

Date/Time	Unit	Unit Location	Blast			Distance	PPV	Geo ZCF	Sound Level Microphone			
			Blast Number	Blast Location	Unit Location				PSPL	Peak	Time of Peak	Leq
05/18/22 0:00	UM13917	Noise 2	22-Sep	West Face	West Face	2193.2 ft	-	-	-	58.8 dB(A)	22:17:05	<30 dB
05/18/22 0:00	UM13416	Noise 3	22-Sep	West Face	West Face	1977.7 ft	-	-	-	119.5 dB(A)	17:17:15	71.3 dB
05/18/22 13:55	UM8173	Station 1	22-Sep	West Face	West Face	1854.0 ft	0.4360 in/s*	1.8 Hz	108.2 dB(L)	-	-	-
05/18/22 13:55	UM9068	Station 2	22-Sep	West Face	West Face	1875.0 ft	0.1300 in/s	73.1 Hz	110.4 dB(L)	-	-	-
05/18/22 13:55	UM6548	Station 3	22-Sep	West Face	West Face	1957.0 ft	0.1700 in/s	81.9 Hz	111.3 dB(L)	-	-	-
05/18/22 13:55	UM7153	Station 4	22-Sep	West Face	West Face	2115.8 ft	0.1446 in/s	53.9 Hz	108.5 dB(L)	-	-	-
05/18/22 13:55	UM13415	Station 5	22-Sep	West Face	West Face	2195.5 ft	0.1095 in/s	60.2 Hz	101.8 dB(L)	-	-	-
05/18/22 13:55	UM7453	Station 6	22-Sep	West Face	West Face	1063.0 ft	0.2076 in/s	44.5 Hz	123.3 dB(L)	-	-	-

* The Longitude channel failed giving the illusion of a decoupling of the geophone. This did not occur and the reading should be dismissed. incident that we could not have foreseen. The unit was replaced the next day and sent to the manufacturer for repair and calibration. We regret this happened but it was an

Start May 18, 2022 00:00:05
Finish May 18, 2022 22:55:49
Number of Intervals/Interval 1375.72/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

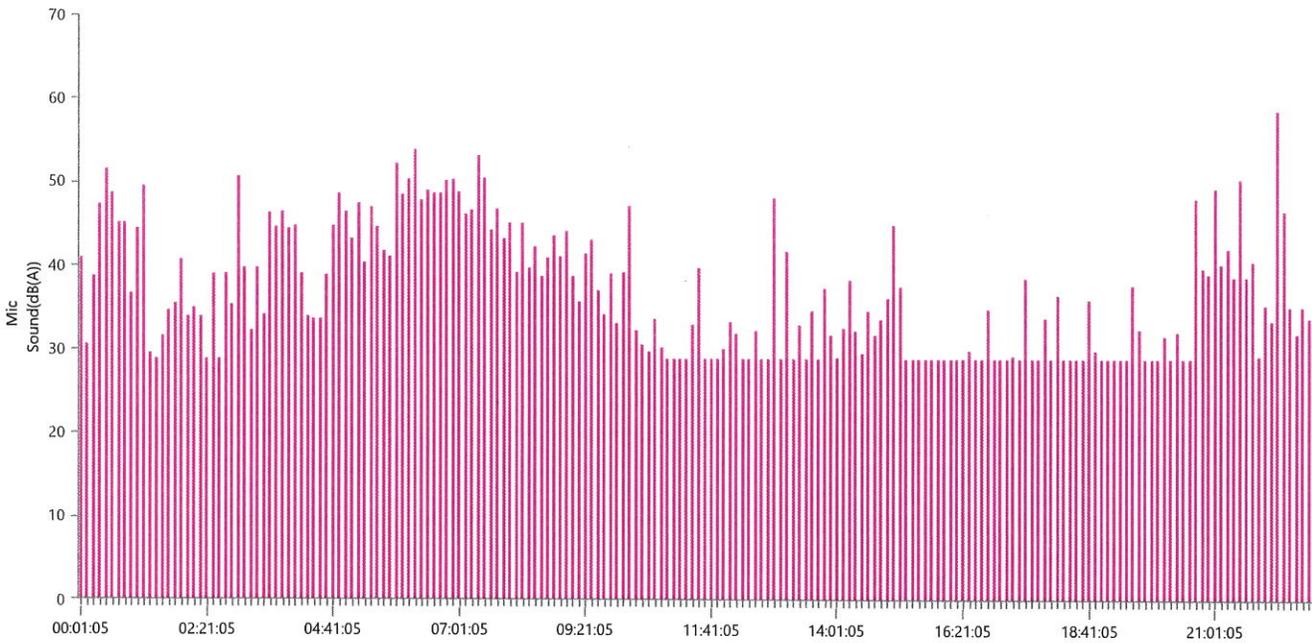
Serial Number UM13917
Model Number Micromate ISEE 10.90FB
Battery Level 3.8 volts
Unit Calibration November 23, 2021 by InstanTel
Microphone Calibration UA10859, September 30, 2021 by InstanTel
Event File Name UM13917_20220518000005.IDFH
USB Sensor Support Disabled

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

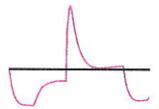
Extended Note Station 5N30.49911 W98.21538

Post Event Notes No text to be displayed.

Sound Level Microphone **A-Weight Slow**
LMax 58.8 dB(A)
Date May 18, 2022
Time 22:17:05
LMin **L10** **L90** **Leq**
Sound(dB(A)) <30 <30 <30 <30
Sensor Check ✓ Passed
Test Amplitude 1064 mv



Sensor Check



✓ Passed

Start May 18, 2022 00:00:15
Finish May 18, 2022 22:23:47
Number of Intervals/Interval 1343.54/60 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_20220518000015.IDFH
 Disabled

