EARTHQUAKE ACTIVITY IN THE UTAH REGION

Preliminary Epicenters

January 1 – March 31, 2022

Prepared by the University of Utah Seismograph Stations and funded by
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June 28, 2022

Foreword and Data Explanation

This report contains an epicenter map (Figure 1) and listings of earthquakes (Tables 1 and 2) detected and located in the Utah region (lat. 36° 45′ – 42° 30′ N, long. 108° 45′ – 114° 15′ W). The computer program HYPOINVERSE-2000 (F. W. Klein, 2012, U.S. Geological Survey Open-File Report 02-171 revised) was used to process the earthquake data. This report also includes maps and a table of operating seismograph stations in the University of Utah's regional/urban seismic network (Figures 2 and 3, Table 3).

The earthquake listing in Table 2 is estimated to be systematically complete above magnitude 1.5 within the Intermountain Seismic Belt in Utah and above magnitude 2.0 to 2.5 elsewhere in the state. *These data are preliminary—both the locations and magnitudes in this table are subject to revision. The catalog may include some man-made seismic events not yet identified.*

The following data are listed for each earthquake in Table 2:

- Date (yymmdd) and origin time in Universal Coordinated Time (UTC). To convert to local time, subtract seven hours for Mountain Standard Time (MST) and six hours for Mountain Daylight Time (MDT). During the report period, local time was MST through 02:00 (2:00 a.m.) on March 13 and MDT thereafter.

- Earthquake location coordinates in degrees and minutes of north latitude and west longitude, and depth in kilometers below sea level. Note that prior to October 1, 2012, the earthquake depths in these quarterly reports were computed relative to a datum of 1500 m above sea level.

- "*" indicates poor depth resolution: no recording stations within 10 km or twice the depth.

- MAG, the computed Richter local magnitude (M_L) for each earthquake. "W" indicates that peak amplitude measurements from Wood-Anderson records were used. Otherwise, the estimate is calculated from signal durations and is more correctly identified as coda magnitude (M_C). The notation "--" indicates that a reliable magnitude estimate could not be made.

- NO, the number of P and S readings used in the solution.

- GAP, the largest azimuthal separation in degrees between recording stations used in the solution.

- DMN, the epicentral distance in kilometers to the closest station.

- RMS, the weighted root-mean-square of the travel-time residuals in seconds:

$$RMS = \left(\frac{\sum_i (W_i R_i)^2}{\sum_i (W_i)^2} \right)^{\frac{1}{2}}$$

where: R_i is the observed minus the computed arrival time for the i-th P or S reading, and W_i is the relative weight given to the i-th P or S arrival time (0.0 for no weight through 1.0 for full weight).

EARTHQUAKE ACTIVITY IN THE UTAH REGION
January 1 – March 31, 2022

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During the three-month period January 1, 2022, through March 31, 2022, the University of Utah Seismograph Stations (UUSS) located 866 earthquakes within the Utah region (Figure 1). The total includes three earthquakes in the magnitude 3 range and 127 earthquakes in the magnitude 2 range. Earthquakes of magnitude 3.0 or larger (plotted as stars and specifically labeled on Figure 1) are listed below. Two earthquakes were reported felt during the report period (see Table 1, a cumulative tabulation of earthquakes during 2022 that were either felt in the Utah region or for which a ShakeMap was produced, or both). Additional information on earthquakes within the Utah region is available from the University of Utah Seismograph Stations.

Online Information

A complete copy of this report, including maps and the earthquake catalog, is available on the UUSS web site at *http://www.quake.utah.edu/earthquake-center/quarterly-seismicity-reports*.

Note: On October 1, 2012, UUSS began using the ANSS Quake Monitoring System (AQMS) software package for data acquisition and data processing. The primary effect on the data reported herein comes from computing the earthquake locations with a newer version of the computer program HYPOINVERSE-2000 (F. W. Klein, 2012, U.S. Geological Survey Open-File Report 02-171 revised) and a revised and expanded set of velocity models. As implemented at UUSS, this new version of the location program accounts for station elevation differences more accurately and reports focal depths relative to sea level instead of the 1500 m elevation datum used previously.

ShakeMaps—computer maps of the ground shaking produced by an earthquake—are automatically produced by UUSS for earthquakes of magnitude 3 and larger within a 75-mile wide zone along the I-15 corridor and magnitude 3.5 and larger elsewhere in the Utah region. These magnitude thresholds have changed with time as the network of strong-motion stations in the state has expanded. The ShakeMaps are accessible on the UUSS web page at *http://www.quake.utah.edu*. Earthquakes for which ShakeMaps are available are indicated in Table 1.

For earthquakes of magnitude 3 and larger in the Utah region, the U. S. Geological Survey automatically posts a Community Internet Intensity Map (CIIM) on its "Did You Feel It?" web page at http://earthquake.usgs.gov/earthquakes/dyfi/. We encourage anyone who feels an earthquake to report their observations on this interactive web site; felt information is available by zip code on the CIIM site or can be obtained from UUSS directly.

Earthquakes of Magnitude 3.0 or Larger

M_L 3.0	February 6	00:30 MST	14 mi NNW of Panguitch, UT
M_L 3.5	February 19	15:17 MST	2 mi ESE of Sevier, UT
M_L 3.4	March 2	02:08 MST	3 mi E of Sevier, UT

Other Notable Seismicity

During the report period, there were six notable spatial clusters of natural earthquake activity. For reporting purposes, we define a cluster as ten or more earthquakes occurring within a 10-km (6-mile) radius during the report period.

A. A cluster of 27 earthquakes ($0.2 \leq M \leq 1.9$) occurred about 5 mi NW of West Valley City, UT. Four of these events, including a magnitude 1.9 shock, occurred between January 30 to February 1.
B. A cluster of 30 earthquakes ($1.0 \leq M \leq 3.5$) occurred about 3 mi ESE of Sevier, UT. Nine of these events, including a magnitude 3.5 shock, occurred between February 19 and February 21.
C. A cluster of 21 earthquakes ($0.3 \leq M \leq 1.5$) occurred about 16 mi SSW of Kanosh, UT. 12 of these events, including a magnitude 1.5 shock, occurred between March 17 and March 20.
D. A cluster of 19 earthquakes ($-0.9 \leq M \leq 0.8$) occurred about 12 mi NE of Milford, UT. Four of these events, including a magnitude 0.8 shock, occurred between January 27 and January 31.
E. A cluster of 21 earthquakes ($0.5 \leq M \leq 2.0$) occurred about 5 mi SW of Milford, UT. 20 of these events, including a magnitude 2.0 shock, occurred between February 10 and February 12.
F. A cluster of 60 earthquakes ($0.7 \leq M \leq 2.6$) occurred about 7 mi SSE of Cedar City, UT. 49 of these events, including a magnitude 2.6 shock, occurred between January 2 and January 12.

In Figure 1, the locally clustered seismic events within a radius of approximately 30 miles of Price, together with a localized cluster about 50 miles to its southwest, are associated with known areas of underground coal mining and are interpreted to be mining-related. These events include a total of 513 located shocks ($0.8 \leq M \leq 2.7$) that occurred during the report period.

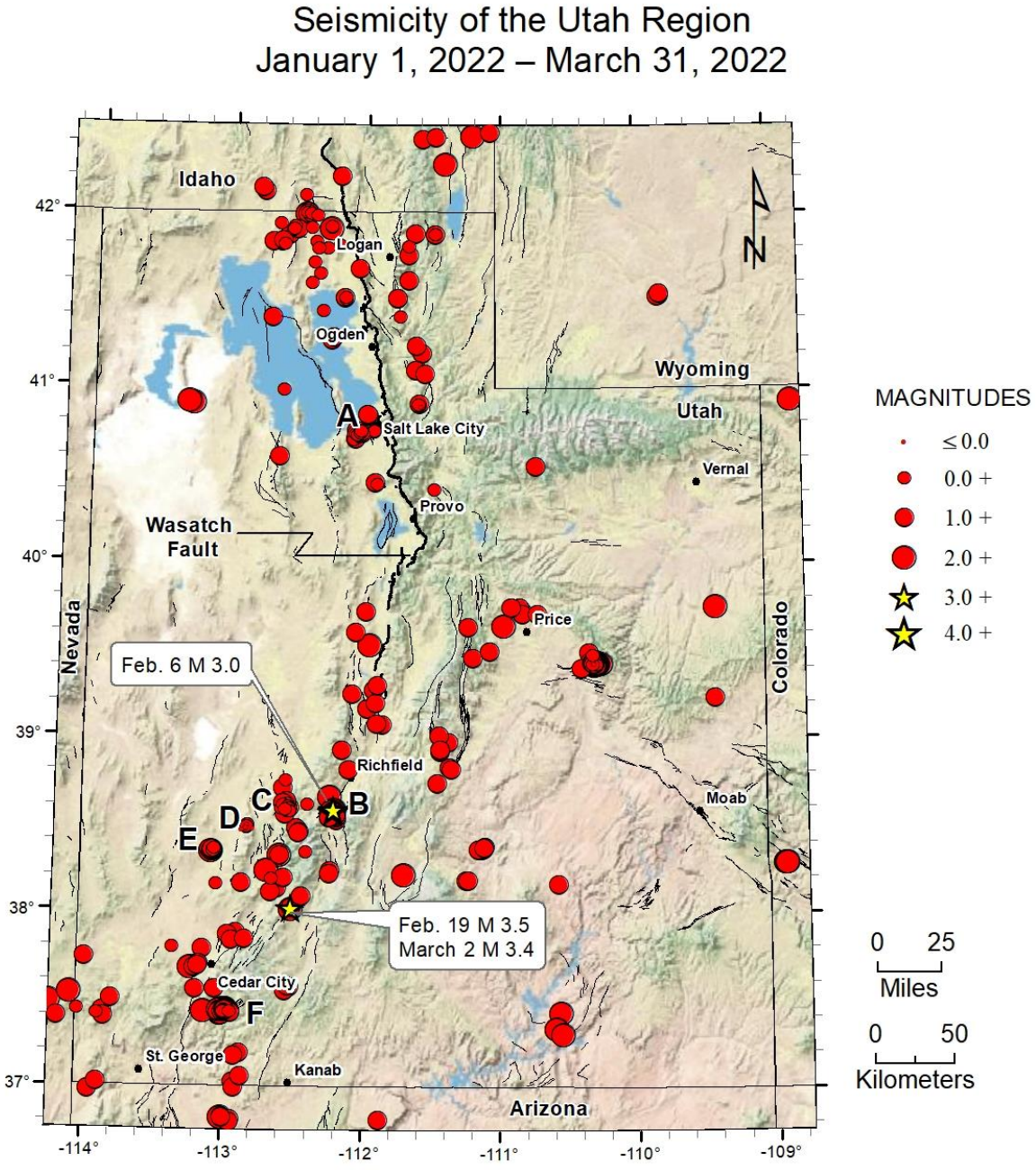


Figure 1. Earthquake epicenters, located by the University of Utah Seismograph Stations, superimposed on a map of Quaternary (geologically young) faults (black lines) compiled by the Utah Geological Survey. The Wasatch fault is shown in bold. Earthquakes of magnitude 3.0 and larger are labeled by local date and size. The earthquake clusters labeled A–F are discussed in the text.

Table 1

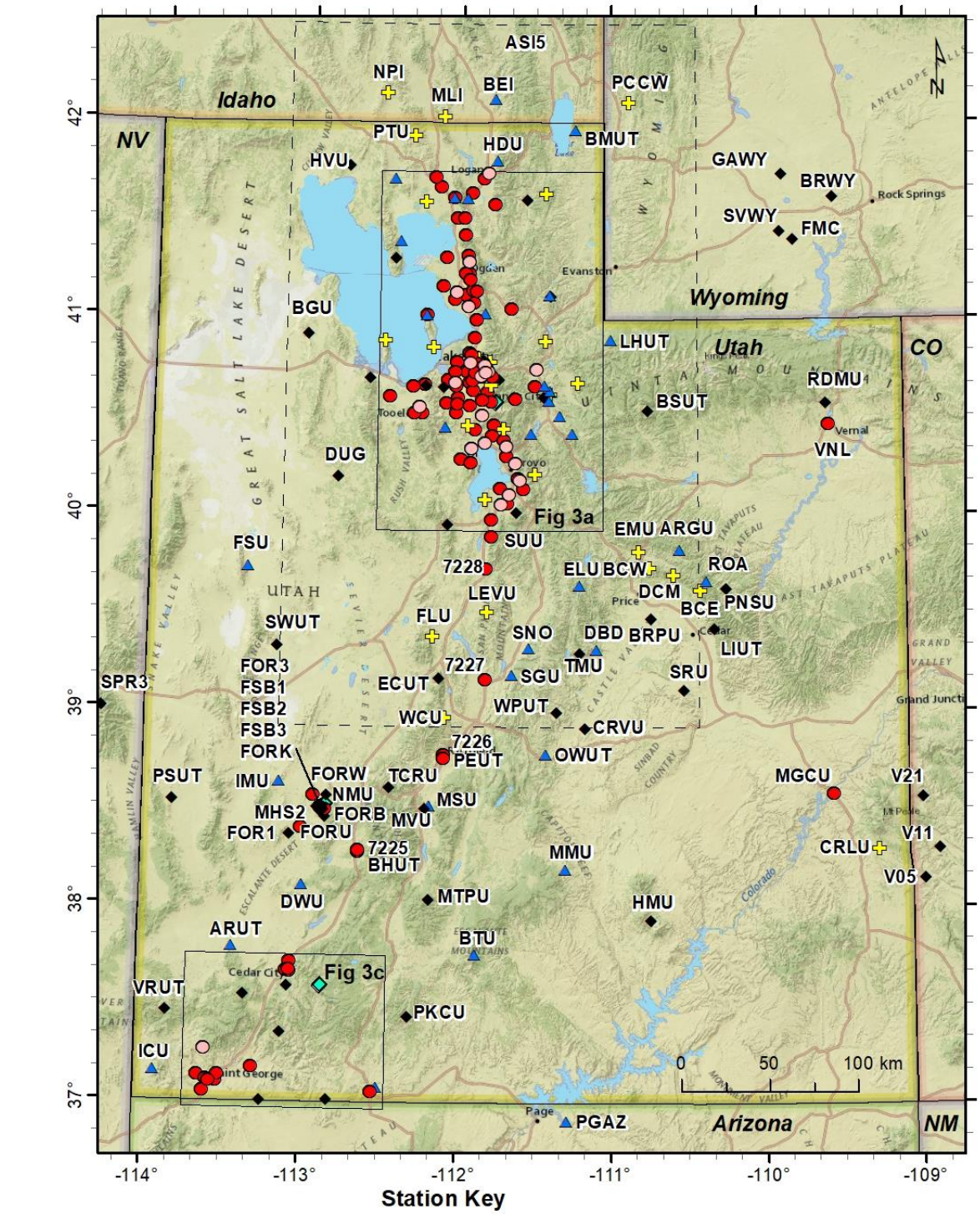
EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION

January 1, 2022 to December 31, 2022

Date and Time†	Felt Information‡	Latitude	Longitude	Magnitude§
2022-02-19 15:17:28 MST 2022-02-19 22:17:28 UTC	DYFI ShakeMap	38º 34.41′	112º 13.43′	M_L 3.5
2022-03-02 02:08:11 MST 2022-03-02 09:08:11 UTC	DYFI ShakeMap	38º 35.09′	112º 12.75′	M_L 3.4

† Times are listed both as Local Time—Mountain Standard Time (MST) or Mountain Daylight Time (MDT)—and as Universal Coordinated Time (UTC).
‡ *DYFI* indicates the availability of a Community Internet Intensity Map (https://earthquake.usgs.gov/earthquakes/dyfi), compiled by the U.S. Geological Survey (USGS); *ShakeMap* indicates the availability of computer-generated maps of ground-shaking produced by the University of Utah Seismograph Stations (UUSS) and displayed by USGS at https://earthquake.usgs.gov/earthquakes/shakemap.
§ Moment magnitude (M_W), Richter local magnitude (M_L), and coda magnitude (M_C) determined by UUSS. If labeled "NEIC," data are from the National Earthquake Information Center of the USGS.

Utah Regional/Urban Seismic Network
March 31, 2022



▲ Single-component, Analog-telemetry, Short-period

◇ Multi-component, Analog-telemetry, Short-period

◆ Multi-component, Digital-telemetry, Broadband

● Multi-component, Digital-telemetry, Strong Motion

Bounds of map correspond to standard "Utah Region"

Traditional "Wasatch Front Area"

✚ Multi-comp Strong-Motion, Vertical Short-Period Digital and/or Analog-telemetry

○ NetQuakes

Figure 2

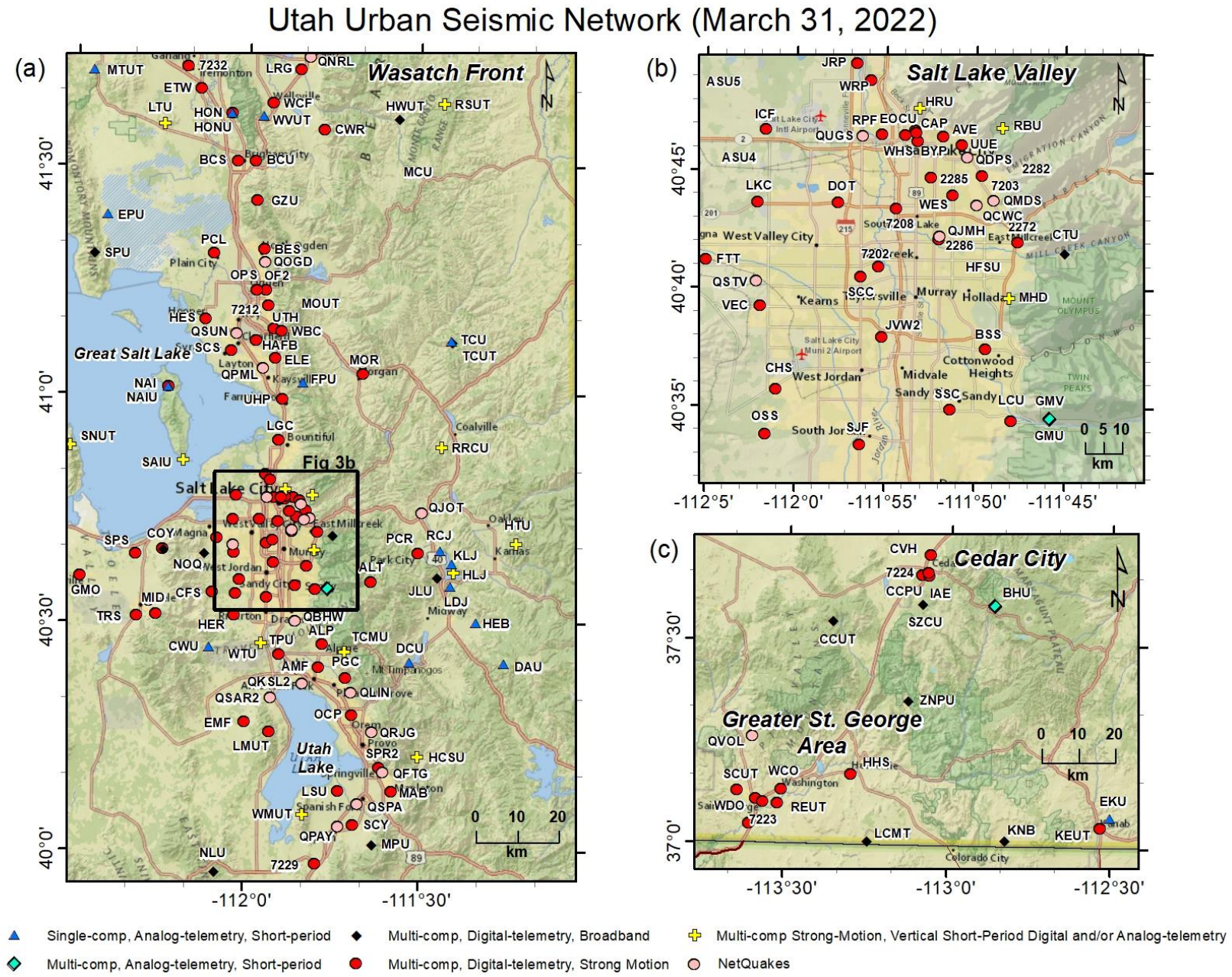

Utah Urban Seismic Network (March 31, 2022)
(a)
Wasatch Front
Great Salt Lake
Fig 3b
Salt Lake City
Utah Lake
(b)
Salt Lake Valley
West Valley City
Kearns
Murray
Cottonwood Heights
Midvale
West Jordan
Sandy
(c)
Cedar City
Greater St. George Area
ZNPU
CCUT
SZCU
CVH
BHU
IAE
CCPU
7224
QVOL
SCUT
WCO
REUT
WDO
7223
LCMT
KNB
KEUT
EKU
Colorado City
-112°0'
-111°30'
-112°5'
-111°55'
-111°50'
-111°45'
-113°30'
-113°0'
-112°30'
41°30'
41°0'
40°30'
40°0'
40°45'
40°40'
40°35'
37°30'
37°0'
0 10 20
km
0 5 10
Single-comp, Analog-telemetry, Short-period
Multi-comp, Digital-telemetry, Broadband
Multi-comp Strong-Motion, Vertical Short-Period Digital and/or Analog-telemetry
Multi-comp, Analog-telemetry, Short-period
Multi-comp, Digital-telemetry, Strong Motion
NetQuakes

