

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

Vert at September 9, 2025 13:18:33
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
2.9 volts
March 19, 2025 by Instantel
UM6427_20250909131833.IDFW
Disabled

Notes
Location
Client
Company
General Notes

Station 2
Spicewood Crushed Stone
Hwy 71
IGS, Inc

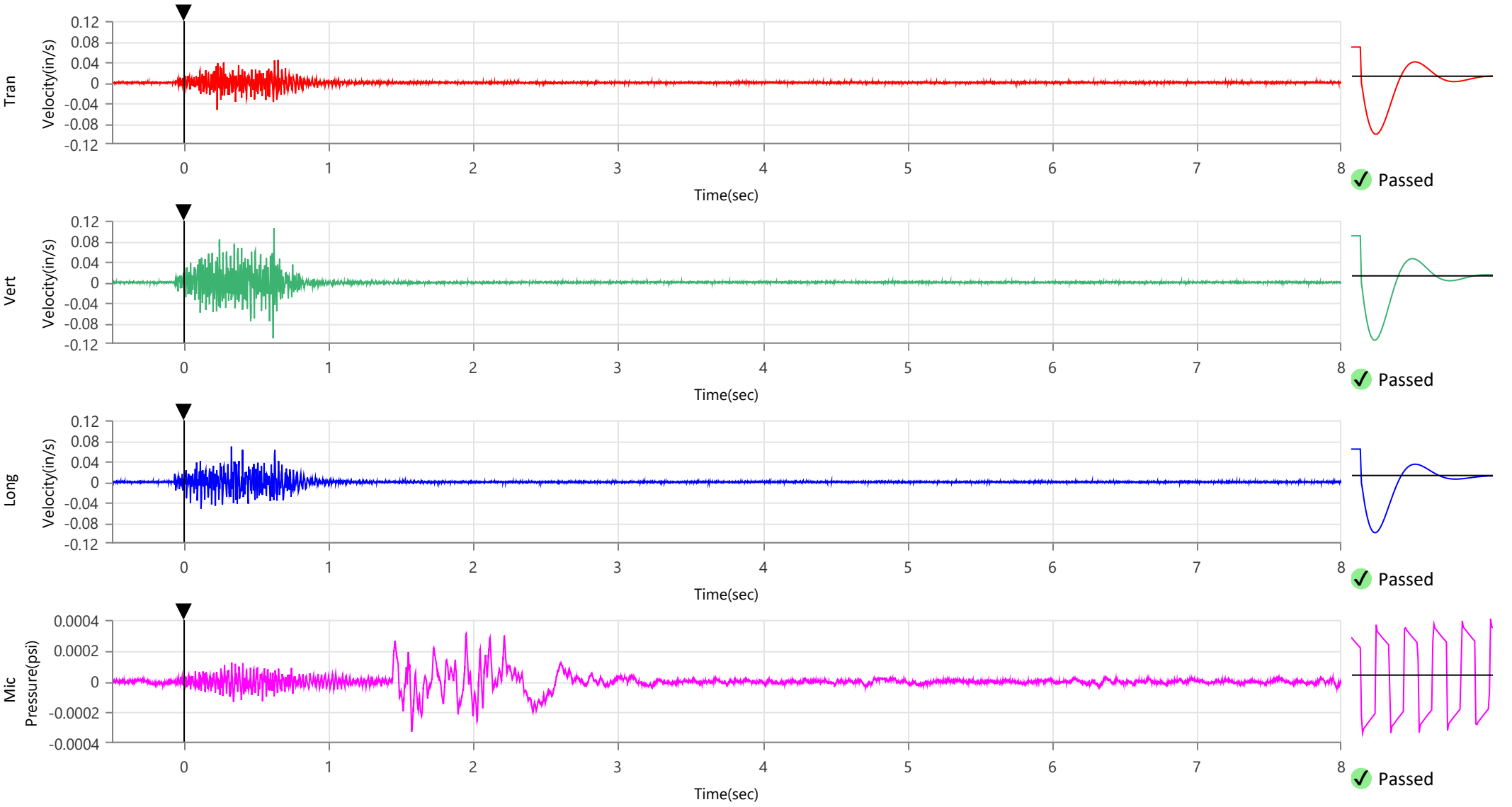
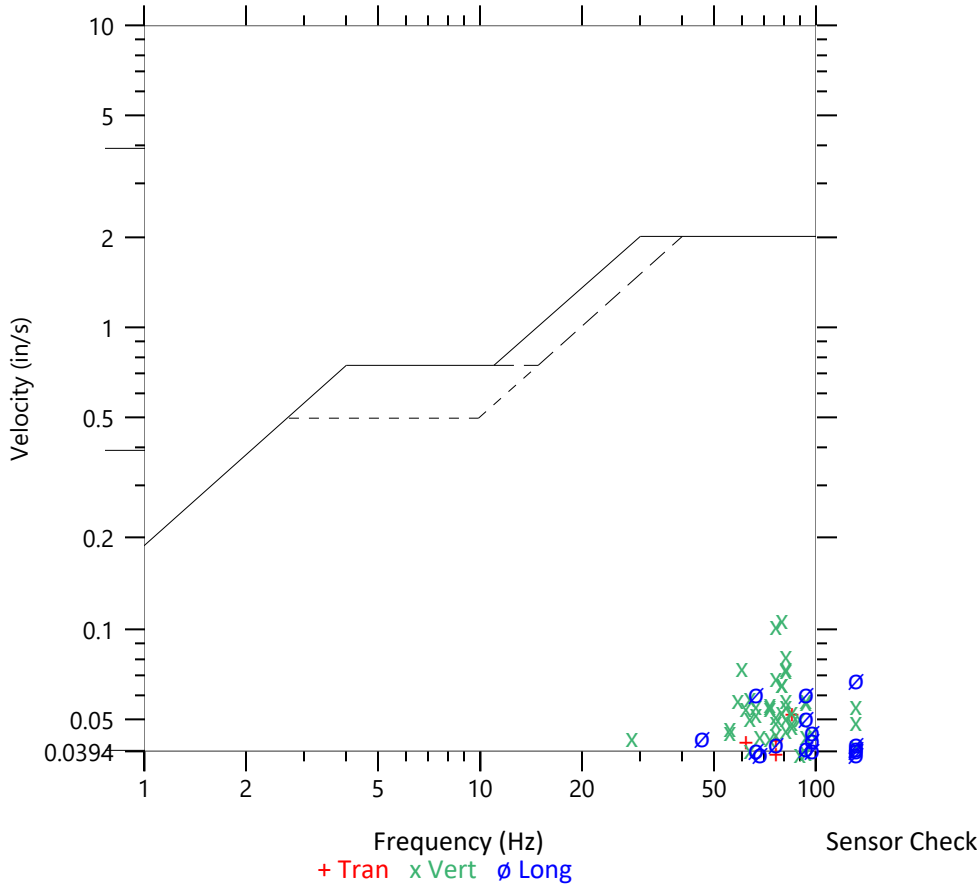
Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0531 in/s	0.1089 in/s	0.0689 in/s
Zero Crossing Frequency	85.3 Hz	81.9 Hz	>100 Hz
Time (Relative to Trigger)	0.229 sec	0.615 sec	0.327 sec
Peak Acceleration	0.092 g	0.155 g	0.118 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.7 Hz	7.1 Hz
Overswing Ratio	4.0	3.7	5.0
Peak Vector Sum	0.1111 in/s at 0.615 sec		

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

0.000326 psi
101.0 dB(L)
1.573 sec
17.4 Hz
✓ Passed
20.5 Hz
1393 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



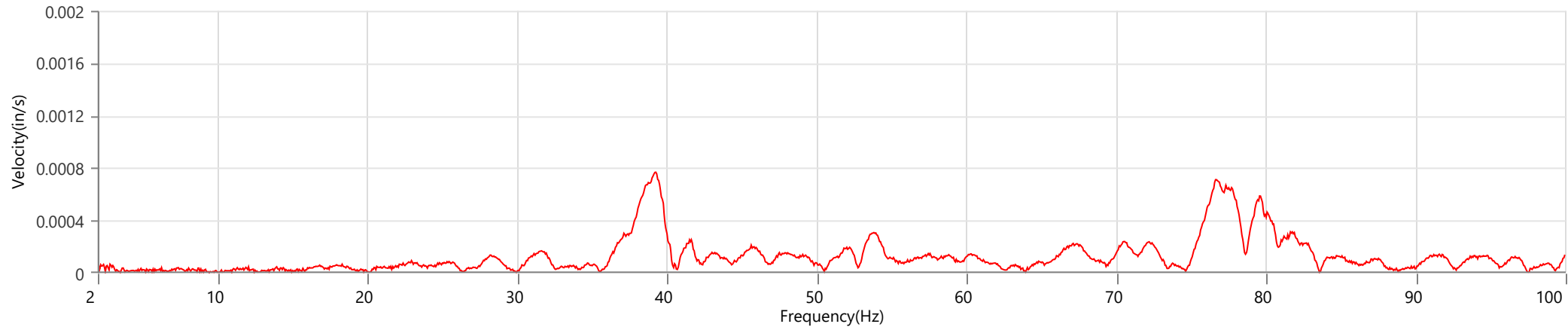
Waveform Trigger Source Vert at September 9, 2025 13:18:33
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

Serial Number UM6427
Model Number Micromate ISEE 11.0AK
Battery Level 2.9 volts
Unit Calibration March 19, 2025 by Instantel
Event File Name UM6427_20250909131833.IDFW
USB Sensor Support Disabled

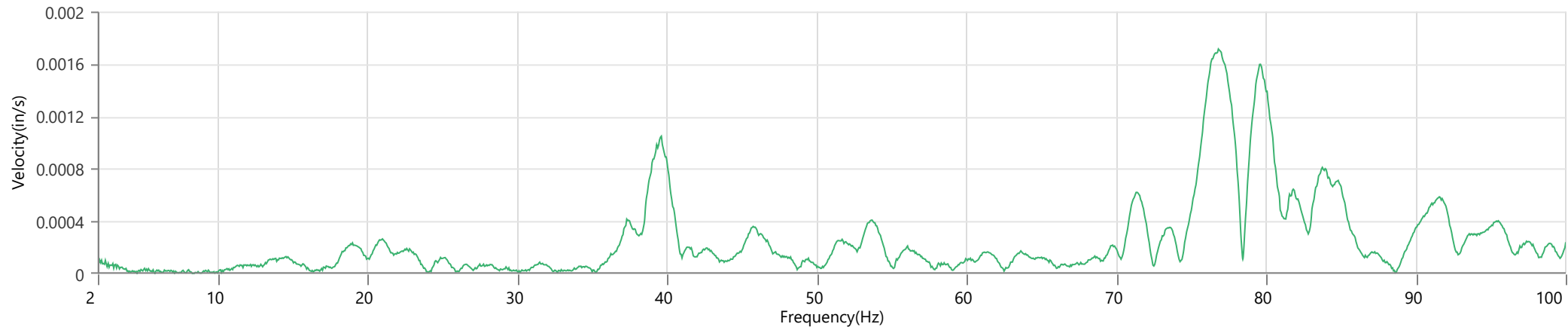
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