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

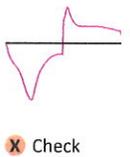
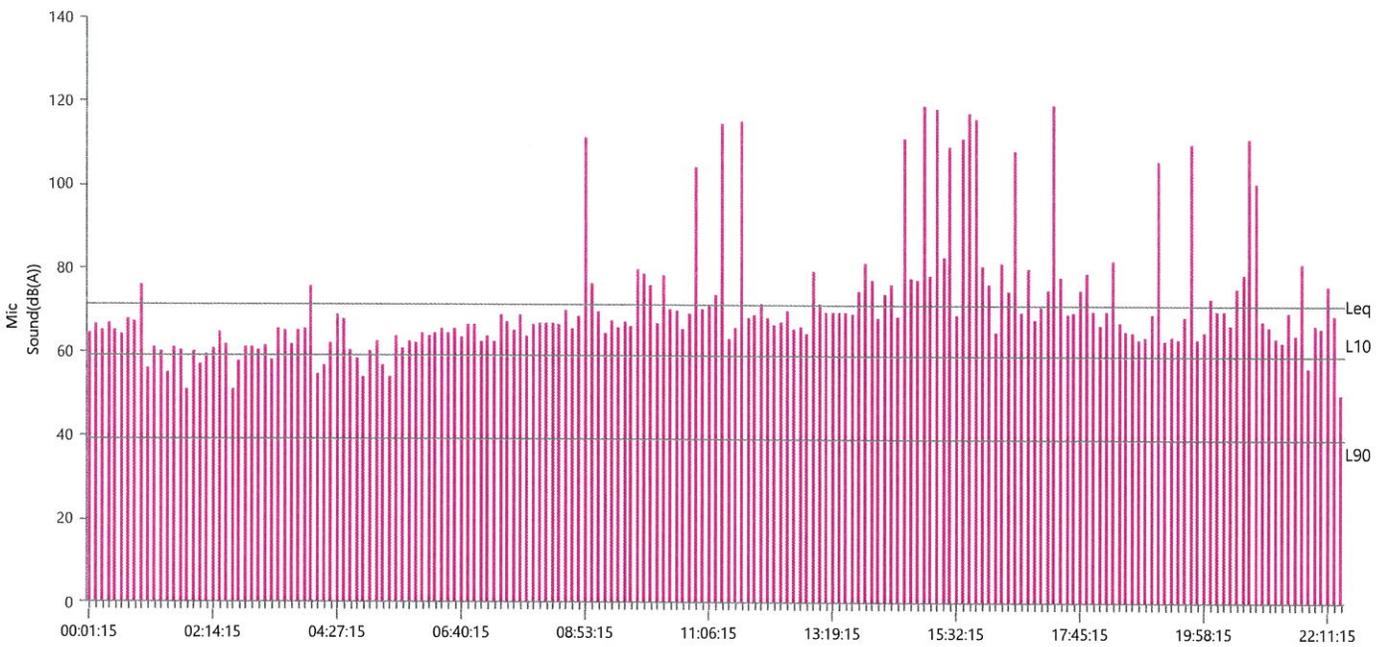
Extended Note N30.490958 W98.213495

Post Event Notes No text to be displayed.

Sound Level Microphone
LMax 119.5 dB(A)
Date May 18, 2022
Time 17:17:15
Sound(dB(A))
Sensor Check Check
Test Amplitude 3256 mv

A-Weight Slow
 119.5 dB(A)
 May 18, 2022
 17:17:15
LMin **L10** **L90** **Leq**
 <30 59 39 71.3

Sensor Check



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

Vert at May 18, 2022 13:55:39
 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_20220518135539.IDFV
 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

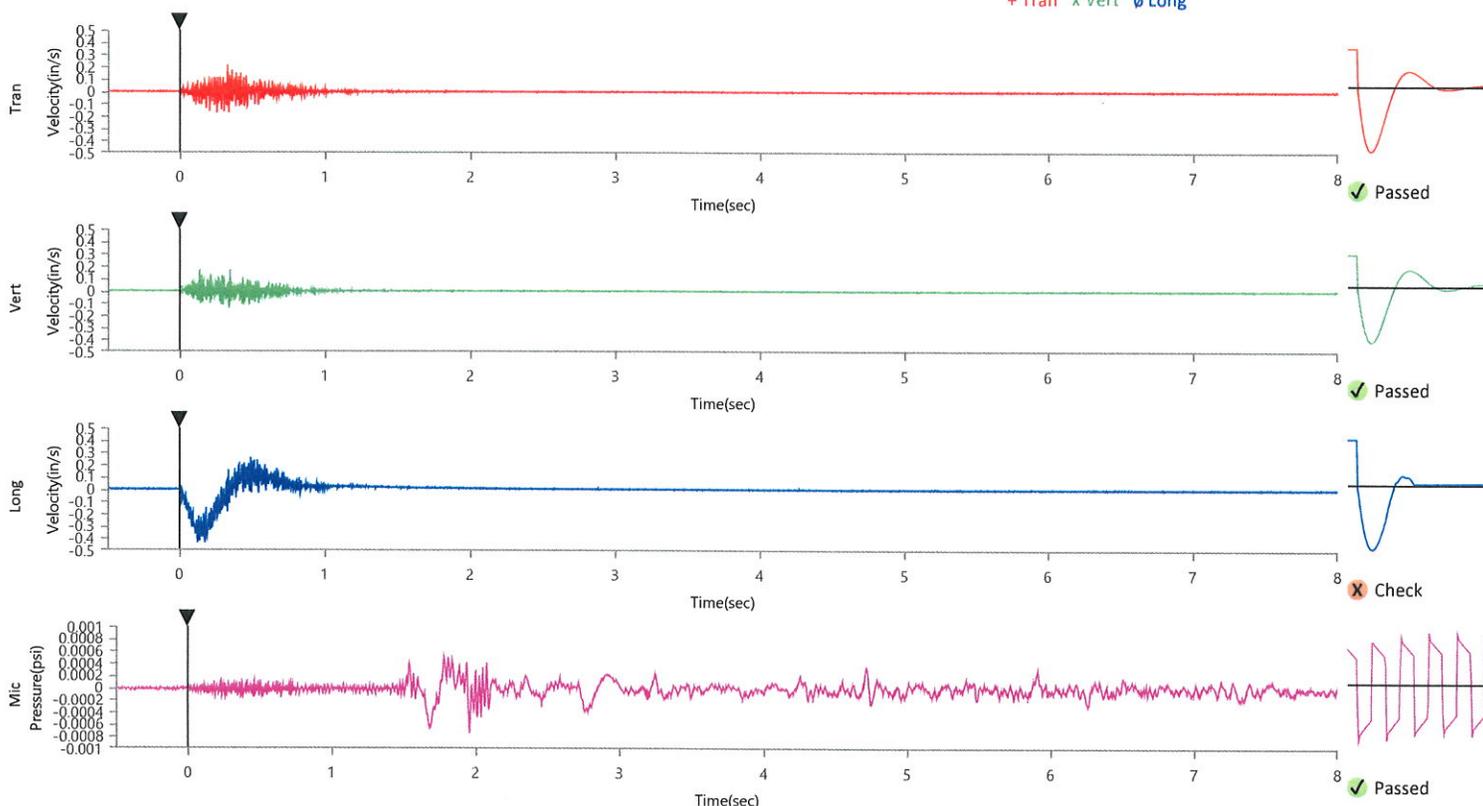
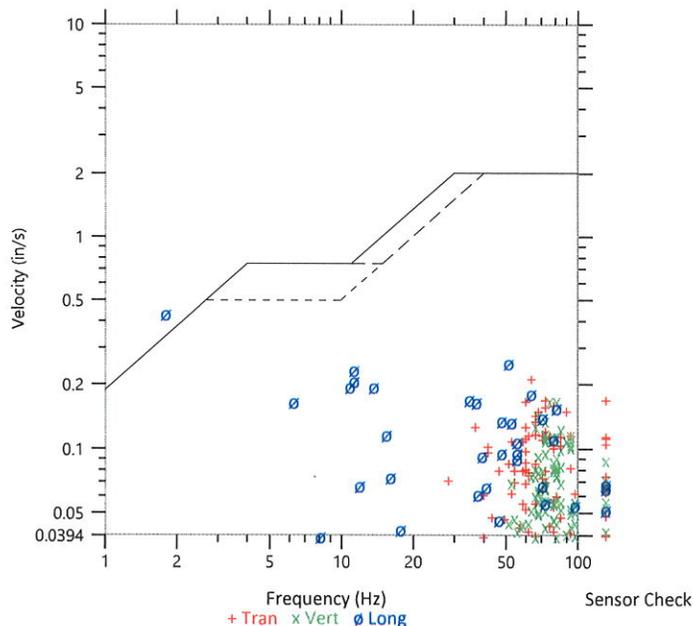
	Tran	Vert	Long
Peak Particle Velocity	0.2178 in/s	0.1700 in/s	0.4360 in/s
Zero Crossing Frequency	64.0 Hz	75.9 Hz	1.8 Hz
Time (Relative to Trigger)	0.324 sec	0.134 sec	0.172 sec
Peak Acceleration	0.290 g	0.283 g	0.323 g
Peak Displacement	0.001 in	0.000 in	0.031 in
Sensor Check	✓ Passed	✓ Passed	✗ Check
Frequency	7.5 Hz	7.5 Hz	7.7 Hz
Overswing Ratio	4.0	3.2	-455.-2

