

Date/Time	Unit	Unit Location	Blast	Blast Number	Blast Location	Distance	PPV	Geo ZCF	PSP	Sound Level Microphone		
										Peak	Time of Peak	Leq
08/17/22 0:00	UM13917	Noise 2	13-22	13-22	Level 1	2287.4 ft	-	-	-	65.9 dB(A)	9:03:21	40.0 dB
08/17/22 0:00	UM13416	Noise 3	13-22	13-22	Level 1	2253.9 ft	-	-	-	70.0 dB(A)	18:01:05	45.5 dB
08/17/22 13:44	UM8046	Station 1	13-22	13-22	Level 1	2084.0 ft	0.0903 in/s	89.0 Hz	112.9 dB(L)	-	-	-
08/17/22 13:44	UM9068	Station 2	13-22	13-22	Level 1	2077.1 ft	0.0410 in/s	78.8 Hz	111.1 dB(L)	-	-	-
08/17/22 13:44	UM6548	Station 3	13-22	13-22	Level 1	2122.3 ft	0.0602 in/s	60.2 Hz	109.0 dB(L)	-	-	-
08/17/22 13:44	UM7153	Station 4	13-22	13-22	Level 1	2251.6 ft	0.0521 in/s	>100.0 Hz	107.5 dB(L)	-	-	-
08/17/22 13:44	UM13415	Station 5	13-22	13-22	Level 1	2290.0 ft	0.0692 in/s	78.8 Hz	98.2 dB(L)	-	-	-
08/17/22 13:44	UM7453	Station 6	13-22	13-22	Level 1	870.1 ft	0.1536 in/s	34.7 Hz	121.6 dB(L)	-	-	-



Start August 17, 2022 00:00:05

Finish August 17, 2022 23:29:59

Number of Intervals/Interval 42297.25/2 sec

Sample Rate 4096 sps

Setup File Name Spicewood Hwy 71 - Noise 2.mmb

Operator Spicewood Hwy 71 - Noise 2

Notes Noise 2

Client Spicewood Crushed Stone

Company Hwy 71 Quarry

General Notes IGS, Inc.

Extended Note Station SN30.49911 W98.21538

Post Event Notes No text to be displayed.

Sound Level Microphone

LMax 65.9 dB(A)

Date Aug 17, 2022

Time 09:03:21

LMIn L10

Leg 35

Sound(dB(A)) Sensor Check

Test Amplitude 1039 mv

Passed

1039 mv

32.9 43

65.9 dB(A)

A-Weight Slow

09:03:21

Aug 17, 2022

Aug 17, 2022

09:03:21

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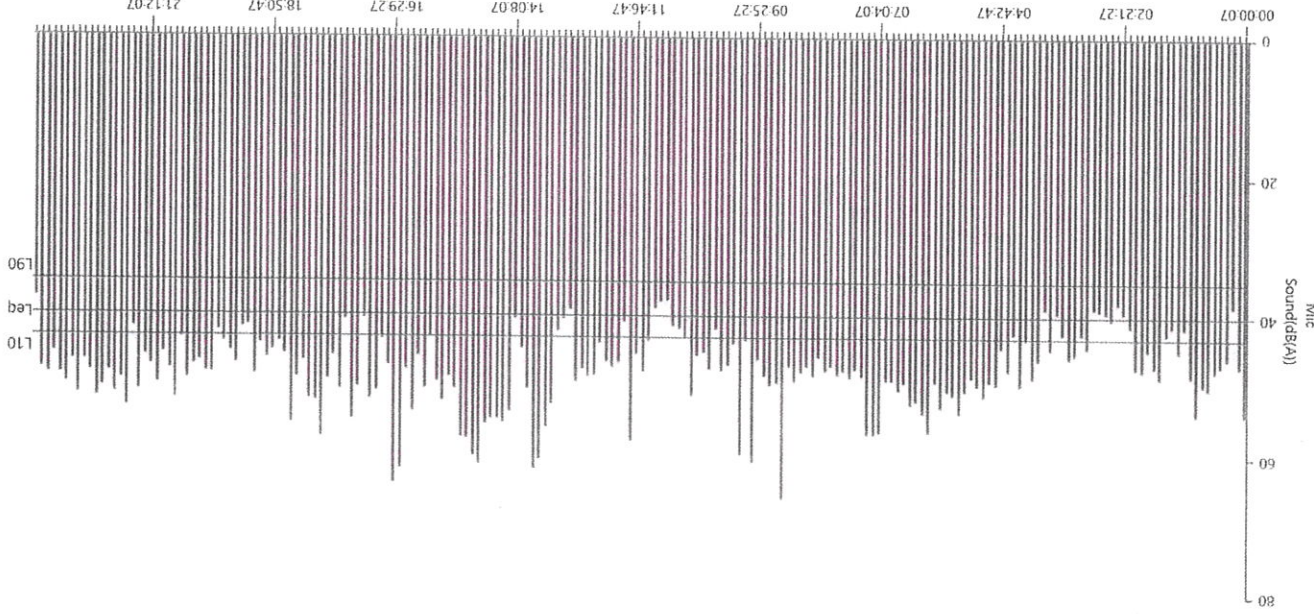
09:03:21

09:03:21

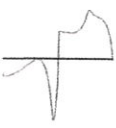
09:03:21

09:03:21

09:03:21



Passed



Sensor Check

Serial Number UMI13917
Model Number UMI13917
Battery Level 3.8 volts
Unit Calibration UMI13917_20220817000005.IDFH
Microphone Calibration UMI13917_20220817000005.IDFH
Event File Name Disabled
USB Sensor Support Disabled

August 17, 2022 00:00:05
August 17, 2022 23:29:59
42297.25/2 sec
4096 sps
Spicewood Hwy 71 - Noise 2.mmb
Operator Spicewood Hwy 71 - Noise 2



Start
Finish
Number of Intervals/Interval
Sample Rate
Setup File Name
Operator

August 17, 2022 00:00:05
August 17, 2022 23:29:58
1409.89/60 sec
4096 sps
Spicewood Hwy 71 - Noise 3.mmb

