

EARTHQUAKE ACTIVITY IN THE UTAH REGION

Preliminary Epicenters

October 1 – December 31, 2015

Prepared by the University of Utah Seismograph Stations and funded by
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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 through 02:00 (2:00 a.m.) on November 1 and MST thereafter.
- Earthquake location coordinates in degrees and minutes of north latitude and west longitude, and depth in kilometers below sea level. Note that prior to October 1, 2012 the earthquake depths in these quarterly reports were computed relative to a datum of 1500 m above sea level.
- "*" indicates poor depth resolution: no recording stations within 10 km or twice the depth.
- MAG, the computed Richter local magnitude (M_L) for each earthquake. "W" indicates that peak amplitude measurements from Wood-Anderson records were used. Otherwise, the estimate is calculated from signal durations and is more correctly identified as coda magnitude (M_C). The notation "--" indicates that a reliable magnitude estimate could not be made.
- NO, the number of P and S readings used in the solution.
- GAP, the largest azimuthal separation in degrees between recording stations used in the solution.
- DMN, the epicentral distance in kilometers to the closest station.
- RMS, the weighted root-mean-square of the travel-time residuals in seconds:

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

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

EARTHQUAKE ACTIVITY IN THE UTAH REGION October 1 – December 31, 2015

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During the three-month period October 1 through December 31, 2015, the University of Utah Seismograph Stations (UUSS) located 243 earthquakes within the Utah region (Figure 1). The total includes one earthquake in the magnitude 3 range, and 27 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. One earthquake was reported felt during the report period (see Table 1, a cumulative tabulation of earthquakes during 2015 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/EOCENTER/QUARTERLY/quarterly.htm>.

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 (see http://www.seis.utah.edu/shake/shake_trigger_area_09.pdf.) 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.seis.utah.edu/shake>. Earthquakes during 2015 for which ShakeMaps are available are indicated in Table 1.

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

Earthquakes of Magnitude 3.0 or Larger

M_L 3.0 November 8 19:55 MST 25 mi WNW of Green River, WY

Other Notable Seismicity

During the report period, there were three notable spatial cluster 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 13 earthquakes ($0.3 \leq M \leq 2.2$) occurred about 13 mi WNW of Garland, UT. Eight of these events, including a magnitude 2.2 shock, occurred between November 5 and November 19.
- B. A cluster of 16 earthquakes ($0.3 \leq M \leq 2.1$) occurred about 12 mi W of Garland, UT. Five of these events, including a magnitude 2.1 shock, occurred between November 2 and November 9.
- C. A cluster of 12 earthquakes ($0.7 \leq M \leq 2.1$) occurred about 7 mi SW of Nephi, UT. Ten of these events, including a magnitude 2.1 shock, occurred between October 10 and October 12.

In Figure 1, the locally clustered seismic events within a radius of approximately 30 miles of Price, together with a localized cluster about 50 miles to its southwest, are associated with known areas of underground coal mining and are interpreted to be mining-related. These include a total of 38 located shocks ($0.9 \leq M \leq 1.9$) that occurred throughout the report period.

Seismicity of the Utah Region October 1, 2015 - December 31, 2015

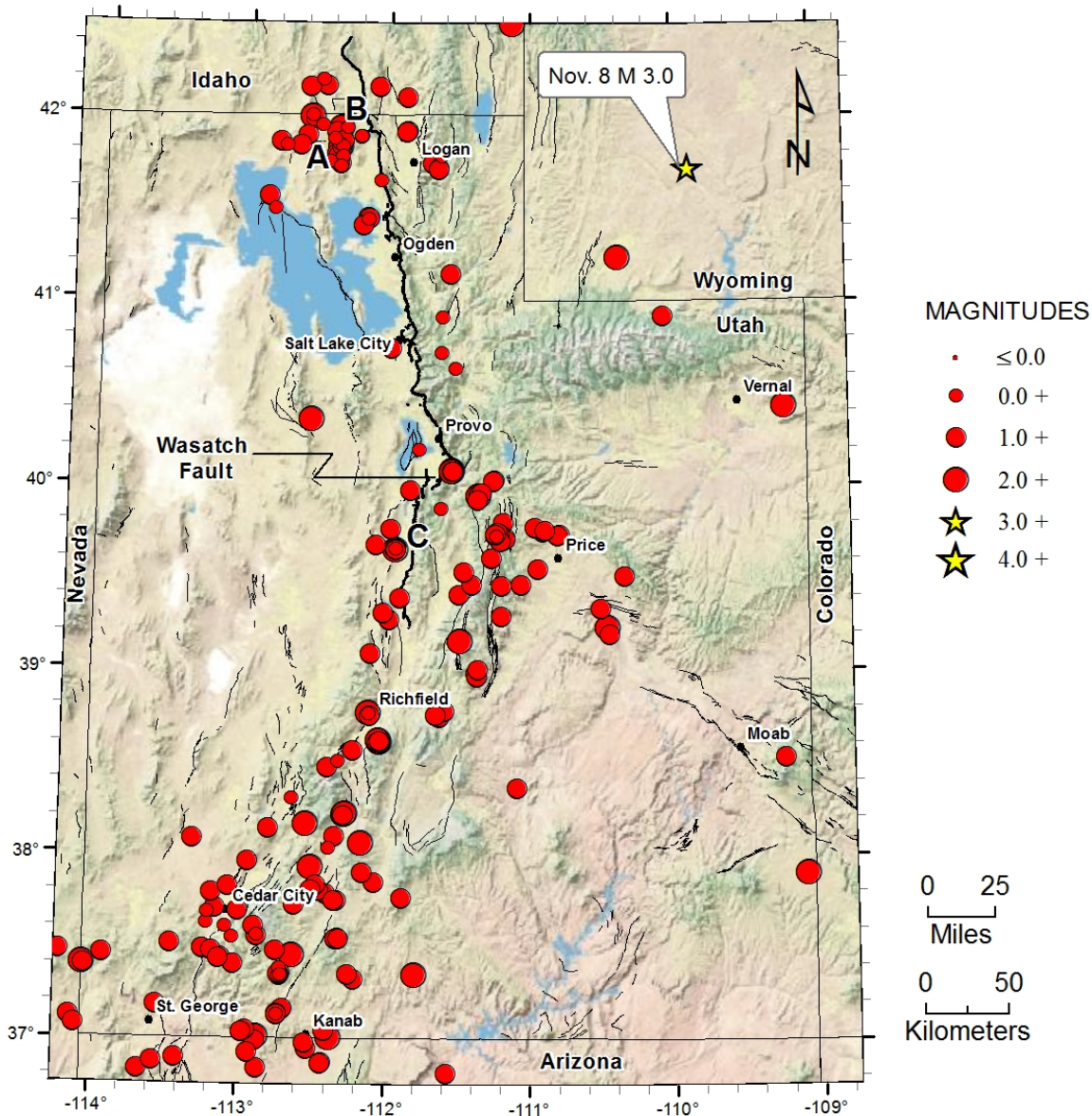


Figure 1. Earthquake epicenters, located by the University of Utah Seismograph Stations, superimposed on a map of Quaternary (geologically young) faults compiled by the Utah Geological Survey (black lines). The Wasatch fault is shown in bold. Earthquakes of magnitude 3.0 and larger are labeled by local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

Table 1

**EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION
January 1, 2015 to December 31, 2015**

Date	Time†	Felt Information‡	Latitude	Longitude	Magnitude§
January 3	11:02 MST 18:02 UTC	Utah. <i>CIIM</i> . Felt (III) Nephi (?), UT.	39° 23.07'	111° 54.19'	M _L 2.4
January 25 January 26	21:31 MST 04:31 UTC	Utah. <i>CIIM</i> . Felt (II) at Park City, UT.	40° 44.24'	111° 31.25'	M _L 2.3
February 5	00:27 MST 07:27 UTC	Utah. <i>CIIM</i> . Felt (III) at Richfield, UT.	38° 45.51'	112° 07.61'	M _L 2.9
February 8 February 9	17:54 MST 00:54 UTC	Utah. <i>ShakeMap</i> .	41° 40.95'	109° 53.41'	M _L 3.5
February 17 February 18	17:01 MST 00:01 UTC	Utah. <i>CIIM</i> . Felt (II) at Aguanga (?), CA.	37° 29.33'	114° 03.09'	M _L 2.4
February 19	06:26 MST 13:26 UTC	Utah. <i>CIIM</i> . Felt (III) at West Jordan (?), UT and (II) at Smithfield, Hyde Park, UT.	41° 53.21'	111° 54.84'	M _L 2.1
February 22	13:39 MST 20:39 UTC	Utah. <i>CIIM</i> . Felt (II) at Milford, UT.	38° 15.82'	112° 37.75'	M _L 2.5
May 9	11:41 MDT 17:41 UTC	Utah. <i>ShakeMap</i> . <i>CIIM</i> . Felt (IV) at Salt lake City, UT, (III) at Park City, Coalville, UT, and (II) at Bountiful, South Jordan, American Fork, Kamas, UT.	40° 50.73'	111° 35.57'	M _L 3.0

