

Date/Time	Unit	Unit Location	Blast Number	Blast	Blast Location	Distance	PPV	Geo ZCF	Sound Level Microphone			
									PSPL	Peak	Time of Peak	Leq
03/29/22 0:00	UM13917	Noise 2	06-22		Level 1	2515.4 ft	-	-	-	68.2 dB(A)	19:09:07	32.3 dB
03/29/22 0:00	UM13416	Noise 3	06-22		Level 1	2140.7 ft	-	-	-	141.0 dB(A)	17:23:09	78.3 dB
03/29/22 12:37	UM8173	Station 1	06-22		Level 1	2204.7 ft	0.1626 in/s	64.0 Hz	104.8 dB(L)	-	-	-
03/29/22 12:37	UM9068	Station 2	06-22		Level 1	2229.0 ft	0.1521 in/s	68.3 Hz	107.8 dB(L)	-	-	-
03/29/22 12:37	UM6460	Station 3	06-22		Level 1	2306.1 ft	0.1139 in/s	52.5 Hz	112.0 dB(L)	-	-	-
03/29/22 12:37	UM7153	Station 4	06-22		Level 1	2456.3 ft	0.1309 in/s	33.0 Hz	115.8 dB(L)	-	-	-
03/29/22 12:37	UM13415	Station 5	06-22		Level 1	2518.0 ft	0.0934 in/s	93.1 Hz	105.5 dB(L)	-	-	-
03/29/22 12:37	UM7453	Station 6	06-22		Level 1	712.3 ft	0.1825 in/s	46.5 Hz	124.3 dB(L)	-	-	-



Start March 29, 2022 00:00:07
Finish March 29, 2022 22:55:48
Number of Intervals/Interval 1375.68/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

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

UM13917
Micromate ISEE 10.90FB
3.8 volts
November 23, 2021 by Instantel
UA10859, September 30, 2021 by Instantel
UM13917_20220329000007.IDFH
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 68.2 dB(A)
Date Mar 29, 2022
Time 19:09:07

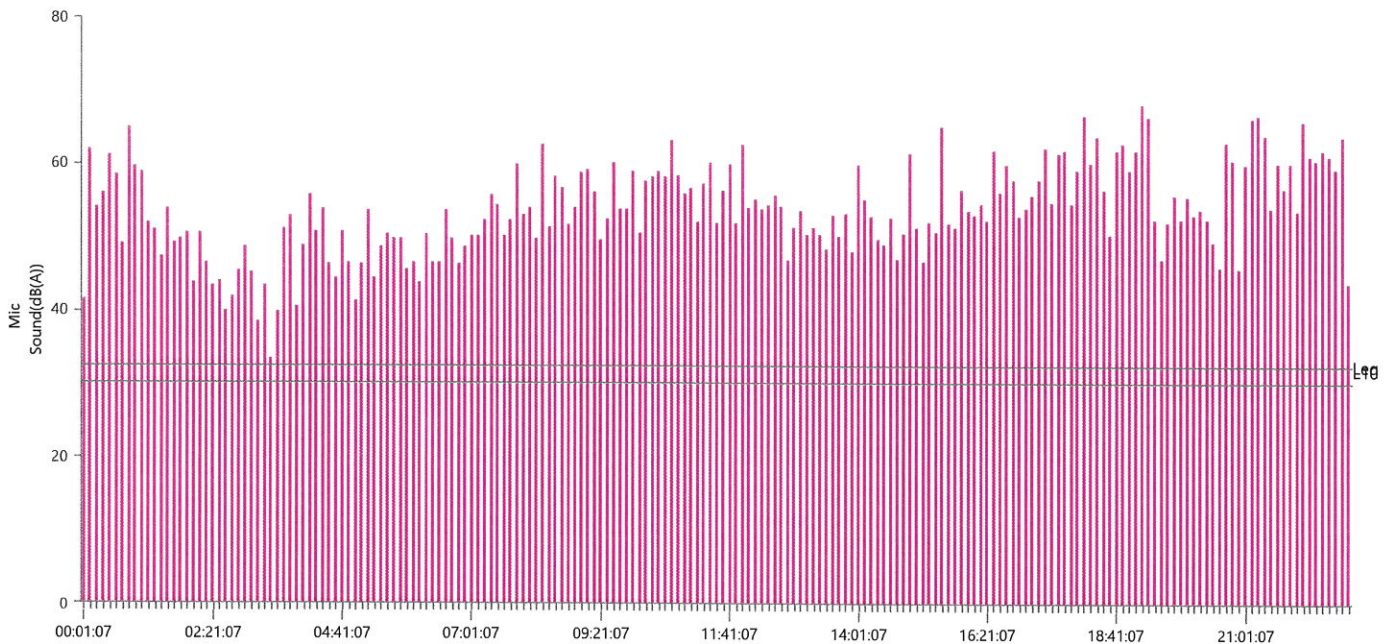
A-Weight Slow

LMin L10 L90 Leq
<30 30 <30 32.3

Sound(dB(A))
Sensor Check
Test Amplitude

✓ Passed
1080 mv

Sensor Check





Start March 29, 2022 00:00:09
Finish March 29, 2022 22:24:25
Number of Intervals/Interval 1344.28/60 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_20220329000009.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

