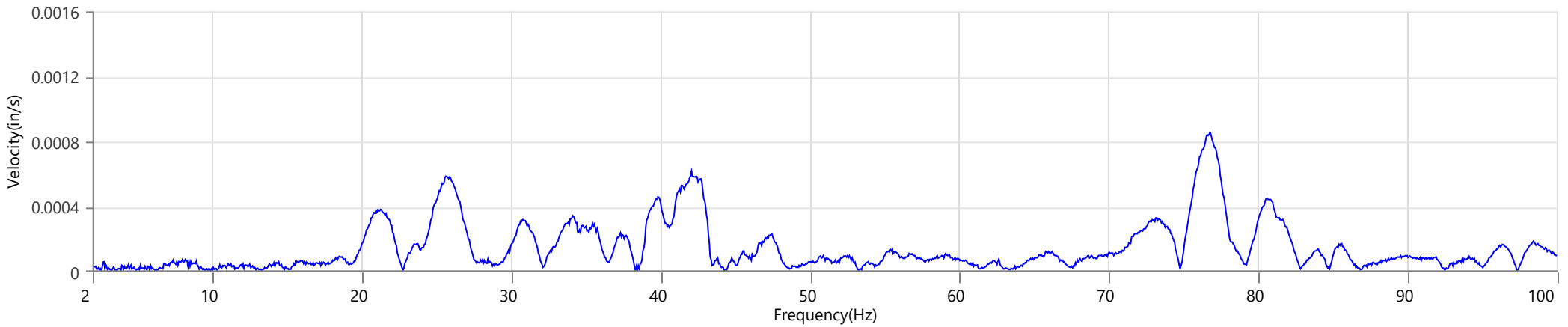
Tran - Dominant Frequency 80.8 Hz, Amplitude 0.0005 in/s (Peak Particle Velocity: 0.0472 in/s)



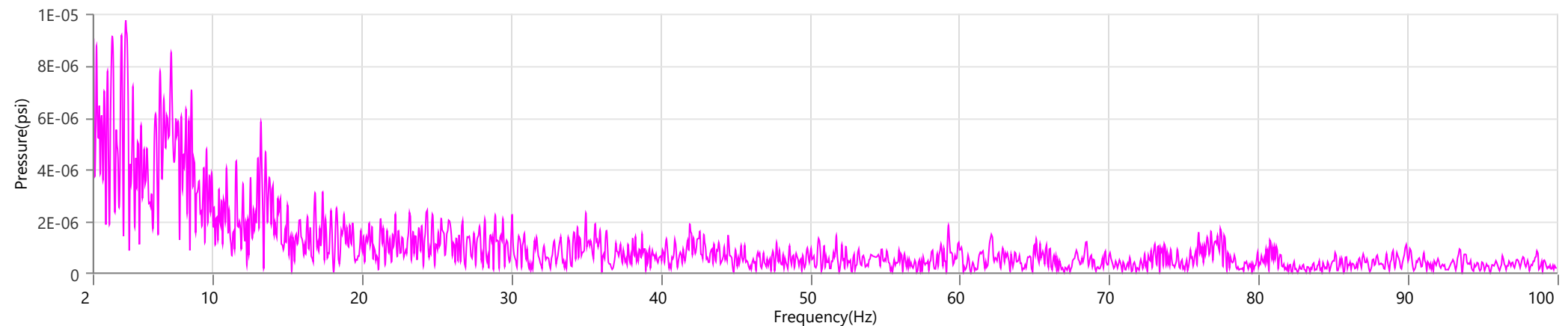
Vert - Dominant Frequency 76.5 Hz, Amplitude 0.0015 in/s (Peak Particle Velocity: 0.0757 in/s)



Long - Dominant Frequency 76.8 Hz, Amplitude 0.0009 in/s (Peak Particle Velocity: 0.0611 in/s)



Mic - Dominant Frequency 4.2 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000340 psi)



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Operator

Long at July 2, 2024 09:47:49
 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_20240702094749.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

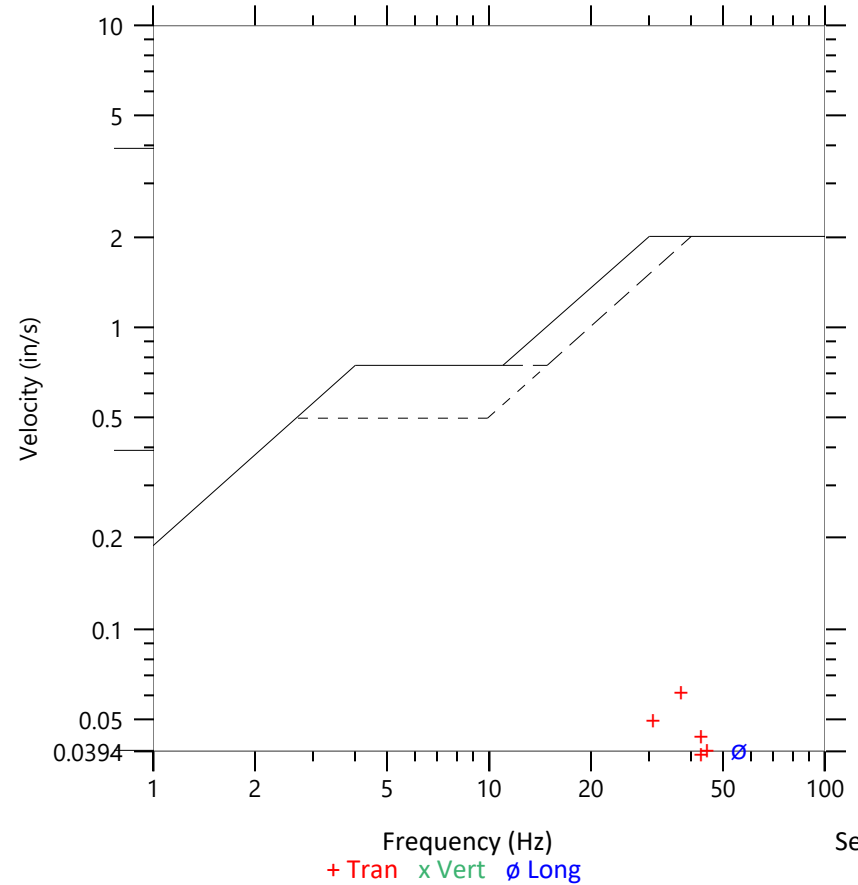
	Tran	Vert	Long
Peak Particle Velocity	0.0633 in/s	0.0388 in/s	0.0410 in/s
Zero Crossing Frequency	37.2 Hz	89.0 Hz	55.4 Hz
Time (Relative to Trigger)	0.097 sec	0.098 sec	0.214 sec
Peak Acceleration	0.069 g	0.069 g	0.059 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.9 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.8	4.1	4.8

Peak Vector Sum 0.0712 in/s at 0.097 sec

ISEE Linear Microphone

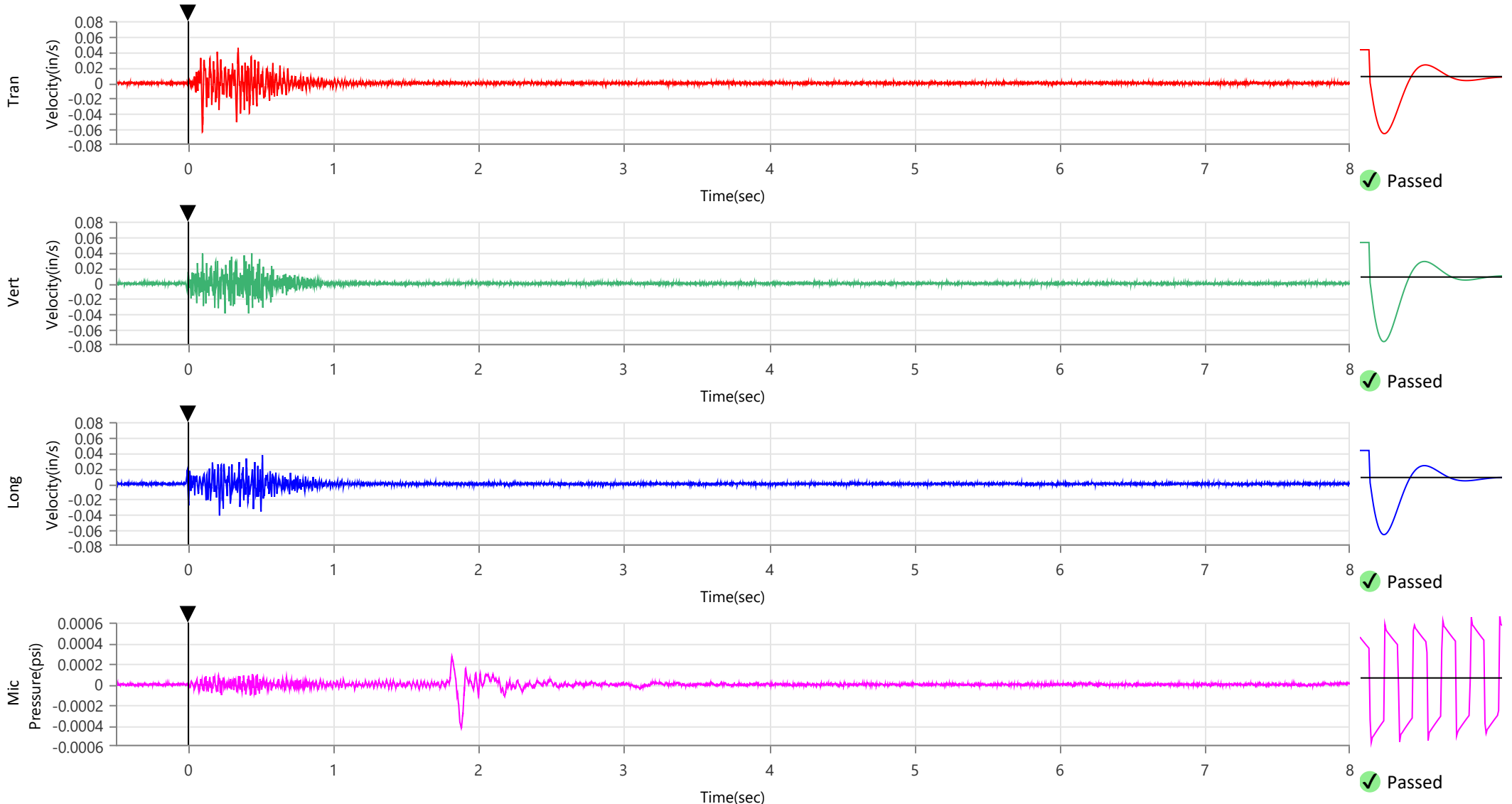
Peak Sound Pressure Level 0.000423 psi
 Peak Sound Pressure Level 103.3 dB(L)
 Time (Relative to Trigger) 1.880 sec
 Zero Crossing Frequency 8.9 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1252 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Sensor Check

