

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

Vert at September 22, 2025 11:51:04
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

UM6427
Micromate ISEE 11.0AK
3.8 volts
March 19, 2025 by Instantel
UM6427_20250922115104.IDFW
Disabled

Notes
Location
Client
Company
General Notes

Station 2
Spicewood Crushed Stone
Hwy 71
IGS, Inc

Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran
0.0928 in/s
51.2 Hz
0.357 sec
0.089 g
0.000 in
✓ Passed
7.3 Hz
3.9

Vert
0.1154 in/s
55.4 Hz
0.426 sec
0.105 g
0.000 in
✓ Passed
7.7 Hz
3.6

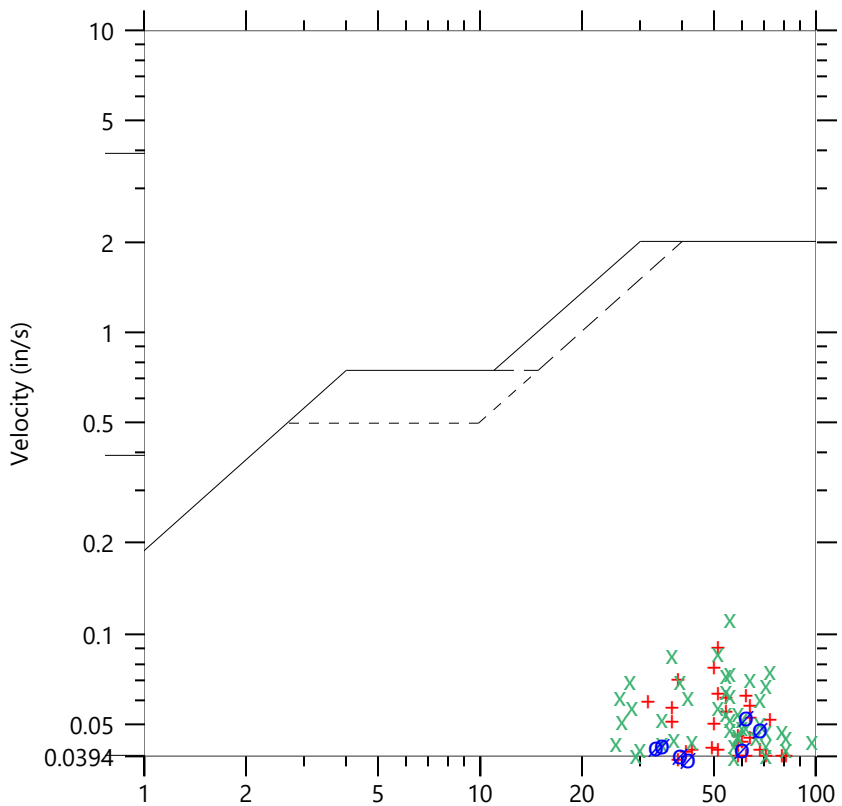
Long
0.0546 in/s
62.1 Hz
0.425 sec
0.086 g
0.000 in
✓ Passed
7.1 Hz
5.0

Peak Vector Sum 0.1312 in/s at 0.426 sec

ISEE Linear Microphone
Peak Sound Pressure Level
Peak Sound Pressure Level
Time (Relative to Trigger)
Zero Crossing Frequency
Sensor Check
Frequency
Test Amplitude

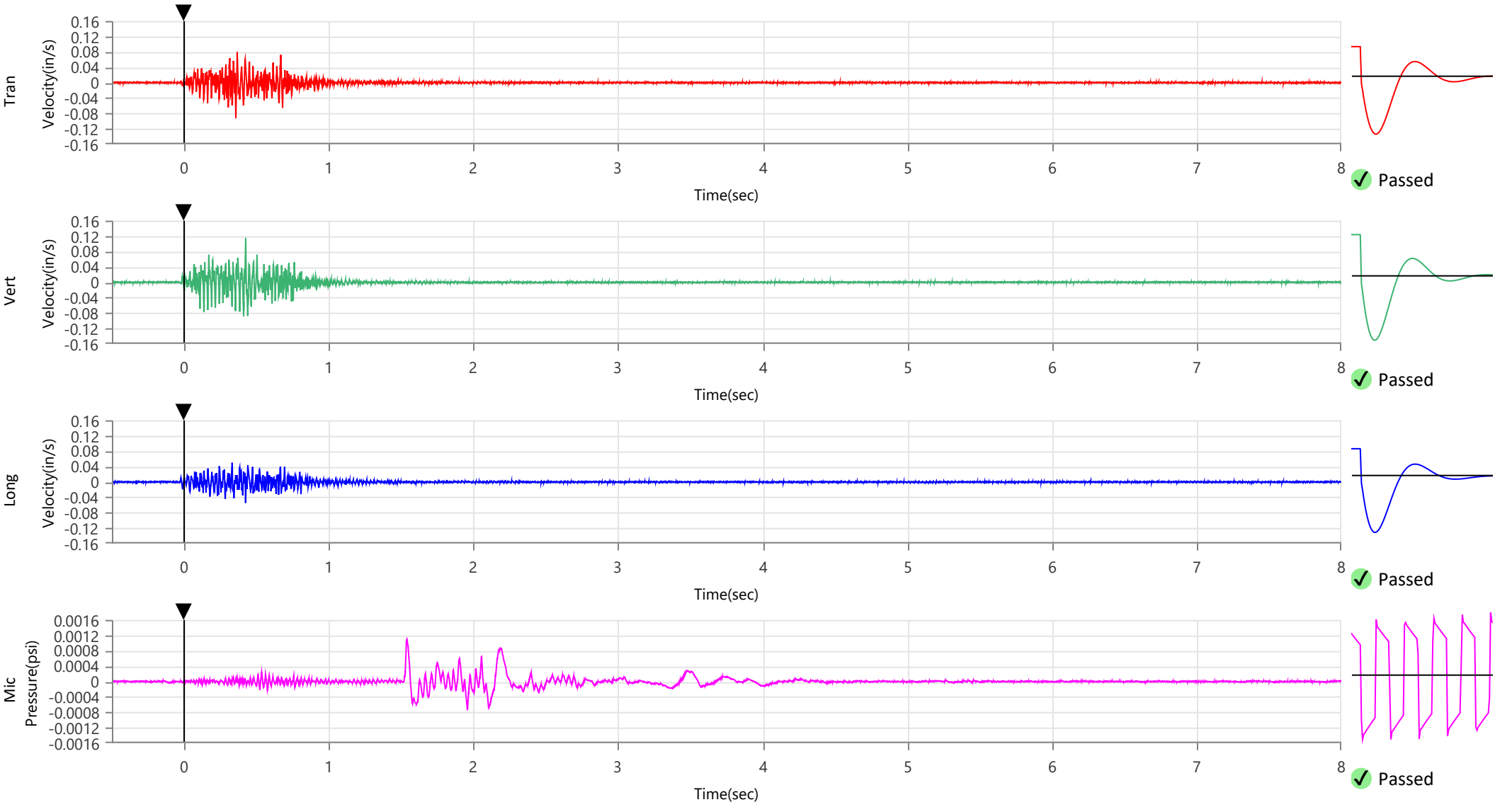
0.001094 psi
111.5 dB(L)
1.541 sec
11.6 Hz
✓ Passed
20.5 Hz
1294 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
+ Tran x Vert o Long

Sensor Check



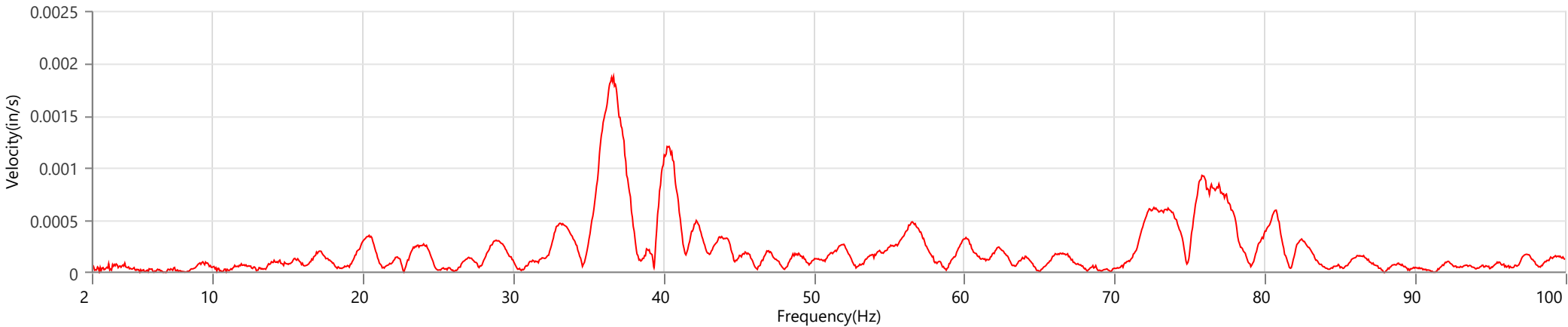
Waveform Trigger Source Vert at September 22, 2025 11:51:04
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

Serial Number UM6427
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration March 19, 2025 by Instantel
Event File Name UM6427_20250922115104.IDFW
USB Sensor Support Disabled

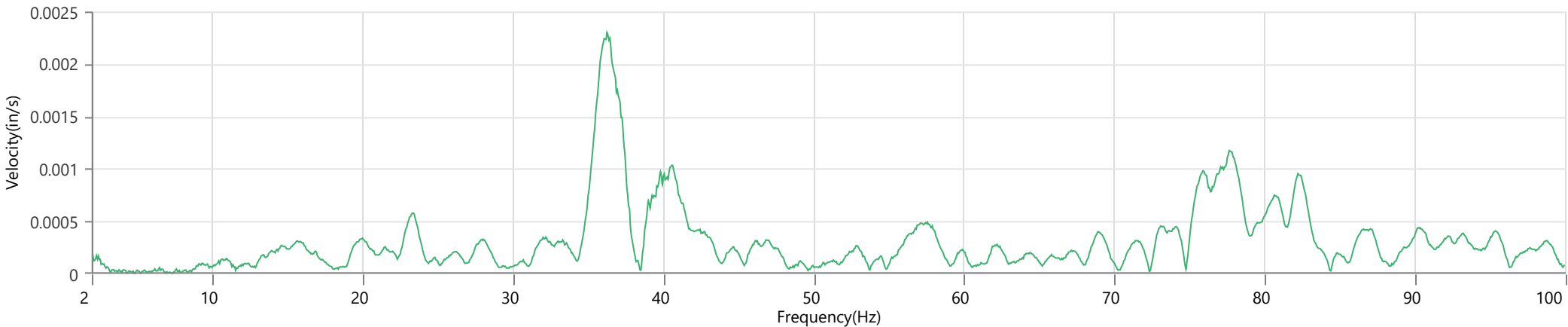
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