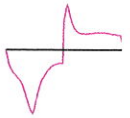
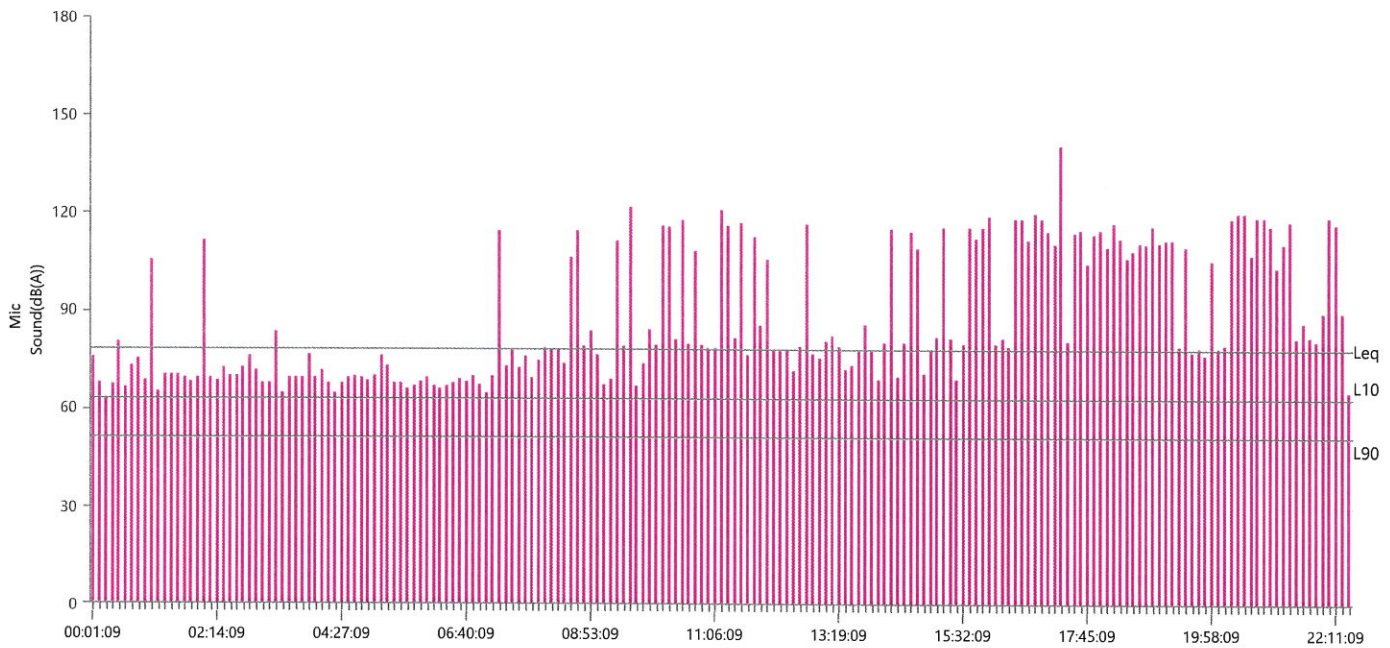
A-Weight Slow

Mar 29, 2022
17:23:09

LMin	L10	L90	Leq
<30	63	51	78.3

✓ Passed
988 mv

Sensor Check



✓ Passed

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

Long at March 29, 2022 12:37:43
 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

UM8173
 Micromate ISEE 10.90FB
 3.8 volts
 September 2, 2021 by Instantel
 UM8173_20220329123743.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

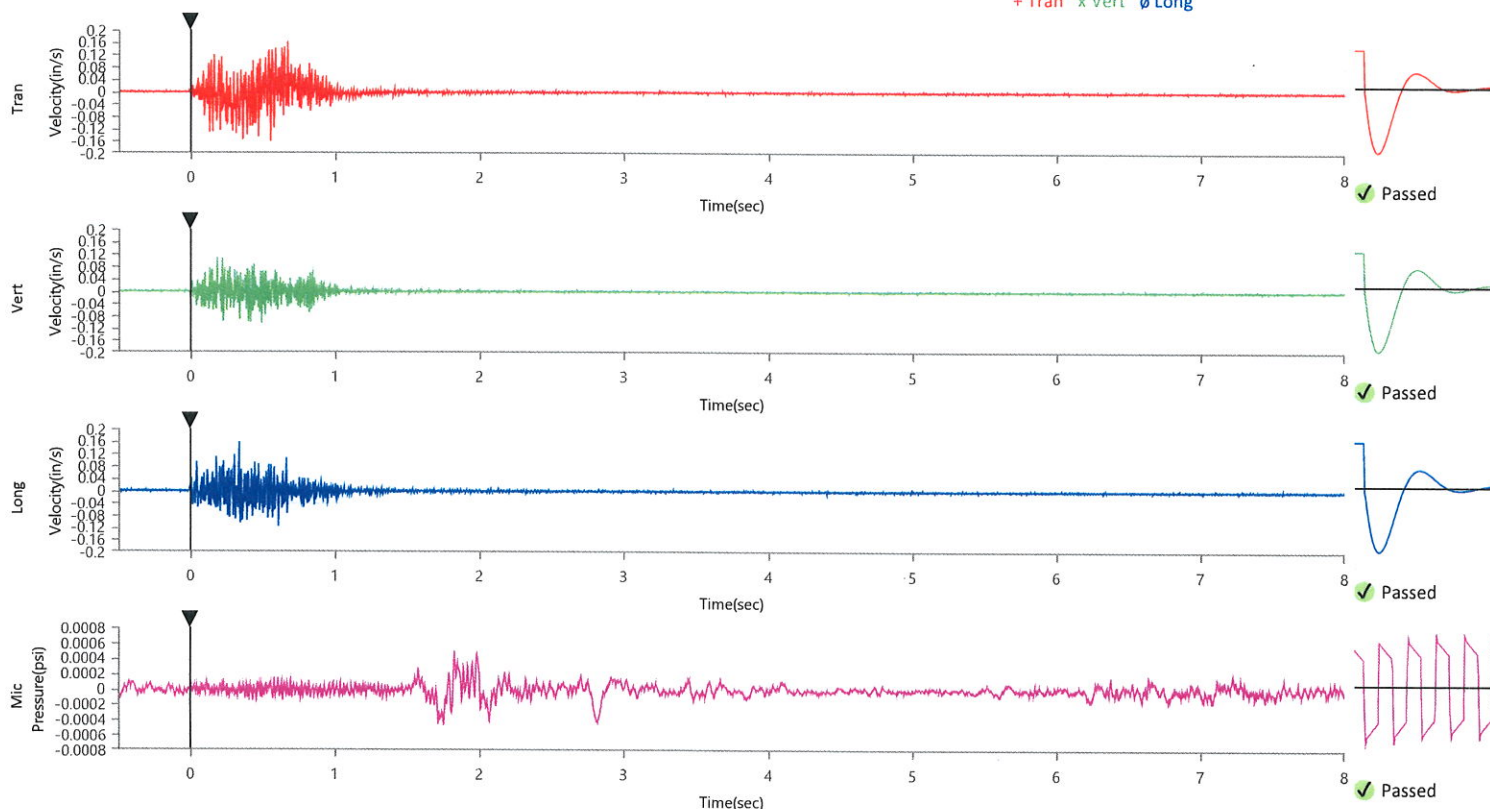
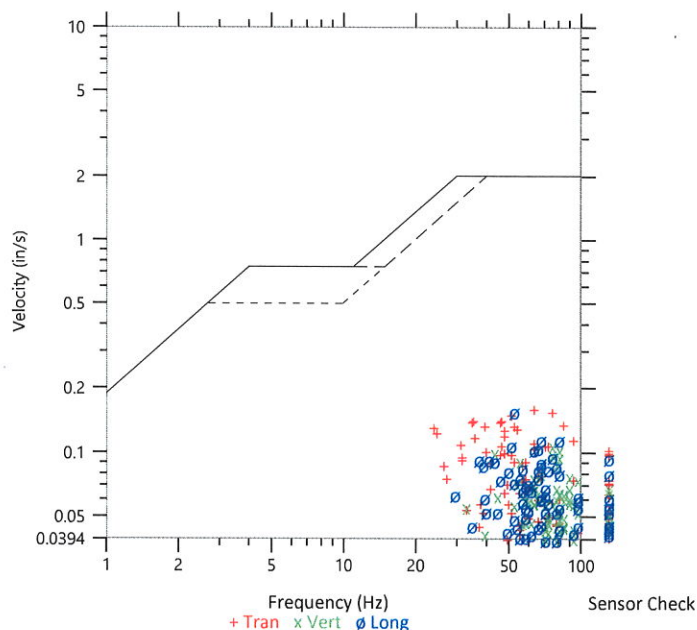
	Tran	Vert	Long
Peak Particle Velocity	0.1626 in/s	0.1089 in/s	0.1589 in/s
Zero Crossing Frequency	64.0 Hz	75.9 Hz	52.5 Hz
Time (Relative to Trigger)	0.672 sec	0.184 sec	0.338 sec
Peak Acceleration	0.201 g	0.165 g	0.217 g
Peak Displacement	0.001 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.0	3.3	3.6