+ Tran x Vert o Long



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

Long at July 2, 2024 09:47:49
 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_20240702094749.IDFW
 Disabled

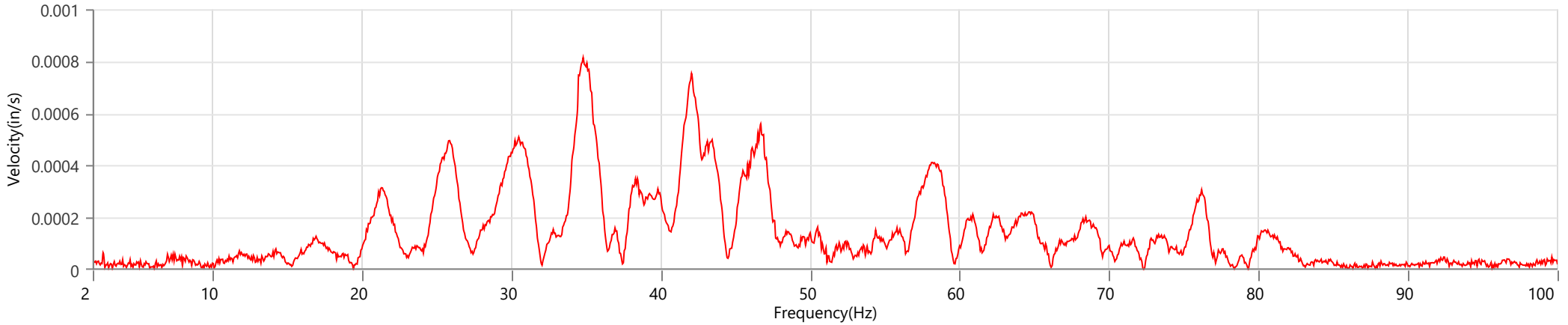
Notes

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

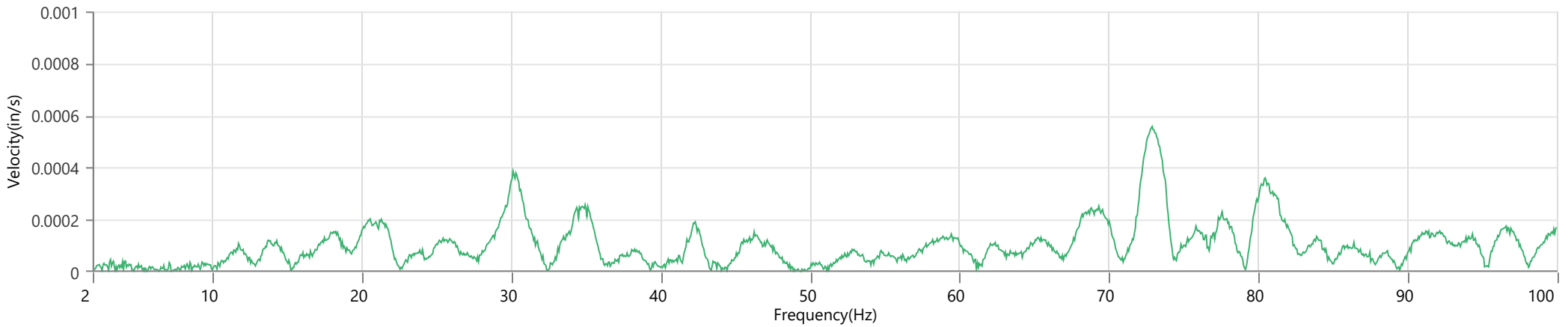
Extended Note N30.49742 W98.21566

Post Event Notes No text to be displayed.

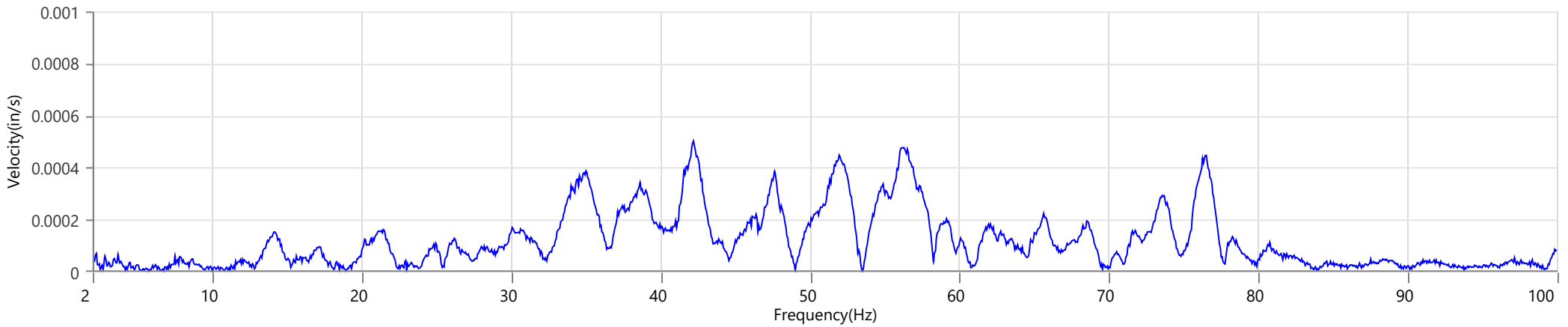
Tran - Dominant Frequency 34.8 Hz, Amplitude 0.0008 in/s (Peak Particle Velocity: 0.0633 in/s)



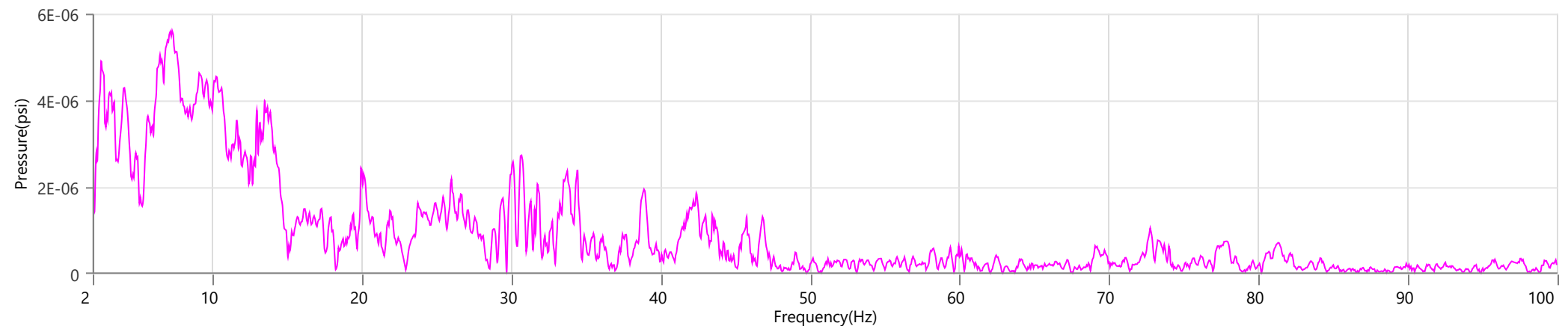
Vert - Dominant Frequency 72.9 Hz, Amplitude 0.0006 in/s (Peak Particle Velocity: 0.0388 in/s)



Long - Dominant Frequency 42.2 Hz, Amplitude 0.0005 in/s (Peak Particle Velocity: 0.0410 in/s)



Mic - Dominant Frequency 7.3 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000423 psi)



Waveform Trigger Source
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Sample Rate
Setup File Name
Operator

Long at July 2, 2024 09:47:48
 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_20240702094748.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