Table 1

**EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION
January 1, 2015 to December 31, 2015**

May 22	12:47 MDT 18:47 UTC	Nevada. <i>ShakeMap</i> . <i>CIIM</i> . Felt (IV) at Caliente, Logandale, Las Vegas, NV, (III) at St. George, Dammeron, Ivins, Veyo, Santa Clara, Central, La Verkin, Hurricane, Nephi (?), UT, Hiko, Alamo, Mesquite, Overton, Indian Springs, Pioche, Henderson, Pahrump, Jean, Searchlight (?), NV, Littlefield, Colorado City, Dolan Springs, Golden Valley (?), AZ, and (II) at Newcastle, New Harmony, Cedar City, Milford, Orderville, Kanab (?), UT, Boulder City, Sloan, Laughlin, Reno (?), NV, Meadview, Kingman, Fort Mohave, Bullhead City, Lake Havasu City, Chandler (?), AZ.	37° 17.30'	114° 38.41'	M _L 5.4
May 22 May 23	23:14 MDT 05:14 UTC	Nevada. <i>ShakeMap</i> . <i>CIIM</i> . Felt (II) at Newcastle, Santa Clara, Washington, UT, Caliente, NV.	37° 27.00'	114° 10.99'	M _L 3.4
May 31	09:07 MDT 15:07 UTC	Utah. <i>ShakeMap</i> .	38° 04.53'	112° 23.81'	M _L 3.2
July 4	10:00 MDT 16:00 UTC	Utah. <i>ShakeMap</i> . <i>CIIM</i> . Felt (IV) at Panguitch, UT and (II) at Bryce Canyon, UT.	37° 50.84'	112° 27.94'	M _w 4.1
November 2	05:34 MST 12:34 UTC	Utah. <i>CIIM</i> . Felt (III) at Provo(?), UT and (II) at Mapleton, Spanish Fork, Salem, Springville, Payson, Orem, Pleasant Grove, Uinta National Forest, Saratoga Springs, Salt Lake City(?), UT.	40° 04.72'	111° 33.02'	M _L 2.9

† Times are listed both as Local Time—Mountain Standard Time (MST) or Mountain Daylight Time (MDT)—and as Universal Coordinated Time (UTC).

? Indicates on-line reports that appear questionable given the distance from the source

‡ *CIIM* indicates the availability of a Community Internet Intensity Map (<http://earthquake.usgs.gov/earthquakes/dyfi/archives.php>), compiled by the U.S. Geological Survey (USGS); *ShakeMap* indicates the availability of computer-generated maps of ground-shaking (<http://www.seis.utah.edu/shake/archive>), produced by the University of Utah Seismograph Stations (UUSS). Roman numerals correspond to the Modified Mercalli intensity scale. Unless otherwise indicated, felt information is from the USGS (1) CIIM reports and/or (2) PDE Monthly (or) Weekly Listing Files (<http://earthquake.usgs.gov/research/data/pde.php>).

§ Richter local magnitude (M_L) or 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 December 31, 2015

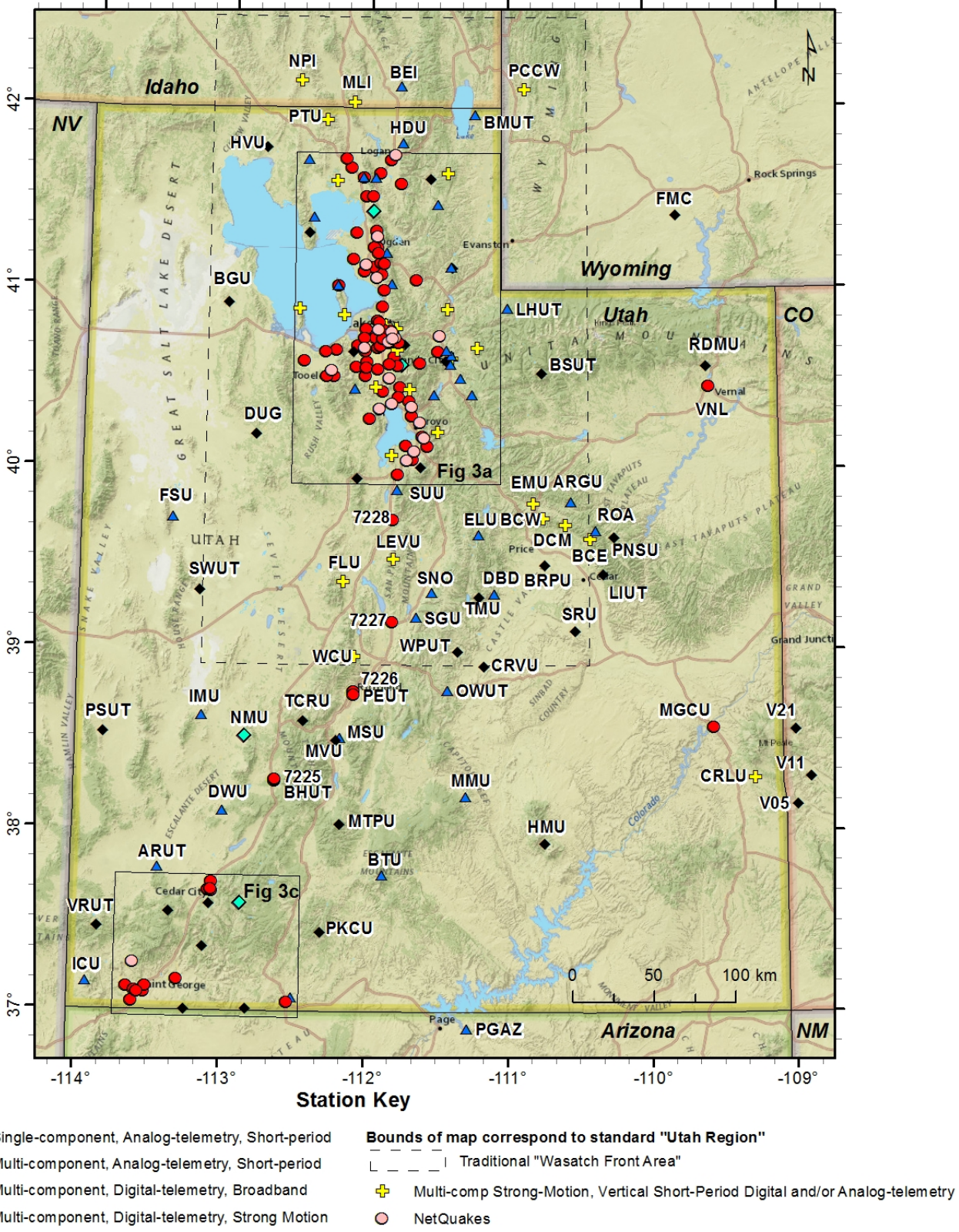


Figure 2

Utah Urban Seismic Network (December 31, 2015)