Peak Vector Sum 0.1845 in/s at 0.338 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000502 psi
 Peak Sound Pressure Level 104.8 dB(L)
 Time (Relative to Trigger) 1.826 sec
 Zero Crossing Frequency 9.0 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1345 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

Tran at March 29, 2022 12:37:44
 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

UM9068
 Micromate ISEE 10.90FB
 3.8 volts
 December 2, 2021 by Instantel
 UM9068_20220329123744.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

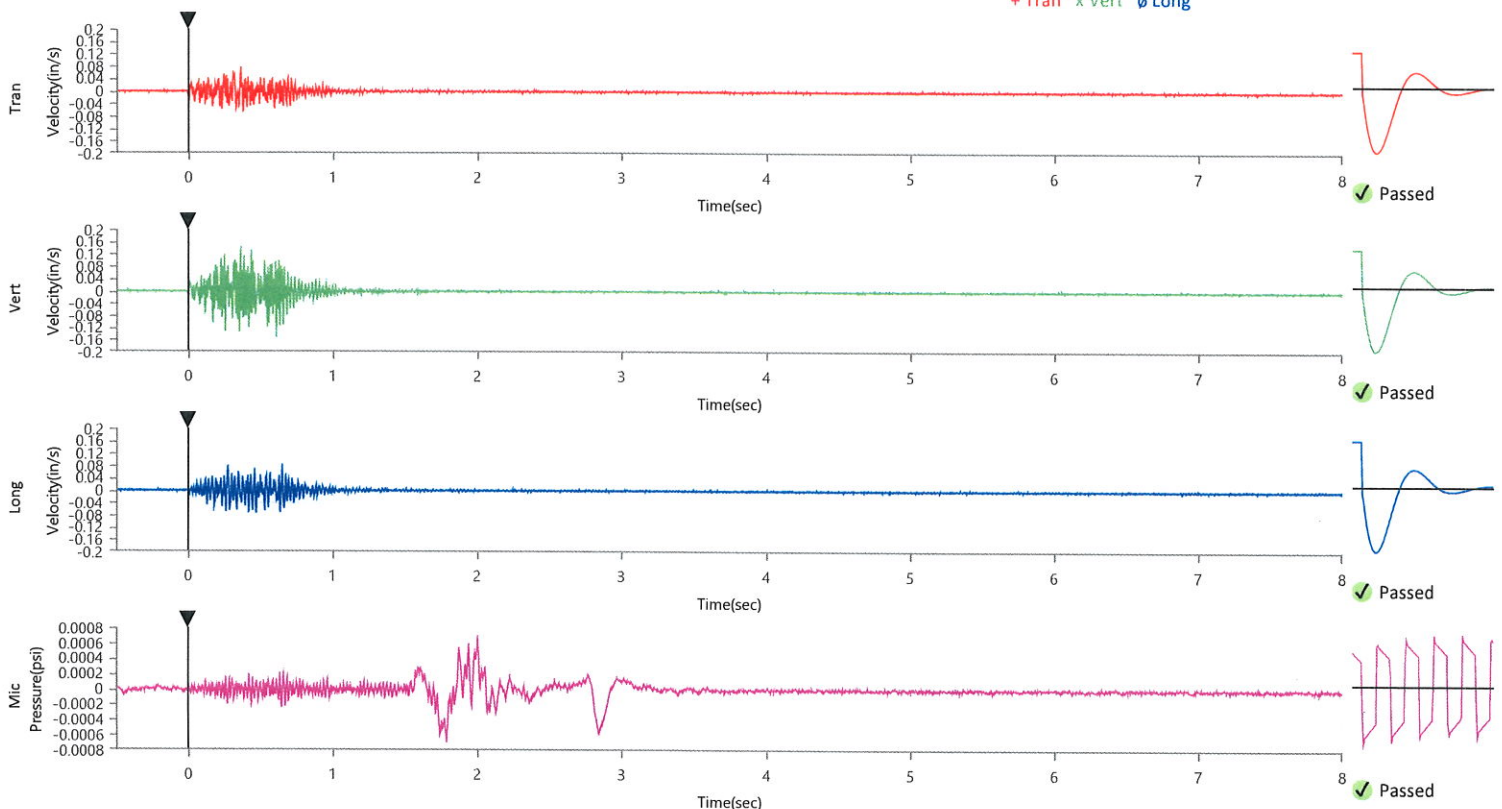
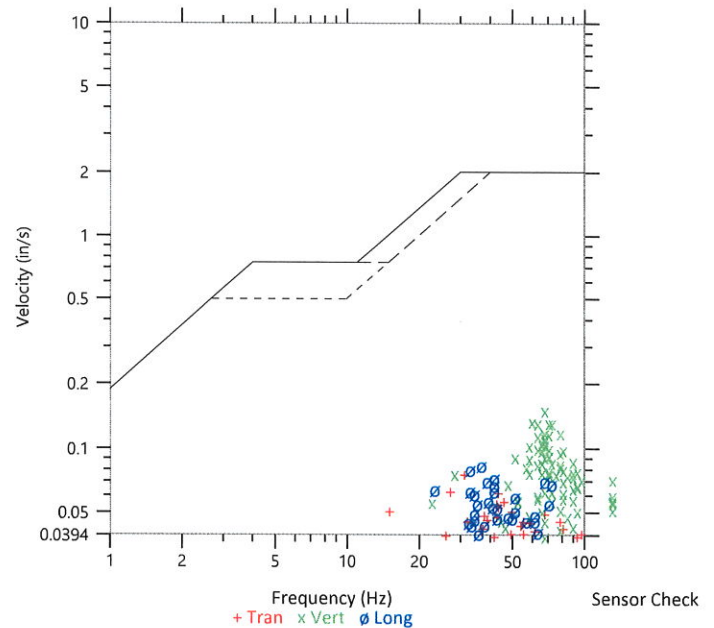
	Tran	Vert	Long
Peak Particle Velocity	0.0773 in/s	0.1521 in/s	0.0844 in/s
Zero Crossing Frequency	31.0 Hz	68.3 Hz	35.9 Hz
Time (Relative to Trigger)	0.363 sec	0.610 sec	0.652 sec
Peak Acceleration	0.082 g	0.171 g	0.099 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	4.0	3.7	3.5