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

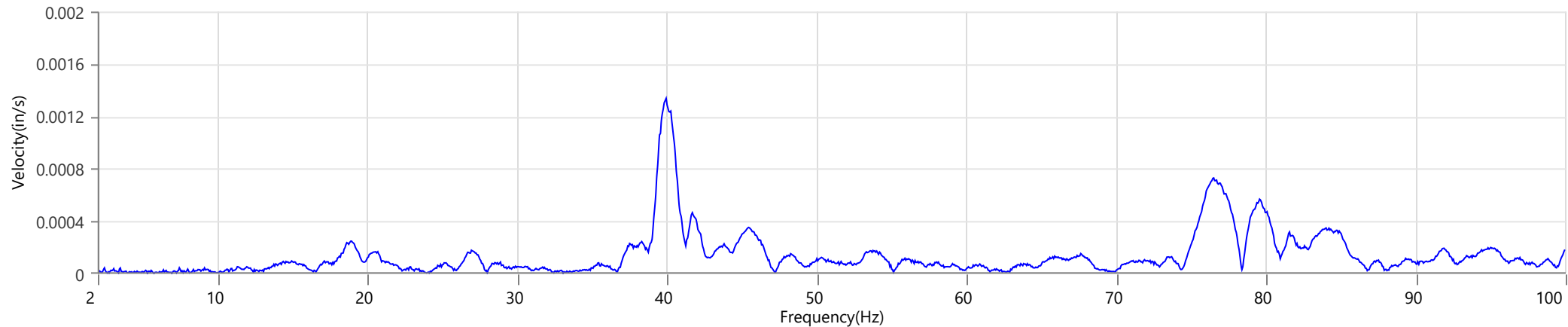
Tran - Dominant Frequency 39.2 Hz, Amplitude 0.0008 in/s (Peak Particle Velocity: 0.0531 in/s)



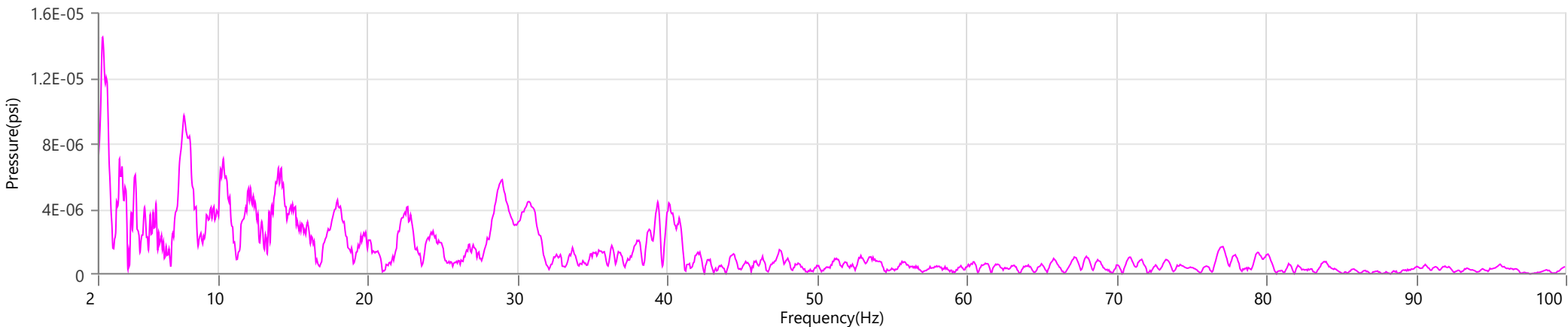
Vert - Dominant Frequency 76.8 Hz, Amplitude 0.0017 in/s (Peak Particle Velocity: 0.1089 in/s)



Long - Dominant Frequency 39.9 Hz, Amplitude 0.0013 in/s (Peak Particle Velocity: 0.0689 in/s)



Mic - Dominant Frequency 2.3 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000326 psi)



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

Vert at September 9, 2025 13:18:33
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

UM20529
Micromate ISEE 11.0AK
3.8 volts
February 14, 2025 by Instantel
UM20529_20250909131833.IDFW
Disabled

Notes
Location
Client
Company
General Notes

Station 3
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

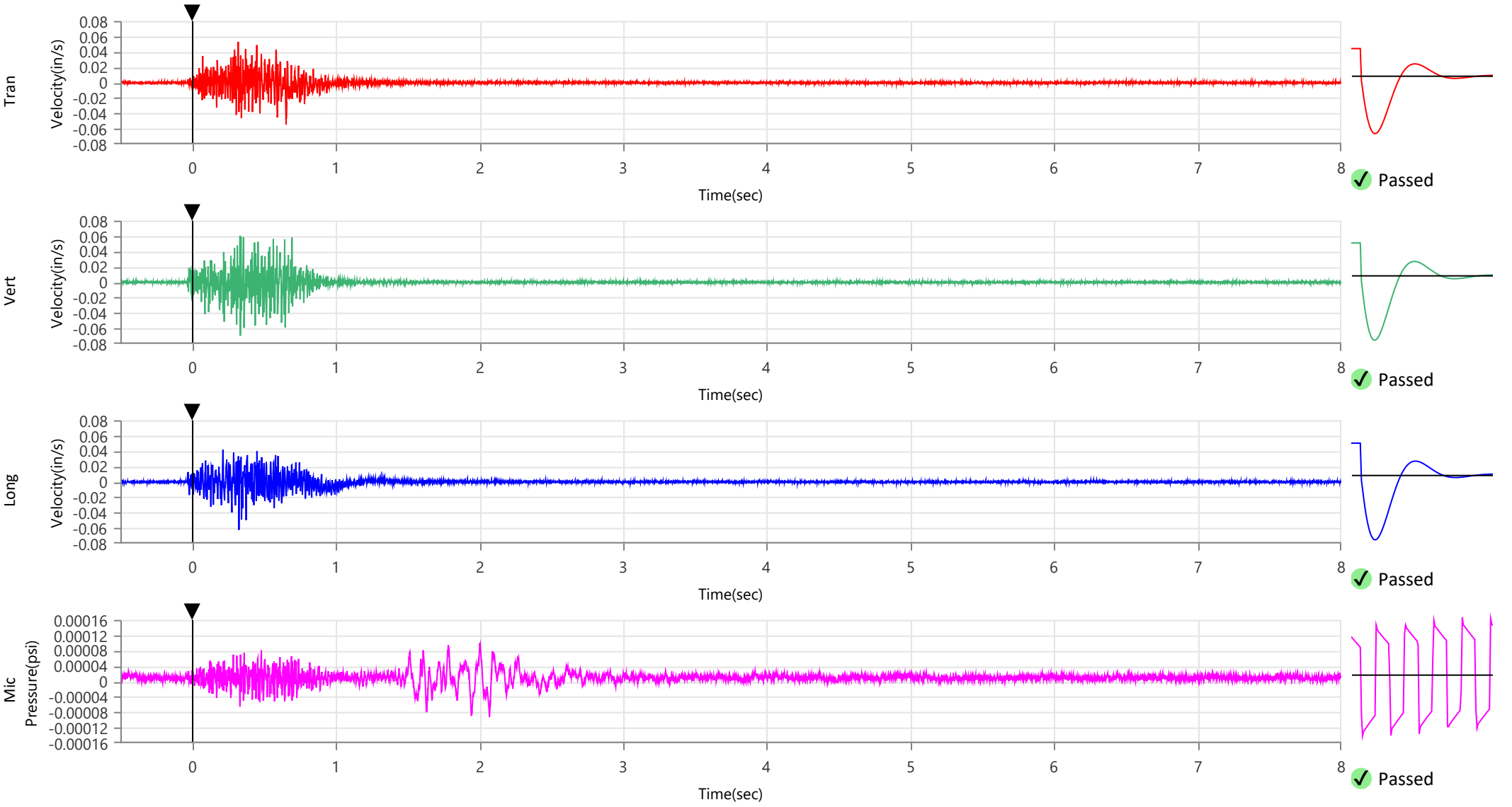
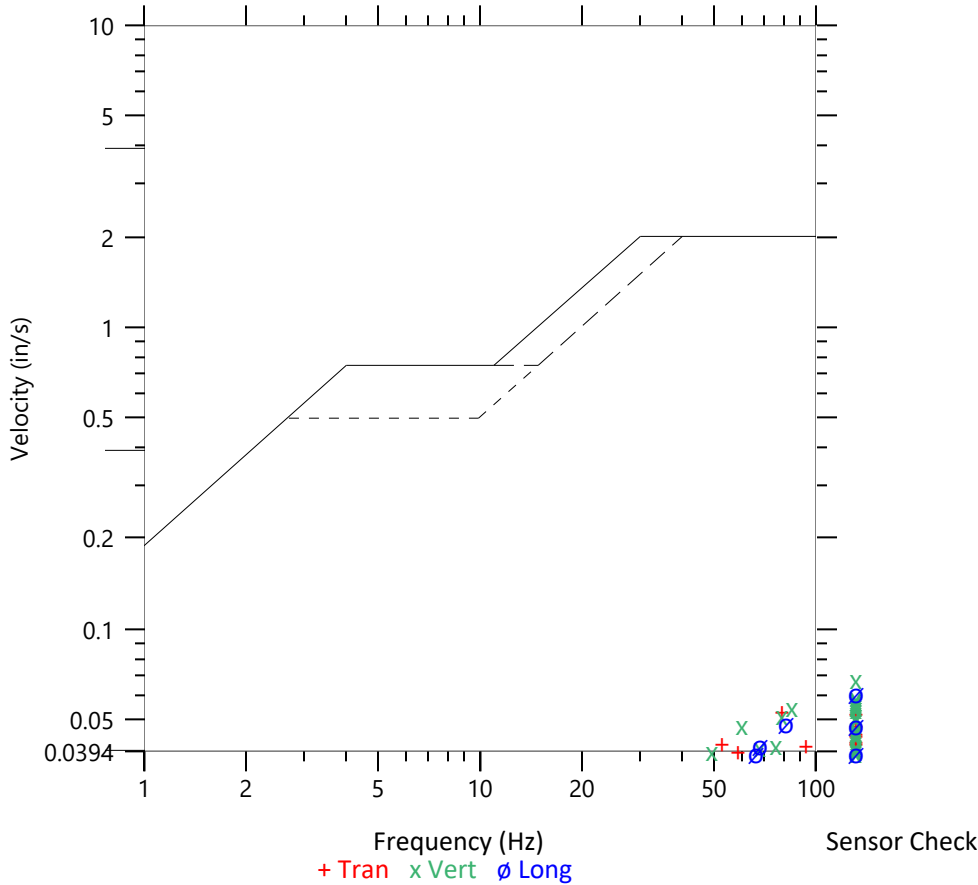
Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0546 in/s	0.0695 in/s	0.0624 in/s
Zero Crossing Frequency	78.8 Hz	>100 Hz	>100 Hz
Time (Relative to Trigger)	0.654 sec	0.336 sec	0.326 sec
Peak Acceleration	0.099 g	0.155 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	7.3 Hz
Overswing Ratio	4.6	4.4	4.4
Peak Vector Sum	0.0729 in/s at 0.336 sec		

