

Date/Time	Unit	Unit Location	Blast		Distance	PPV	Geo ZCF	Sound Level Microphone			
			Blast Number	Blast Location				PSPL	Peak	Time of Peak	Leq
02/21/22 0:00	UM13917	Noise 2	04-22	Level 1	2146.0 ft	-	-	-	68.9 dB(A)	19:34:09	34.1 dB
02/21/22 0:00	UM13416	Noise 3	04-22	Level 1	1990.5 ft	-	-	-	>142.0(A)	18:50:04	80.4 dB
02/21/22 10:50	UM8173	Station 1	04-22	Level 1	1820.8 ft	0.0754 in/s	47.6 Hz	115.7 dB(L)	-	-	-
02/21/22 10:50	UM9068	Station 2	04-22	Level 1	1836.6 ft	0.1145 in/s	81.9 Hz	115.1 dB(L)	-	-	-
02/21/22 10:50	UM6460	Station 3	04-22	Level 1	1914.3 ft	0.0776 in/s	>100.0 Hz	118.6 dB(L)	-	-	-
02/21/22 10:50	UM7153	Station 4	04-22	Level 1	2070.8 ft	0.0481 in/s	64.0 Hz	115.6 dB(L)	-	-	-
02/21/22 10:50	UM13415	Station 5	04-22	Level 1	2148.3 ft	0.0580 in/s	44.5 Hz	109.8 dB(L)	-	-	-
02/21/22 10:50	UM7453	Station 6	04-22	Level 1	1098.4 ft	0.4769 in/s	44.5 Hz	110.7 dB(L)	-	-	-

Spicewood Hwy 71 - Station 5 ~ Spicewood Hwy 71 North Dust

Spicewood Hwy 71 - Station 4

Spicewood Hwy 71 - Station 3

Spicewood Hwy 71 - Station 2

04-22

Spicewood Hwy 71 - Station 1

Spicewood Hwy 71 - Station 6

Spicewood Hwy 71 - South Dust

Spicewood Hwy 71 - Noise 3

Double Horn Boat & RV Storage

Start February 21, 2022 00:00:09
Finish February 21, 2022 22:55:49
Number of Intervals/Interval 1375.67/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

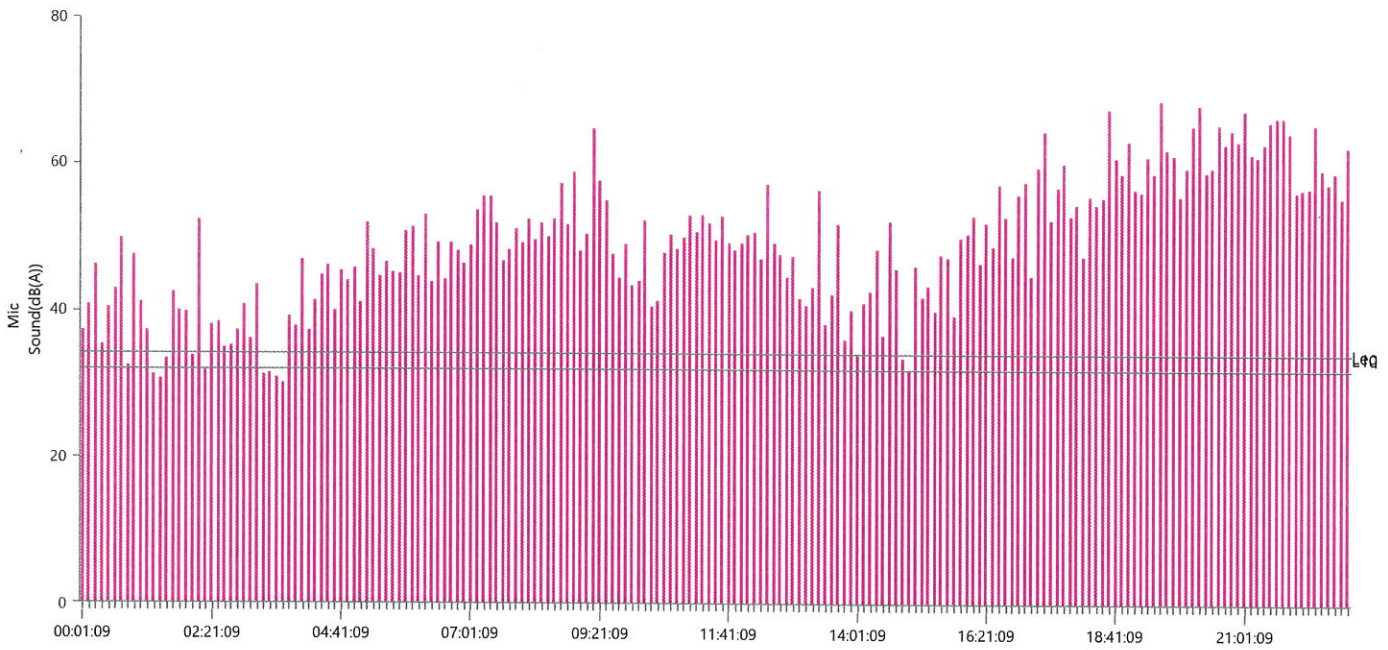
Serial Number UM13917
Model Number Micromate ISEE 10.90FB
Battery Level 3.8 volts
Unit Calibration November 23, 2021 by InstanTel
Microphone Calibration UA10859, September 30, 2021 by InstanTel
Event File Name UM13917_20220221000009.IDFH
USB Sensor Support Disabled

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 68.9 dB(A)
Date Feb 21, 2022
Time 19:34:09
Sound(dB(A))
Sensor Check Passed
Test Amplitude 1093 mv

A-Weight Slow	LMin	L10	L90	Leq
	<30	32	<30	34.1



Start February 21, 2022 00:00:04
Finish February 21, 2022 22:24:01
Number of Intervals/Interval 1343.95/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 3.mmb
Operator Operator

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

UM13416
 Micromate ISEE 10.90FB
 3.8 volts
 August 24, 2021 by InstanTel
 UM13416_20220221000004.IDFH
 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.