Peak Vector Sum 0.1544 in/s at 0.610 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000711 psi
 Peak Sound Pressure Level 107.8 dB(L)
 Time (Relative to Trigger) 2.001 sec
 Zero Crossing Frequency 5.4 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1311 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 March 29, 2022 12:37:43
 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

UM6460
 Micromate ISEE 10.90FB
 3.8 volts
 September 9, 2021 by Instantel
 UM6460_20220329123743.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

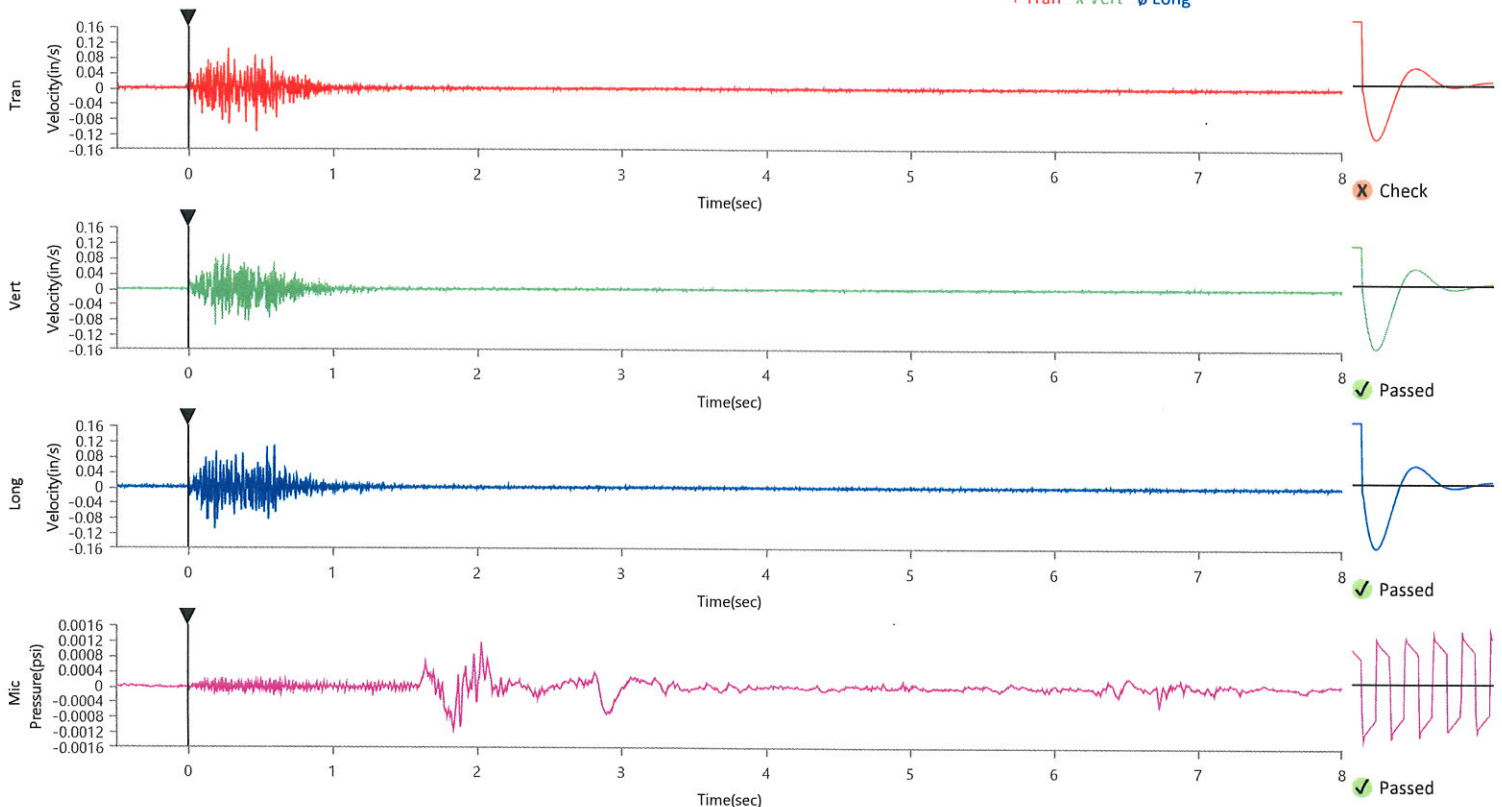
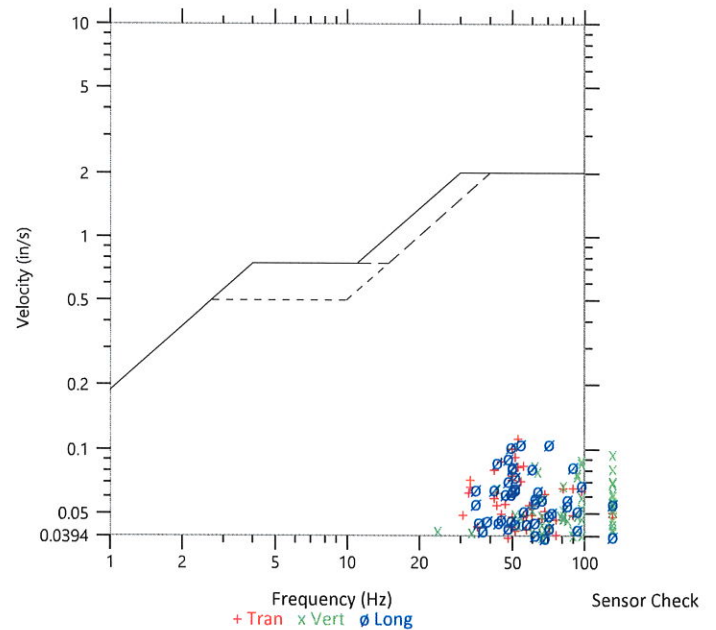
	Tran	Vert	Long
Peak Particle Velocity	0.1139 in/s	0.0965 in/s	0.1086 in/s
Zero Crossing Frequency	52.5 Hz	>100 Hz	70.6 Hz
Time (Relative to Trigger)	0.471 sec	0.185 sec	0.184 sec
Peak Acceleration	0.174 g	0.211 g	0.138 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✗ Check	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.1	3.7	3.5