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

0.000099 psi
90.7 dB(L)
2.003 sec
9.7 Hz
✓ Passed
20.5 Hz
1409 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

Vert at September 9, 2025 13:18:33
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

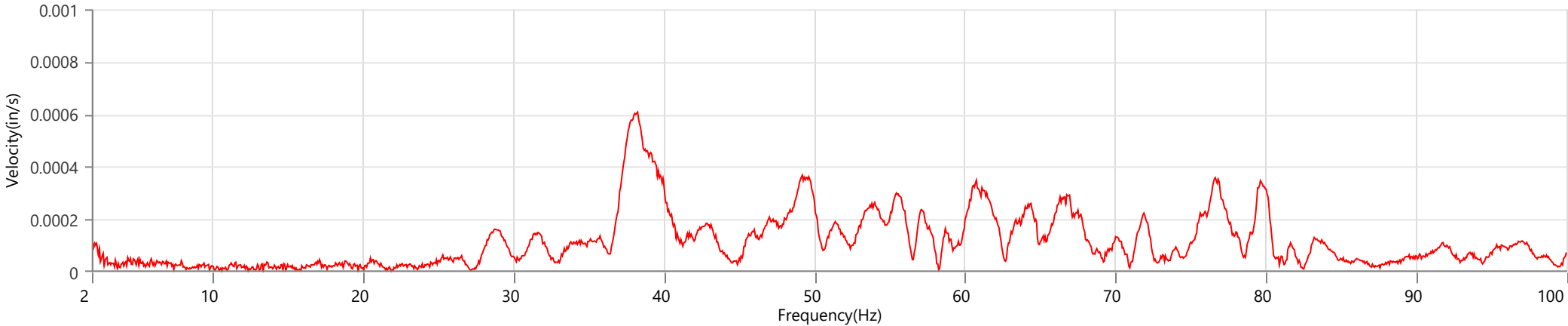
UM20529
Micromate ISEE 11.0AK
3.8 volts
February 14, 2025 by Instantel
UM20529_20250909131833.IDFW
Disabled

Notes
Location
Client
Company
General Notes

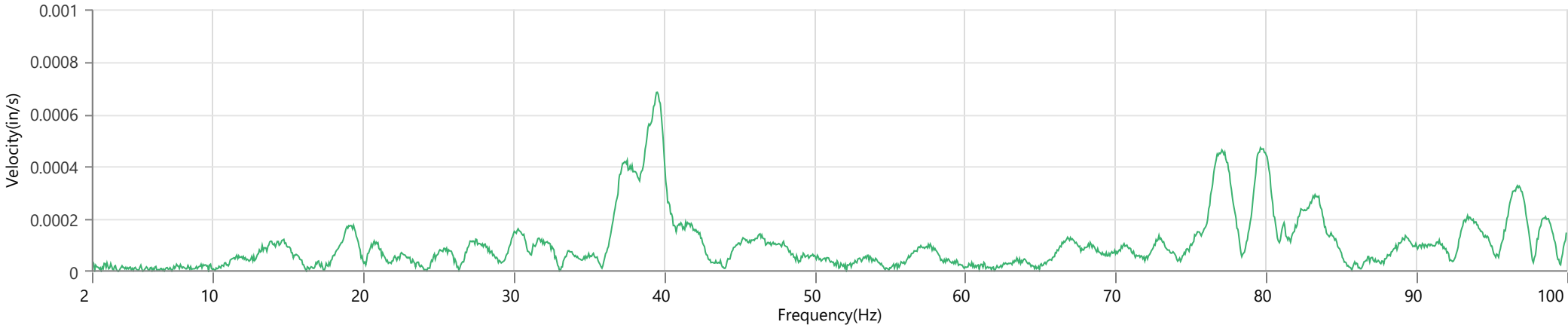
Station 3
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

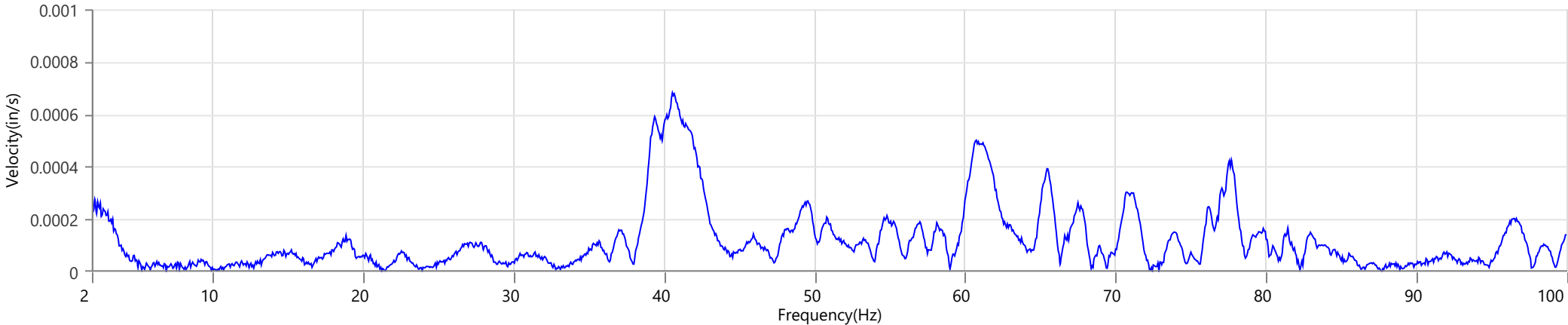
Tran - Dominant Frequency 38.2 Hz, Amplitude 0.0006 in/s (Peak Particle Velocity: 0.0546 in/s)



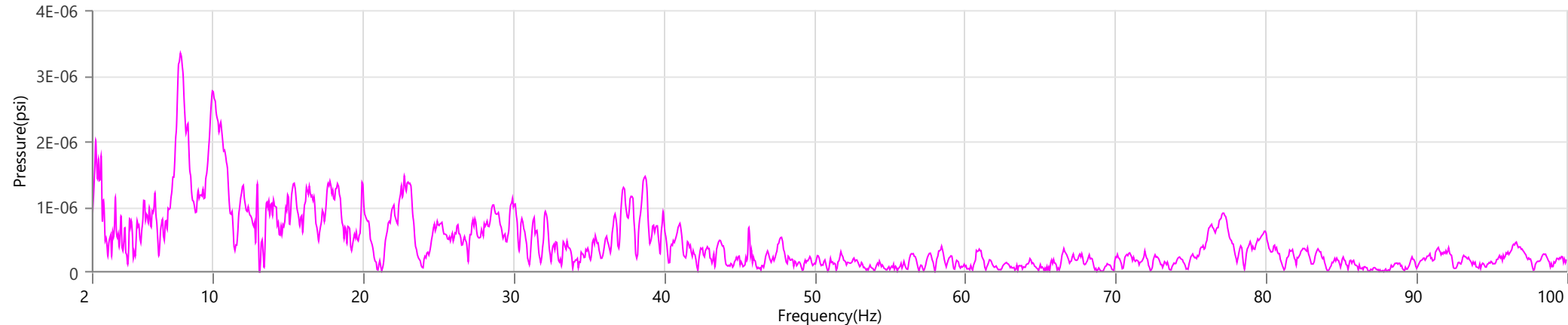
Vert - Dominant Frequency 39.6 Hz, Amplitude 0.0007 in/s (Peak Particle Velocity: 0.0695 in/s)



Long - Dominant Frequency 40.6 Hz, Amplitude 0.0007 in/s (Peak Particle Velocity: 0.0624 in/s)



Mic - Dominant Frequency 7.9 Hz, Amplitude 0.00000 psi (Peak Sound Pressure Level: 0.000099 psi)



Waveform Trigger Source Long at September 9, 2025 13:18:33
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_20250909131833.IDFW
USB Sensor Support Disabled