Figure 3

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2022

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220101	01:36:11.09	38º 28.38′	112º 28.64′	12.1	1.9W	24	125	15	0.12
220101	01:37:37.08	38º 28.79′	112º 28.95′	9.3	1.8W	24	136	15	0.16
220101	01:43:43.31	38º 27.21′	112º 28.31′	7.4*	1.4W	12	165	17	0.05
220101	01:50:03.34	38º 27.42′	112º 27.94′	10.5	1.7W	13	202	17	0.05
220101	05:22:59.65	39º 42.12′	110º 43.45′	-2.8	1.1	6	144	4	0.04
220101	16:39:52.06	41º 54.84′	112º 33.74′	1.5*	0.8	9	138	20	0.09
220102	05:24:42.20	40º 44.49′	112º 02.52′	9.3	0.9	13	51	2	0.04
220102	18:47:23.63	37º 25.94′	112º 58.93′	2.1*	1.2W	10	163	15	0.13
220102	23:36:09.06	36º 49.19′	112º 59.95′	16.7	2.6W	18	99	27	0.16
220103	01:44:23.75	40º 43.54′	112º 04.37′	7.3	0.4	14	98	3	0.06
220103	08:56:36.98	37º 25.89′	113º 00.20′	-0.9*	2.4W	22	87	14	0.25
220103	09:35:44.69	37º 25.82′	113º 00.28′	-0.6*	2.3W	21	85	13	0.28
220103	11:09:43.15	37º 26.01′	112º 57.39′	5.1*	1.2	8	233	17	0.11
220103	12:00:20.79	37º 25.91′	113º 00.16′	1.5*	2.0W	13	87	14	0.25
220103	16:12:16.16	37º 25.14′	113º 00.47′	5.3*	2.2W	15	60	13	0.18
220103	16:19:05.14	37º 25.27′	112º 56.40′	1.6*	1.1W	9	250	18	0.10
220103	17:08:52.33	37º 26.05′	112º 59.03′	2.4*	1.9W	21	73	15	0.24
220103	17:21:19.12	37º 26.48′	112º 59.70′	3.7*	2.6W	21	65	15	0.12
220103	17:26:48.26	37º 26.33′	112º 58.90′	2.1*	1.7W	21	90	16	0.19
220103	17:59:30.25	39º 36.01′	112º 03.79′	15.2	1.6	18	53	24	0.17
220103	18:14:38.65	37º 25.87′	113º 00.51′	1.8*	1.3W	10	225	13	0.16
220103	18:48:11.38	39º 25.20′	110º 18.24′	-2.2	1.9W	14	197	2	0.13
220103	18:51:49.21	37º 26.06′	113º 01.00′	-0.9*	1.4W	10	203	13	0.07
220103	20:06:21.44	39º 25.42′	110º 18.49′	-1.6	1.4	5	196	1	0.02
220103	22:37:25.50	39º 25.24′	110º 18.32′	-2.0	1.9	9	197	2	0.12
220103	22:58:24.27	37º 26.30′	112º 59.36′	2.6*	1.5W	10	206	15	0.08
220104	02:00:21.03	37º 25.98′	112º 58.46′	3.3*	1.4W	5	192	16	0.08
220104	03:34:38.04	37º 26.13′	112º 59.49′	2.0*	1.2W	9	187	15	0.09
220104	05:16:17.69	39º 25.55′	110º 18.47′	-2.1	2.1W	11	196	2	0.13
220104	06:08:50.87	39º 25.45′	110º 18.75′	-1.4	2.1	7	194	1	0.03
220104	06:22:04.21	37º 25.57′	113º 00.60′	7.3	2.4W	22	90	13	0.26
220104	07:09:51.87	39º 25.49′	110º 18.64′	-1.4	1.8	7	195	1	0.07
220104	09:16:50.78	37º 25.93′	112º 59.66′	3.9*	2.5W	18	141	14	0.28
220104	11:16:45.41	37º 25.63′	112º 56.49′	1.7*	1.5W	11	214	18	0.21
220104	11:27:02.41	37º 26.23′	112º 58.45′	1.1*	2.5W	17	155	16	0.14
220104	12:31:51.79	37º 26.10′	112º 58.48′	-1.1*	1.7W	11	168	16	0.15
220104	14:06:39.58	37º 26.33′	112º 59.56′	1.8*	1.8W	10	187	15	0.14
220104	16:00:10.61	39º 25.53′	110º 18.94′	-1.4	2.1	8	194	1	0.07
220104	21:45:19.69	39º 25.26′	110º 18.55′	-1.8	2.3	8	196	1	0.13
220104	22:14:55.79	39º 25.47′	110º 18.90′	-1.2	1.2	5	194	1	0.01
220104	23:27:51.13	40º 44.30′	112º 02.22′	8.5	1.0	23	48	1	0.13
220105	00:20:57.26	39º 25.61′	110º 18.91′	-1.4	2.0	8	194	1	0.06
220105	00:28:25.56	37º 26.17′	112º 59.73′	2.7*	1.5W	9	154	15	0.06
220105	00:29:47.08	37º 25.63′	112º 59.75′	0.5*	1.3W	6	184	14	0.05

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2022

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220105	04:00:29.65	39º 25.57′	110º 19.20′	-1.3	1.8	6	192	1	0.01
220105	06:37:20.91	39º 25.41′	110º 18.04′	-2.9	2.0	11	199	2	0.15
220105	10:03:34.93	41º 25.97′	112º 20.18′	0.0	0.7	7	158	8	0.10
220105	12:09:37.98	37º 26.26′	112º 59.55′	2.2*	1.9W	14	150	15	0.12
220105	15:40:32.50	37º 26.17′	112º 59.70′	-0.4*	1.3W	10	150	15	0.12
220105	16:17:53.37	39º 25.47′	110º 18.75′	-1.3	2.0	5	194	1	0.03
220105	18:03:42.33	37º 25.76′	112º 59.05′	6.7*	1.3	9	188	15	0.21
220105	18:42:29.36	37º 26.20′	112º 58.15′	2.2*	1.6W	9	194	16	0.06
220105	18:50:45.03	37º 25.58′	112º 59.41′	2.2*	0.8W	7	161	14	0.09
220105	19:22:51.38	39º 25.44′	110º 18.82′	-1.4	2.0	5	194	1	0.02
220106	00:18:53.11	39º 25.45′	110º 18.77′	-1.4	2.4	5	194	1	0.02
220106	03:17:27.35	39º 25.39′	110º 18.69′	-1.5	1.5	6	195	1	0.02
220106	15:27:27.55	37º 19.88′	110º 35.53′	4.1*	2.2	11	107	158	0.12
220106	15:36:11.95	39º 25.21′	110º 17.85′	-3.2	2.3	10	200	2	0.15
220106	17:37:28.71	39º 25.58′	110º 18.79′	-1.4	2.1	8	194	1	0.07
220106	17:39:55.09	37º 18.13′	110º 32.95′	14.1*	2.2	9	184	92	0.11
220106	18:27:51.61	37º 25.39′	113º 00.23′	1.9*	1.7W	11	149	13	0.19
220106	18:29:29.23	37º 26.59′	112º 58.89′	1.6*	1.6W	8	192	16	0.15
220106	19:52:42.96	39º 25.50′	110º 18.96′	-1.4	2.2	18	178	1	0.11
220106	21:26:29.19	39º 25.51′	110º 18.93′	-1.3	1.5	8	194	1	0.04
220106	21:58:44.80	38º 11.65′	112º 34.36′	9.5	1.3	16	128	11	0.12
220106	22:39:22.27	37º 25.43′	113º 01.49′	2.3*	1.2W	7	151	12	0.13
220106	22:42:47.28	39º 25.51′	110º 18.90′	-1.3	1.6	7	194	1	0.04
220107	00:16:03.65	39º 25.37′	110º 18.52′	-1.6	2.2	8	196	1	0.08
220107	01:43:45.84	39º 25.40′	110º 18.30′	-2.2	1.7W	9	197	2	0.13
220107	02:30:40.49	39º 25.47′	110º 18.61′	-2.5	1.9	8	195	1	0.14
220107	02:57:54.04	37º 25.41′	113º 00.09′	1.1*	1.2W	7	160	13	0.14
220107	08:16:32.19	42º 05.47′	112º 28.70′	4.1	0.7	12	130	7	0.10
220107	09:59:03.05	37º 26.47′	112º 59.28′	1.7*	1.8W	15	80	15	0.17
220107	10:32:32.47	37º 25.61′	112º 59.52′	2.4*	1.5W	10	150	14	0.23
220107	10:52:01.91	37º 26.12′	112º 57.38′	2.4*	1.2W	7	242	17	0.14
220107	10:55:48.53	40º 44.73′	112º 02.77′	7.9	0.9W	30	44	2	0.19
220107	17:17:47.30	37º 25.66′	113º 00.60′	3.8*	1.9W	23	106	13	0.18
220107	19:34:04.62	41º 29.87′	112º 10.06′	0.5*	0.6	12	80	12	0.15
220108	01:31:10.79	37º 33.15′	113º 11.73′	2.1*	1.3	6	102	11	0.12
220108	01:59:00.77	37º 25.73′	113º 00.17′	4.3*	1.9W	10	130	14	0.17
220108	02:01:54.79	41º 54.32′	112º 25.88′	4.0	0.4	6	176	9	0.01
220108	09:00:09.32	39º 29.35′	111º 04.69′	3.1*	1.3	6	105	20	0.07
220108	13:10:28.96	37º 26.19′	112º 59.28′	1.7*	0.9W	9	150	15	0.08
220108	19:48:03.05	37º 25.87′	113º 00.24′	2.2*	1.3W	6	150	14	0.24
220108	23:40:49.87	40º 50.73′	111º 59.74′	0.3	1.0	18	67	8	0.13
220109	00:21:57.11	37º 25.37′	112º 56.81′	1.5*	0.7	7	208	17	0.11
220109	00:22:03.80	37º 25.89′	113º 01.10′	3.2*	2.0W	13	89	13	0.25
220109	04:53:03.90	39º 27.10′	111º 12.33′	0.9*	1.6W	14	110	21	0.14

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2022

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220109	08:26:51.86	37º 25.94′	112º 58.79′	2.5*	1.3W	7	208	15	0.05
220109	08:42:13.82	37º 26.31′	112º 58.60′	3.5*	2.2W	19	78	16	0.12
220109	08:45:24.81	37º 25.86′	112º 58.73′	2.2*	1.2W	7	208	15	0.06
220109	08:53:05.40	39º 25.37′	110º 18.32′	-2.2	1.9	7	197	2	0.12
220109	09:28:37.58	38º 13.94′	112º 41.73′	5.0*	2.0W	20	59	25	0.15
220109	11:00:41.23	37º 26.14′	112º 58.42′	1.8*	1.8W	18	78	16	0.14
220109	13:11:42.24	37º 25.81′	112º 58.59′	2.8*	1.1W	8	164	16	0.03
220109	13:38:44.01	37º 26.18′	112º 58.43′	1.4*	1.7W	19	144	16	0.11
220109	13:40:45.62	37º 26.00′	112º 58.71′	2.5*	1.0W	6	191	16	0.02
220110	01:16:52.29	37º 25.95′	112º 58.44′	2.4*	1.7W	10	156	16	0.05
220110	06:51:35.46	42º 12.21′	112º 12.67′	2.5*	1.1	7	208	21	0.03
220110	07:57:20.21	38º 44.11′	111º 27.52′	1.4	1.5	6	234	6	0.02
220110	09:16:15.57	37º 24.22′	113º 53.55′	3.3	0.9	11	133	7	0.21
220110	17:28:38.30	39º 25.67′	110º 19.42′	-1.1	1.0	6	183	0	0.02
220110	17:53:04.15	39º 25.59′	110º 19.50′	-1.2	1.8	6	168	0	0.02
220110	19:01:22.30	39º 25.39′	110º 18.76′	-1.3	1.7	10	194	1	0.09
220110	19:26:09.40	39º 25.44′	110º 18.73′	-1.3	1.9	11	194	1	0.05
220110	20:54:20.72	39º 25.49′	110º 17.89′	-2.9	2.4W	17	185	2	0.18
220110	23:15:40.51	41º 49.58′	112º 43.46′	4.6	1.2	8	205	7	0.08
220111	00:09:37.22	39º 25.14′	110º 17.88′	-2.7	1.5	8	200	2	0.11
220111	02:13:01.43	39º 25.26′	110º 18.43′	-1.8	1.9	8	197	2	0.13
220111	03:17:53.86	39º 25.44′	110º 18.46′	-2.0	1.7	8	196	2	0.13
220111	06:19:11.69	39º 25.29′	110º 18.69′	-1.7	1.7	7	196	1	0.13
220111	07:12:55.12	39º 38.14′	110º 58.73′	11.4	2.7W	41	28	19	0.21
220111	15:35:19.52	39º 25.29′	110º 18.49′	-1.8	1.8	8	196	1	0.12
220111	16:27:45.36	39º 25.28′	110º 18.59′	-1.7	1.6	7	196	1	0.12
220111	16:33:24.68	39º 25.38′	110º 17.58′	-3.1	1.2	6	223	3	0.09
220111	17:52:25.86	39º 25.48′	110º 19.15′	-1.2	1.1	6	192	1	0.01
220111	17:53:59.30	39º 24.95′	110º 19.14′	-0.9	0.8	5	194	1	0.01
220111	18:25:40.15	39º 25.47′	110º 18.49′	-2.2	1.3	8	196	1	0.09
220111	18:30:13.08	39º 25.50′	110º 19.17′	-1.2	1.6	6	192	0	0.02
220111	19:35:35.53	39º 25.14′	110º 17.65′	-3.4	2.0	9	201	3	0.11
220111	20:38:03.96	39º 25.47′	110º 18.67′	-1.4	1.4	7	195	1	0.08
220111	21:15:09.02	39º 25.16′	110º 18.10′	-2.5	1.7W	11	185	2	0.13
220111	21:18:57.43	39º 25.54′	110º 18.78′	-1.5	1.6	7	194	1	0.06
220111	21:23:13.67	39º 25.34′	110º 17.32′	-3.4	1.8	10	202	3	0.18
220112	04:03:44.49	39º 25.13′	110º 17.83′	-3.1	1.9	9	200	2	0.14
220112	04:46:57.04	39º 25.50′	110º 19.32′	-1.1	1.1	5	191	0	0.00
220112	06:12:10.61	39º 25.47′	110º 18.41′	-2.1	1.6W	16	181	2	0.14
220112	06:21:44.23	39º 25.21′	110º 18.17′	-2.3	1.7	8	198	2	0.13
220112	06:46:18.83	39º 25.21′	110º 17.18′	-3.4	1.8	8	203	3	0.13
220112	16:47:03.69	39º 25.06′	110º 17.80′	-3.3	1.7	6	200	3	0.10
220112	20:59:18.95	39º 25.70′	110º 19.79′	-1.4	1.7	11	121	1	0.05
220112	22:16:02.48	39º 25.22′	110º 17.59′	-3.5	2.0W	15	186	3	0.11

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220113	01:15:50.52	39º 44.51′	110º 51.63′	-3.5	1.6W	18	67	9	0.17
220113	01:47:09.22	39º 25.37′	110º 18.65′	-1.6	1.6	12	196	1	0.09
220113	03:02:02.68	39º 25.28′	110º 18.36′	-2.1	1.6	8	197	2	0.13
220113	03:09:25.65	39º 25.31′	110º 18.40′	-1.7	1.5	7	197	2	0.09
220113	05:50:37.14	39º 25.30′	110º 18.23′	-2.2	1.6W	13	197	2	0.16
220113	06:14:16.06	39º 25.31′	110º 18.51′	-1.7	1.5	8	196	1	0.12
220113	16:15:57.41	39º 25.37′	110º 18.60′	-1.7	1.5	7	196	1	0.08
220113	16:41:03.09	39º 25.13′	110º 17.88′	-2.8	1.6	7	200	2	0.11
220113	17:16:11.89	39º 25.58′	110º 19.36′	-1.1	1.1	6	191	0	0.02
220113	17:30:42.26	39º 25.23′	110º 18.29′	-1.9	1.6W	11	169	2	0.13
220113	17:56:55.42	39º 25.04′	110º 17.74′	-3.5	1.7	6	201	3	0.10
220113	18:05:19.78	39º 25.01′	110º 17.72′	-3.3	1.4W	8	201	3	0.13
220113	20:43:38.14	39º 25.35′	110º 18.44′	-1.8	1.6	9	196	2	0.08
220113	20:49:11.30	39º 25.09′	110º 18.46′	-2.1	1.8	12	197	2	0.11
220113	20:53:42.27	39º 25.63′	110º 18.99′	-1.4	1.9	11	193	1	0.04
220113	21:37:37.83	39º 25.49′	110º 18.79′	-1.5	1.9	14	194	1	0.12
220113	22:34:23.10	41º 16.10′	112º 16.28′	6.7*	1.1	12	99	15	0.09
220114	00:23:24.94	39º 25.25′	110º 18.58′	-1.7	1.9	7	196	1	0.12
220114	02:38:07.30	39º 25.24′	110º 18.19′	-2.3	2.0W	12	198	2	0.17
220114	02:59:15.95	39º 25.31′	110º 18.74′	-1.5	--	5	194	1	0.02
220114	02:59:18.33	39º 25.18′	110º 17.12′	-3.4	1.8W	10	204	3	0.23
220114	03:07:40.27	39º 25.37′	110º 18.75′	-1.4	1.8	7	194	1	0.07
220114	05:31:49.98	39º 25.34′	110º 17.21′	-3.3	1.7W	10	203	3	0.25
220114	09:04:53.65	37º 25.89′	112º 58.41′	2.0*	1.9W	14	152	16	0.26
220115	07:26:11.46	36º 48.74′	112º 55.96′	15.5	1.6	7	183	25	0.06
220115	11:51:02.78	37º 26.38′	112º 57.87′	2.0*	1.2W	7	160	17	0.04
220115	22:14:48.09	37º 01.43′	112º 55.10′	19.7	1.9W	17	129	9	0.10
220116	00:31:45.66	40º 44.97′	112º 04.70′	8.7	1.2	40	50	4	0.17
220116	10:17:06.67	40º 43.83′	112º 02.67′	5.8	0.7	18	77	1	0.12
220117	03:29:05.00	38º 06.80′	112º 39.79′	5.9*	1.2	9	251	29	0.08
220117	10:55:38.37	41º 58.38′	112º 27.20′	0.5*	0.9	12	113	12	0.12
220117	13:44:35.24	38º 29.06′	112º 50.56′	2.4	0.5	11	106	3	0.05
220117	18:13:35.40	39º 25.30′	110º 18.55′	-1.8	1.7W	8	196	1	0.13
220117	19:20:09.93	39º 25.29′	110º 18.02′	-2.5	1.8W	10	199	2	0.10
220117	22:01:07.78	41º 52.45′	111º 38.79′	6.1*	1.8	6	134	29	0.14
220117	23:38:23.31	38º 48.95′	111º 21.47′	6.5	1.2	5	171	7	0.06
220118	00:45:02.55	40º 41.75′	112º 06.00′	11.7	0.8	17	73	2	0.10
220118	01:45:24.37	37º 11.45′	112º 52.42′	21.2	1.5W	13	172	20	0.09
220118	02:48:51.70	39º 25.20′	110º 17.24′	-3.4	1.9W	13	203	3	0.19
220118	06:49:20.12	39º 25.45′	110º 18.50′	-2.0	1.7W	10	181	1	0.14
220118	14:04:41.86	36º 48.25′	112º 56.52′	12.0*	1.8W	15	160	26	0.23
220118	14:47:21.01	37º 25.48′	112º 58.76′	1.7*	1.4W	11	151	15	0.14
220118	16:14:39.36	37º 26.24′	112º 58.67′	4.3*	2.2W	17	143	16	0.12
220118	16:39:36.95	37º 25.62′	112º 58.98′	8.0	1.2W	8	162	15	0.07

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220118	17:41:54.67	39° 25.47′	110° 18.88′	-1.3	1.7	7	194	1	0.07
220118	20:42:23.04	41° 14.21′	111° 38.03′	4.2*	1.1	19	117	23	0.12
220118	21:41:53.12	39° 25.48′	110° 19.13′	-1.2	1.1	5	192	1	0.01
220119	00:57:46.80	39° 25.70′	110° 19.20′	-1.4	2.1W	21	108	1	0.11
220119	01:10:10.37	39° 25.24′	110° 18.52′	-2.0	1.9	7	196	1	0.11
220119	04:03:10.16	39° 25.01′	110° 17.42′	-3.4	1.7	7	202	3	0.12
220119	04:25:07.15	40° 43.93′	112° 02.98′	4.7	0.6	24	44	1	0.14
220119	05:34:05.86	39° 25.07′	110° 18.10′	-2.3	1.7	7	199	2	0.12
220119	06:03:35.59	39° 25.43′	110° 18.22′	-2.4	2.0W	11	197	2	0.15
220119	10:21:03.43	38° 29.11′	112° 50.49′	1.8	0.0	12	105	3	0.06
220119	15:57:34.43	41° 53.74′	112° 34.48′	1.9*	0.8	7	136	21	0.04
220119	16:18:57.94	39° 25.06′	110° 17.59′	-3.4	1.7	7	185	3	0.12
220119	18:59:36.18	39° 25.41′	110° 18.26′	-2.3	1.8W	14	182	2	0.16
220119	20:31:04.41	39° 25.14′	110° 18.36′	-2.1	1.4	7	197	2	0.12
220119	20:53:26.23	39° 17.71′	111° 54.03′	14.0	1.4	7	104	24	0.11
220119	22:42:14.34	39° 25.29′	110° 18.34′	-2.0	2.1	8	197	2	0.14
220119	22:55:06.73	39° 25.26′	110° 18.10′	-2.9	2.1	7	199	2	0.14
220120	01:04:01.33	39° 24.98′	110° 17.09′	-3.3	1.5W	9	204	4	0.18
220120	01:13:24.19	39° 25.15′	110° 18.24′	-2.2	1.9	6	198	2	0.10
220120	02:09:33.27	39° 25.05′	110° 17.63′	-3.4	1.9	6	201	3	0.11
220120	03:57:18.97	39° 25.23′	110° 18.23′	-2.3	2.0	7	197	2	0.12
220120	04:01:57.24	39° 25.08′	110° 18.21′	-2.3	1.9	6	198	2	0.12
220120	05:24:03.18	39° 25.21′	110° 18.21′	-2.2	2.1	7	198	2	0.12
220120	06:25:59.19	39° 25.06′	110° 17.85′	-3.2	1.7W	8	200	2	0.15
220120	06:30:04.85	39° 25.11′	110° 18.02′	-3.3	2.0	8	199	2	0.12
220120	14:59:26.90	38° 21.46′	111° 09.59′	5.9*	1.6	8	219	59	0.13
220120	15:49:10.63	39° 25.05′	110° 17.65′	-3.4	2.0	6	201	3	0.11
220120	19:37:13.67	39° 25.42′	110° 19.02′	-1.3	1.5	11	193	1	0.08
220120	19:42:14.95	39° 25.48′	110° 18.98′	-1.5	2.0W	22	114	1	0.15
220120	20:44:38.42	39° 25.45′	110° 18.78′	-1.5	2.0	10	194	1	0.07
220120	22:02:02.41	39° 25.51′	110° 19.04′	-1.3	1.4	6	193	1	0.03
220121	01:01:04.98	39° 25.23′	110° 18.57′	-1.6	1.7	7	196	1	0.13
220121	01:21:44.97	41° 42.50′	112° 24.51′	2.7*	0.3	6	100	19	0.10
220121	01:22:08.65	37° 52.84′	112° 54.76′	6.9*	1.5W	11	191	26	0.09
220121	02:08:01.50	39° 25.12′	110° 18.04′	-2.4	1.7	7	199	2	0.12
220121	03:25:06.84	39° 25.04′	110° 18.31′	-3.0	1.9	9	198	2	0.16
220121	04:47:06.02	39° 25.23′	110° 18.58′	-1.6	1.6	7	196	1	0.12
220121	11:07:02.22	39° 11.60′	111° 54.79′	5.7*	1.4	5	171	19	0.06
220121	12:01:56.65	39° 00.50′	111° 26.76′	1.9*	1.8	6	122	25	0.07
220121	18:25:45.30	39° 24.97′	110° 18.10′	-2.2	1.7W	19	199	2	0.15
220121	19:27:22.88	39° 16.22′	111° 56.03′	1.3*	1.5	10	106	20	0.17
220121	19:33:33.69	39° 25.60′	110° 19.17′	-1.3	1.5	10	192	1	0.04
220121	20:57:48.57	39° 25.87′	110° 20.36′	-1.6	1.3	6	151	1	0.10
220121	22:49:20.89	39° 25.00′	110° 18.68′	-1.5	1.8	8	196	1	0.05