Peak Vector Sum 0.1286 in/s at 0.471 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001159 psi
 Peak Sound Pressure Level 112.0 dB(L)
 Time (Relative to Trigger) 2.029 sec
 Zero Crossing Frequency 5.0 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1300 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 March 29, 2022 12:37:43
 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

UM7153
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by Instantel
 UM7153_20220329123743.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

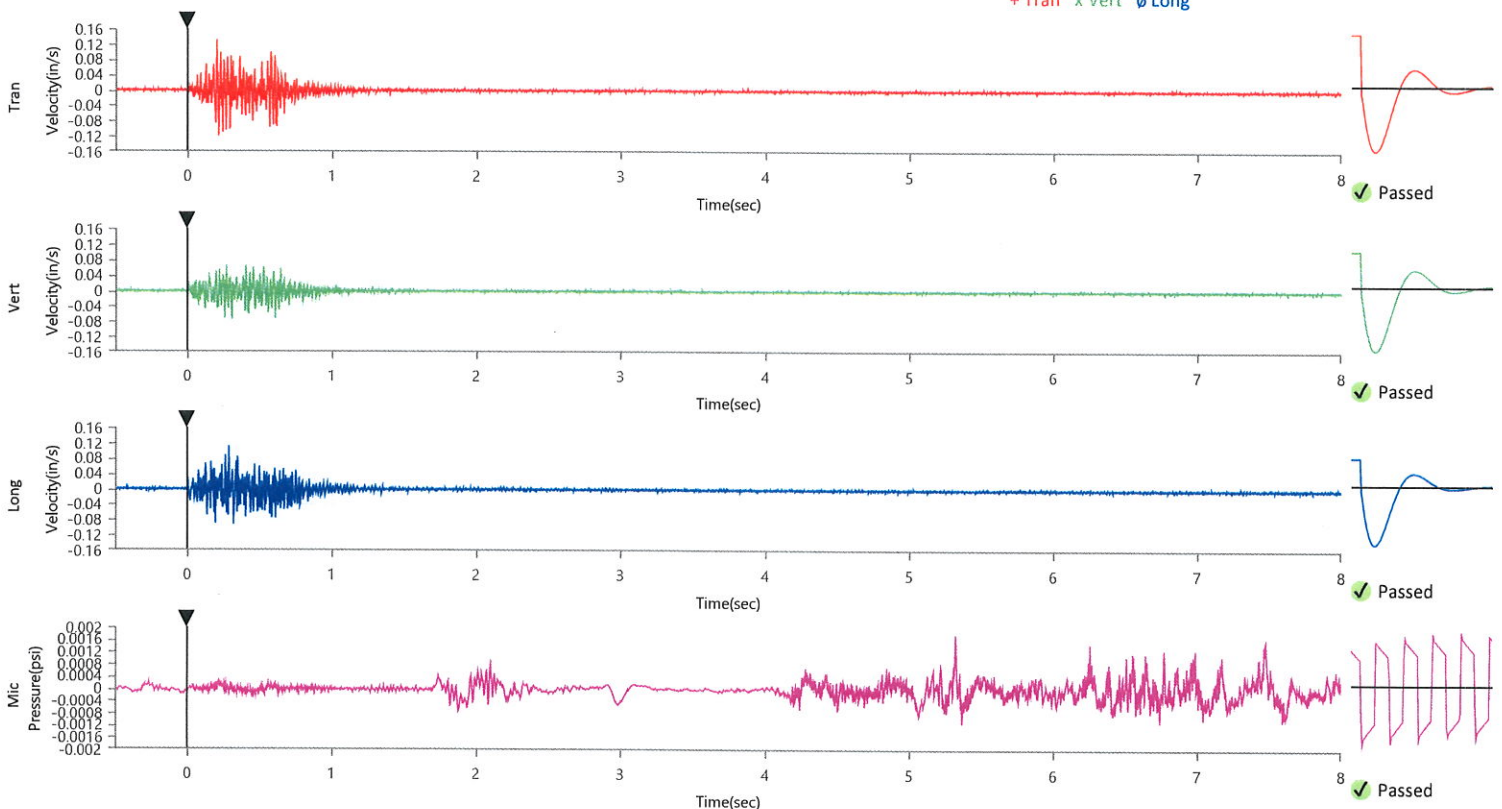
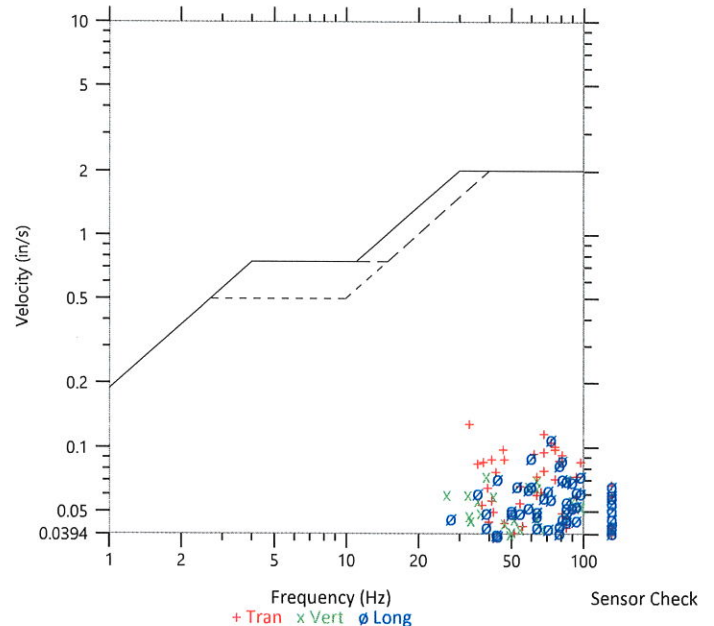
	Tran	Vert	Long
Peak Particle Velocity	0.1309 in/s	0.0745 in/s	0.1120 in/s
Zero Crossing Frequency	33.0 Hz	38.6 Hz	75.9 Hz
Time (Relative to Trigger)	0.201 sec	0.309 sec	0.288 sec
Peak Acceleration	0.138 g	0.122 g	0.155 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	3.6	3.7	4.6