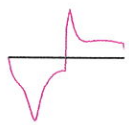
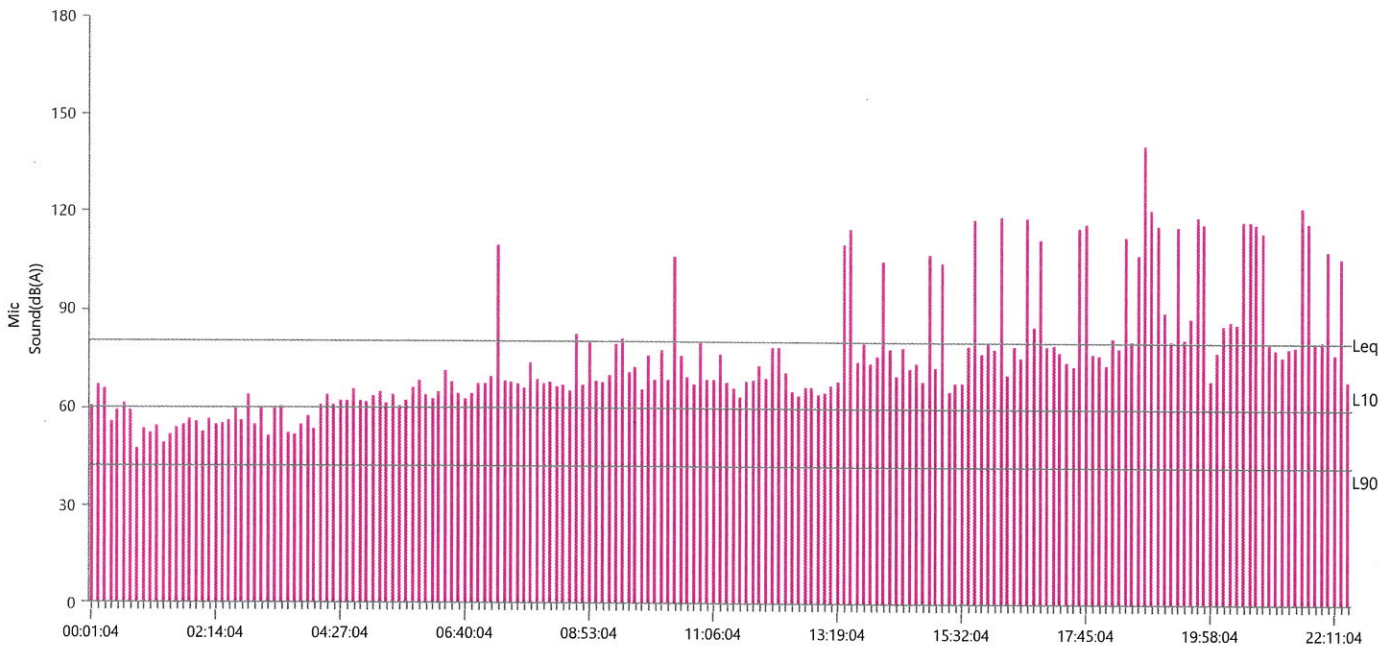
Sound Level Microphone

LMax
Date
Time
Sound(dB(A))
Sensor Check
Test Amplitude

A-Weight Slow

 Feb 21, 2022
 18:50:04
LMin **L10** **L90** **Leq**
 <30 60 42 80.4
 ✓ Passed
 1045 mv

Sensor Check



✓ Passed

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

Vert at February 21, 2022 10:50:11
 Geo 0.0200 in/s, Mic 0.01029 psi
 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

UM8173
 Micromate ISEE 10.90FB
 3.8 volts
 September 2, 2021 by InstanTel
 UM8173_20220221105011.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

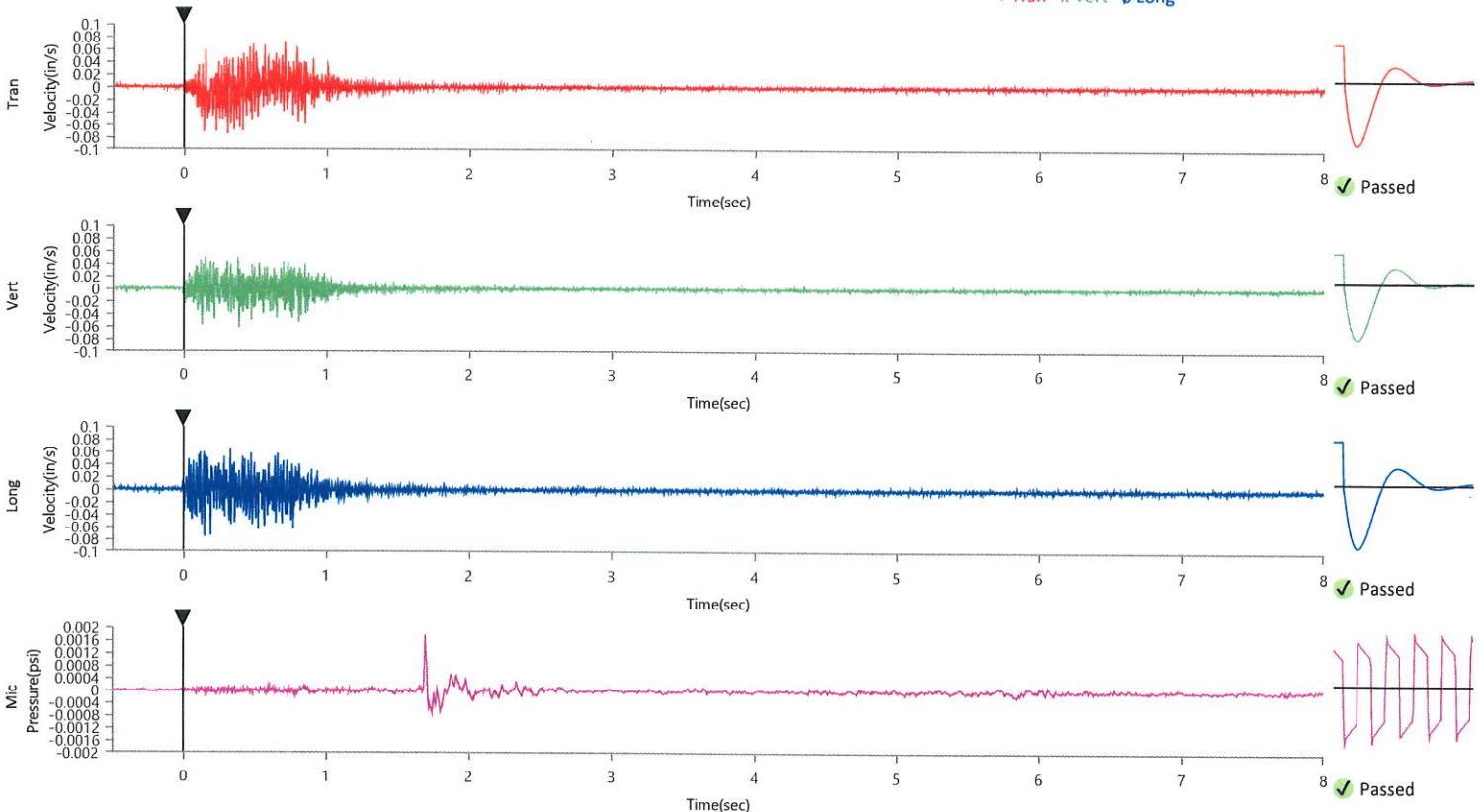
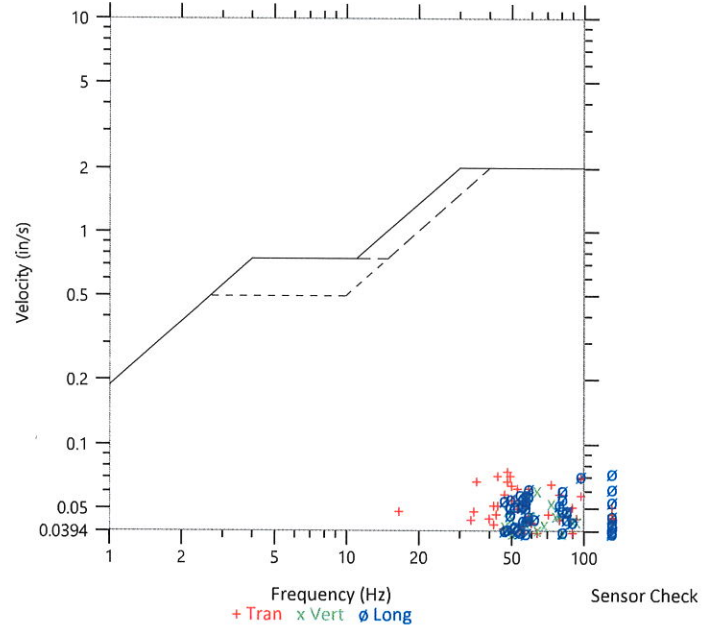
	Tran	Vert	Long
Peak Particle Velocity	0.0754 in/s	0.0624 in/s	0.0751 in/s
Zero Crossing Frequency	47.6 Hz	64.0 Hz	>100 Hz
Time (Relative to Trigger)	0.308 sec	0.387 sec	0.147 sec
Peak Acceleration	0.135 g	0.095 g	0.145 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.1	3.4	3.6