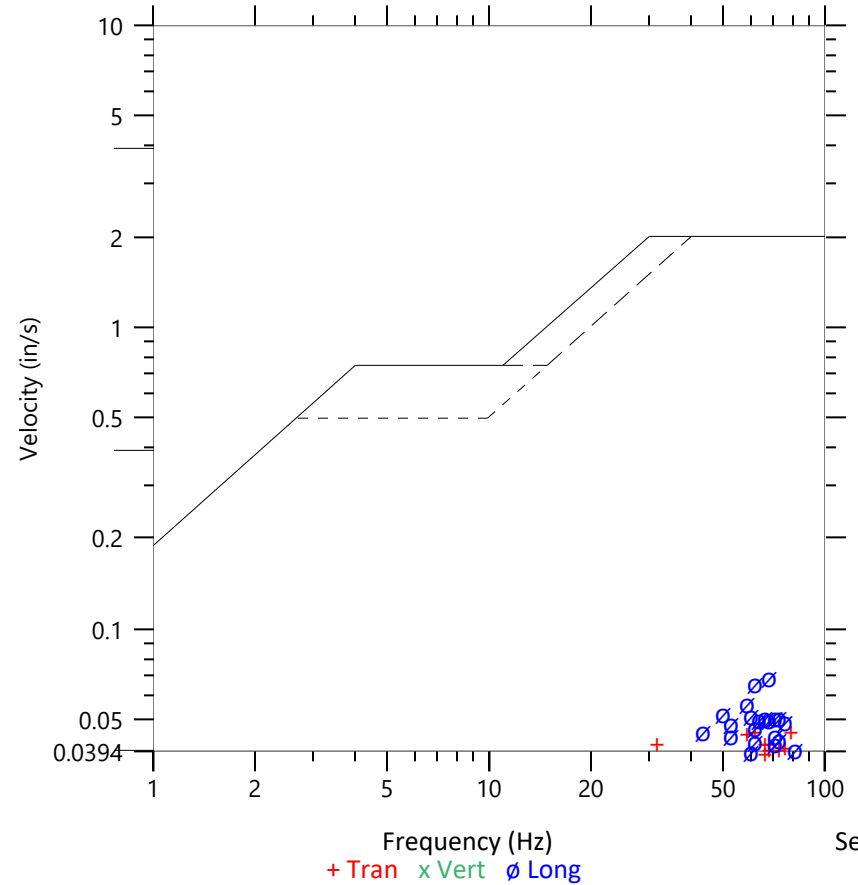
	Tran	Vert	Long
Peak Particle Velocity	0.0469 in/s	0.0341 in/s	0.0704 in/s
Zero Crossing Frequency	78.8 Hz	97.5 Hz	68.3 Hz
Time (Relative to Trigger)	0.178 sec	0.430 sec	0.452 sec
Peak Acceleration	0.066 g	0.066 g	0.086 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	3.1	3.3	3.7

Peak Vector Sum 0.0712 in/s at 0.445 sec

ISEE Linear Microphone

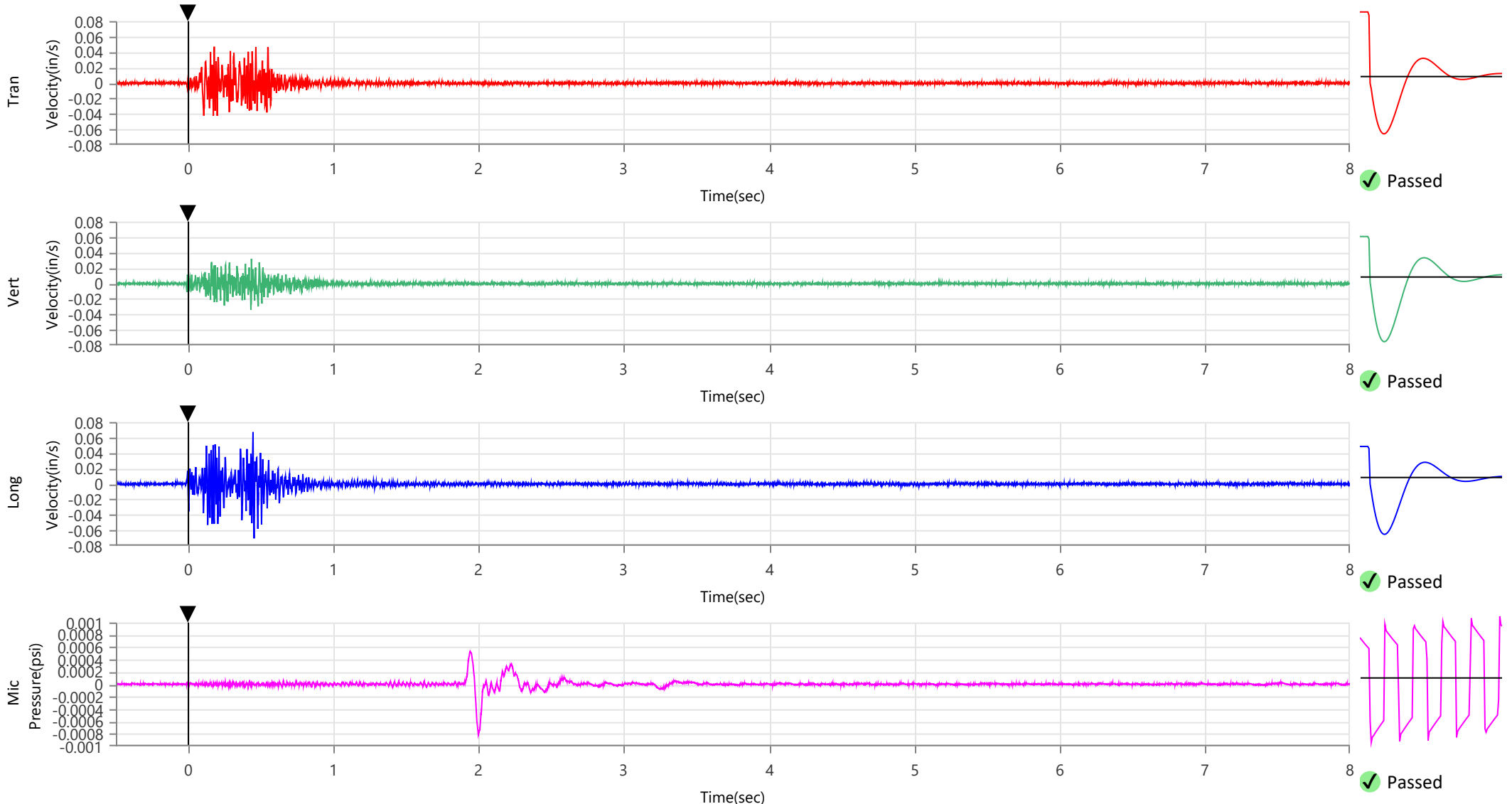
Peak Sound Pressure Level 0.000808 psi
 Peak Sound Pressure Level 108.9 dB(L)
 Time (Relative to Trigger) 1.996 sec
 Zero Crossing Frequency 6.9 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1256 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Sensor Check

+ Tran x Vert o Long



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

Long at July 2, 2024 09:47:48
 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_20240702094748.IDFW
 Disabled

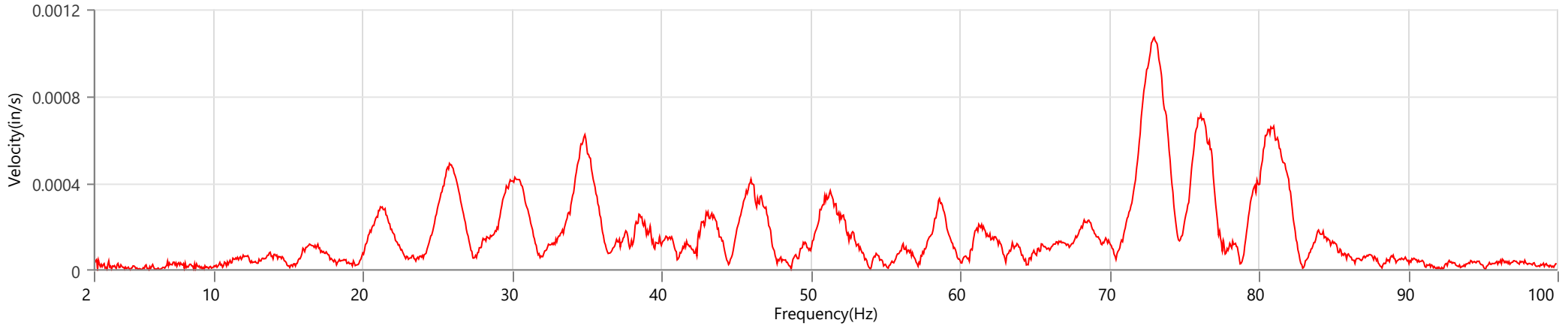
Notes

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

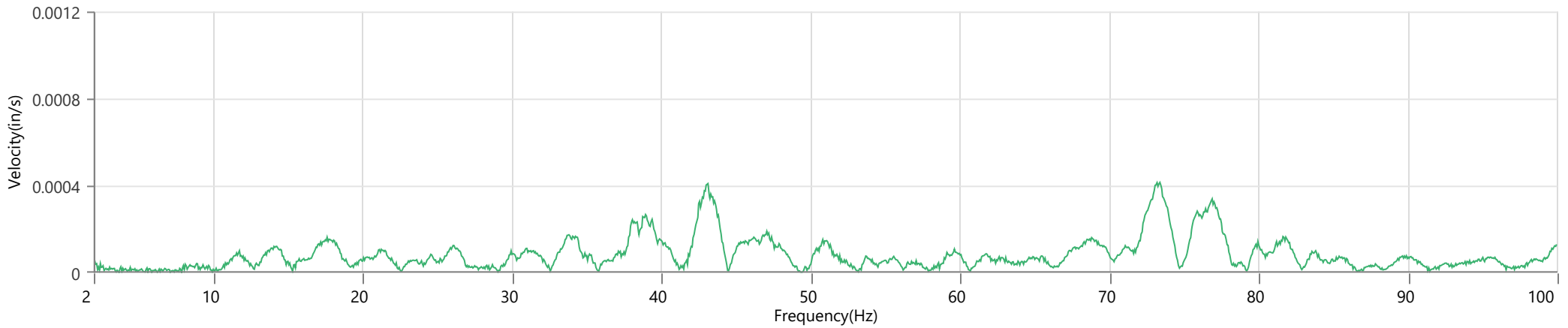
Extended Note N30.49821 W98.21578

Post Event Notes No text to be displayed.