Peak Vector Sum 0.1399 in/s at 0.201 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001796 psi
 Peak Sound Pressure Level 115.8 dB(L)
 Time (Relative to Trigger) 5.327 sec
 Zero Crossing Frequency 16.4 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1351 mv

USB 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 March 29, 2022 12:37:44
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

UM13415
Micromate ISEE 10.90FB
3.8 volts
September 16, 2021 by Instantel
UM13415_20220329123744.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

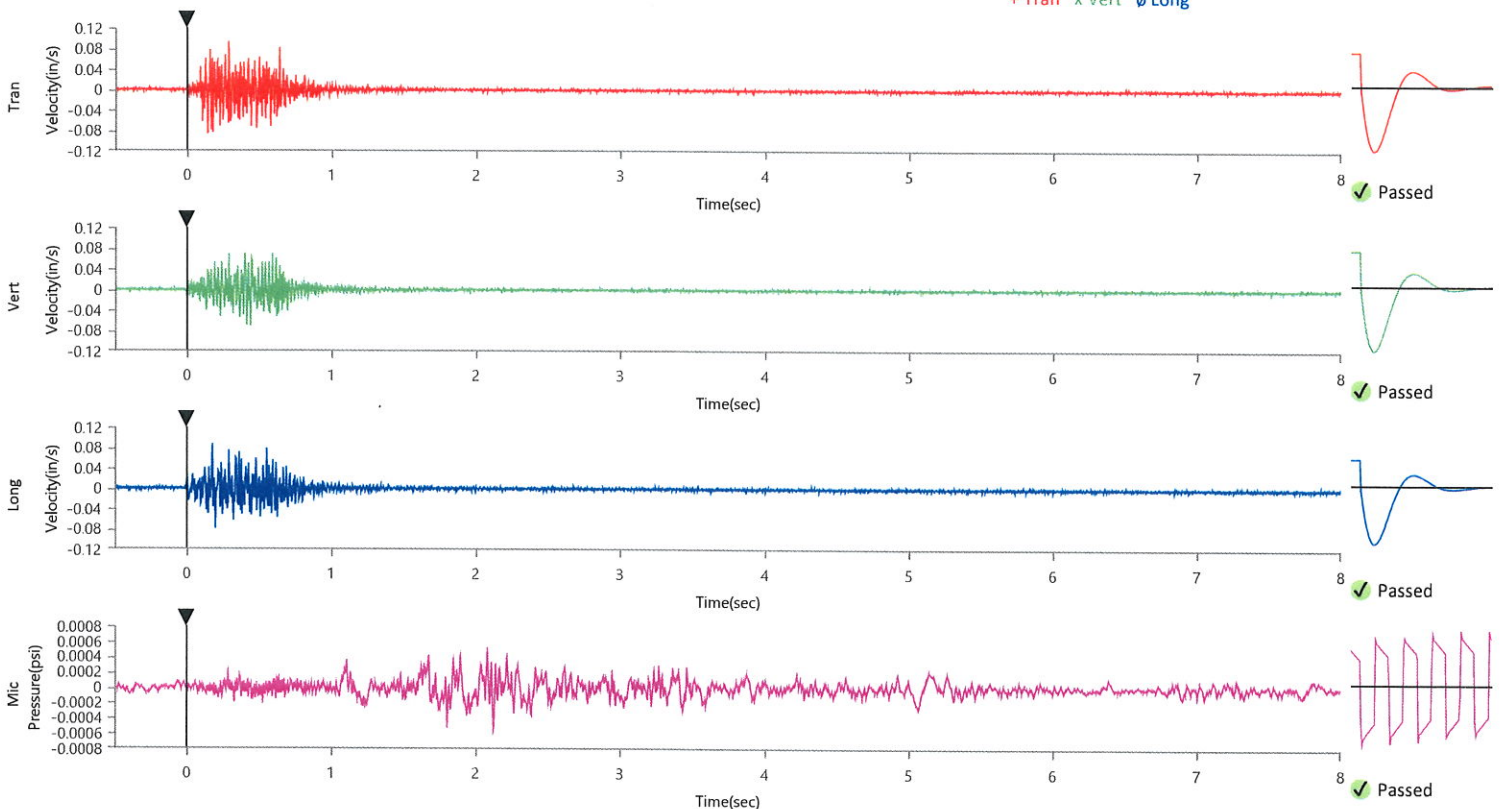
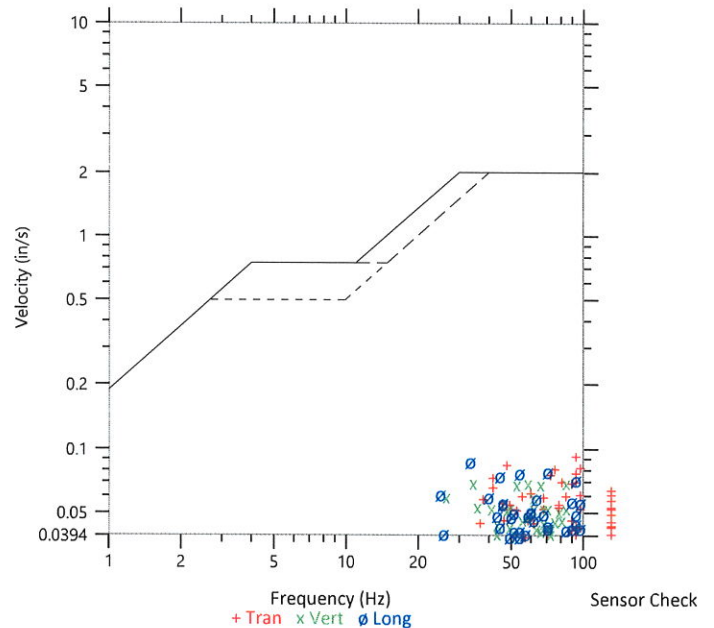
	Tran	Vert	Long
Peak Particle Velocity	0.0934 in/s	0.0704 in/s	0.0884 in/s
Zero Crossing Frequency	93.1 Hz	34.1 Hz	33.6 Hz
Time (Relative to Trigger)	0.286 sec	0.401 sec	0.177 sec
Peak Acceleration	0.188 g	0.102 g	0.125 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.1	4.6	4.9