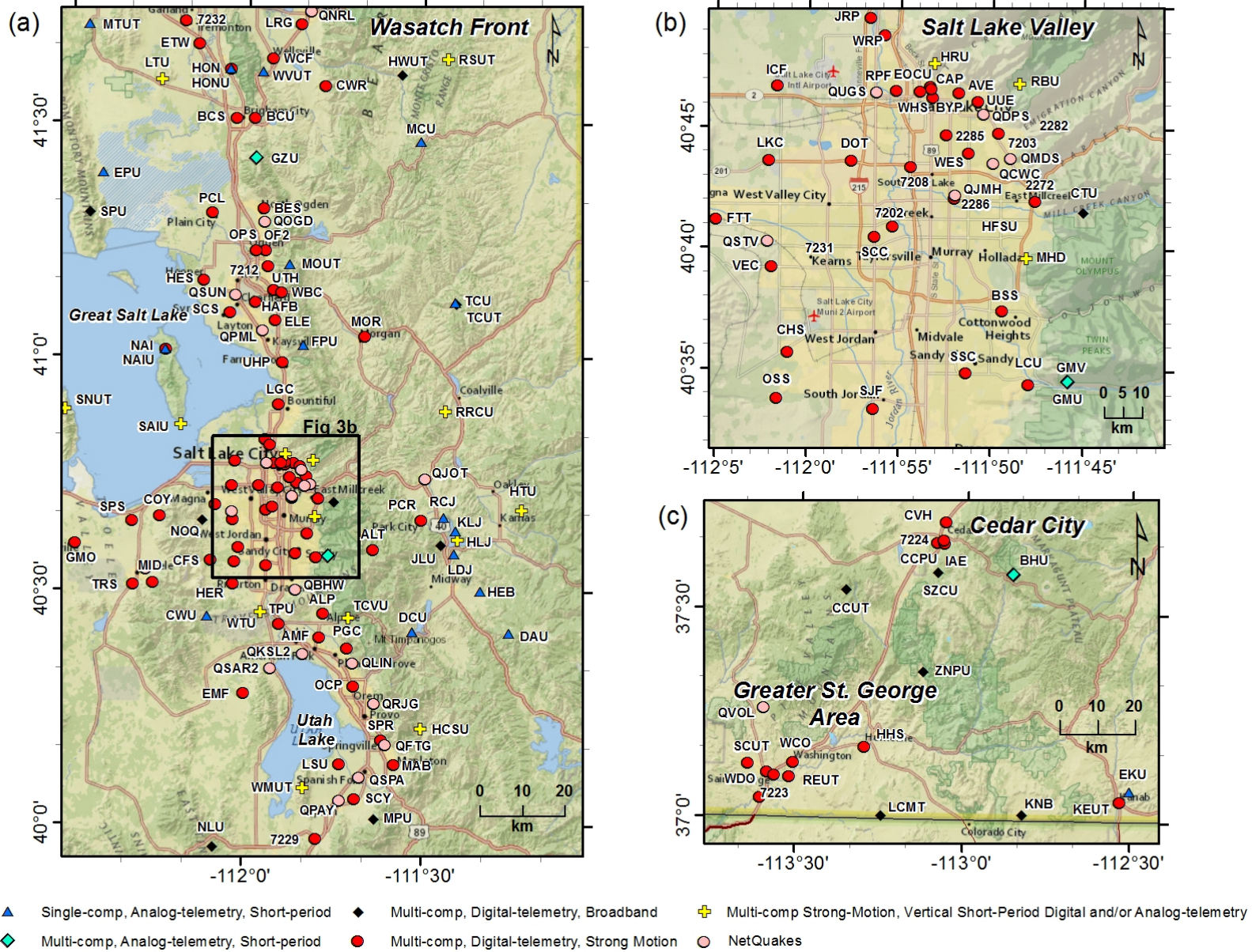


Figure 3

Table 2. Earthquakes in the Utah Region: October 1–December 31, 2015

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
151001	00:58:49.77	42° 29.51'	111° 08.03'	4.4*	2.2W	14	284	60	0.24
151001	08:27:25.85	37° 53.82'	112° 09.23'	6.0*	1.2	11	74	16	0.18
151001	16:19:49.54	41° 43.92'	112° 22.86'	3.1	0.7	8	112	9	0.06
151001	23:17:13.00	38° 36.29'	112° 02.73'	11.3	2.2W	21	68	15	0.19
151002	00:28:21.03	39° 43.77'	111° 14.17'	1.6	1.9	14	75	10	0.16
151002	03:40:57.45	38° 36.20'	112° 02.59'	8.8	1.8W	24	67	15	0.19
151002	20:21:22.03	40° 37.78'	111° 31.67'	-0.8	0.8W	11	155	3	0.17
151002	22:35:11.85	36° 52.29'	112° 25.00'	24.1	1.9	9	275	24	0.13
151003	10:14:06.27	39° 43.77'	111° 14.68'	1.5*	1.5	11	109	11	0.21
151003	14:06:21.29	38° 36.20'	112° 02.68'	9.8	1.1	15	83	15	0.10
151003	14:28:36.92	38° 21.59'	111° 05.42'	3.5*	1.4	8	192	25	0.23
151003	23:57:10.00	39° 31.74'	111° 27.85'	7.5*	1.2	18	94	24	0.20
151004	08:36:04.24	38° 01.84'	112° 23.19'	3.2*	0.8	7	193	18	0.20
151005	11:47:37.90	38° 17.82'	112° 38.41'	3.5	0.9	12	61	2	0.27
151005	12:02:59.44	39° 42.19'	111° 10.74'	-1.8	1.4	12	136	7	0.14
151005	15:34:36.48	41° 51.35'	112° 47.52'	6.6	1.0	13	203	9	0.15
151006	05:58:55.14	39° 55.20'	111° 22.31'	3.5*	1.3W	21	88	25	0.30
151006	10:45:57.03	38° 36.78'	112° 02.62'	6.6*	1.0	15	125	16	0.17
151006	12:32:17.07	38° 35.96'	112° 02.38'	9.6	1.2	15	82	15	0.10
151006	13:27:18.30	39° 32.66'	110° 56.76'	-0.1*	1.9W	18	84	19	0.14
151006	15:09:57.02	39° 43.85'	111° 14.90'	1.6*	1.6	13	82	11	0.20
151007	03:11:11.09	38° 36.47'	112° 02.59'	6.4*	1.4W	23	82	16	0.18
151007	12:12:22.32	39° 43.43'	111° 14.10'	0.7	1.5W	17	75	10	0.21
151008	03:15:58.95	39° 43.59'	111° 14.49'	1.7	1.3	9	116	10	0.19
151008	08:13:47.06	38° 57.56'	111° 22.44'	-1.1	1.7	7	87	4	0.06
151008	12:51:03.08	39° 09.07'	111° 29.56'	5.6*	2.0W	22	51	14	0.13
151008	15:25:09.67	39° 43.69'	111° 14.39'	1.5	1.5W	12	104	10	0.18
151008	18:44:08.88	41° 46.29'	112° 21.24'	7.5	0.5	10	95	14	0.11
151009	00:29:43.56	38° 58.65'	111° 22.71'	-0.9	1.3	6	124	3	0.01
151009	08:30:14.37	41° 53.28'	112° 36.42'	5.1*	1.1	18	144	18	0.15
151010	07:17:56.47	39° 41.51'	111° 12.66'	-2.7	1.2	8	134	6	0.14
151010	13:24:26.80	39° 39.49'	111° 56.70'	-0.2*	1.3	22	68	20	0.21
151010	14:04:59.21	36° 49.70'	113° 39.66'	5.8*	1.5	14	224	42	0.10
151010	15:04:43.47	39° 38.95'	111° 56.68'	5.2*	1.1	6	128	19	0.08
151011	00:49:39.19	41° 47.25'	112° 23.67'	6.0*	1.9W	27	77	14	0.14
151011	02:55:01.40	39° 38.87'	111° 56.55'	3.3*	2.0W	28	56	19	0.16
151011	10:58:35.37	39° 39.38'	111° 56.61'	-2.0*	1.5	19	58	20	0.18
151011	11:00:45.10	39° 39.13'	111° 56.83'	1.1*	1.6W	22	57	20	0.20
151011	11:38:33.47	39° 39.15'	111° 56.66'	3.2*	1.2	8	129	20	0.06
151011	11:43:50.58	39° 39.01'	111° 57.14'	0.7*	1.5W	25	39	13	0.24
151011	13:49:41.76	37° 45.71'	111° 53.04'	16.2	1.7W	14	88	1	0.11
151011	14:02:19.40	39° 39.11'	111° 56.91'	6.5	1.8W	24	60	13	0.21
151011	20:16:50.49	38° 30.20'	112° 19.58'	2.7	0.6	6	145	10	0.06
151012	04:12:00.50	39° 39.28'	111° 56.60'	5.9*	1.3	5	129	20	0.01
151012	04:15:06.83	39° 39.41'	111° 56.85'	3.5*	1.4	7	130	20	0.10