Peak Vector Sum 0.0851 in/s at 0.413 sec

ISEE Linear Microphone

Peak Sound Pressure Level	0.001766 psi
Peak Sound Pressure Level	115.7 dB(L)
Time (Relative to Trigger)	1.694 sec
Zero Crossing Frequency	16.4 Hz
Sensor Check	✓ Passed
Frequency	19.7 Hz
Test Amplitude	1359 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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

Vert at February 21, 2022 10:50:12
 Geo 0.0200 in/s, Mic 0.01029 psi
 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

UM9068
 Micromate ISEE 10.90FB
 3.8 volts
 December 2, 2021 by Instantel
 UM9068_20220221105012.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

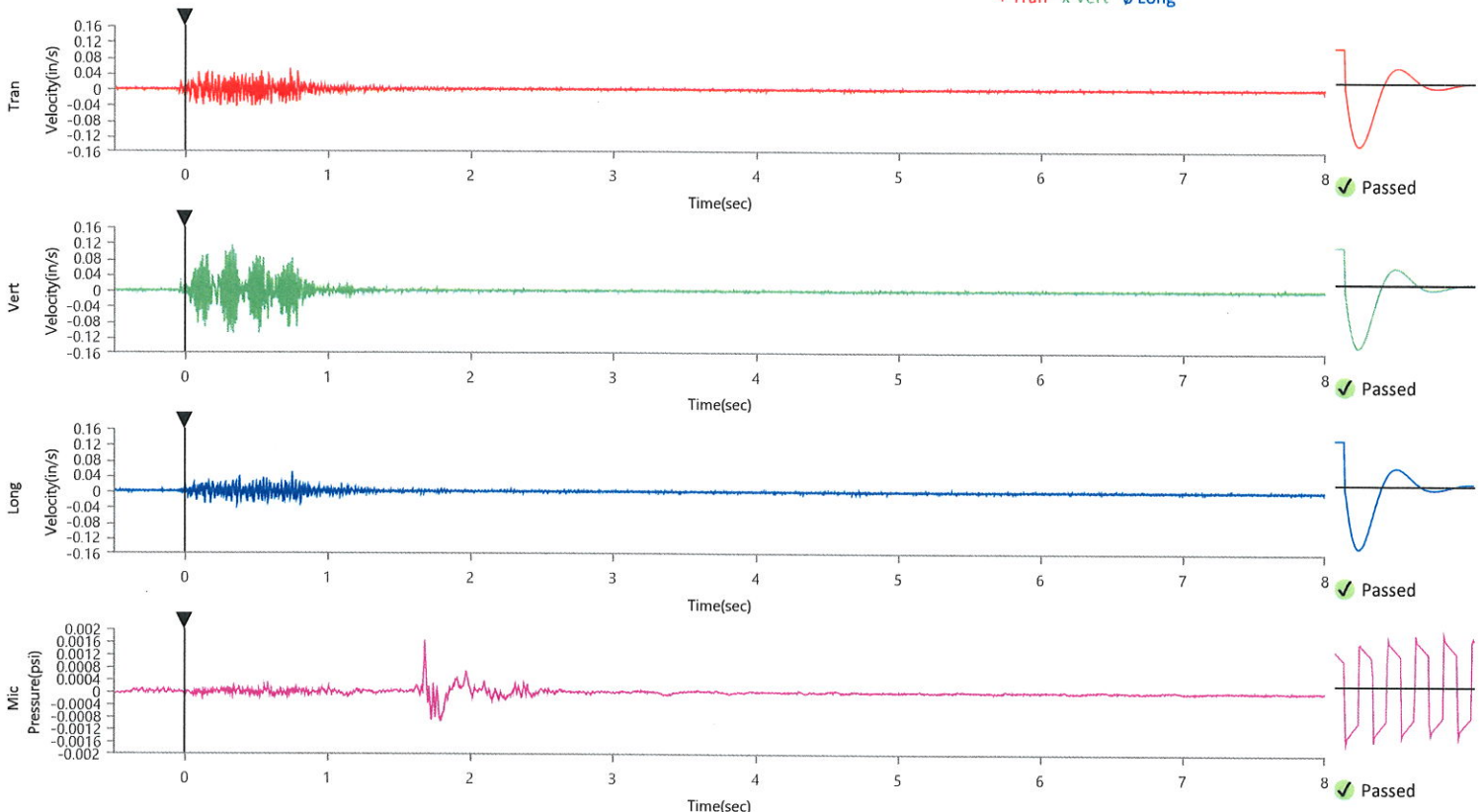
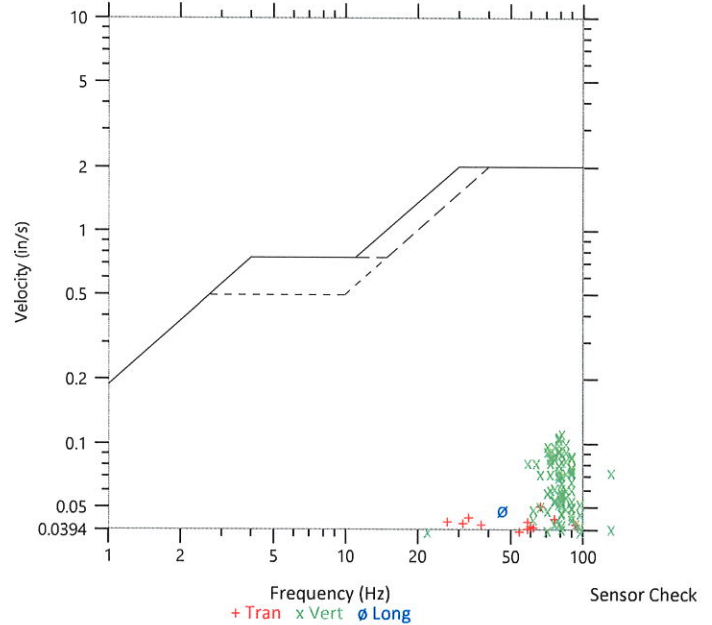
	Tran	Vert	Long
Peak Particle Velocity	0.0518 in/s	0.1145 in/s	0.0493 in/s
Zero Crossing Frequency	64.0 Hz	81.9 Hz	45.5 Hz
Time (Relative to Trigger)	0.736 sec	0.333 sec	0.754 sec
Peak Acceleration	0.079 g	0.161 g	0.063 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	4.1	3.8	3.5