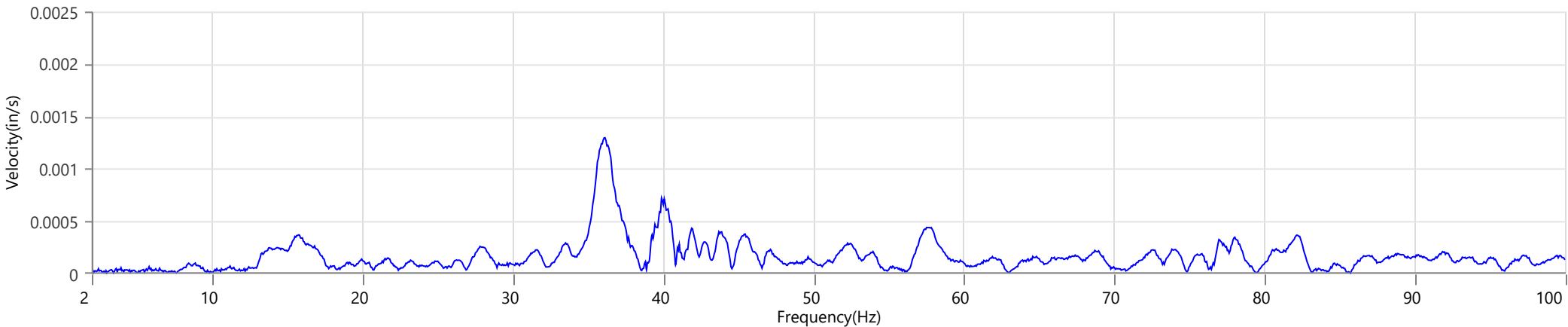
Tran - Dominant Frequency 36.7 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.0928 in/s)



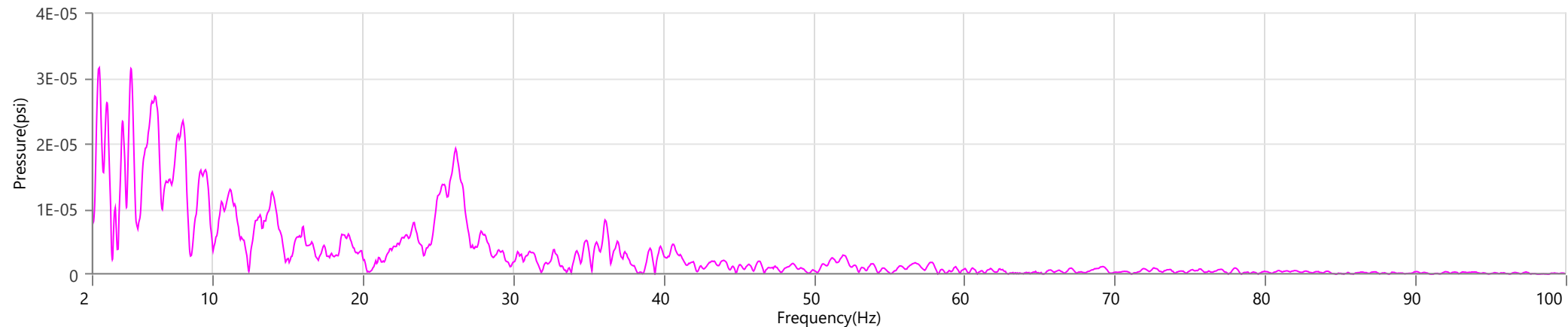
Vert - Dominant Frequency 36.2 Hz, Amplitude 0.0023 in/s (Peak Particle Velocity: 0.1154 in/s)



Long - Dominant Frequency 36.1 Hz, Amplitude 0.0013 in/s (Peak Particle Velocity: 0.0546 in/s)



Mic - Dominant Frequency 2.5 Hz, Amplitude 0.00003 psi (Peak Sound Pressure Level: 0.001094 psi)



Waveform Trigger Source Long at September 22, 2025 11:51:04
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 3.mmb
Operator Operator

Serial Number UM20529
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration February 14, 2025 by Instantel
Event File Name UM20529_20250922115104.IDFW
USB Sensor Support Disabled

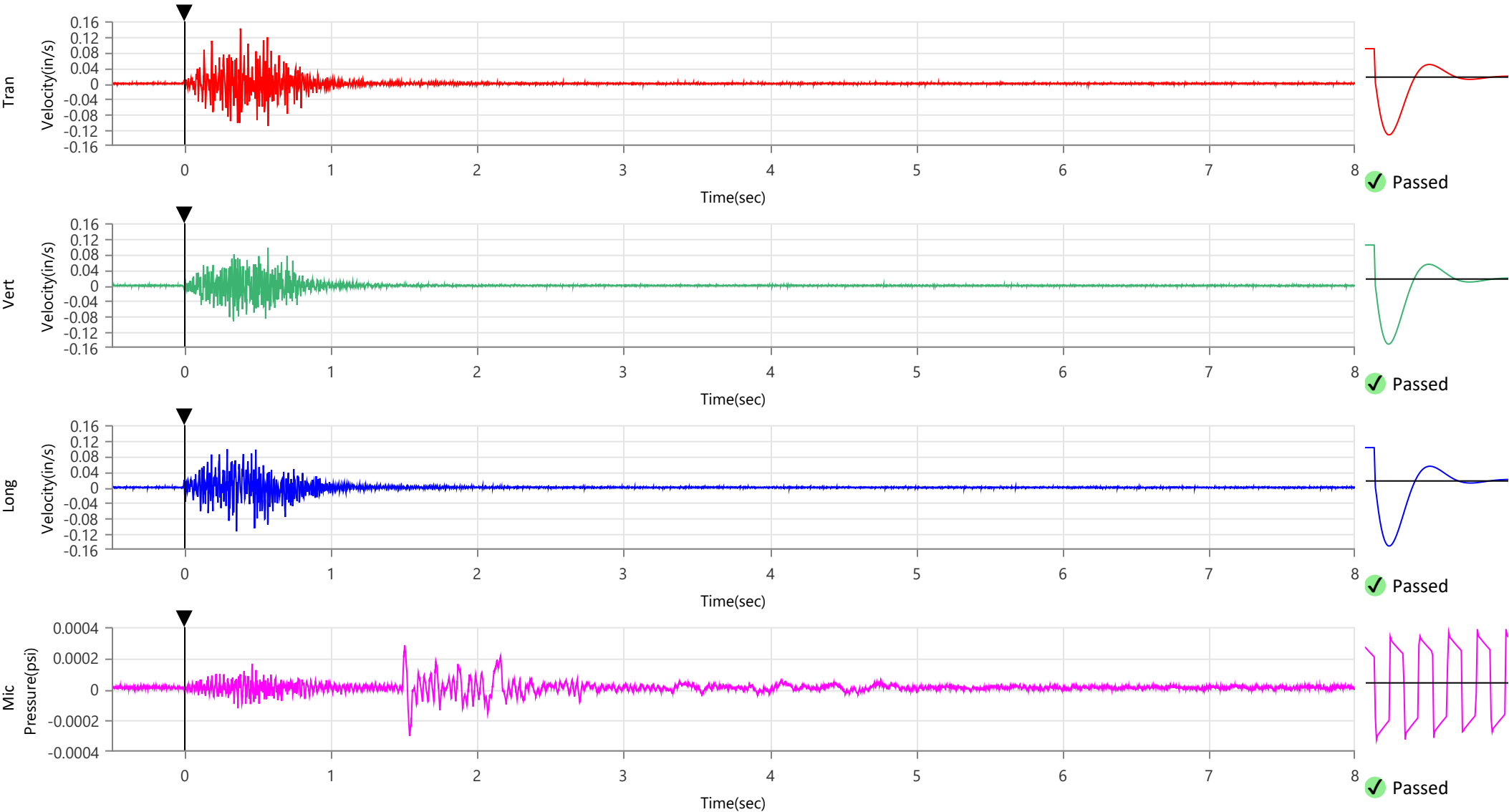
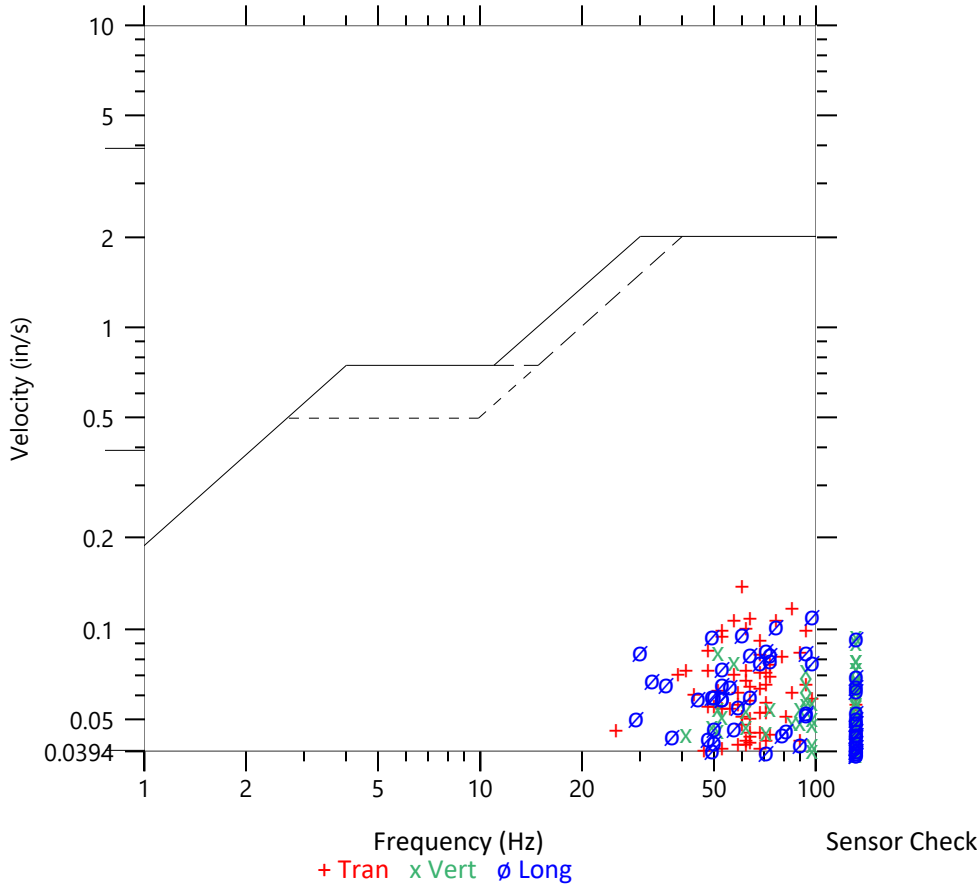
Notes
Location Station 3
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1415 in/s	0.0971 in/s	0.1130 in/s
Zero Crossing Frequency	60.2 Hz	>100 Hz	97.5 Hz
Time (Relative to Trigger)	0.381 sec	0.569 sec	0.354 sec
Peak Acceleration	0.207 g	0.204 g	0.184 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	4.5	4.4	4.4
Peak Vector Sum	0.1483 in/s at 0.569 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.000299 psi
Peak Sound Pressure Level 100.3 dB(L)
Time (Relative to Trigger) 1.537 sec
Zero Crossing Frequency 14.5 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1296 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)