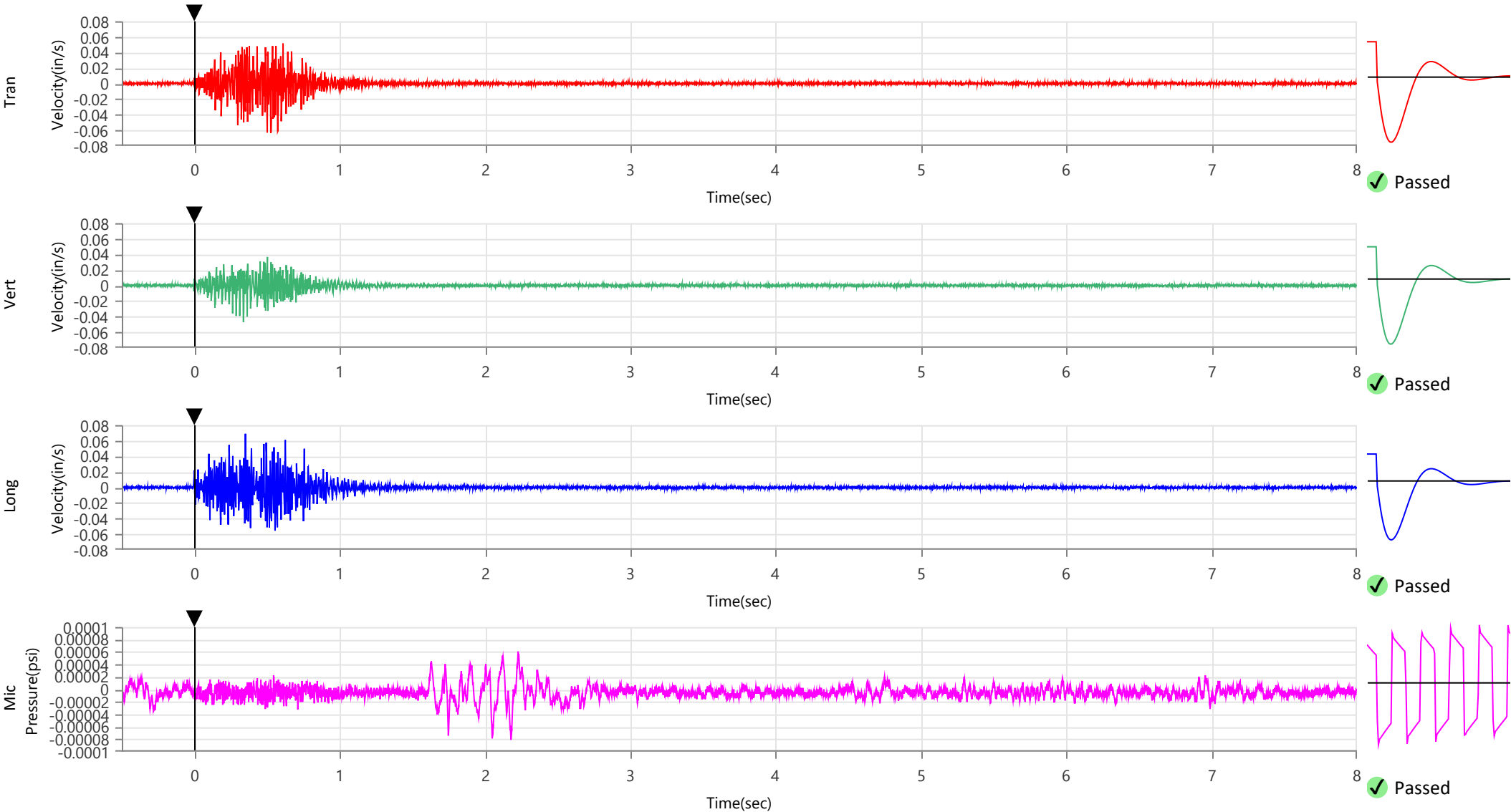
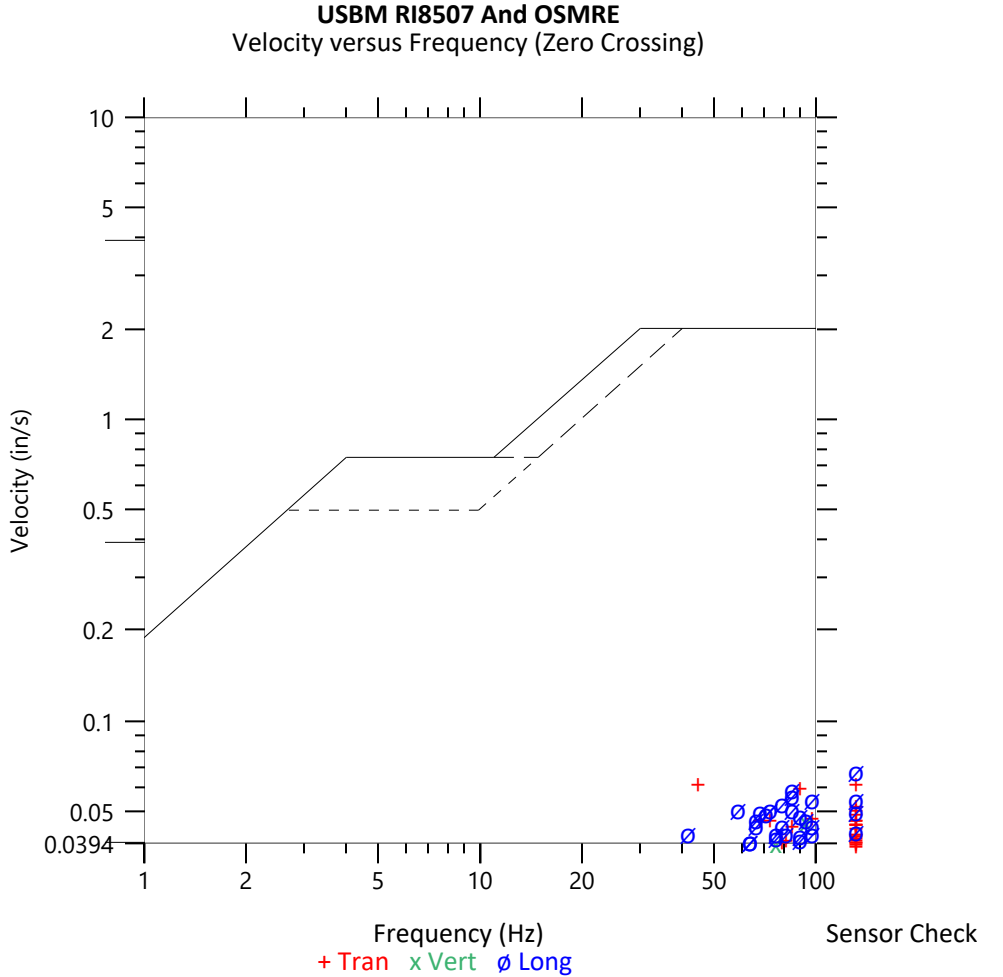
Notes
Location Station 4
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

Geophone
Peak Particle Velocity 0.0633 in/s
Zero Crossing Frequency >100 Hz
Time (Relative to Trigger) 0.526 sec
Peak Acceleration 0.115 g
Peak Displacement 0.000 in
Sensor Check ✓ Passed
Frequency 7.3 Hz
Overswing Ratio 4.1

Peak Vector Sum 0.0831 in/s at 0.501 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.000081 psi
Peak Sound Pressure Level 88.9 dB(L)
Time (Relative to Trigger) 2.178 sec
Zero Crossing Frequency 14.4 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1395 mv

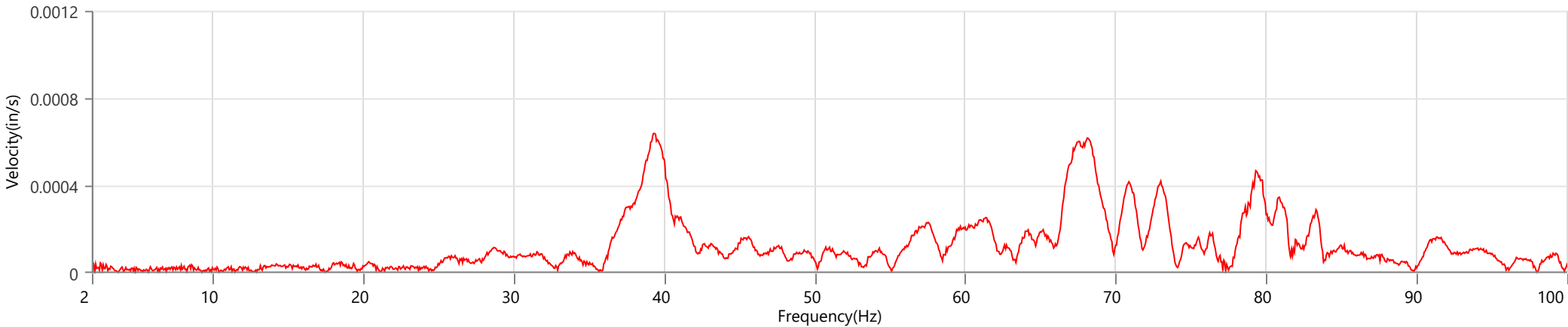


Waveform Trigger Source	Long at September 9, 2025 13:18:33	Serial Number	UM22233
Trigger Level(s)	Geo 0.0200 in/s	Model Number	Micromate ISEE 11.0AK
Trigger Level (Mic)	Mic 0.01029 psi, 131 dB(L)	Battery Level	3.8 volts
Pre-Trigger/Record Time	0.50 sec/8.0 sec (Fixed)	Unit Calibration	February 20, 2025 by Instantel
Sample Rate	4096 sps	Event File Name	UM22233_20250909131833.IDFW
Setup File Name	Spicewood Hwy 71 - Station 4.mmb	USB Sensor Support	Disabled
Operator	Operator		

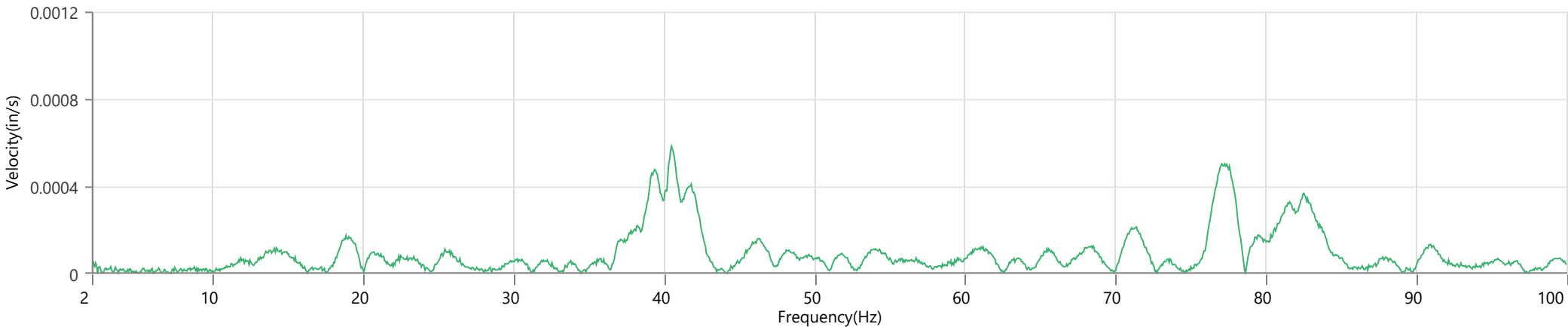
Notes	
Location	Station 4
Client	Spicewood Crushed Stone
Company	Hwy 71 Quarry
General Notes	IGS, Inc.

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

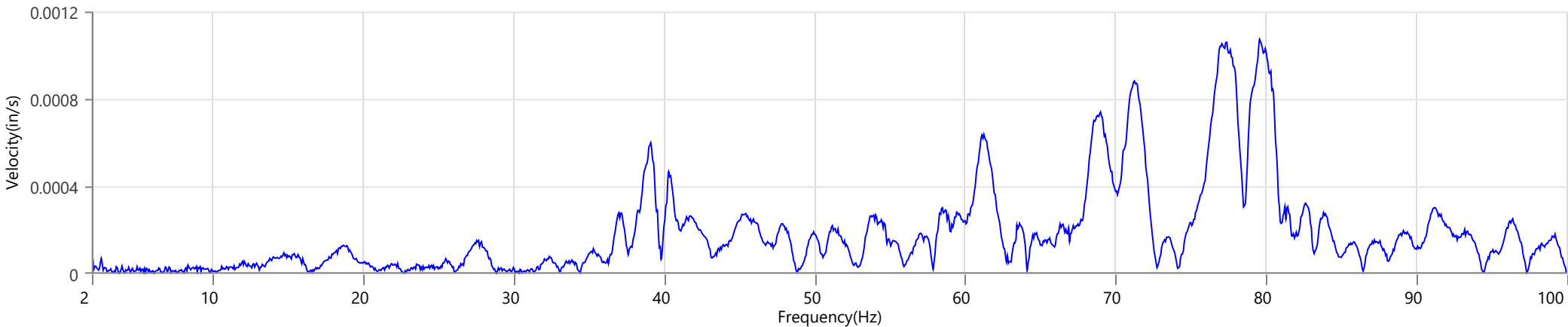
Tran - Dominant Frequency 39.3 Hz, Amplitude 0.0006 in/s (Peak Particle Velocity: 0.0633 in/s)