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220121	23:18:01.17	39º 25.05′	110º 17.88′	-3.1	1.4	10	200	2	0.11
220121	23:38:02.71	39º 25.22′	110º 18.23′	-1.9	1.2W	5	198	2	0.01
220121	23:50:56.54	39º 25.41′	110º 18.36′	-2.3	1.6W	10	197	2	0.14
220122	01:11:13.44	39º 25.25′	110º 18.52′	-1.8	1.4	8	196	1	0.13
220122	02:30:35.10	39º 25.26′	110º 18.31′	-2.3	1.8	7	197	2	0.13
220122	02:53:37.85	39º 25.00′	110º 17.17′	-3.4	1.8W	10	204	3	0.17
220122	06:38:51.84	39º 44.63′	110º 55.05′	3.2*	1.4	7	163	12	0.15
220122	21:54:14.77	38º 28.41′	112º 47.88′	5.4	-0.2	7	228	2	0.04
220123	03:14:00.87	38º 58.24′	111º 22.87′	-1.3*	1.9	9	88	19	0.12
220123	08:40:58.59	41º 35.39′	112º 25.51′	2.9*	0.6	6	123	15	0.12
220123	12:36:03.53	38º 09.09′	113º 03.46′	2.4	0.9	13	114	7	0.06
220123	20:32:36.79	42º 25.82′	111º 12.58′	9.1*	2.1W	18	99	52	0.22
220124	15:38:19.23	39º 24.89′	110º 17.08′	-3.3	1.7	7	204	4	0.18
220124	16:02:11.98	39º 25.08′	110º 18.31′	-2.1	1.8	6	198	2	0.12
220124	19:04:33.45	39º 25.40′	110º 18.29′	-2.1	1.9	12	197	2	0.13
220124	20:24:23.76	39º 25.76′	110º 19.37′	-1.7	1.8W	19	113	1	0.15
220124	20:33:43.42	39º 25.59′	110º 19.31′	-1.3	1.7	12	191	0	0.05
220124	20:58:18.29	38º 29.49′	112º 50.30′	-0.1	0.3	14	101	1	0.06
220124	21:11:21.77	39º 25.39′	110º 17.72′	8.7	1.9	7	200	3	0.17
220124	22:35:13.81	39º 25.43′	110º 18.66′	-1.8	2.1W	17	195	1	0.15
220125	02:13:50.80	39º 25.21′	110º 17.19′	-3.2	1.8W	10	203	3	0.19
220125	02:21:13.55	39º 25.05′	110º 17.65′	-3.5	1.6	6	201	3	0.11
220125	02:45:17.75	39º 14.71′	112º 05.50′	14.1	1.2	12	76	9	0.22
220125	05:18:35.05	39º 25.48′	110º 18.42′	-1.7	1.7	12	196	2	0.13
220125	07:26:35.35	39º 25.47′	110º 18.90′	-1.4	1.7	13	182	1	0.09
220125	09:39:52.74	38º 37.76′	112º 33.51′	3.0	0.9	10	196	10	0.07
220125	16:05:18.80	39º 25.29′	110º 18.92′	-1.4	1.7	10	194	1	0.09
220125	16:27:34.18	39º 25.09′	110º 18.35′	-2.1	1.9W	14	197	2	0.14
220126	00:48:03.51	39º 25.40′	110º 18.40′	-1.9	1.7W	21	183	2	0.16
220126	01:51:34.05	39º 24.95′	110º 17.02′	-3.4	1.8W	12	187	4	0.17
220126	03:30:18.81	39º 25.04′	110º 17.56′	-3.5	1.3	6	202	3	0.11
220126	04:05:55.14	39º 24.99′	110º 17.29′	-3.4	1.7	7	203	3	0.13
220126	06:00:35.76	39º 25.02′	110º 17.55′	-3.4	1.7	7	202	3	0.13
220126	07:45:19.43	39º 24.99′	110º 17.13′	-3.4	1.7W	10	204	4	0.18
220126	08:26:20.02	39º 25.03′	110º 17.66′	-3.5	1.3W	6	201	3	0.10
220126	16:49:23.73	39º 25.23′	110º 18.36′	-1.8	1.6	6	197	2	0.08
220126	18:58:47.26	39º 25.22′	110º 17.57′	-3.1	1.9W	15	202	3	0.19
220126	21:27:50.71	39º 25.39′	110º 18.81′	-1.3	1.5	10	194	1	0.05
220126	22:58:44.07	39º 25.56′	110º 19.33′	-1.2	1.3	6	191	0	0.05
220126	23:07:11.35	39º 23.76′	110º 24.11′	-3.1	1.1	5	135	7	0.27
220127	00:21:10.25	39º 25.19′	110º 17.65′	-3.4	2.0W	13	186	3	0.14
220127	01:15:40.16	38º 28.79′	112º 50.64′	-0.1	0.8W	11	110	1	0.05
220127	02:32:03.01	39º 25.18′	110º 17.81′	-3.1	1.8	10	200	2	0.14
220127	03:50:56.44	39º 25.34′	110º 18.33′	-2.1	1.5	8	197	2	0.14
220127	04:30:45.35	39º 25.77′	110º 17.98′	-2.6	2.1W	17	115	2	0.25

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220127	05:10:19.26	39º 25.15′	110º 18.40′	-2.0	1.7	6	197	2	0.11
220127	17:09:40.07	39º 25.63′	110º 19.86′	-1.3	1.7	5	132	1	0.02
220127	18:57:34.92	39º 25.12′	110º 18.17′	-2.5	1.7	8	199	2	0.12
220127	19:02:15.23	39º 25.49′	110º 18.89′	-1.4	1.6	9	194	1	0.05
220127	21:04:21.35	39º 25.34′	110º 18.36′	-1.9	1.7	8	197	2	0.07
220127	21:31:23.17	39º 25.13′	110º 17.88′	-2.9	1.8	7	200	2	0.09
220127	21:43:18.25	39º 25.42′	110º 18.46′	-1.9	1.2	5	196	2	0.03
220128	00:00:23.61	39º 25.24′	110º 17.93′	-2.7	1.8	8	199	2	0.12
220128	00:18:02.84	39º 25.07′	110º 17.37′	-3.4	1.6	7	202	3	0.14
220128	00:24:59.38	39º 24.96′	110º 17.25′	-3.4	1.7	5	204	3	0.13
220128	01:43:12.47	39º 25.05′	110º 18.28′	-2.2	1.2W	6	198	2	0.11
220128	01:46:02.77	39º 25.08′	110º 18.40′	-2.0	1.5	6	197	2	0.12
220128	02:59:33.19	39º 24.99′	110º 17.61′	-3.4	1.7	7	202	3	0.13
220128	03:11:19.37	39º 25.19′	110º 18.42′	-2.0	1.5	7	197	2	0.13
220128	03:55:02.90	39º 25.10′	110º 18.21′	-2.5	1.8W	12	198	2	0.15
220128	06:11:49.29	39º 25.17′	110º 17.67′	-3.3	1.8	7	201	3	0.11
220128	18:58:02.53	39º 25.05′	110º 17.79′	-3.5	1.5W	10	184	3	0.12
220128	23:15:18.44	42º 24.94′	111º 35.66′	6.0*	1.4	8	164	37	0.21
220129	02:42:57.69	41º 23.64′	112º 43.27′	7.8*	1.0W	17	148	25	0.17
220129	06:00:32.46	38º 19.25′	112º 36.10′	1.8	1.2W	11	156	6	0.06
220129	06:11:55.29	38º 19.36′	112º 36.08′	5.0	2.4W	28	54	6	0.18
220130	02:10:27.61	40º 50.14′	111º 59.45′	3.2	1.1	9	125	10	0.11
220130	04:53:44.46	40º 24.99′	111º 29.45′	0.4*	0.6	19	105	19	0.13
220130	08:15:46.86	41º 05.74′	111º 37.49′	7.8*	1.2	29	69	18	0.17
220130	11:58:24.66	40º 43.74′	112º 01.69′	6.3	0.5	17	72	1	0.13
220130	17:28:18.20	37º 33.22′	113º 03.31′	9.9	1.0W	13	132	5	0.09
220130	21:17:03.55	37º 50.22′	112º 56.76′	3.6*	1.2	6	205	30	0.28
220131	02:01:43.39	39º 25.19′	110º 17.96′	-3.1	1.8	8	199	2	0.13
220131	02:30:49.72	39º 25.25′	110º 18.01′	-2.9	1.5	7	199	2	0.13
220131	03:53:37.17	39º 25.08′	110º 17.02′	-3.4	1.5	7	187	4	0.19
220131	04:10:35.34	40º 42.14′	112º 05.12′	10.9	1.9W	43	38	2	0.17
220131	04:12:02.89	39º 25.31′	110º 18.03′	-2.4	1.8W	13	169	2	0.13
220131	04:25:03.69	39º 25.30′	110º 17.95′	-3.2	2.0	8	199	2	0.13
220131	04:56:58.69	38º 28.89′	112º 50.55′	1.1	0.5	9	110	3	0.04
220131	04:58:27.06	38º 28.98′	112º 50.42′	0.8	0.6	19	109	1	0.09
220131	05:08:34.64	38º 28.89′	112º 50.52′	0.2	0.1	10	110	3	0.04
220131	06:26:54.44	37º 25.62′	112º 58.94′	2.1*	1.1W	12	208	15	0.12
220131	06:40:35.91	41º 53.96′	112º 34.03′	0.7*	0.4	10	135	20	0.07
220131	07:05:22.00	39º 25.32′	110º 18.35′	-2.2	1.6	14	197	2	0.16
220131	09:16:53.60	38º 21.52′	111º 07.97′	3.6*	1.8	13	138	53	0.25
220131	16:33:21.30	39º 26.21′	110º 19.83′	-3.4	1.7	8	143	1	0.12
220131	17:31:16.70	39º 25.24′	110º 18.14′	-2.4	2.3	20	199	2	0.14
220131	23:00:25.15	37º 25.44′	112º 59.54′	5.6*	0.7W	10	184	14	0.09
220201	07:15:41.17	39º 24.84′	110º 17.07′	-3.3	1.8	7	204	4	0.20

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220201	08:27:38.80	38º 49.65′	111º 22.20′	-1.8	1.6	7	90	7	0.07
220201	11:52:49.15	39º 24.99′	110º 17.32′	-3.4	1.6	7	203	3	0.16
220201	11:58:31.26	40º 43.15′	112º 03.79′	7.7	0.5	9	99	4	0.08
220201	12:31:48.95	39º 25.15′	110º 18.30′	-2.2	1.5	7	197	2	0.12
220201	12:49:37.28	37º 24.72′	113º 00.54′	6.2	2.2W	22	76	12	0.17
220201	12:51:49.42	39º 37.73′	111º 14.48′	-2.2	1.5	7	204	3	0.12
220201	16:34:43.90	38º 35.34′	112º 35.88′	5.7*	0.8W	8	172	13	0.05
220201	19:24:22.07	37º 25.64′	112º 59.72′	3.5*	1.5W	13	73	14	0.10
220201	19:59:33.62	37º 25.67′	112º 59.03′	2.3*	1.2W	11	188	15	0.05
220201	20:51:04.82	39º 25.27′	110º 18.39′	-1.9	1.6W	12	197	2	0.14
220201	20:58:02.39	39º 25.12′	110º 18.22′	-2.4	1.7	9	198	2	0.11
220201	22:27:15.99	39º 25.46′	110º 18.96′	-1.2	0.9	5	194	1	0.04
220202	03:22:02.83	39º 24.89′	110º 17.25′	-3.4	1.8	8	204	3	0.17
220202	04:42:14.52	39º 24.87′	110º 17.37′	-3.4	1.6	6	203	3	0.15
220202	05:39:10.25	39º 24.81′	110º 16.69′	-3.5	1.9W	12	207	4	0.23
220202	06:08:56.53	39º 25.33′	110º 17.97′	-3.4	1.7W	10	183	2	0.13
220202	06:28:38.90	39º 25.23′	110º 18.11′	-2.8	1.7	7	199	2	0.14
220202	12:04:33.94	38º 21.70′	111º 07.08′	5.9*	1.7	5	190	57	0.14
220202	12:44:43.08	41º 36.46′	111º 41.50′	10.8	1.6W	29	51	11	0.18
220202	18:24:02.43	39º 25.44′	110º 19.13′	-1.3	1.5	9	193	1	0.04
220202	18:32:21.66	39º 25.27′	110º 18.50′	-1.9	1.8	12	196	1	0.14
220202	19:58:49.45	41º 48.58′	112º 12.93′	7.5	0.8	16	66	10	0.12
220202	20:59:25.91	39º 26.13′	110º 19.38′	-2.7	1.6	6	172	1	0.03
220202	22:03:54.84	39º 25.28′	110º 18.71′	-1.5	1.6W	13	196	1	0.06
220202	22:34:14.88	39º 25.55′	110º 19.19′	-1.1	1.6	7	192	0	0.04
220202	23:18:20.00	37º 32.85′	112º 32.99′	19.8*	1.8W	14	191	48	0.23
220203	00:38:08.83	39º 25.06′	110º 18.24′	-2.1	1.5	8	198	2	0.12
220203	03:05:53.55	39º 24.94′	110º 17.53′	-3.3	1.7	6	202	3	0.12
220203	03:39:48.31	39º 25.17′	110º 15.57′	14.8	2.1	7	212	6	0.16
220203	03:48:57.24	39º 25.06′	110º 17.96′	-2.8	1.8	7	199	2	0.14
220203	06:06:26.75	39º 25.08′	110º 18.31′	-2.3	1.5W	7	198	2	0.11
220203	06:27:21.81	37º 10.42′	112º 54.57′	19.1	1.4	9	159	19	0.20
220203	06:39:12.75	39º 25.41′	110º 18.68′	-1.7	1.8	8	195	1	0.09
220203	06:56:09.18	39º 25.10′	110º 18.19′	-2.2	1.8	6	199	2	0.11
220203	07:25:30.03	39º 25.12′	110º 18.33′	-2.0	1.6	6	197	2	0.11
220203	11:23:57.34	39º 25.43′	110º 18.11′	-2.5	1.6	6	197	2	0.08
220203	12:05:41.13	37º 34.20′	112º 31.32′	2.4*	1.9W	12	167	50	0.21
220203	15:40:12.43	37º 34.39′	112º 32.12′	2.8*	1.8W	15	95	49	0.24
220203	17:25:28.76	39º 25.24′	110º 17.82′	-3.2	2.0W	14	184	2	0.14
220203	22:53:41.82	39º 25.40′	110º 19.10′	-1.3	1.5	10	193	1	0.05
220204	00:23:13.59	39º 25.13′	110º 17.87′	-3.2	1.9	8	200	2	0.13
220204	01:24:15.50	38º 33.29′	112º 33.98′	6.8	1.2W	9	181	12	0.05
220204	04:36:59.58	39º 25.04′	110º 17.73′	-3.4	1.8	6	201	3	0.10
220204	10:34:58.33	41º 38.78′	112º 21.72′	8.7	0.6	20	98	8	0.17

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220204	23:06:32.72	41° 16.90′	112° 15.33′	9.4	1.1	16	97	13	0.24
220205	02:41:11.97	41° 48.83′	112° 38.43′	2.8*	0.7	9	123	12	0.08
220205	04:28:44.00	39° 25.43′	110° 18.16′	-2.7	1.7W	10	197	2	0.15
220205	05:18:47.82	36° 49.35′	112° 59.49′	17.8	1.6W	10	170	26	0.09
220205	13:32:44.45	41° 47.31′	112° 18.45′	1.1*	0.6	7	138	16	0.07
220205	15:16:44.59	38° 48.89′	112° 06.63′	5.5	1.7W	11	146	5	0.23
220205	16:35:09.79	38° 09.63′	110° 34.74′	5.9*	1.8	8	121	29	0.11
220205	23:18:50.78	38° 22.22′	111° 07.26′	6.0*	1.9	10	84	53	0.19
220206	00:51:48.80	41° 58.48′	112° 23.61′	2.3	0.3	6	103	8	0.04
220206	00:59:37.73	40° 44.62′	112° 03.05′	4.7	0.6	7	108	2	0.02
220206	06:42:51.75	37° 03.40′	112° 51.77′	7.6	1.1W	6	158	6	0.02
220206	07:30:05.38	38° 01.02′	112° 30.99′	3.3*	3.0W	29	57	43	0.15
220206	08:04:39.46	38° 01.27′	112° 31.10′	8.8*	1.8W	13	206	43	0.15
220206	08:51:03.80	38° 00.91′	112° 30.86′	4.8*	2.6W	28	81	44	0.19
220206	09:43:34.54	37° 23.49′	113° 50.95′	9.7	1.0	7	123	8	0.11
220206	19:59:48.92	40° 43.43′	112° 04.08′	7.9	0.5	16	95	3	0.08
220207	03:37:22.41	42° 08.10′	112° 48.63′	4.1*	1.2	11	271	24	0.09
220207	06:23:29.64	41° 54.00′	112° 32.37′	0.1*	1.0	13	127	18	0.11
220207	06:23:44.42	42° 06.99′	112° 47.34′	0.8*	1.5	13	263	23	0.20
220207	16:41:08.50	38° 55.35′	112° 09.50′	-0.5	1.6W	7	130	8	0.02
220207	19:20:48.39	41° 05.64′	111° 38.46′	13.3	1.0	20	67	18	0.14
220207	20:32:08.93	40° 42.81′	112° 03.19′	8.4	0.6	11	95	2	0.12
220207	21:29:21.50	37° 47.46′	113° 22.04′	8.7	0.6	7	134	6	0.06
220208	02:15:44.88	39° 25.15′	110° 18.38′	-1.9	1.8	8	197	2	0.13
220208	02:39:18.85	39° 25.27′	110° 18.56′	-1.8	1.9	8	196	1	0.13
220208	03:16:56.37	38° 29.70′	112° 50.21′	0.1	0.2	16	107	3	0.06
220208	06:02:25.31	39° 25.24′	110° 18.49′	-1.9	1.8	9	196	2	0.13
220208	07:42:15.78	39° 24.89′	110° 17.37′	-3.4	1.8	6	203	3	0.13
220208	16:03:33.19	39° 25.26′	110° 18.85′	-1.4	1.9	14	194	1	0.10
220208	17:32:56.14	39° 25.07′	110° 18.11′	-2.5	1.9	14	199	2	0.15
220208	18:50:20.01	39° 25.32′	110° 18.79′	-1.5	1.7	10	194	1	0.06
220208	19:54:46.56	39° 25.27′	110° 18.86′	-1.7	2.2	15	167	1	0.16
220208	20:12:45.00	39° 25.31′	110° 18.25′	-2.5	1.7	6	197	2	0.12
220208	22:17:09.27	39° 25.18′	110° 17.97′	-3.2	2.4W	15	199	2	0.16
220208	22:38:42.10	39° 25.00′	110° 18.30′	-2.0	1.7	7	198	2	0.12
220208	23:54:54.42	40° 55.07′	108° 49.76′	-0.9*	2.1W	9	205	73	0.22
220209	00:02:26.00	39° 25.09′	110° 18.24′	-2.1	1.6	7	198	2	0.12
220209	00:21:10.57	39° 25.23′	110° 17.95′	-3.1	2.0	8	199	2	0.14
220209	01:00:01.25	39° 25.07′	110° 18.34′	-2.1	1.8	7	197	2	0.12
220209	01:12:47.58	39° 25.41′	110° 18.77′	-1.4	1.6	6	194	1	0.02
220209	02:54:40.69	39° 25.21′	110° 18.39′	-2.1	1.6	7	197	2	0.12
220209	03:05:53.31	39° 24.81′	110° 17.19′	-3.4	1.9	7	204	4	0.18
220209	03:51:29.67	39° 25.00′	110° 17.27′	-3.4	1.8W	9	204	3	0.17
220209	16:12:54.62	39° 25.16′	110° 17.48′	-3.3	1.8W	12	185	3	0.17

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220209	18:56:29.16	39º 25.46′	110º 19.40′	-1.2	1.9	9	191	0	0.04
220209	21:04:47.15	39º 25.18′	110º 18.30′	-2.3	2.0	11	197	2	0.13
220209	22:26:02.52	39º 25.74′	110º 19.67′	-1.4	1.5	8	139	1	0.03
220210	00:23:14.68	39º 24.41′	110º 16.94′	-3.3	1.5	5	206	4	0.23
220210	00:48:05.76	39º 24.79′	110º 16.90′	-3.3	1.9	5	205	4	0.24
220210	01:40:42.54	39º 25.27′	110º 18.14′	-2.0	1.7	6	199	2	0.08
220210	01:43:01.95	39º 25.36′	110º 18.98′	-1.3	1.6	6	194	1	0.04
220210	04:26:15.39	39º 25.08′	110º 16.99′	-3.4	1.8W	11	169	4	0.21
220210	05:06:38.14	39º 25.22′	110º 18.16′	-2.2	1.7	7	198	2	0.09
220210	05:43:11.17	39º 25.24′	110º 18.45′	-1.8	1.6	6	196	2	0.08
220210	07:01:01.14	39º 25.26′	110º 18.16′	-2.3	1.8	9	198	2	0.12
220210	08:46:48.96	41º 31.32′	109º 48.94′	-0.7	1.6	12	99	9	0.19
220210	11:45:55.11	39º 24.96′	110º 16.94′	-3.4	1.6W	10	205	4	0.21
220210	13:03:34.48	38º 33.90′	112º 13.33′	-1.0	2.2W	29	62	7	0.18
220210	16:05:03.91	39º 25.46′	110º 18.75′	-1.5	2.1	15	167	1	0.10
220210	16:56:52.84	39º 25.19′	110º 18.67′	-1.7	1.9	12	196	1	0.13
220210	19:33:58.90	39º 25.05′	110º 18.61′	-2.0	1.6	8	196	1	0.12
220210	19:55:20.30	38º 20.87′	113º 05.52′	6.1	1.3	15	126	2	0.07
220210	22:04:50.45	38º 20.88′	113º 05.55′	6.3	1.8W	28	94	2	0.12
220210	22:33:58.87	39º 04.23′	111º 51.82′	16.8	1.5	12	120	23	0.18
220210	22:33:59.95	38º 21.52′	113º 04.73′	4.2	0.5	8	241	2	0.02
220210	22:34:18.97	39º 04.44′	111º 54.45′	16.6	1.4	8	146	20	0.03
220210	23:06:25.35	38º 20.84′	113º 05.40′	5.9	1.1	9	189	2	0.03
220210	23:18:01.15	38º 20.96′	113º 05.20′	5.4	0.9	11	125	2	0.04
220210	23:36:07.04	38º 21.08′	113º 06.80′	9.9	1.8W	16	129	3	0.18
220211	00:58:44.21	39º 24.97′	110º 17.21′	-3.2	1.7W	11	204	3	0.17
220211	01:19:32.84	39º 25.26′	110º 18.29′	-2.1	1.6	7	197	2	0.10
220211	01:27:51.41	38º 20.97′	113º 05.43′	5.6	1.0	10	125	2	0.04
220211	01:37:37.71	38º 20.69′	113º 05.72′	5.3	1.3W	11	126	3	0.09
220211	03:15:53.10	39º 25.02′	110º 17.80′	-3.1	1.8	7	201	3	0.14
220211	04:10:45.78	38º 20.90′	113º 05.38′	5.2	1.3W	12	125	2	0.07
220211	04:23:10.62	38º 20.34′	113º 05.94′	6.1	1.0	13	128	3	0.08
220211	04:39:47.70	38º 20.41′	113º 05.78′	7.2	2.0W	32	85	3	0.19
220211	05:30:06.57	38º 20.29′	113º 05.27′	5.2	0.8	11	127	3	0.07
220211	05:39:07.64	39º 25.13′	110º 18.39′	-2.0	1.9	8	197	2	0.12
220211	05:39:50.53	39º 25.02′	110º 17.95′	-3.2	1.6	6	199	2	0.12
220211	05:58:58.00	38º 20.93′	113º 05.22′	5.4	0.9	11	125	2	0.05
220211	06:02:22.86	39º 25.33′	110º 18.27′	-2.2	1.9	9	182	2	0.14
220211	06:43:09.10	38º 20.84′	113º 05.31′	5.5	1.4W	16	106	2	0.07
220211	06:49:41.95	38º 20.56′	113º 05.83′	6.2	1.7W	23	85	3	0.14
220211	06:57:24.40	39º 25.42′	110º 18.62′	-1.6	1.9	9	196	1	0.08
220211	06:59:50.16	38º 21.20′	113º 06.40′	9.7	1.9W	22	89	2	0.19
220211	07:27:15.19	38º 20.69′	113º 05.69′	6.4	1.7W	18	126	3	0.11
220211	08:10:34.44	39º 25.12′	110º 17.61′	-3.2	2.0	9	186	3	0.15