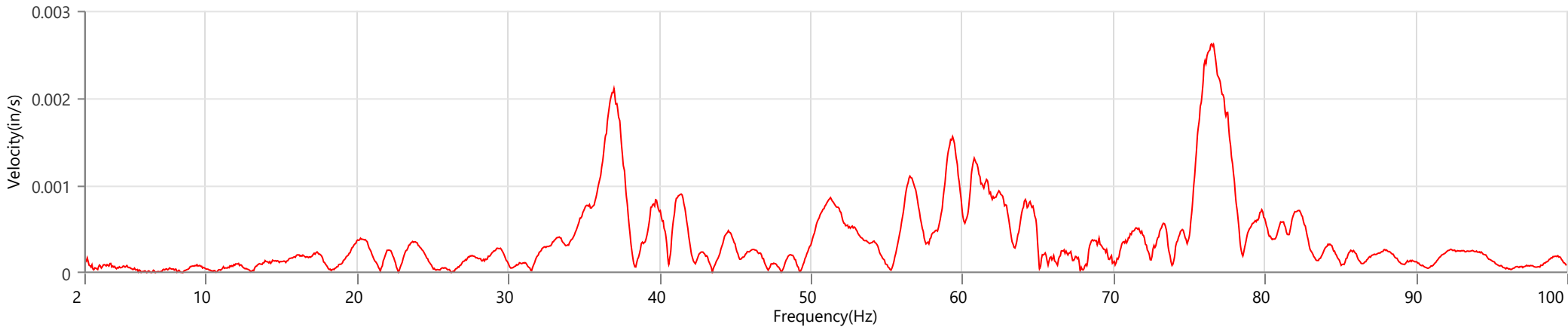


Waveform Trigger Source	Long at September 22, 2025 11:51:04	Serial Number	UM20529
Trigger Level(s)	Geo 0.0200 in/s	Model Number	Micromate ISEE 11.0AK
Trigger Level (Mic)	Mic 0.01029 psi, 131 dB(L)	Battery Level	3.8 volts
Pre-Trigger/Record Time	0.50 sec/8.0 sec (Fixed)	Unit Calibration	February 14, 2025 by Instantel
Sample Rate	4096 sps	Event File Name	UM20529_20250922115104.IDFW
Setup File Name	Spicewood Hwy 71 - Station 3.mmb	USB Sensor Support	Disabled
Operator	Operator		

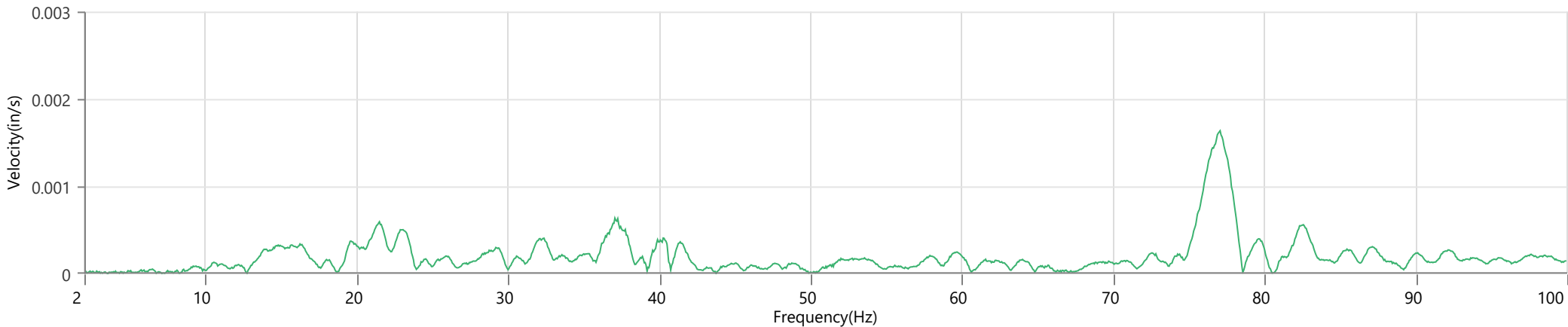
Notes	
Location	Station 3
Client	Spicewood Crushed Stone
Company	Hwy 71 Quarry
General Notes	IGS, Inc.

Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

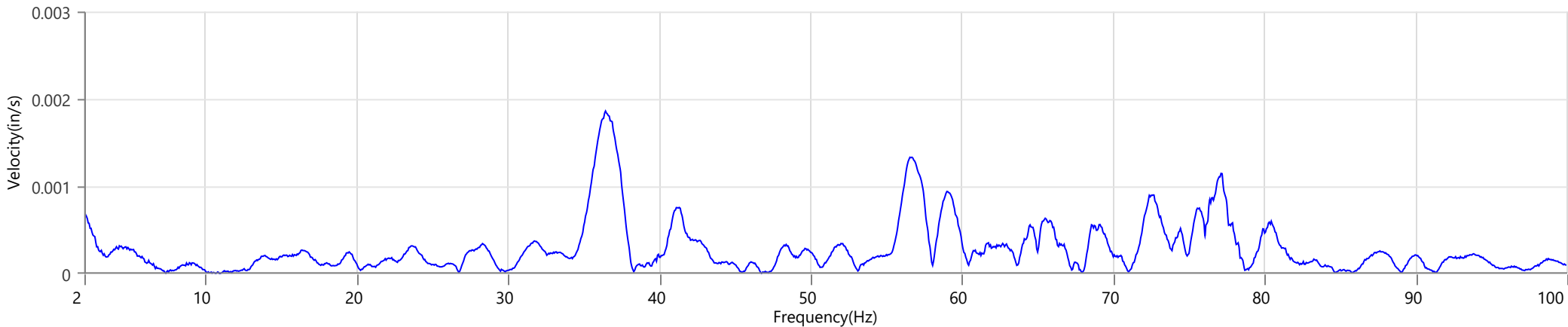
Tran - Dominant Frequency 76.5 Hz, Amplitude 0.0026 in/s (Peak Particle Velocity: 0.1415 in/s)



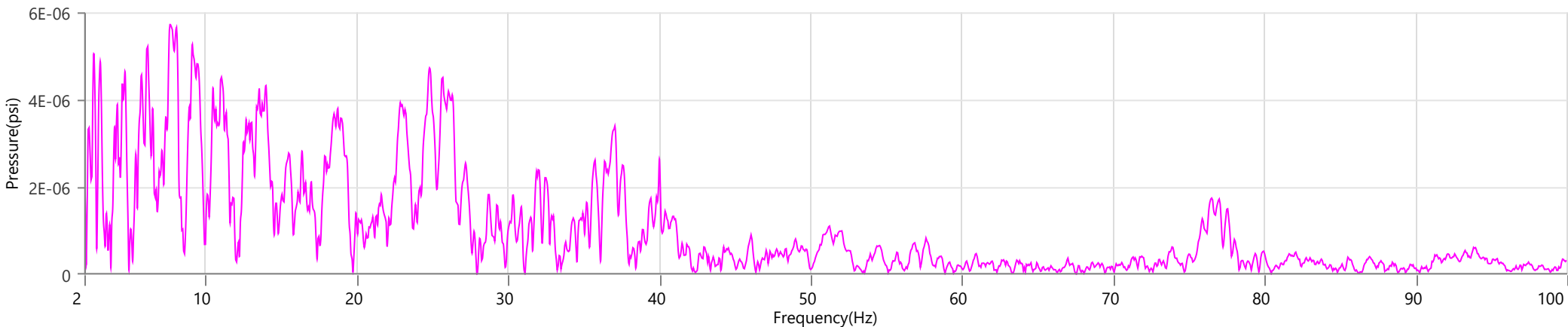
Vert - Dominant Frequency 77.1 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.0971 in/s)



Long - Dominant Frequency 36.4 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.1130 in/s)



Mic - Dominant Frequency 7.7 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000299 psi)



Waveform Trigger Source Long at September 22, 2025 11:51:04
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 4.mmb
Operator Operator

Serial Number UM22233
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration February 20, 2025 by Instantel
Event File Name UM22233_20250922115104.IDFW
USB Sensor Support Disabled