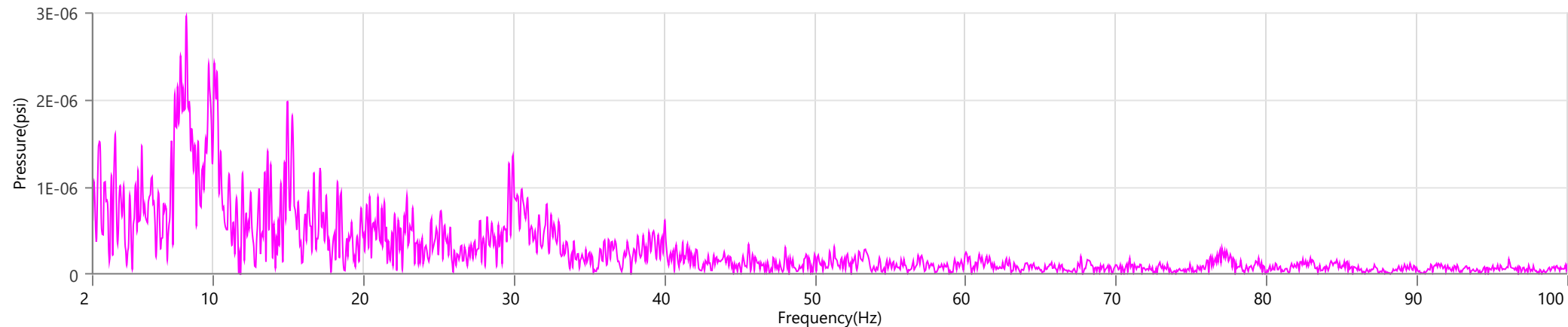
Vert - Dominant Frequency 40.5 Hz, Amplitude 0.0006 in/s (Peak Particle Velocity: 0.0472 in/s)



Long - Dominant Frequency 79.6 Hz, Amplitude 0.0011 in/s (Peak Particle Velocity: 0.0689 in/s)



Mic - Dominant Frequency 8.2 Hz, Amplitude 0.00000 psi (Peak Sound Pressure Level: 0.000081 psi)



Waveform Trigger Source Long at September 9, 2025 13:18:33
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_20250909131833.IDFW
USB Sensor Support Disabled

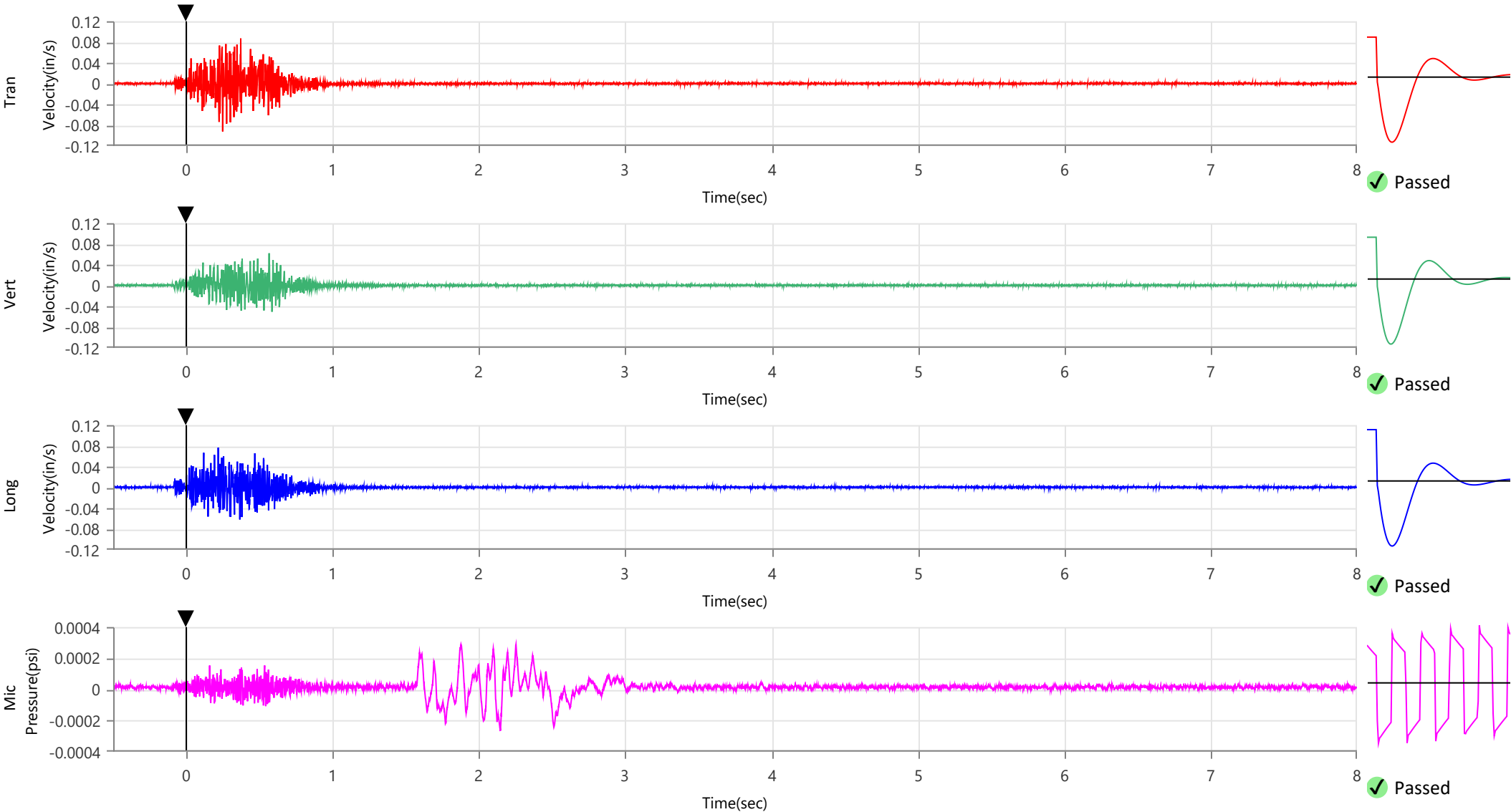
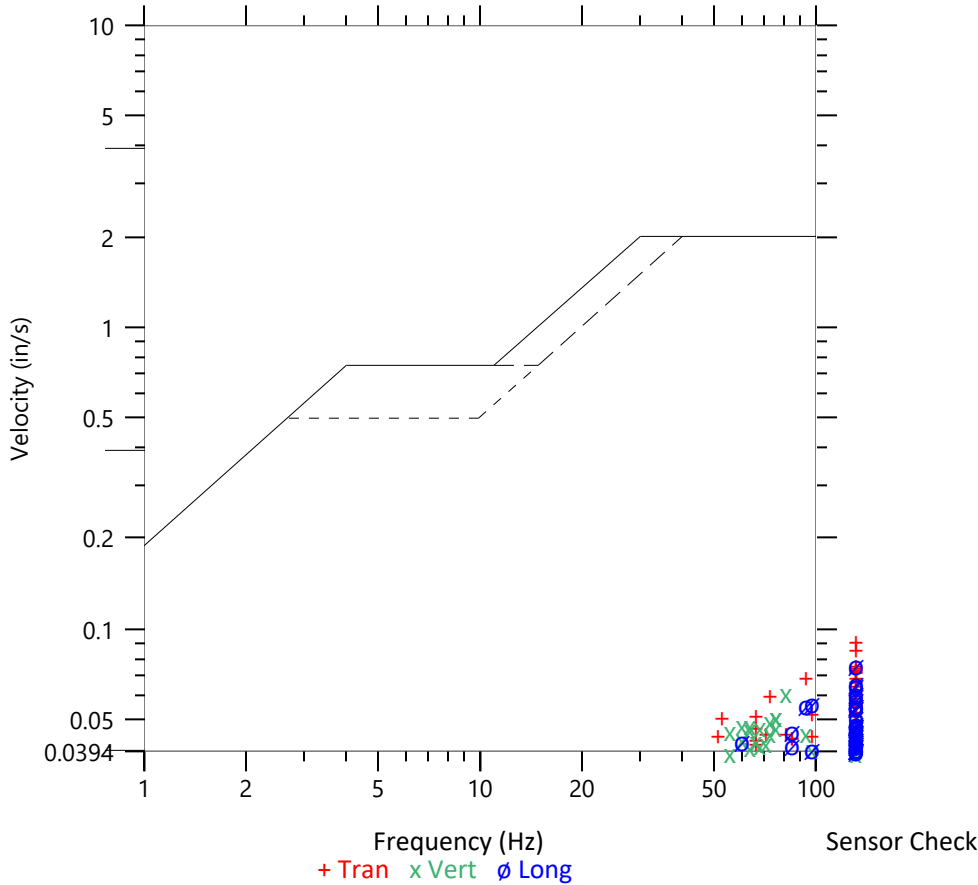
Notes
Location Station 5
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0922 in/s	0.0621 in/s	0.0766 in/s
Zero Crossing Frequency	>100 Hz	81.9 Hz	>100 Hz
Time (Relative to Trigger)	0.249 sec	0.566 sec	0.219 sec
Peak Acceleration	0.188 g	0.092 g	0.151 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.7 Hz	7.1 Hz
Overswing Ratio	3.4	3.5	3.6
Peak Vector Sum	0.0924 in/s at 0.249 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.000288 psi
Peak Sound Pressure Level 99.9 dB(L)
Time (Relative to Trigger) 1.877 sec
Zero Crossing Frequency 10.1 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1371 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



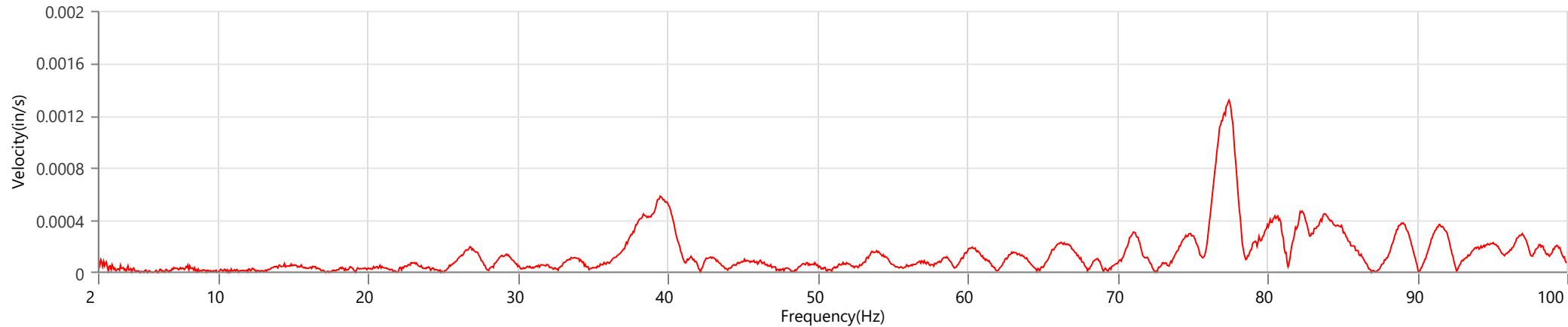
Waveform Trigger Source Long at September 9, 2025 13:18:33
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 5.mmb
Operator Operator