Peak Vector Sum 0.1129 in/s at 0.177 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000549 psi
Peak Sound Pressure Level 105.5 dB(L)
Time (Relative to Trigger) 2.122 sec
Zero Crossing Frequency 29.3 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1343 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 March 29, 2022 12:37:44
 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

UM7453
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by Instantel
 UM7453_20220329123744.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

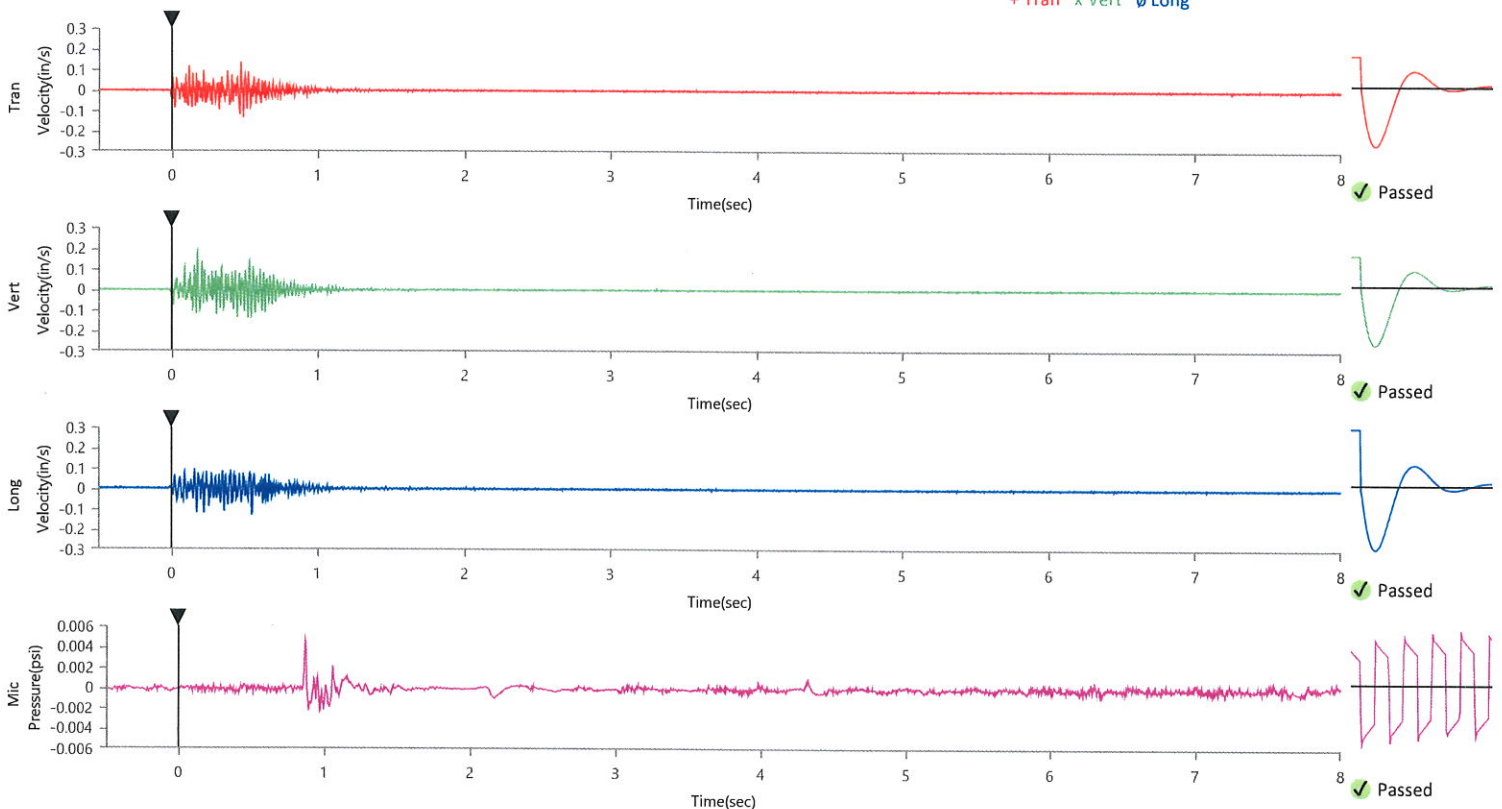
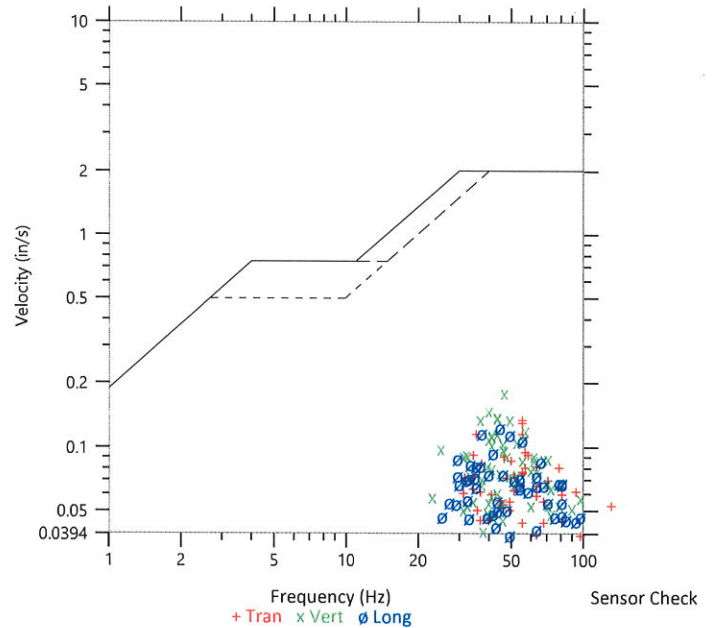
	Tran	Vert	Long
Peak Particle Velocity	0.1375 in/s	0.1825 in/s	0.1263 in/s
Zero Crossing Frequency	55.4 Hz	46.5 Hz	44.5 Hz
Time (Relative to Trigger)	0.475 sec	0.178 sec	0.552 sec
Peak Acceleration	0.165 g	0.145 g	0.118 g
Peak Displacement	0.000 in	0.001 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.6	3.6	3.0