Peak Vector Sum 0.4394 in/s at 0.122 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000745 psi
 Peak Sound Pressure Level 108.2 dB(L)
 Time (Relative to Trigger) 1.955 sec
 Zero Crossing Frequency 20.5 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1318 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

Tran at May 18, 2022 13:55:40
 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_20220518135540.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

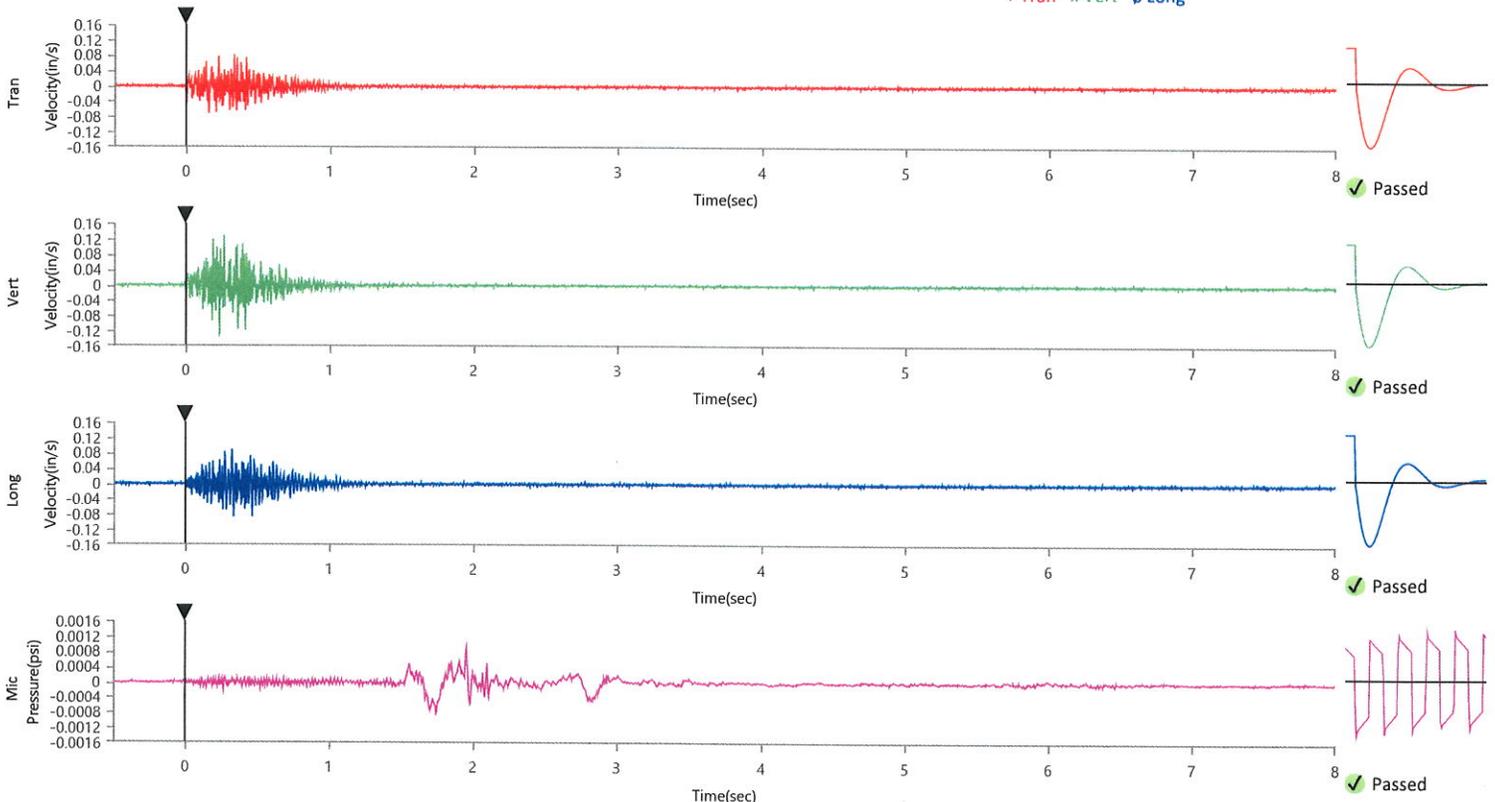
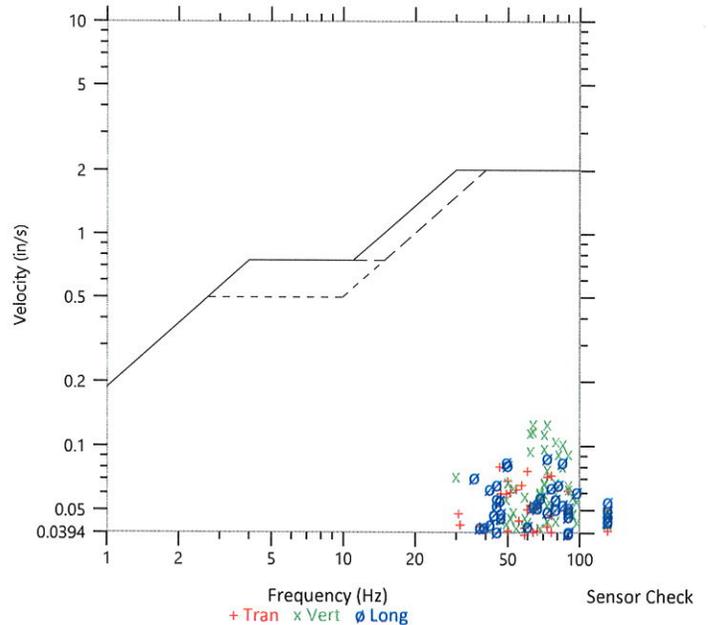
	Tran	Vert	Long
Peak Particle Velocity	0.0822 in/s	0.1300 in/s	0.0897 in/s
Zero Crossing Frequency	45.5 Hz	73.1 Hz	73.1 Hz
Time (Relative to Trigger)	0.335 sec	0.264 sec	0.322 sec
Peak Acceleration	0.125 g	0.178 g	0.181 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	3.9	3.6	3.4

