EARTHQUAKE ACTIVITY IN THE UTAH REGION

Preliminary Epicenters

July 1 – September 30, 2020

Prepared by the University of Utah Seismograph Stations and funded by
the U.S. Geological Survey (Cooperative Agreement No. G20AP00036) and
by the State of Utah

December 22, 2020

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 MDT.

- 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
July 1 – September 30, 2020

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During the three-month period July 1, 2020, through September 30, 2020, the University of Utah Seismograph Stations (UUSS) located 605 earthquakes within the Utah region (Figure 1). The total includes four earthquakes in the magnitude 3 range and 45 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. Three earthquakes were reported felt during the report period (see Table 1, a cumulative tabulation of earthquakes during 2020 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 3.8	July 21	03:44 MDT	14 mi ESE of Enterprise, UT
M_L 3.4	July 24	22:00 MDT	17 mi S of Colorado City, AZ
M_L 3.3	August 27	05:46 MDT	26 mi WNW of Green River, WY
M_L 3.4	September 16	09:26 MDT	12 mi SW of Uravan, CO

Other Notable Seismicity

During the report period, there were five 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 36 earthquakes ($0.1 \le M \le 2.6$) occurred about 15 mi SW of Corinne, UT. Seven of these events, including a magnitude 2.6 shock, occurred between July 26 and July 30.
B. A cluster of 142 earthquakes ($0.0 \le M \le 2.5$) occurred about 3 mi NE of Magna, UT. Seven of these events, including a magnitude 2.5 shock, occurred between July 24 and July 25.
C. A cluster of 13 earthquakes ($0.4 \le M \le 2.4$) occurred about 19 mi NNW of Beaver, UT. Seven of these events, including a magnitude 2.4 shock, occurred between September 13 and September 16.
D. A cluster of 18 earthquakes ($-0.5 \le M \le 1.6$) occurred about 10 mi NE of Milford, UT. Six of these events, including a magnitude 1.6 shock, occurred on July 27.
E. A cluster of 13 earthquakes ($1.0 \le M \le 2.4$) occurred about 13 mi WSW of Enterprise, UT. Seven of these events occurred between July 26 and July 29.
F. A cluster of 24 earthquakes ($0.8 \le M \le 3.8$) occurred about 15 mi E of Enterprise, UT. 12 of these events, including a magnitude 3.8 shock, occurred on July 21.

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 141 located shocks ($0.3 \le M \le 2.6$) that occurred during the report period.

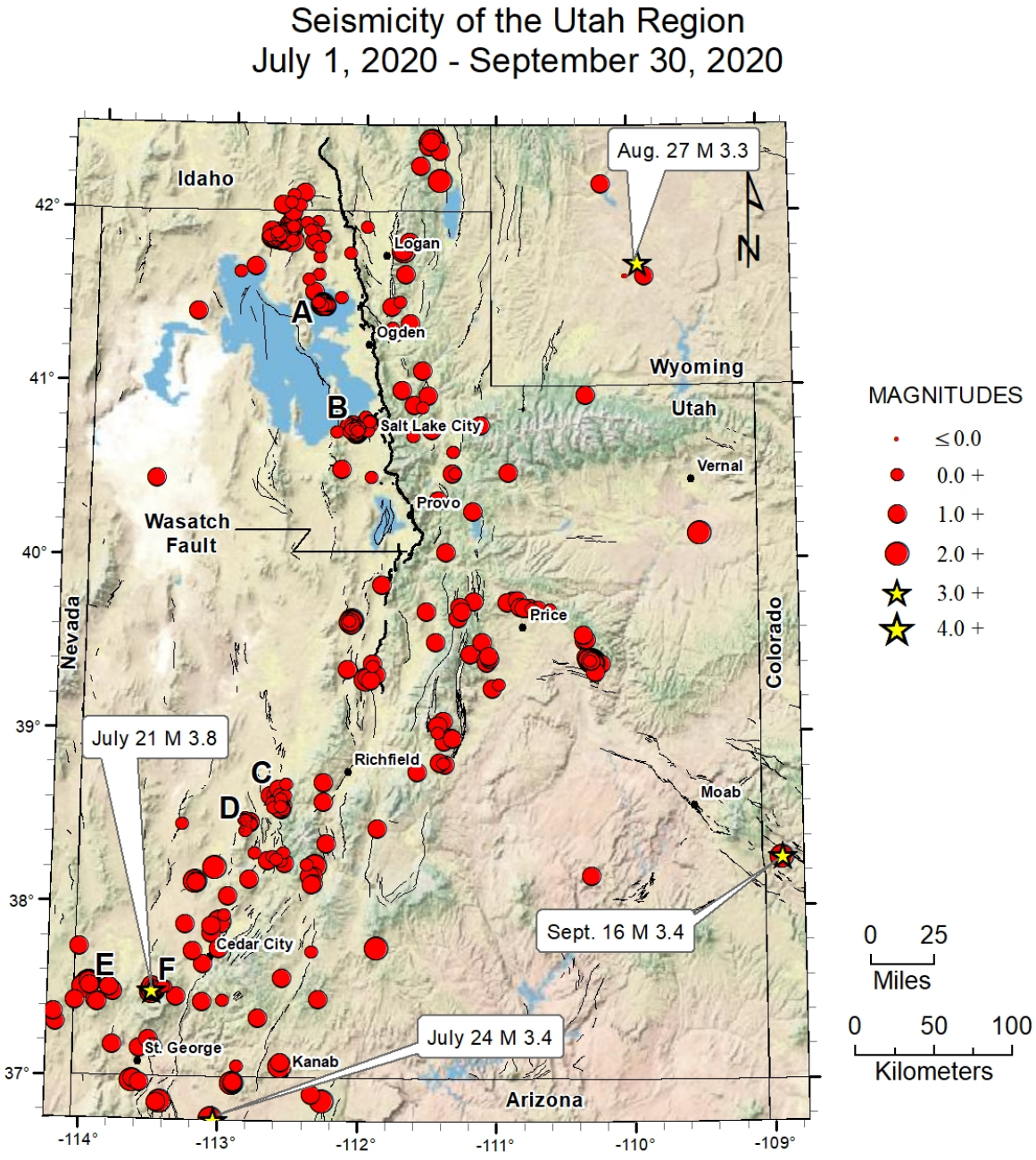


Figure 1. Earthquake epicenters, located by the University of Utah Seismograph Stations, superimposed on a map of Quaternary (geologically young) faults (black lines) compiled by the Utah Geological Survey. The Wasatch fault is shown in bold. Earthquakes of magnitude 3.0 and larger are labeled by local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