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_20250909131833.IDFW
USB Sensor Support Disabled

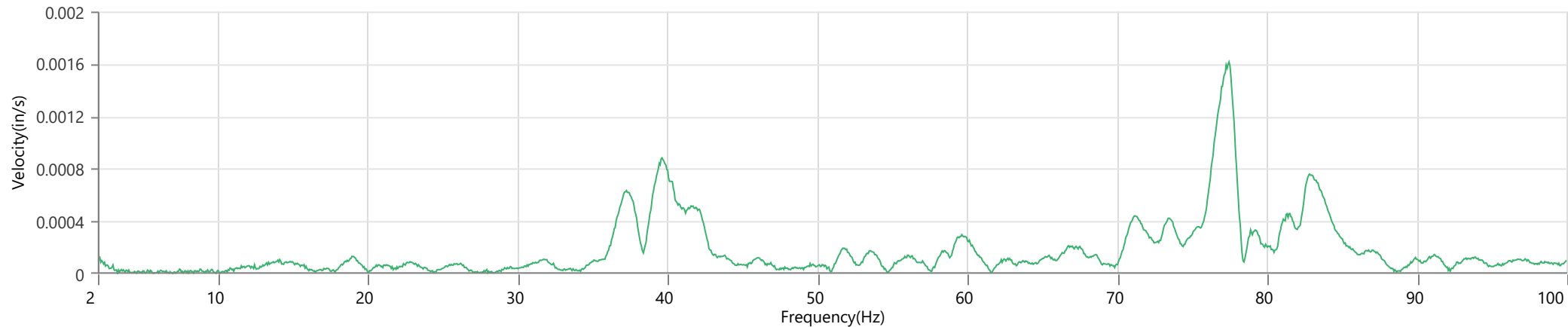
Notes
Location Station 5
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

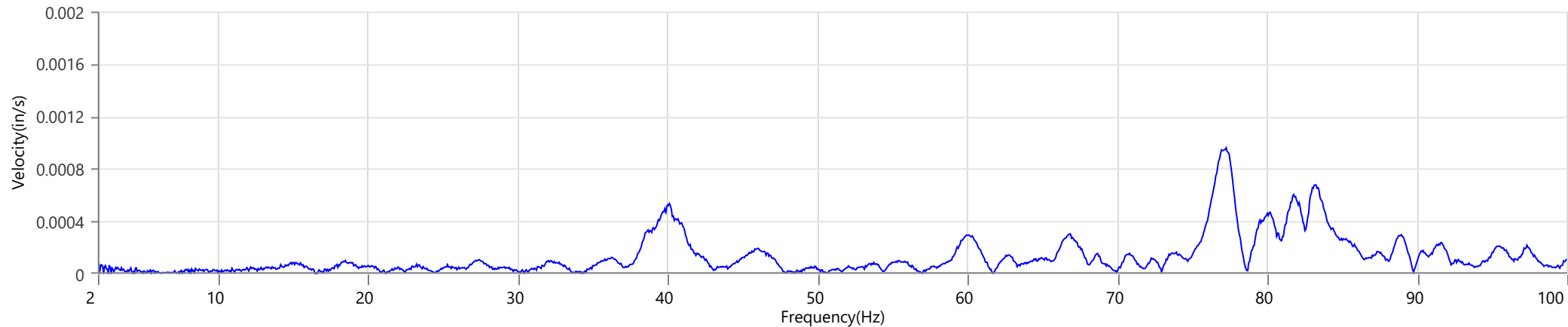
Tran - Dominant Frequency 77.4 Hz, Amplitude 0.0013 in/s (Peak Particle Velocity: 0.0922 in/s)



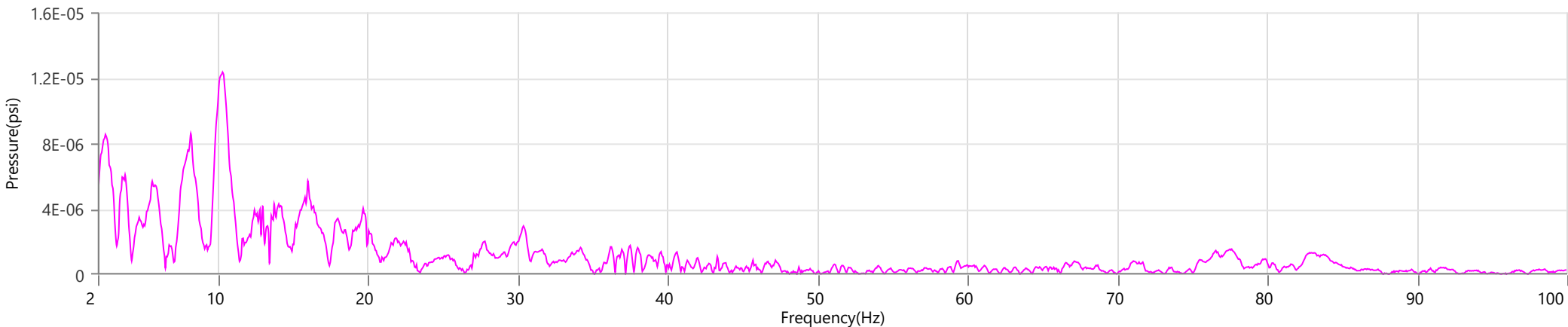
Vert - Dominant Frequency 77.4 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.0621 in/s)



Long - Dominant Frequency 77.2 Hz, Amplitude 0.0010 in/s (Peak Particle Velocity: 0.0766 in/s)



Mic - Dominant Frequency 10.3 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000288 psi)



Waveform Trigger Source Long at September 9, 2025 13:18:32
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_20250909131832.IDFW
USB Sensor Support Disabled

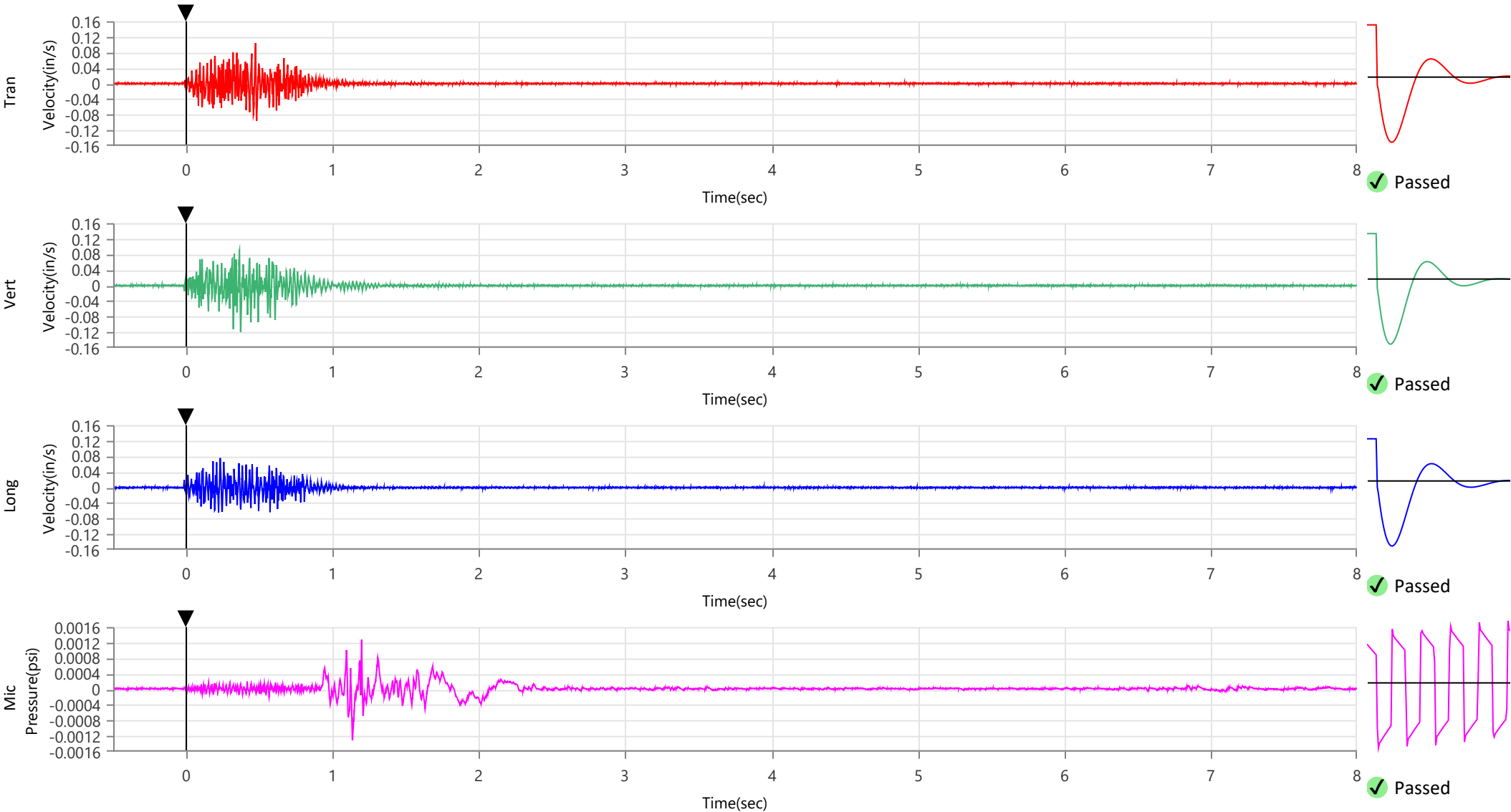
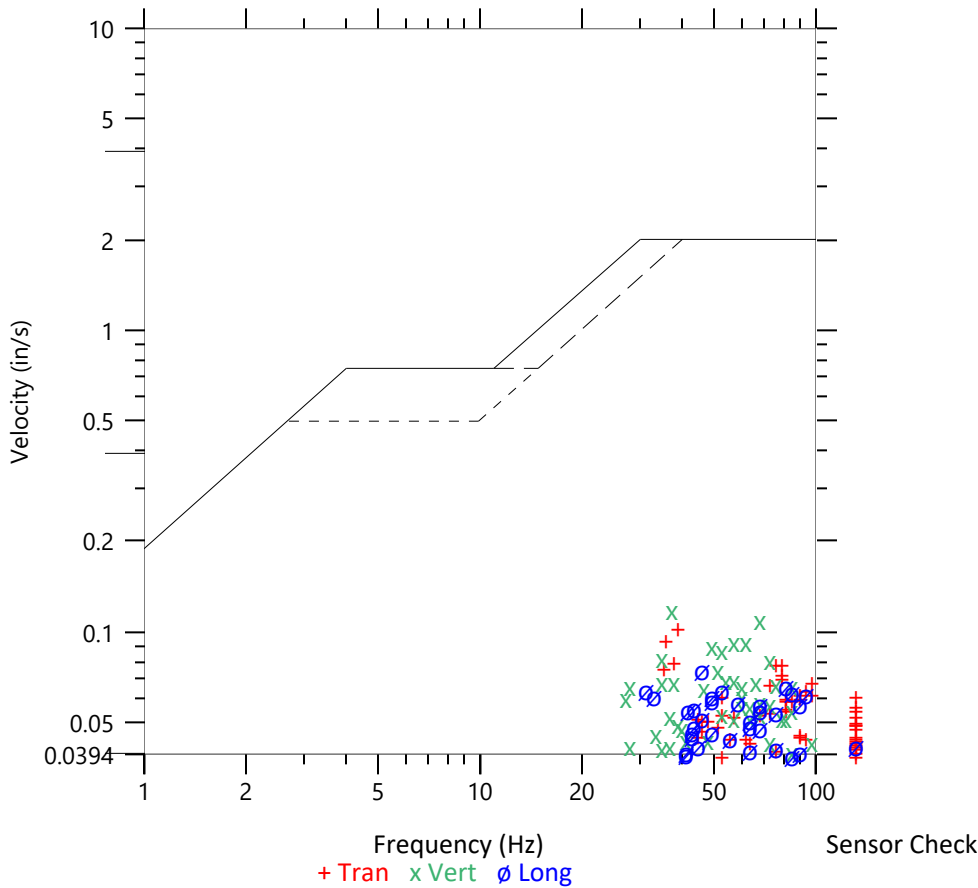
Notes
Location Station 6
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1043 in/s	0.1195 in/s	0.0754 in/s
Zero Crossing Frequency	38.6 Hz	37.2 Hz	44.5 Hz
Time (Relative to Trigger)	0.473 sec	0.372 sec	0.231 sec
Peak Acceleration	0.128 g	0.138 g	0.102 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.9 Hz	7.3 Hz
Overswing Ratio	3.5	3.7	3.7
Peak Vector Sum	0.1393 in/s at 0.372 sec		