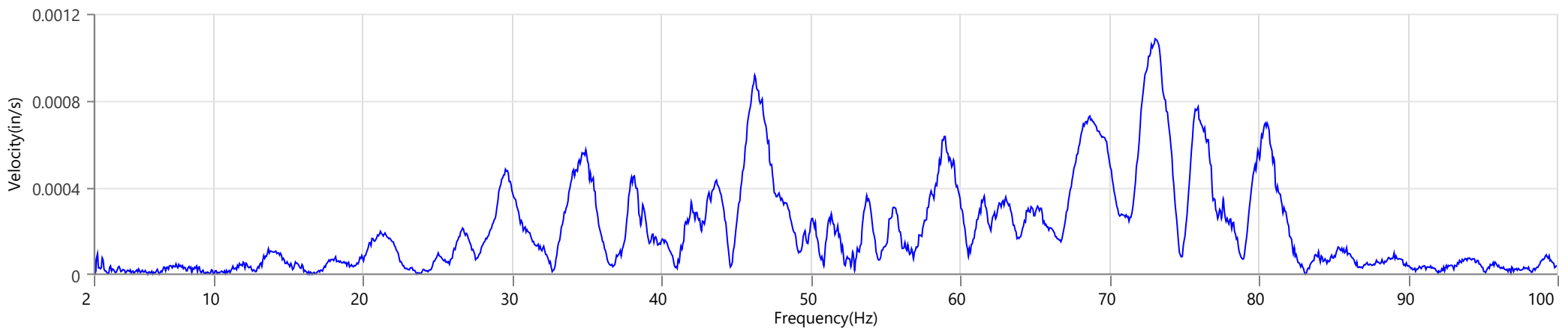
Tran - Dominant Frequency 73.0 Hz, Amplitude 0.0011 in/s (Peak Particle Velocity: 0.0469 in/s)



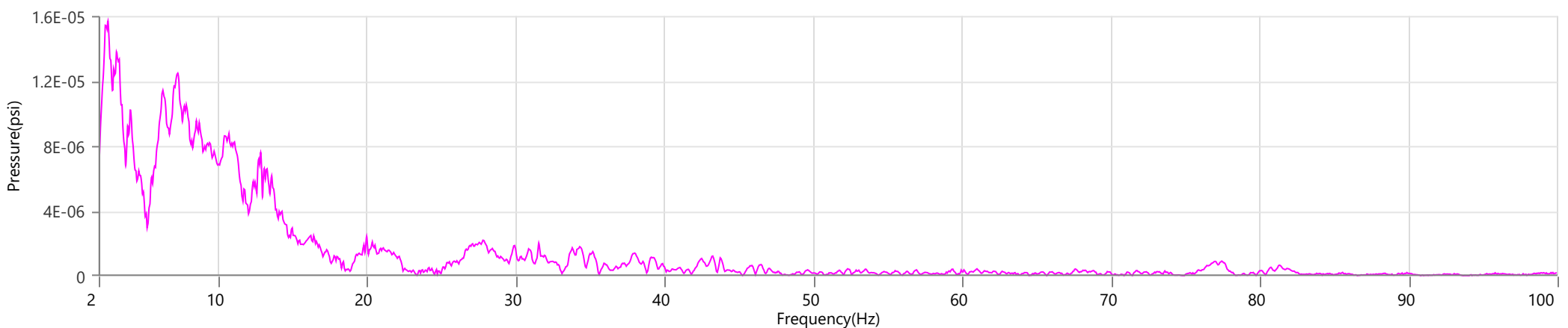
Vert - Dominant Frequency 73.4 Hz, Amplitude 0.0004 in/s (Peak Particle Velocity: 0.0341 in/s)



Long - Dominant Frequency 73.1 Hz, Amplitude 0.0011 in/s (Peak Particle Velocity: 0.0704 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.000808 psi)



Waveform Trigger Source
Trigger Level(s)
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Operator

Long at July 2, 2024 09:47:48
 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_20240702094748.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

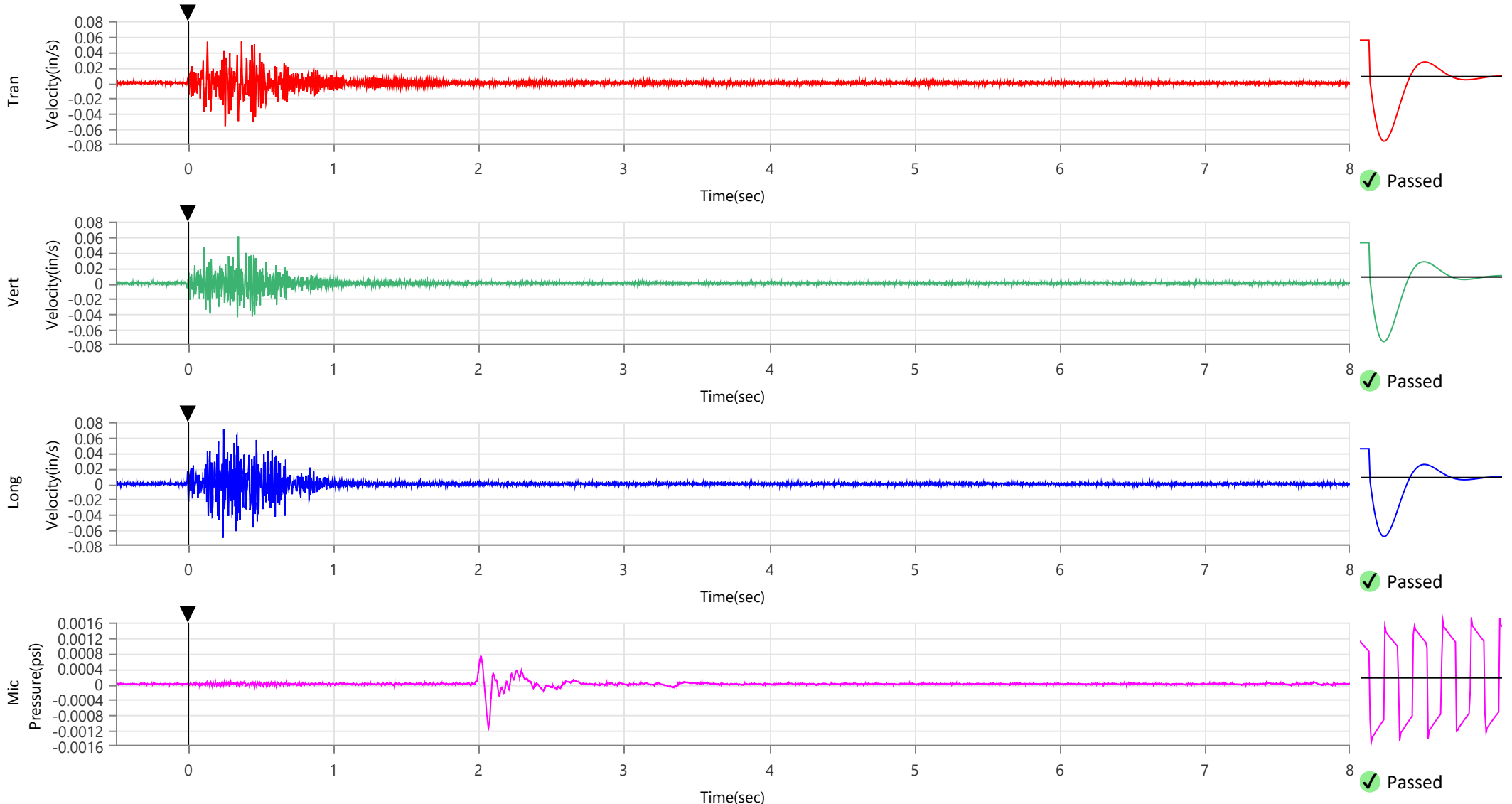
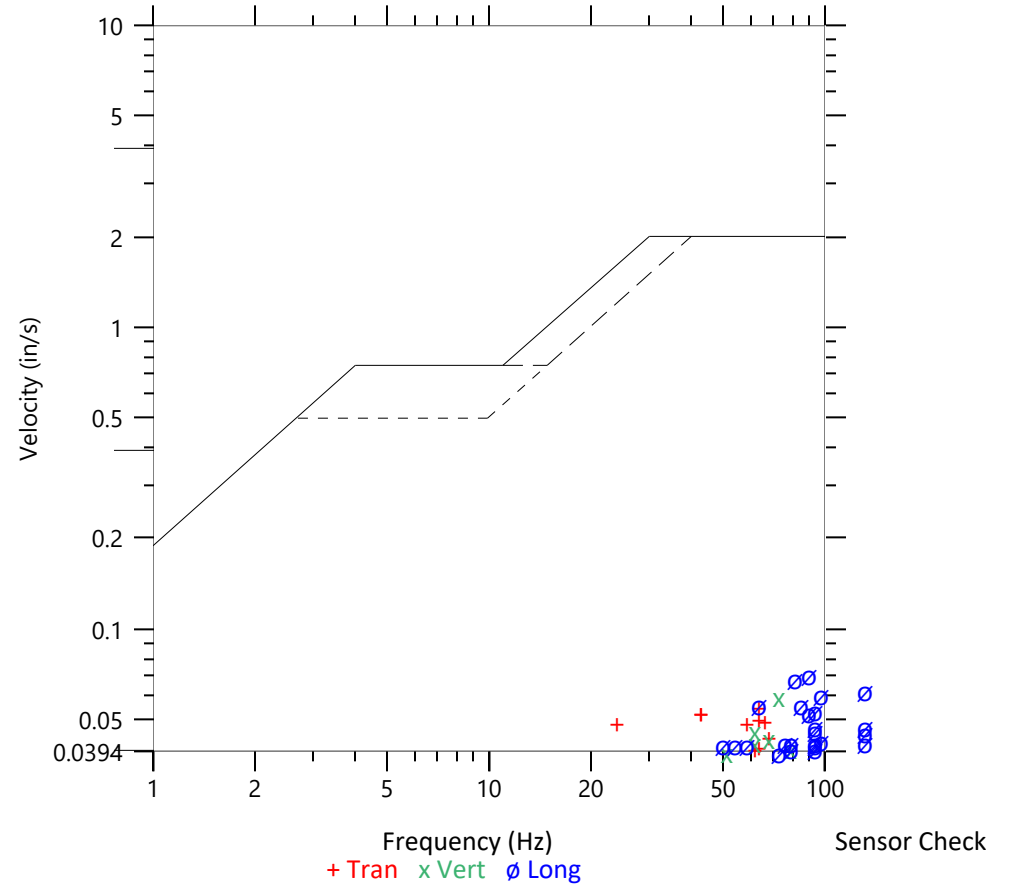
	Tran	Vert	Long
Peak Particle Velocity	0.0559 in/s	0.0608 in/s	0.0711 in/s
Zero Crossing Frequency	64.0 Hz	70.6 Hz	89.0 Hz
Time (Relative to Trigger)	0.254 sec	0.344 sec	0.244 sec
Peak Acceleration	0.059 g	0.086 g	0.115 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.4	4.2	4.5