Peak Vector Sum 0.1415 in/s at 0.233 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000959 psi
 Peak Sound Pressure Level 110.4 dB(L)
 Time (Relative to Trigger) 1.952 sec
 Zero Crossing Frequency 3.0 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1278 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

Vert at May 18, 2022 13:55:39
 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

UM6548
 Micromate ISEE 10.90GC
 3.8 volts
 April 19, 2022 by InstanTel
 UM6548_20220518135539.IDFW
 Disabled

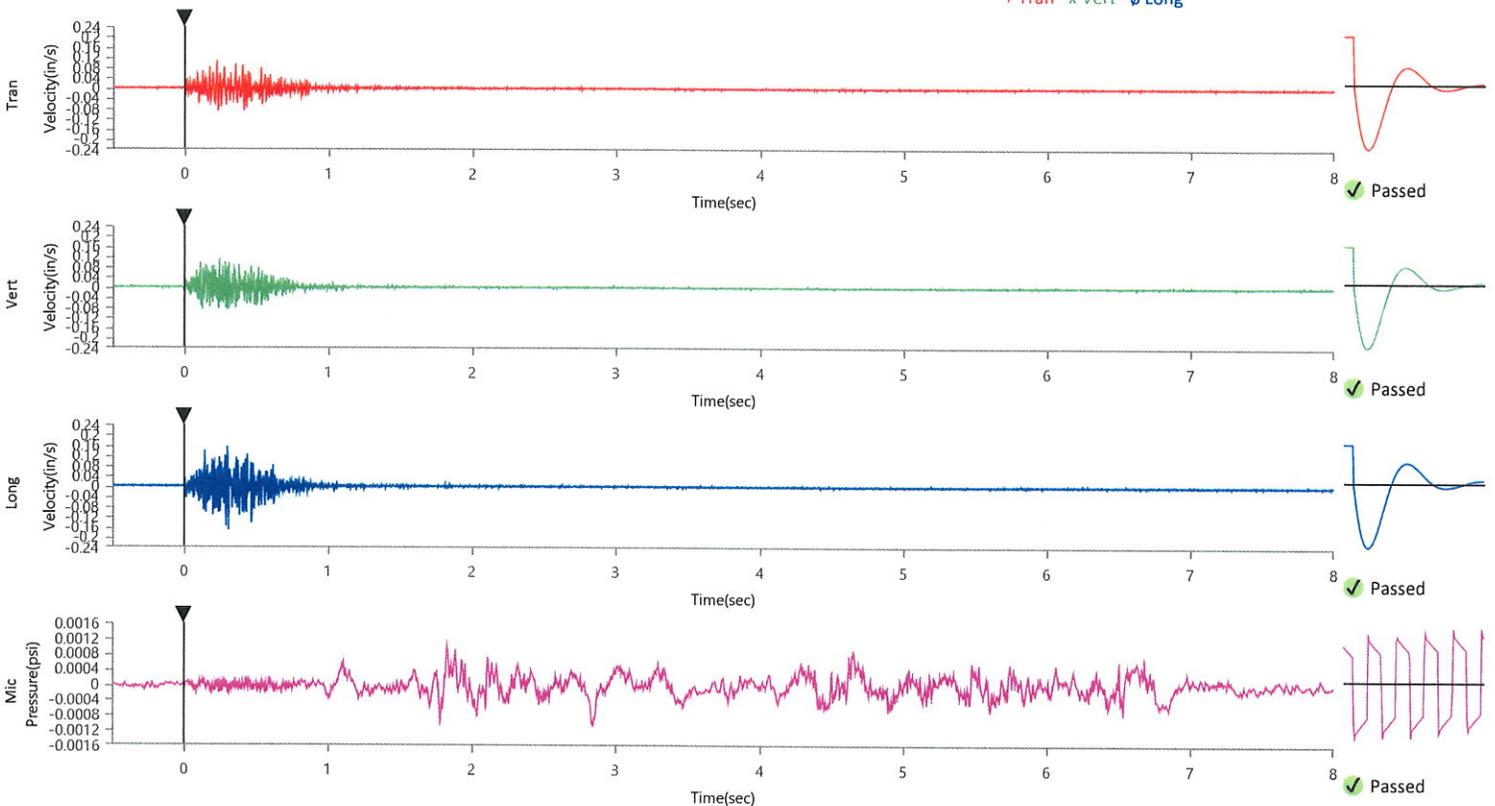
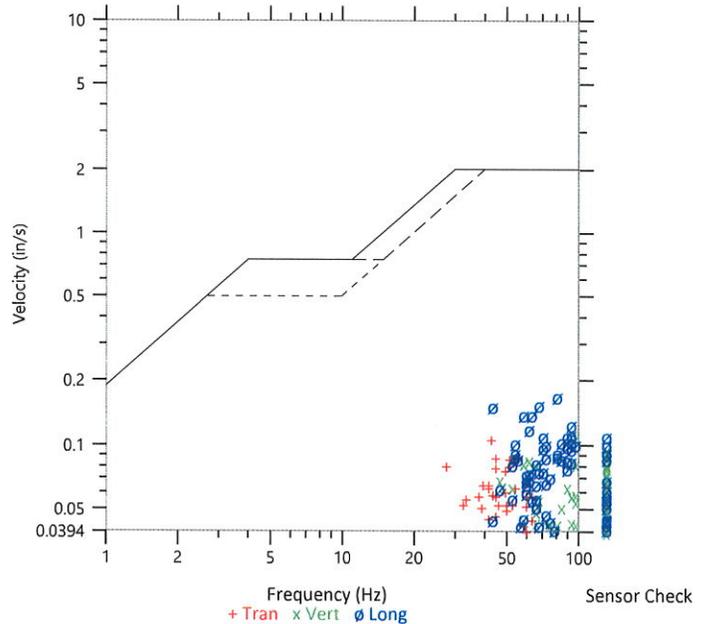
Notes
 Location Station 3
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