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220211	10:52:01.98	38º 20.96′	113º 05.31′	5.3	0.8	15	125	2	0.07
220211	11:56:36.40	41º 47.95′	111º 41.86′	14.6	0.8	14	87	6	0.15
220211	12:33:49.54	38º 20.75′	113º 05.95′	5.5	1.6W	25	127	3	0.15
220211	18:25:52.16	39º 25.01′	110º 18.10′	-2.5	1.8	7	199	2	0.07
220211	18:43:57.23	39º 25.31′	110º 18.53′	-1.6	1.9	7	196	1	0.05
220211	19:50:18.41	40º 58.68′	112º 37.39′	7.3	0.9	8	92	14	0.07
220211	21:06:42.90	39º 25.42′	110º 18.08′	-2.9	1.5W	6	199	2	0.09
220212	04:30:30.17	41º 49.67′	112º 23.53′	6.9	0.6	7	125	13	0.04
220212	04:47:32.02	39º 25.45′	110º 18.16′	-2.2	1.7	6	197	2	0.08
220212	05:38:22.66	37º 31.31′	114º 05.75′	12.1	2.0W	14	198	22	0.17
220212	16:15:35.84	38º 20.82′	113º 05.40′	5.1	1.0	11	125	2	0.08
220212	19:53:23.10	38º 29.59′	112º 50.24′	0.2	-0.9	12	117	3	0.06
220212	19:53:44.25	38º 29.57′	112º 50.39′	-0.2	-0.7	16	102	1	0.06
220213	03:27:38.51	39º 25.30′	110º 18.21′	-2.1	1.5W	13	197	2	0.14
220213	09:58:45.47	38º 22.44′	111º 06.90′	8.2*	1.9W	14	114	52	0.06
220213	21:27:25.26	41º 31.61′	109º 48.33′	-3.4	1.7	9	103	10	0.27
220214	04:30:52.74	38º 22.28′	111º 06.96′	6.0*	1.4	8	114	53	0.10
220214	04:55:15.17	39º 25.28′	110º 18.04′	-3.1	1.8	13	199	2	0.14
220215	07:06:26.73	39º 25.29′	110º 18.20′	-2.1	1.8	8	197	2	0.09
220215	15:43:45.28	39º 25.12′	110º 18.28′	-2.3	2.0	8	198	2	0.12
220215	18:33:20.02	39º 25.26′	110º 18.81′	-1.5	1.5	9	194	1	0.08
220215	19:12:23.74	39º 25.29′	110º 18.74′	-1.6	1.8	12	194	1	0.12
220215	22:25:57.83	39º 25.42′	110º 18.87′	-1.5	2.0	11	194	1	0.08
220215	23:41:43.73	41º 54.26′	112º 16.84′	3.1	2.2W	30	56	5	0.17
220216	01:56:47.95	39º 25.10′	110º 18.23′	-2.2	1.7	8	198	2	0.11
220216	02:40:16.41	39º 25.22′	110º 18.17′	-2.5	1.7	8	198	2	0.12
220216	03:55:08.79	39º 25.27′	110º 18.14′	-2.9	2.1	11	199	2	0.15
220216	05:42:09.55	40º 44.48′	112º 02.56′	5.4	0.8	20	51	2	0.15
220216	10:05:22.42	41º 24.17′	111º 45.20′	1.6*	0.9	16	65	21	0.14
220216	11:03:58.28	39º 25.26′	110º 18.02′	-3.3	2.1	5	183	2	0.08
220216	17:26:29.17	39º 25.16′	110º 18.40′	-1.9	1.9	6	197	2	0.13
220216	18:48:37.22	39º 25.44′	110º 18.63′	-1.7	2.0W	17	180	1	0.16
220216	19:26:31.57	39º 25.22′	110º 17.96′	-2.8	1.8W	14	183	2	0.13
220216	20:21:41.10	39º 25.15′	110º 18.22′	-2.5	1.6W	9	198	2	0.11
220216	21:13:52.99	39º 25.36′	110º 18.21′	-2.4	1.6	8	197	2	0.12
220216	23:09:35.36	39º 25.09′	110º 18.24′	-2.5	1.4W	10	198	2	0.12
220217	00:08:53.22	39º 25.33′	110º 19.00′	-1.3	1.7	8	194	1	0.05
220217	01:56:33.37	39º 09.60′	111º 58.83′	12.2	1.6	17	94	13	0.19
220217	01:59:52.34	38º 29.47′	112º 50.32′	-3.5	0.0	14	118	1	0.21
220217	02:38:44.78	39º 25.42′	110º 18.99′	-1.5	1.5	9	193	1	0.08
220217	02:55:42.51	39º 25.26′	110º 18.25′	-2.2	2.1	12	197	2	0.12
220217	04:46:35.98	39º 25.35′	110º 18.67′	-1.6	2.1	12	196	1	0.11
220217	05:40:16.90	39º 25.62′	110º 18.71′	-2.0	1.7	10	194	1	0.09
220217	05:45:01.18	39º 25.14′	110º 18.37′	-2.2	1.7	9	197	2	0.11

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220217	07:54:10.32	39º 25.10′	110º 18.45′	-1.9	2.2	11	197	2	0.15
220217	17:24:05.22	39º 25.35′	110º 18.65′	-1.7	2.2	15	196	1	0.15
220217	23:57:12.18	39º 43.05′	111º 59.57′	4.2*	1.3W	10	75	26	0.15
220218	01:07:30.24	36º 48.64′	111º 52.39′	5.9*	1.8	8	89	38	0.31
220218	04:43:22.58	41º 54.54′	112º 16.92′	2.5	0.9	18	80	4	0.11
220218	06:26:22.03	41º 54.92′	112º 16.93′	2.1	0.4	12	83	4	0.09
220218	06:27:40.86	39º 25.36′	110º 18.74′	-1.8	1.6W	18	115	1	0.17
220218	07:52:44.63	39º 25.36′	110º 18.84′	-1.4	1.8	5	194	1	0.03
220218	10:35:02.23	37º 25.70′	114º 02.31′	12.4	0.6	8	165	16	0.06
220218	16:43:03.82	39º 26.03′	110º 19.53′	-3.2	1.7W	13	100	1	0.23
220218	18:57:23.44	39º 25.28′	110º 18.95′	-1.4	2.2	11	194	1	0.09
220218	20:35:21.61	39º 43.18′	110º 50.41′	-3.4	1.7	11	116	8	0.06
220218	21:04:50.83	39º 25.26′	110º 18.46′	-1.9	1.1	9	196	2	0.09
220219	00:32:33.04	39º 25.42′	110º 18.66′	-1.7	2.0W	19	180	1	0.16
220219	01:00:36.90	39º 25.22′	110º 18.32′	-2.2	2.0	6	197	2	0.09
220219	03:44:55.64	37º 28.19′	114º 14.22′	8.8*	2.3W	17	111	34	0.26
220219	03:49:50.16	39º 24.96′	110º 17.51′	-3.4	2.0	8	202	3	0.13
220219	03:54:52.13	39º 25.06′	110º 18.11′	-2.3	1.7	6	199	2	0.10
220219	06:46:22.54	38º 29.53′	112º 50.26′	-0.3	0.6W	15	102	3	0.06
220219	07:59:52.41	39º 25.28′	110º 18.09′	-2.3	1.8	11	199	2	0.11
220219	18:05:21.81	39º 29.11′	110º 20.75′	-1.1	1.3	7	137	7	0.06
220219	19:51:34.09	38º 33.87′	112º 13.39′	-1.7	2.3W	25	91	7	0.13
220219	20:06:46.06	38º 33.43′	112º 13.13′	-0.1	2.4W	24	57	6	0.15
220219	22:17:28.31	38º 34.41′	112º 13.43′	4.5	3.5W	30	47	8	0.27
220220	00:21:38.24	38º 32.52′	112º 11.48′	4.9	1.2W	8	194	5	0.06
220220	07:45:11.40	38º 33.42′	112º 13.49′	-1.9	1.3W	7	139	6	0.02
220220	08:08:34.94	38º 33.00′	112º 12.80′	0.3	1.2W	10	113	5	0.06
220220	18:00:00.82	38º 33.55′	112º 14.20′	-3.4	1.3W	10	91	7	0.10
220221	13:01:37.22	38º 32.13′	112º 12.94′	3.1	1.5W	11	107	4	0.10
220221	15:26:32.82	39º 25.42′	110º 18.93′	-1.5	1.8	12	194	1	0.09
220221	15:44:24.20	38º 31.40′	112º 11.47′	5.5	1.4W	12	156	3	0.09
220221	16:56:51.45	39º 25.20′	110º 18.59′	-1.8	1.7W	12	196	1	0.15
220221	17:05:40.59	39º 25.27′	110º 20.31′	-2.6	1.7	12	132	1	0.15
220221	21:11:59.67	39º 25.14′	110º 18.55′	-1.9	1.8	7	196	1	0.12
220221	21:27:44.74	42º 16.23′	111º 25.25′	3.8*	2.0W	21	167	34	0.17
220221	22:03:47.47	40º 53.47′	111º 35.58′	15.6	--	6	145	13	0.11
220221	22:03:53.95	40º 53.96′	111º 37.08′	4.7*	0.6	7	104	15	0.13
220221	22:04:02.22	40º 53.50′	111º 36.64′	6.8*	0.8	6	109	15	0.10
220221	22:04:23.29	40º 54.31′	111º 36.53′	11.3	1.2	15	103	15	0.08
220221	22:07:02.08	39º 25.38′	110º 19.03′	-1.4	1.8	6	193	1	0.02
220221	22:16:06.28	39º 25.45′	110º 19.60′	-1.4	1.2	6	114	0	0.02
220221	23:29:51.02	40º 43.85′	112º 04.72′	9.2	1.1	36	46	4	0.17
220222	00:47:42.17	37º 29.67′	113º 47.77′	8.0	1.3W	12	74	6	0.19
220222	01:19:46.11	40º 43.93′	112º 05.14′	8.7	0.8	20	57	4	0.10
220222	01:25:08.95	37º 00.82′	113º 53.34′	7.2*	1.4	7	258	15	0.11

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220222	02:19:07.53	39º 25.21′	110º 17.48′	-3.3	1.7W	14	169	3	0.14
220222	04:43:33.05	39º 25.30′	110º 18.79′	-1.5	1.9	6	194	1	0.03
220222	05:33:24.35	41º 52.27′	111º 29.81′	8.4*	0.9	14	108	23	0.10
220222	06:12:43.70	39º 24.78′	110º 16.73′	-3.5	1.5W	10	207	4	0.25
220222	06:19:58.02	36º 58.39′	113º 56.62′	12.2	1.6W	10	278	20	0.21
220222	06:22:24.72	39º 25.40′	110º 18.81′	-1.5	1.8	8	194	1	0.06
220222	06:49:17.94	41º 52.42′	111º 29.95′	6.0*	1.1	19	115	23	0.12
220222	15:31:59.86	39º 25.29′	110º 18.59′	-1.6	1.7	8	196	1	0.05
220222	16:52:35.64	39º 25.16′	110º 18.44′	-1.9	1.7	7	197	2	0.07
220222	21:12:39.39	40º 44.00′	112º 03.44′	7.4	0.5	13	112	2	0.06
220223	01:47:42.92	39º 24.99′	110º 17.08′	-3.4	2.1W	11	204	4	0.16
220223	02:07:23.15	39º 24.85′	110º 17.59′	-3.4	1.9	6	202	3	0.14
220223	02:18:26.60	39º 25.27′	110º 18.10′	-2.7	2.0	5	199	2	0.06
220223	04:09:48.57	39º 25.54′	110º 18.37′	-2.2	2.2	8	196	2	0.11
220223	11:20:25.51	41º 59.20′	112º 28.19′	4.6*	2.1W	25	120	14	0.12
220223	15:35:30.76	39º 25.31′	110º 18.61′	-1.7	1.9	7	196	1	0.03
220223	16:28:09.62	39º 24.93′	110º 17.73′	-3.4	1.8	6	201	3	0.13
220223	19:08:10.19	39º 25.10′	110º 18.24′	-2.5	2.0	8	198	2	0.12
220223	19:38:49.44	41º 59.78′	112º 27.73′	0.3*	1.0	13	117	14	0.19
220223	22:21:27.59	39º 25.23′	110º 18.05′	-3.1	1.9	7	199	2	0.07
220223	23:07:21.20	38º 32.36′	112º 15.01′	-2.1	1.7W	13	94	5	0.09
220223	23:53:41.67	38º 33.41′	112º 13.39′	-0.7	2.2W	22	62	6	0.17
220223	23:54:34.18	38º 33.03′	112º 13.01′	-0.6	1.5W	14	106	5	0.15
220224	01:36:58.98	39º 24.74′	110º 16.48′	-3.4	1.6	7	208	5	0.25
220224	02:42:32.03	39º 24.90′	110º 17.24′	-3.4	1.8	8	204	3	0.18
220224	05:35:16.92	39º 25.33′	110º 18.13′	-3.0	2.0W	12	183	2	0.15
220224	06:31:23.63	39º 25.07′	110º 17.54′	-3.4	1.9	7	202	3	0.13
220224	16:16:57.93	39º 25.09′	110º 18.28′	-2.4	2.0	8	198	2	0.12
220224	16:29:22.23	39º 25.28′	110º 17.55′	-3.4	2.1	7	202	3	0.22
220224	18:40:04.11	39º 24.68′	110º 18.54′	-3.1	2.0	11	198	2	0.10
220224	19:41:49.41	39º 24.76′	110º 16.21′	-3.4	1.7	6	209	5	0.19
220224	20:08:58.62	41º 11.62′	111º 35.53′	10.8	1.4	25	105	18	0.15
220224	22:24:47.45	39º 25.15′	110º 18.21′	-2.3	1.5	7	198	2	0.11
220224	23:16:04.91	41º 59.45′	112º 28.02′	2.0*	0.8	5	119	14	0.05
220225	00:25:43.76	39º 25.19′	110º 18.40′	-2.1	2.1W	11	197	2	0.14
220225	00:33:18.65	41º 49.80′	112º 39.63′	7.9	1.2	15	138	11	0.12
220225	01:39:59.42	37º 52.16′	112º 58.11′	8.2*	1.5	8	199	26	0.31
220225	02:51:14.14	39º 25.36′	110º 18.73′	-1.5	1.9	8	194	1	0.09
220225	05:18:28.06	39º 25.02′	110º 17.41′	-3.3	2.0	8	202	3	0.17
220225	06:07:26.08	39º 25.51′	110º 18.50′	-1.9	1.8	7	196	1	0.08
220225	06:25:57.41	39º 25.36′	110º 18.45′	-2.0	1.5	8	196	2	0.13
220225	06:45:19.48	39º 25.11′	110º 18.48′	-1.9	1.8	7	197	2	0.11
220225	09:34:34.81	41º 59.25′	112º 28.37′	-2.5*	1.0	8	121	14	0.05
220225	11:29:51.91	38º 11.32′	112º 39.48′	5.7	0.8	13	232	10	0.05

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220225	13:40:28.83	38º 33.08′	112º 13.30′	-0.4	2.0W	25	64	5	0.14
220225	14:52:10.30	36º 59.60′	112º 54.57′	20.3	1.1W	6	137	8	0.01
220225	20:54:21.24	38º 32.41′	112º 13.83′	0.0	1.5W	13	90	4	0.11
220226	01:46:16.51	39º 25.35′	110º 18.34′	-2.1	2.0	8	197	2	0.14
220226	01:58:36.26	40º 43.92′	112º 02.45′	7.5	0.6	8	102	1	0.03
220226	02:11:46.48	40º 44.87′	112º 02.20′	7.6	0.6	10	112	2	0.08
220226	07:46:38.78	39º 25.40′	110º 18.24′	-2.2	1.7	6	197	2	0.08
220226	12:10:40.27	39º 25.32′	110º 17.55′	-3.4	1.8	7	185	3	0.10
220226	15:46:39.84	38º 33.43′	112º 13.24′	-1.2	2.0W	22	61	6	0.17
220227	05:02:39.62	38º 09.86′	112º 52.62′	4.9*	1.0	16	138	12	0.09
220227	16:35:13.92	41º 59.13′	112º 26.61′	0.5*	0.8	8	111	12	0.08
220228	00:56:11.94	39º 24.86′	110º 17.76′	-3.4	1.5	7	201	3	0.13
220228	01:45:03.85	38º 34.42′	112º 12.75′	-3.3	1.5W	11	90	8	0.19
220228	02:27:57.36	39º 24.78′	110º 16.59′	-3.4	1.7	8	207	4	0.20
220228	02:30:09.99	39º 24.99′	110º 17.54′	-3.3	1.9	9	202	3	0.18
220228	02:52:06.17	39º 25.31′	110º 18.05′	-3.0	1.6	8	199	2	0.12
220228	05:33:09.71	39º 24.96′	110º 17.51′	-3.3	1.7	9	202	3	0.14
220228	05:49:41.53	39º 24.94′	110º 17.64′	-3.4	1.6	7	201	3	0.09
220228	06:22:11.97	39º 42.42′	110º 50.32′	-3.4	1.5	9	112	9	0.23
220228	13:55:16.42	38º 32.30′	112º 14.86′	-2.1	1.0	9	125	5	0.07
220228	15:30:19.92	39º 25.02′	110º 18.22′	-2.5	1.7	7	198	2	0.14
220228	15:42:27.46	39º 25.55′	110º 19.79′	-1.3	1.5	5	97	0	0.02
220228	18:17:55.59	39º 25.26′	110º 18.97′	-1.5	1.6	10	194	1	0.09
220228	19:13:23.56	38º 34.93′	112º 12.58′	-2.9	2.7W	20	47	9	0.19
220228	19:27:40.29	39º 25.06′	110º 18.43′	-2.2	1.7	12	197	2	0.12
220228	20:24:13.74	38º 34.44′	112º 13.48′	-3.2	2.0W	22	61	8	0.14
220228	20:25:02.91	38º 34.43′	112º 13.53′	-3.4	1.9W	18	100	8	0.13
220228	22:02:17.76	39º 25.39′	110º 19.12′	-1.5	1.8	9	193	1	0.05
220228	23:52:58.43	39º 25.54′	110º 18.54′	-2.0	1.9W	10	180	1	0.15
220301	00:00:52.07	38º 34.96′	112º 12.81′	-3.5	2.2W	20	47	9	0.23
220301	01:01:08.97	39º 25.21′	110º 18.36′	-1.9	1.5	6	197	2	0.08
220301	01:27:26.73	39º 25.22′	110º 18.40′	-2.1	2.0	8	197	2	0.09
220301	02:04:54.32	38º 33.32′	112º 11.49′	4.0	1.3W	13	188	6	0.09
220301	03:16:27.18	37º 40.53′	113º 12.29′	9.3	1.6W	10	110	14	0.20
220301	03:26:58.19	39º 25.10′	110º 18.25′	-2.3	1.5W	7	198	2	0.11
220301	03:55:06.28	37º 41.85′	113º 10.64′	9.5	1.5W	8	176	14	0.07
220301	05:08:56.91	39º 24.89′	110º 17.11′	-3.4	1.8	7	204	4	0.18
220301	05:13:54.10	37º 41.69′	113º 10.83′	10.2	1.8W	11	124	14	0.10
220301	05:58:11.12	37º 40.46′	113º 13.88′	7.7	2.3W	24	46	15	0.28
220301	06:34:06.02	39º 24.97′	110º 18.17′	-2.6	2.0	8	199	2	0.11
220301	06:48:06.57	39º 25.49′	110º 19.47′	-1.2	1.5	5	191	0	0.03
220301	07:00:29.67	37º 41.78′	113º 10.57′	9.8	1.4W	9	177	14	0.09
220301	12:51:06.14	38º 20.56′	113º 05.21′	6.0	1.2	17	125	3	0.08
220301	13:26:11.29	38º 33.43′	112º 11.95′	3.5	1.6W	16	180	6	0.13