Table 2. Earthquakes in the Utah Region: October 1–December 31, 2015

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
151012	18:45:14.17	39° 44.21'	111° 13.98'	-2.4*	1.9	15	76	11	0.13
151013	05:13:08.56	38° 44.95'	112° 06.91'	3.0*	1.5W	16	78	24	0.12
151013	05:13:22.13	38° 45.93'	112° 07.17'	6.6*	2.2W	17	110	22	0.26
151013	05:14:18.14	38° 45.68'	112° 07.35'	5.9*	0.9	7	178	23	0.17
151013	14:49:57.08	37° 02.49'	112° 24.33'	19.8	1.9	6	256	9	0.05
151013	21:16:25.78	37° 30.51'	113° 27.55'	-0.8	1.7	9	106	10	0.16
151015	08:03:21.37	41° 52.68'	112° 13.20'	0.2	0.8	10	102	10	0.09
151015	11:24:53.01	37° 26.04'	113° 07.45'	10.6	1.0	12	109	9	0.07
151015	16:20:15.00	39° 43.59'	111° 14.74'	1.7	1.6	10	133	10	0.23
151016	02:09:42.92	40° 11.17'	111° 47.17'	10.2	0.9	15	135	13	0.16
151016	13:40:00.72	39° 24.18'	111° 29.87'	8.5	1.6W	19	75	10	0.17
151016	22:53:09.10	37° 49.32'	113° 04.32'	4.4*	1.1	7	280	25	0.04
151017	01:54:01.94	39° 43.06'	111° 13.45'	1.5	1.5	8	249	9	0.18
151017	02:25:36.07	39° 39.25'	111° 56.59'	3.1*	0.7	7	129	20	0.10
151017	02:33:39.89	41° 52.81'	112° 12.60'	0.3*	0.7	9	122	11	0.20
151017	16:52:21.72	39° 46.20'	110° 57.92'	2.5*	1.4	5	277	14	0.26
151018	05:34:45.18	41° 53.04'	112° 12.86'	0.3	0.5	6	121	10	0.21
151018	20:00:41.40	37° 47.16'	112° 24.14'	9.9*	1.9W	15	74	34	0.18
151019	12:04:30.51	40° 21.23'	112° 32.85'	8.1*	2.2W	23	95	29	0.18
151020	02:22:26.95	37° 03.99'	114° 05.59'	12.9	1.4	7	201	18	0.05
151020	07:33:33.55	41° 56.47'	112° 29.80'	1.1*	0.3	7	123	14	0.15
151020	08:21:39.82	39° 40.23'	112° 04.75'	3.6*	1.0	8	166	29	0.24
151020	10:02:59.95	37° 20.59'	112° 42.13'	6.0*	0.7	7	98	31	0.06
151020	10:07:51.52	37° 09.21'	112° 41.61'	9.2*	1.7W	16	101	19	0.16
151020	11:07:29.38	39° 44.64'	111° 13.90'	-3.3*	1.3	10	79	12	0.29
151020	11:35:10.48	39° 16.00'	111° 59.13'	6.6*	1.4	15	79	20	0.22
151020	19:02:18.59	37° 22.88'	112° 42.70'	5.9*	0.9	7	107	27	0.12
151020	19:07:57.54	39° 18.29'	112° 01.61'	18.3	1.0	7	152	15	0.13
151020	19:23:24.29	37° 20.92'	112° 42.25'	15.9	0.9	9	124	31	0.15
151020	19:28:02.22	38° 36.39'	112° 03.38'	14.2	1.4W	11	143	15	0.16
151021	10:01:56.25	39° 43.94'	111° 14.56'	1.7*	1.5	9	109	11	0.19
151021	11:01:07.78	39° 44.12'	111° 13.69'	1.7*	1.5	11	79	11	0.23
151021	13:36:18.93	39° 19.67'	110° 30.33'	9.6	1.8W	12	129	19	0.19
151021	15:00:07.46	39° 42.86'	111° 11.91'	-1.5	1.6	10	139	8	0.15
151021	19:10:28.95	37° 21.00'	112° 42.78'	6.9*	1.4W	12	89	30	0.18
151022	02:08:21.26	39° 44.44'	111° 13.86'	-3.0*	1.8W	21	77	11	0.19
151022	02:08:21.87	39° 44.30'	111° 13.93'	3.2*	1.7W	23	76	11	0.23
151022	11:54:04.86	38° 33.71'	112° 13.73'	-1.8	1.3W	11	88	7	0.15
151022	12:28:15.33	37° 21.34'	112° 42.30'	6.0*	1.5	9	200	36	0.13
151022	22:24:05.95	39° 43.75'	111° 13.97'	1.5	1.5W	13	76	10	0.21
151022	23:20:26.45	41° 08.50'	111° 33.89'	16.1	1.6W	18	133	13	0.11
151023	09:54:00.02	39° 43.20'	111° 14.49'	1.8	0.9	6	133	9	0.22
151023	12:20:17.58	37° 23.66'	114° 02.98'	8.0*	2.5W	19	115	19	0.21
151023	18:54:01.61	41° 59.42'	112° 34.35'	4.2*	2.4W	27	153	18	0.18
151024	11:07:25.62	37° 49.98'	112° 28.20'	9.4*	1.4	13	103	34	0.12

Table 2. Earthquakes in the Utah Region: October 1–December 31, 2015

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
151024	13:44:53.76	41° 59.63'	112° 34.33'	6.9*	0.6	7	158	18	0.08
151024	16:06:04.00	39° 43.92'	111° 14.82'	1.7*	1.2W	18	76	11	0.21
151025	07:23:19.40	37° 36.31'	113° 05.01'	3.4	0.9	6	291	1	0.03
151025	08:29:26.40	40° 54.13'	111° 37.43'	11.1	0.8W	14	65	16	0.08
151026	04:32:58.77	41° 29.34'	112° 49.65'	3.2*	0.8	11	245	33	0.08
151026	19:26:59.08	39° 30.29'	110° 20.40'	-0.9	1.4W	10	141	9	0.13
151027	02:09:55.92	41° 51.25'	112° 20.72'	7.4	1.0	6	121	9	0.04
151027	02:09:55.94	41° 51.51'	112° 20.54'	7.2	1.0	14	79	8	0.08
151027	10:46:20.78	37° 23.28'	114° 02.62'	7.2*	1.0	11	114	18	0.11
151027	14:13:14.53	39° 43.62'	111° 13.97'	1.6	1.8	13	74	10	0.17
151028	01:46:38.29	37° 42.21'	113° 09.27'	1.6	1.5	10	193	7	0.26
151028	04:09:44.32	41° 49.94'	112° 39.12'	1.1*	1.0	12	136	12	0.16
151028	07:53:14.99	37° 10.52'	113° 32.85'	14.2*	1.3W	11	143	33	0.12
151029	00:36:13.96	41° 50.05'	112° 44.98'	1.4	0.9	8	188	6	0.07
151029	06:00:20.01	41° 55.75'	112° 19.17'	7.5	0.6	9	89	0	0.12
151029	06:18:06.66	37° 47.84'	112° 26.91'	17.8*	1.5	10	97	36	0.08
151029	06:51:04.21	37° 48.29'	112° 30.42'	6.0*	1.2	6	150	54	0.11
151029	07:22:10.59	38° 05.72'	112° 20.78'	1.8*	1.4W	9	80	15	0.30
151029	07:46:21.16	39° 43.62'	110° 48.63'	-3.4	1.4	9	191	6	0.17
151030	05:33:04.64	39° 23.23'	111° 54.81'	16.0	1.0	17	80	16	0.24
151030	08:48:08.31	39° 39.61'	111° 57.15'	1.8*	1.2	10	81	21	0.09
151030	22:40:09.27	41° 24.09'	112° 11.87'	3.6*	1.0	17	95	18	0.12
151031	17:58:29.30	42° 09.32'	112° 28.22'	1.4	1.1	9	111	4	0.09
151031	17:59:09.57	42° 11.32'	112° 29.83'	4.9	0.4	5	273	5	0.04
151101	06:35:12.20	37° 00.29'	112° 22.30'	14.8	2.3W	19	127	14	0.22
151101	17:42:14.88	38° 31.25'	109° 14.05'	13.0	1.7	7	137	23	0.11
151101	20:26:24.83	39° 47.61'	111° 11.22'	6.6*	1.8W	22	86	17	0.13
151102	12:34:48.48	40° 04.72'	111° 33.02'	1.1	2.9W	54	74	10	0.21
151102	12:49:43.21	40° 04.47'	111° 33.09'	1.4	2.0W	27	74	10	0.21
151102	12:58:46.66	37° 20.43'	112° 42.45'	6.0*	1.5	8	196	35	0.12
151102	13:48:43.15	40° 04.33'	111° 32.69'	-3.4	1.8W	23	75	10	0.18
151102	13:48:43.97	40° 04.41'	111° 33.04'	0.2	1.8W	27	74	10	0.16
151102	17:36:03.32	38° 44.52'	111° 38.01'	19.2	1.3	6	237	19	0.06
151102	19:11:12.98	41° 44.65'	112° 26.45'	0.2	0.7	9	106	8	0.09
151103	01:40:57.97	39° 27.43'	111° 24.45'	1.7*	1.6W	15	81	19	0.18
151103	11:10:17.39	39° 45.06'	110° 53.87'	1.8	1.3	6	160	10	0.26
151104	14:47:25.40	39° 05.10'	112° 06.84'	13.0	1.6	9	143	14	0.12
151104	15:43:21.26	40° 44.05'	111° 59.19'	0.9*	1.1	11	115	15	0.11
151104	16:38:20.14	38° 59.82'	111° 22.10'	-1.6	1.1W	13	105	1	0.14
151104	18:55:32.59	36° 50.30'	112° 51.43'	18.1	1.3	8	250	20	0.04
151105	07:06:17.16	41° 49.49'	112° 21.34'	0.7*	0.8	8	110	12	0.12
151106	13:05:11.39	37° 20.92'	112° 14.77'	11.4	1.3	7	176	12	0.10
151106	17:05:48.68	37° 02.75'	112° 56.29'	15.3	1.3	6	156	11	0.02
151106	23:28:17.12	41° 50.65'	112° 22.66'	1.8	0.9	7	126	10	0.26
151107	01:55:05.86	37° 27.29'	113° 55.21'	4.7	1.3	6	279	6	0.12