ISEE Linear Microphone	
Peak Sound Pressure Level	0.001310 psi
Peak Sound Pressure Level	113.1 dB(L)
Time (Relative to Trigger)	1.135 sec
Zero Crossing Frequency	13.2 Hz
Sensor Check	✓ Passed
Frequency	20.5 Hz
Test Amplitude	1494 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



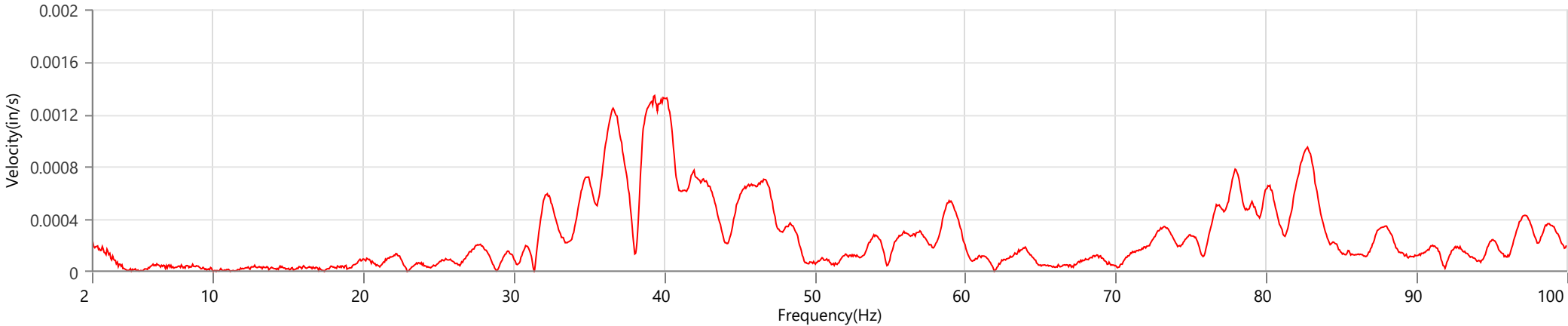
Waveform Trigger Source Long at September 9, 2025 13:18:32
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 6.mmb
Operator Operator

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_20250909131832.IDFW
USB Sensor Support Disabled

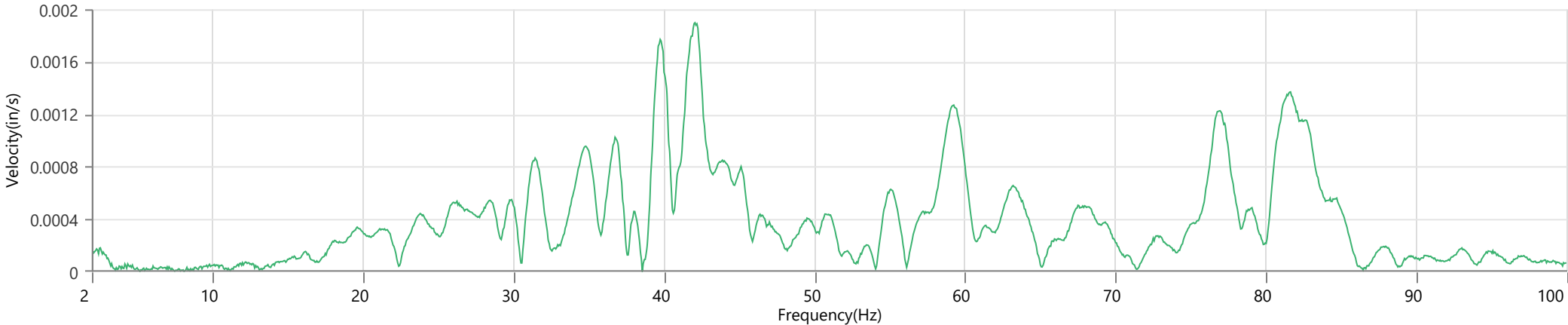
Notes
Location Station 6
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

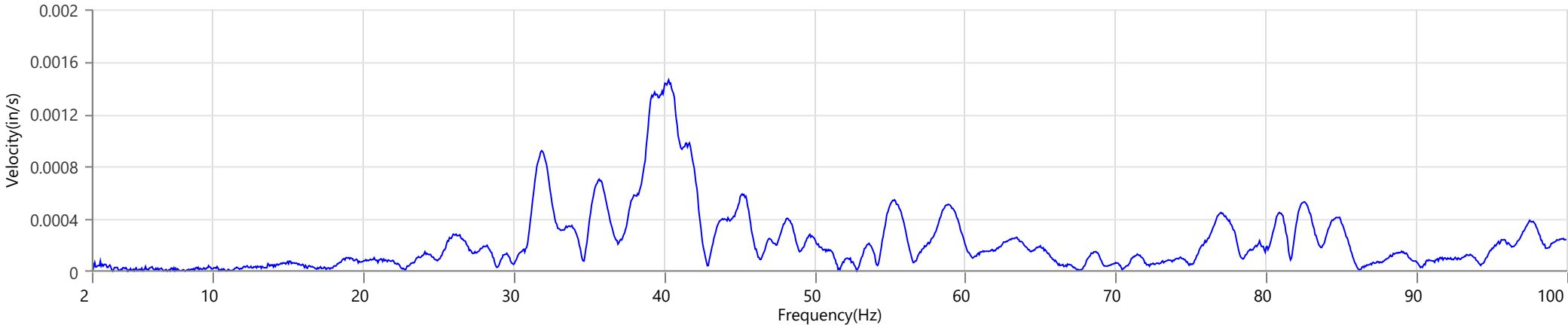
Tran - Dominant Frequency 39.4 Hz, Amplitude 0.0013 in/s (Peak Particle Velocity: 0.1043 in/s)



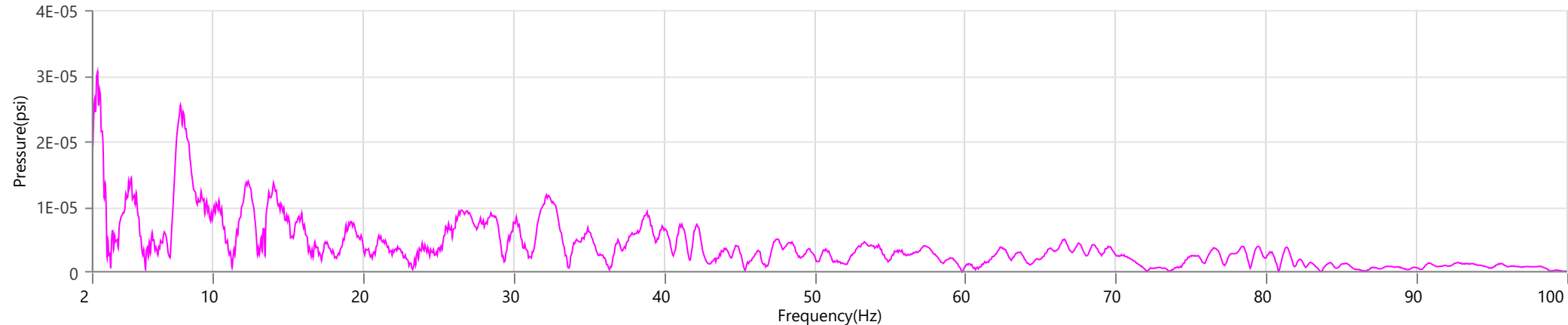
Vert - Dominant Frequency 42.1 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.1195 in/s)



Long - Dominant Frequency 40.3 Hz, Amplitude 0.0015 in/s (Peak Particle Velocity: 0.0754 in/s)



Mic - Dominant Frequency 2.4 Hz, Amplitude 0.00003 psi (Peak Sound Pressure Level: 0.001310 psi)



Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

September 9, 2025 00:00:05

September 9, 2025 23:29:59

1409.91/60 sec

4096 sps

Spicewood Hwy 71 - Noise 2.mmb

Operator

Serial Number

Model Number

Battery Level

Unit Calibration

Microphone Calibration

Event File Name

USB Sensor Support

UM21408

Micromate ISEE 11.0AK

3.8 volts

May 22, 2025 by Instantel

UA10767, February 18, 2025 by Instantel

UM21408_20250909000005.IDFH

Disabled

Notes

Location

Client

Company

General Notes

Noise 2

Spicewood Crushed Stone

Hwy 71 Quarry

IGS, Inc.

Extended Note

Post Event Notes

Station 5N30.49911 W98.21538

No text to be displayed.