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2022

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220301	15:43:45.95	39º 25.19′	110º 18.60′	-2.0	2.1	8	196	1	0.13
220301	16:59:13.88	39º 25.21′	110º 18.70′	-1.8	1.6	9	196	1	0.13
220301	18:44:57.02	39º 25.38′	110º 19.40′	-1.2	1.5	6	191	0	0.01
220301	21:16:45.78	39º 25.52′	110º 19.18′	-1.2	1.4	8	192	0	0.04
220302	00:21:21.20	39º 25.33′	110º 18.43′	-2.0	1.9	9	181	2	0.10
220302	00:43:18.32	39º 25.01′	110º 18.05′	-2.7	1.6	8	199	2	0.10
220302	00:51:08.26	39º 25.38′	110º 18.95′	-1.3	1.3	6	194	1	0.02
220302	01:59:04.68	39º 24.92′	110º 17.94′	-3.4	1.5	7	200	2	0.11
220302	03:04:11.76	38º 20.41′	112º 24.99′	5.1*	0.8	17	138	21	0.11
220302	04:30:15.30	39º 25.12′	110º 18.18′	-2.7	1.6	7	199	2	0.07
220302	07:10:07.42	39º 24.99′	110º 17.30′	-3.4	1.8	9	203	3	0.15
220302	08:18:16.91	39º 25.42′	110º 18.44′	-1.8	1.6	8	196	2	0.14
220302	09:08:11.67	38º 35.09′	112º 12.75′	-2.2	3.4W	28	47	9	0.22
220302	16:37:09.37	39º 25.07′	110º 18.01′	-3.0	1.7	11	199	2	0.14
220302	16:49:56.77	39º 25.28′	110º 18.92′	-1.4	1.6	11	194	1	0.05
220302	17:01:34.05	39º 25.16′	110º 18.30′	-2.0	1.6	10	197	2	0.11
220302	18:14:08.86	39º 25.34′	110º 18.91′	-1.4	1.9	5	194	1	0.03
220302	18:30:36.43	39º 25.35′	110º 18.79′	-1.5	1.8	6	194	1	0.04
220302	19:27:18.34	39º 25.28′	110º 18.28′	-2.3	1.8	6	197	2	0.06
220302	21:01:14.39	38º 33.28′	112º 14.28′	-0.5	1.5W	13	92	6	0.11
220302	22:41:49.42	39º 25.48′	110º 18.50′	-3.1	1.9	8	196	1	0.15
220302	23:32:25.50	38º 33.15′	112º 12.10′	4.0	1.1W	9	263	6	0.08
220303	01:28:54.74	39º 25.49′	110º 19.39′	-1.2	1.0	5	191	0	0.01
220303	01:45:32.78	39º 25.09′	110º 18.39′	-2.2	1.8W	10	182	2	0.13
220303	01:58:28.67	39º 25.31′	110º 18.81′	-1.6	1.9	13	179	1	0.14
220303	02:19:34.26	39º 25.16′	110º 18.50′	-1.9	1.5	7	196	2	0.12
220303	04:36:31.87	39º 25.19′	110º 18.76′	-1.6	1.7	7	196	1	0.11
220303	07:00:01.12	39º 25.40′	110º 18.86′	-1.5	--	6	194	1	0.03
220303	07:07:13.09	39º 25.52′	110º 18.69′	-1.8	1.5W	10	179	1	0.11
220303	08:36:14.79	39º 24.85′	110º 16.59′	-3.5	1.8	7	207	4	0.18
220303	11:10:24.02	40º 44.04′	112º 02.89′	6.6	0.4	10	100	1	0.07
220303	11:57:38.67	38º 13.96′	112º 14.12′	6.0*	1.9W	11	171	46	0.15
220303	12:54:56.10	37º 50.60′	112º 51.03′	6.0*	1.1	6	228	32	0.12
220303	14:34:38.10	39º 25.13′	110º 18.65′	-1.7	1.6	12	196	1	0.13
220303	16:23:10.80	39º 25.35′	110º 18.36′	-2.0	1.8W	16	182	2	0.14
220303	17:23:16.48	38º 35.46′	112º 32.93′	1.9	0.8	9	170	9	0.04
220303	18:09:49.94	39º 24.95′	110º 18.29′	-2.2	1.8	10	198	2	0.13
220303	18:31:01.52	39º 25.05′	110º 18.41′	-2.2	2.0	6	197	2	0.12
220303	19:52:22.49	39º 24.87′	110º 17.83′	-3.5	1.7	6	201	3	0.10
220303	20:17:59.38	39º 25.39′	110º 18.94′	-1.3	1.6	5	194	1	0.03
220303	20:49:00.10	39º 24.88′	110º 18.22′	-2.5	2.1	6	199	2	0.11
220303	21:19:14.81	39º 25.35′	110º 18.78′	-1.5	1.9	5	182	1	0.05
220303	22:15:15.92	39º 24.74′	110º 16.97′	-3.4	1.8	6	205	4	0.22
220304	14:22:59.64	39º 25.35′	110º 18.87′	-1.3	1.2	5	194	1	0.02

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220304	16:00:17.26	41º 30.64′	112º 10.48′	8.1	1.0	12	91	11	0.07
220304	19:13:11.05	39º 25.48′	110º 18.68′	-1.6	1.9	12	194	1	0.11
220305	01:30:33.13	41º 50.03′	112º 39.18′	2.8*	1.0	15	137	12	0.18
220305	11:24:35.88	38º 33.69′	112º 13.18′	2.0	1.1W	12	108	1	0.10
220305	23:14:42.31	41º 40.56′	112º 03.98′	1.1*	1.0	9	97	12	0.22
220306	03:47:14.47	38º 34.33′	112º 12.80′	1.5	1.5W	23	47	2	0.20
220306	06:32:30.13	38º 05.23′	112º 26.56′	3.2*	1.4	13	147	27	0.12
220307	07:43:25.39	41º 55.81′	112º 40.02′	5.9*	0.4	6	177	19	0.09
220307	15:12:39.53	39º 25.24′	110º 18.36′	-2.0	1.5	8	197	2	0.16
220307	16:58:17.35	39º 24.72′	110º 17.15′	-3.3	1.9	8	204	4	0.24
220307	17:10:04.69	39º 24.94′	110º 17.76′	-3.4	0.9	6	186	3	0.10
220307	19:48:06.34	39º 25.35′	110º 19.01′	-1.1	1.2	7	193	1	0.02
220307	20:17:59.31	39º 25.03′	110º 18.61′	-2.1	1.6	9	196	2	0.12
220307	23:05:31.46	39º 24.84′	110º 17.57′	-3.4	1.6	6	202	3	0.13
220307	23:43:26.43	39º 25.21′	110º 18.75′	-1.5	1.5	11	196	1	0.10
220308	03:15:27.28	39º 24.97′	110º 18.14′	-2.7	1.8	7	199	2	0.13
220308	04:58:55.96	39º 24.58′	110º 16.92′	-3.4	1.7	7	206	4	0.27
220308	05:32:23.67	39º 24.67′	110º 17.53′	-3.4	1.2W	7	203	3	0.23
220308	05:55:25.07	39º 25.09′	110º 18.32′	-2.2	1.2W	6	197	2	0.09
220308	10:18:42.29	39º 25.19′	110º 18.15′	-2.8	1.9	7	199	2	0.13
220308	15:52:27.95	39º 24.81′	110º 17.18′	-3.4	1.6	6	204	4	0.18
220308	16:58:16.77	39º 25.10′	110º 18.58′	-2.0	1.7	7	196	1	0.11
220308	17:34:36.55	39º 24.98′	110º 18.54′	-2.0	1.6	7	196	2	0.12
220308	18:43:49.27	39º 25.65′	110º 19.36′	-1.3	1.2	7	191	0	0.02
220308	21:24:29.12	39º 24.97′	110º 18.38′	-2.3	1.5	6	198	2	0.11
220308	23:40:43.80	37º 47.01′	113º 08.93′	5.8*	1.6W	15	122	22	0.17
220309	02:07:19.69	39º 24.99′	110º 18.34′	-2.4	1.6	7	198	2	0.09
220309	05:43:35.18	39º 25.33′	110º 18.70′	-1.9	1.6W	8	195	1	0.13
220309	18:41:50.27	39º 25.21′	110º 18.57′	-1.9	--	11	181	1	0.08
220309	19:49:27.01	39º 25.08′	110º 18.34′	-2.3	2.0	6	197	2	0.14
220309	20:10:22.87	41º 30.38′	112º 10.27′	4.0*	0.7	17	64	11	0.10
220309	21:31:06.69	39º 25.15′	110º 18.52′	-1.9	1.5	7	196	2	0.08
220309	22:34:09.00	39º 25.21′	110º 18.32′	-2.2	2.1	5	197	2	0.04
220310	00:35:37.01	39º 25.40′	110º 18.19′	-2.3	1.5W	9	197	2	0.11
220310	02:19:40.95	39º 25.32′	110º 18.59′	-1.6	1.7	5	196	1	0.05
220310	02:57:52.48	39º 25.40′	110º 18.43′	-2.1	1.7	7	196	2	0.08
220310	03:43:54.21	39º 25.12′	110º 17.92′	-3.4	1.9	8	185	2	0.12
220310	05:53:29.14	39º 25.19′	110º 18.44′	-2.0	1.7	6	197	2	0.07
220310	06:02:48.06	39º 24.54′	110º 16.81′	-3.4	1.6	8	207	4	0.25
220310	08:30:47.23	41º 04.45′	111º 33.97′	5.7*	1.0	6	215	23	0.16
220310	13:54:53.32	39º 31.42′	111º 57.82′	4.3*	2.1W	18	57	13	0.17
220310	15:25:10.42	39º 24.96′	110º 17.45′	-3.4	1.7	7	202	3	0.15
220310	16:06:35.65	39º 25.18′	110º 18.02′	-3.5	1.7W	9	183	2	0.14
220310	17:01:33.06	39º 25.18′	110º 18.24′	-2.8	1.9	7	198	2	0.13

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2022

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220310	18:02:36.33	39º 25.16′	110º 18.10′	-3.4	1.9	7	199	2	0.14
220310	20:39:49.89	39º 25.02′	110º 18.38′	-2.1	1.9	12	197	2	0.14
220311	00:43:05.54	39º 24.86′	110º 17.54′	-3.4	1.9	6	202	3	0.14
220311	03:27:19.18	38º 10.97′	111º 14.85′	9.0*	1.6W	17	109	52	0.11
220311	04:06:53.02	38º 10.86′	111º 13.98′	6.0*	1.2W	7	132	51	0.05
220311	04:13:55.58	39º 25.37′	110º 19.14′	-1.3	1.3	5	193	1	0.01
220311	05:18:35.47	39º 25.40′	110º 18.37′	-2.1	1.6W	8	183	2	0.11
220311	05:34:53.58	36º 47.57′	112º 56.31′	6.0*	1.5W	6	188	27	0.13
220311	06:16:22.13	40º 54.12′	113º 17.74′	8.9*	2.5W	17	231	22	0.19
220311	08:43:13.06	38º 28.52′	112º 50.65′	0.1	-0.3	10	193	2	0.03
220311	09:27:52.60	40º 54.61′	113º 19.77′	9.1*	2.1W	22	120	25	0.18
220311	12:56:17.67	39º 25.26′	110º 18.38′	-2.2	1.5W	8	197	2	0.13
220311	13:49:54.54	41º 45.11′	111º 41.68′	14.3	1.3W	18	68	8	0.13
220311	15:01:19.76	37º 43.69′	113º 59.89′	18.6	1.1	6	143	32	0.10
220311	18:52:54.93	38º 28.59′	112º 50.56′	1.0	--	8	194	3	0.03
220311	18:53:01.18	38º 27.86′	112º 52.72′	4.9	-0.7	6	197	2	0.28
220311	18:53:25.20	38º 28.57′	112º 50.91′	0.9	-0.3	7	185	2	0.02
220311	23:01:35.26	38º 13.14′	112º 14.45′	9.1*	1.6W	12	143	32	0.07
220312	00:32:15.07	39º 25.04′	110º 17.68′	-3.4	1.4W	7	201	3	0.09
220312	18:45:18.71	39º 25.23′	110º 18.22′	-2.7	1.7	8	198	2	0.13
220312	18:47:08.79	38º 44.86′	112º 33.99′	1.2*	0.9W	10	187	19	0.15
220312	23:27:40.15	38º 34.53′	112º 32.69′	1.6	0.6	12	172	9	0.05
220313	06:23:33.43	37º 25.70′	113º 08.07′	11.1	2.1W	21	74	8	0.18
220314	00:24:59.95	41º 30.49′	112º 10.27′	4.2*	0.5	9	170	11	0.05
220314	08:22:03.93	41º 52.00′	112º 36.28′	0.8*	1.1	13	136	17	0.14
220314	11:06:05.13	39º 25.21′	110º 18.23′	-2.7	2.1	7	198	2	0.13
220314	11:55:56.75	39º 25.14′	110º 18.38′	-2.0	1.9	6	197	2	0.06
220314	14:45:00.81	39º 24.87′	110º 18.26′	-2.5	1.8	6	199	2	0.11
220314	18:05:31.14	39º 25.11′	110º 18.44′	-2.1	2.0	11	197	2	0.13
220314	18:24:43.41	39º 25.21′	110º 18.72′	-1.4	1.9	12	196	1	0.06
220314	18:37:46.29	39º 25.08′	110º 18.41′	-2.0	1.7	10	197	2	0.12
220314	19:06:27.94	38º 08.01′	112º 37.28′	10.9*	1.7W	16	83	33	0.12
220314	23:49:11.65	39º 25.22′	110º 18.24′	-2.7	1.9	9	197	2	0.14
220315	01:14:10.55	39º 25.34′	110º 18.71′	-1.5	1.7	6	195	1	0.02
220315	02:49:13.61	39º 25.12′	110º 18.48′	-1.8	1.6	7	197	2	0.11
220315	03:26:12.14	39º 25.04′	110º 18.65′	-1.8	2.3	12	196	1	0.13
220315	12:23:38.79	39º 25.42′	110º 18.54′	-2.0	1.8	8	196	1	0.14
220315	15:17:04.16	39º 24.82′	110º 18.18′	-2.7	2.0	7	199	2	0.12
220315	17:07:26.04	39º 24.84′	110º 17.95′	-3.5	1.7	7	201	3	0.13
220315	18:18:04.11	39º 25.26′	110º 18.79′	-1.6	1.7	8	194	1	0.02
220315	19:15:40.35	39º 24.99′	110º 18.65′	-1.8	2.0	10	196	1	0.14
220315	20:09:12.69	39º 25.38′	110º 18.89′	-1.4	1.6	7	194	1	0.07
220315	23:14:59.68	39º 25.20′	110º 18.69′	-1.7	1.6	7	196	1	0.08
220316	00:00:06.40	39º 25.27′	110º 18.37′	-2.1	1.7	5	197	2	0.06

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220316	00:37:46.92	38º 16.52′	108º 55.83′	-0.6	2.2	12	82	6	0.11
220316	01:56:43.18	39º 25.16′	110º 18.16′	-3.2	1.5W	7	199	2	0.13
220316	02:49:16.08	37º 41.08′	113º 11.03′	1.6*	1.0W	6	120	13	0.07
220316	04:27:35.66	39º 25.24′	110º 18.25′	-2.5	1.9	7	197	2	0.13
220316	05:41:01.88	39º 25.40′	110º 18.66′	-1.6	1.5	7	195	1	0.06
220316	09:21:11.14	39º 25.00′	110º 17.69′	-3.4	1.8	8	201	3	0.13
220316	09:28:07.05	39º 25.22′	110º 18.41′	-2.0	1.8	9	197	2	0.07
220316	16:46:53.87	39º 24.58′	110º 16.66′	-3.4	1.6	6	207	4	0.19
220316	19:56:55.57	39º 24.97′	110º 18.26′	-2.5	1.5	10	198	2	0.14
220316	20:00:11.59	39º 25.03′	110º 18.09′	-2.8	1.5	6	199	2	0.09
220316	20:41:48.57	38º 16.44′	108º 55.58′	0.2	2.1W	13	84	5	0.08
220316	20:42:16.92	39º 27.94′	110º 19.45′	1.6	0.8	6	162	5	0.33
220317	00:40:14.35	39º 24.88′	110º 16.77′	-3.4	1.6	6	207	4	0.20
220317	01:10:11.24	38º 36.43′	112º 34.24′	7.7	0.8W	10	187	11	0.04
220317	01:13:45.63	39º 24.83′	110º 17.25′	-3.4	1.8	7	204	3	0.18
220317	02:19:26.67	39º 24.65′	110º 17.78′	-3.3	1.5	6	201	3	0.10
220317	05:29:11.22	39º 25.13′	110º 18.19′	-2.5	1.5W	8	198	2	0.14
220317	05:42:38.90	39º 24.94′	110º 18.01′	-3.4	1.8	7	199	2	0.12
220317	06:04:58.21	39º 24.99′	110º 18.19′	-3.0	1.6	7	199	2	0.10
220317	13:57:04.48	39º 25.02′	110º 18.32′	-2.7	1.4W	7	198	2	0.12
220317	14:17:53.41	39º 24.85′	110º 16.80′	-3.4	1.9	6	206	4	0.20
220317	15:10:50.82	39º 24.78′	110º 17.12′	-3.3	1.5	5	204	4	0.16
220317	16:01:43.21	39º 24.96′	110º 18.12′	-3.0	1.7	7	199	2	0.12
220317	17:02:54.42	38º 16.62′	108º 55.11′	1.5	2.0	9	118	5	0.08
220317	17:35:37.91	39º 25.24′	110º 18.94′	-1.4	1.7	11	194	1	0.04
220317	18:02:09.03	39º 25.00′	110º 18.30′	-2.4	1.6	10	198	2	0.12
220317	19:27:58.61	39º 24.98′	110º 18.15′	-2.2	1.6	9	199	2	0.08
220317	20:24:35.98	39º 25.10′	110º 18.68′	-1.7	1.9	9	196	1	0.14
220317	21:41:51.22	39º 25.01′	110º 18.72′	-1.6	1.5	7	196	1	0.05
220317	21:43:54.35	39º 25.30′	110º 19.31′	-1.2	1.2	7	192	0	0.02
220318	01:30:55.86	38º 36.02′	112º 32.81′	2.5	0.6	10	180	9	0.07
220318	01:38:51.37	39º 25.33′	110º 18.71′	-1.9	1.6	8	195	1	0.14
220318	01:45:53.45	39º 25.07′	110º 18.07′	-3.5	1.8	7	199	2	0.12
220318	05:16:06.02	39º 25.02′	110º 18.37′	-2.3	1.4	6	197	2	0.10
220318	05:24:09.31	39º 44.45′	109º 24.71′	6.0*	2.0	9	91	73	0.14
220318	06:55:33.73	39º 24.97′	110º 17.13′	-3.4	2.0	6	204	4	0.17
220318	07:46:29.51	39º 24.97′	110º 17.20′	-3.3	1.9	5	204	3	0.17
220318	13:34:39.23	39º 25.00′	110º 17.14′	-3.4	1.9	5	204	3	0.18
220318	15:47:38.29	38º 35.21′	112º 32.61′	1.6	0.7	13	170	9	0.08
220319	07:10:05.78	38º 37.36′	112º 33.25′	1.3	1.2	18	87	9	0.12
220319	09:03:34.87	39º 25.05′	110º 18.12′	-2.6	1.5	5	199	2	0.08
220319	10:33:38.99	38º 35.13′	112º 32.44′	3.2	0.6	10	173	9	0.05
220319	10:36:38.60	38º 34.37′	112º 32.16′	1.9	0.4	9	177	9	0.08
220319	10:43:44.03	38º 36.86′	112º 24.33′	5.7	0.2	10	223	4	0.09
220319	10:44:03.54	38º 35.64′	112º 32.75′	2.4	1.5W	15	173	9	0.06

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2022

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220319	10:59:08.07	38º 35.97′	112º 32.90′	2.8	0.4	10	178	9	0.07
220319	13:35:30.75	42º 25.45′	111º 29.76′	3.0*	1.1	10	266	42	0.09
220319	15:13:52.07	38º 35.87′	112º 32.61′	3.6	0.6	11	177	8	0.08
220320	13:17:09.25	38º 36.85′	112º 32.76′	5.8	0.7	7	193	9	0.07
220320	15:51:13.66	38º 35.61′	112º 32.79′	2.2	1.0W	13	173	9	0.07
220320	15:51:54.30	38º 35.49′	112º 32.64′	2.3	0.4	12	174	9	0.05
220321	01:43:44.98	39º 13.44′	109º 25.64′	6.0*	1.7	9	193	81	0.11
220321	12:56:13.18	39º 25.41′	110º 19.18′	-1.3	1.5	5	181	0	0.02
220321	15:44:24.82	39º 24.71′	110º 16.91′	-3.5	1.6W	8	206	4	0.23
220321	19:18:51.66	39º 24.84′	110º 17.89′	-3.0	1.5W	9	201	3	0.16
220321	23:16:32.55	39º 25.36′	110º 19.58′	-1.2	1.1	5	177	0	0.01
220321	23:43:28.24	39º 25.02′	110º 18.32′	-2.5	1.6W	13	198	2	0.13
220322	10:07:17.18	37º 25.58′	112º 57.05′	2.7*	1.2W	7	216	17	0.08
220322	16:20:07.87	39º 24.98′	110º 17.86′	-3.5	1.8	5	200	3	0.07
220322	18:52:01.45	39º 25.25′	110º 19.09′	-1.4	1.8	9	193	1	0.06
220322	21:29:46.67	39º 25.30′	110º 18.73′	-1.7	1.6	6	195	1	0.04
220322	23:48:30.35	39º 25.07′	110º 17.86′	-3.5	1.8W	7	200	2	0.15
220323	00:57:40.29	39º 25.25′	110º 18.29′	-2.4	1.9	9	197	2	0.13
220323	04:05:34.79	39º 25.23′	110º 18.60′	-1.6	1.0	5	196	1	0.02
220323	04:17:48.43	39º 25.15′	110º 18.60′	-1.7	1.4	8	196	1	0.08
220323	04:57:46.64	39º 24.63′	110º 16.99′	-3.4	1.7	7	206	4	0.21
220323	09:42:23.20	39º 25.32′	110º 18.62′	-1.9	1.5	6	180	1	0.08
220323	16:07:15.88	38º 39.30′	112º 14.46′	8.0*	2.3W	25	52	17	0.21
220323	17:46:42.79	40º 44.97′	111º 56.69′	8.7	0.9	19	69	3	0.12
220323	19:05:42.12	39º 25.04′	110º 18.51′	-2.0	1.8W	16	182	2	0.15
220323	20:15:16.12	40º 44.53′	111º 56.54′	6.4	0.7	13	97	8	0.11
220323	21:27:23.09	38º 37.08′	112º 35.11′	2.0*	0.9W	12	196	12	0.16
220323	23:46:49.61	39º 25.20′	110º 18.15′	-3.2	1.5	8	199	2	0.12
220324	01:19:31.60	39º 24.59′	110º 16.41′	-3.3	1.8	8	209	5	0.21
220324	03:14:46.22	39º 24.97′	110º 17.84′	-3.2	1.6	8	186	3	0.13
220324	08:35:20.71	38º 55.08′	111º 26.47′	2.6*	1.5	6	138	15	0.09
220324	08:50:28.92	38º 55.92′	111º 26.48′	5.8*	1.5	7	110	17	0.14
220324	10:10:50.63	40º 44.74′	111º 56.57′	6.1	0.6	33	45	3	0.16
220324	11:42:07.86	37º 25.18′	113º 51.35′	0.3	1.6W	9	167	5	0.13
220324	16:46:41.82	39º 25.29′	110º 18.79′	-1.5	1.8	9	194	1	0.04
220324	19:03:57.19	40º 44.88′	111º 56.99′	5.6	0.7	8	104	7	0.03
220324	22:37:07.23	37º 23.22′	114º 11.06′	12.6*	1.3	7	277	30	0.12
220325	00:50:19.22	39º 25.31′	110º 18.50′	-2.0	2.0	8	196	1	0.12
220325	01:07:20.08	39º 25.28′	110º 19.05′	-1.4	1.3	5	193	1	0.00
220325	01:10:23.93	39º 24.88′	110º 18.26′	-2.7	1.8	7	198	2	0.12
220325	06:13:03.01	38º 33.79′	112º 13.05′	-0.7	1.5W	19	59	7	0.11
220325	09:05:28.63	38º 36.67′	112º 34.90′	7.4	0.6	12	190	12	0.06
220325	09:25:58.56	40º 44.71′	112º 02.72′	7.6	0.2	6	121	2	0.06
220325	10:08:51.12	38º 35.00′	112º 34.26′	7.2	0.3	11	171	11	0.06