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

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1071 in/s	0.1102 in/s	0.1700 in/s
Zero Crossing Frequency	43.6 Hz	97.5 Hz	81.9 Hz
Time (Relative to Trigger)	0.223 sec	0.241 sec	0.308 sec
Peak Acceleration	0.099 g	0.194 g	0.247 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	3.5	3.6	3.1
Peak Vector Sum	0.1881 in/s at 0.308 sec		

ISEE Linear Microphone
 Peak Sound Pressure Level 0.001071 psi
 Peak Sound Pressure Level 111.3 dB(L)
 Time (Relative to Trigger) 2.839 sec
 Zero Crossing Frequency 4.7 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1337 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

Vert at May 18, 2022 13:55:39
 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_20220518135539.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

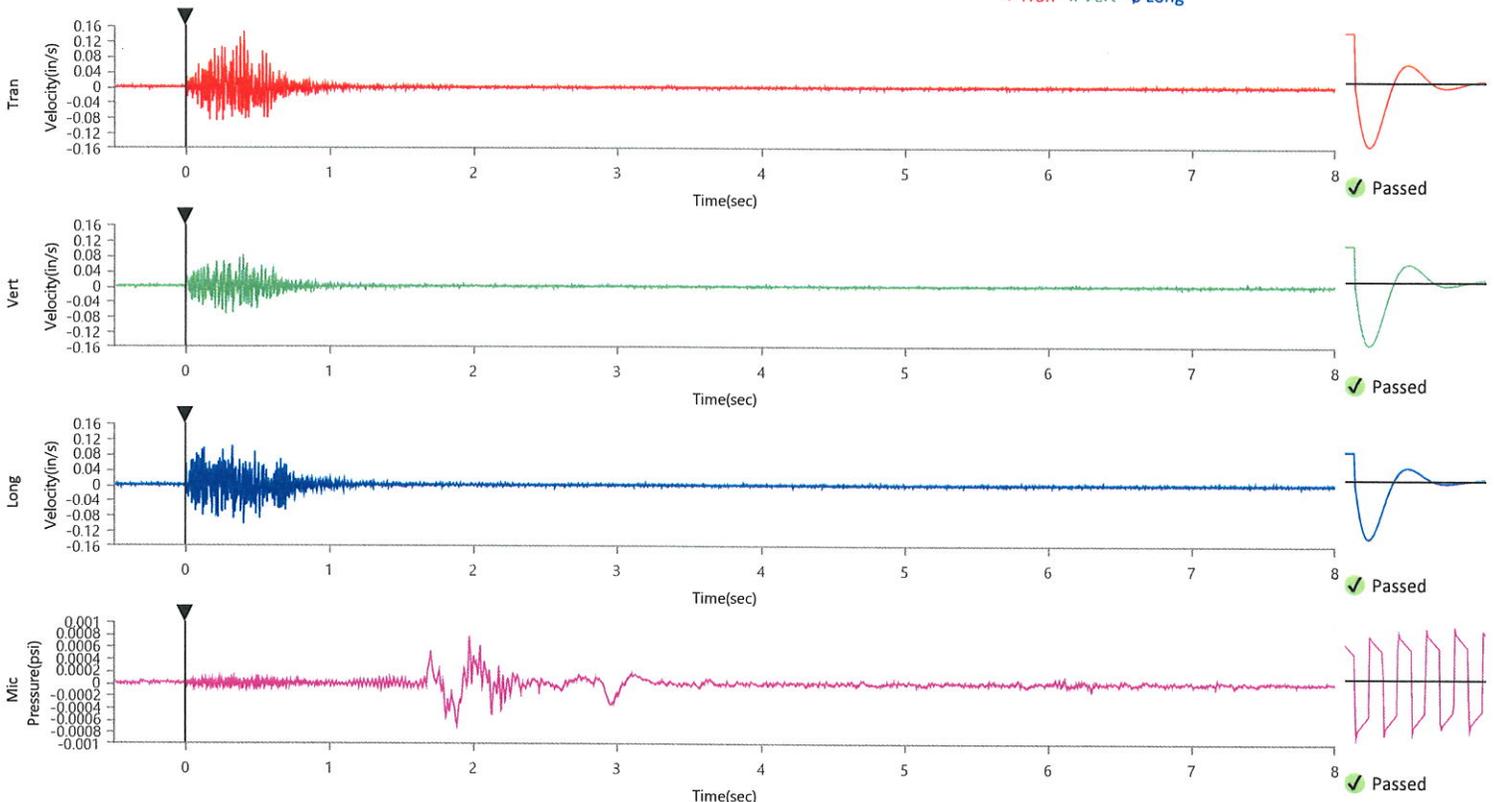
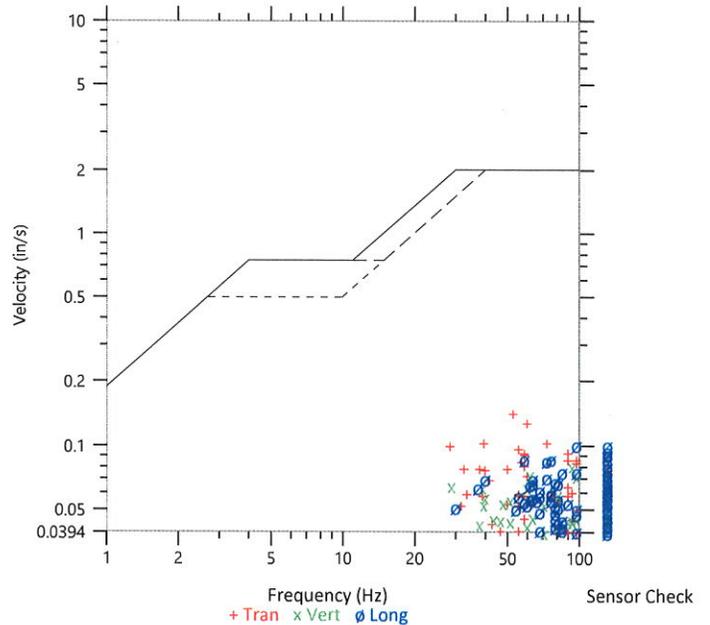
	Tran	Vert	Long
Peak Particle Velocity	0.1446 in/s	0.0810 in/s	0.1021 in/s
Zero Crossing Frequency	53.9 Hz	89.0 Hz	97.5 Hz
Time (Relative to Trigger)	0.405 sec	0.401 sec	0.405 sec
Peak Acceleration	0.191 g	0.138 g	0.207 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	3.5	3.6	4.6

Peak Vector Sum 0.1806 in/s at 0.405 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000770 psi
 Peak Sound Pressure Level 108.5 dB(L)
 Time (Relative to Trigger) 1.972 sec
 Zero Crossing Frequency 17.1 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1318 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

Vert at May 18, 2022 13:55:39
 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_20220518135539.IDFW
 Disabled