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

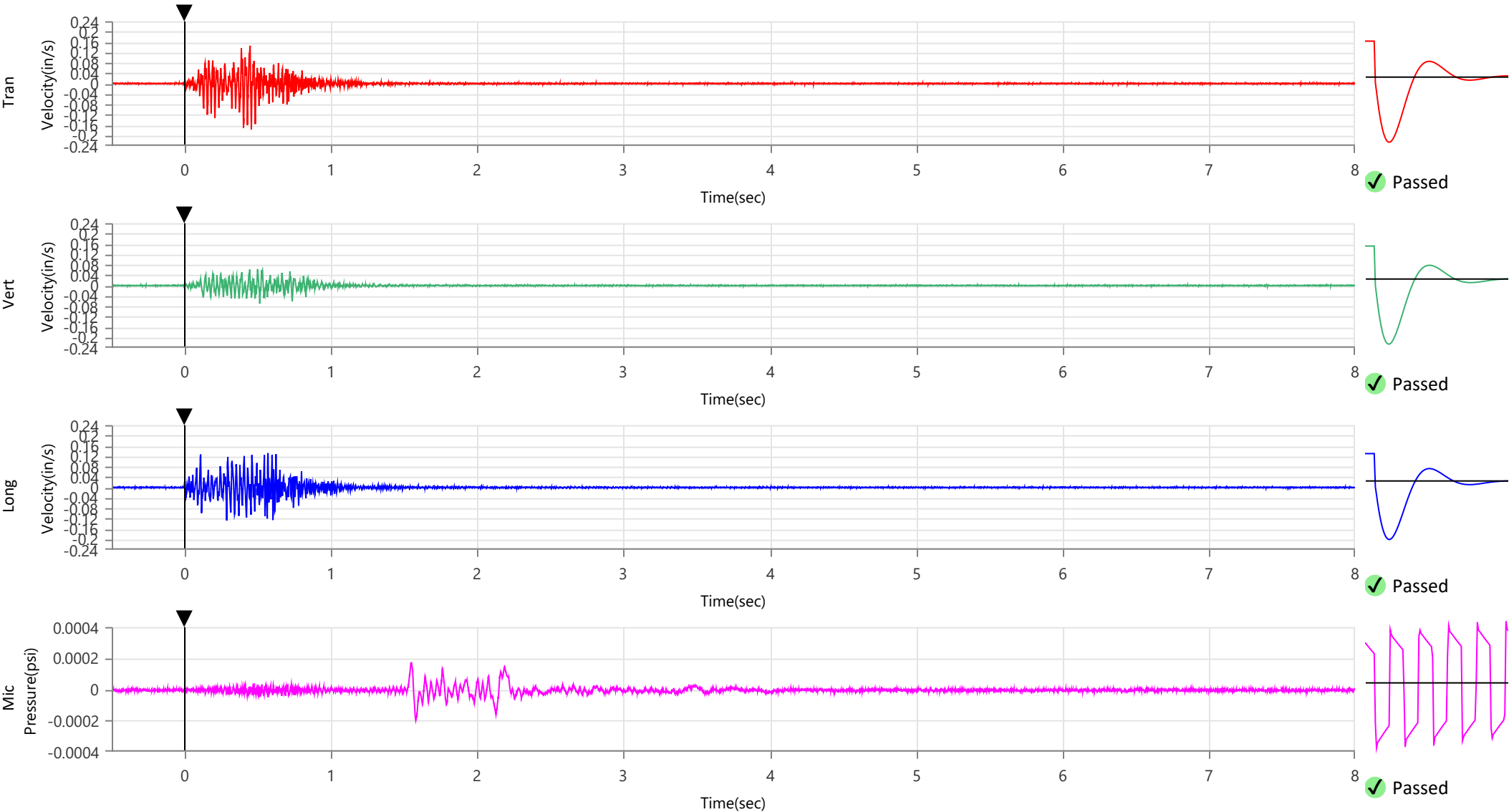
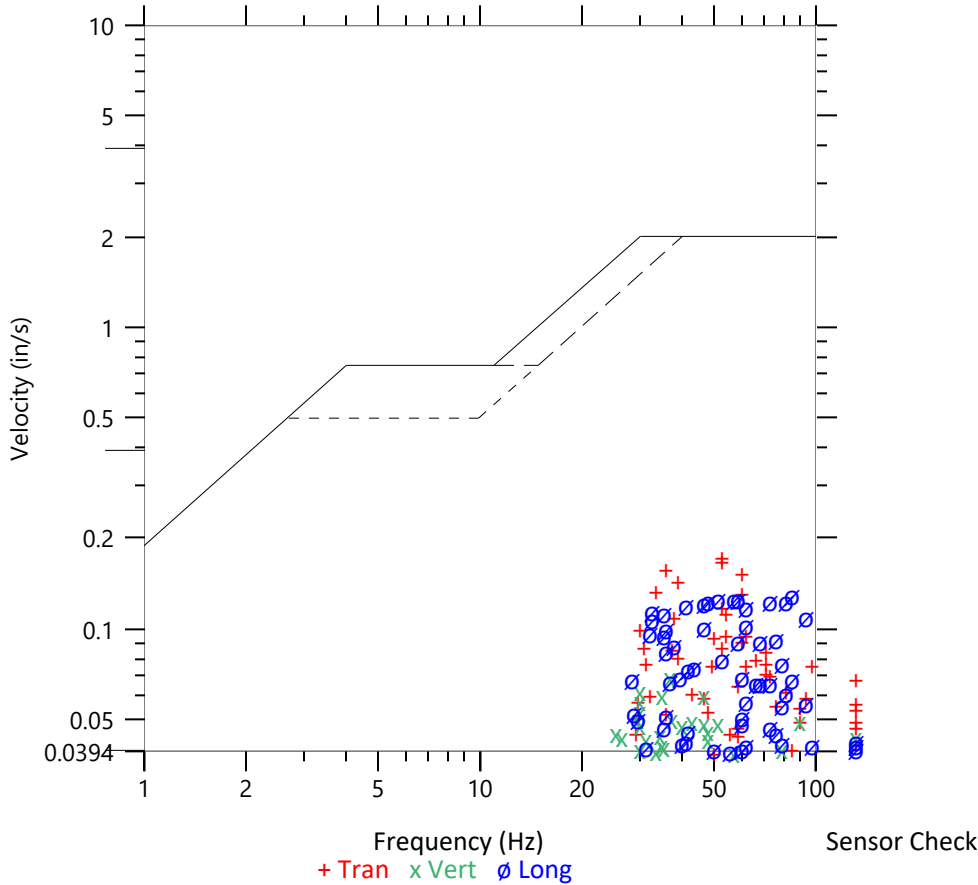
Extended Note N30.49821 W98.21578
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1769 in/s	0.0701 in/s	0.1322 in/s
Zero Crossing Frequency	52.5 Hz	36.6 Hz	85.3 Hz
Time (Relative to Trigger)	0.455 sec	0.513 sec	0.569 sec
Peak Acceleration	0.161 g	0.089 g	0.197 g
Peak Displacement	0.001 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	4.1	4.7	4.7

Peak Vector Sum 0.1920 in/s at 0.454 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.000198 psi
Peak Sound Pressure Level 96.7 dB(L)
Time (Relative to Trigger) 1.579 sec
Zero Crossing Frequency 7.1 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1281 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)

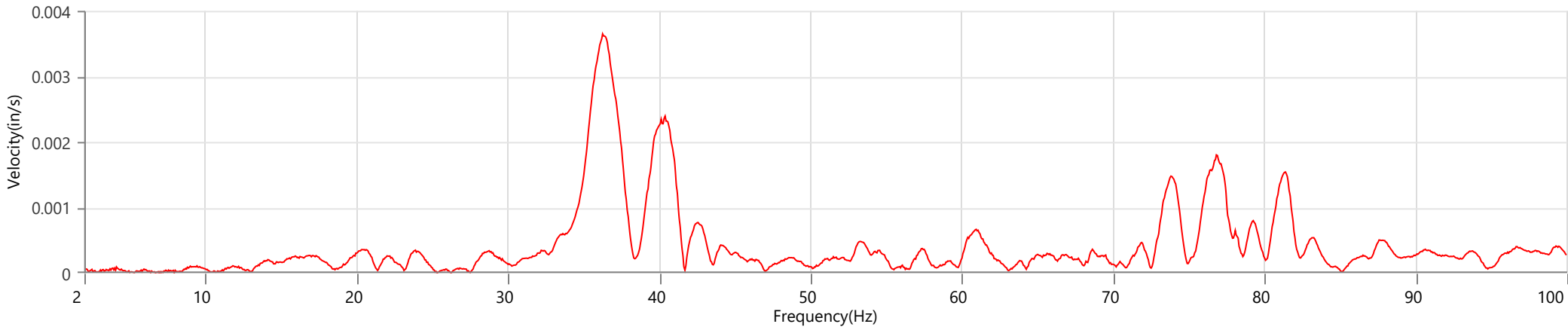


Waveform Trigger Source	Long at September 22, 2025 11:51:04	Serial Number	UM22233
Trigger Level(s)	Geo 0.0200 in/s	Model Number	Micromate ISEE 11.0AK
Trigger Level (Mic)	Mic 0.01029 psi, 131 dB(L)	Battery Level	3.8 volts
Pre-Trigger/Record Time	0.50 sec/8.0 sec (Fixed)	Unit Calibration	February 20, 2025 by Instantel
Sample Rate	4096 sps	Event File Name	UM22233_20250922115104.IDFW
Setup File Name	Spicewood Hwy 71 - Station 4.mmb	USB Sensor Support	Disabled
Operator	Operator		

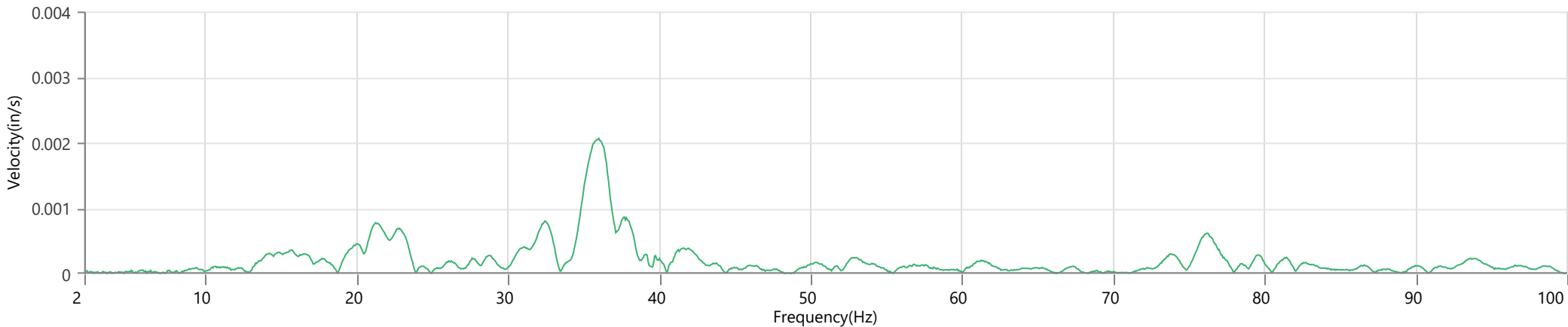
Notes	
Location	Station 4
Client	Spicewood Crushed Stone
Company	Hwy 71 Quarry
General Notes	IGS, Inc.

Extended Note N30.49821 W98.21578
Post Event Notes No text to be displayed.

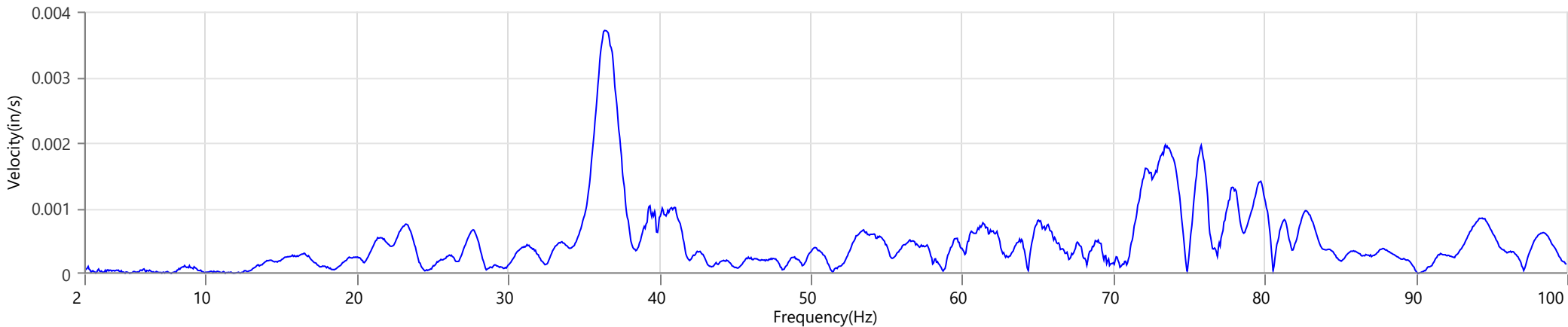
Tran - Dominant Frequency 36.2 Hz, Amplitude 0.0036 in/s (Peak Particle Velocity: 0.1769 in/s)



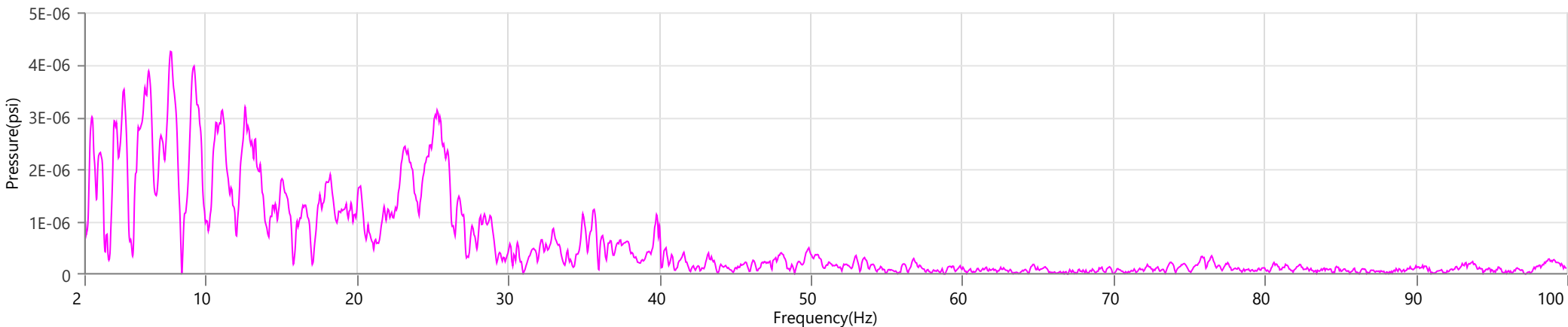
Vert - Dominant Frequency 36.0 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.0701 in/s)