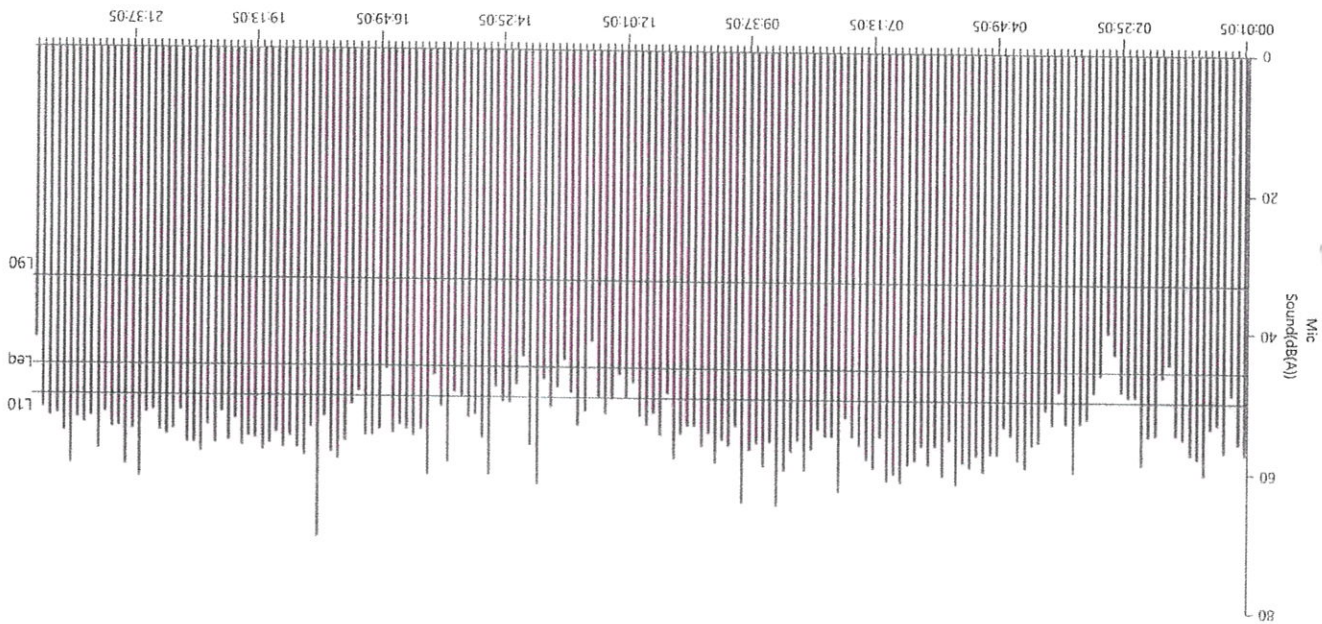
Notes
Location
Client
Company
General Notes

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

Extended Note N30.490958 W98.213495
Post Event Notes No text to be displayed.

Sound Level Microphone

LMax
Date
Time
A-Weight Slow
70.0 dB(A)
Aug 17, 2022
18:01:05
LMin L10 L90 Leg
31.6 50 33 45.5
Sensor Check Passed
Test Amplitude
1033 mv



Sensor Check Passed

Serial Number UMI3416
Model Number Micromate ISEE 10.90GC
Battery Level 3.8 volts
Unit Calibration August 24, 2021 by Instantel
Event File Name UMI3416_20220817000005.IDFH
USB Sensor Support Disabled

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

Long at August 17, 2022 13:44:27
 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
 USB Sensor Support

UMN8046
 Micramate ISEE 10.90GC
 3.8 volts
 May 6, 2022 by InstanTel
 UMN8046_20220817134427.IDFW
 Disabled

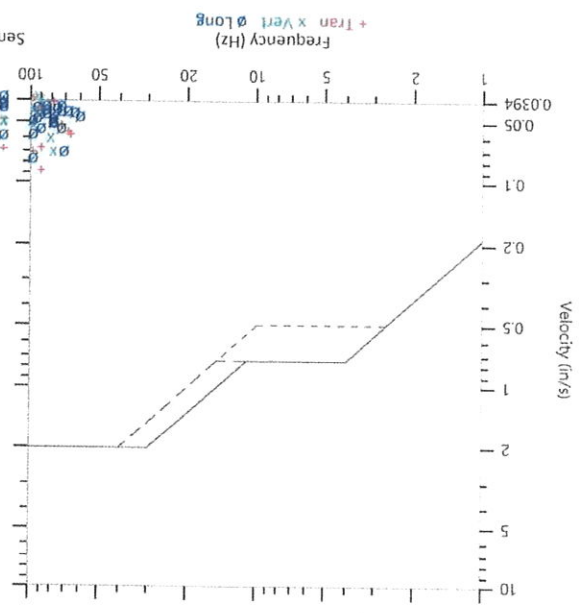
Notes
 Location
 Station 1
 Spicewood Crushed Stone
 Company
 Hwy 71 Quarry
 IGS, Inc.

Extended Note N30.49572 W98.21577
 Post Event Notes No text to be displayed.