Peak Vector Sum 0.0830 in/s at 0.448 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001123 psi
 Peak Sound Pressure Level 111.8 dB(L)
 Time (Relative to Trigger) 2.067 sec
 Zero Crossing Frequency 9.6 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1280 mv

USBM R18507 And OSMRE
Velocity versus Frequency (Zero Crossing)



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

Long at July 2, 2024 09:47:48
 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_20240702094748.IDFW
 Disabled

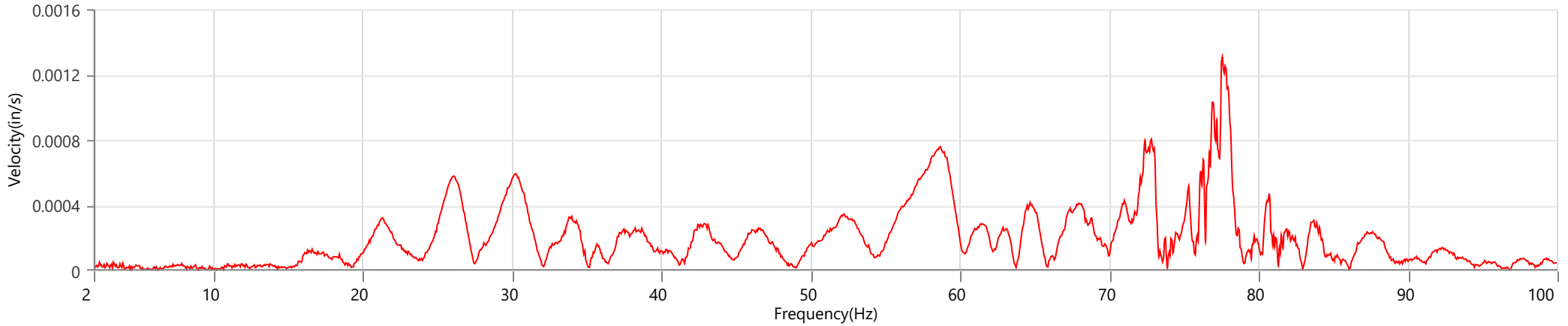
Notes

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

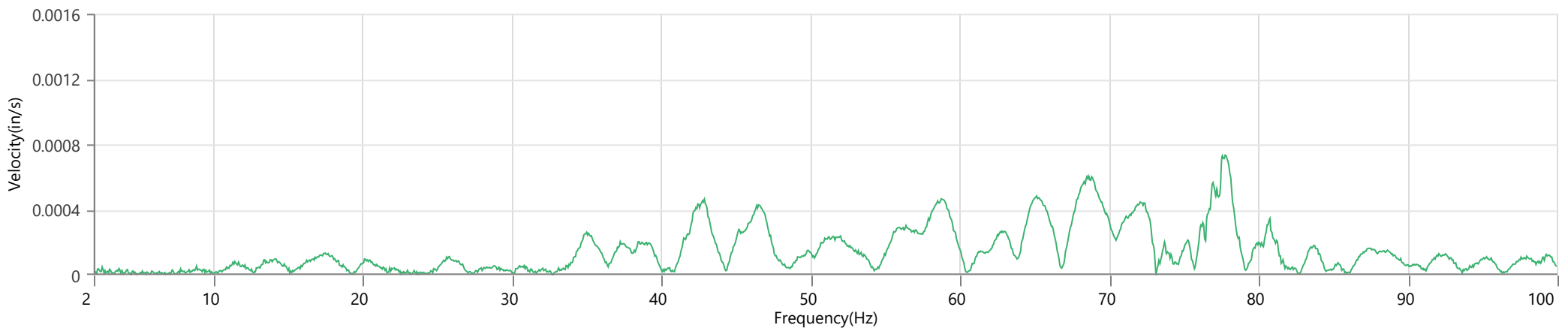
Extended Note N30.49911 W98.21538

Post Event Notes No text to be displayed.

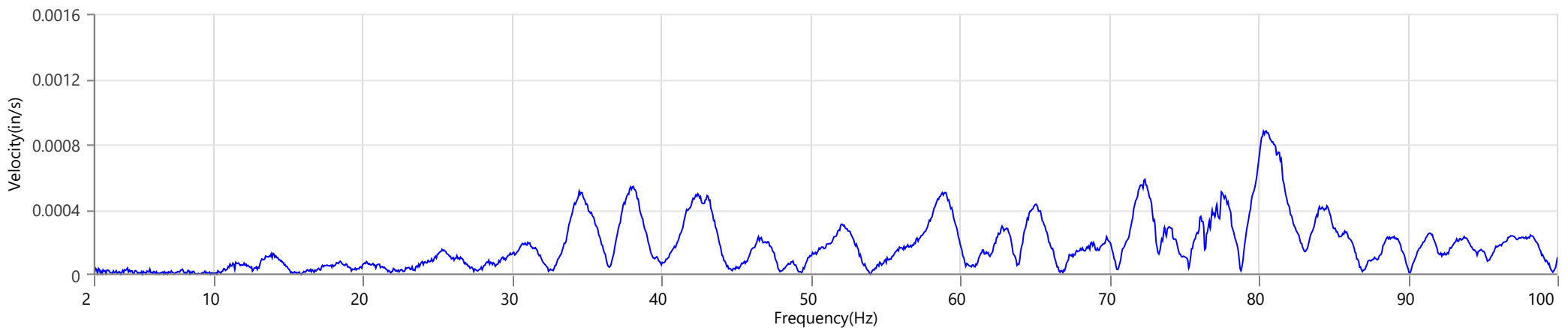
Tran - Dominant Frequency 77.6 Hz, Amplitude 0.0013 in/s (Peak Particle Velocity: 0.0559 in/s)