Long - Dominant Frequency 36.4 Hz, Amplitude 0.0037 in/s (Peak Particle Velocity: 0.1322 in/s)



Mic - Dominant Frequency 7.7 Hz, Amplitude 0.00000 psi (Peak Sound Pressure Level: 0.000198 psi)



Waveform Trigger Source Long at September 22, 2025 11:51:04
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 5.mmb
Operator Operator

Serial Number UM9228
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration April 24, 2025 by Instantel
Event File Name UM9228_20250922115104.IDFW
USB Sensor Support Disabled

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

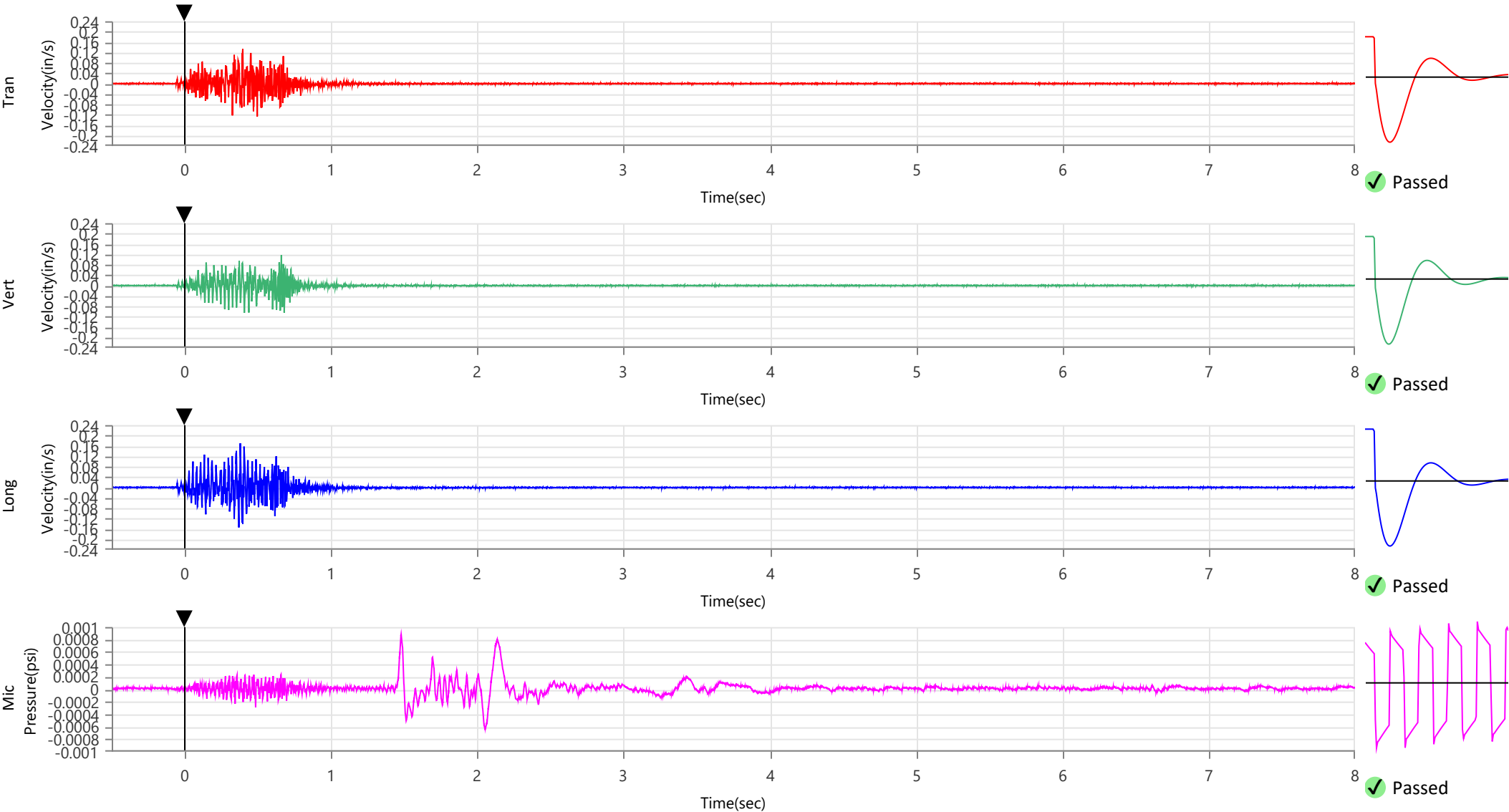
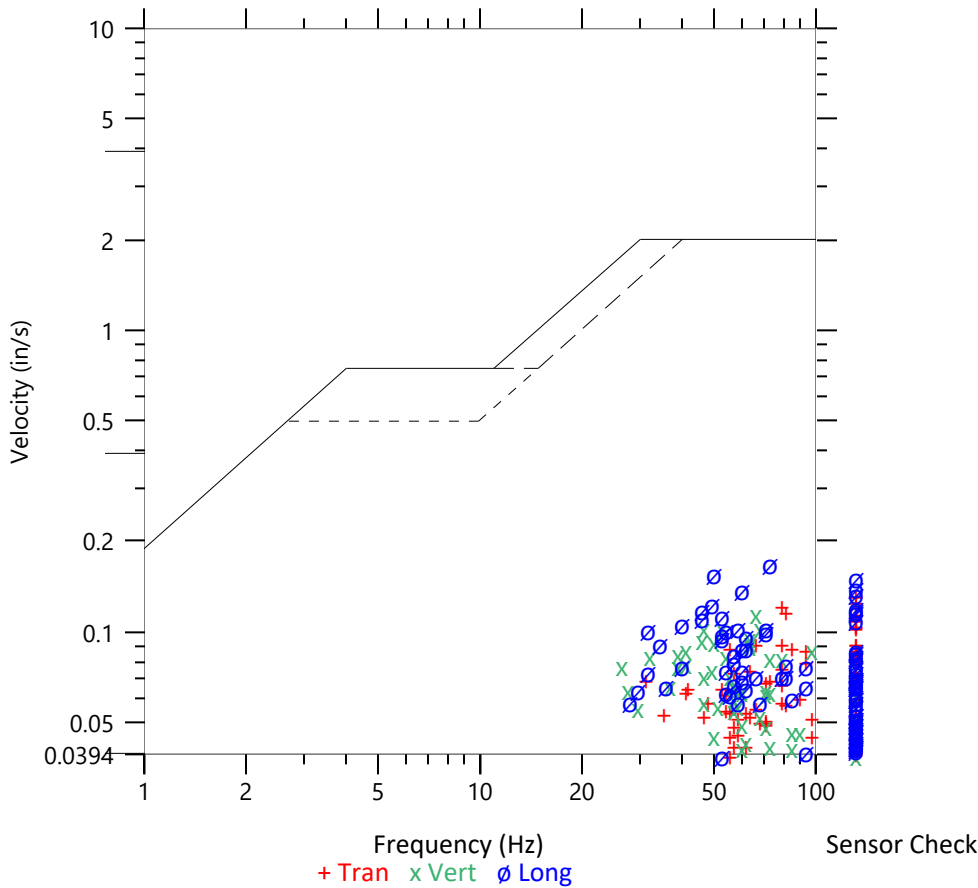
Extended Note N30.49911 W98.21538
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1328 in/s	0.1170 in/s	0.1700 in/s
Zero Crossing Frequency	>100 Hz	66.1 Hz	73.1 Hz
Time (Relative to Trigger)	0.397 sec	0.660 sec	0.380 sec
Peak Acceleration	0.267 g	0.161 g	0.280 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.7 Hz	7.3 Hz
Overswing Ratio	3.4	3.4	3.5

Peak Vector Sum 0.1943 in/s at 0.380 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.000880 psi
Peak Sound Pressure Level 109.6 dB(L)
Time (Relative to Trigger) 1.479 sec
Zero Crossing Frequency 8.0 Hz
Sensor Check ✓ Passed
Frequency 19.7 Hz
Test Amplitude 1283 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)

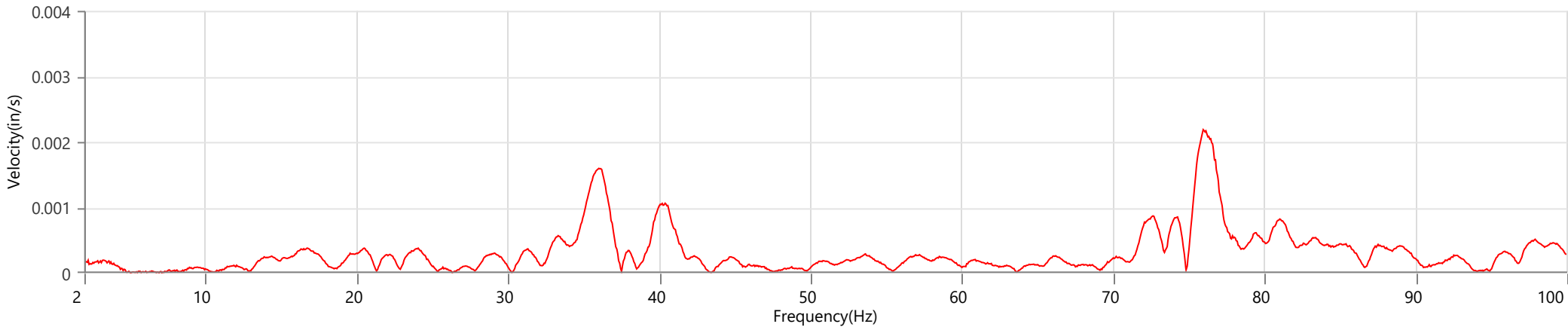


Waveform Trigger Source	Long at September 22, 2025 11:51:04	Serial Number	UM9228
Trigger Level(s)	Geo 0.0200 in/s	Model Number	Micromate ISEE 11.0AK
Trigger Level (Mic)	Mic 0.01029 psi, 131 dB(L)	Battery Level	3.8 volts
Pre-Trigger/Record Time	0.50 sec/8.0 sec (Fixed)	Unit Calibration	April 24, 2025 by Instantel
Sample Rate	4096 sps	Event File Name	UM9228_20250922115104.IDFW
Setup File Name	Spicewood Hwy 71 - Station 5.mmb	USB Sensor Support	Disabled
Operator	Operator		

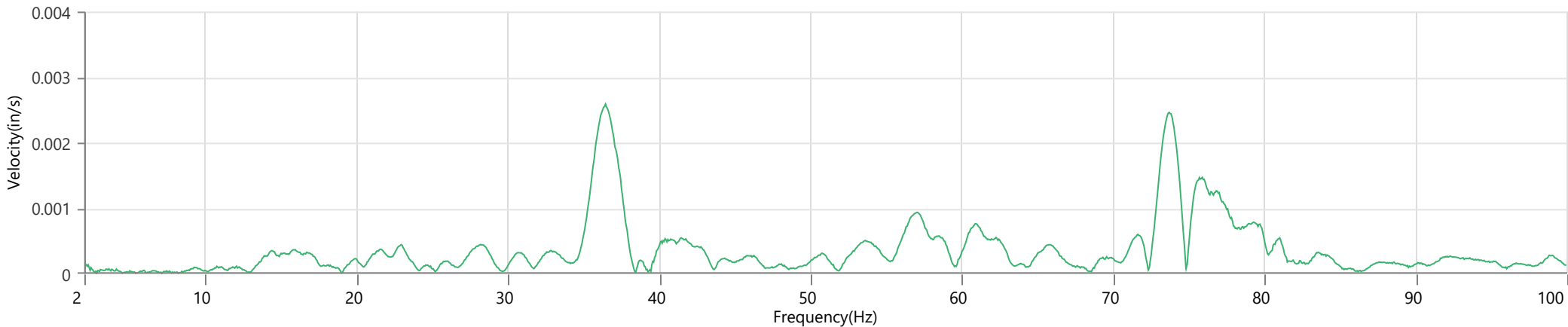
Notes	
Location	Station 5
Client	Spicewood Crushed Stone
Company	Hwy 71 Quarry
General Notes	IGS, Inc.