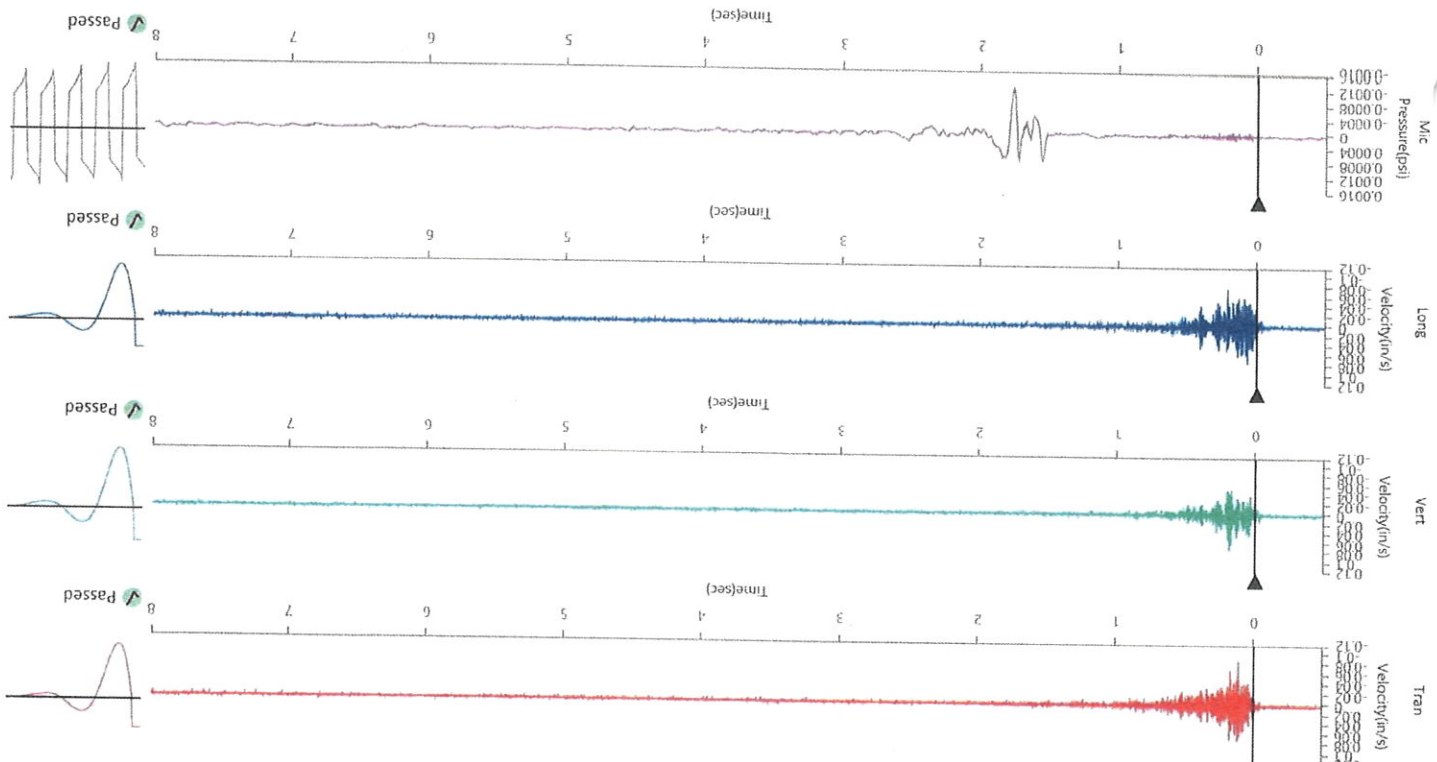
Geophone
 Peak Particle Velocity
 Zero Crossing Frequency
 Time (Relative to Trigger)
 Peak Acceleration
 Peak Displacement
 Sensor Check
 Frequency
 Overswing Ratio
 Peak Vector Sum
 ISEE Linear Microphone
 Peak Sound Pressure Level
 Time (Relative to Trigger)
 Zero Crossing Frequency
 Sensor Check
 Test Amplitude

Parameter	Value	Pass/Fail
Tran	0.0903 in/s	Passed
Vert	0.0735 in/s	Passed
Long	0.0791 in/s	Passed
Tran	89.0 Hz	Passed
Vert	78.8 Hz	Passed
Long	97.5 Hz	Passed
Tran	0.132 g	Passed
Vert	0.095 g	Passed
Long	0.118 g	Passed
Tran	0.000 in	Passed
Vert	0.000 in	Passed
Long	0.000 in	Passed
Tran	0.132 sec	Passed
Vert	0.188 sec	Passed
Long	0.212 sec	Passed
Tran	4.1	Passed
Vert	7.5 Hz	Passed
Long	7.3 Hz	Passed
Tran	0.0032 in/s at 0.14 sec	Passed
Vert	1261 mv	Passed
Long	19.7 Hz	Passed
Tran	8.8 Hz	Passed
Vert	1.763 sec	Passed
Long	112.9 dB(L)	Passed
Tran	0.001283 psi	Passed

USBM R18507 And OSMRE Velocity Versus Frequency (Zero Crossing)



Sensor Check



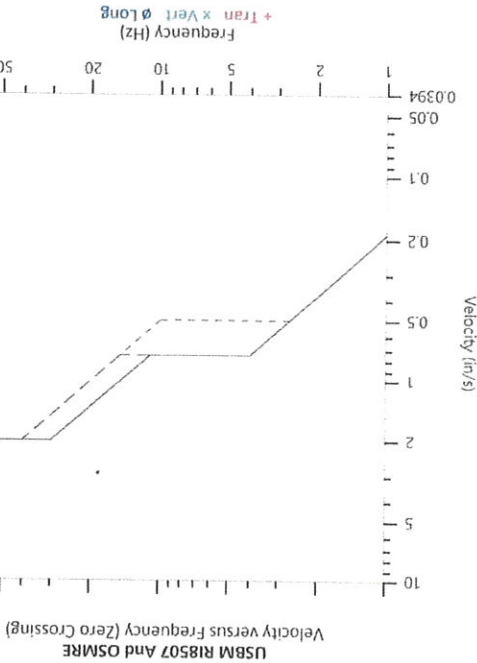
Wavform Trigger Source
 Trigger Level(s)
 Trigger Level (Mic)
 Pre-Trigger/Record Time
 Sample Rate
 Setup File Name
 Operator

Tran at August 17, 2022 13:44:26
 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