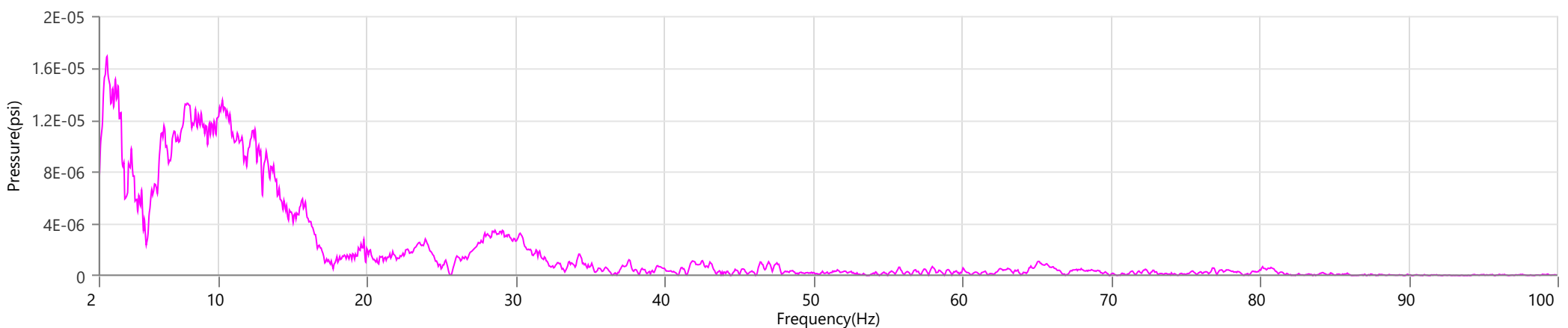
Vert - Dominant Frequency 77.8 Hz, Amplitude 0.0007 in/s (Peak Particle Velocity: 0.0608 in/s)



Long - Dominant Frequency 80.5 Hz, Amplitude 0.0009 in/s (Peak Particle Velocity: 0.0711 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.001123 psi)



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

Long at July 2, 2024 09:47:48
 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_20240702094748.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

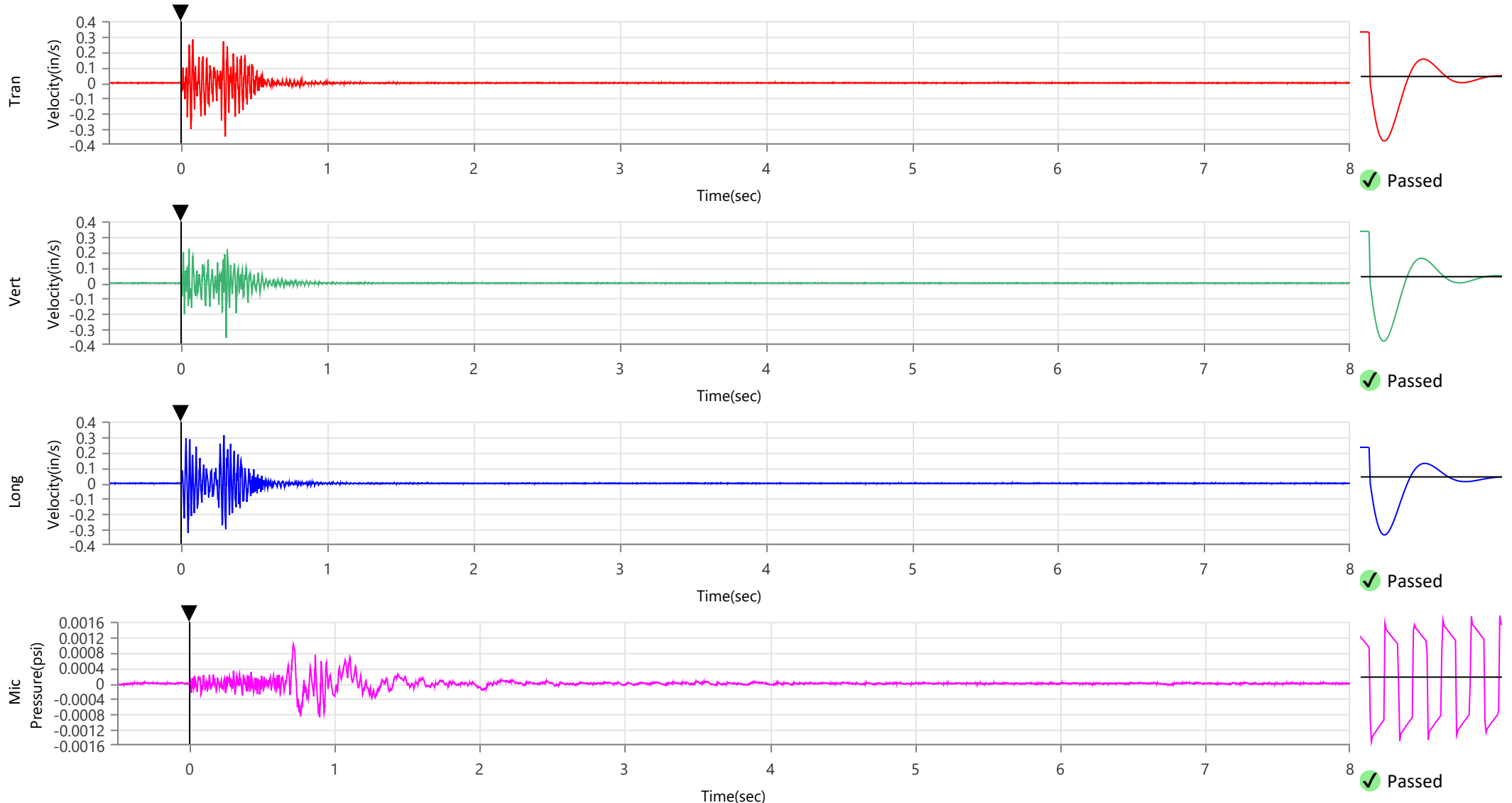
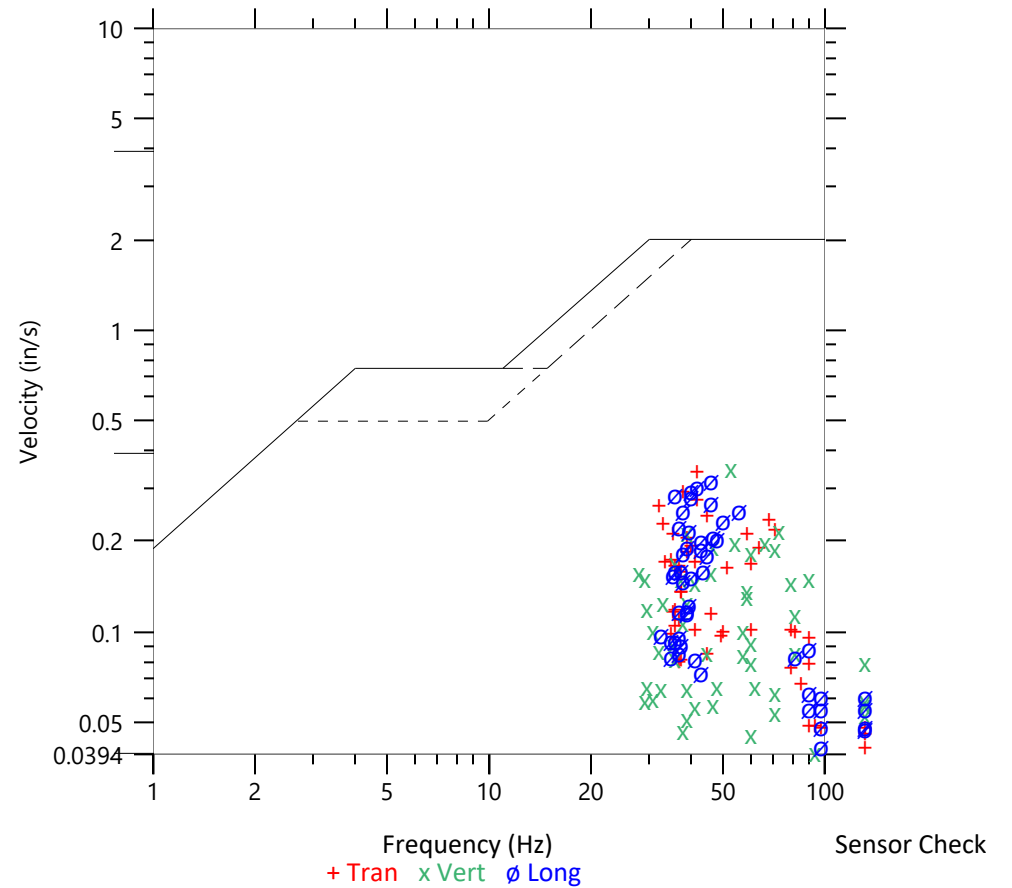
	Tran	Vert	Long
Peak Particle Velocity	0.3475 in/s	0.3553 in/s	0.3209 in/s
Zero Crossing Frequency	41.8 Hz	52.5 Hz	45.5 Hz
Time (Relative to Trigger)	0.298 sec	0.304 sec	0.044 sec
Peak Acceleration	0.290 g	0.392 g	0.323 g
Peak Displacement	0.001 in	0.001 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.7 Hz	7.1 Hz
Overswing Ratio	3.7	3.4	4.2

Peak Vector Sum 0.4424 in/s at 0.304 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001008 psi
 Peak Sound Pressure Level 110.8 dB(L)
 Time (Relative to Trigger) 0.715 sec
 Zero Crossing Frequency 13.1 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1246 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 July 2, 2024 09:47:48
 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_20240702094748.IDFW
 Disabled