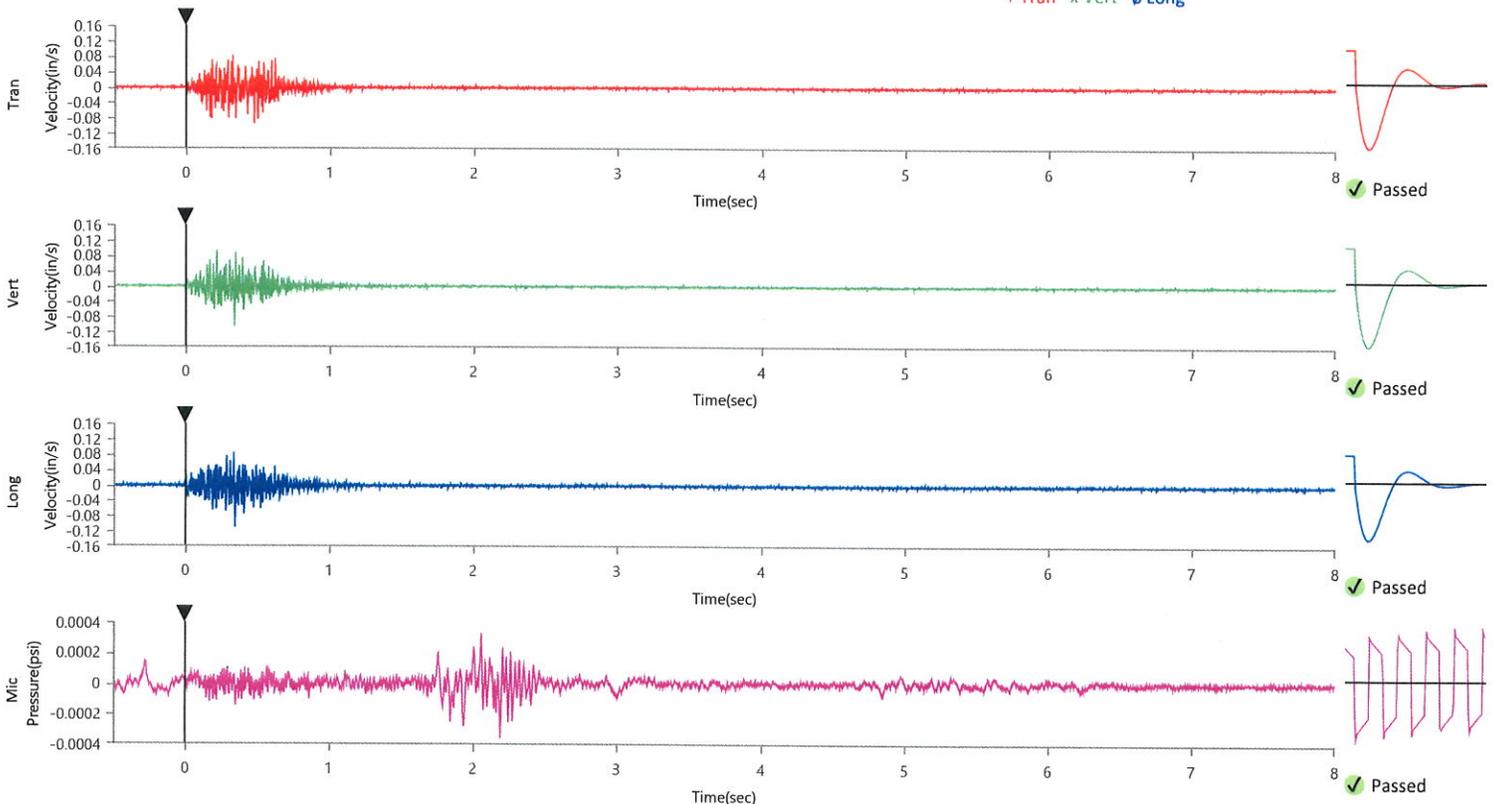
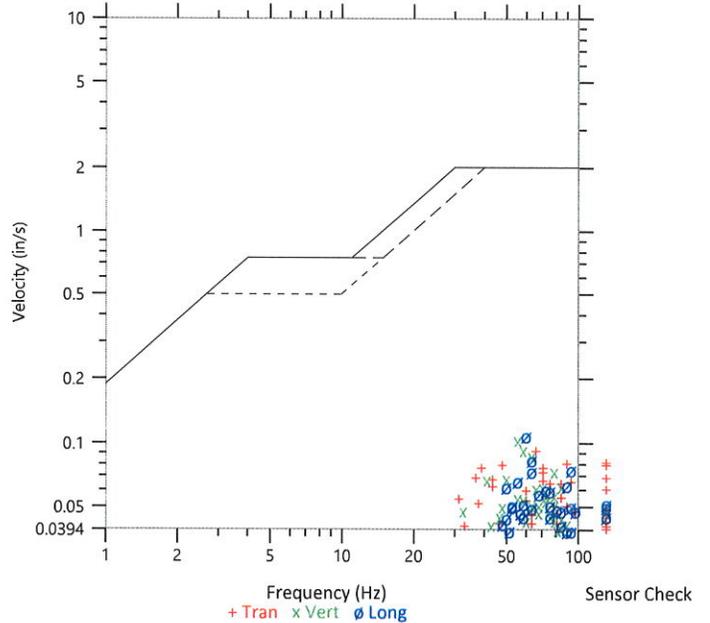
Notes
 Location Station 5
 Client Spicewood Crushed Stone
 Company Hwy 71 Quarry
 General Notes IGS, Inc.

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

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.0937 in/s	0.1052 in/s	0.1095 in/s
Zero Crossing Frequency	66.1 Hz	55.4 Hz	60.2 Hz
Time (Relative to Trigger)	0.475 sec	0.338 sec	0.345 sec
Peak Acceleration	0.201 g	0.128 g	0.155 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	4.0	4.5	4.8
Peak Vector Sum	0.1409 in/s at 0.345 sec		

ISEE Linear Microphone
 Peak Sound Pressure Level 0.000356 psi
 Peak Sound Pressure Level 101.8 dB(L)
 Time (Relative to Trigger) 2.189 sec
 Zero Crossing Frequency 28.4 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1313 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

Vert at May 18, 2022 13:55:39
 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 Instatel
 UM7453_20220518135539.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