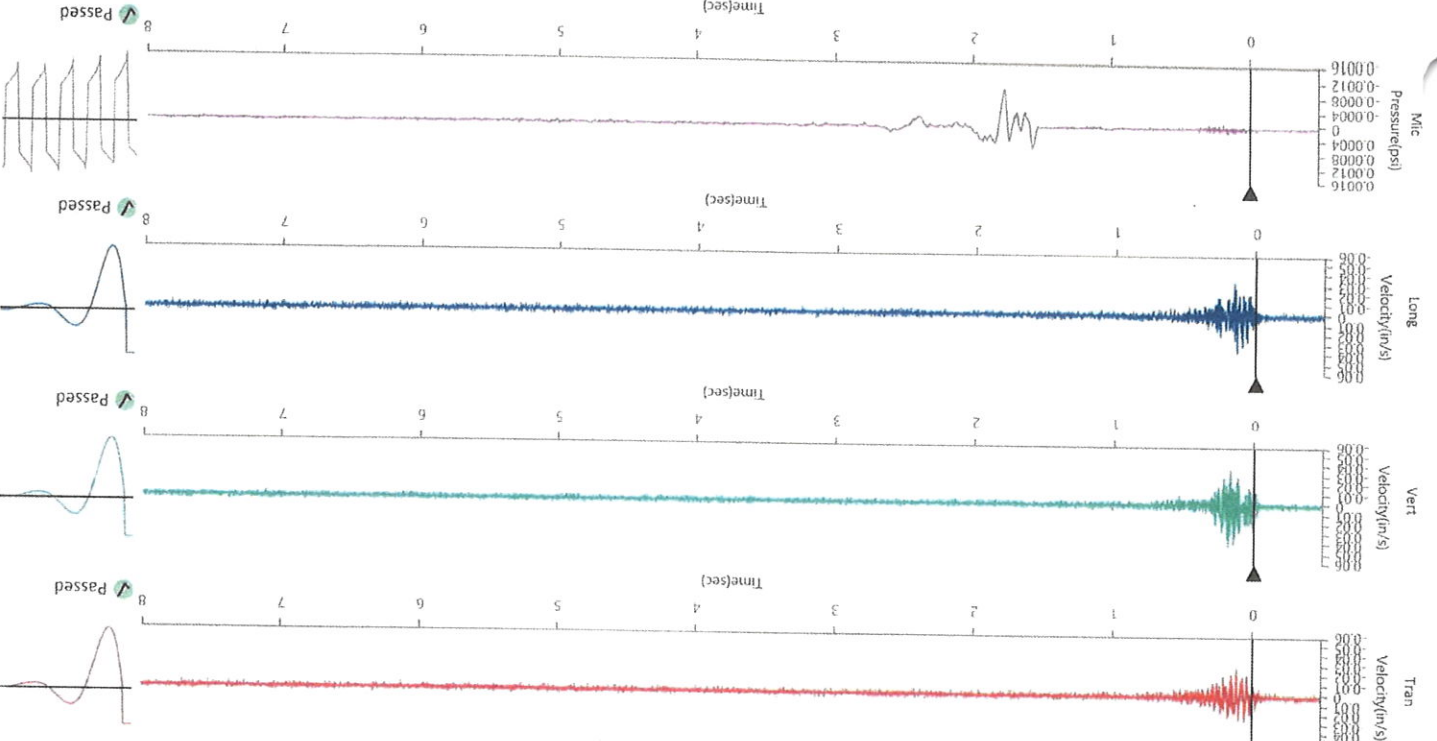
Notes
 Location
 Station 2
 Spicewood Crushed Stone
 Client
 Company
 Spicewood Crushed Stone
 General Notes
 IGS, Inc

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

Geophone	Long	Vert	Tran
Peak Particle Velocity	0.0369 in/s	0.0410 in/s	0.0295 in/s
Zero Crossing Frequency	81.9 Hz	78.8 Hz	97.5 Hz
Time (Relative to Trigger)	0.133 sec	0.184 sec	0.114 sec
Peak Acceleration	0.079 g	0.066 g	0.049 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	Passed	Passed	Passed
Overwriting Ratio	3.4	3.6	3.9
Peak Vector Sum	0.0436 in/s at 0.169 sec		
ISSE Linear Microphone			
Peak Sound Pressure Level	0.001040 psi		
Peak Sound Pressure Level	111.1 dB(L)		
Time (Relative to Trigger)	1.778 sec		
Zero Crossing Frequency	7.7 Hz		
Sensor Check	Passed		
Frequency	19.7 Hz		
Test Amplitude	1244 mv		



Sensor Check



Serial Number UMN9068
 Battery Level 3.8 volts
 Micromate ISSE 10.90FB
 December 2, 2021 by Instanteel
 UMN9068_20220817134426.IDFW
 Disabled
 Event File Name
 Unit Calibration
 USB Sensor Support

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

Vert at August 17, 2022 13:44:26
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
Unit File Name
USB Sensor Support

UM6548
Micromate ISEE 10.90GC
3.8 volts
April 19, 2022 by Instantel
UM6548_20220817134426.IDFW
Disabled

Notes

Location
Station 3
Spicewood Crushed Stone
Client
Company
General Notes

Extended Note

N30.49742 W98.21566
No text to be displayed.

Post Event Notes

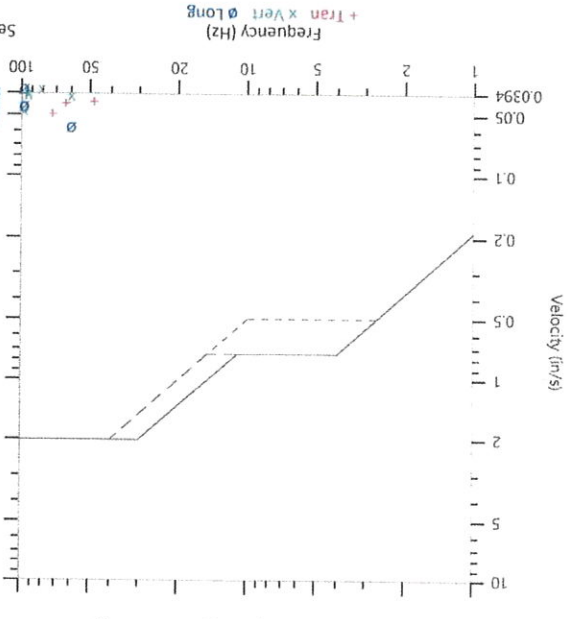
Geophone

Zero Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Overswing Ratio
Peak Vector Sum
0.0747 in/s at 0.131 sec