Extended Note N30.49911 W98.21538
Post Event Notes No text to be displayed.

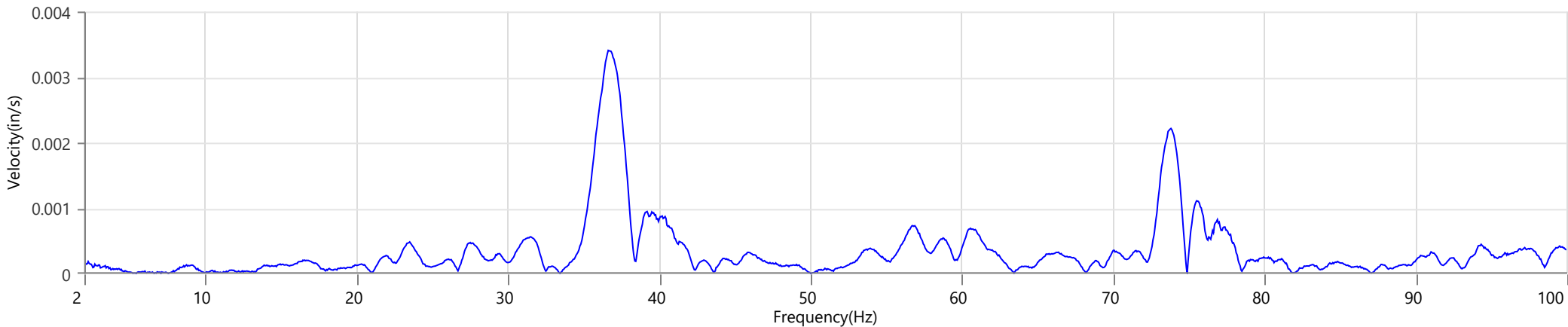
Tran - Dominant Frequency 75.9 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.1328 in/s)



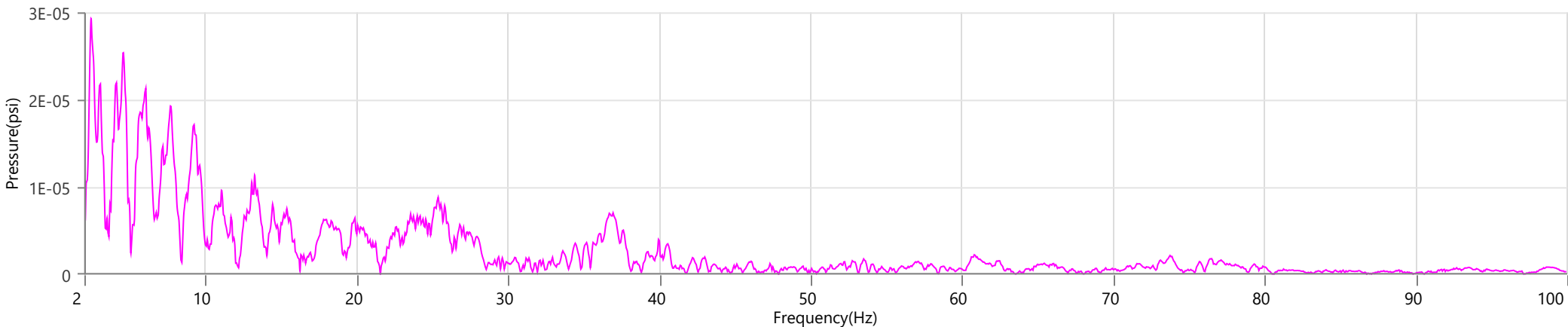
Vert - Dominant Frequency 36.4 Hz, Amplitude 0.0026 in/s (Peak Particle Velocity: 0.1170 in/s)



Long - Dominant Frequency 36.6 Hz, Amplitude 0.0034 in/s (Peak Particle Velocity: 0.1700 in/s)



Mic - Dominant Frequency 2.4 Hz, Amplitude 0.00003 psi (Peak Sound Pressure Level: 0.000880 psi)



Waveform Trigger Source Long at September 22, 2025 11:51:04
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 6.mmb
Operator Operator

Serial Number UM6470
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 1, 2025 by Instantel
Event File Name UM6470_20250922115104.IDFW
USB Sensor Support Disabled

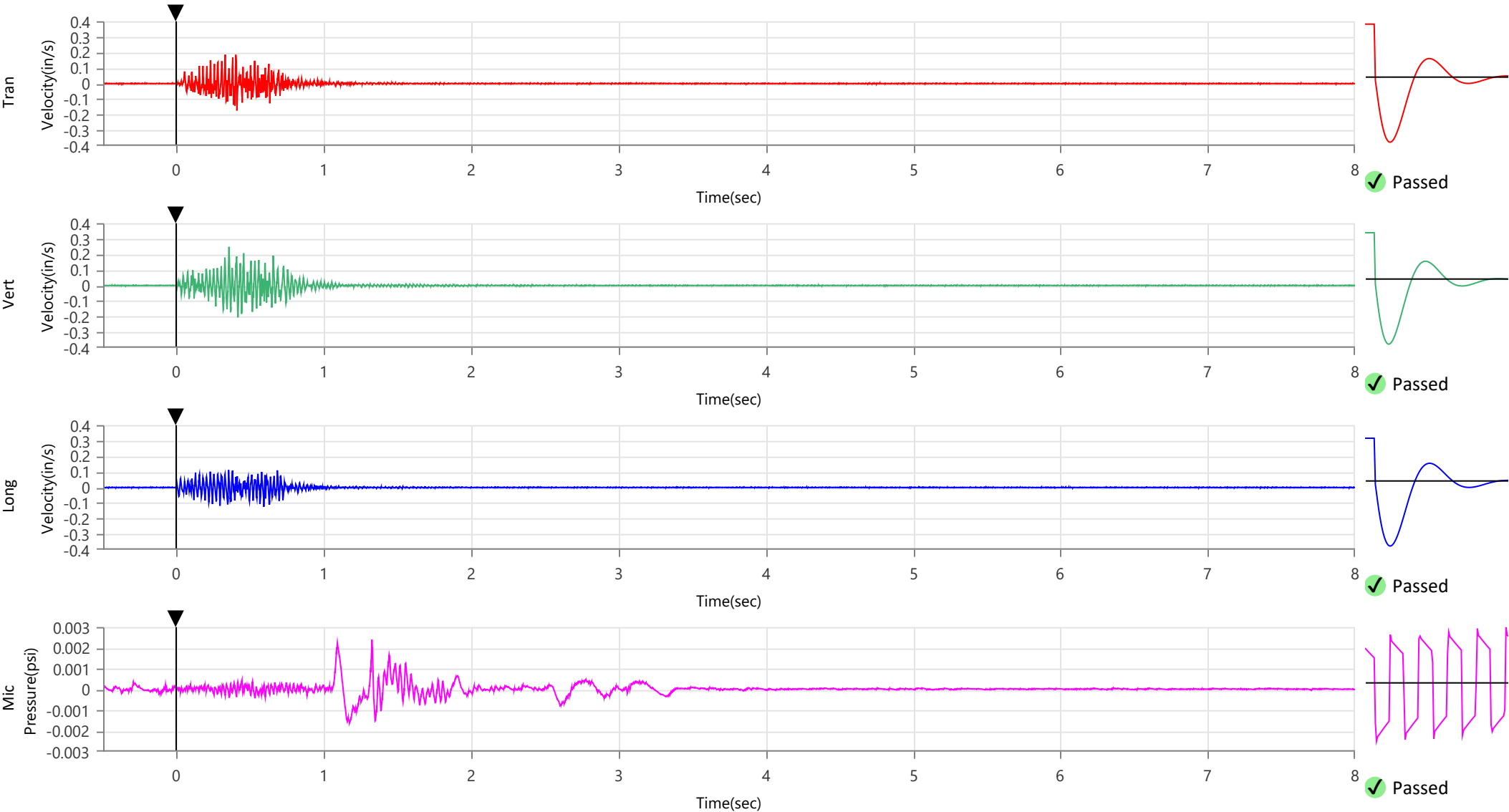
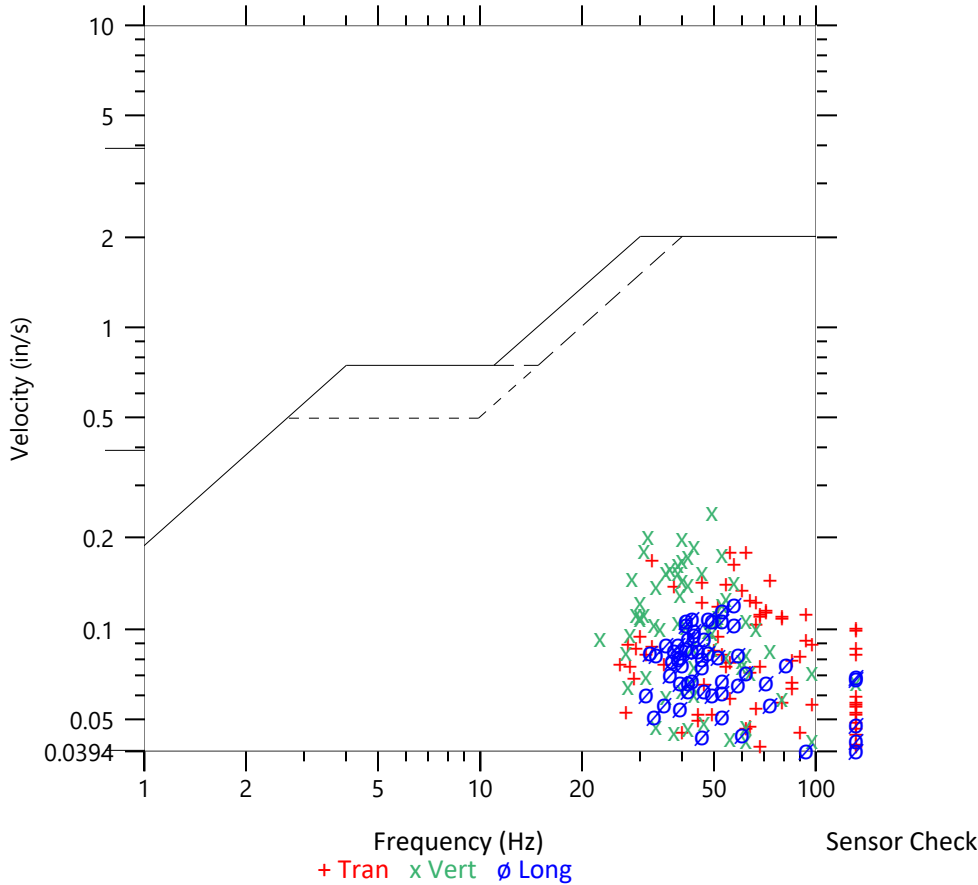
Notes
Location Station 6
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.495113 W98.206539
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1853 in/s	0.2479 in/s	0.1244 in/s
Zero Crossing Frequency	62.1 Hz	48.8 Hz	56.9 Hz
Time (Relative to Trigger)	0.330 sec	0.354 sec	0.592 sec
Peak Acceleration	0.270 g	0.204 g	0.158 g
Peak Displacement	0.001 in	0.001 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.9 Hz	7.3 Hz
Overswing Ratio	3.5	3.6	3.6
Peak Vector Sum	0.2782 in/s at 0.354 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.002388 psi
Peak Sound Pressure Level 118.3 dB(L)
Time (Relative to Trigger) 1.325 sec
Zero Crossing Frequency 16.1 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1375 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)