Table 1

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

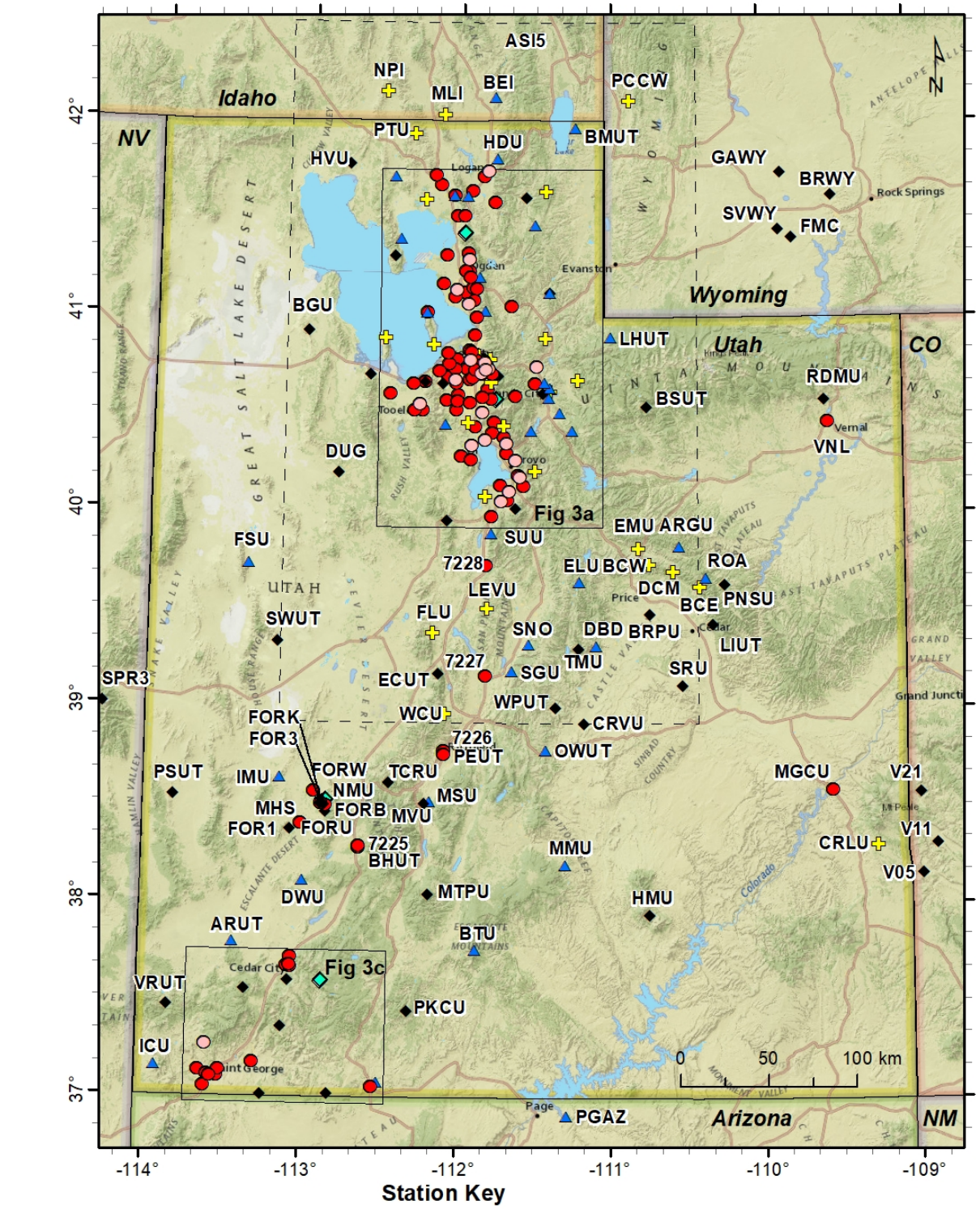
January 1, 2020 to December 31, 2020

Date and Time†	Felt Information‡	Latitude	Longitude	Magnitude§
2020-01-16 19:31:11 MST 2020-01-17 02:31:11 UTC	DYFI ShakeMap	38º 17.96′	112º 51.85′	M_L 3.9
2020-01-24 07:41:28 MST 2020-01-24 14:41:28 UTC	DYFI ShakeMap	41º 47.67′	112º 21.64′	M_L 3.1
2020-03-05 21:28:59 MST 2020-03-06 04:28:59 UTC	DYFI ShakeMap	41º 28.81′	112º 17.99′	M_L 3.0
2020-03-18 07:09:31 MDT 2020-03-18 13:09:31 UTC	DYFI ShakeMap	40º 45.06′	112º 04.70′	M_W 5.7 NEIC
2020-03-18 08:02:12 MDT 2020-03-18 14:02:12 UTC	DYFI ShakeMap	40º 45.63′	112º 04.16′	M_W 4.6
2020-03-18 13:12:23 MDT 2020-03-18 19:12:23 UTC	DYFI ShakeMap	40º 45.06′	112º 03.54′	M_W 4.6
2020-04-04 02:49:04 MDT 2020-04-04 08:49:04 UTC	DYFI	40º 44.64′	112º 02.44′	M_L 2.7
2020-04-05 17:39:52 MDT 2020-04-05 23:39:52 UTC	DYFI	40º 44.60′	112º 02.91′	M_L 2.5
2020-04-14 20:56:09 MDT 2020-04-15 02:56:09 UTC	DYFI ShakeMap	40º 44.03′	112º 03.46′	M_L 4.2
2020-04-16 06:41:29 MDT 2020-04-16 13:41:29 UTC	DYFI ShakeMap	40º 44.15′	112º 03.73′	M_L 4.2
2020-04-17 18:08:09 MDT 2020-04-18 00:08:09 UTC	DYFI	40º 43.82′	112º 03.64′	M_L 2.8
2020-04-20 19:07:07 MDT 2020-04-21 01:07:07 UTC	DYFI	40º 44.52′	112º 04.15′	M_L 2.7
2020-06-24 17:33:15 MDT 2020-06-24 23:33:15 UTC	DYFI	37º 00.01′	112º 44.64′	M_L 3.1
2020-07-21 03:44:15 MDT 2020-07-21 09:44:15 UTC	DYFI ShakeMap	37º 29.69′	113º 29.32′	M_L 3.8
2020-07-25 17:29:49 MDT 2020-07-25 23:29:49 UTC	DYFI	40º 44.06′	112º 03.40′	M_L 2.5
2020-09-19 21:56:36 MDT 2020-09-20 03:56:36 UTC	DYFI	41º 45.99′	111º 42.62′	M_L 2.7

† 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
September 30, 2020



Station Key

- 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

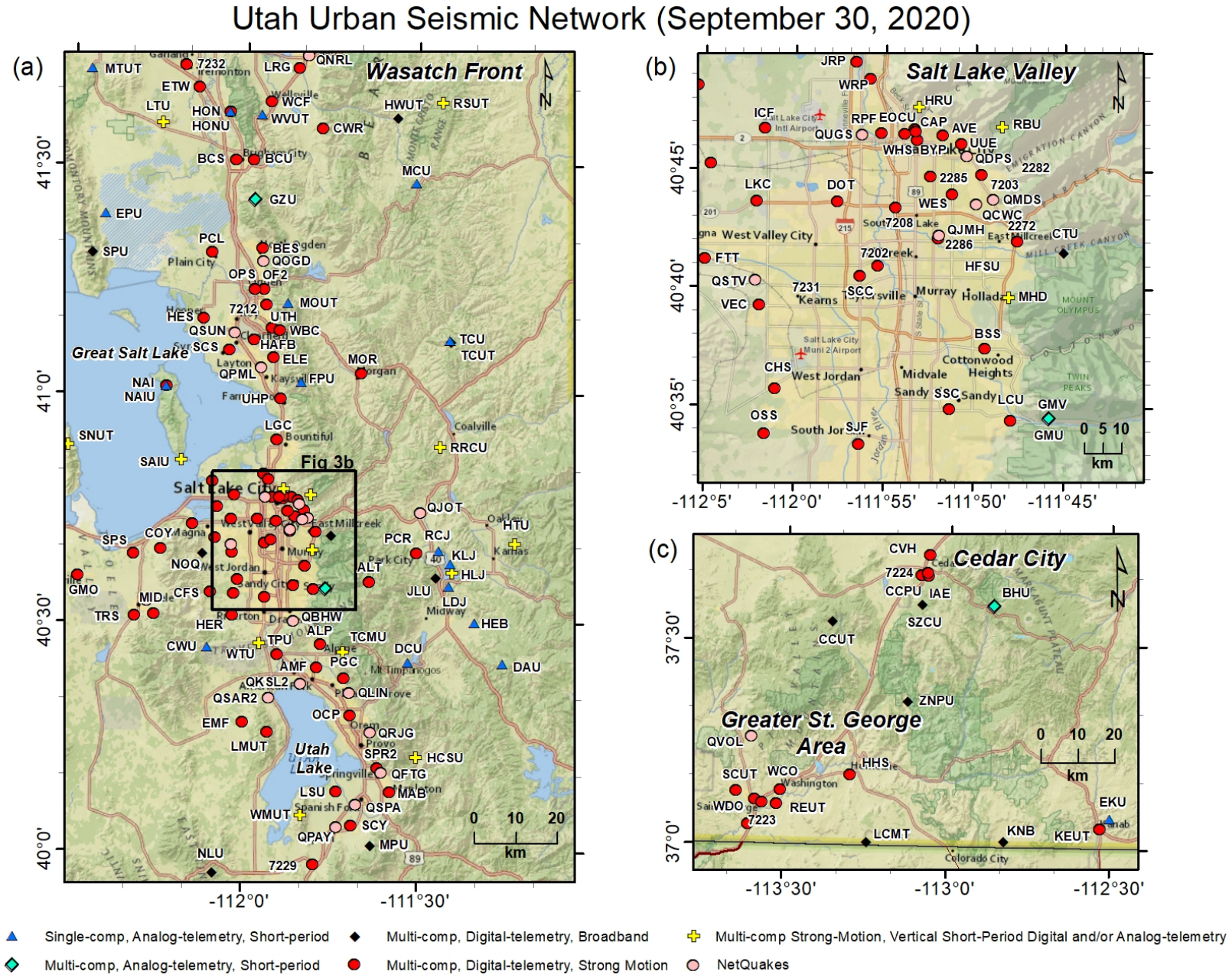

Utah Urban Seismic Network (September 30, 2020)
(a)
Wasatch Front
Great Salt Lake
Fig 3b
Salt Lake City
Utah Lake
(b)
Salt Lake Valley
(c)
Cedar City
Greater St. George Area
Single-comp, Analog-telemetry, Short-period
Multi-comp, Digital-telemetry, Broadband
Multi-comp Strong-Motion, Vertical Short-Period 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: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200701	00:07:02.11	39º 42.24′	110º 43.42′	-2.5	1.3W	12	144	3	0.07
200701	00:58:19.80	39º 23.86′	110º 15.98′	-3.2	1.7W	10	212	6	0.26
200701	03:32:29.83	38º 17.56′	112º 33.35′	6.1*	0.5	12	227	32	0.06
200701	03:51:47.96	39º 24.63′	110º 18.24′	-1.6	1.3W	12	199	2	0.06
200701	05:47:20.78	39º 24.57′	110º 18.10′	-1.9	1.7	12	200	3	0.09
200701	08:39:15.46	37º 10.72′	113º 46.14′	14.3	1.1	10	147	14	0.08
200701	08:39:20.09	37º 55.91′	112º 58.91′	-1.6*	0.5	10	117	19	0.24
200701	10:13:10.91	40º 47.33′	111º 57.39′	5.3	0.4	13	152	3	0.09
200701	14:41:54.47	39º 24.46′	110º 18.02′	-2.2	1.5W	12	201	3	0.12
200701	14:41:54.56	39º 24.65′	110º 18.20′	-1.7	1.5W	13	199	2	0.06
200701	15:06:21.94	39º 24.73′	110º 18.67′	-1.1	1.3W	11	196	2	0.06
200701	15:12:10.07	39º 24.66′	110º 18.67′	-1.2	1.3W	11	196	2	0.05
200701	18:53:30.85	39º 25.08′	110º 19.60′	-0.5	1.3	6	191	1	0.07
200701	18:54:56.48	40º 44.53′	112º 02.29′	9.3	0.2	14	108	4	0.09
200701	19:24:32.02	39º 24.39′	110º 17.75′	-3.4	1.4W	8	203	3	0.14
200701	21:49:22.92	39º 24.76′	110º 18.91′	-1.0	1.6	8	195	2	0.05
200702	00:38:55.73	39º 24.66′	110º 17.90′	-2.2	1.5W	13	184	3	0.12
200702	00:38:55.83	39º 24.66′	110º 18.31′	-1.5	1.5W	12	199	2	0.07
200702	02:00:50.73	39º 24.57′	110º 18.24′	-1.7	1.5W	10	199	2	0.07
200702	04:46:07.03	39º 24.54′	110º 18.06′	-3.0	1.8W	14	200	3	0.10
200702	07:07:19.91	40º 43.55′	112º 04.80′	9.7	0.4	17	72	3	0.11
200702	08:14:49.13	40º 44.94′	112º 03.68′	5.4	0.0	12	178	2	0.12
200702	09:01:39.45	41º 55.95′	112º 22.22′	6.3	0.8	9	89	4	0.04
200702	11:44:09.80	41º 49.93′	112º 38.58′	7.9	2.0W	26	133	12	0.12
200702	12:30:09.30	40º 47.09′	111º 57.73′	4.2	0.9	7	147	7	0.04
200702	15:59:09.27	39º 24.74′	110º 17.77′	-2.2	2.1W	21	119	3	0.12
200702	16:42:04.49	40º 44.48′	112º 01.18′	7.3	0.9W	24	57	2	0.10
200702	17:19:45.68	40º 45.11′	112º 03.76′	8.0	0.5	11	122	1	0.10
200704	05:05:21.97	39º 24.69′	110º 18.32′	-1.6	1.4	12	198	2	0.05
200704	08:14:37.72	39º 42.91′	110º 45.18′	-3.3	1.1	11	158	2	0.09
200704	12:21:29.45	40º 44.69′	112º 03.77′	9.4	1.8W	43	40	2	0.15
200704	15:34:27.76	40º 44.53′	112º 03.92′	8.6	0.5	14	107	2	0.05
200704	23:06:28.99	41º 45.21′	112º 06.75′	2.8*	0.7	7	80	20	0.10
200704	23:43:55.56	41º 37.73′	110º 01.23′	6.2*	--	5	262	19	0.02
200704	23:43:55.70	41º 37.58′	110º 00.37′	4.9*	--	5	257	18	0.01
200705	00:31:59.95	40º 52.94′	111º 37.43′	7.1*	1.3	10	127	16	0.10
200705	00:51:32.76	38º 59.56′	111º 26.04′	-0.6	0.9W	6	212	7	0.02
200705	04:56:38.14	41º 49.46′	112º 38.41′	6.4	1.0	19	128	12	0.12
200705	05:01:08.97	40º 43.50′	112º 04.06′	8.4	0.4	17	100	3	0.13
200705	13:12:51.13	40º 44.95′	112º 05.43′	8.3	0.8W	20	65	1	0.15
200705	14:20:20.07	40º 44.57′	112º 04.19′	7.6	0.7	16	82	1	0.10
200705	23:05:55.78	40º 44.33′	112º 02.96′	7.8	0.3	7	117	2	0.04
200706	06:47:50.58	39º 24.62′	110º 17.67′	-2.5	1.3W	9	202	3	0.07
200706	14:10:32.99	40º 43.74′	112º 04.16′	9.0	0.4	11	120	3	0.11
200706	15:01:56.84	39º 20.74′	110º 16.01′	-3.3	1.1W	8	218	10	0.32