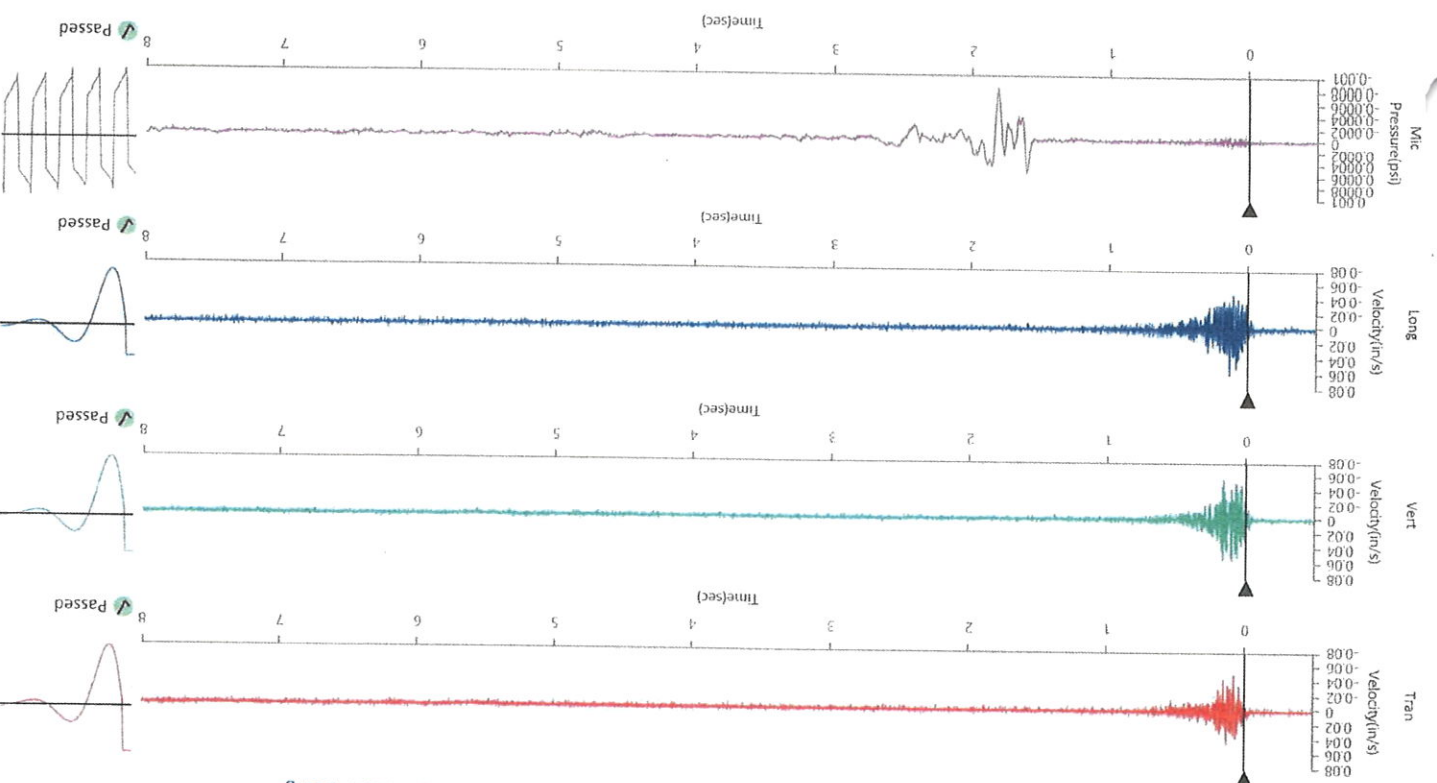
ISEE Linear Microphone
Peak Sound Pressure Level
Peak Sound Pressure Level
Time (Relative to Trigger)
Zero Crossing Frequency
Sensor Check
Test Amplitude

Trans	0.0512 in/s	73.1 Hz	0.079 sec	0.086 g	0.000 in	0.000 in	0.112 g	0.000 in	0.095 g	0.131 sec	60.2 Hz	0.0602 in/s
Vert	0.0571 in/s	>100 Hz	0.164 sec	0.112 g	0.000 in	0.000 in	0.112 g	0.000 in	0.095 g	0.131 sec	60.2 Hz	0.0602 in/s
Long	0.0502 in/s	3.5 Hz	0.079 sec	0.086 g	0.000 in	0.000 in	0.112 g	0.000 in	0.095 g	0.131 sec	60.2 Hz	0.0602 in/s

USBM R18507 And OSMRE
Velocity versus Frequency (and Zero Crossing)



Sensor Check



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

Long at August 17, 2022 13:44:26
 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