Peak Vector Sum 0.1955 in/s at 0.177 sec

ISEE Linear Microphone

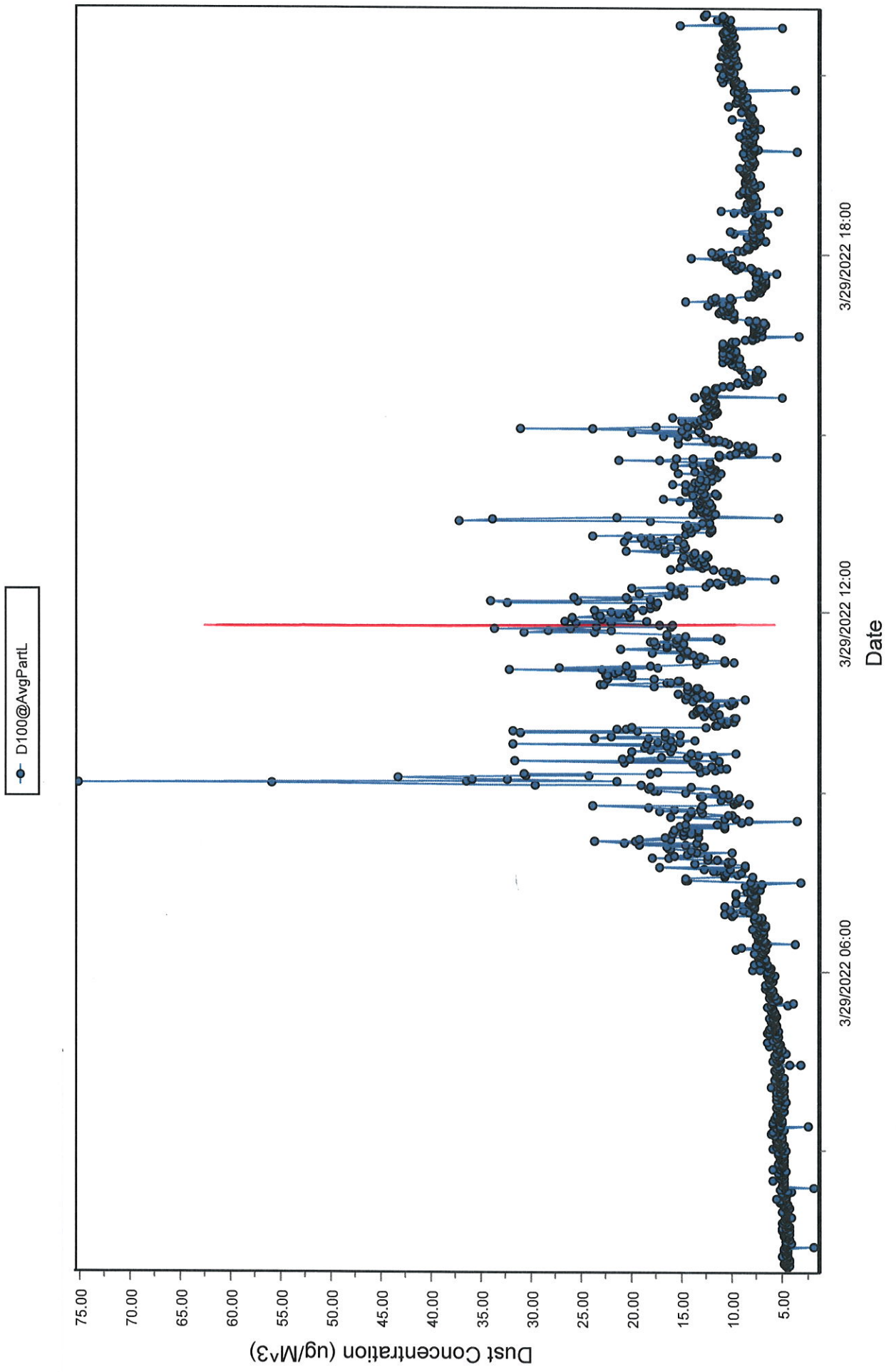
Peak Sound Pressure Level 0.004732 psi
 Peak Sound Pressure Level 124.3 dB(L)
 Time (Relative to Trigger) 0.870 sec
 Zero Crossing Frequency 18.0 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1336 mv

USBM RI8507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

● D100@AvgPartL