Peak Vector Sum 0.1166 in/s at 0.338 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001645 psi
 Peak Sound Pressure Level 115.1 dB(L)
 Time (Relative to Trigger) 1.680 sec
 Zero Crossing Frequency 11.4 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1330 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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

Tran at February 21, 2022 10:50:11
 Geo 0.0200 in/s, Mic 0.01029 psi
 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

UM6460
 Micromate ISEE 10.90FB
 3.8 volts
 September 9, 2021 by InstanTel
 UM6460_20220221105011.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

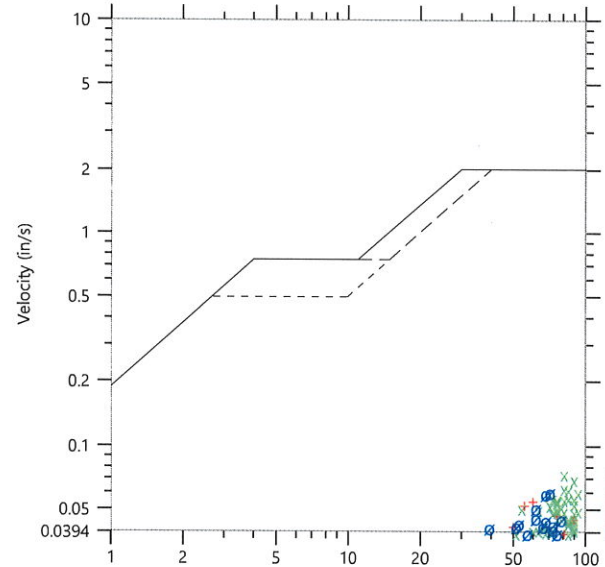
	Tran	Vert	Long
Peak Particle Velocity	0.0562 in/s	0.0776 in/s	0.0614 in/s
Zero Crossing Frequency	60.2 Hz	>100 Hz	70.6 Hz
Time (Relative to Trigger)	0.377 sec	0.326 sec	0.357 sec
Peak Acceleration	0.099 g	0.128 g	0.105 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	3.2	3.7	3.6