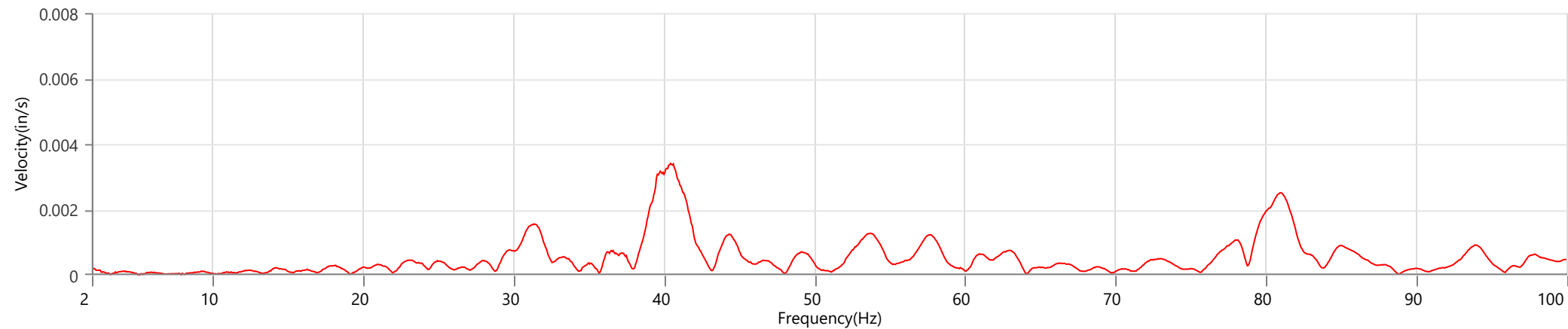


Waveform Trigger Source	Long at September 22, 2025 11:51:04	Serial Number	UM6470
Trigger Level(s)	Geo 0.0200 in/s	Model Number	Micromate ISEE 11.0AK
Trigger Level (Mic)	Mic 0.01029 psi, 131 dB(L)	Battery Level	3.8 volts
Pre-Trigger/Record Time	0.50 sec/8.0 sec (Fixed)	Unit Calibration	May 1, 2025 by Instantel
Sample Rate	4096 sps	Event File Name	UM6470_20250922115104.IDFW
Setup File Name	Spicewood Hwy 71 - Station 6.mmb	USB Sensor Support	Disabled
Operator	Operator		

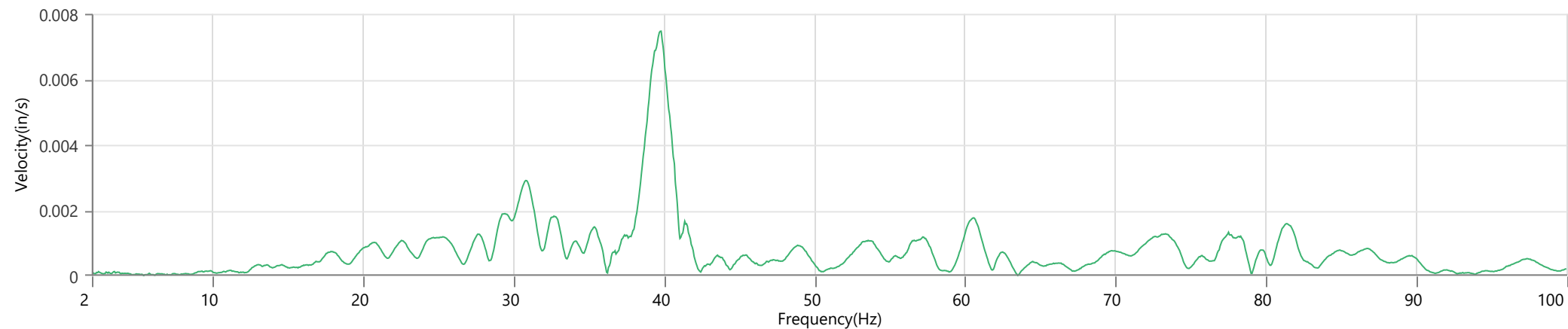
Notes	
Location	Station 6
Client	Spicewood Crushed Stone
Company	Hwy 71 Quarry
General Notes	IGS, Inc.

Extended Note N30.495113 W98.206539
Post Event Notes No text to be displayed.

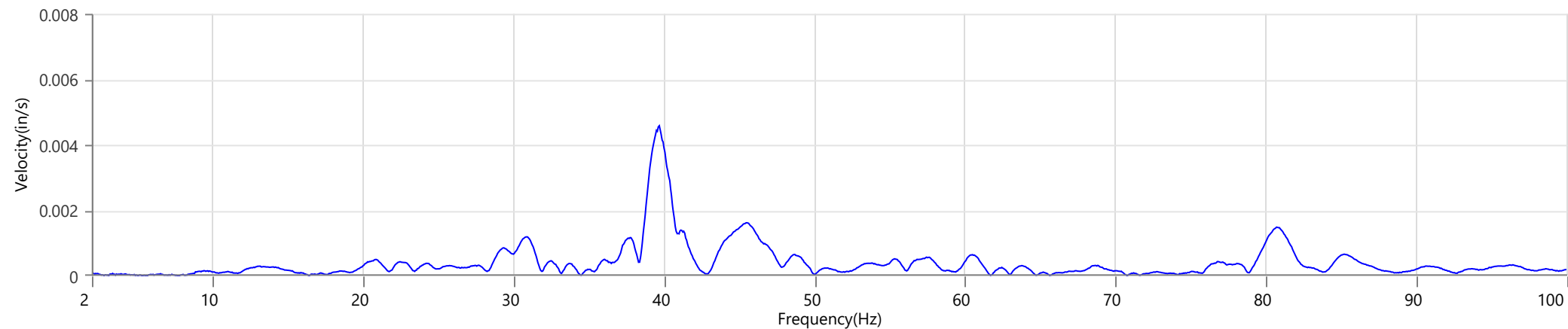
Tran - Dominant Frequency 40.4 Hz, Amplitude 0.0034 in/s (Peak Particle Velocity: 0.1853 in/s)



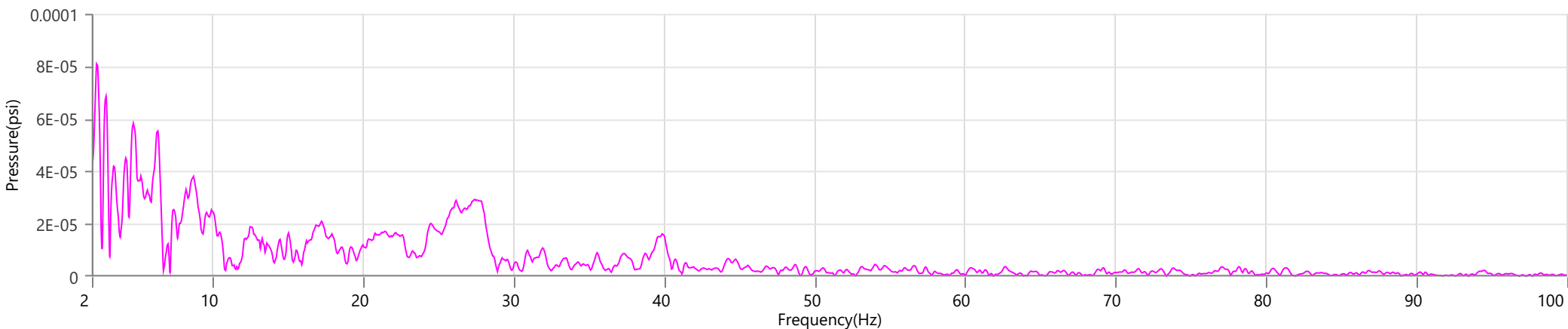
Vert - Dominant Frequency 39.8 Hz, Amplitude 0.0075 in/s (Peak Particle Velocity: 0.2479 in/s)



Long - Dominant Frequency 39.7 Hz, Amplitude 0.0046 in/s (Peak Particle Velocity: 0.1244 in/s)



Mic - Dominant Frequency 2.3 Hz, Amplitude 0.00008 psi (Peak Sound Pressure Level: 0.002388 psi)