Table 2. Earthquakes in the Utah Region: October 1–December 31, 2015

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
151107	06:20:33.67	37° 50.82'	112° 04.56'	14.3	1.3	8	110	20	0.13
151107	08:56:46.05	39° 52.22'	111° 37.54'	0.9*	0.9	7	204	14	0.06
151107	19:01:47.01	37° 33.29'	112° 52.14'	6.7	1.5	12	98	4	0.06
151107	22:03:27.70	41° 54.30'	112° 23.79'	1.6	1.8W	16	93	7	0.15
151108	09:49:55.17	40° 25.27'	109° 12.28'	24.7	2.3W	15	133	35	0.10
151108	18:12:24.96	37° 27.81'	114° 12.96'	17.2*	1.5	10	156	43	0.07
151109	02:55:09.83	41° 42.70'	109° 52.12'	-1.7*	3.0W	26	155	35	0.25
151109	05:06:10.30	37° 40.90'	113° 12.32'	5.2*	0.8	9	192	14	0.10
151109	16:02:02.81	38° 28.21'	112° 24.24'	11.9	1.5W	7	121	16	0.09
151109	16:12:16.38	41° 49.58'	112° 21.96'	0.2*	2.1	17	79	12	0.17
151109	18:56:00.70	41° 46.50'	112° 23.41'	5.7*	1.2	15	74	13	0.08
151109	22:29:25.95	37° 19.29'	112° 12.26'	4.7*	1.8	8	185	17	0.09
151110	04:15:42.66	37° 43.37'	112° 37.10'	14.2	1.6W	17	91	26	0.15
151110	05:58:36.39	40° 01.25'	111° 15.52'	8.3*	1.8W	45	54	32	0.15
151110	05:58:36.64	40° 01.44'	111° 15.28'	3.5*	1.8W	28	97	32	0.22
151110	20:55:33.28	37° 41.30'	113° 00.17'	11.2	1.4W	13	130	8	0.06
151110	23:55:56.23	39° 44.14'	111° 13.03'	-2.0*	1.4W	15	75	11	0.14
151111	10:28:33.71	38° 04.81'	113° 19.23'	1.2*	1.4	11	126	28	0.15
151112	20:33:22.71	39° 36.33'	111° 16.48'	-0.8	1.3W	14	160	7	0.09
151113	02:50:47.02	37° 44.94'	112° 19.64'	5.7*	1.5	8	156	34	0.14
151113	05:22:32.97	37° 45.01'	112° 21.09'	6.0*	1.4	7	101	36	0.28
151113	08:18:25.94	37° 33.59'	112° 52.10'	6.8	0.9	7	140	4	0.04
151114	01:48:18.83	38° 36.47'	112° 02.94'	9.5	1.7W	24	67	15	0.14
151114	21:46:09.38	37° 36.30'	112° 53.30'	16.8	1.3	14	176	3	0.11
151116	02:09:43.48	41° 46.56'	111° 38.07'	13.1	0.7	11	187	20	0.11
151116	14:53:40.82	36° 53.42'	113° 24.80'	23.1	1.4	7	229	20	0.05
151118	04:59:07.53	37° 57.48'	112° 56.48'	13.4	1.4	18	93	17	0.11
151118	10:42:00.60	37° 26.21'	113° 06.99'	10.9	1.4	12	117	9	0.05
151118	10:59:23.15	37° 53.83'	109° 05.74'	1.3*	2.1	11	136	30	0.08
151119	14:28:45.80	38° 57.71'	111° 22.55'	-1.2	1.2W	5	142	4	0.01
151119	23:44:15.10	39° 42.84'	111° 10.48'	-2.7	1.4	7	139	9	0.12
151120	02:41:42.77	41° 49.53'	112° 21.43'	0.0*	1.2	18	78	12	0.20
151120	14:51:19.46	37° 20.33'	112° 43.15'	8.5*	0.9	10	193	35	0.24
151121	11:30:59.74	38° 03.63'	112° 10.01'	8.4	2.3W	21	49	3	0.16
151121	12:28:21.19	37° 32.26'	112° 18.78'	6.0	1.4	15	129	10	0.19
151121	15:28:05.82	39° 44.74'	110° 54.84'	-3.4*	1.6W	26	40	11	0.25
151122	00:08:36.18	37° 32.61'	112° 19.21'	3.0*	1.6	12	125	11	0.19
151122	08:35:47.81	39° 17.40'	111° 12.34'	-3.0	1.4	12	67	1	0.08
151123	13:25:51.69	42° 09.10'	112° 35.23'	0.8	1.1	8	253	6	0.08
151125	17:20:26.24	39° 58.05'	111° 50.64'	10.2	1.5W	20	63	10	0.14
151125	19:34:58.70	41° 13.93'	110° 22.85'	13.0*	2.5W	17	177	64	0.23
151126	06:36:37.27	41° 42.18'	111° 39.59'	7.9*	1.7W	14	97	20	0.15
151126	06:36:37.39	41° 42.53'	111° 39.47'	5.3*	1.7W	15	98	20	0.20
151129	15:51:24.64	37° 24.21'	113° 01.43'	18.5	1.0	8	171	10	0.06
151130	03:50:39.39	37° 09.52'	112° 41.16'	9.4*	1.4W	7	178	19	0.05

Table 2. Earthquakes in the Utah Region: October 1–December 31, 2015

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
151130	04:21:17.72	41° 54.58'	111° 52.90'	5.7*	1.4	13	141	24	0.09
151130	06:52:19.04	41° 54.40'	111° 53.26'	1.0*	1.3	19	138	24	0.11
151130	10:45:02.36	37° 07.92'	112° 43.56'	16.6	1.3	8	138	15	0.10
151130	10:46:06.32	38° 46.57'	111° 35.87'	6.0*	1.1	7	149	40	0.13
151130	10:53:11.23	37° 07.66'	112° 43.43'	18.2	1.5W	11	137	15	0.11
151130	13:00:31.59	41° 38.55'	112° 04.45'	7.4	0.8	9	100	4	0.04
151130	14:36:49.44	37° 07.83'	112° 43.39'	17.1	1.1	7	138	15	0.09
151201	11:02:30.54	37° 29.02'	113° 13.99'	8.8	1.5W	17	72	14	0.12
151201	12:13:22.08	37° 29.11'	113° 13.95'	8.0	1.2W	10	78	14	0.10
151202	04:07:49.69	41° 54.68'	111° 52.96'	0.0*	1.3	15	141	15	0.11
151202	22:35:19.51	37° 37.27'	113° 12.95'	3.5*	0.9	9	150	12	0.23
151203	18:43:36.79	39° 27.16'	111° 12.20'	-2.2*	1.2W	12	116	17	0.14
151203	23:56:20.29	39° 11.55'	110° 26.91'	8.6	1.1	17	169	11	0.18
151204	02:33:20.98	41° 43.13'	112° 21.88'	7.3	0.5	9	90	9	0.09
151204	06:15:51.33	36° 59.19'	112° 52.08'	17.3	1.7W	13	202	5	0.12
151204	07:45:34.85	39° 27.50'	111° 03.71'	1.4*	1.1W	9	79	16	0.16
151206	07:00:58.30	41° 44.37'	112° 21.36'	7.0	0.9	17	66	11	0.12
151206	09:40:42.37	39° 13.62'	110° 27.47'	13.6	2.1W	30	107	14	0.13
151206	15:06:11.15	37° 32.32'	112° 19.78'	12.8	1.6	9	134	11	0.28
151207	06:34:38.43	38° 08.06'	112° 48.03'	7.5*	1.9W	20	58	18	0.16
151207	12:29:47.81	40° 42.88'	111° 37.81'	6.6	0.9	20	103	10	0.10
151207	23:44:19.75	36° 48.79'	111° 34.43'	6.0*	1.8	9	163	87	0.36
151208	03:50:15.35	42° 05.47'	111° 53.12'	0.8*	1.1	14	236	21	0.09
151209	16:14:05.05	37° 02.06'	112° 57.69'	16.0	1.2	7	167	13	0.08
151211	05:42:03.22	37° 20.77'	111° 47.60'	46.6	2.3W	12	96	46	0.12
151212	07:57:17.93	41° 26.28'	112° 09.17'	0.3*	1.1	16	50	15	0.17
151212	09:31:56.29	41° 26.58'	112° 09.65'	4.7*	1.8W	21	52	16	0.16
151212	14:56:17.79	37° 26.87'	112° 37.54'	8.3*	2.2W	15	102	26	0.16
151212	14:59:12.31	41° 25.93'	112° 09.49'	3.4*	0.4	5	149	15	0.06
151214	13:17:23.51	37° 28.29'	113° 10.66'	1.8*	1.1	8	130	14	0.25
151214	18:19:25.64	40° 54.89'	110° 03.61'	15.4*	1.6	13	109	56	0.29
151215	09:44:56.88	37° 00.51'	112° 51.79'	18.4	2.2W	15	194	4	0.12
151215	10:44:24.34	41° 44.12'	111° 41.92'	0.8*	1.9W	20	162	18	0.18
151215	16:21:58.96	36° 52.32'	113° 33.86'	18.9	1.0	10	238	32	0.07
151215	16:56:03.46	38° 12.79'	112° 16.91'	-0.3*	2.5W	22	78	21	0.13
151215	17:11:18.85	38° 13.21'	112° 16.57'	5.2*	2.0W	15	76	21	0.19
151216	23:52:41.03	38° 12.37'	112° 17.25'	2.7*	1.5W	11	108	20	0.35
151217	16:12:36.29	38° 09.61'	112° 32.62'	3.2*	2.2W	17	80	34	0.25
151217	21:18:20.19	38° 36.86'	112° 03.11'	11.6	2.0W	22	84	16	0.18
151218	22:13:22.15	41° 52.21'	112° 24.55'	6.1	0.3	6	154	10	0.02
151219	09:02:51.80	41° 58.03'	112° 34.27'	1.5*	0.9	10	152	20	0.17
151219	12:22:48.71	41° 55.72'	112° 21.64'	9.3	2.2W	22	87	3	0.13
151222	10:38:49.34	37° 06.73'	114° 08.07'	12.4	1.7	10	195	19	0.21
151222	18:32:18.45	36° 51.80'	112° 25.47'	22.5	1.7	9	250	24	0.17
151223	11:17:33.57	36° 55.49'	112° 54.97'	19.4	1.2W	10	224	13	0.09