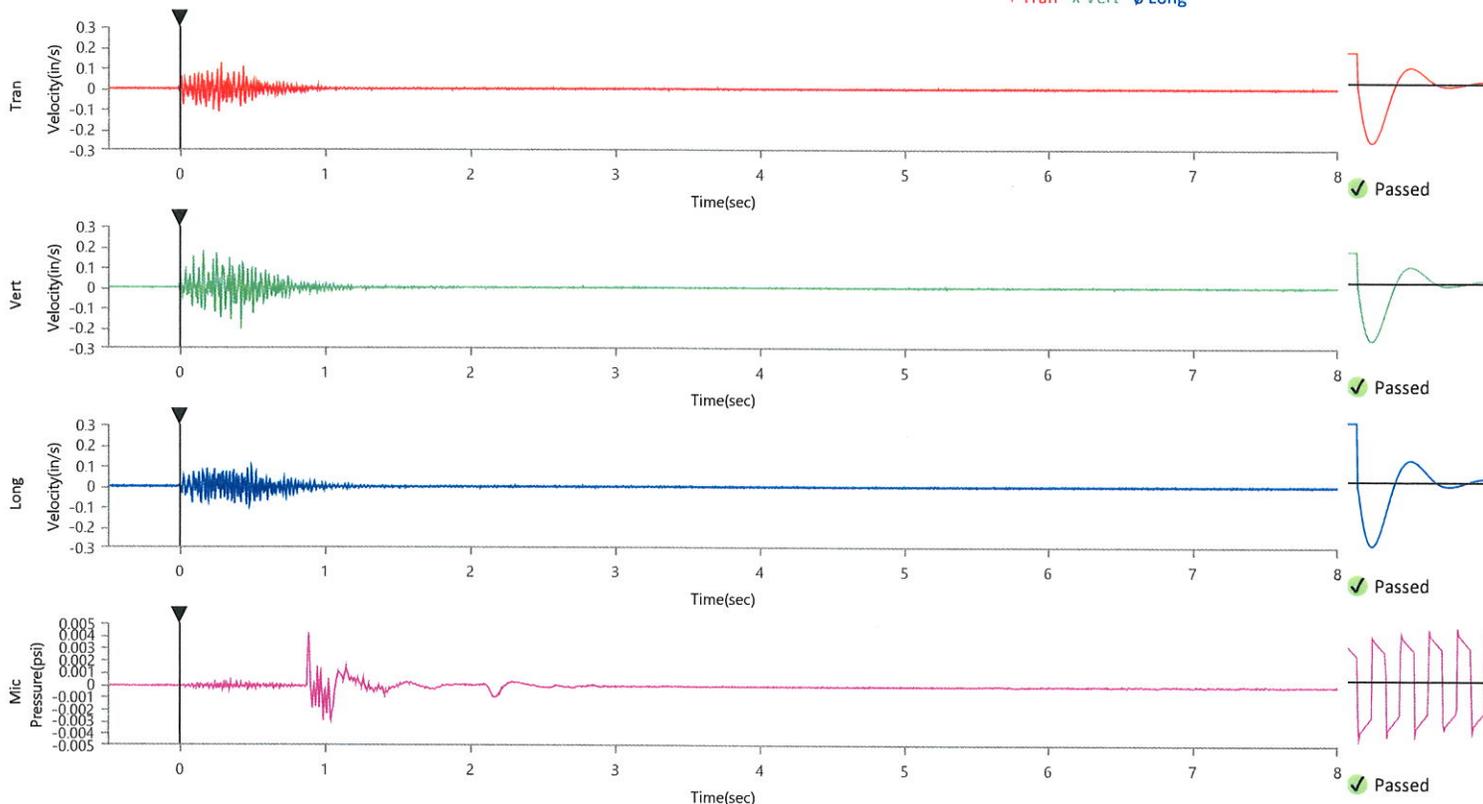
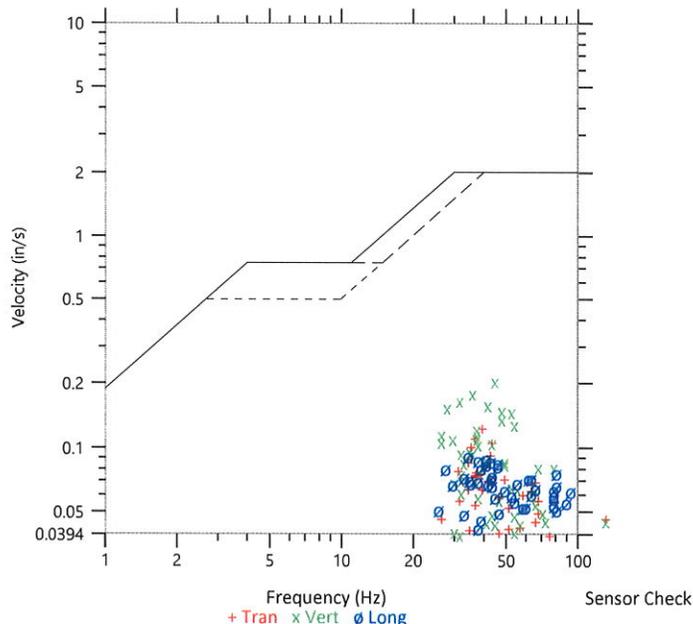
	Tran	Vert	Long
Peak Particle Velocity	0.1260 in/s	0.2076 in/s	0.0922 in/s
Zero Crossing Frequency	39.4 Hz	44.5 Hz	34.1 Hz
Time (Relative to Trigger)	0.281 sec	0.420 sec	0.491 sec
Peak Acceleration	0.171 g	0.174 g	0.122 g
Peak Displacement	0.000 in	0.001 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	3.5	3.6	3.0

Peak Vector Sum 0.2182 in/s at 0.420 sec

ISEE Linear Microphone

Peak Sound Pressure Level	0.004240 psi
Peak Sound Pressure Level	123.3 dB(L)
Time (Relative to Trigger)	0.886 sec
Zero Crossing Frequency	20.3 Hz
Sensor Check	✓ Passed
Frequency	19.7 Hz
Test Amplitude	1308 mv