Peak Vector Sum 0.0849 in/s at 0.164 sec

ISEE Linear Microphone

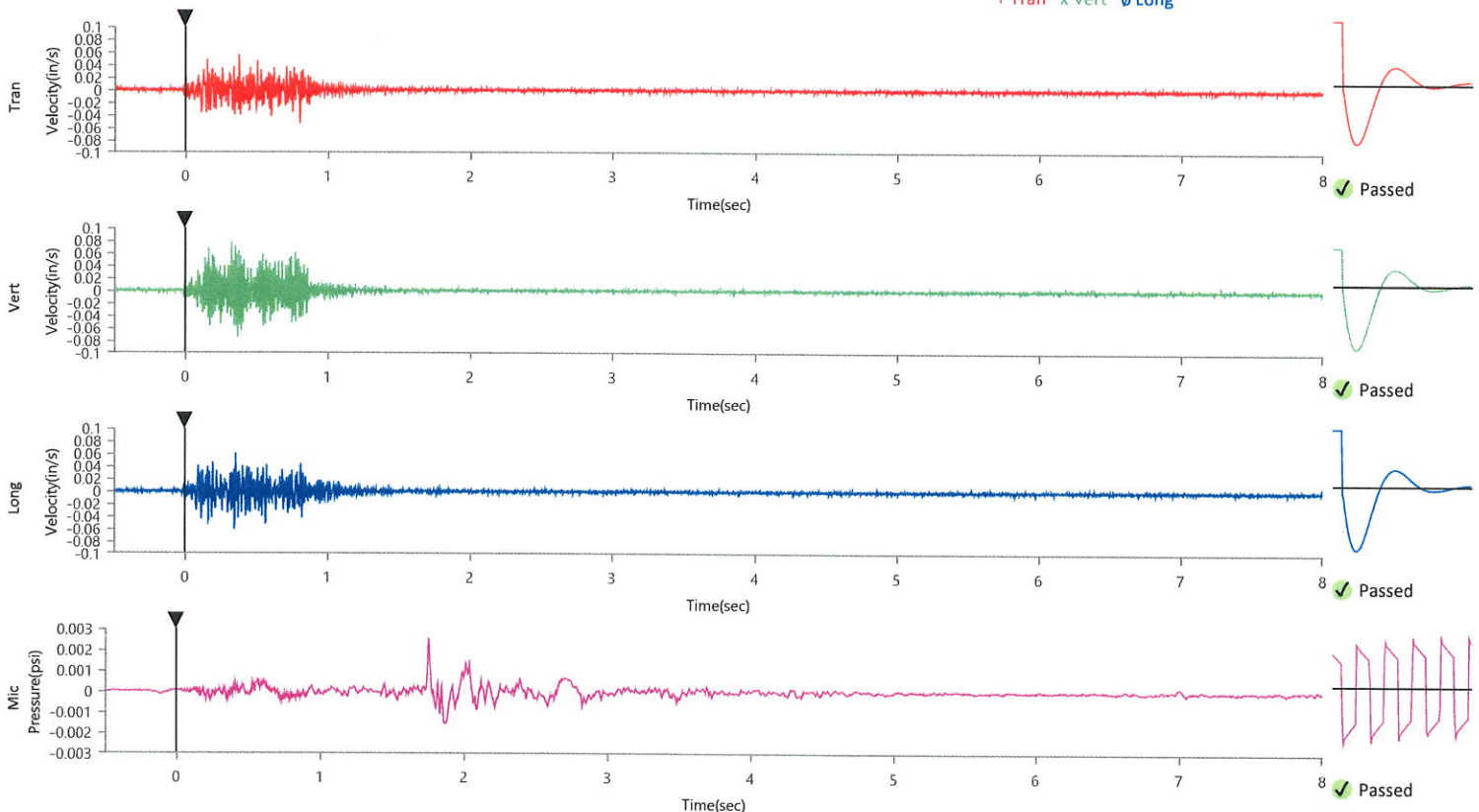
Peak Sound Pressure Level	0.002482 psi
Peak Sound Pressure Level	118.6 dB(L)
Time (Relative to Trigger)	1.756 sec
Zero Crossing Frequency	7.6 Hz
Sensor Check	✓ Passed
Frequency	19.7 Hz
Test Amplitude	1310 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Frequency (Hz)
 + Tran x Vert o Long

Sensor Check



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

Long at February 21, 2022 10:50:11
 Geo 0.0200 in/s, Mic 0.01029 psi
 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

UM7153
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by InstanTEL
 UM7153_20220221105011.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

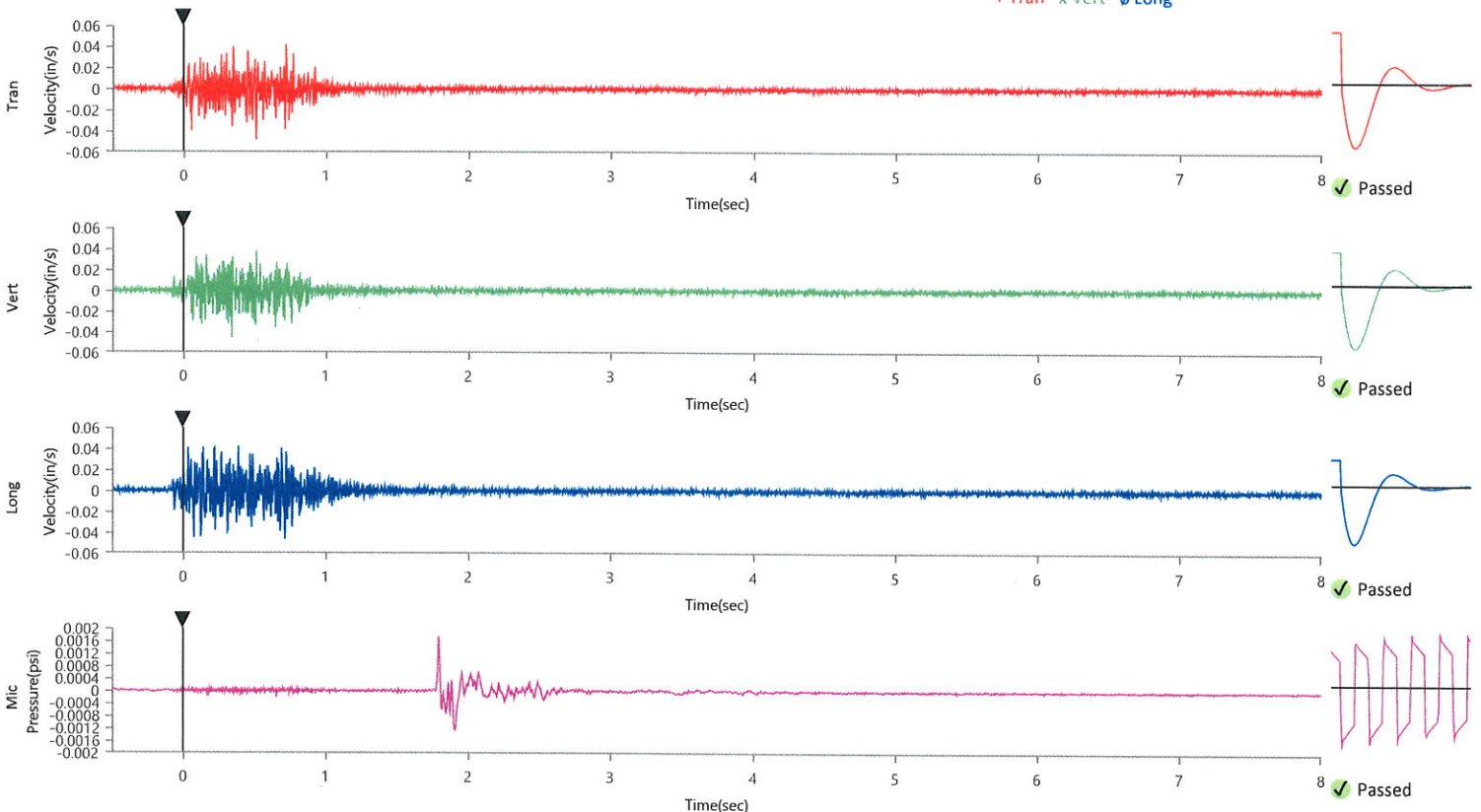
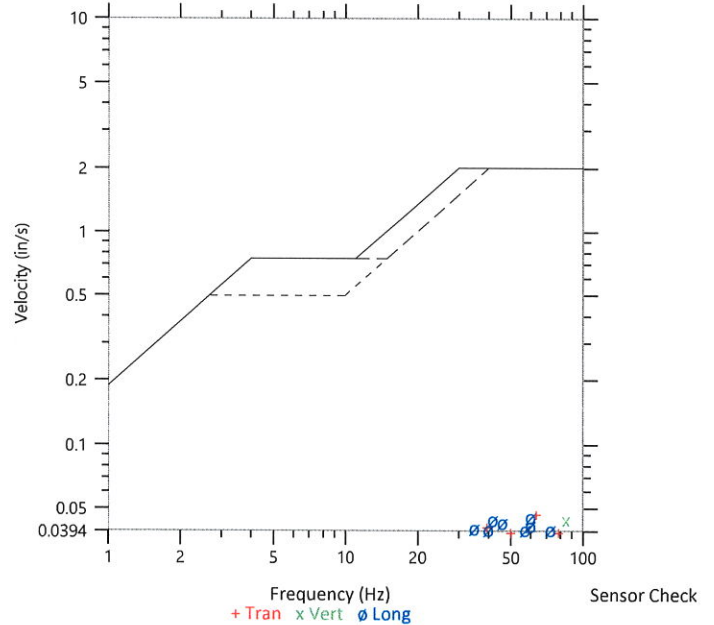
	Tran	Vert	Long
Peak Particle Velocity	0.0481 in/s	0.0453 in/s	0.0465 in/s
Zero Crossing Frequency	64.0 Hz	85.3 Hz	60.2 Hz
Time (Relative to Trigger)	0.509 sec	0.341 sec	0.714 sec
Peak Acceleration	0.056 g	0.072 g	0.069 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	3.6	3.7	4.7