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2022

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
220325	13:24:57.20	41º 32.01′	109º 48.30′	-3.3	1.4	8	102	10	0.06
220325	17:37:35.59	39º 25.29′	110º 18.43′	-2.1	1.5W	8	197	2	0.12
220325	23:47:09.23	38º 42.28′	112º 35.10′	8.9	1.4W	13	177	16	0.26
220327	09:39:39.54	41º 30.27′	111º 46.58′	8.5	1.6W	34	44	9	0.11
220327	09:40:01.63	41º 30.32′	111º 46.69′	8.7	1.0	20	93	8	0.15
220327	10:50:05.11	42º 27.14′	111º 04.95′	7.2*	1.6	10	120	56	0.14
220327	18:50:23.11	37º 25.32′	110º 33.63′	-1.2*	2.4W	11	103	59	0.23
220327	20:57:32.79	38º 28.30′	112º 51.59′	1.7	-0.6	7	164	1	0.04
220328	05:56:46.09	40º 32.99′	110º 44.44′	12.7	1.3	16	142	2	0.10
220328	08:12:16.20	38º 12.76′	111º 42.03′	6.0*	2.0W	13	109	55	0.25
220328	14:51:04.06	39º 25.33′	110º 18.84′	-1.4	1.0	5	194	1	0.02
220328	15:11:48.00	39º 25.36′	110º 19.37′	-1.3	1.5	5	191	0	0.01
220328	19:13:16.52	39º 25.24′	110º 18.73′	-1.5	1.6	7	196	1	0.04
220329	03:28:11.67	38º 35.61′	112º 32.15′	1.5	1.3W	13	171	8	0.15
220329	04:03:57.51	40º 36.06′	112º 39.07′	6.0*	1.0	8	121	34	0.21
220329	12:04:04.28	41º 47.50′	112º 22.99′	1.3*	0.3	9	101	15	0.19
220329	17:28:24.62	39º 25.19′	110º 18.45′	-2.0	1.5	8	197	2	0.09
220329	21:00:27.61	40º 26.73′	111º 55.17′	8.3	0.9	15	159	3	0.11
220329	21:23:45.71	39º 25.34′	110º 19.09′	-1.4	1.9	6	193	1	0.03
220330	02:33:20.57	36º 49.28′	112º 59.44′	17.3	1.4W	11	170	26	0.10
220330	05:20:02.36	39º 24.89′	110º 17.10′	-3.4	1.5	7	204	4	0.19
220330	10:48:29.05	40º 27.35′	111º 56.01′	9.6	1.4W	29	57	2	0.20
220330	16:32:44.94	39º 25.05′	110º 18.23′	-2.7	1.4W	6	198	2	0.07
220330	21:10:03.41	39º 25.28′	110º 19.05′	-1.3	1.5	10	193	1	0.06
220331	02:55:43.68	39º 25.21′	110º 18.35′	-2.1	1.9	13	197	2	0.13
220331	05:12:10.65	39º 24.95′	110º 18.09′	-3.2	2.1	7	199	2	0.13
220331	10:54:47.92	38º 29.31′	112º 50.72′	-0.2	-0.4	10	97	2	0.04

number of earthquakes = 866 M indicates moment magnitude

* indicates poor depth control W indicates Wood-Anderson data used for magnitude calculation

Table 3
UNIVERSITY OF UTAH REGIONAL/URBAN SEISMIC NETWORK
Operating Seismograph Stations
March 31, 2022

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
2272	Eastwood Elementary School Salt Lake City, UT	HN[ZEN]	3	NP	40° 41.98′	111° 47.62′	1515	EpiSensor	Basalt	Digital	NSMP, ANSS
2285	Liberty Park Salt Lake City, UT	HN[ZEN]	3	NP	40° 44.70′	111° 52.49′	1298	EpiSensor	Basalt	Digital	NSMP, ANSS
2286	Roosevelt Elementary School Salt Lake City, UT	HN[ZEN]	3	NP	40° 42.08′	111° 52.01′	1314	EpiSensor	Basalt	Digital	NSMP, ANSS
7202	Meadowbrook Golf Course Murray, UT	HN[ZEN]	3	NP	40° 40.93′	111° 55.36′	1293	EpiSensor	Basalt	Digital	NSMP, ANSS
7203	Bonneville Golf Course Salt Lake City, UT	HN[ZEN]	3	NP	40° 44.81′	111° 49.63′	1457	EpiSensor	Basalt	Digital	NSMP, ANSS
7208	SR 201/I-80 Bridge Array, Salt Lake City, UT	EN[ZEN]	3	NP	40° 43.38′	111° 54.43′	1291	EpiSensor	K2	Digital	NSMP, ANSS
7212	Annex Bldg., Weber State University, Ogden, UT	HN[ZEN]	3	NP	41° 11.75′	111° 56.50′	1422	EpiSensor	Basalt	Digital	NSMP, ANSS
7223	Dixie State College St. George, UT	HN[ZEN]	3	NP	37° 06.02′	113° 33.94′	815	EpiSensor	Etna	Digital	NSMP, ANSS
7224	Southern Utah University Cedar City, UT	HN[ZEN]	3	NP	37° 40.35′	113° 04.29′	1782	EpiSensor	Basalt	Digital	NSMP, ANSS
7225	City Maintenance Yard Beaver, UT	HN[ZEN]	3	NP	38° 17.01′	112° 38.32′	1808	EpiSensor	Etna	Digital	NSMP, ANSS
7226	UDOT IT Radio Shop Richfield, UT	HN[ZEN]	3	NP	38° 45.43′	112° 05.26′	1616	FBA23	Basalt	Digital	NSMP, ANSS
7227	City Maintenance Yard Gunnison, UT	HN[ZEN]	3	NP	39° 09.35′	111° 49.17′	1568	EpiSensor	Basalt	Digital	NSMP, ANSS
7228	Juab School District Nephi, UT	HN[ZEN]	3	NP	39° 43.27′	111° 49.49′	1576	EpiSensor	Basalt	Digital	NSMP, ANSS
7229	City Maintenance Shop Santaquin, UT	HN[ZEN]	3	NP	39° 58.35′	111° 47.58′	1520	EpiSensor	Etna	Digital	NSMP, ANSS

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
7232	City Parks & Recreation Office Tremonton, UT	HN[ZEN]	3	NP	41° 43.13′	112° 10.91′	1320	EpiSensor	Etna2	Digital	NSMP, ANSS
AHID	Auburn, ID	BH[ZEN]	3	US	42° 45.92′	111° 06.02′	1960	*	*	Digital	USGS
ALP	Alpine Fire Station, Alpine, UT	EN[ZEN]	3	UU	40° 27.26′	111° 46.61′	1510	EpiSensor	Etna2	Digital	ANSS
ALT	Alta City Offices, Alta, UT	EN[ZEN]	3	UU	40° 35.42′	111° 38.25′	2635	EpiSensor	Etna2	Digital	ANSS
AMF	Tri-Cities Golf Course American Fork, UT	EN[ZEN]	3	UU	40° 24.11′	111° 47.27′	1445	EpiSensor	Basalt	Digital	ANSS
ANMO	Albuquerque, NM	BH[ZEN]	3	IU	34° 57.01′	106° 27.61′	1743	*	*	Digital	USGS
ARGU	Argyle Ridge, UT	EHZ	1	UU	39° 49.37′	110° 32.62′	2828	S13	PSN	Analog	Utah
ARUT	Antelope Range, UT	EHZ	1	UU	37° 47.28′	113° 26.42′	1646	L4C	PSN	Analog	Utah
AVE	Avenues, Salt Lake City, UT	EN[ZEN]	3	UU	40° 46.47′	111° 51.83′	1387	EpiSensor	Etna2	Digital	ANSS
B206	Canyon206bwy2008, Yellowstone, WY	EH[ZEN]	3	PB	44° 46.66′	110° 30.70′	2400	IESE-S2	Q330	Digital	PBO
B207	Madisn207bwy2007, Yellowstone, WY	EH[ZEN]	3	PB	44° 37.14′	110° 50.91′	2182	IESE-S2	Q330	Digital	PBO
B208	Lakejn208bwy2008, Yellowstone, WY	EH[ZEN]	3	PB	44° 33.61′	110° 24.09′	2406	IESE-S2	Q330	Digital	PBO
B944	Grantt944bwy2008, Yellowstone, WY	EH[ZEN]	3	PB	44° 23.38′	110° 32.63′	2365	IESE-S2	Q330	Digital	PBO
B945	Panthr944swy2008, Yellowstone, WY	EH[ZEN]	3	PB	44° 53.64′	110° 44.65′	2249	IESE-S2	Q330	Digital	PBO
B950	Norris950bwy2013, Yellowstone, WY	EH[ZEN]	3	PB	44° 42.77′	110° 40.71′	2328	IESE-S2	Q330	Digital	PBO
BCE	Book Cliffs East, UT	EHZ	1	UU	39° 36.79′	110° 24.51′	2666	L4C	Basalt	Digital	Utah
		EN[ZEN]	3					EpiSensor			
BCS	Brigham City Maintenance Shop Brigham City, UT	EN[ZEN]	3	UU	41° 30.71′	112° 01.98′	1303	EpiSensor	Etna2	Digital	ANSS
BCU	Brigham City, UT	EN[ZEN]	3	UU	41° 30.74′	111° 58.93′	1676	EpiSensor	Etna2	Digital	ANSS
BCW	Book Cliffs West, UT	EHZ	1	UU	39° 43.82′	110° 44.55′	2614	L4C	Basalt	Digital	Utah
		EN[ZEN]	3					EpiSensor			
BEI	Bear River Range, ID	EHZ	1	UU	42° 07.00′	111° 46.94′	1859	L4C	PSN	Analog	USGS
BES	Bates Elementary School Ogden, UT	EN[ZEN]	3	UU	41° 19.10′	111° 57.26′	1455	EpiSensor	K2	Digital	ANSS
BGMT	Barton Gulch, MT	EHZ	1	MB	45° 14.00′	112° 02.43′	2172	*	*	Analog	MBMT
BGU	Big Grassy Mountain, UT	EN[ZEN]	3	UU	40° 55.53′	113° 01.79′	1640	EpiSensor	Q330	Digital	ANSS
		HH[ZEN]	3					Trillium 120			
BHU	Blowhard Mountain, UT	EH[ZEN]	3	UU	37° 35.63′	112° 51.72′	3250	S13	PSN	Analog	Utah
BHUT	Beaver High School, UT	EN[ZEN]	3	UU	38° 16.61′	112° 38.42′	1799	PA-23	SMART-24	Digital	Utah

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
BMUT	Black Mountain, UT	EHZ	1	UU	41° 57.49′	111° 14.05′	2243	S13	PSN	Analog	USGS
BOZ	Bozeman, MT	BH[ZEN]	3	US	45° 38.82′	111° 37.78′	1589	*	*	Digital	USGS
BRPU	Butcher Ranch, Price, UT	HH[ZEN]	3	UU	39° 28.38′	110° 44.40′	1687	Trillium 240	Q330	Digital	Utah
		EN[ZEN]	3					EpiSensor			
BRWY	Blue Rim, WY	HH[ZEN]	3	UU	41° 37.32′	109° 30.19′	2098	Trillium 120	Centaur	Digital	Utah
BSS	Butlerville Substation Salt Lake City, UT	EN[ZEN]	3	UU	40° 37.45′	111° 49.37′	1411	EpiSensor	Etna2	Digital	ANSS
BSUT	Blindstream Canyon, Hanna, UT	HH[ZEN]	3	UU	40° 32.19′	110° 45.67′	3211	Trillium 120	Q330	Digital	Utah
		EN[ZEN]	3					EpiSensor			
BTU	Barney Top, UT	EHZ	1	UU	37° 45.34′	111° 52.46′	3235	S13	PSN	Analog	Utah
BW06	Boulder, WY	BH[ZEN]	3	US	42° 46.00′	109° 33.50′	2224	*	*	Digital	USGS
BYP	Brigham Young Park Salt Lake City, UT	EN[ZEN]	3	UU	40° 46.26′	111° 53.23′	1323	EpiSensor	Etna2	Digital	ANSS
BZMT	Bozeman Pass, MT	EHZ	1	MB	45° 38.89′	110° 47.80′	1905	*	*	Analog	MBMT
CAPU	Capitol, Salt Lake City, UT	EN[ZEN]	3	UU	40° 46.71′	111° 53.40′	1384	EpiSensor	Etna2	Digital	ANSS
CCPU	Cedar City Park, UT	EN[ZEN]	3	UU	38° 16.61′	112° 38.42′	1799	PA-23	SMART-24	Digital	Utah
CCUT	Cedar City, UT	HH[ZEN]	3	UU	37° 33.04′	113° 21.77′	2124	STS-2	Centaur	Digital	USGS
		EN[ZEN]	3					R147			
CFS	Copperton Fire Station, Copperton, UT	EN[ZEN]	3	UU	40° 33.96′	112° 05.61′	1654	EpiSensor	Etna2	Digital	ANSS
CHS	Copper Hills High School, West Jordan, UT	EN[ZEN]	3	UU	40° 35.68′	112° 01.03′	1460	EpiSensor	Etna2	Digital	ANSS
CMI	Centennial Mountains, ID	EHZ	1	RC	44° 30.99′	111° 37.05′	2267	L4C	*	Analog	BYU-I
COMI	Craters of the Moon, ID	EHZ	1	IE	43° 27.72′	113° 35.64′	1890	*	*	Digital	INL
COY	Coyote Canyon, Tooele Valley, UT	EN[ZEN]	3	UU	40° 39.56′	112° 14.34′	1572	EpiSensor	Etna2	Digital	ANSS
CRLU	Curley Ranch, La Sal, UT	EHZ	1	UU	38° 17.50′	109° 15.64′	2035	L4C	Basalt	Digital	Utah, USGS
		EN[ZEN]	3					EpiSensor			
CRMT	Chrome Mountain, MT	EHZ	1	MGB	45° 27.35′	110° 08.41′	2941	*	*	Analog	MBMT
CTU	Camp Tracy, UT	HH[ZEN]	3	UU	40° 41.55′	111° 45.02′	1731	Titan	Centaur	Digital	USGS
		EN[ZEN]	3					Trillium 120			
CVH	Cedar City, Canyon View High School, UT	EN[ZEN]	3	UU	37° 42.91′	113° 03.85′	1724	PA-23	SMART-24	Digital	Utah
CVRU	Castle Valley Ranch, Emery, UT	HH[ZEN]	3	UU	38° 55.06′	111° 10.30′	1912	STS-2	Q330	Digital	Utah
		EN[ZEN]	3					EpiSensor			
CWR	Coldwater Ranch, Paradise, UT	EN[ZEN]	3	UU	41° 34.90′	111° 46.89′	1837	EpiSensor	Etna2	Digital	ANSS
CWU	Camp Williams, UT	EHZ	1	UU	40° 26.75′	112° 06.13′	1945	L4C	PSN	Analog	USGS
DAU	Daniels Canyon, UT	EHZ	1	UU	40° 24.75′	111° 15.35′	2771	S13	PSN	Analog	USGS
DBD	Des Bee Dove, UT	EHZ	1	UU	39° 18.82′	111° 05.55′	2265	L4C	PSN	Analog	Utah

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
DCM	Dugout Coal Mine, UT	EHZ	1	UU	39° 41.70′	110° 35.00′	2537	L4C	Basalt	Digital	Utah
		EN[ZEN]	3					EpiSensor			
DCU	Deer Creek Reservoir, UT	EHZ	1	UU	40° 24.82′	111° 31.61′	1829	L4C	PSN	Analog	USGS
DOT	Utah Dept. of Transportation Region II Offices, Salt Lake City, UT	EN[ZEN]	3	UU	40° 43.61′	111° 57.65′	1282	EpiSensor	Etna2	Digital	ANSS
DUG	Dugway, UT	BH[ZEN]	3	US	40° 11.70′	112° 48.80′	1477	STS-2	Q330	Digital	USGS
DVCI	Devils Canyon, ID	HH[ZEN]	3	IE	44° 22.99′	114° 02.31′	1997	Trillium 120	Q330	Digital	INL
DWU	Dry Willow, UT	EHZ	1	UU	38° 06.32′	112° 59.85′	2270	S13	PSN	Analog	Utah
ECRI	Eagle Creek, ID	EHZ	1	IE	43° 03.24′	111° 22.26′	2086	*	*	Digital	INL
ECUT	Ebbs Canyon, Scipio, UT	HH[ZEN]	3	UU	39° 10.30′	112° 07.99′	2136	Trillium 120	Centaur	Digital	Utah
EKU	East Kanab, UT	EHZ	1	UU	37° 04.48′	112° 29.81′	1829	S13	PSN	Analog	Utah
ELE	East Layton Elementary School, East Layton, UT	EN[ZEN]	3	UU	41° 04.84′	111° 55.09′	1444	EpiSensor	Etna2	Digital	ANSS
ELK	Elko, NV	BH[ZEN]	3	US	40° 44.69′	115° 14.33′	2210	*	*	Digital	USGS
ELU	Electric Lake, UT	EHZ	1	UU	39° 38.41′	111° 12.23′	2970	L4C	PSN	Analog	Utah
EMF	Eagle Mountain Gas Tap, UT	EN[ZEN]	3	UU	40° 16.89′	111° 59.92′	1487	EpiSensor	Etna2	Digital	ANSS
EMU	Emma Park, UT	EH[ZEN]	3	UU	39° 48.84′	110° 48.92′	2268	S13	PSN	Analog	USGS
		EN[ZEN]	3					FBA23	K2	Digital	Utah
EOCU	EOC, State Capitol Campus, Salt Lake City, UT	EN[ZEN]	3	UU	40° 46.62′	111° 53.95′	1356	EpiSensor	Basalt	Digital	Utah
EPU	East Promontory, UT	EHZ	1	UU	41° 23.49′	112° 24.53′	1436	L4C	PSN	Analog	USGS
ETW	Elwood Town Hall, Elwood, UT	EN[ZEN]	3	UU	41° 40.15′	112° 08.53′	1305	EpiSensor	Etna2	Digital	ANSS
FLU	Fool′s Peak, UT	EHZ	1	UU	39° 22.69′	112° 10.29′	1951	18300	Basalt	Digital	USGS
		EN[ZEN]	3								
FLWY	Flagg Ranch, WY	BH[Z12]	3	IW	44° 04.96′	110° 41.96′	2078	3ESP	RT-130	Digital	ANSS
FMC	FMC Mine, Green River, WY	HH[ZEN]	3	UU	41° 24.49′	109° 46.67′	1903	40T	RT-130	Digital	Utah
FOR1	Milford Southwest, UT	HH[ZEN]	3	UU	38° 22.13′	113° 05.63′	1642	Trillium 120	Centaur	Digital	Utah
FOR2	Blundell East, UT	HH[ZEN]	3	UU	38° 29.70′	112° 52.34′	1760	Trillium 120	Centaur	Digital	Utah
FOR5	SW Antelope Mountain, UT	HH[ZEN]	3	UU	38° 34.18′	112° 51.27′	1742	Trillium 120	Centaur	Digital	Utah
FOR6	FORGE, UT	HH[ZEN]	3	UU	38° 29.39′	112° 47.25′	2421	Trillium 120	Centaur	Digital	Utah
FOR7	FORGE, UT	HH[ZEN]	3	UU	38° 25.24′	112° 51.16′	1964	Trillium 120	Centaur	Digital	Utah
FOR8	FORGE, UT	HH[ZEN]	3	UU	38° 31.72′	113° 04.68′	1654	Trillium 120	Centaur	Digital	Utah
FORB	Blundell, Power Plant, UT	EN[ZEN]	3	UU	38° 29.41′	112° 51.30′	1845	EpiSensor	Basalt	Digital	Utah
FORK	Blundell, UT	EH[Z12]	3	UU	38° 30.07′	112° 53.19′	1408	Omni-2400	Obsidian	Digital	Utah
		GH[Z12]	3								
		EN[Z12]	3					Silicon-ULN			
		GN[Z12]	3								
FORU	South Mineral Mountains, UT	HH[ZEN]	3	UU	38° 27.53′	112° 51.68′	1840	40T	ANSS-130	Digital	Utah