Table 2. Earthquakes in the Utah Region: October 1–December 31, 2015

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
151224	02:07:04.27	37° 47.28'	113° 11.07'	9.7*	1.4	10	247	23	0.12
151226	19:52:59.24	41° 33.61'	112° 52.42'	5.1*	1.1	14	221	26	0.07
151227	02:39:19.82	39° 43.93'	110° 47.94'	-3.4	1.7	6	98	5	0.23
151228	09:52:39.40	37° 07.60'	112° 43.28'	17.9	0.8	6	137	15	0.04
151228	17:22:49.16	38° 45.10'	111° 39.32'	4.1*	1.0	5	159	20	0.02
151228	23:27:53.91	41° 44.24'	112° 21.68'	4.0*	1.0	12	81	11	0.20
151229	00:15:22.10	37° 32.77'	113° 02.27'	3.5	0.9	6	127	7	0.02
151229	10:17:05.52	39° 45.51'	111° 58.66'	1.8*	1.6W	19	49	23	0.13
151229	23:42:27.23	41° 44.21'	112° 21.52'	4.7*	0.9	8	105	11	0.17
151230	01:59:47.22	37° 28.44'	112° 44.16'	13.3*	1.8W	18	95	34	0.14
151230	08:37:46.71	39° 56.26'	111° 21.95'	15.1*	2.0W	22	92	36	0.14
151230	08:46:23.43	39° 57.18'	111° 20.55'	3.5*	1.6	13	95	37	0.17
151230	08:56:33.92	39° 56.79'	111° 21.71'	11.1*	1.9W	30	92	37	0.19
151230	09:34:05.24	39° 56.63'	111° 21.71'	13.8*	1.8W	25	84	36	0.26
151230	21:32:27.68	42° 08.91'	112° 05.36'	9.1	1.2	9	259	14	0.04
151231	08:27:31.59	36° 56.57'	112° 31.18'	19.4	1.8W	11	240	15	0.11
151231	12:54:57.46	36° 58.44'	112° 32.22'	16.1	1.2	7	258	12	0.12
151231	16:06:17.91	37° 55.73'	112° 30.47'	5.3*	2.6W	23	56	31	0.26

number of earthquakes = 243

* indicates poor depth control

W indicates Wood-Anderson data used for magnitude calculation

M indicates moment magnitude, M_w

Table 3
UNIVERSITY OF UTAH REGIONAL/URBAN SEISMIC NETWORK
Operating Seismograph Stations
December 31, 2015

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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
7229	City Maintenance Shop Santaquin, UT	7229	HN[ZEN]	3	NP	39° 58.35'	111° 47.58'	1520	EpiSensor	Etna	Digital	NSMP, ANSS
7232	City Parks & Recreation Office Tremonton, UT	7232	HN[ZEN]	3	NP	41° 43.13'	112° 10.91'	1320	EpiSensor	Etna	Digital	NSMP, ANSS
AHI	Auburn, ID	AHID	BH[ZEN]	3	US	42° 45.92'	111° 06.02'	1960	*	*	Digital	USGS
ALP	Alpine Fire Station, Alpine, UT	ALP	EN[ZEN]	3	UU	40° 27.26'	111° 46.61'	1510	EpiSensor	K2	Digital	ANSS
ALT	Alta City Offices, Alta, UT	ALT	EN[ZEN]	3	UU	40° 35.42'	111° 38.25'	2635	Applied Mems	ANSS-130	Digital	ANSS
AMF	Tri-Cities Golf Course American Fork, UT	AMF	EN[ZEN]	3	UU	40° 24.11'	111° 47.27'	1445	EpiSensor	K2	Digital	ANSS
ANMO	Albuquerque, NM	ANMO	BH[ZEN]	3	IU	34° 57.01'	106° 27.61'	1743	*	*	Digital	USGS
ARGU	Argyle Ridge, UT	ARGU	EHZ	1	UU	39° 49.37'	110° 32.62'	2828	S13	PSN	Analog	Utah
ARUT	Antelope Range, UT	ARUT	EHZ	1	UU	37° 47.28'	113° 26.42'	1646	L4C	PSN	Analog	Utah
AVE	Avenues, Salt Lake City, UT	AVE	EN[ZEN]	3	UU	40° 46.47'	111° 51.83'	1387	Applied Mems	ANSS-130	Digital	ANSS
B206	Canyon206bwy2008, Yellowstone, WY	B206	EH[ZEN]	3	PB	44° 46.66'	110° 30.70'	2400	IESE-S2	Q330	Digital	PBO
B207	Madisn207bwy2007, Yellowstone, WY	B207	EH[ZEN]	3	PB	44° 37.14'	110° 50.91'	2182	IESE-S2	Q330	Digital	PBO
B208	Lakejn208bwy2008, Yellowstone, WY	B208	EH[ZEN]	3	PB	44° 33.61'	110° 24.09'	2406	IESE-S2	Q330	Digital	PBO
B944	Grantt944bwy2008, Yellowstone, WY	B944	EH[ZEN]	3	PB	44° 23.38'	110° 32.63'	2365	IESE-S2	Q330	Digital	PBO
B945	Pantr944swy2008, Yellowstone, WY	B945	EH[ZEN]	3	PB	44° 53.64'	110° 44.65'	2249	IESE-S2	Q330	Digital	PBO
B950	Norris950bwy2013, Yellowstone, WY	B950	EH[ZEN]	3	PB	44° 42.77'	110° 40.71'	2328	IESE-S2	Q330	Digital	PBO
BCE	Book Cliffs East, UT	BCE	EHZ EN[ZEN]	4	UU	39° 36.79'	110° 24.51'	2666	L4C EpiSensor	K2	Digital	Utah
BCS	Brigham City Maintenance Shop Brigham City, UT	BCS	EN[ZEN]	3	UU	41° 30.71'	112° 01.98'	1303	EpiSensor	K2	Digital	ANSS
BCU	Brigham City, UT	BCU	EN[ZEN]	3	UU	41° 30.74'	111° 58.93'	1676	EpiSensor	K2	Digital	ANSS
BCW	Book Cliffs West, UT	BCW	EHZ EN[ZEN]	4	UU	39° 43.82'	110° 44.55'	2614	L4C EpiSensor	K2	Digital	Utah
BEI	Bear River Range, ID	BEI	EHZ	1	UU	42° 07.00'	111° 46.94'	1859	L4C	PSN	Analog	USGS
BES	Bates Elementary School Ogden, UT	BES	EN[ZEN]	3	UU	41° 19.10'	111° 57.26'	1455	EpiSensor	K2	Digital	ANSS
BGMZ	Barton Gulch, MT	BGMT	EHZ	1	MB	45° 14.00'	112° 02.43'	2172	*	*	Analog	MBMT
BGU	Big Grassy Mountain, UT	BGU	EN[ZEN] HH[ZEN]	3 3	UU	40° 55.53'	113° 01.79'	1640	EpiSensor Trillium 120	Q330	Digital	ANSS