Peak Vector Sum 0.0595 in/s at 0.341 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001753 psi
 Peak Sound Pressure Level 115.6 dB(L)
 Time (Relative to Trigger) 1.793 sec
 Zero Crossing Frequency 13.5 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1367 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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

Tran on February 21, 2022 10:50:12
 Geo 0.0200 in/s, Mic 0.01029 psi
 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

UM13415
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by Instantel
 UM13415_20220221105012.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

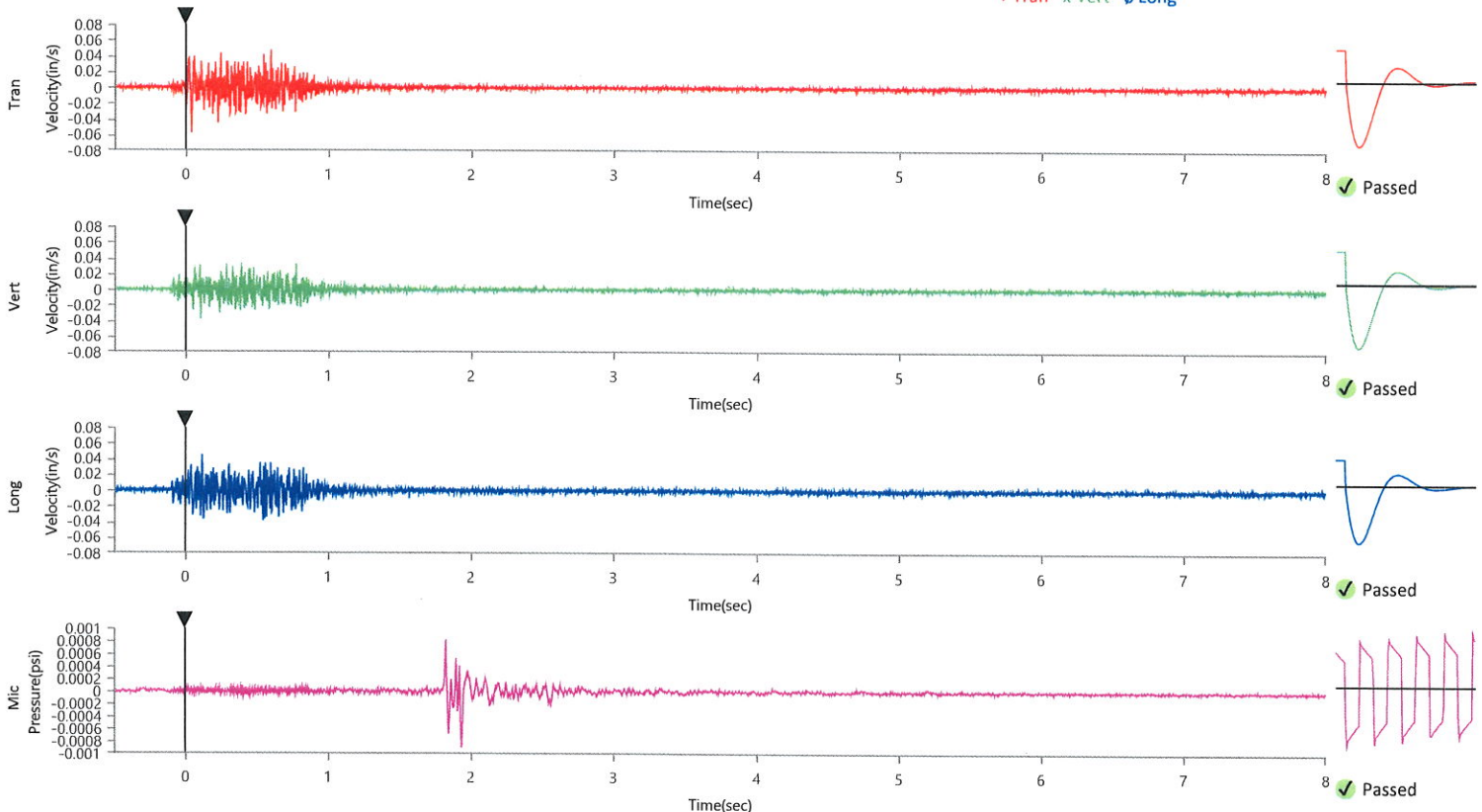
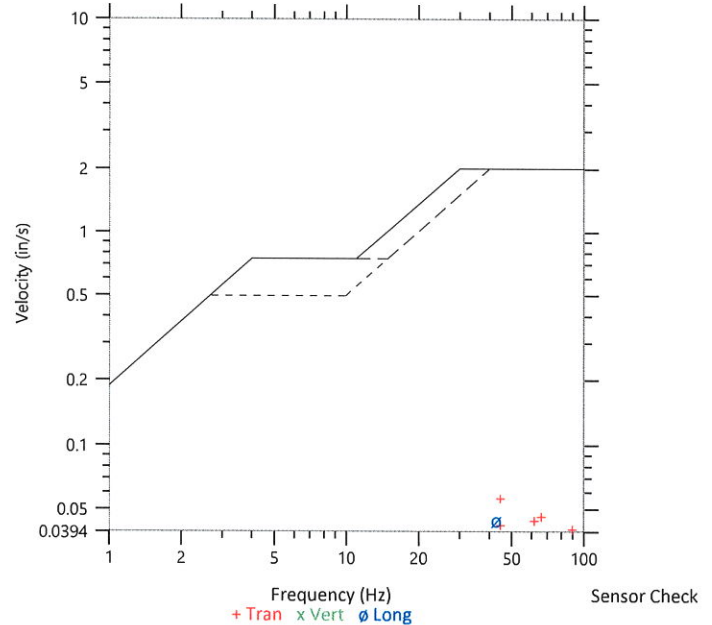
	Tran	Vert	Long
Peak Particle Velocity	0.0580 in/s	0.0382 in/s	0.0450 in/s
Zero Crossing Frequency	44.5 Hz	73.1 Hz	42.7 Hz
Time (Relative to Trigger)	0.039 sec	0.105 sec	0.117 sec
Peak Acceleration	0.076 g	0.059 g	0.066 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.1	4.6	4.9