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
FORW	Milford Wind Farm, UT	EN[ZEN]	3	UU	38° 33.76′	112° 56.21′	1516	EpiSensor	Obsidian	Digital	Utah
FPU	Francis Peak, UT	EHZ	1	UU	41° 01.58′	111° 50.21′	2816	L4C	PSN	Analog	USGS
FSB1	FORGE surface borehole 1, UT	DN[Z12]	3	UU	38° 29.10′	112° 53.48′	1697	Titan	Centaur	Digital	Utah
		EN[Z12]	3								
		HH[Z12]	3					Compact			
FSB2	FORGE surface borehole 2, UT	DN[Z12]	3	UU	38° 30.44′	112° 54.98′	1587	Titan	Centaur	Digital	Utah
		EN[Z12]	3								
		HH[Z12]	3					Compact			
FSB3	FORGE surface borehole 3, UT	DN[Z12]	3	UU	38° 30.80′	112° 52.84′	1701	Titan	Centaur	Digital	Utah
		EN[Z12]	3								
		HH[Z12]	3					Compact			
FSU	Fish Springs, UT	EHZ	1	UU	39° 43.35′	113° 23.48′	1487	18300	PSN	Analog	Utah
FTT	Fire Training Tower, Magna, UT	EN[ZEN]	3	UU	40° 41.16′	112° 04.99′	1381	EpiSensor	Etna2	Digital	ANSS
GAWY	Genesis Alkali Granger, WY	HH[ZEN]	3	UU	41° 44.43′	109° 51.13′	2011	Trillium 120	Centaur	Digital	Utah
GBI	Big Grassy Butte, ID	HH[ZEN]	3	IE	43° 59.22′	112° 03.78′	1541	*	*	Digital	INL
GCAZ	Grand Canyon, AZ	EHZ	1	AR	36° 03.51′	112° 11.02′	2072	*	*	Analog	NAU
GMO	Grantsville Maintenance Office, Grantsville, UT	EN[ZEN]	3	UU	40° 36.04′	112° 28.48′	1320	EpiSensor	Etna2	Digital	ANSS
GMU	Granite Mountain, UT	EH[ZEN]	3	UU	40° 34.53′	111° 45.79′	1829	S13	PSN	Analog	USGS
GRRI	Grays Lake, ID	EHZ	1	IE	42° 56.28′	111° 25.32′	2207	*	*	Digital	INL
GZU	Grizzly Peak, UT	EH[ZEN]	3	UU	41° 25.53′	111° 58.50′	2646	S13	Obsidian	Digital	USGS
		EN[ZEN]	3					EpiSensor			
HAFB	Hill Air Force Base, Hill AFB, UT	EN[ZEN]	3	UU	41° 07.07′	111° 58.55′	1471	EpiSensor	Etna2	Digital	Utah
HCSU	Hobble Creek, Springville, UT	EHZ	1	UU	40° 12.40′	111° 30.14′	1789	L4C	Basalt	Digital	Utah, USGS
		EN[ZEN]	3					EpiSensor			
HDU	Hyde Park, UT	EHZ	1	UU	41° 48.18′	111° 45.99′	1807	L4C	PSN	Analog	USGS
HEB	Heber, UT	EHZ	1	UU	40° 30.09′	111° 20.15′	1925	S13	PSN	Analog	Utah
HER	Herriman Fire Station Herriman, UT	EN[ZEN]	3	UU	40° 30.94′	112° 01.85′	1502	EpiSensor	Etna2	Digital	ANSS
HES	Hooper Elementary School Hooper, UT	EN[ZEN]	3	UU	41° 09.89′	112° 07.30′	1292	EpiSensor	K2	Digital	ANSS
HHAI	Hell′s Half Acre, ID	HH[Z12]	3	IE	43° 17.70′	112° 22.74′	1371	*	*	Digital	INL
HHS	Hurricane High School, UT	EN[ZEN]	3	UU	37° 10.43′	113° 17.74′	987	EpiSensor	Etna2	Digital	Utah
HLID	Hailey, ID	BH[ZEN]	3	US	43° 33.75′	114° 24.83′	1772	*	*	Digital	USGS
HLJ	Hailstone, UT	EHZ	1	UU	40° 36.64′	111° 24.05′	1931	S13	PSN	Analog	Utah
		EN[ZEN]	3					FBA23	K2	Digital	
HMU	Henry Mountain, UT	HH[ZEN]	3	UU	37° 56.28′	110° 44.51′	2430	Trillium 120	Q330	Digital	Utah
		EN[ZEN]	3					EpiSensor			

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
HRU	Hogsback Ridge, UT	EHZ	1	UU	40° 47.67′	111° 53.14′	1620	L4C	PSN	Analog	USGS
		EN[ZEN]	3					EpiSensor	Obsidian	Digital	ANSS
HTU	Hoyt, UT	EHZ	1	UU	40° 40.52′	111° 13.21′	2576	L4C	PSN	Analog	USGS
		EHZ	1						Basalt	Digital	
		EN[ZEN]	3					EpiSensor			
HVU	Hansel Valley, UT	HH[ZEN]	3	UU	41° 46.78′	112° 46.50′	1609	Trillium 120	Q330	Digital	USGS
		EN[ZEN]	3					EpiSensor			
HWUT	Hardware Ranch, UT	BH[ZEN]	3	US	41° 36.41′	111° 33.91′	1830	*	*	Digital	USGS
IAE	Cedar City, Iron County Adult Education, UT	EN[ZEN]	3	UU	37° 39.91′	113° 40.02′	1807	EpiSensor	Etna	Digital	Utah
ICF	International Center Fire Station, Salt Lake City, UT	EN[ZEN]	3	UU	40° 46.69′	112° 01.72′	1281	EpiSensor	Etna2	Digital	ANSS
ICU	Indian Springs Canyon, UT	EHZ	1	UU	37° 08.98′	113° 55.41′	1451	S13	PSN	Analog	Utah
IMU	Iron Mountain, UT	EHZ	1	UU	38° 37.99′	113° 09.50′	1833	L4C	PSN	Analog	Utah
IMW	Indian Meadows, WY	BH[ZEN]	3	IW	43° 53.58′	110° 56.58′	2670	3ESP	RT-130	Digital	ANSS
ISCO	Idaho Springs, CO	BH[ZEN]	3	US	39° 47.98′	105° 36.80′	2743	STS-2	Q330	Digital	ANSS
JRP	Jordan River State Park Salt Lake City, UT	EN[ZEN]	3	UU	40° 49.54′	111° 56.66′	1284	EpiSensor	Etna2	Digital	ANSS
JVW2	Murray City Parkway Golf Course, Murray, UT	EN[ZEN]	3	UU	40° 37.90′	111° 55.15′	1310	EpiSensor	Etna2	Digital	ANSS
KEUT	Kanab Elementary School, UT	EN[ZEN]	3	UU	37° 03.02′	112° 31.76′	1514	PA-23	SMART-24	Digital	Utah
KLJ	Keetley, UT	EHZ	1	UU	40° 37.85′	111° 24.30′	1992	S13	PSN	Analog	Utah
KNB	Kanab, UT	HH[ZEN]	3	UU	37° 01.00′	112° 49.34′	1715	Trillium 120	Centaur	Digital	Utah. ANSS, LLNL
		EN[ZEN]	3					EpiSensor			
LCMT	Little Creek Mountain, UT	HH[ZEN]	3	UU	37° 00.71′	113° 14.63′	1411	3T	SMART-24	Digital	Utah
		EN[ZEN]	3					PA-23			
LCU	Little Cottonwood, UT	EN[ZEN]	3	UU	40° 34.41′	111° 47.91′	1571	EpiSensor	Etna2	Digital	ANSS
LDJ	Lady, UT	EHZ	1	UU	40° 34.89′	111° 24.52′	2217	S13	PSN	Analog	Utah
LEVU	Levan, UT	EHZ	1	UU	39° 30.39′	111° 48.88′	1996	L4C	Basalt	Digital	USGS
		EN[ZEN]	3					EpiSensor			
LGC	Lakeside Golf Course Bountiful, UT	EN[ZEN]	3	UU	40° 54.04′	111° 54.51′	1292	EpiSensor	Etna2	Digital	ANSS
LHUT	Little Humpy Peak, UT	EHZ	1	UU	40° 53.49′	110° 59.78′	3084	S13	PSN	Analog	Utah
LIUT	Lila Canyon, UT	HH[ZEN]	3	UU	39° 25.45′	110° 19.51′	2178	Trillium 120	Centaur	Digital	Utah
LKC	Lee Kay Hunter Education Center Magna, UT	EN[ZEN]	3	UU	40° 43.62′	112° 02.14′	1289	EpiSensor	Etna2	Digital	ANSS
LKWY	Lake, WY	BH[ZEN]	3	US	44° 33.91′	110° 24.00′	2424	*	*	Digital	USGS
LMUT	Lake Mountain, UT	EN[ZEN]	3	UU	40° 15.69′	111° 55.69′	2330	EpiSensor	Etna2	Digital	ANSS
LOHW	National Elk Refuge, WY	BH[Z12]	3	IW	43° 36.76′	110° 36.30′	2245	3ESP	RT-130	Digital	ANSS

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
LRG	Logan River Golf Course Logan, UT	EN[ZEN]	3	UU	41° 42.82′	111° 51.08′	1362	EpiSensor	Etna2	Digital	ANSS
LSU	Lake Shores, UT	EN[ZEN]	3	UU	40° 07.94′	111° 43.80′	1375	EpiSensor	Etna2	Digital	ANSS
LTU	Little Mountain, UT	EHZ	1	UU	41° 35.51′	112° 14.83′	1585	L4C	PSN	Analog	USGS
		EHZ	1						Basalt	Digital	
		EN[ZEN]	3					EpiSensor			
MAB	Mapleton Ambulance Building Mapleton, UT	EN[ZEN]	3	UU	40° 07.85′	111° 34.67′	1440	EpiSensor	Etna2	Digital	ANSS
MCID	Moose Creek, ID	EHZ	1	WY	44° 11.45′	111° 11.03′	2137	L4C	PSN	Analog	USGS
MCU	Monte Cristo Peak, UT	EN[ZEN]	3	UU	41° 27.70′	111° 30.45′	2664	Titan	Centaur	Digital	USGS
		HH[ZEN]	3					Trillium 120			
MGCU	Grand County Courthouse, Moab, UT	EN[ZEN]	3	UU	38° 34.46′	109° 32.89′	1241	EpiSensor	K2	Digital	Utah
MHD	Mile High Drive, UT	EHZ	1	UU	40° 39.64′	111° 48.05′	1597	Ranger	Basalt	Digital	USGS
		EN[ZEN]	3					EpiSensor			
MHS2	Milford High School, UT	EN[ZEN]	3	UU	38° 23.97′	113° 00.78′	1529	EpiSensor	Etna2	Digital	Utah
MID	Middle Canyon, UT	EN[ZEN]	3	UU	40° 31.04′	112° 15.28′	1722	EpiSensor	Etna2	Digital	ANSS
MLI	Malad Range, ID	EHZ	1	UU	42° 01.61′	112° 07.53′	1896	L4C	Basalt	Digital	USGS
		EN[ZEN]	3					EpiSensor			
MMU	Miners Mountain, UT	EHZ	1	UU	38° 11.57′	111° 17.66′	2387	S13	PSN	Analog	Utah
MOMT	Monida, MT	EHZ	1	MB	44° 35.60′	112° 23.66′	2220	*	*	Analog	MBMT
MOOW	Moose Ponds, WY	BH[Z12]	3	IW	43° 44.92′	110° 44.69′	2128	*	*	Digital	ANSS
MOR	Morgan, UT	EN[ZEN]	3	UU	41° 02.77′	111° 39.94′	1633	Applied Mems	ANSS-130	Digital	ANSS
MOUT	Mount Ogden, UT	EN[ZEN]	3	UU	41° 11.94′	111° 52.73′	2743	Titan	Centaur	Digital	USGS
		HH[ZEN]	3					Trillium 120			
MPU	Maple Canyon, UT	EN[ZEN]	3	UU	40° 00.93′	111° 38.00′	1909	EpiSensor	Centaur	Digital	ANSS USGS
		HH[ZEN]	3					Observer			
MSU	Marysvale, UT	EHZ	1	UU	38° 30.74′	112° 10.63′	2105	18300	PSN	Analog	Utah
MTPU	Mt. Pierson, UT	EN[ZEN]	3	UU	38° 02.49′	112° 11.06′	3112	EpiSensor	Q330	Digital	Utah
		HH[ZEN]	3					Trillium 120			
MTUT	Morton Thiokol, UT	EHZ	1	UU	41° 42.55′	112° 27.28′	1373	L4C	PSN	Analog	USGS
MVCO	Mesa Verde, CO	BH[ZEN]	3	US	37° 12.62′	108° 29.92′	2170	STS-2	Q330	Digital	ANSS
MVU	Marysvale, UT	BH[ZEN]	3	LB	38° 30.22′	112° 12.74′	2240	*	*	Digital	Sandia
NAI	North Antelope Island, UT	EN[ZEN]	3	UU	41° 00.97′	112° 13.68′	1472	EpiSensor	Etna2	Digital	ANSS
NAIU	North Antelope Island, UT	EHZ	1	UU	41° 00.97′	112° 13.68′	1472	L4C	PSN	Analog	USGS
NLU	North Lily Mine, UT	EN[ZEN]	3	UU	39° 57.29′	112° 04.50′	2036	EpiSensor	Centaur	Digital	ANSS
		HH[ZEN]	3					Trillium 120			
NMU	North Mineral Mountain, UT	EH[ZEN]	3	UU	38° 30.99′	112° 51.00′	1853	S13	PSN	Analog	Utah

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
NOQ	North Oquirrh Mountains, UT	EN[ZEN]	3	UU	40° 39.16′	112° 07.26′	1628	Titan	Centaur	Digital	ANSS
		HH[ZEN]	3					Trillium 120		Digital	USGS
NPI	North Pocatello, ID	EHZ	1	UU	42° 08.84′	112° 31.10′	1640	L4C	Basalt	Digital	ANSS
		EN[ZEN]	3					EpiSensor			
O20A	White River City, CO	BH[ZEN]	3	N4	40° 08.09′	108° 14.50′	1915	STS-2	Q330	Digital	NCF
OCP	Orem City Park, Orem, UT	EN[ZEN]	3	UU	40° 17.87′	111° 41.44′	1464	EpiSensor	Etna2	Digital	ANSS
OF2	Ogden Fire Station º 2 Ogden, UT	EN[ZEN]	3	UU	41° 13.70′	111° 56.92′	1358	EpiSensor	Etna2	Digital	ANSS
OPS	Ogden Public Safety Building, Ogden, UT	EN[ZEN]	3	UU	41° 13.72′	111° 58.54′	1317	EpiSensor	Etna2	Digital	ANSS
OSS	Oquirrh Sub Station, UT	EN[ZEN]	3	UU	40° 33.92′	112° 01.73′	1503	EpiSensor	Etna2	Digital	ANSS
OWUT	Old Woman Plateau, UT	EHZ	1	UU	38° 46.80′	111° 25.42′	2568	L4C	PSN	Analog	Utah
PCCW	Pine Creek, Cokeville, WY	EHZ	1	UU	42° 05.97′	110° 52.36′	1996	L4C	Basalt	Digital	Utah, USGS
		EN[ZEN]	3					EpiSensor			
PCL	Plain City Landfill Plain City, UT	EN[ZEN]	3	UU	41° 18.60′	112° 06.00′	1290	EpiSensor	Etna2	Digital	ANSS
PCR	Park City Recreation Center, Park City, UT	EN[ZEN]	3	UU	40° 39.25′	111° 30.19′	2100	EpiSensor	Etna2	Digital	ANSS
PEUT	Pahvant Elementary School, Richfield, UT	EN[ZEN]	3	UU	38° 46.55′	112° 05.32′	1644	PA-23	SMART-24	Digital	Utah
PGA	Page, AZ	EHZ	1	AR	36° 54.34′	111° 16.86′	1272	*	*	Analog	NAU
PGC	Pleasant Grove Creek, UT	EN[ZEN]	3	UU	40° 22.71′	111° 42.62′	1707	EpiSensor	Etna2	Digital	ANSS
PIO	Pioche, NV	HH[ZEN]	3	NN	37° 56.83′	114° 29.48′	1887	Trillium 120	Q330	Digital	UNR
PKCU	Pink Cliffs, UT	HH[ZEN]	3	UU	37° 26.63′	112° 18.66′	2834	Trillium 120	SMART-24	Digital	Utah
		EN[ZEN]	3					PA-23			
PNSU	Preston Nutter Ranch, Sunnyside, UT	HH[ZEN]	3	UU	39° 37.67′	110° 14.74′	2743	Trillium 240	Q330	Digital	Utah
		EN[ZEN]	3					EpiSensor			
PRN	Pahroc, Range, NV	HH[ZEN]	3	NN	37° 24.40′	115° 03.05′	1402	Trillium 120	ANSS-130	Digital	UNR
PSUT	Pine Spring, UT	HH[ZEN]	3	UU	38° 32.02′	113° 51.28′	1999	Trillium 120	Q330	Digital	Utah
		EN[ZEN]	3					EpiSensor			
PTI	Pocatello, ID	HH[ZEN]	3	IE	42° 52.20′	112° 22.21′	1670	*	*	Digital	INL
PTU	Portage, UT	EHZ	1	UU	41° 55.76′	112° 19.48′	2192	L4C	Basalt	Digital	ANSS
		EN[ZEN]	3					EpiSensor			
PV05	E. Island Mesa, Paradox Basin, CO	HH[ZEN]	3	RE	38° 08.87′	108° 50.08′	2142	*	*	Digital	USBR
PV11	Davis Mesa, Paradox Basin, CO	HH[ZEN]	3	RE	38° 17.96′	108° 52.33′	1881	*	*	Digital	USBR
PV15	Pinto Mesa, Paradox Basin, CO	HH[ZEN]	3	RE	38° 20.51′	108° 28.66′	2280	*	*	Digital	USBR
PV21	Cone Mountain, Paradox Basin, CO	HH[ZEN]	3	RE	38° 33.67′	108° 58.50′	2235	*	*	Digital	USBR
Q12A	Willow Creek Ranch, Ely, NV	HH[ZEN]	3	NN	39° 02.40′	114° 19.88′	1625	Trillium 120	Q330	Digital	UNR
QBHW	Bridle Trail Rd, Draper, UT	HN[ZEN]	3	UU	40° 30.23′	111° 51.35′	1400	Gsig-AC63	Gsig-GMS	Digital	ANSS

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
QCSP	White Pine Dr., Tooele, UT	HN[ZEN]	3	UU	40° 32.75′	112° 16.56′	1538	Gsig-AC63	Gsig-GMS	Digital	ANSS
QCWC	E 2100 S, Salt Lake City, UT	HN[ZEN]	3	UU	40° 43.54′	111° 49.94′	1373	Gsig-AC63	Gsig-GMS	Digital	ANSS
QDPS	Dept of Public Safety Univ. of Utah, Salt Lake City, UT	HN[ZEN]	3	UU	40° 45.60′	111° 50.46′	1460	Gsig-AC63	Gsig-GMS	Digital	ANSS
QFTG	N 450 E St., Springville, UT	HN[ZEN]	3	UU	40° 10.42′	111° 36.12′	1395	Gsig-AC63	Gsig-GMS	Digital	ANSS
QJHW	Red Rock Ranch, Teton County, WY	HN[ZEN]	3	UU	43° 34.99′	110° 24.65′	2169	Gsig-AC63	Gsig-GMS	Digital	ANSS
QJMH	S 900 E, Salt Lake City, UT	HN[ZEN]	3	UU	40° 42.21′	111° 51.97′	1312	Gsig-AC63	Gsig-GMS	Digital	ANSS
QJOT	Whileaway Rd., Snyderville, UT	HN[ZEN]	3	UU	40° 44.50′	111° 41.68′	1977	Gsig-AC63	Gsig-GMS	Digital	ANSS
QKSL2	Lehi, UT	HN[ZEN]	3	UU	40° 15.98′	111° 50.07′	1371	Gsig-AC63	Gsig-GMS	Digital	ANSS
QLIN	884 E 490 N, Lindon, UT	HN[ZEN]	3	UU	40° 20.83′	111° 29.63′	1538	Gsig-AC63	Gsig-GMS	Digital	ANSS
QLMT	Earthquake Lake, MT	EHZ	1	MB	44° 49.84′	111° 25.80′	2064	*	*	Analog	MBMT
QMDS	S 2600 E, Salt Lake City, UT	HN[ZEN]	3	UU	40° 43.74′	111° 48.97′	1405	Gsig-AC63	Gsig-GMS	Digital	ANSS
QNRL	E 500 N, Logan, UT	HN[ZEN]	3	UU	40° 44.44′	111° 49.49′	1407	Gsig-AC63	Gsig-GMS	Digital	ANSS
QOGD	1723 N 900 E, North Ogden, UT	HN[ZEN]	3	UU	41° 17.38′	111° 57.11′	1361	Gsig-AC63	Gsig-GMS	Digital	ANSS
QPAY	N 300 E Payson, UT	HN[ZEN]	3	UU	40° 03.18′	111° 43.70′	1404	Gsig-AC63	Gsig-GMS	Digital	ANSS
QPML	S Whitesides St., Layton, UT	HN[ZEN]	3	UU	40° 03.47′	111° 57.23′	1334	Gsig-AC63	Gsig-GMS	Digital	ANSS
QRJG	N 1450 E, Provo, UT	HN[ZEN]	3	UU	40° 15.65′	111° 37.96′	1530	Gsig-AC63	Gsig-GMS	Digital	ANSS
QSAR2	Saratoga Springs, UT	HN[ZEN]	3	UU	40° 20.17′	111° 55.43′	1420	Gsig-AC63	Gsig-GMS	Digital	ANSS
QSPA	520 S, Spanish Fork, UT	HN[ZEN]	3	UU	40° 17.47′	111° 52.95′	1413	Gsig-AC63	Gsig-GMS	Digital	ANSS
QSTV	S City Vistas Way, Kearns, UT	HN[ZEN]	3	UU	40° 40.25′	112° 02.18′	1416	Gsig-AC63	Gsig-GMS	Digital	ANSS
QSUN	1412 N 350 W, Sunset, UT	HN[ZEN]	3	UU	41° 08.04′	112° 01.97′	1373	Gsig-AC63	Gsig-GMS	Digital	ANSS
QUGS	240 N Redwood Road, SLC, UT	HN[ZEN]	3	UU	40° 46.45′	111° 56.32′	1300	Gsig-AC63	Gsig-GMS	Digital	ANSS
R11B	Troy Canyon, Currant, NV	HH[ZEN]	3	NN	38° 20.93′	115° 35.12′	1756	STS-5A	Q330	Digital	UNR
RBU	Red Butte Canyon, UT	EHZ	1	UU	40° 46.85′	111° 48.50′	1676	L4C	Basalt	Digital	USGS
		EN[ZEN]	3					EpiSensor			
RCJ	Ross Creek, UT	EHZ	1	UU	40° 39.51′	111° 26.36′	2090	S13	PSN	Analog	Utah
RDMU	Red Mountain, UT	HH[ZEN]	3	UU	40° 34.25′	109° 34.17′	2087	Trillium 120	SMART-24	Digital	Utah
		EN[ZEN]	3					PA-23			
REDW	Red-Top Meadows, WY	BH[ZEN]	3	IW	43° 21.74′	110° 51.18′	2322	3ESP	RT-130	Digital	ANSS
REUT	Washington Fields, Riverside Elementary School, UT	EN[ZEN]	3	UU	37° 05.86′	113° 31.16′	791	PA-23	SMART-24	Digital	Utah
RLMT	Red Lodge, MT	BH[12Z]	3	US	45° 07.33′	109° 16.04′	2086	STS-2	Q330	Digital	ANSS
ROA	Roan Cliffs, UT	EHZ	1	UU	39° 39.69′	110° 21.88′	2962	S13	PSN	Analog	Utah
RPF	Rose Park Fire Station, Salt Lake City, UT	EN[ZEN]	3	UU	40° 46.52′	111° 55.22′	1287	Applied Mems	ANSS-130	Digital	ANSS
RRCU	Rees Ranch, Coalville, UT	EHZ	1	UU	40° 53.21′	111° 26.22′	2028	L4C	Basalt	Digital	Utah, USGS
		EN[ZEN]	3					EpiSensor			
RSUT	Red Spur, UT	EHZ	1	UU	41° 38.31′	111° 25.90′	2682	S13	Basalt	Digital	USGS
		EN[ZEN]	3					EpiSensor			