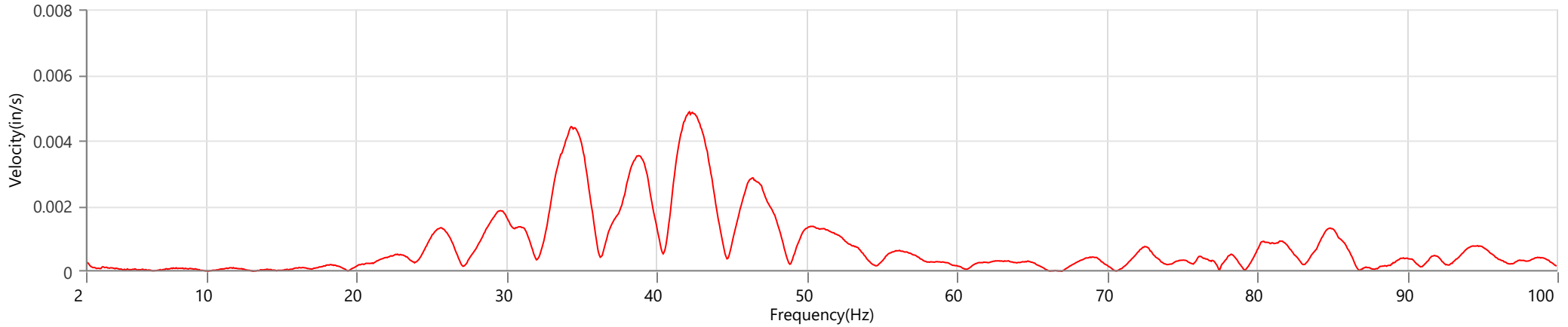
Notes

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

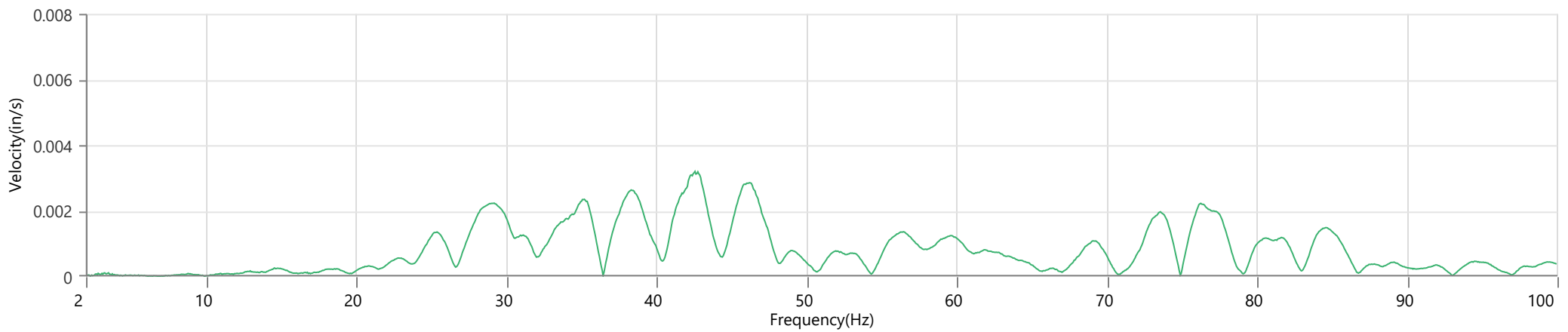
Extended Note N30.495113 W98.206539

Post Event Notes No text to be displayed.

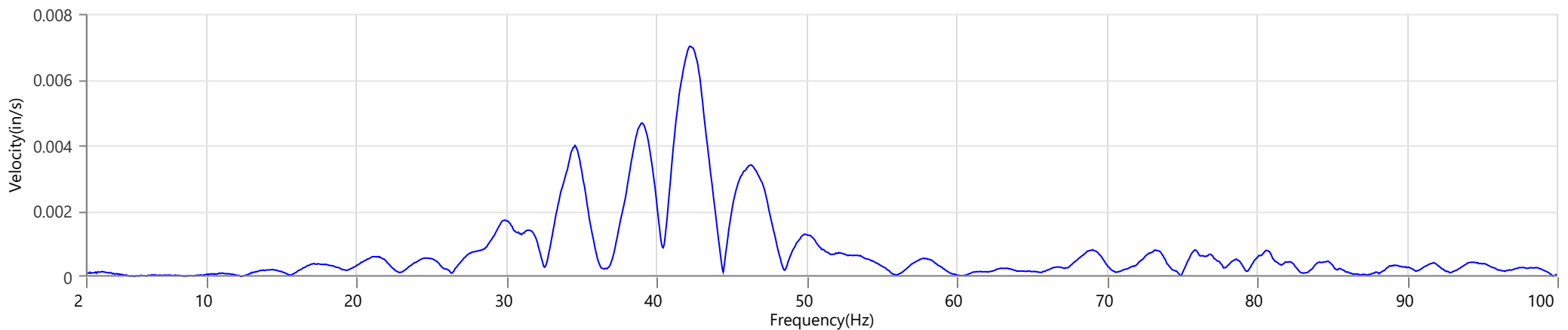
Tran - Dominant Frequency 42.2 Hz, Amplitude 0.0049 in/s (Peak Particle Velocity: 0.3475 in/s)



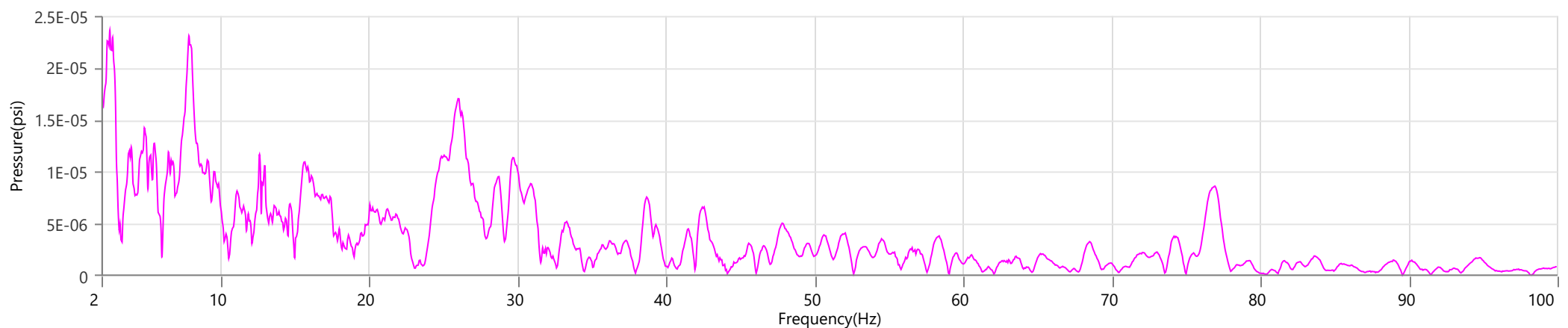
Vert - Dominant Frequency 42.6 Hz, Amplitude 0.0032 in/s (Peak Particle Velocity: 0.3553 in/s)



Long - Dominant Frequency 42.2 Hz, Amplitude 0.0070 in/s (Peak Particle Velocity: 0.3209 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.001008 psi)



Start July 2, 2024 00:00:05
Finish July 2, 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 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_20240702000005.IDFH
USB Sensor Support Disabled

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

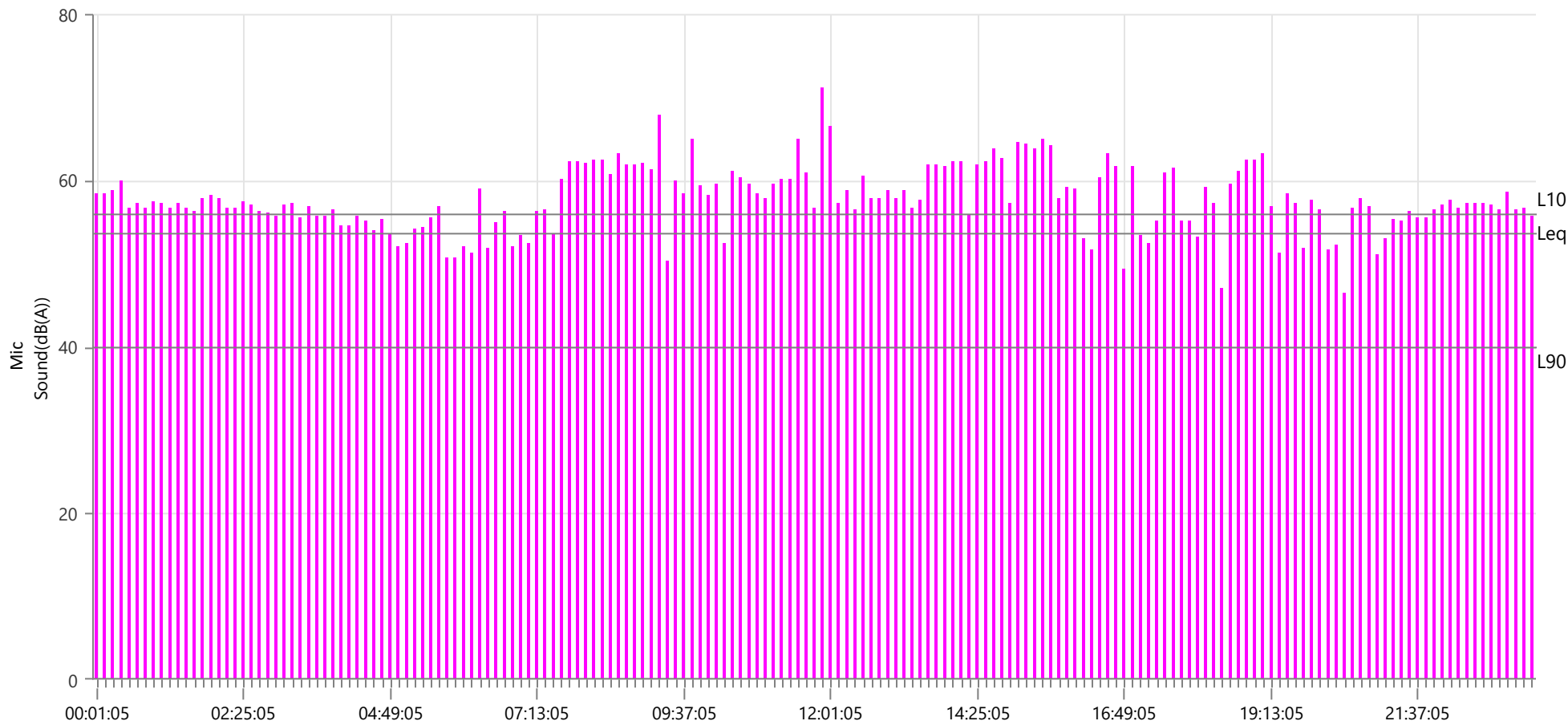
Extended Note Station 5N30.49911 W98.21538

Post Event Notes No text to be displayed.