Peak Vector Sum 0.0644 in/s at 0.039 sec

ISEE Linear Microphone

Peak Sound Pressure Level	0.000900 psi
Peak Sound Pressure Level	109.8 dB(L)
Time (Relative to Trigger)	1.934 sec
Zero Crossing Frequency	22.8 Hz
Sensor Check	✓ Passed
Frequency	19.7 Hz
Test Amplitude	1359 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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

Tran at February 21, 2022 10:50:11
 Geo 0.0200 in/s, Mic 0.01029 psi
 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

UM7453
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by Instantel
 UM7453_20220221105011.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

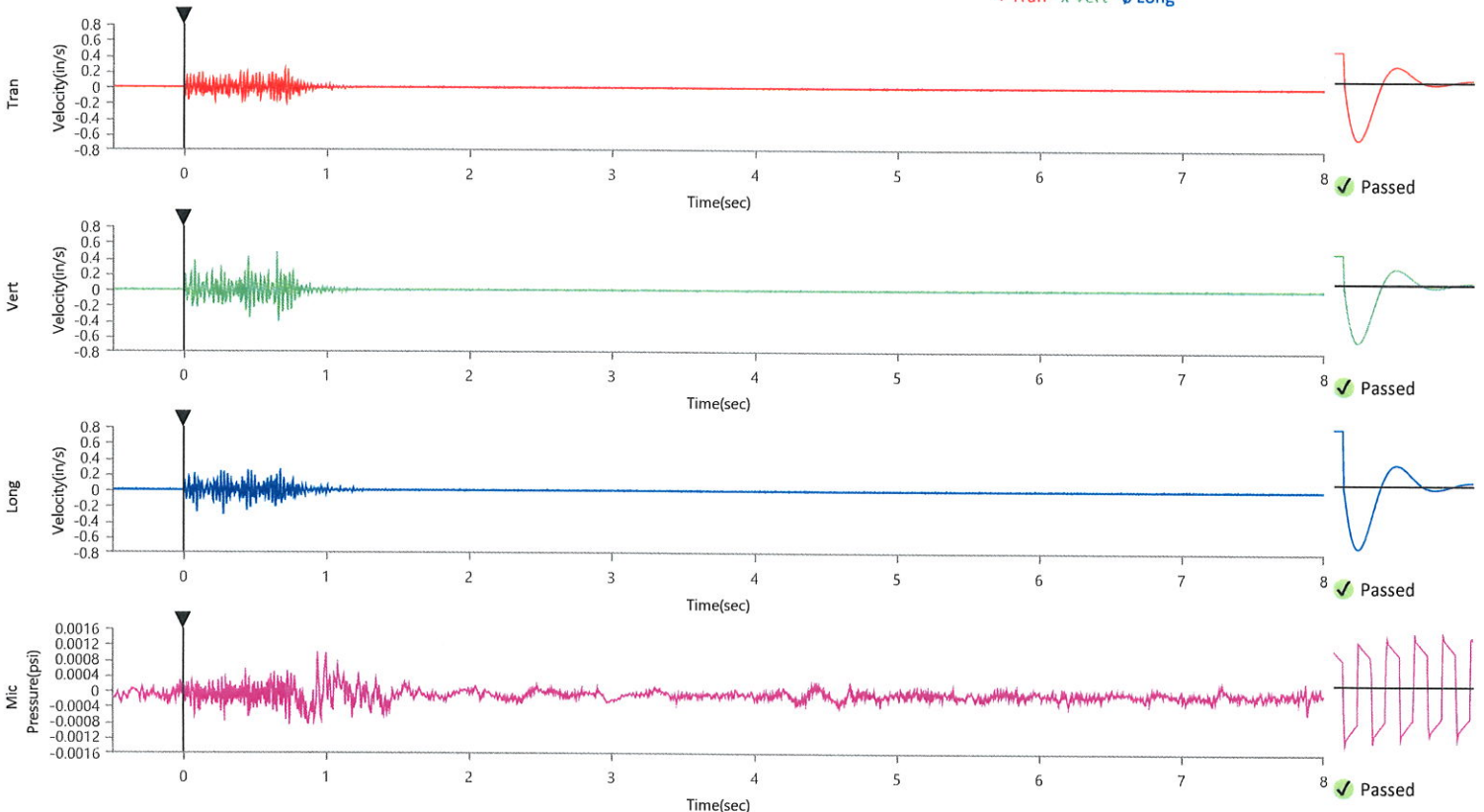
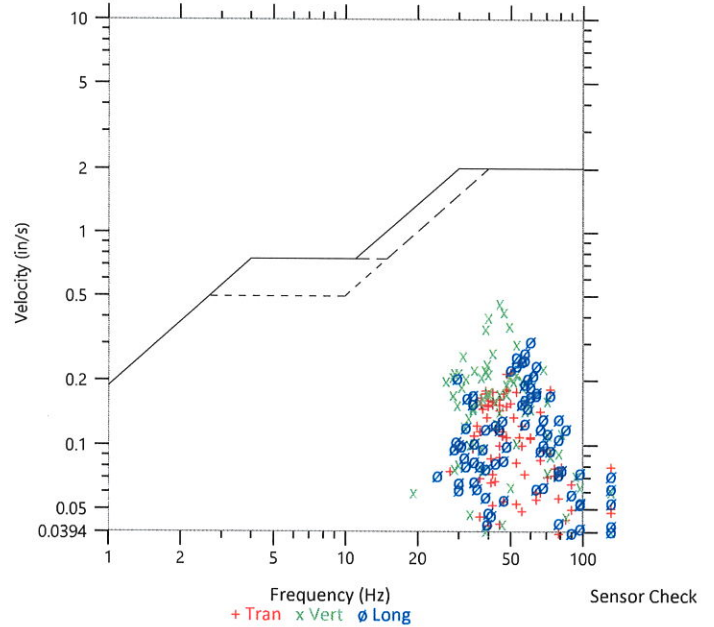
	Tran	Vert	Long
Peak Particle Velocity	0.2259 in/s	0.4769 in/s	0.3119 in/s
Zero Crossing Frequency	50.0 Hz	44.5 Hz	60.2 Hz
Time (Relative to Trigger)	0.730 sec	0.652 sec	0.278 sec
Peak Acceleration	0.260 g	0.378 g	0.293 g
Peak Displacement	0.001 in	0.002 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.7	3.7	3.1