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200706	15:05:21.05	39º 24.58′	110º 17.37′	-3.2	1.8W	13	204	3	0.15
200706	16:36:50.32	41º 49.97′	112º 38.08′	1.0*	1.0	13	131	13	0.07
200706	17:41:22.22	39º 24.64′	110º 18.21′	-1.5	1.4W	12	199	2	0.06
200706	20:10:34.09	39º 24.32′	110º 18.01′	-2.3	1.1	7	201	3	0.03
200706	20:17:46.49	39º 24.64′	110º 18.13′	-1.9	2.1	14	199	2	0.08
200706	22:11:09.25	39º 24.62′	110º 18.25′	-1.7	1.4W	11	199	2	0.06
200707	00:27:07.10	41º 52.69′	112º 35.58′	0.3*	1.4W	16	136	19	0.16
200707	02:04:14.27	39º 24.53′	110º 18.37′	-1.9	1.6	9	198	2	0.12
200707	02:25:29.98	39º 24.84′	110º 17.51′	-3.5	2.6W	21	104	3	0.20
200707	03:14:00.24	40º 44.76′	112º 04.66′	6.4	0.8	28	52	1	0.12
200707	10:11:12.55	40º 47.54′	111º 57.08′	8.2	0.6W	15	157	3	0.14
200707	10:13:22.65	40º 47.22′	111º 57.44′	9.4	0.3	10	150	3	0.10
200707	18:11:02.02	39º 24.40′	110º 18.18′	-1.9	1.0	9	200	3	0.11
200708	01:53:32.00	40º 43.84′	112º 02.98′	7.5	0.6	19	83	1	0.10
200708	06:56:34.03	40º 43.92′	112º 03.04′	10.7	0.3	16	101	1	0.08
200708	06:58:26.08	40º 43.96′	112º 03.62′	7.2	0.5	15	80	2	0.12
200708	07:17:25.06	40º 45.49′	112º 03.87′	8.9	0.2	13	104	1	0.10
200708	12:57:18.85	39º 27.02′	111º 11.90′	-0.2*	1.3W	16	82	17	0.18
200708	15:07:59.52	40º 44.51′	112º 04.20′	8.5	0.8W	19	92	1	0.07
200708	21:10:55.59	40º 44.38′	112º 03.78′	9.7	2.4W	49	38	2	0.15
200709	04:36:30.18	39º 25.29′	111º 03.07′	1.9*	1.0W	11	107	12	0.13
200709	12:50:00.48	40º 44.16′	112º 04.60′	9.3	0.4	16	77	2	0.13
200709	14:04:40.79	42º 01.90′	112º 38.38′	0.6*	1.2	17	195	16	0.23
200709	18:10:23.72	40º 43.75′	112º 03.22′	8.6	0.5	11	134	3	0.07
200709	23:27:20.16	40º 44.25′	111º 58.21′	7.9	0.8W	21	82	1	0.12
200710	00:29:32.44	39º 16.19′	110º 59.03′	20.9	0.8W	14	116	20	0.09
200710	01:44:38.80	39º 24.50′	110º 18.34′	-1.7	1.2	9	199	2	0.11
200710	07:30:21.22	40º 43.05′	112º 04.39′	6.7	0.1	16	76	3	0.11
200710	23:18:43.87	42º 24.16′	111º 29.76′	9.7*	2.0W	17	113	40	0.15
200710	23:42:59.35	42º 23.73′	111º 30.43′	6.5*	2.0W	17	116	38	0.17
200710	23:54:57.36	40º 43.67′	112º 05.95′	8.9	0.2	12	162	3	0.09
200711	16:04:02.89	38º 57.87′	111º 19.32′	-3.5	1.2	5	107	5	0.08
200711	16:55:18.27	40º 44.14′	112º 04.28′	8.5	0.8	20	78	2	0.11
200712	00:50:37.53	38º 16.39′	108º 54.96′	1.1	2.5W	19	84	5	0.09
200712	02:25:30.44	40º 43.92′	112º 03.34′	6.9	1.0	21	83	2	0.09
200712	03:11:04.70	41º 36.11′	112º 26.14′	5.0	0.2	7	124	8	0.04
200712	08:15:42.08	41º 37.63′	112º 21.46′	7.9	0.4	7	104	9	0.05
200712	13:09:36.70	40º 43.19′	112º 04.26′	7.6	0.5	19	71	3	0.09
200712	18:05:54.67	40º 44.14′	112º 02.99′	8.9	0.4	16	99	2	0.09
200712	20:27:56.83	40º 44.02′	112º 02.83′	8.8	0.9W	24	45	1	0.10
200713	00:25:24.72	40º 43.38′	112º 04.01′	5.8	0.2	15	79	3	0.18
200713	00:57:03.92	39º 24.04′	110º 16.61′	-3.4	1.2	6	208	5	0.21
200713	01:57:33.62	41º 38.66′	112º 57.27′	10.2*	0.8W	11	219	21	0.06
200713	14:08:35.09	41º 54.24′	111º 59.16′	0.3*	0.8	10	75	18	0.10
200713	16:58:35.49	40º 43.05′	112º 04.24′	8.2	0.5	12	207	4	0.11

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200713	17:14:39.85	40º 43.47′	112º 05.01′	8.6	0.4	11	115	3	0.11
200713	19:05:51.94	39º 24.77′	110º 18.69′	-1.0	1.7	7	196	2	0.02
200714	00:17:45.51	39º 24.95′	110º 18.21′	-1.6	1.3	5	199	2	0.01
200714	02:30:29.11	39º 24.84′	110º 18.79′	-1.0	1.3	6	196	2	0.02
200714	04:48:08.53	39º 24.50′	110º 18.37′	-1.8	0.8	6	198	2	0.08
200714	09:51:18.14	40º 43.91′	112º 04.08′	9.4	0.4	15	94	3	0.15
200714	14:40:32.78	39º 24.77′	110º 18.43′	-1.4	1.1	11	198	2	0.07
200714	15:00:39.16	39º 24.65′	110º 18.19′	-1.6	1.4W	12	199	2	0.08
200714	20:19:19.24	39º 24.73′	110º 18.19′	-1.5	1.5W	10	199	2	0.07
200714	20:34:22.71	39º 24.81′	110º 19.35′	-1.0	1.2	8	193	1	0.05
200714	20:51:55.04	39º 24.71′	110º 18.19′	-1.5	1.5W	12	199	2	0.08
200714	21:46:46.17	39º 24.87′	110º 19.13′	-1.0	1.3	10	194	1	0.07
200714	23:57:44.03	39º 24.32′	110º 18.93′	-2.2	1.8W	11	230	2	0.08
200715	00:15:11.66	40º 43.14′	112º 03.60′	9.8	1.5W	26	56	2	0.10
200715	00:58:55.53	39º 24.83′	110º 18.90′	-1.0	1.4	5	195	1	0.01
200715	01:59:59.86	39º 24.82′	110º 18.85′	-1.0	1.2	8	196	1	0.03
200715	05:36:53.74	40º 44.93′	112º 04.64′	6.7	0.2	12	167	1	0.07
200715	06:19:54.92	39º 24.43′	110º 18.01′	-2.2	1.4W	9	201	3	0.14
200715	06:24:31.05	39º 24.63′	110º 18.14′	-1.8	1.4W	12	199	2	0.10
200715	06:37:46.17	39º 24.49′	110º 17.77′	-2.6	1.3W	8	201	3	0.09
200715	06:49:30.19	40º 44.15′	112º 03.02′	8.5	0.9	17	86	2	0.10
200715	09:17:33.50	40º 43.34′	112º 03.59′	8.5	0.7	19	76	2	0.09
200715	10:00:02.87	41º 26.86′	111º 47.73′	15.6	1.6W	28	52	15	0.15
200715	10:03:35.97	40º 43.57′	112º 03.74′	8.0	0.9W	27	40	2	0.15
200715	10:07:16.85	40º 43.58′	112º 03.55′	8.0	1.2W	31	40	2	0.15
200715	11:12:20.09	37º 25.99′	113º 07.69′	13.1	1.9W	19	57	18	0.14
200715	11:29:11.91	40º 43.09′	112º 03.79′	8.3	0.5	14	134	3	0.10
200715	11:57:28.95	40º 43.72′	112º 04.16′	8.4	1.0	17	97	3	0.12
200715	15:15:33.22	40º 44.53′	111º 29.43′	12.9	1.0W	20	86	10	0.11
200715	15:42:17.97	39º 19.53′	111º 53.61′	1.0*	1.4	12	76	21	0.30
200715	15:59:49.66	39º 25.09′	110º 18.83′	-0.9	1.3W	7	195	1	0.17
200715	16:09:17.05	39º 24.52′	110º 17.54′	-3.2	1.2W	8	203	3	0.10
200715	17:06:13.96	39º 24.49′	110º 16.94′	-3.4	1.9W	16	206	4	0.17
200715	19:48:47.87	39º 24.65′	110º 17.94′	-1.9	1.7	9	201	3	0.12
200715	20:36:22.88	39º 24.61′	110º 18.17′	-1.7	1.3W	8	199	2	0.07
200715	21:41:13.60	40º 43.56′	112º 03.92′	7.1	0.3	11	136	3	0.11
200716	01:35:17.84	39º 24.80′	110º 18.47′	-1.2	1.2W	9	198	2	0.07
200716	01:45:28.88	39º 24.17′	110º 16.79′	-3.4	1.3W	8	208	5	0.26
200716	02:00:48.89	39º 24.97′	110º 18.36′	-1.8	1.6W	17	128	2	0.09
200716	04:45:00.77	39º 24.67′	110º 18.21′	-1.7	1.4W	10	199	2	0.10
200716	05:23:41.27	40º 43.82′	112º 03.01′	7.9	0.6	20	83	1	0.14
200716	05:53:15.90	39º 24.63′	110º 18.45′	-1.5	1.4W	15	127	2	0.08
200716	06:10:55.48	39º 24.83′	110º 18.55′	-1.3	1.2W	10	197	2	0.06
200716	08:51:20.04	39º 25.84′	110º 20.05′	-1.1	1.5	8	114	1	0.09
200716	10:57:23.45	40º 44.45′	112º 03.10′	7.4	0.6W	20	106	2	0.11