UURSN	Location	SEED	SEED	No. of	Network	Latitude	Longitude	Elevation	Sensor	Digitizer	Telemetry	Sponsor
Code		Station	Channel	Channels	Code			(meters)				
BHU	Blowhard Mountain, UT	BHU	EH[ZEN]	3	UU	37° 35.63'	112° 51.72'	3250	S13	PSN	Analog	Utah
BHUT	Beaver High School, UT	BHUT	EN[ZEN]	3	UU	38° 16.61'	112° 38.42'	1799	PA-23	SMART-24	Digital	Utah
BMUT	Black Mountain, UT	BMUT	EHZ	1	UU	41° 57.49'	111° 14.05'	2243	S13	PSN	Analog	USGS
BOZ	Bozeman, MT	BOZ	BH[ZEN]	3	US	45° 38.82'	111° 37.78'	1589	*	*	Digital	USGS
BRPU	Butcher Ranch, Price, UT	BRPU	HH[ZEN]	3	UU	39° 37.67'	110° 14.56'	1687	Trillium 240	Q330	Digital	Utah
			EN[ZEN]	3					EpiSensor			
BSS	Butlerville Substation Salt Lake City, UT	BSS	EN[ZEN]	3	UU	40° 37.45'	111° 49.37'	1411	EpiSensor	K2	Digital	ANSS
BSUT	Blindstream Canyon, Hanna, UT	BSUT	HH[ZEN]	3	UU	40° 32.19'	110° 45.67'	3211	Trillium 120	Q330	Digital	Utah
			EN[ZEN]	3					EpiSensor			
BTU	Barney Top, UT	BTU	EHZ	1	UU	37° 45.34'	111° 52.46'	3235	S13	PSN	Analog	Utah
BW0	Boulder, WY	BW06	BH[ZEN]	3	US	42° 46.00'	109° 33.50'	2224	*	*	Digital	USGS
BYP	Brigham Young Park Salt Lake City, UT	BYP	EN[ZEN]	3	UU	40° 46.26'	111° 53.23'	1323	Applied Mems	ANSS-130	Digital	ANSS
BZMZ	Bozeman Pass, MT	BZMT	EHZ	1	MB	45° 38.89'	110° 47.80'	1905	*	*	Analog	MBMT
CAPU	Capitol, Salt Lake City, UT	CAP	EN[ZEN]	3	UU	40° 46.71'	111° 53.40'	1384	Applied Mems	ANSS-130	Digital	ANSS
CCPU	Cedar City Park, UT	CCPU	EN[ZEN]	3	UU	38° 16.61'	112° 38.42'	1799	PA-23	SMART-24	Digital	Utah
CCUT	Cedar City, UT	CCUT	HH[ZEN]	3	UU	37° 33.04'	113° 21.77'	2124	STS-2	ANSS-130	Digital	USGS
			EN[ZEN]	3					Applied Mems			
CFS	Copperton Fire Station Copperton, UT	CFS	EN[ZEN]	3	UU	40° 33.96'	112° 05.61'	1654	EpiSensor	K2	Digital	ANSS
CHS	Copper Hills High School, West Jordan, UT	CHS	EN[ZEN]	3	UU	40° 35.68'	112° 01.03'	1460	Applied Mems	ANSS-130	Digital	ANSS
COM	Craters of the Moon, ID	COMI	EHZ	1	IE	43° 27.72'	113° 35.64'	1890	*	*	Digital	INL
COY	Coyote Canyon, Tooele Valley, UT	COY	EN[ZEN]	3	UU	40° 39.56'	112° 14.34'	1572	Applied Mems	ANSS-130	Digital	ANSS
CRLU	Curley Ranch, La Sal, UT	CRLU	EHZ	1	UU	38° 17.50'	109° 15.64'	2035	L4C	Basalt	Digital	Utah, USGS
			EN[ZEN]	3					Episensor			
CRMZ	Chrome Mountain, MT	CRMT	EHZ	1	MGB	45° 27.35'	110° 08.41'	2941	*	*	Analog	MBMT

UURSN	Location	SEED	SEED	No. of	Network	Latitude	Longitude	Elevation	Sensor	Digitizer	Telemetry	Sponsor
Code		Station	Channel	Channels	Code			(meters)				
CTU	Camp Tracy, UT	CTU	HH[ZEN]	3	UU	40° 41.55'	111° 45.02'	1731	40T	72A-07	Digital	USGS
CVH	Cedar City, Canyon View High School, UT	CVH	EN[ZEN]	3	UU	37° 42.91'	113° 03.85'	1724	PA-23	SMART-24	Digital	Utah
CVRU	Castle Valley Ranch, Emery, UT	CVRU	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	CWR	EN[ZEN]	3	UU	41° 34.90'	111° 46.89'	1837	Applied Mems	ANSS-130	Digital	ANSS
CWU	Camp Williams, UT	CWU	EHZ	1	UU	40° 26.75'	112° 06.13'	1945	L4C	PSN	Analog	USGS
DAU	Daniels Canyon, UT	DAU	EHZ	1	UU	40° 24.75'	111° 15.35'	2771	S13	PSN	Analog	USGS
DBD	Des Bee Dove, UT	DBD	EHZ	1	UU	39° 18.82'	111° 05.55'	2265	L4C	PSN	Analog	Utah
DCM	Dugout Coal Mine, UT	DCM	EHZ	1	UU	39° 41.70'	110° 35.00'	2537	L4C	Basalt	Digital	Utah
			EN[ZEN]	3					EpiSensor			
DCU	Deer Creek Reservoir, UT	DCU	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	DOT	EN[ZEN]	3	UU	40° 43.61'	111° 57.65'	1282	Applied Mems	ANSS-130	Digital	ANSS
DUG	Dugway, UT	DUG	BH[ZEN]	3	US	40° 11.70'	112° 48.80'	1477	STS-2	Q330	Digital	USGS
DWU	Dry Willow, UT	DWU	EHZ	1	UU	38° 06.32'	112° 59.85'	2270	S13	PSN	Analog	Utah
ECR	Eagle Creek, ID	ECRI	EHZ	1	IE	43° 03.24'	111° 22.26'	2086	*	*	Digital	INL
EKU	East Kanab, UT	EKU	EHZ	1	UU	37° 04.48'	112° 29.81'	1829	S13	PSN	Analog	Utah
ELE	East Layton Elementary School, East Layton, UT	ELE	EN[ZEN]	3	UU	41° 04.84'	111° 55.09'	1444	Applied Mems	ANSS-130	Digital	ANSS
ELK	Elko, NV	ELK	BH[ZEN]	3	US	40° 44.69'	115° 14.33'	2210	*	*	Digital	USGS
ELU	Electric Lake, UT	ELU	EHZ	1	UU	39° 38.41'	111° 12.23'	2970	L4C	PSN	Analog	Utah
EMF	Eagle Mountain Gas Tap, UT	EMF	EN[ZEN]	3	UU	40° 16.89'	111° 59.92'	1487	Applied Mems	ANSS-130	Digital	ANSS
EMU	Emma Park, UT	EMU	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	EOCU	EN[ZEN]	3	UU	40° 46.62'	111° 53.95'	1356	EpiSensor	Basalt	Digital	Utah
EPU	East Promontory, UT	EPU	EHZ	1	UU	41° 23.49'	112° 24.53'	1436	L4C	PSN	Analog	USGS
ETW	Elwood Town Hall, Elwood, UT	ETW	EN[ZEN]	3	UU	41° 40.15'	112° 08.53'	1305	Applied Mems	ANSS-130	Digital	ANSS
FLU	Fool's Peak, UT	FLU	EHZ	1	UU	39° 22.69'	112° 10.29'	1951	18300	Basalt	Digital	USGS
			EN[ZEN]	3					EpiSensor			