Peak Vector Sum 0.5161 in/s at 0.652 sec

ISEE Linear Microphone

Peak Sound Pressure Level	0.000995 psi
Peak Sound Pressure Level	110.7 dB(L)
Time (Relative to Trigger)	0.938 sec
Zero Crossing Frequency	24.1 Hz
Sensor Check	✓ Passed
Frequency	19.7 Hz
Test Amplitude	1355 mv

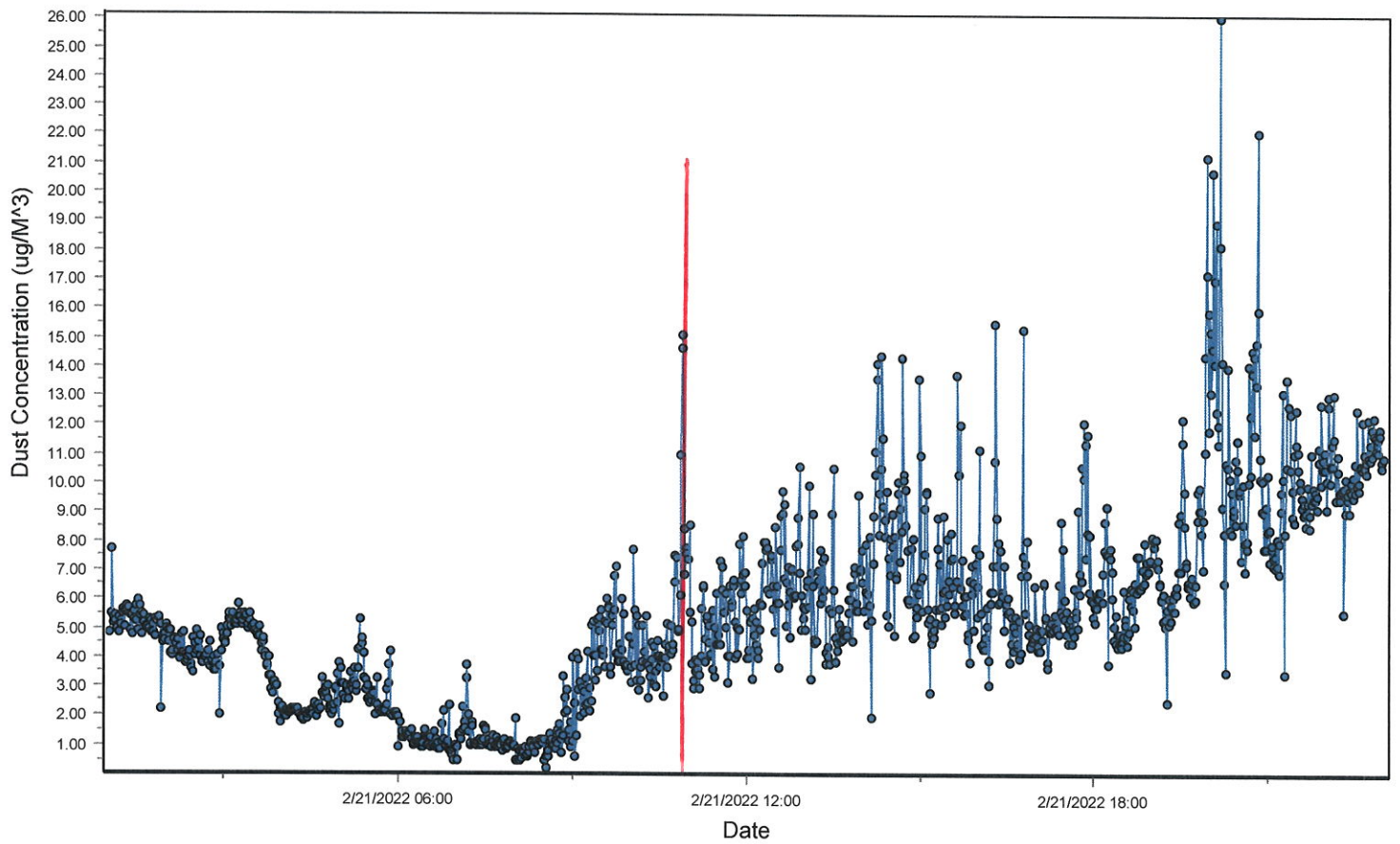
USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor

● D100@AvgPartL



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

● D100@AvgPartL