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200716	14:48:31.08	40º 43.91′	112º 01.77′	8.9	1.8W	46	37	1	0.14
200716	15:44:18.87	39º 24.29′	110º 16.82′	-3.4	1.4W	8	207	4	0.22
200716	17:13:39.97	39º 24.54′	110º 17.71′	-2.8	2.1W	19	202	3	0.15
200716	18:30:07.16	39º 24.67′	110º 18.08′	-2.0	1.7W	10	200	3	0.07
200716	20:20:06.15	39º 24.80′	110º 18.28′	-1.7	1.5W	11	183	2	0.09
200716	20:43:34.40	39º 24.66′	110º 17.78′	-2.2	1.5	8	184	3	0.07
200717	05:26:10.84	40º 42.62′	112º 03.25′	10.2	0.4	17	69	2	0.10
200717	10:08:19.89	39º 31.06′	111º 27.22′	4.5*	1.2W	19	104	25	0.10
200717	11:29:23.55	40º 48.52′	111º 59.31′	3.9	0.6	13	172	5	0.19
200717	14:12:49.82	42º 24.04′	111º 30.58′	0.1*	1.6W	20	114	39	0.23
200717	15:10:09.34	40º 42.94′	112º 02.85′	8.5	1.5W	41	47	2	0.17
200718	02:51:59.60	37º 49.71′	113º 04.08′	1.0*	1.7W	23	44	13	0.22
200718	04:10:46.53	38º 49.46′	111º 25.14′	4.8	1.3W	11	149	5	0.06
200718	08:08:40.88	40º 44.64′	112º 02.74′	8.8	0.4	15	94	2	0.10
200718	16:54:37.62	38º 28.90′	112º 50.53′	0.1	0.1	12	224	3	0.10
200718	17:44:12.26	38º 29.01′	112º 50.64′	-0.2	0.7	14	217	1	0.14
200718	18:27:45.27	41º 27.76′	112º 18.90′	0.6*	1.6W	22	87	11	0.18
200718	19:35:50.63	41º 26.94′	112º 18.17′	0.4*	1.1	8	162	11	0.09
200718	20:16:33.45	37º 34.43′	112º 33.40′	15.2	1.8W	14	52	26	0.18
200719	05:01:55.99	40º 45.65′	112º 05.85′	9.5	0.2	10	110	2	0.04
200719	08:08:29.45	40º 44.10′	112º 02.18′	9.7	1.3W	38	40	1	0.11
200719	09:42:38.67	40º 44.29′	112º 02.65′	9.0	1.5W	34	43	1	0.14
200719	17:31:08.62	41º 27.54′	112º 18.97′	-1.1*	0.9W	19	88	11	0.18
200719	20:59:11.44	36º 57.68′	113º 33.92′	2.4*	1.5W	17	207	29	0.29
200719	22:44:12.74	38º 37.67′	112º 32.92′	-0.1	0.7	12	136	9	0.20
200720	00:35:18.74	41º 55.58′	112º 27.12′	0.6*	0.3	9	109	11	0.18
200720	01:00:51.57	40º 43.39′	112º 03.91′	8.4	0.9W	29	41	3	0.10
200720	02:04:45.23	39º 24.83′	110º 18.53′	-1.0	1.5	9	197	2	0.07
200720	02:28:33.23	39º 24.62′	110º 18.37′	-1.5	1.6	10	198	2	0.08
200720	02:41:32.58	39º 24.59′	110º 18.55′	-1.5	1.5W	11	198	2	0.08
200720	03:28:02.34	40º 44.07′	112º 03.75′	10.7	0.3	17	92	2	0.10
200720	04:52:20.27	39º 23.96′	110º 16.09′	-3.4	1.5W	13	211	6	0.25
200720	08:58:42.12	38º 36.43′	112º 34.85′	0.8*	0.6	10	181	12	0.13
200720	15:31:13.14	39º 24.64′	110º 18.21′	-1.8	1.5W	12	199	2	0.10
200720	16:00:05.49	39º 24.64′	110º 18.54′	-1.3	1.6	12	198	2	0.12
200720	19:01:25.16	38º 27.35′	113º 17.94′	1.4*	0.8	10	136	20	0.15
200720	19:21:04.24	39º 24.71′	110º 18.22′	-1.5	1.4W	12	199	2	0.07
200720	20:57:18.62	39º 24.61′	110º 18.44′	-1.6	1.7	12	198	2	0.09
200720	21:06:30.97	40º 43.64′	112º 04.62′	8.1	0.6	12	122	3	0.09
200720	22:49:21.95	41º 44.01′	112º 21.01′	6.8	0.3	9	72	11	0.09
200721	00:25:05.23	39º 24.65′	110º 18.24′	-1.7	1.7	13	199	2	0.08
200721	00:28:24.08	39º 24.60′	110º 16.89′	-3.4	2.3W	22	115	4	0.23
200721	04:33:14.59	39º 24.50′	110º 18.34′	-1.7	1.7	13	199	2	0.14
200721	05:40:25.09	39º 24.67′	110º 18.14′	-1.6	2.1	14	199	2	0.14
200721	08:43:08.49	40º 43.80′	112º 02.17′	9.2	0.5	19	87	0	0.10

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200721	09:44:15.40	37° 29.69′	113° 29.32′	8.7	3.8W	26	59	13	0.17
200721	09:55:00.46	37° 30.08′	113° 29.17′	4.6*	2.1W	20	68	12	0.11
200721	10:01:54.10	37° 30.44′	113° 28.41′	1.2*	0.9	7	103	11	0.07
200721	10:08:07.37	37° 30.45′	113° 28.17′	3.9*	1.1W	8	102	11	0.04
200721	10:20:23.76	37° 29.82′	113° 28.20′	3.8*	0.9W	7	105	11	0.06
200721	12:17:02.30	37° 29.95′	113° 28.79′	-0.4*	1.6W	16	78	12	0.17
200721	12:29:23.53	37° 29.15′	113° 29.22′	7.7	2.8W	25	60	13	0.17
200721	13:19:00.75	37° 29.89′	113° 28.69′	-0.1*	1.6W	16	68	12	0.20
200721	15:56:48.44	37° 29.75′	113° 28.64′	-0.1*	2.0W	16	69	12	0.14
200721	16:58:41.42	37° 30.51′	113° 26.84′	6.3	1.2W	11	101	9	0.15
200721	17:21:21.42	42° 10.40′	111° 26.05′	3.4*	2.3W	22	91	29	0.32
200721	18:34:18.90	37° 30.59′	113° 23.49′	8.7	0.9W	8	97	5	0.09
200721	19:09:15.81	37° 31.13′	113° 29.46′	0.7*	0.9W	10	108	12	0.16
200721	20:58:25.61	39° 24.79′	110° 17.81′	-2.6	1.6	10	201	3	0.11
200722	00:00:39.93	40° 44.57′	112° 04.25′	3.5	0.5	20	55	1	0.14
200722	00:30:13.22	39° 24.77′	110° 17.77′	-2.2	1.7	9	201	3	0.13
200722	01:38:51.03	38° 26.55′	111° 52.46′	6.0*	1.3W	15	155	52	0.18
200722	02:47:54.16	39° 24.62′	110° 17.82′	-2.6	1.8W	18	130	3	0.16
200722	04:20:18.27	37° 29.53′	113° 28.57′	3.2*	1.2W	9	100	12	0.07
200722	08:52:47.63	37° 29.69′	113° 28.63′	4.8*	1.5	7	106	12	0.05
200722	10:07:43.11	36° 50.96′	113° 26.71′	22.2	1.4	10	152	25	0.08
200722	17:07:19.64	39° 24.47′	110° 18.32′	-2.0	1.8	10	199	2	0.13
200722	19:36:16.52	39° 24.82′	110° 18.01′	-1.7	1.2	11	199	2	0.10
200722	20:22:50.30	39° 24.72′	110° 18.15′	-1.6	1.6	8	199	2	0.05
200722	21:23:49.62	39° 24.70′	110° 18.37′	-1.5	1.9	10	198	2	0.06
200722	23:28:51.88	39° 24.61′	110° 18.03′	-2.1	1.5	11	200	3	0.07
200722	23:36:07.45	39° 42.23′	110° 36.33′	-2.0	0.9	9	81	2	0.07
200723	00:29:00.68	39° 24.36′	110° 17.06′	-3.4	1.5	6	206	4	0.17
200723	00:46:32.61	39° 24.71′	110° 18.56′	-1.3	1.2	6	198	2	0.05
200723	01:07:40.57	41° 49.36′	112° 33.95′	4.6*	2.1W	27	111	18	0.16
200723	06:49:15.64	41° 49.52′	112° 34.10′	7.6*	0.6	10	112	18	0.07
200723	08:19:11.51	37° 29.61′	113° 27.61′	7.8	1.1W	10	105	11	0.17
200723	16:24:28.74	39° 24.85′	110° 19.86′	-1.1	1.6	9	183	1	0.05
200723	18:02:18.90	39° 24.75′	110° 18.78′	-1.1	1.3	9	196	2	0.03
200723	19:12:56.01	39° 24.44′	110° 18.03′	-2.2	1.5	9	201	3	0.09
200723	21:26:49.79	39° 24.77′	110° 18.14′	-2.0	1.8	9	199	2	0.09
200723	23:22:17.13	40° 43.68′	112° 04.94′	8.5	0.2	10	146	3	0.09
200724	01:07:50.16	39° 24.68′	110° 18.66′	-1.3	1.7	9	196	2	0.08
200724	01:42:37.45	39° 24.58′	110° 18.21′	-1.7	1.6	9	199	2	0.08
200724	06:28:50.66	40° 44.03′	111° 58.44′	8.4	0.5	18	96	5	0.10
200724	07:35:52.88	40° 44.38′	112° 03.09′	8.4	0.7W	22	76	2	0.08
200724	13:06:09.92	37° 32.06′	113° 56.57′	4.5*	1.2W	15	86	11	0.20
200724	14:52:00.56	36° 51.22′	113° 24.96′	13.7	2.7W	22	135	23	0.19
200724	16:08:41.93	39° 24.87′	110° 18.49′	-1.1	1.5	10	197	2	0.10
200724	16:28:14.99	39° 24.76′	110° 19.15′	-1.1	1.5	8	194	1	0.05