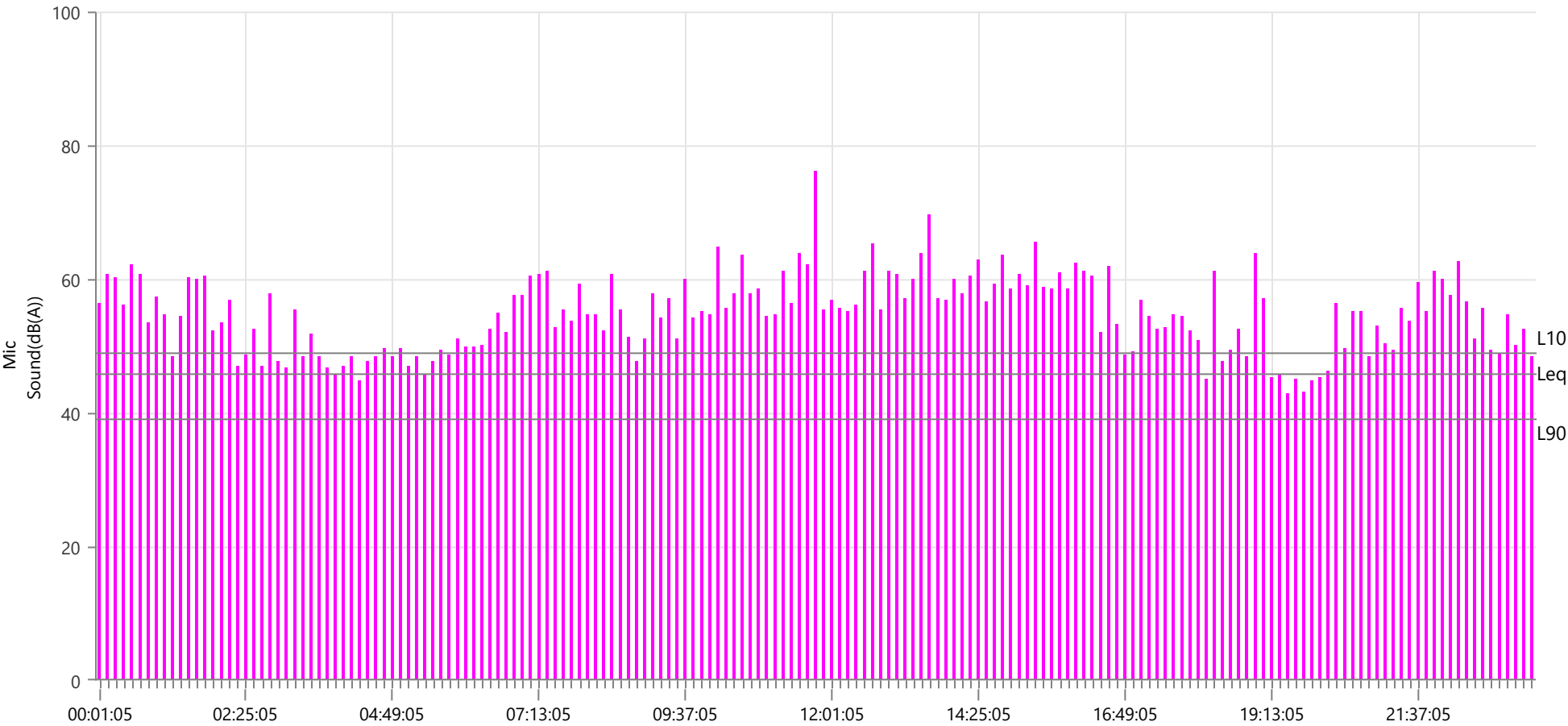
Start September 22, 2025 00:00:05
Finish September 22, 2025 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

Serial Number UM21408
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 22, 2025 by Instantel
Microphone Calibration UA10767, February 18, 2025 by Instantel
Event File Name UM21408_20250922000005.IDFH
USB Sensor Support Disabled

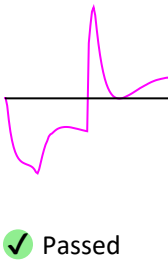
Notes
Location Noise 2
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note Station 5N30.49911 W98.21538
Post Event Notes No text to be displayed.

Sound Level Microphone
LMax 76.3 dB(A)
Date Sep 22, 2025
Time 11:45:05
LMin 35.3 L10 49 L90 39 Leq 45.8
Sensor Check Passed
Test Amplitude 1089 mv



Sensor Check



Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

September 22, 2025 00:00:09

September 22, 2025 23:29:59

1409.84/60 sec

4096 sps

Spicewood Hwy 71 - Noise 3.mmb

Operator

Serial Number

Model Number

Battery Level

Unit Calibration

Microphone Calibration

UM8328

Micromate ISEE 11.0AK

3.8 volts

May 22, 2025 by Instantel

UA10376, February 18, 2025 by Field

Event File Name

USB Sensor Support

Calibration

UM8328_20250922000009.IDFH

Disabled

Notes

Location

Client

Company

General Notes

Noise 3

Spicewood Crushed Stone

Hwy 71 Quarry

IGS, Inc.

Extended Note

Post Event Notes

N30.490958 W98.213495

No text to be displayed.

Sound Level Microphone

LMax

Date

Time

A-Weight Slow

81.7 dB(A)

Sep 22, 2025

19:00:09

LMin

L10

L90

Leq

35.0

56

42

52.4

Sound(dB(A))

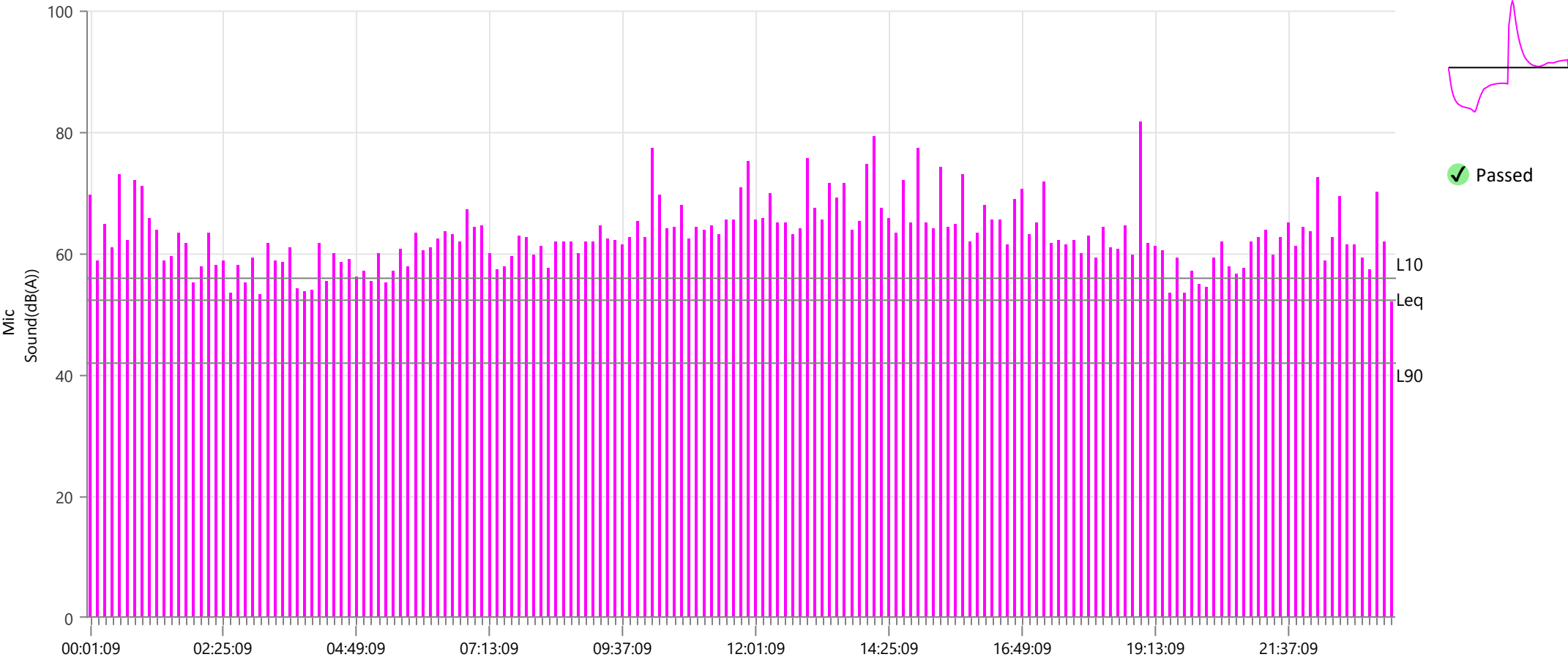
Sensor Check

Test Amplitude

✓ Passed

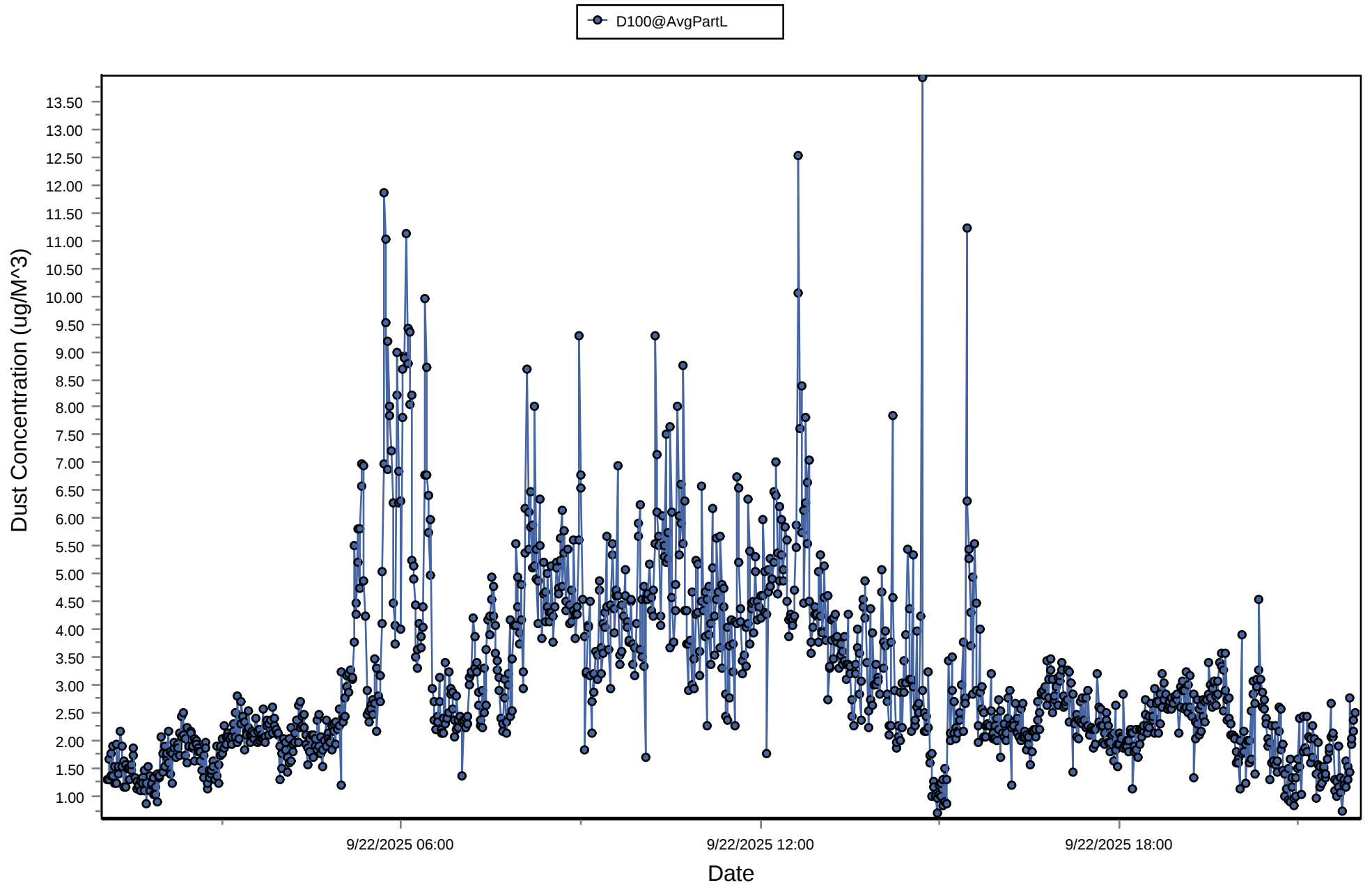
954 mv

Sensor Check



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