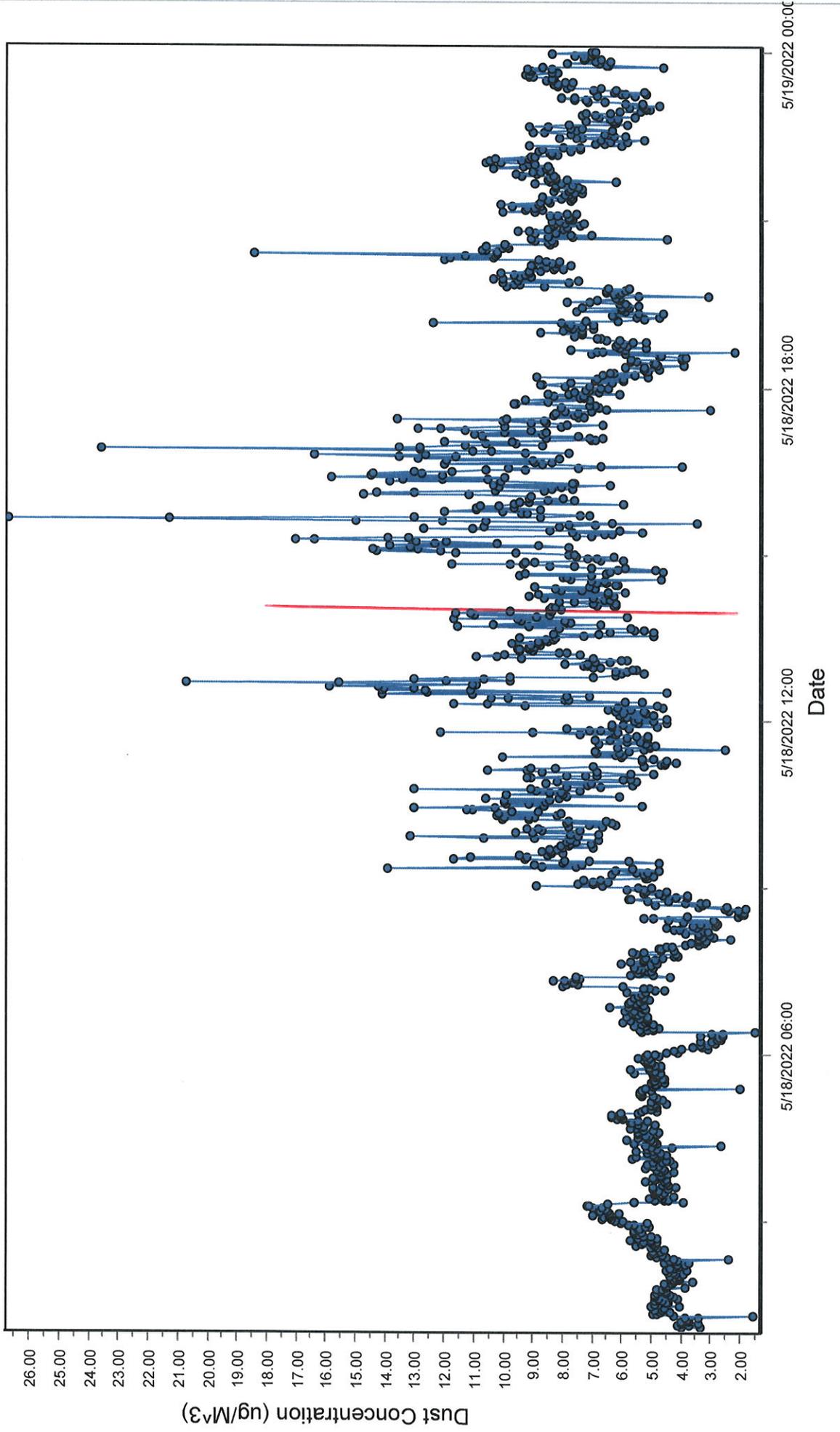
USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

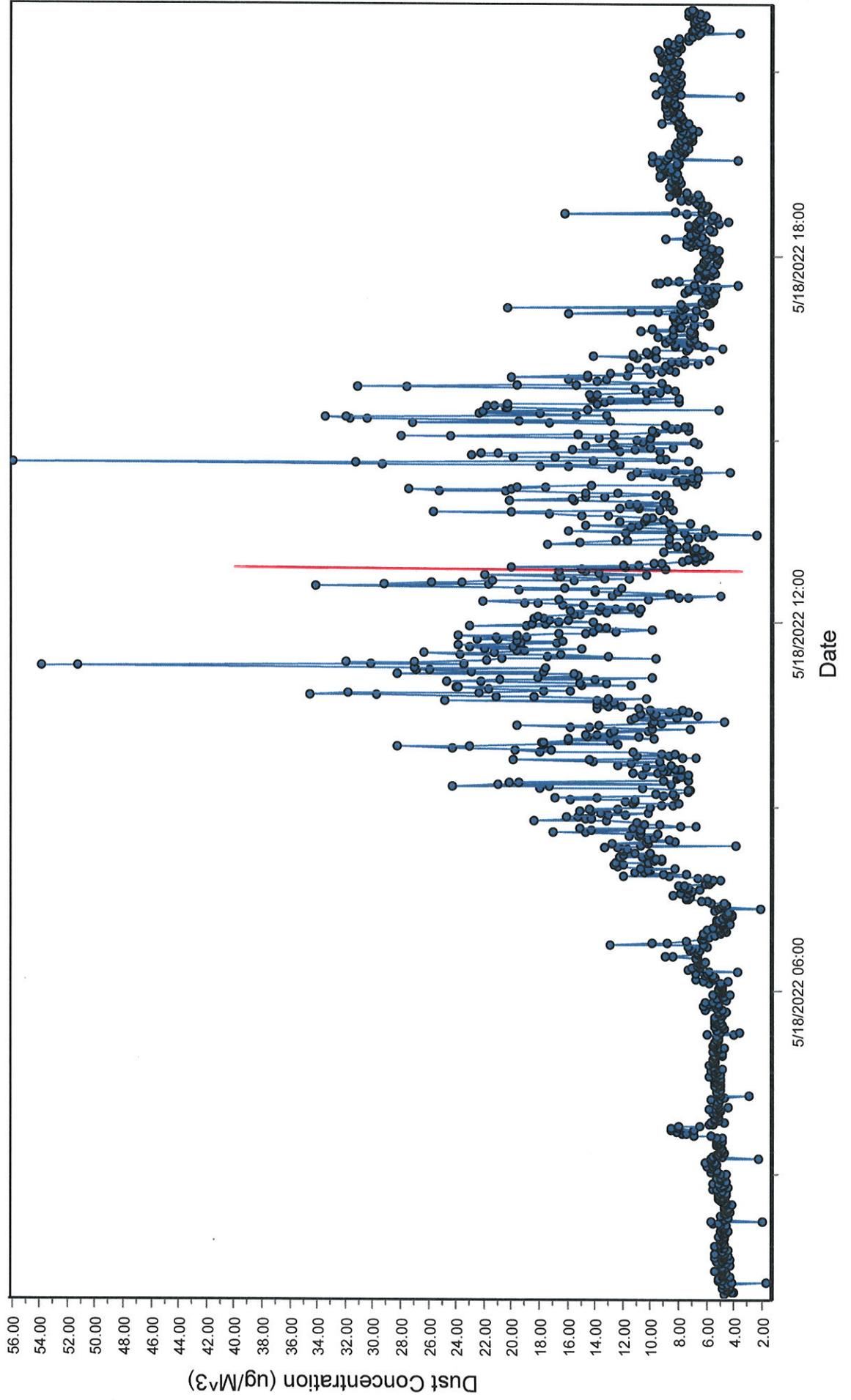
● D100@AvgPartL



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor

● D100@AvgPartL





Spicewood Hwy 71 - Station 5

Spicewood Hwy 71 - Station 4

Spicewood Hwy 71 - Station 3

Spicewood Hwy 71 - Station 2

Spicewood Hwy 71 - Station 1

09-22

Spicewood Hwy 71 - Station 6

Spicewood Hwy 71 - Noise 3

The Carver Group

Double Horn Boat & RV Storage

Vista View Trail

SE Trail

Vista View Trail

Oak Park Dr

Mountain Laurel Ln

Love Creek Ct

Spicewood Trails Dr