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200724	16:30:50.02	37° 32.10′	113° 56.94′	2.8*	1.0	11	103	12	0.14
200724	16:58:59.02	39° 24.68′	110° 18.21′	-1.7	1.6W	11	199	2	0.09
200724	17:13:30.54	40° 44.72′	112° 02.99′	9.4	0.9	18	110	2	0.09
200724	18:18:37.56	40° 43.44′	112° 03.65′	9.3	0.3	12	132	2	0.12
200724	18:35:29.88	37° 32.32′	113° 56.68′	3.3*	1.6W	15	85	12	0.19
200724	19:00:16.21	39° 24.70′	110° 18.54′	-1.5	1.5	9	198	2	0.08
200724	19:16:29.86	39° 15.00′	111° 01.93′	19.9	1.3W	19	90	9	0.12
200724	20:09:21.55	39° 24.70′	110° 18.41′	-1.6	1.8	10	198	2	0.06
200724	20:49:12.62	40° 44.48′	112° 01.38′	10.0	0.8	16	109	2	0.10
200724	21:33:45.33	40° 44.71′	112° 01.27′	8.6	1.2W	22	93	2	0.09
200724	21:53:29.74	38° 56.80′	111° 23.20′	-3.4	1.6	5	91	6	0.18
200724	22:44:13.06	40° 30.78′	112° 09.89′	0.4	1.0	18	66	8	0.15
200724	23:11:34.38	37° 29.87′	113° 28.44′	1.0*	0.9W	6	105	11	0.08
200724	23:49:31.10	39° 24.80′	110° 19.20′	-1.1	1.7	10	193	1	0.05
200725	00:03:01.16	39° 24.61′	110° 18.39′	-1.7	1.6W	14	198	2	0.09
200725	00:35:31.81	39° 24.73′	110° 18.60′	-1.2	1.4	9	197	2	0.07
200725	03:07:28.38	39° 24.75′	110° 18.18′	-1.4	1.7	12	199	2	0.11
200725	04:00:03.21	36° 45.05′	113° 01.67′	14.8*	3.4W	22	89	35	0.25
200725	04:16:52.92	37° 32.06′	113° 56.54′	5.5*	2.1W	18	86	11	0.20
200725	06:50:14.15	37° 30.28′	113° 28.63′	4.6*	0.9W	7	104	11	0.12
200725	07:53:35.52	37° 20.60′	112° 43.36′	13.9*	1.7W	19	87	37	0.19
200725	12:02:14.78	38° 26.96′	112° 48.45′	4.9	0.0	13	191	5	0.07
200725	14:54:40.43	37° 04.10′	112° 33.44′	18.1	2.0W	14	103	24	0.12
200725	15:52:49.64	39° 24.92′	110° 18.39′	-1.4	1.5W	13	182	2	0.07
200725	22:58:18.17	37° 30.83′	113° 56.61′	5.6	0.9	7	238	10	0.07
200725	23:29:49.09	40° 44.06′	112° 03.40′	10.5	2.5W	45	30	2	0.13
200726	00:28:48.93	37° 31.70′	113° 56.36′	5.3	1.0	10	102	10	0.17
200726	01:56:36.84	37° 30.31′	113° 27.74′	3.9	1.2W	7	103	10	0.12
200726	02:47:05.00	40° 45.02′	112° 02.52′	7.8	0.1	13	112	3	0.09
200726	06:13:56.82	38° 10.31′	110° 18.34′	3.6*	1.4W	14	114	46	0.17
200726	06:41:54.91	40° 45.43′	112° 06.90′	6.0	0.9	21	67	3	0.11
200726	17:31:10.34	40° 44.38′	112° 02.50′	9.2	1.5W	39	37	1	0.14
200726	18:05:45.09	41° 27.81′	112° 20.12′	0.8	1.1	9	119	10	0.09
200726	20:22:42.75	37° 31.96′	113° 56.98′	5.2*	2.4W	22	77	11	0.24
200726	21:26:57.95	40° 46.68′	111° 59.49′	6.8	1.5W	30	56	3	0.15
200726	22:30:53.79	42° 20.65′	111° 26.13′	-3.2*	1.7W	17	106	38	0.20
200726	23:07:42.33	37° 31.87′	113° 56.74′	5.2*	1.1	11	86	11	0.19
200727	02:39:21.31	40° 43.85′	112° 04.35′	8.8	0.8	22	75	3	0.11
200727	10:52:17.13	37° 31.66′	113° 56.85′	8.6	2.1W	21	77	11	0.23
200727	16:34:55.68	38° 27.60′	112° 47.90′	4.7	0.7	13	143	5	0.13
200727	16:51:53.46	38° 28.44′	112° 48.27′	5.2	1.4W	20	68	5	0.11
200727	16:51:53.50	38° 28.08′	112° 48.19′	4.9	1.6W	24	82	5	0.15
200727	18:02:55.18	38° 28.04′	112° 48.03′	3.8	-0.2	10	285	5	0.10
200727	18:03:15.04	38° 28.10′	112° 50.46′	4.1	--	8	248	2	0.15
200727	19:03:19.35	39° 25.04′	110° 19.32′	-1.0	1.1	8	193	1	0.02

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200727	19:12:09.67	39° 24.55′	110° 17.77′	-3.1	1.5	8	201	3	0.11
200727	19:20:06.34	41° 27.43′	112° 19.18′	-0.3	1.5W	20	88	10	0.15
200727	19:26:55.07	37° 31.01′	113° 57.78′	10.7	2.4W	15	141	11	0.22
200727	19:33:34.06	39° 24.95′	110° 18.04′	-1.7	1.5W	15	183	2	0.09
200727	19:35:28.59	39° 24.99′	110° 18.33′	-1.5	1.7	9	182	2	0.13
200727	21:38:18.68	39° 24.69′	110° 18.12′	-1.7	1.6W	10	199	2	0.08
200727	22:18:57.04	39° 24.77′	110° 18.65′	-1.3	1.2	6	196	2	0.02
200727	22:24:06.86	38° 27.99′	112° 48.07′	4.4	0.7	14	142	5	0.11
200728	01:51:33.89	39° 24.81′	110° 18.05′	-2.2	1.7	10	199	2	0.13
200728	01:56:28.40	40° 44.91′	112° 02.91′	7.3	0.6	15	86	3	0.12
200728	02:08:51.66	40° 44.39′	112° 03.25′	9.6	0.8	14	88	2	0.07
200728	06:24:26.73	40° 46.92′	111° 57.74′	7.9	0.6	12	143	4	0.13
200728	08:56:51.41	39° 42.97′	110° 47.81′	-3.3	1.0	9	183	5	0.16
200728	10:59:34.44	40° 45.93′	111° 07.27′	11.8	1.7W	34	68	13	0.20
200728	18:39:24.49	37° 31.47′	113° 56.90′	5.9	1.1	10	101	11	0.23
200728	19:55:53.28	39° 24.65′	110° 18.27′	-1.5	1.6	11	199	2	0.09
200728	20:23:32.64	39° 25.05′	110° 19.26′	-0.7	1.6	8	193	1	0.06
200728	23:21:31.95	39° 24.67′	110° 18.17′	-1.7	1.9W	15	199	2	0.11
200729	01:52:53.03	41° 26.92′	112° 16.70′	6.9*	0.9	8	212	16	0.08
200729	04:27:02.10	39° 24.82′	110° 18.34′	-1.2	1.5	12	198	2	0.08
200729	04:33:17.13	39° 24.69′	110° 18.17′	-1.6	1.5W	16	199	2	0.16
200729	07:10:48.73	37° 31.46′	113° 57.21′	5.5	2.0W	19	78	11	0.24
200729	11:53:26.99	38° 32.73′	112° 34.45′	1.5*	1.0	12	161	13	0.11
200729	12:00:41.00	40° 16.11′	111° 10.84′	13.5	1.5W	23	82	17	0.14
200729	12:18:39.37	41° 26.98′	112° 18.00′	0.9*	1.0	12	146	11	0.10
200729	12:59:48.66	40° 44.79′	112° 03.11′	7.9	1.0	23	55	2	0.10
200729	13:17:02.54	40° 44.36′	112° 02.89′	7.2	0.8W	26	60	3	0.10
200729	17:40:51.76	41° 27.71′	112° 19.30′	4.3*	2.6W	35	89	16	0.15
200729	18:15:53.18	41° 27.87′	112° 19.69′	-0.3*	1.1W	20	94	11	0.15
200729	22:02:47.55	38° 35.53′	112° 16.14′	13.2	1.4W	15	87	16	0.17
200730	04:04:48.51	40° 44.19′	112° 04.38′	7.6	0.3	14	96	2	0.07
200730	07:33:09.95	42° 22.28′	111° 31.18′	-3.3*	1.8W	15	133	36	0.22
200730	13:57:05.79	41° 27.13′	112° 18.25′	-0.4*	1.2	12	122	11	0.13
200730	20:11:39.57	40° 58.04′	111° 42.69′	7.7	1.4W	36	49	10	0.15
200730	23:06:41.62	39° 24.97′	110° 18.85′	-0.9	1.4	9	195	1	0.07
200731	18:27:58.59	40° 43.35′	112° 12.28′	6.9	0.4	6	164	8	0.01
200801	06:18:02.00	37° 30.34′	113° 58.68′	4.9*	2.0W	14	145	12	0.29
200801	14:42:49.09	40° 43.17′	112° 03.93′	9.1	0.3	12	87	4	0.10
200801	21:31:35.57	40° 43.73′	112° 04.23′	11.6	0.1	13	88	3	0.10
200801	21:31:40.05	40° 43.84′	112° 04.25′	11.1	0.3	11	172	3	0.08
200802	01:33:57.28	41° 51.90′	112° 40.31′	5.4*	1.1	14	159	13	0.09
200802	01:55:45.09	40° 42.82′	112° 04.74′	9.9	0.6	20	78	3	0.13
200802	02:17:33.92	41° 51.07′	112° 40.97′	5.5*	0.5	9	157	11	0.09
200802	03:23:39.15	41° 51.49′	112° 40.10′	1.7*	0.5	8	155	12	0.06
200802	05:11:18.17	41° 52.40′	112° 40.98′	1.5*	0.4	10	167	13	0.10