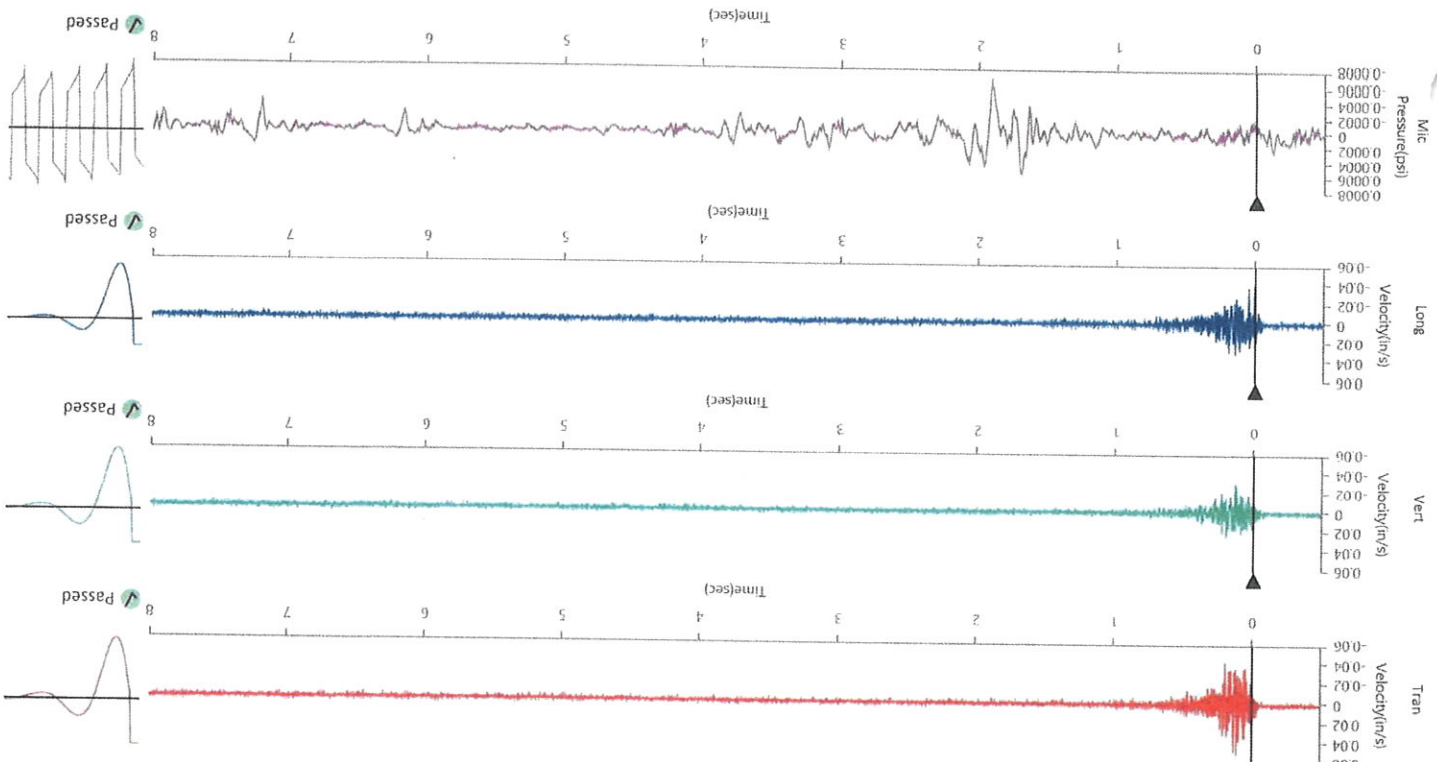
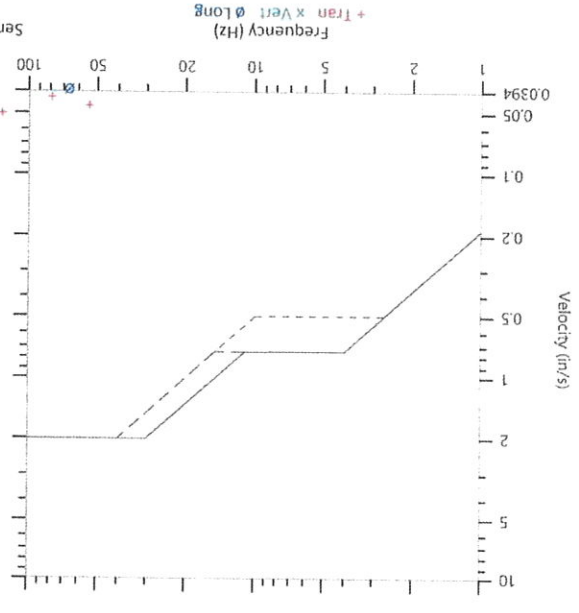
Notes
 Location
 Station 4
 Spicewood Crushed Stone
 Company
 Hwy 71 Quarry
 General Notes
 IGS, Inc.

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

Geophone
 Zero Particle Velocity
 Zero Crossing Frequency
 Time (Relative to Trigger)
 Peak Acceleration
 Peak Displacement
 Sensor Check
 Overswing Ratio
 Peak Vector Sum
 ISEE Linear Microphone
 Peak Sound Pressure Level
 Peak Sound Pressure Level
 Time (Relative to Trigger)
 Sensor Check
 Zero Crossing Frequency
 Test Amplitude

Tran	0.0521 in/s	0.0310 in/s	>100 Hz	0.112 sec	0.109 g	0.000 in	0.000 in	7.3 Hz	3.5
Vert	0.0310 in/s	0.0310 in/s	>100 Hz	0.133 sec	0.063 g	0.000 in	0.000 in	7.3 Hz	3.5
Long	0.0400 in/s	0.0400 in/s	66.1 Hz	0.008 sec	0.063 g	0.000 in	0.000 in	7.3 Hz	4.5

USBM R18507 And OSMR
 Velocity versus Frequency (Zero Crossing)



Serial Number
 Model Number
 Battery Level
 Unit Calibration
 Event File Name
 USB Sensor Support
 UMW153
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by Instanteel
 UMW153_20220817134426.IDFW
 Disabled

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

Long at August 17, 2022 13:44:27
 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

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

Extended Note N30.49911 W98.21538
 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
 Overswing Ratio

0.0692 in/s
 78.8 Hz
 0.144 sec
 0.109 g
 0.000 in
 0.000 in
 Passed
 7.5 Hz
 4.0

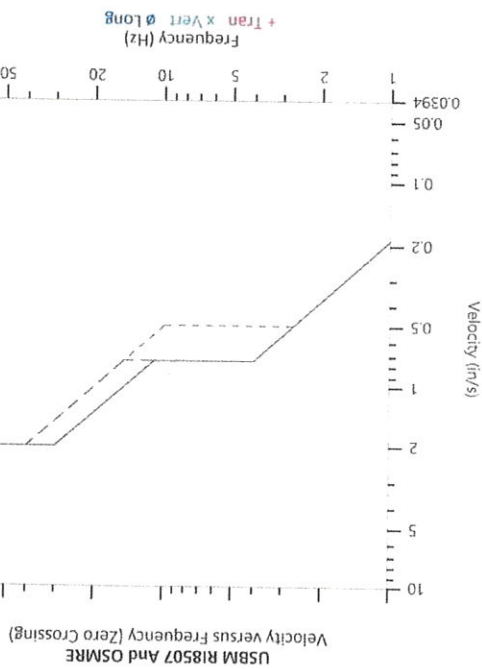
ISEE Linear Microphone
 Peak Sound Pressure Level
 Time (Relative to Trigger)
 Zero Crossing Frequency
 Sensor Check
 Test Amplitude