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
RWWY	Rawlins, WY	BH[ZEN]	3	IW	41° 41.33′	107° 12.61′	2402	3ESP	RT-130	Digital	ANSS
SAIU	South Antelope Island, UT	EHZ	1	UU	40° 51.29′	112° 10.89′	1384	L4C	PSN	Analog	USGS
		EHZ	1						Basalt	Digital	
		EN[ZEN]	3					EpiSensor			
SCC	Salt Lake Community College, SLC UT Salt Lake City, UT	EN[ZEN]	3	UU	40° 40.49′	111° 56.37′	1306	EpiSensor	Etna2	Digital	ANSS
SCS	Syracuse City Cemetery Shop Syracuse, UT	EN[ZEN]	3	UU	41° 05.73′	112° 02.81′	1321	EpiSensor	Etna2	Digital	ANSS
SCUT	Santa Clara, UT	EN[ZEN]	3	UU	37° 07.69′	113° 38.68′	837	EpiSensor	Etna2	Digital	Utah
SCY	Salem City Yard, Salem, UT	EN[ZEN]	3	UU	40° 03.47′	111° 41.14′	1386	Applied Mems	ANSS-130	Digital	ANSS
SGSU	St. George Fire Station #4, UT	EN[ZEN]	3	UU	38° 16.61′	112° 38.42′	1799	PA-23	SMART-24	Digital	Utah
SGU	Sterling, UT	EHZ	1	UU	39° 10.94′	111° 38.68′	2357	18300	PSN	Analog	USGS
SHP	Sheep Range, NV	HH[ZEN]	3	NN	36° 30.33′	115° 09.61′	1590	Trillium 120	ANSS-130	Digital	UNR
SJF	South Jordan Fire Station, South Jordan, UT	EN[ZEN]	3	UU	40° 33.37′	111° 56.34′	1356	EpiSensor	Obsidian	Digital	ANSS
SKII	Z, ID	HH[ZEN]	3	IE	43° 19.21′	111° 55.79′	2082	*	*	Digital	INL
SMAZ	Slide Mountain, AZ	EHZ	1	AR	36° 19.29′	113° 10.14′	2200	*	*	Analog	NAU
SNO	Snow College, UT	EHZ	1	UU	39° 19.18′	111° 32.33′	2503	Ranger	PSN	Analog	Utah
SNOW	Snowking Mountain, WY	BH[ZEN]	3	IW	43° 27.75′	110° 45.31′	2390	*	*	Digital	ANSS
SNUT	Stansbury North, UT	EHZ	1	UU	40° 53.10′	112° 30.52′	1652	18300	PSN	Analog	USGS
		EHZ	1						Basalt	Digital	
		EN[ZEN]	3					EpiSensor			
SPR2	Wildlife Resource Center Springville, UT	EN[ZEN]	3	UU	40° 10.95′	111° 36.69′	1382	EpiSensor	Etna2	Digital	ANSS
SPR3	Spring Creek 3, NV	HH[ZEN]	3	NN	38° 59.93′	114° 19.88′	2815	Trillium 120	RT-130	Digital	UNR
SPS	Stansbury Park Sewage Lagoon Stansbury Park, UT	EN[ZEN]	3	UU	40° 38.97′	112° 18.95′	1293	EpiSensor	Etna2	Digital	ANSS
SPU	South Promontory Point, UT	EN[ZEN]	3	UU	41° 18.52′	112° 26.95′	2086	EpiSensor	ANSS-130	Digital	ANSS
		HH[ZEN]	3					3ESP			
SRU	San Rafael Swell, UT	EHZ	1	UU	39° 06.65′	110° 31.43′	1804	S13	PSN	Analog	Utah, ANSS, IRIS
		HH[ZEN]	3					STS-2	ANSS-130	Digital	
		EN[ZEN]	3					EpiSensor			
SSC	Sandy Senior Center Sandy, UT	EN[ZEN]	3	UU	40° 34.89′	111° 51.35′	1414	EpiSensor	Etna2	Digital	ANSS
SUU	Santaquin Canyon, UT	EH[ZEN]	3	UU	39° 53.29′	111° 47.45′	2024	S13	Obsidian	Digital	USGS
		EN[ZEN]	3					EpiSensor			
SVWY	Solvay Mine, WY	HH[ZEN]	3	UU	41° 27.02′	109° 51.88′	1950	Trillium 120	Centaur	Digital	Utah

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
SWUT	Soap Wash, Delta, UT	EN[ZEN]	3	UU	39° 19.72′	113° 11.72′	1644	EpiSensor	Q330	Digital	Utah
		HH[ZEN]	3					Trillium 120			
SZCU	Shurtz Canyon, UT	HH[ZEN]	3	UU	37° 35.72′	113° 05.25′	2026	3T	SMART-24	Digital	Utah
		EN[ZEN]	3					PA-23			
TCMU	Timpanogos Cave Mouth, UT	EHZ	1	UU	40° 26.26′	111° 42.71′	2045	L4C	Basalt	Digital	Utah
		EN[ZEN]	3					EpiSensor			
TCRU	Three Creeks Reservoir, UT	HH[ZEN]	3	UU	38° 36.57′	112° 26.83′	2293	Trillium 120	SMART-24	Digital	Utah
		EN[ZEN]	3					PA-23			
TCU	Toone Canyon, UT	EN[ZEN]	3	UU	41° 07.04′	111° 24.47′	2269	EpiSensor	ANSS-130	Digital	ANSS
		HH[ZEN]	3					3ESP			
TCUT	Toone Canyon, UT	EHZ	1	UU	41° 07.07′	111° 24.51′	2320	L4C	PSN	Analog	USGS
TMI	Taylor Mountain, ID	EHZ	1	IE	43° 18.30′	111° 55.08′	2179	*	*	Digital	INL
TMU	Trail Mountain, UT	HH[ZEN]	3	UU	39° 17.79′	111° 12.49′	2731	Observer	ANSS-130	Digital	Utah, ANSS
		EN[ZEN]	3					EpiSensor			
TPAW	Teton Pass, WY	BH[ZEN]	3	IW	43° 29.41′	110° 57.04′	2512	3ESP	RT-130	Digital	ANSS
TPH	Tonopah, NV	BH[ZEN]	3	LB	38° 04.50′	117° 13.35′	1883	3ESP	Q330	Digital	Sandia
TPMT	Teepe Creek, MT	EHZ	1	MB	44° 43.79′	111° 39.94′	2518	*	*	Analog	MBMT
TPNV	Topopah Spring, NV	BH[ZEN]	3	US	36° 56.93′	116° 14.97′	1600	*	*	Digital	USGS
TPU	Thanksgiving Point, Lehi, UT	EN[ZEN]	3	UU	40° 25.81′	111° 54.13′	1383	EpiSensor	Etna2	Digital	ANSS
TRS	Tooele County Radio Shop, Tooele, UT	EN[ZEN]	3	UU	40° 30.83′	112° 18.63′	1568	EpiSensor	Etna2	Digital	ANSS
U15A	North Rim, AZ	BH[ZEN]	3	AE	36° 25.80′	112° 17.40′	2489	Trillium 240	Q330	Digital	AZGS
UHP	Utah Highway Patrol Farmington, UT	EN[ZEN]	3	UU	40° 59.47′	111° 53.88′	1295	EpiSensor	Etna2	Digital	ANSS
UTH	Uintah Town Hall, Uintah, UT	EN[ZEN]	3	UU	41° 08.65′	111° 55.52′	1389	EpiSensor	Etna2	Digital	ANSS
UUE	University of Utah EMCB Bldg. Salt Lake City, UT	EN[ZEN]	3	UU	40° 46.09′	111° 50.77′	1449	EpiSensor	Etna2	Digital	ANSS
V12A	Nelson, NV	HH[ZEN]	3	NN	35° 44.00′	114° 51.07′	1098	Trillium 120	Q330	Digital	UNR
VEC	Valley Emergency Communications Center West Valley City, UT	EN[ZEN]	3	UU	40° 39.21′	112° 01.95′	1480	EpiSensor	Basalt	Digital	ANSS
VNL	Vernal, UT	EN[ZEN]	3	UU	40° 27.48′	109° 32.89′	1648	EpiSensor	Obsidian	Digital	Utah
VRUT	Veyo Road, Veyo, UT	HH[ZEN]	3	UU	37° 27.71′	113° 51.41′	1874	Trillium 120	SMART-24	Digital	Utah
		EN[ZEN]	3					PA-23			
W13A	Hualapai Mountain Park, Kingman, AZ	BH[ZEN]	3	AE	35° 06.00′	113° 53.40′	1988	3T	Q330	Digital	AZGS
WBC	Weber Canyon, UT	EN[ZEN]	3	UU	41° 08.38′	111° 54.05′	1602	EpiSensor	Etna2	Digital	ANSS
WCF	Wellsville Fire Station, Wellsville, UT	EN[ZEN]	3	UU	41° 38.37′	111° 55.94′	1387	EpiSensor	Etna2	Digital	ANSS
WCO	Washington City Office Building, UT	EN[ZEN]	3	UU	37° 07.91′	113° 30.56′	837	EpiSensor	Etna	Digital	Utah

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
WCU	Willow Creek, UT	EHZ	1	UU	38° 57.88′	112° 05.44′	2673	18300	PSN	Analog	USGS
		EHZ	1						Basalt	Digital	
		EN[ZEN]	3					EpiSensor			
WDO	Saint George, Washington County School District Office, UT	EN[ZEN]	3	UU	37° 06.46′	113° 35.19′	831	PA-23	SMART-24	Digital	Utah
WES	Westminster College Salt Lake City, UT	EN[ZEN]	3	UU	40° 43.97′	111° 51.26′	1341	EpiSensor	Etna2	Digital	ANSS
WHS	West High School, SLC UT Salt Lake City, UT	EN[ZEN]	3	UU	40° 46.51′	111° 53.93′	1301	EpiSensor	Etna2	Digital	ANSS
WMUT	West Mountain, UT	EHZ	1	UU	40° 04.60′	111° 50.00′	1981	L4C	PSN	Analog	USGS
		EHZ	1						Basalt	Digital	
		EN[ZEN]	3					EpiSensor			
WPUT	Wasatch Plateau, UT	HH[ZEN]	3	UU	38° 59.85′	111° 21.53′	2618	Trillium 120	Taurus	Digital	Utah
WRP	Water Reclamation Plant Salt Lake City, UT	EN[ZEN]	3	UU	40° 48.82′	111° 55.87′	1286	EpiSensor	Etna2	Digital	ANSS
WTNK	7433 Soaring Heights, NV	HH[ZEN]	3	NN	36° 11.50′	115° 00.64′	676	3ESP	ANSS-130	Digital	UNR
WTU	Western Traverse Mountains, UT	EH[ZEN]	3	UU	40° 27.29′	111° 57.21′	1552	S13	PSN	Analog	USGS
		EN[ZEN]	3					EpiSensor	Etna2	Digital	
WUAZ	Wupatki, AZ	BH[ZEN]	3	US	35° 31.01′	111° 22.43′	1592	*	*	Digital	USGS
WVUT	Wellsville, UT	EHZ	1	UU	41° 36.61′	111° 57.55′	1828	L4C	PSN	Analog	USGS
YDC	Denny Creek, MT	EHZ	1	WY	44° 42.51′	111° 14.60′	2025	L4C	PSN	Analog	USGS
YDD	Grant Junction, Yellowstone, WY	HH[ZEN]	3	WY	44° 24.00′	110° 34.80′	2400	STS-2	Q330	Digital	USGS
		EN[ZEN]	3					EpiSensor			
YEE	East Entrance (YNP), WY	HH[ZEN]	3	WY	44° 29.12′	109° 53.81′	2270	Compact	Centaur	Digital	USGS
YFT	Old Faithful (YNP), WY	HH[ZEN]	3	WY	44° 27.05′	110° 50.24′	2292	Compact	Centaur	Digital	USGS
		EN[ZEN]	3					Titan			
YGC	Grayling Creek, MT	EHZ	1	WY	44° 47.77′	111° 06.45′	2075	L4C	PSN	Analog	USGS
YHB	Horse Butte, MT	EHZ	1	WY	44° 45.07′	111° 11.71′	2157	L4C	PSN	Analog	USGS
		HH[ZEN]	3					Compact	ANSS-130	Digital	
		EN[ZEN]	3					Titan			
YHH	Holmes Hill (YNP), WY	EHZ	1	WY	44° 47.30′	110° 51.03′	2717	S13	PSN	Analog	USGS
		HH[ZEN]	3					Trillium 120	Q330	Digital	
		EN[ZEN]	3					Titan			
YHL	Hebgen Lake, MT	HH[ZEN]	3	WY	44° 51.05′	111° 10.98′	2691	Trillium 120	Q330	Digital	USGS
		EN[ZEN]	3					Titan			
YHR	Hawk's Rest, WY	HH[ZEN]	3	WY	44° 06.36′	110° 04.90′	2976	Trillium 120	Q330	Digital	USGS
YJC	Joseph′s Coat (YNP), WY	EH[ZEN]	3	WY	44° 45.33′	110° 20.95′	2684	S13	PSN	Analog	USGS
YLA	Lake Butte (YNP), WY	EHZ	1	WY	44° 30.76′	110° 16.12′	2580	L4C	PSN	Analog	USGS
YLT	Little Thumb Creek (YNP), WY	EHZ	1	WY	44° 26.25′	110° 35.28′	2439	L4C	PSN	Analog	USGS

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
YMC	Maple Creek (YNP), WY	EH[ZEN]	3	WY	44° 45.53′	111° 00.41′	2073	S13	PSN	Analog	USGS
YML	Mary Lake (YNP), WY	EH[ZEN]	3	WY	44° 36.20′	110° 38.63′	2653	L4C	PSN	Analog	USGS
YMP	Mirror Plateau (YNP), WY	EHZ	1	WY	44° 44.38′	110° 09.40′	2774	S13	PSN	Analog	USGS
		HH[ZEN]	3					Trillium 120	Q330	Digital	
		EN[ZEN]	3					Titan			
YMR	Madison River (YNP), WY	HH[ZEN]	3	WY	44° 40.12′	110° 57.90′	2149	Trillium 120	Q330	Digital	USGS
		EN[ZEN]	3					Titan			
YMS	Mount Sheridan (YNP), WY	EHZ	1	WY	44° 15.84′	110° 31.67′	3106	L4C	PSN	Analog	USGS
YMV	Mammoth Vault (YNP), WY	EHZ	1	WY	44° 58.42′	110° 41.33′	1829	L4C	PSN	Analog	USGS
YNE	Northeast Entrance (YNP), WY	HH[ZEN]	3	WY	45° 00.46′	110° 00.48′	2343	Compact	ANSS-130	Digital	USGS
YNM	Norris Museum (YNP), WY	HH[ZEN]	3	WY	44° 43.59′	110° 42.22′	2311	Trillium 240	Q330	Digital	USGS
YNR	Norris Junction (YNP), WY	HH[ZEN]	3	WY	44° 42.93′	110° 40.75′	2336	Trillium 120	Q330	Digital	USGS
		EN[ZEN]	3					Titan			
YPC	Pelican Cone (YNP), WY	EHZ	1	WY	44° 38.88′	110° 11.55′	2932	L4C	PSN	Analog	USGS
YPK	Parker Peak (YNP), WY	EH[ZEN]	3	WY	44° 43.91′	109° 55.32′	2897	L4C	PSN	Analog	USGS
YPM	Purple Mountain (YNP), WY	EHZ	1	WY	44° 39.43′	110° 52.12′	2582	L4C	PSN	Analog	USGS
YPP	Pitchstone Plateau (YNP), WY	EHZ	1	WY	44° 16.26′	110° 48.27′	2707	S13	PSN	Analog	USGS
		HH[ZEN]	3					Trillium 120	Q330	Digital	
		EN[ZEN]	3					Titan			
YSB	Soda Butte (YNP), WY	EHZ	1	WY	44° 53.04′	110° 09.06′	2072	L4C	PSN	Analog	USGS
YTP	The Promontory (YNP), WY	EHZ	1	WY	44° 23.51′	110° 17.10′	2384	L4	PSN	Analog	USGS
		HH[ZEN]	3					Trillium 120	Q330	Digital	
		EN[ZEN]	3					Titan			
YUF	Upper Falls (YNP), WY	HH[ZEN]	3	WY	44° 42.76′	110° 30.71′	2394	Trillium 120	Centaur	Digital	USGS
		EN[ZEN]	3					Titan			
YWB	West Boundary (YNP), WY	EHZ	1	WY	44° 36.35′	111° 06.05′	2310	L4C	PSN	Analog	USGS
ZNPU	Zion National Park, UT	HH[ZEN]	3	UU	37° 21.37′	113° 07.52′	1953	Trillium 120	Q330	Digital	Utah
		EN[ZEN]	3					EpiSensor			

* Station operated by another agency and recorded as part of University of Utah regional seismic network

Network Statistics: 1016 data channels from 347 stations were being recorded at the end of this report period

EXPLANATION OF TABLE

UURSN Code: Station code formerly used in routine processing. Because of software limitations, the station code may not be the station code used by the original operator. For multi-component stations, the vertical, east-west, and north-south high gain (low gain) components are identified by an appended Z(V), E(L), and N(M), respectively, in UUSS phase files.

Location: General description of station location. YNP = Yellowstone National Park.

SEED Station: The SEED (Standard for the Exchange of Earthquake Data) station code used by the original operator.

SEED Channel: The SEED format uses three letters to name seismic channels. See <<http://www.iris.edu/manuals/SEEDManual_V2.4.pdf>> for information about the SEED channel naming convention. Relevant sections are reproduced below. In the SEED convention, each letter describes one aspect of the instrumentation and its digitization. The first letter specifies the general sampling rate and the response band of the instrument. Band codes used in this table include:

Band Code	Band Type	Sample Rate	Corner Period
E	Extremely short period	≥ 80 Hertz	< 10 seconds
H	High broadband	≥ 80 Hertz	≥ 10 seconds
B	Broadband	≥ 10 to < 80 Hertz	≥10 seconds
S	Short period	≥ 10 to < 80 Hertz	< 10 seconds

The second letter specifies the family to which the sensor belongs. Sensor families used in this table are:

Instrument Code	Description
H	High gain seismometer
L	Low gain seismometer
N	Accelerometer

The third letter specifies the physical configuration of the members of a multiple axis instrument package. Channel orientations used in this table are:

Z E N Traditional (Vertical, East-West, North-South)

Number of Channels: Total number of waveform channels recorded.

Network Code: The FDSN (Federation of Digital Seismographic Networks) registered network code. See <<http://www.iris.edu/dms/nodes/dmc/services/network_codes>> for information about registered seismograph network codes. Network codes referenced in this table:

Network Code	Network name; Network operator or responsible organization
AE	Arizona Broadband Seismic Network, Arizona Geological Survey
AR	Northern Arizona Seismic Network, Northern Arizona University
IE	Idaho National Laboratory Seismic Network

IU	IRIS/USGS Network; USGS Albuquerque Seismological Laboratory
IW	Intermountain West Network, U.S. Geological Survey
LB	Leo Brady Network; Sandia National Laboratory
MB	Montana Regional Seismic Network; Montana Bureau of Mines and Geology
NN	Western Great Basin Network; University of Nevada, Reno
NP	National Strong Motion Network; U.S. Geological Survey
PB	Plate Boundary Observatory
RE	U.S. Bureau of Reclamation Seismic Networks; U.S. Bureau of Reclamation, Denver Federal Center
UU	University of Utah Regional Network; University of Utah
US	US National Network; USGS National Earthquake Information Center
WY	Yellowstone Wyoming Seismic Network; University of Utah

Latitude, Longitude: Sensor location in degrees and decimal minutes; North latitude, West longitude.

Elevation: Sensor altitude in meters above sea level.

Sensor	**Description**
L4, L4C	Mark Products L4 or L4C short-period seismometer
S13, 18300	Geotech S13 or 18300 short-period seismometer
Ranger	Kinemetrics Ranger short-period seismometer
40T	Guralp CMG-40T broadband seismometer
3T	Guralp CMG-3T broadband seismometer
3ESP	Guralp CMG-3ESP broadband seismometer
STS-2	Streckheisen STS-2 broadband seismometer
STS-5A	Streckheisen STS-5A broadband seismometer
FBA23	Kinemetrics FBA-23 accelerometer
EpiSensor	Kinemetrics EpiSensor accelerometer
Applied Mems	Applied Mems accelerometer
PA-23	Geotech PA-23 accelerometer
Compact	Nanometrics Compact broadband seismometer
Trillium 120	Nanometrics Trillium 120 broadband seismometer
Trillium 240	Nanometrics Trillium 240 broadband seismometer
Titan	Nanometrics Titan accelerometer
Observer	Refraction Technology (REF TEK) Model 151 Observer broadband seismometer
R147	Refraction Technology (REF TEK) Model 147 accelerometer
IESE-S2	Institute of Earth Science and Engineering S-2 model borehole seismometer
Gsig-AC63	Geosig-AC63 NetQuakes accelerometer
Omni-2400	Geospace OMNI-2400
Silicon-ULN	Silicon Audio Ultra Low Noise

Digitizer	**Description**
K2	Kinemetrics Altus Series K2 (19-bit resolution field digitizer)
Etna	Kinemetrics Altus Series Etna (18-bit resolution field digitizer)
72A-07	Refraction Technology (REF TEK) model 72A-07 (24-bit field digitizer)

72A-08	Refraction Technology (REF TEK) model 72A-08 (24-bit field digitizer)
ANSS-130	Refraction Technology (REF TEK) model 130-ANSS/02 (24-bit resolution field digitizer)
RT-130	Refraction Technology (REF TEK) model RT-130 (24-bit resolution field digitizer)
Q330	Quanterra, Inc. Q330 digitizer (24-bit resolution field digitizer)
SMART-24	Geotech SMART-24 digitizer (24-bit resolution field digitizer)
PSN	PSN-ADC-SERIAL version III (16-bit resolution field digitizer)
Basalt	Kinemetrics Basalt (24-bit resolution field digitizer)
Taurus	Nanometrics Taurus (24-bit resolution field digitizer)
Gsig-GMS	Geosig-GMS NetQuakes (24-bit resolution field digitizer)
Centaur	Nanometrics Centaur (24-bit resolution field digitizer)
Obsidian	Kinemetrics Obsidian (24-bit resolution field digitizer)
Etna2	Kinemetrics Etna 2 (24-bit resolution field digitizer)

Telemetry	**Description**
Analog	Data transmission is analog along part of the transmission pathway
Digital	Data are converted to digital form at the station site
None	On-site recording system

Sponsor (or Operator for stations marked by * in preceding columns)

USGS	U.S. Geological Survey
Utah	State of Utah
ANSS	Advanced National Seismic System
INL	Idaho National Laboratory
USBR	U.S. Bureau of Reclamation
LLNL	Lawrence Livermore National Laboratory
Sandia	Sandia National Laboratory
BYU-I	Brigham Young University, Idaho (formerly Ricks College)
MBMT	Montana Bureau of Mines and Geology
NSMP	National Strong Motion Project, U.S. Geological Survey
UNR	University of Nevada, Reno
AZGS	Arizona Geological Survey
NAU	Northern Arizona University
NSF	National Science Foundation
PBO	Plate Boundary Observatory

NETWORK CHANGES DURING JANUARY 1–MARCH 31, 2022

None