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200802	16:50:13.10	40° 43.38′	112° 03.79′	8.6	--	15	124	2	0.09
200802	16:50:16.11	40° 43.20′	112° 03.28′	8.4	0.7	13	142	2	0.07
200802	17:18:34.51	38° 37.44′	112° 39.44′	3.3*	1.4W	15	114	18	0.16
200802	17:35:40.43	38° 33.32′	112° 38.25′	2.7*	0.6	12	173	18	0.12
200803	02:08:01.51	37° 25.79′	113° 53.74′	7.5	1.2W	9	133	5	0.24
200803	08:54:47.99	41° 27.93′	112° 19.96′	4.1	0.9	11	94	10	0.16
200803	15:17:43.99	41° 52.15′	112° 40.07′	0.9*	1.4	15	159	13	0.11
200803	15:19:53.02	41° 52.09′	112° 40.05′	0.1*	1.8W	18	158	13	0.15
200803	15:27:55.83	41° 50.90′	112° 39.72′	0.3*	0.5	7	148	12	0.19
200803	15:28:42.52	41° 51.16′	112° 39.74′	1.7*	0.6	6	158	12	0.14
200803	15:35:29.65	41° 51.89′	112° 40.72′	1.8*	0.8	8	161	12	0.24
200803	16:06:43.78	41° 52.44′	112° 40.62′	0.4*	1.2	15	165	13	0.13
200803	17:04:17.74	41° 51.64′	112° 39.83′	1.7*	1.0	7	154	13	0.12
200803	18:54:08.29	37° 27.37′	112° 17.26′	14.9	1.2	9	197	2	0.05
200803	21:16:22.12	37° 29.04′	113° 28.73′	0.2*	1.9W	15	108	13	0.11
200804	00:23:09.71	37° 30.59′	113° 24.47′	7.8	0.8	8	98	6	0.08
200804	15:25:23.35	40° 43.82′	112° 04.43′	8.9	1.1W	23	73	3	0.11
200804	15:26:25.03	40° 36.70′	111° 19.63′	0.1	0.5	11	113	6	0.04
200804	19:36:19.54	37° 21.69′	114° 11.60′	12.8*	1.6	14	123	32	0.27
200804	23:31:59.00	39° 50.65′	111° 51.33′	3.4	1.7W	21	74	7	0.17
200805	02:23:55.39	40° 36.71′	111° 19.66′	1.3	0.3	8	113	6	0.03
200805	06:31:16.09	41° 27.65′	112° 18.87′	-0.1*	1.3W	17	87	11	0.10
200805	10:29:14.32	40° 56.35′	110° 19.69′	10.3*	1.9W	21	88	57	0.24
200805	11:31:37.68	41° 27.33′	112° 18.84′	0.8*	1.1W	14	97	11	0.12
200805	16:14:22.29	39° 18.04′	111° 57.96′	6.9*	2.1W	25	75	20	0.17
200805	16:17:52.26	39° 18.61′	111° 57.66′	3.2*	1.4W	13	75	20	0.16
200806	01:08:49.95	42° 24.29′	111° 30.23′	6.8*	2.0W	14	173	39	0.18
200806	02:51:36.24	40° 42.77′	112° 04.57′	10.2	0.6	20	73	3	0.10
200806	12:44:19.62	42° 05.16′	112° 33.66′	5.5	0.9	6	179	8	0.08
200806	14:01:02.16	41° 27.12′	112° 16.62′	2.7*	0.7	6	214	16	0.09
200806	21:22:17.15	41° 27.60′	112° 19.09′	0.1*	1.0	10	149	11	0.27
200806	22:34:35.95	40° 52.03′	111° 33.43′	12.0	0.9	14	127	10	0.17
200807	03:36:03.44	40° 44.97′	112° 03.83′	4.5	0.4	10	123	1	0.08
200807	04:42:20.78	40° 43.41′	112° 03.50′	10.0	0.2	11	130	2	0.08
200807	17:06:48.86	37° 05.13′	112° 33.22′	15.4	1.7W	16	91	5	0.20
200808	04:53:13.22	40° 44.07′	112° 04.96′	7.4	0.4	16	91	2	0.08
200808	05:11:27.32	40° 43.70′	112° 02.97′	7.3	0.0	10	117	1	0.10
200808	07:42:46.40	41° 49.27′	111° 39.99′	9.1	1.1	21	70	8	0.14
200808	07:55:30.71	37° 53.46′	113° 00.77′	11.6*	2.9W	32	41	24	0.19
200808	10:42:14.37	41° 48.85′	111° 40.01′	10.3	0.6	10	94	8	0.07
200808	12:37:18.03	40° 44.42′	112° 03.08′	9.1	0.3	15	106	3	0.16
200808	19:15:12.99	40° 45.51′	112° 04.31′	8.7	0.2	11	117	1	0.06
200808	20:18:15.10	40° 29.56′	110° 54.61′	10.0	1.1	12	77	14	0.17
200809	00:11:20.38	40° 44.34′	112° 02.55′	8.4	0.2	10	98	9	0.09
200809	10:02:55.96	39° 39.51′	111° 17.37′	-3.5	1.1W	12	102	8	0.20

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200810	01:36:34.29	37° 09.90′	113° 28.17′	17.0	1.0	7	138	26	0.06
200810	02:25:57.48	40° 44.18′	112° 04.74′	9.5	0.4	17	66	2	0.09
200810	06:38:58.64	40° 44.33′	112° 03.46′	7.2	0.9W	21	85	2	0.14
200810	12:27:18.13	42° 15.64′	111° 35.20′	11.7	1.0	8	276	23	0.04
200810	19:48:47.06	41° 27.80′	112° 19.17′	1.4*	1.6W	23	88	11	0.15
200810	19:53:30.05	41° 27.83′	112° 19.36′	0.9*	1.2W	18	89	11	0.15
200810	21:56:03.97	37° 09.68′	113° 34.54′	7.6	1.7	16	78	6	0.13
200810	21:56:14.71	41° 28.29′	112° 21.75′	4.1	0.1	6	137	10	0.04
200811	14:10:09.76	42° 09.58′	110° 12.09′	35.9	1.1	12	110	55	0.08
200812	04:52:27.70	38° 49.11′	111° 23.66′	4.4	0.9W	9	145	5	0.23
200812	11:30:34.48	40° 43.68′	112° 03.09′	9.2	1.0W	29	44	1	0.12
200812	11:36:47.99	40° 43.45′	112° 03.02′	8.6	1.0W	27	46	1	0.14
200812	15:47:22.76	40° 43.44′	112° 03.49′	10.3	0.8	12	91	4	0.06
200812	18:21:02.03	41° 26.95′	112° 17.51′	0.5*	1.0	13	98	12	0.18
200812	23:36:11.59	37° 27.76′	113° 18.96′	8.8	1.5W	16	66	11	0.16
200813	10:34:40.96	41° 27.15′	112° 18.12′	-0.2*	0.5	10	122	11	0.13
200813	11:48:01.69	41° 51.14′	112° 39.96′	0.7*	0.9	10	151	12	0.10
200813	14:23:05.18	42° 06.22′	112° 28.50′	6.4	1.1	9	124	6	0.10
200814	08:55:38.87	41° 27.56′	112° 20.04′	0.4	0.6W	8	133	10	0.08
200814	20:26:09.36	38° 15.14′	112° 40.03′	4.4	1.1	16	123	4	0.07
200815	00:17:33.44	41° 27.48′	112° 19.19′	0.0	1.5W	21	88	10	0.11
200815	01:11:53.34	38° 12.44′	113° 03.23′	-2.2*	2.0W	21	54	12	0.17
200815	02:07:15.08	41° 27.25′	112° 18.87′	0.3*	0.6	7	175	11	0.15
200815	08:09:42.52	37° 25.56′	114° 02.46′	11.6	1.4	10	108	17	0.14
200816	05:34:31.50	40° 45.05′	112° 04.01′	8.3	0.7	14	89	1	0.09
200816	05:53:17.58	40° 43.68′	112° 02.96′	9.4	0.9W	20	61	1	0.09
200816	08:28:44.74	40° 43.90′	112° 03.54′	10.0	0.4	15	108	2	0.08
200816	09:48:39.82	40° 44.46′	112° 04.09′	10.5	0.8	21	53	2	0.12
200816	10:49:35.27	41° 29.76′	112° 10.78′	0.5*	0.7	17	64	12	0.17
200816	11:45:42.87	40° 43.27′	112° 03.37′	9.3	0.5	15	96	2	0.11
200816	14:36:00.02	41° 27.49′	112° 19.24′	0.4	1.1W	19	89	10	0.14
200816	18:31:06.05	40° 44.22′	112° 04.55′	9.6	0.7	16	74	2	0.09
200816	18:31:06.09	40° 44.28′	112° 04.69′	9.4	0.7	15	79	2	0.11
200817	00:20:02.95	40° 44.52′	112° 03.08′	7.4	0.8W	23	50	2	0.13
200817	00:47:43.22	39° 43.09′	110° 49.35′	-3.4	1.2	9	198	7	0.19
200817	05:59:59.63	41° 49.57′	112° 23.62′	3.8*	0.2	8	128	13	0.05
200817	09:56:27.98	37° 39.09′	113° 07.41′	9.8	1.6W	15	79	7	0.18
200817	21:12:23.47	40° 43.33′	112° 03.55′	8.4	0.5	13	140	2	0.10
200817	22:36:03.38	41° 27.43′	112° 19.12′	0.8	1.1	8	174	10	0.14
200817	22:38:21.31	41° 27.47′	112° 20.38′	-0.1	1.1	14	90	9	0.14
200818	07:14:13.54	36° 52.19′	112° 15.34′	15.6*	2.0W	11	133	49	0.18
200818	08:21:32.35	40° 45.24′	112° 04.66′	9.1	0.6	12	97	0	0.04
200818	13:48:35.03	41° 49.29′	112° 23.71′	6.4*	1.4	20	83	13	0.09
200819	10:53:47.37	38° 21.25′	112° 14.55′	5.9*	1.0	18	92	34	0.19
200819	17:01:42.89	41° 27.65′	112° 19.19′	0.2*	1.5W	29	88	11	0.14

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200819	19:50:16.73	39° 42.38′	110° 41.46′	-2.3	1.0	10	112	5	0.07
200819	19:58:24.65	40° 42.85′	112° 05.26′	10.6	0.6	12	101	3	0.15
200819	20:58:27.17	41° 27.62′	112° 19.36′	-0.1*	1.1W	15	94	11	0.12
200820	01:30:33.36	40° 43.52′	112° 05.80′	8.0	0.2	8	168	3	0.05
200820	12:08:37.89	39° 45.13′	111° 10.02′	4.0*	1.6W	14	112	13	0.17
200820	16:17:10.03	37° 45.08′	111° 52.27′	10.6	2.5W	26	81	1	0.24
200820	19:43:59.16	40° 43.56′	112° 03.57′	9.8	0.2	7	240	3	0.06
200821	08:41:46.19	37° 30.17′	113° 27.75′	7.9	1.5W	12	67	10	0.11
200822	04:42:07.53	39° 24.14′	111° 04.18′	1.7*	1.1W	7	159	17	0.09
200822	09:33:23.89	39° 26.12′	111° 03.63′	6.4*	0.9W	12	112	20	0.09
200822	12:24:40.53	40° 44.19′	112° 05.70′	7.1	0.6	11	101	5	0.06
200822	14:11:40.78	37° 25.16′	113° 53.14′	4.9	1.0	7	131	5	0.08
200822	15:24:55.92	41° 52.85′	112° 36.26′	0.9*	1.7W	17	141	18	0.10
200822	15:29:53.50	41° 52.41′	112° 35.99′	1.5*	1.3	15	137	18	0.09
200823	10:18:22.39	40° 43.82′	112° 06.68′	9.9	0.5	19	70	3	0.13
200823	16:01:59.98	36° 54.11′	112° 20.00′	23.8	1.7W	6	174	24	0.06
200823	17:13:13.94	40° 43.73′	112° 03.72′	7.9	0.9W	23	50	2	0.12
200823	23:40:32.77	40° 29.34′	111° 18.79′	13.1	0.4	11	101	2	0.16
200824	05:42:04.25	40° 29.20′	111° 19.89′	13.4	1.2W	23	102	2	0.14
200824	22:51:26.61	37° 29.88′	113° 28.12′	3.6*	1.0	9	105	11	0.07
200825	01:41:23.06	38° 07.33′	112° 20.07′	3.1*	1.3W	8	134	16	0.11
200825	01:41:39.02	38° 06.86′	112° 20.71′	3.3*	1.0	8	175	16	0.11
200825	04:15:23.86	40° 42.60′	112° 03.26′	9.3	0.8	22	61	2	0.09
200825	06:38:34.55	38° 48.86′	111° 22.75′	1.4	1.7	7	161	5	0.05
200825	11:24:04.92	38° 09.95′	112° 20.10′	6.0*	1.5W	14	123	50	0.25
200825	16:43:12.21	40° 43.54′	112° 06.58′	8.9	0.2	11	147	3	0.11
200825	21:29:22.33	40° 43.74′	112° 03.69′	10.0	0.9W	20	84	2	0.11
200826	02:13:49.55	39° 31.88′	110° 20.04′	-2.4*	1.4	11	141	11	0.11
200827	05:53:50.96	40° 44.36′	112° 03.87′	5.6	0.7	20	91	2	0.15
200827	09:37:47.68	40° 45.00′	112° 02.60′	7.2	1.1W	35	49	3	0.17
200827	11:46:13.85	41° 42.18′	109° 55.08′	-3.3	3.3W	20	56	7	0.19
200827	14:26:01.57	39° 23.36′	111° 55.30′	14.0	1.6W	15	82	16	0.13
200828	00:32:05.64	41° 40.62′	112° 50.47′	7.7	1.5W	19	194	13	0.11
200828	12:45:45.61	37° 43.50′	113° 12.31′	-0.2*	1.2W	11	115	12	0.12
200828	16:18:29.85	37° 12.55′	113° 30.36′	10.5*	1.2W	15	128	32	0.18
200828	20:16:00.79	40° 43.74′	112° 03.91′	6.8	0.6	12	99	7	0.06
200828	21:07:41.79	37° 28.97′	113° 28.57′	7.7	1.4W	14	78	13	0.27
200828	23:08:28.20	37° 44.30′	113° 00.74′	11.4	1.2W	13	108	9	0.05
200829	14:45:45.02	40° 44.35′	112° 05.82′	8.9	0.1	6	211	10	0.05
200829	17:44:35.60	38° 34.89′	112° 38.66′	4.4*	0.7	12	171	17	0.07
200829	22:04:03.71	40° 45.19′	112° 03.60′	10.3	0.3	5	230	12	0.02
200830	02:46:38.71	39° 42.47′	110° 44.43′	-3.4	0.3	6	153	3	0.08
200830	04:08:56.71	41° 37.71′	109° 52.50′	-3.4*	1.9W	13	80	13	0.12
200830	06:12:42.08	41° 19.61′	111° 47.43′	5.9*	0.6	11	121	28	0.18
200830	13:06:14.59	41° 05.01′	111° 33.46′	10.3	1.3W	21	74	10	0.13