0.000236 psi
 1.980 sec
 5.1 Hz
 Passed
 19.7 Hz
 1255 mv

Peak Vector Sum
 0.0702 in/s at 0.144 sec

Tran
 0.0338 in/s
 78.8 Hz
 0.125 sec
 0.056 g
 0.000 in
 Passed
 7.5 Hz
 4.5

Vert
 0.0552 in/s
 >100 Hz
 0.087 sec
 0.095 g
 0.000 in
 Passed
 7.3 Hz
 4.8



USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)
 Frequency (Hz)
 + Tran x Vert @ Long

Serial Number
 Model Number
 Battery Level
 Unit Calibration
 Event File Name
 USB Sensor Support
 UMI13415
 Micromate ISEE 10.90FB
 3.8 volts
 September 16, 2021 by Instanteel
 UMI13415_20220817134427.IDFW
 Disabled

Station 5
 Spicewood Crushed Stone
 Company
 Client
 General Notes
 IGS, Inc.

Extended Note N30.49911 W98.21538
 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
 Overswing Ratio

0.0692 in/s
 78.8 Hz
 0.144 sec
 0.109 g
 0.000 in
 0.000 in
 Passed
 7.5 Hz
 4.0

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

0.000236 psi
 1.980 sec
 5.1 Hz
 Passed
 19.7 Hz
 1255 mv

Peak Vector Sum
 0.0702 in/s at 0.144 sec

Tran
 0.0338 in/s
 78.8 Hz
 0.125 sec
 0.056 g
 0.000 in
 Passed
 7.5 Hz
 4.5

Vert
 0.0552 in/s
 >100 Hz
 0.087 sec
 0.095 g
 0.000 in
 Passed
 7.3 Hz
 4.8

Long
 0.0552 in/s
 >100 Hz
 0.087 sec
 0.095 g
 0.000 in
 Passed
 7.3 Hz
 4.8

Mic
 0.000236 psi
 1.980 sec
 5.1 Hz
 Passed
 19.7 Hz
 1255 mv

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

Tran at August 17, 2022 13:44:25
 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

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

Extended Note N30.495113 W98.206539
 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
 Overwring Ratio

Tran
 0.1198 in/s
 40.2 Hz
 0.068 sec
 0.214 g
 0.000 in
 0.001 in
 0.244 g
 0.194 g
 0.000 in
 0.000 in
 7.5 Hz
 3.5

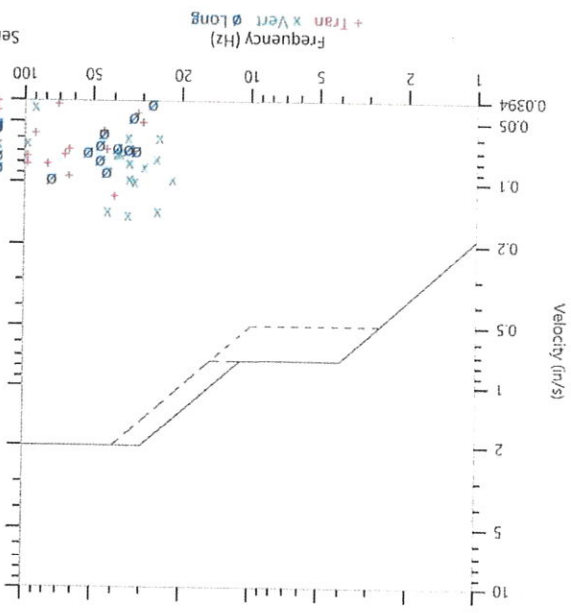
Vert
 0.1536 in/s
 34.7 Hz
 0.173 sec
 0.214 g
 0.194 g
 0.000 in
 0.000 in
 7.5 Hz
 3.5

Long
 0.1018 in/s
 75.9 Hz
 0.065 sec
 0.214 g
 0.194 g
 0.000 in
 0.000 in
 7.5 Hz
 2.9

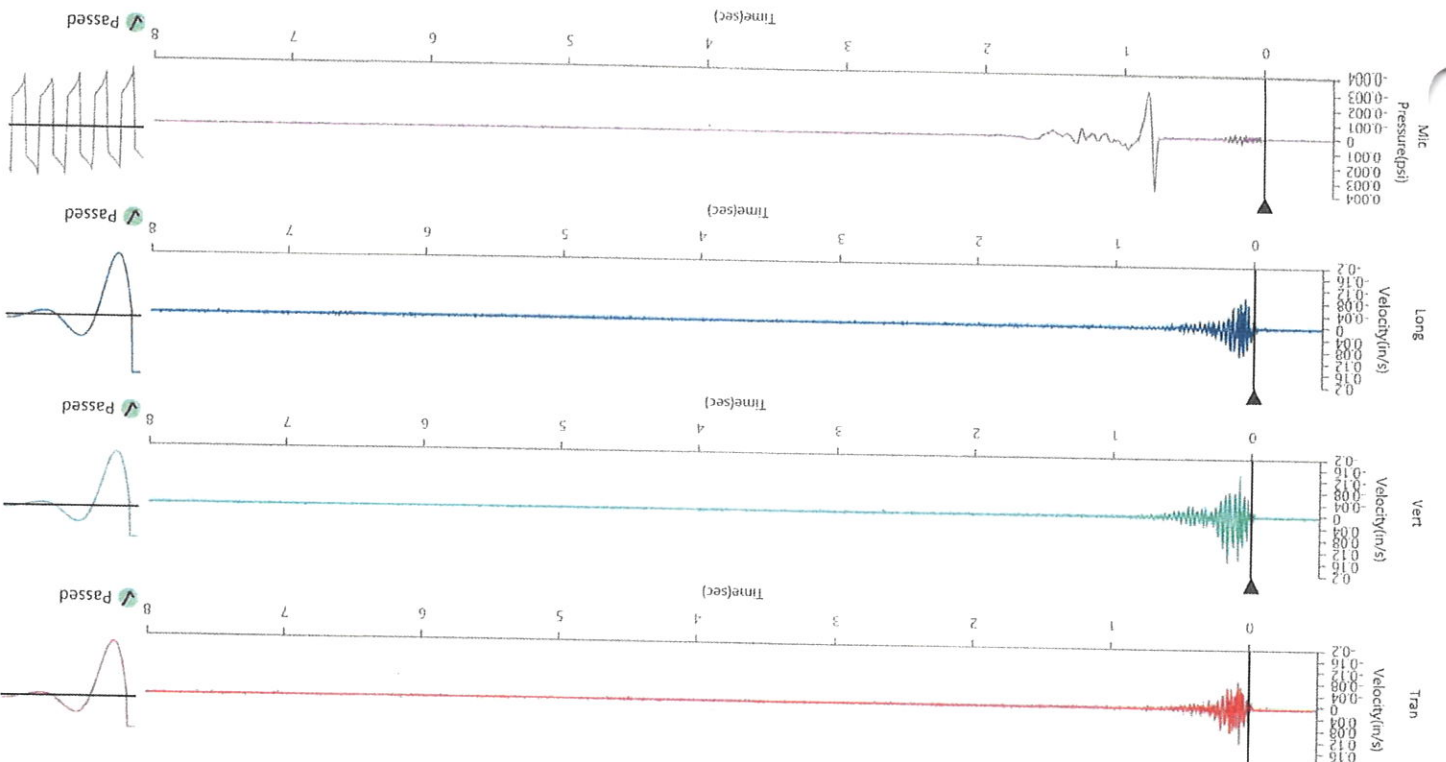
Peak Vector Sum
 ISEE Linear Microphone
 Peak Sound Pressure Level
 Peak Sound Pressure Level
 Time (Relative to Trigger)
 Zero Crossing Frequency
 Sensor Check
 Test Amplitude