Sound Level Microphone

A-Weight Slow
LMax 71.1 dB(A)
Date Jul 2, 2024
Time 11:54:05
LMin **L10** **L90** **Leq**
 31.6 56 40 53.5
Sensor Check ✔ Passed
Test Amplitude 992 mv

Sensor Check



Start July 2, 2024 00:00:05
Finish July 2, 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_20240702000005.IDFH
USB Sensor Support Disabled

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

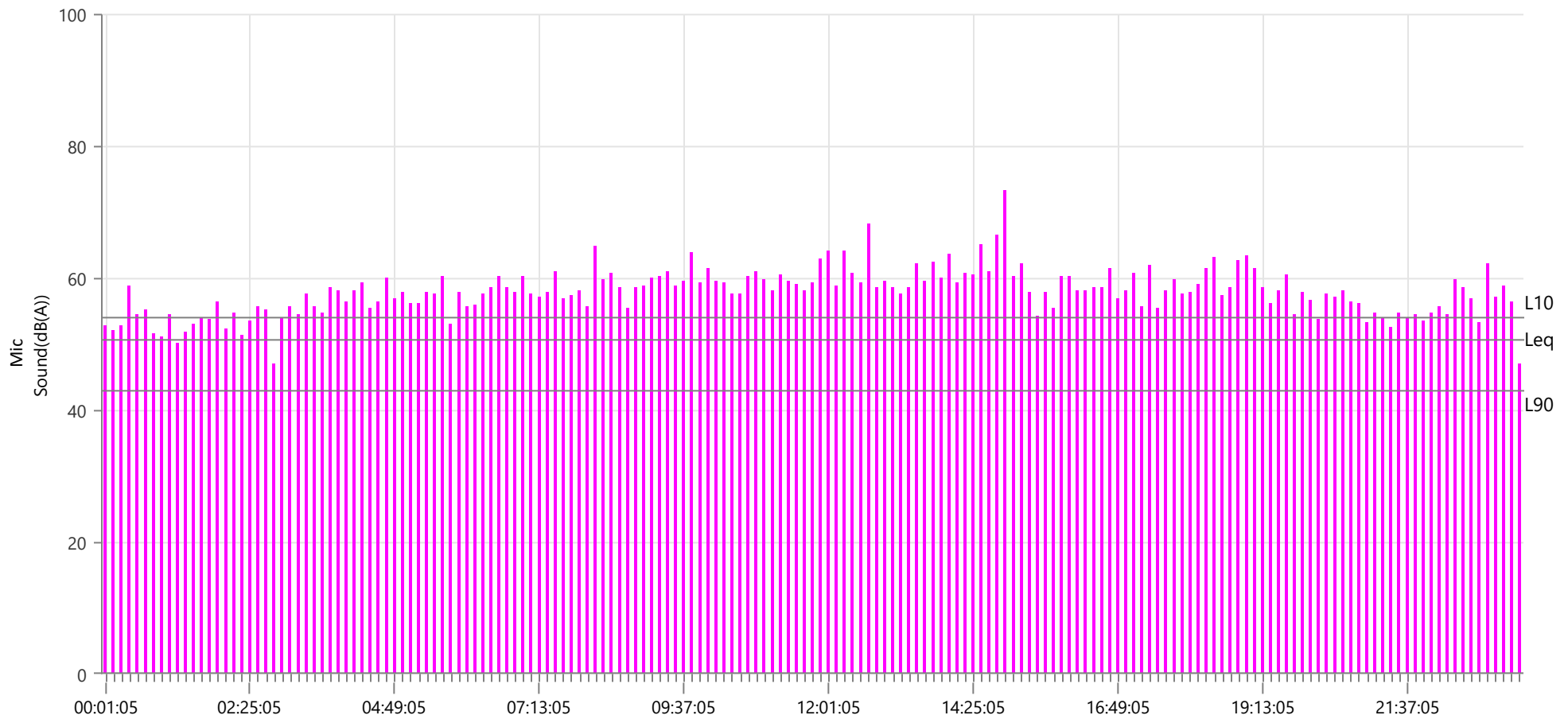
Extended Note N30.490958 W98.213495

Post Event Notes No text to be displayed.

Sound Level Microphone

A-Weight Slow
LMax 73.3 dB(A)
Date Jul 2, 2024
Time 15:00:05
LMin 31.2 **L10** 54 **L90** 43 **Leq** 50.7
Sound(dB(A))
Sensor Check Passed
Test Amplitude 1076 mv

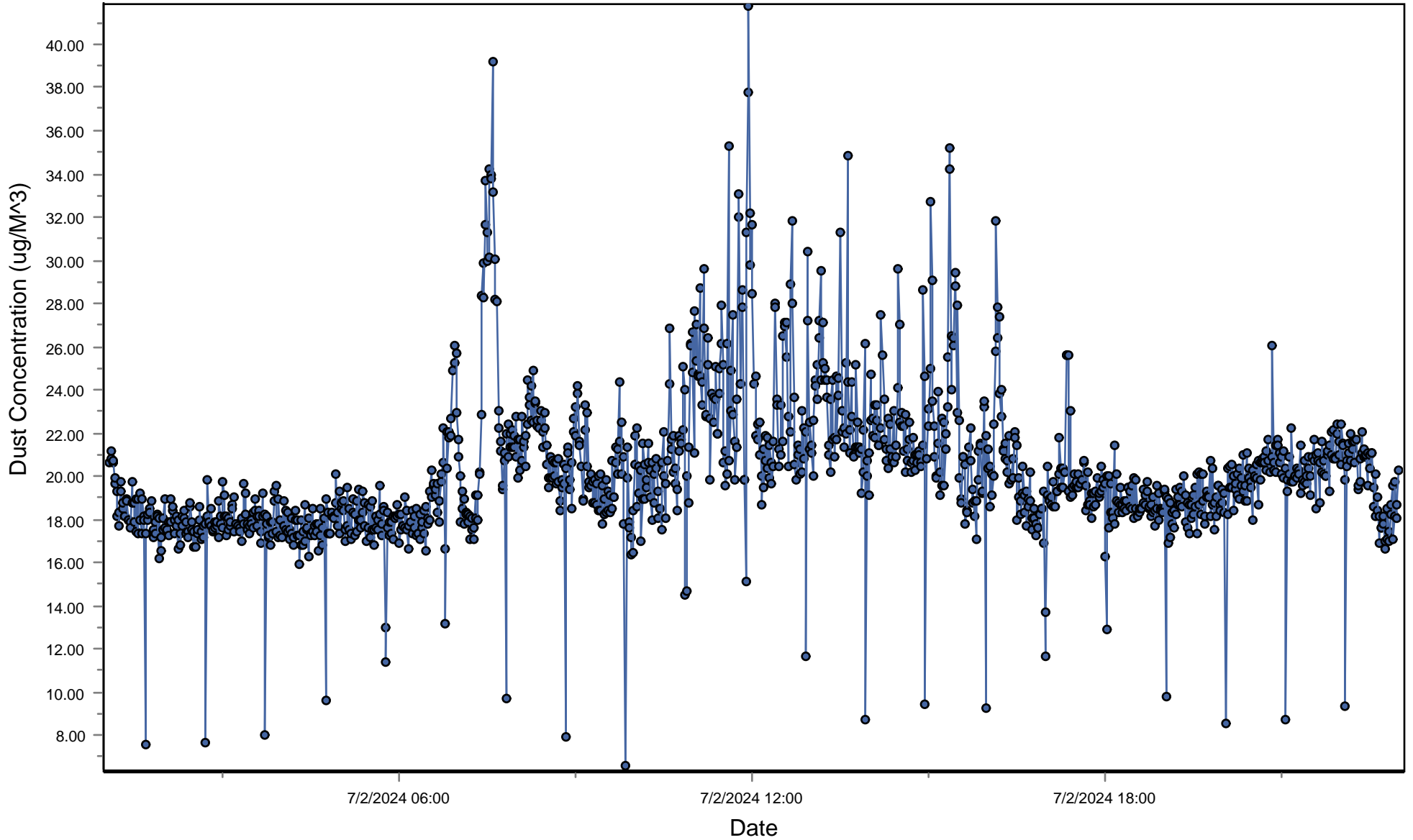
Sensor Check



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor

● D100@AvgPartL



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

● D100@AvgPartL