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200830	14:24:00.23	38º 08.37′	112º 48.18′	11.8	1.0	16	97	17	0.08
200830	14:43:22.00	39º 45.38′	110º 52.64′	1.8	1.6W	12	189	8	0.26
200830	22:17:56.70	37º 52.31′	113º 04.14′	14.2	1.1	10	171	27	0.12
200831	07:31:26.26	37º 30.45′	113º 47.83′	8.7	1.0	12	59	7	0.12
200831	10:46:12.07	40º 43.61′	112º 03.82′	11.4	0.8	14	85	3	0.08
200831	10:46:22.12	40º 43.64′	112º 03.49′	10.4	1.0	15	92	3	0.10
200831	10:53:45.24	40º 43.61′	112º 03.55′	10.3	0.3	16	90	2	0.09
200831	14:32:30.90	36º 57.93′	112º 54.02′	17.1	2.6W	18	81	9	0.10
200831	23:13:09.16	39º 44.95′	110º 55.24′	1.7*	1.5	6	257	12	0.22
200901	05:06:57.25	40º 43.70′	112º 03.67′	10.3	0.6	16	86	2	0.11
200901	18:40:29.19	41º 26.82′	112º 16.98′	0.4*	0.9	10	150	12	0.10
200901	22:07:38.99	40º 43.87′	112º 03.47′	10.4	1.8W	30	49	2	0.10
200902	13:39:04.72	41º 28.48′	111º 44.17′	9.4	0.8W	22	64	12	0.14
200902	20:10:59.34	37º 30.10′	113º 28.58′	0.3*	1.0	7	104	11	0.20
200903	02:17:47.29	38º 46.14′	111º 35.11′	15.0	1.0	6	213	14	0.02
200903	03:48:39.07	40º 43.72′	112º 04.88′	9.5	0.5	17	70	3	0.08
200903	10:03:06.42	41º 53.15′	112º 25.38′	3.1	0.3	7	96	9	0.07
200903	14:36:40.79	38º 25.46′	112º 51.39′	4.7	-0.1	8	251	4	0.05
200903	15:08:36.32	40º 43.45′	112º 03.34′	11.1	0.3	11	190	4	0.08
200903	15:43:27.63	38º 15.28′	112º 36.38′	5.2	0.5	15	226	4	0.14
200903	17:41:44.14	40º 26.76′	113º 33.43′	2.8*	1.8	12	115	69	0.15
200903	19:28:16.92	38º 28.93′	112º 51.76′	0.0	-0.5	5	161	2	0.02
200903	22:32:41.49	41º 28.35′	112º 19.95′	-2.2*	1.1W	15	106	11	0.11
200904	00:37:11.44	37º 28.94′	113º 46.12′	7.4	1.2	11	90	8	0.15
200904	03:11:51.68	37º 29.55′	113º 46.57′	8.5	1.7W	13	93	8	0.06
200904	13:19:17.82	38º 25.02′	112º 50.13′	4.1	0.3	14	200	5	0.11
200905	11:21:16.72	41º 28.09′	112º 19.80′	0.2*	1.1W	17	89	11	0.11
200905	23:50:48.32	38º 25.31′	112º 51.50′	4.7	-0.3	9	252	4	0.03
200906	11:48:46.76	38º 14.25′	112º 32.80′	11.2*	1.7W	22	74	37	0.12
200906	15:24:56.74	41º 27.73′	112º 19.10′	0.3*	0.8W	12	95	11	0.15
200907	03:10:52.05	41º 49.55′	112º 41.40′	4.3	1.1	10	146	9	0.15
200907	03:13:47.53	41º 50.14′	112º 41.62′	2.2	0.6	7	154	9	0.05
200907	03:16:37.66	38º 09.84′	112º 21.90′	11.4*	1.4	11	255	50	0.30
200907	04:18:29.60	41º 49.97′	112º 42.33′	7.1	1.3W	14	158	8	0.08
200907	06:34:13.90	41º 50.36′	112º 41.90′	5.2	1.0	13	159	9	0.06
200907	07:38:42.93	39º 45.45′	110º 50.81′	1.8	1.5	8	171	7	0.23
200907	07:53:52.49	38º 41.51′	112º 32.40′	2.5*	0.6	8	146	12	0.06
200907	10:40:56.61	38º 29.62′	112º 50.40′	0.0	0.1	13	137	1	0.12
200907	23:38:42.97	37º 52.68′	113º 15.58′	10.9	1.3	9	112	19	0.09
200908	04:31:54.00	39º 41.47′	111º 31.43′	7.0*	1.9W	24	86	28	0.14
200908	06:06:22.34	41º 54.12′	112º 24.60′	3.5	0.7	8	96	8	0.03
200908	14:22:33.95	40º 43.00′	112º 03.97′	9.5	1.3W	22	58	3	0.16
200908	23:03:42.45	38º 28.69′	112º 51.48′	-0.1	-0.2	7	179	2	0.07
200909	01:54:21.22	39º 31.53′	110º 20.74′	1.7*	1.7	10	134	11	0.19
200909	07:24:13.67	37º 26.33′	112º 58.82′	8.9	0.7W	10	191	16	0.09

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200909	21:07:52.22	42º 02.63′	112º 34.57′	9.3	0.6	6	172	12	0.06
200910	03:40:43.18	41º 26.79′	112º 18.74′	0.5	1.0W	14	98	10	0.12
200910	05:20:34.30	41º 27.03′	112º 19.95′	0.8	0.3	9	138	9	0.16
200911	01:41:17.05	37º 44.38′	114º 01.47′	8.1*	1.3	9	77	34	0.06
200911	02:28:14.09	40º 42.07′	111º 37.65′	8.1	0.4	10	96	10	0.06
200911	21:46:04.26	37º 43.61′	112º 20.61′	1.8*	0.9	13	89	32	0.31
200912	05:50:50.15	40º 43.45′	112º 04.01′	9.2	0.2	12	99	3	0.09
200912	09:36:10.07	40º 45.68′	112º 04.84′	8.9	0.3	17	116	1	0.15
200912	10:26:03.48	41º 47.36′	112º 21.44′	4.0*	0.2	7	121	15	0.05
200912	11:51:22.70	38º 28.91′	112º 51.05′	0.6	-0.5	9	199	2	0.08
200912	12:59:31.41	36º 58.15′	112º 53.70′	15.9	1.4W	13	87	8	0.15
200913	14:03:58.94	40º 43.33′	112º 04.63′	6.7	0.8	12	82	3	0.10
200913	17:37:40.04	38º 35.73′	112º 36.17′	4.6*	1.3	13	140	14	0.12
200914	07:51:07.62	38º 36.43′	112º 34.97′	0.8*	1.3	10	201	12	0.07
200914	07:54:26.23	38º 37.80′	112º 35.34′	1.3*	0.9	9	218	13	0.11
200914	08:03:45.88	38º 34.00′	112º 33.99′	2.4*	1.4	12	180	11	0.04
200914	09:03:22.90	36º 59.14′	113º 36.98′	7.3*	1.5W	17	140	33	0.18
200914	10:45:43.66	38º 36.15′	112º 36.37′	4.8*	2.4W	27	75	14	0.17
200914	11:11:32.45	38º 35.32′	112º 36.03′	6.1*	1.3	9	172	14	0.09
200914	11:24:09.27	38º 37.44′	112º 36.82′	0.4*	1.4W	13	190	15	0.12
200914	18:34:35.14	39º 23.68′	110º 13.39′	-3.4	1.8W	9	224	9	0.23
200914	18:50:17.73	40º 02.03′	111º 22.76′	7.8*	1.9W	39	64	22	0.23
200914	22:47:45.04	38º 14.86′	112º 34.45′	7.4	0.9	20	96	7	0.15
200914	23:25:29.11	38º 33.67′	112º 34.95′	1.6*	0.4	12	156	13	0.05
200914	23:48:06.37	38º 17.63′	112º 45.90′	7.8*	0.2	12	187	20	0.05
200915	07:33:35.07	41º 50.60′	112º 42.42′	4.1	2.8W	32	165	9	0.13
200915	07:35:55.79	41º 50.81′	112º 42.30′	1.5	2.2W	23	166	9	0.11
200915	07:47:14.53	41º 50.93′	112º 44.58′	7.8	0.5	9	189	8	0.17
200915	08:10:27.91	41º 51.53′	112º 43.48′	0.2	0.8	12	182	10	0.18
200915	16:06:57.02	38º 33.97′	112º 35.30′	2.7*	0.9	10	176	13	0.03
200915	19:24:46.22	38º 33.70′	112º 35.31′	5.0*	1.0	12	179	13	0.06
200915	20:36:31.62	38º 32.92′	112º 33.75′	2.6*	0.8	12	191	12	0.08
200915	23:25:53.60	40º 27.77′	111º 56.41′	7.9	0.9	17	148	1	0.10
200916	01:41:55.38	41º 50.86′	112º 43.81′	6.1	0.9	8	180	8	0.12
200916	02:53:41.29	39º 31.18′	111º 06.54′	3.5*	1.0W	10	129	16	0.13
200916	03:56:32.39	40º 43.73′	112º 03.77′	9.1	1.7W	39	37	2	0.15
200916	05:29:52.76	36º 57.76′	112º 53.64′	17.5	1.8W	14	144	9	0.11
200916	06:19:21.46	38º 34.57′	112º 35.63′	6.4*	0.9	12	142	13	0.05
200916	09:19:12.56	41º 52.79′	112º 23.38′	5.4	0.6	9	97	8	0.14
200916	15:26:40.89	38º 16.60′	108º 54.68′	0.9	3.4W	19	83	4	0.13
200916	21:16:36.65	40º 45.21′	112º 04.60′	6.9	0.5	17	97	0	0.14
200917	01:54:25.81	38º 28.80′	112º 50.41′	0.1	0.1	10	230	3	0.10
200917	04:57:04.91	38º 02.54′	112º 57.17′	12.3	0.9	11	203	8	0.04
200917	05:45:06.27	36º 58.38′	113º 37.11′	7.9*	2.0W	18	142	34	0.21
200917	05:49:58.05	39º 22.58′	111º 55.17′	6.0*	0.6	6	120	17	0.08