0.003497 psi
 121.6 dB(L)
 0.787 sec
 9.2 Hz
 Passed
 1271 mv

USBM R18507 and OSMRE
 Velocity versus Frequency (Zero Crossing)



Sensor Check



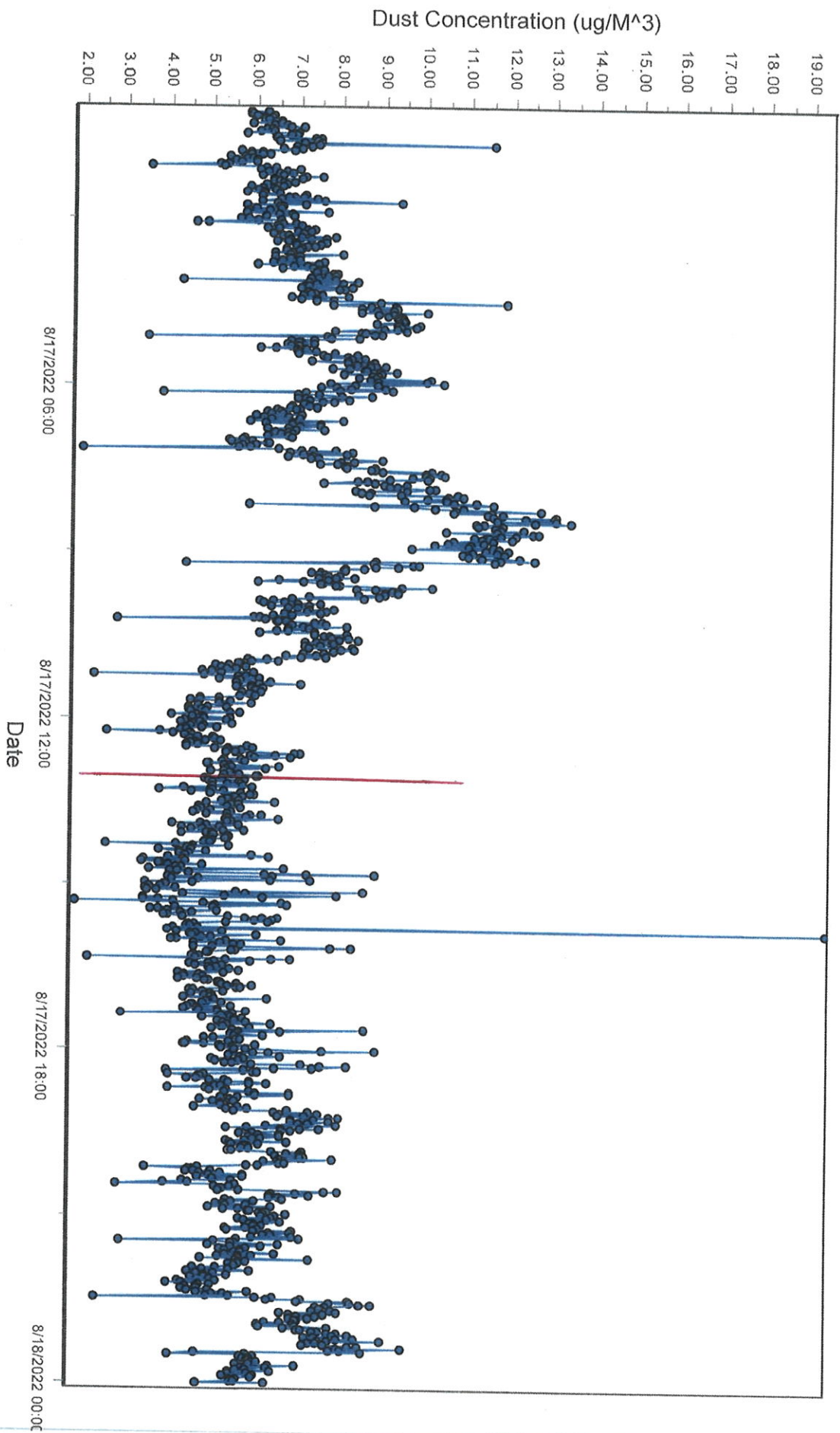
Serial Number UMW453
 Battery Level 10.90FB
 3.8 volts
 UMW453_20220817134425.IDFW
 September 16, 2021 by Instantel
 Disabled

USB Sensor Support
 Unit Calibration
 Event File Name
 Spicewood Hwy 71 - Station 6.mmb
 Operator

Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

D100@AvgPartL



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor

D100@AvgPartL