Sound Level Microphone

LMax

Date

Time

Sound(dB(A))

Sensor Check

Test Amplitude

A-Weight Slow

71.0 dB(A)

Sep 9, 2025

13:31:05

LMin

L10

L90

Leq

34.7

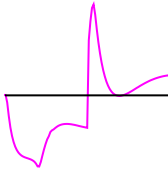
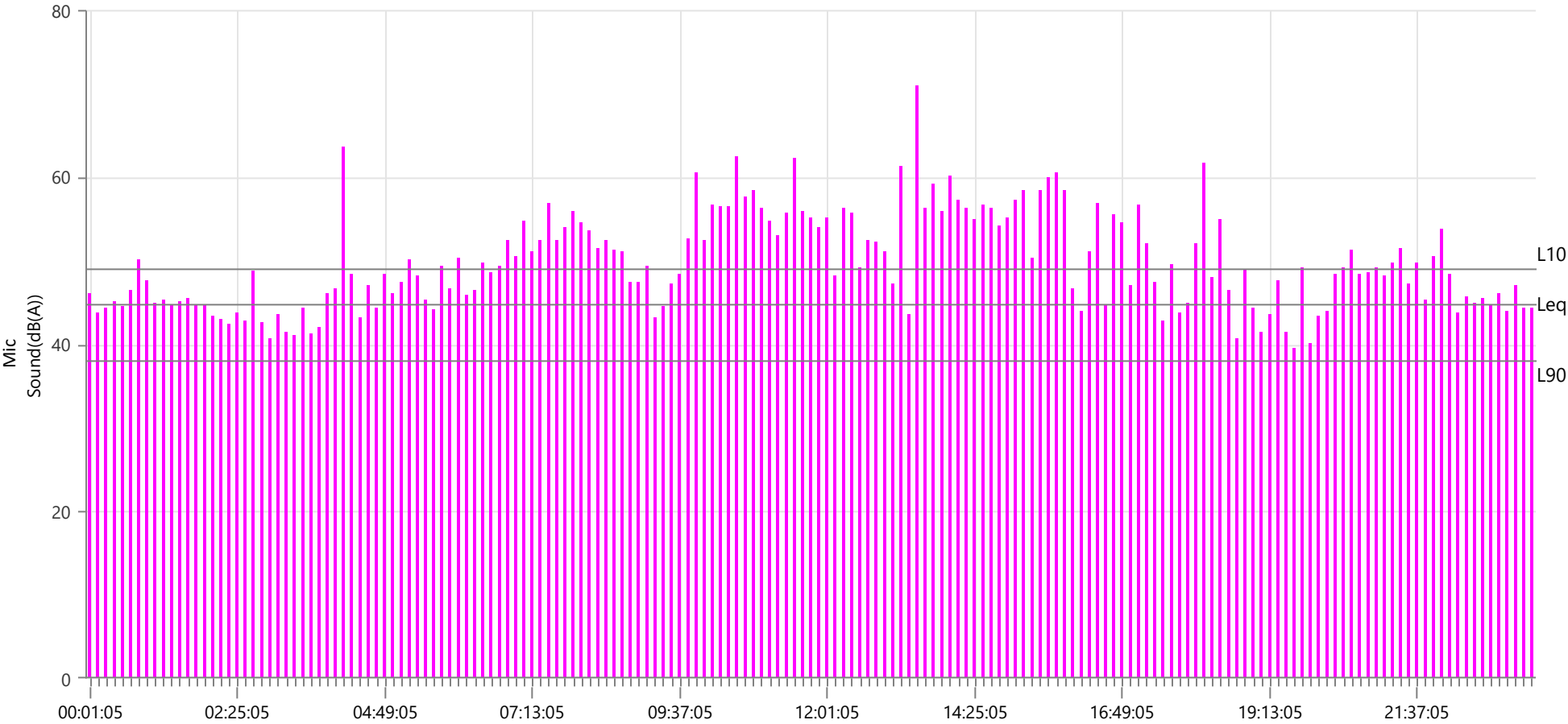
49

38

44.8

✓ Passed

1112 mv



✓ Passed

Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

September 9, 2025 00:00:05

September 9, 2025 23:29:59

42297.25/2 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_20250909000005.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

75.0 dB(A)

Sep 9, 2025

06:34:53

LMin

L10

L90

Leq

35.0

52

37

49.4

Sound(dB(A))

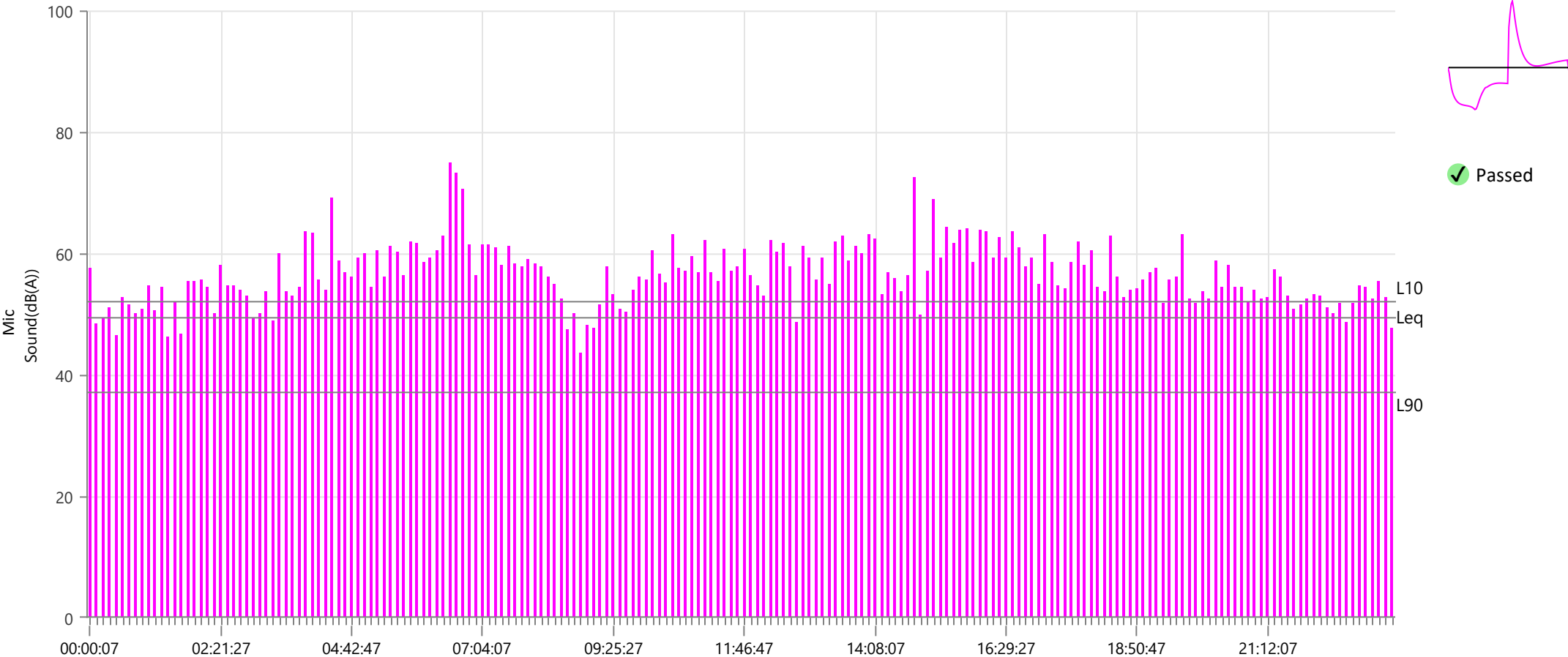
Sensor Check

Test Amplitude

✓ Passed

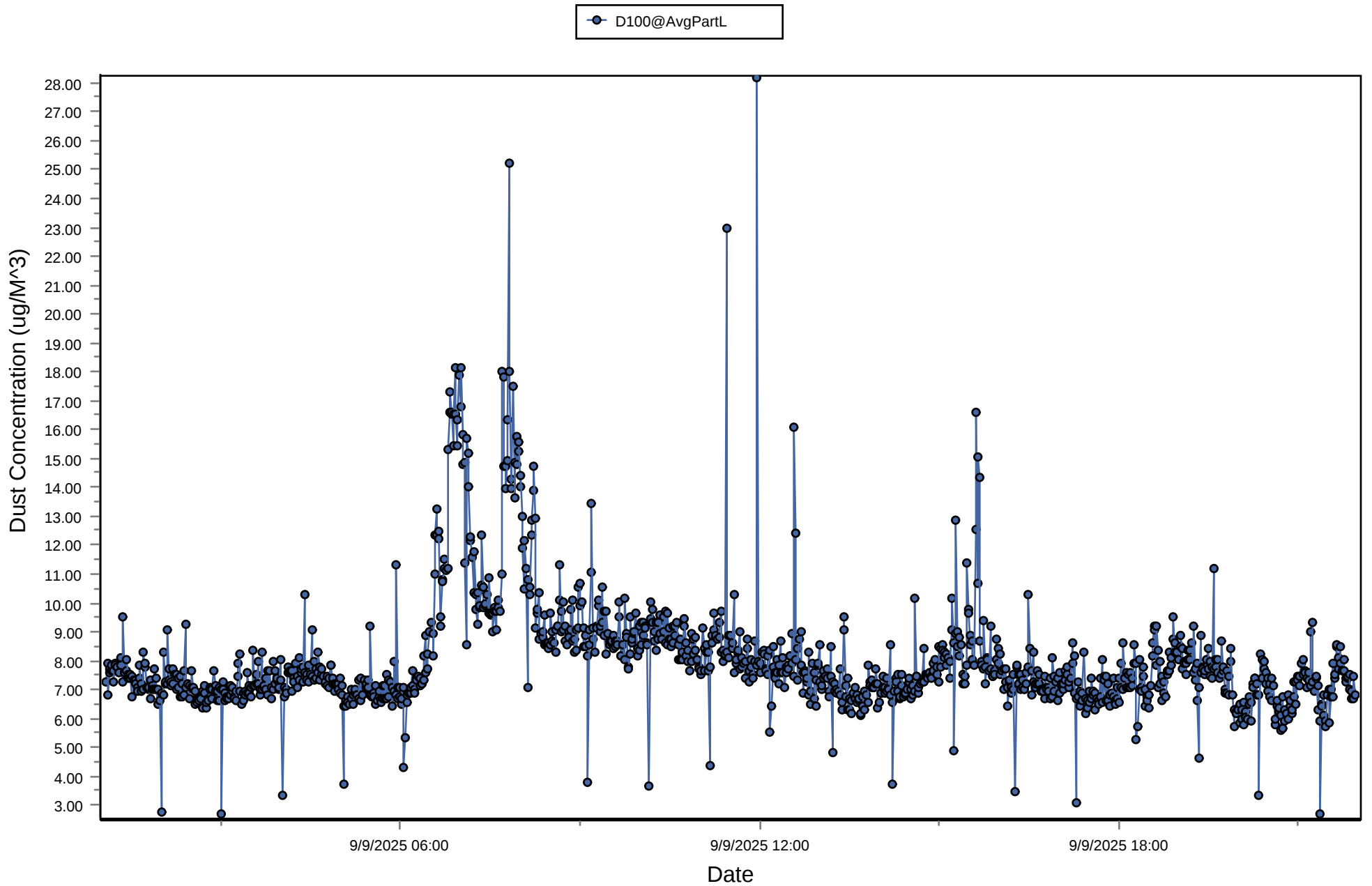
981 mv

Sensor Check



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