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200917	17:09:56.21	41° 52.93′	112° 43.36′	5.6*	1.0	13	188	12	0.16
200918	08:21:49.46	41° 51.07′	112° 43.39′	2.6	0.9	7	178	9	0.16
200918	21:15:52.36	39° 33.63′	110° 21.30′	-2.8	1.3W	10	119	7	0.06
200919	05:12:50.80	39° 17.56′	111° 56.01′	1.7*	1.0	6	111	22	0.11
200919	09:16:52.54	39° 24.87′	111° 04.88′	2.2*	1.3W	15	86	17	0.12
200919	19:07:51.84	39° 37.97′	112° 04.73′	1.4*	2.5W	32	46	27	0.21
200919	23:50:34.20	39° 37.87′	112° 05.44′	11.1*	1.0	8	168	27	0.10
200920	01:03:56.36	40° 44.29′	112° 03.56′	8.4	0.5	12	79	2	0.08
200920	02:23:35.39	39° 38.41′	112° 04.03′	-0.5*	1.7W	29	78	26	0.18
200920	02:23:50.86	39° 38.32′	112° 04.43′	2.4*	2.5W	37	63	27	0.29
200920	02:45:37.07	39° 38.22′	112° 03.59′	3.6*	1.8W	26	44	26	0.18
200920	03:56:36.81	41° 45.99′	111° 42.62′	18.2	2.7W	24	69	6	0.11
200920	04:47:29.79	40° 43.84′	112° 03.43′	9.1	0.3	19	97	2	0.12
200920	04:47:33.19	40° 44.34′	112° 03.44′	10.4	0.5	12	173	2	0.10
200920	09:54:38.49	39° 36.91′	112° 04.66′	12.0*	1.3	8	202	26	0.10
200920	10:41:57.26	39° 38.27′	112° 05.49′	6.7*	0.9	7	208	28	0.03
200920	12:20:19.12	38° 16.33′	112° 38.03′	5.2	0.9	12	217	1	0.07
200920	15:20:31.08	41° 46.14′	111° 42.93′	15.8	1.8W	28	70	6	0.16
200920	15:50:17.31	41° 21.01′	111° 39.32′	1.4*	1.0W	19	88	17	0.14
200921	09:11:33.22	42° 01.83′	112° 30.29′	0.3*	0.7	12	137	13	0.13
200921	12:04:27.74	38° 36.42′	112° 36.08′	1.8*	--	7	202	13	0.18
200921	19:12:43.03	40° 56.08′	111° 31.07′	11.7	1.3W	14	79	9	0.12
200921	23:02:14.28	41° 50.80′	112° 18.89′	5.2	0.8	17	74	9	0.18
200921	23:07:01.99	37° 03.79′	112° 52.10′	21.2	0.8W	12	120	7	0.13
200922	01:11:25.69	40° 19.89′	111° 26.00′	8.0	1.0	16	163	12	0.14
200923	05:53:45.12	40° 44.30′	112° 03.25′	4.9	0.6	16	91	3	0.11
200924	04:47:45.20	37° 18.06′	114° 10.84′	6.6*	1.7W	16	140	28	0.22
200924	11:23:46.74	38° 28.88′	112° 50.11′	0.2	0.9	9	241	3	0.08
200924	21:10:57.97	40° 44.20′	112° 02.65′	9.7	0.7	10	105	1	0.07
200925	01:34:12.06	41° 59.46′	112° 34.20′	6.3*	1.8	23	156	18	0.13
200925	02:32:28.42	39° 41.67′	111° 15.53′	11.6	0.9	12	183	8	0.09
200925	02:45:34.55	41° 59.33′	112° 33.95′	5.9*	1.3	17	155	18	0.11
200925	08:23:02.82	38° 42.13′	112° 16.31′	14.7	1.7	19	118	18	0.11
200925	09:29:10.97	40° 46.03′	112° 05.04′	10.4	1.0	27	59	2	0.10
200925	13:21:22.64	41° 52.39′	112° 22.78′	6.9	0.8	10	87	8	0.10
200925	17:30:05.51	38° 35.23′	112° 35.80′	0.9*	1.0	11	188	13	0.06
200925	19:38:45.74	39° 43.19′	111° 16.23′	11.7	1.3	16	117	11	0.12
200925	21:09:41.32	41° 24.88′	113° 16.46′	9.7*	1.6	20	234	58	0.25
200925	22:38:52.14	40° 08.50′	109° 28.63′	8.1*	2.6	12	99	48	0.12
200926	13:00:56.86	39° 03.70′	111° 23.59′	-1.0	1.4	6	130	8	0.02
200926	13:03:18.54	41° 38.18′	111° 41.57′	14.3	1.0	20	76	10	0.19
200926	13:17:54.60	38° 13.81′	112° 22.96′	6.1*	0.6	12	263	42	0.07
200926	18:38:44.34	40° 45.50′	111° 56.87′	6.3	0.6	6	155	7	0.08
200926	19:40:52.50	39° 21.63′	112° 06.12′	10.7	1.6W	8	122	6	0.09
200927	00:05:30.79	41° 26.85′	112° 20.02′	1.4	0.5	5	189	9	0.04

Table 2. Earthquakes in the Utah Region: July 1–September 30, 2020

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
200927	12:32:23.14	41º 50.50′	112º 19.23′	5.1	0.3	8	129	10	0.10
200927	12:36:53.31	41º 54.68′	112º 34.24′	2.9*	1.5	20	139	21	0.09
200928	02:50:21.69	40º 45.09′	112º 03.24′	6.4	0.5	15	97	2	0.08
200928	04:59:50.03	40º 44.58′	112º 04.06′	7.7	0.8	15	92	1	0.06
200928	14:26:35.99	38º 39.68′	112º 35.91′	10.1	1.2	12	117	14	0.14
200928	15:02:04.13	38º 58.15′	111º 20.20′	-3.5	1.6	5	129	4	0.07
200928	20:07:29.10	39º 02.16′	111º 25.96′	1.3	1.4	6	215	8	0.34
200928	23:19:02.01	41º 54.69′	112º 34.56′	0.8*	2.0	23	141	21	0.14
200928	23:30:21.72	41º 55.14′	112º 34.48′	-0.1*	1.5	17	142	21	0.11
200928	23:42:48.95	41º 54.17′	112º 33.75′	12.8	0.8	6	134	20	0.09
200929	08:55:22.16	36º 45.47′	113º 02.75′	21.2	2.7W	19	100	33	0.16
200929	09:18:06.80	41º 17.08′	111º 45.49′	10.2	0.7	11	76	20	0.12
200929	20:04:38.14	40º 43.59′	112º 03.78′	9.4	0.7	16	86	2	0.08
200930	03:54:30.34	36º 58.08′	112º 53.88′	20.2	1.7W	17	143	9	0.13
200930	13:23:56.67	38º 32.96′	112º 35.08′	1.7*	1.0	11	186	14	0.07
200930	19:57:22.78	41º 32.12′	112º 23.35′	6.9	1.9W	30	92	13	0.15
200930	20:56:25.93	38º 07.39′	113º 11.47′	2.4*	2.1W	24	48	17	0.15
200930	20:57:27.34	38º 07.35′	113º 11.06′	0.5*	1.9W	14	87	16	0.14
200930	23:14:44.59	38º 13.31′	112º 19.38′	4.8*	2.8W	31	45	44	0.23
200930	23:43:19.33	38º 07.09′	113º 11.18′	0.8*	1.3	10	118	17	0.10

number of earthquakes = 605
* indicates poor depth control
M indicates moment magnitude
W indicates Wood-Anderson data used for magnitude calculation

Table 3
UNIVERSITY OF UTAH REGIONAL/URBAN SEISMIC NETWORK
Operating Seismograph Stations
September 30, 2020

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[ZEN]	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
FOR3	Blundell North, UT	HH[ZEN]	3	UU	38° 30.80′	112° 52.85′	1699	Trillium 120	ANSS-130	Digital	Utah
		EN[ZEN]	3								
FOR4	Blundell West, UT	HH[ZEN]	3	UU	38° 29.92′	112° 53.79′	1657	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
FORW	Milford Wind Farm, UT	EN[ZEN]	3	UU	38° 33.76′	112° 56.21′	1516	EpiSensor	Obsidian	Digital	Utah

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
FPU	Francis Peak, UT	EHZ	1	UU	41° 01.58′	111° 50.21′	2816	L4C	PSN	Analog	USGS
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	PSN	Analog	USGS
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	Etna	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			
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,	EN[ZEN]	3	UU	40° 46.69′	112° 01.72′	1281	EpiSensor	Etna2	Digital	ANSS

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
	Salt Lake City, UT										
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
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	3T	ANSS-130	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[ZEN]	3	IW	43° 36.76′	110° 36.30′	2245	3ESP	RT-130	Digital	ANSS
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	EHZ	1	UU	41° 27.70′	111° 30.45′	2664	18300	PSN	Analog	USGS
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			

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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[ZEN]	3	IW	43° 44.92′	110° 44.69′	2128	3ESP	RT-130	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	EHZ	1	UU	41° 11.94′	111° 52.73′	2743	S13	PSN	Analog	USGS
MPU	Maple Canyon, UT	EN[ZEN]	3	UU	40° 00.93′	111° 38.00′	1909	EpiSensor	ANSS-130	Digital	ANSS
		HH[ZEN]	3					3ESP			USGS
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	ANSS-130	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
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° 33.77′	112° 01.61′	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

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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
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

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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			
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	Etna	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

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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	3ESP	RT-130	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	EHZ	1	UU	39° 53.29′	111° 47.45′	2024	18300	PSN	Analog	USGS
SVWY	Solvay Mine, WY	HH[ZEN]	3	UU	41° 27.02′	109° 51.88′	1950	Trillium 120	Centaur	Digital	Utah
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

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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
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	

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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	Taurus	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
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

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
		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	Compact	ANSS-130	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: 993 data channels from 314 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 JULY 1–SEPTEMBER 30, 2020

None