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
FPU	Francis Peak, UT	FPU	EHZ	1	UU	41° 01.58'	111° 50.21'	2816	L4C	PSN	Analog	USGS
FSU	Fish Springs, UT	FSU	EHZ	1	UU	39° 43.35'	113° 23.48'	1487	18300	PSN	Analog	Utah
FTT	Fire Training Tower, Magna, UT	FTT	EN[ZEN]	3	UU	40° 41.16'	112° 04.99'	1381	Applied Mems	ANSS-130	Digital	ANSS
FLWY	Flagg Ranch, WY	FLWY	BH[ZEN]	3	IW	44° 04.96'	110° 41.96'	2078	3ESP	RT-130	Digital	ANSS
FMC	FMC Mine, Green River, WY	FMC	HH[ZEN]	3	UU	41° 24.49'	109° 46.67'	1903	40T	RT-130	Digital	Utah
GBI	Big Grassy Butte, ID	GBI	EHZ	1	IE	43° 59.22'	112° 03.78'	1541	*	*	Digital	INL
GCAZ	Grand Canyon, AZ	GCAZ	EHZ	1	AR	36° 03.51'	112° 11.02'	2072	*	*	Analog	NAU
GMO	Grantsville Maintenance Office, Grantsville, UT	GMO	EN[ZEN]	3	UU	40° 36.04'	112° 28.48'	1320	Applied Mems	ANSS-130	Digital	ANSS
GMU	Granite Mountain, UT	GMU	EH[ZEN]	3	UU	40° 34.53'	111° 45.79'	1829	S13	PSN	Analog	USGS
GRR	Grays Lake, ID	GRRRI	EHZ	1	IE	42° 56.28'	111° 25.32'	2207	*	*	Digital	INL
GZU	Grizzly Peak, UT	GZU	EH[ZEN]	3	UU	41° 25.53'	111° 58.50'	2646	S13	PSN	Analog	USGS
H17A	Grant Village (YNP), WY	H17A	BH[ZEN]	3	TA	44° 23.71'	110° 34.57'	2400	STS-2	Q330	Digital	NSF
HAFB	Hill Air Force Base, Hill AFB, UT	HAFB	EN[ZEN]	3	UU	41° 07.07'	111° 58.55'	1471	Applied Mems	ANSS-130	Digital	Utah
HCSU	Hobble Creek, Springville, UT	HCSU	EHZ	1	UU	40° 12.40'	111° 30.14'	1789	L4C	Basalt	Digital	Utah, USGS
			EN[ZEN]	3					EpiSensor			
HDU	Hyde Park, UT	HDU	EHZ	1	UU	41° 48.18'	111° 45.99'	1807	L4C	PSN	Analog	USGS
HEB	Heber, UT	HEB	EHZ	1	UU	40° 30.09'	111° 20.15'	1925	S13	PSN	Analog	Utah
HER	Herriman Fire Station Herriman, UT	HER	EN[ZEN]	3	UU	40° 30.94'	112° 01.85'	1502	EpiSensor	K2	Digital	ANSS
HES	Hooper Elementary School Hooper, UT	HES	EN[ZEN]	3	UU	41° 09.89'	112° 07.30'	1292	EpiSensor	K2	Digital	ANSS
HHA	Hell's Half Acre, ID	HHAI	EHZ	1	IE	43° 17.70'	112° 22.74'	1371	*	*	Digital	INL
HHS	Hurricane High School, UT	HHS	EN[ZEN]	3	UU	37° 10.43'	113° 17.74'	987	EpiSensor	Etna	Digital	Utah
HLI	Hailey, ID	HLID	BH[ZEN]	3	US	43° 33.75'	114° 24.83'	1772	*	*	Digital	USGS
HLJZ	Hailstone, UT	HLJ	EHZ	1	UU	40° 36.64'	111° 24.05'	1931	S13	PSN	Analog	Utah
			EN[ZEN]	3					FBA23	K2	Digital	
HMU	Henry Mountain, UT	HMU	HH[ZEN]	3	UU	37° 56.28'	110° 44.51'	2430	Trillium 120	Q330	Digital	Utah
			EN[ZEN]	3					EpiSensor			
HON	Honeyville, UT	HON	EN[ZEN]	3	UU	41° 36.97'	112° 03.05'	1528	Applied Mems	ANSS-130	Digital	ANSS
HONU		HONU	EHZ	1					L4C	PSN	Analog	USGS

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
HRU	Hogsback Ridge, UT	HRU	EHZ	1	UU	40° 47.67'	111° 53.14'	1620	Ranger	PSN	Analog	USGS
			EN[ZEN]	3					Applied Mems	ANSS-130	Digital	ANSS
HTU	Hoyt, UT	HTU	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	HVU	HH[ZEN]	3	UU	41° 46.78'	112° 46.50'	1609	Trillium 120	Q330	Digital	USGS
			EN[ZEN]	3					EpiSensor			
HWU	Hardware Ranch, UT	HWUT	BH[ZEN]	3	US	41° 36.41'	111° 33.91'	1830	*	*	Digital	USGS
IAE	Cedar City, Iron County Adult Education, UT	IAE	EN[ZEN]	3	UU	37° 39.91'	113° 40.02'	1807	EpiSensor	Etna	Digital	Utah
ICF	International Center Fire Station, Salt Lake City, UT	ICF	EN[ZEN]	3	UU	40° 46.69'	112° 01.72'	1281	EpiSensor	K2	Digital	ANSS
ICU	Indian Springs Canyon, UT	ICU	EHZ	1	UU	37° 08.98'	113° 55.41'	1451	S13	PSN	Analog	Utah
IMU	Iron Mountain, UT	IMU	EHZ	1	UU	38° 37.99'	113° 09.50'	1833	L4C	PSN	Analog	Utah
IMW	Indian Meadows, WY	IMW	BH[ZEN]	3	IW	43° 53.58'	110° 56.58'	2670	3ESP	RT-130	Digital	ANSS
ISCO	Idaho Springs, CO	ISCO	BH[ZEN]	3	US	39° 47.98'	105° 36.80'	2743	STS-2	Q330	Digital	ANSS
JLU	Jordanelle, UT	JLU	EN[ZEN]	3	UU	40° 36.12'	111° 27.00'	2285	EpiSensor	ANSS-130	Digital	ANSS
			HH[ZEN]	3					3ESP			
JRP	Jordan River State Park Salt Lake City, UT	JRP	EN[ZEN]	3	UU	40° 49.54'	111° 56.66'	1284	EpiSensor	K2	Digital	ANSS
KEUT	Kanab Elementary School, UT	KEUT	EN[ZEN]	3	UU	37° 03.02'	112° 31.76'	1514	PA-23	SMART-24	Digital	Utah
KLJ	Keetley, UT	KLJ	EHZ	1	UU	40° 37.85'	111° 24.30'	1992	S13	PSN	Analog	Utah
KNB	Kanab, UT	KNB	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	LCMT	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	LCU	EN[ZEN]	3	UU	40° 34.41'	111° 47.91'	1571	Applied Mems	K2	Digital	ANSS
LDJ	Lady, UT	LDJ	EHZ	1	UU	40° 34.89'	111° 24.52'	2217	S13	PSN	Analog	Utah

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
LEVU	Levan, UT	LEVU	EHZ	1	UU	39° 30.39'	111° 48.88'	1996	L4C	Basalt	Digital	USGS
			EN[ZEN]	3					EpiSensor			
LGC	Lakeside Golf Course Bountiful, UT	LGC	EN[ZEN]	3	UU	40° 54.04'	111° 54.51'	1292	EpiSensor	K2	Digital	ANSS
LHUT	Little Humpy Peak, UT	LHUT	EHZ	1	UU	40° 53.49'	110° 59.78'	3084	S13	PSN	Analog	Utah
LIUT	Lila Canyon, UT	LIUT	HH[ZEN]	3	UU	39° 25.45'	110° 19.51'	2178	Trillium 120	Centaur	Digital	Utah
LKC	Lee Kay Hunter Education Center Magna, UT	LKC	EN[ZEN]	3	UU	40° 43.62'	112° 02.14'	1289	EpiSensor	K2	Digital	ANSS
LKW	Lake, WY	LKWY	BH[ZEN]	3	US	44° 33.91'	110° 24.00'	2424	*	*	Digital	USGS
LOHW	National Elk Refuge, WY	LOHW	BH[ZEN]	3	IW	43° 36.76'	110° 36.30'	2245	3ESP	RT-130	Digital	ANSS
LRG	Logan River Golf Course Logan, UT	LRG	EN[ZEN]	3	UU	41° 42.82'	111° 51.08'	1362	Applied Mems	ANSS-130	Digital	ANSS
LSU	Lake Shores, UT	LSU	EN[ZEN]	3	UU	40° 07.94'	111° 43.80'	1375	EpiSensor	K2	Digital	ANSS
LTU	Little Mountain, UT	LTU	EHZ	1	UU	41° 35.51'	112° 14.83'	1585	L4C	PSN	Analog	USGS
			EHZ	1					EpiSensor	Basalt	Digital	
			EN[ZEN]	3								
MAB	Mapleton Ambulance Building Mapleton, UT	MAB	EN[ZEN]	3	UU	40° 07.85'	111° 34.67'	1440	EpiSensor	K2	Digital	ANSS
MCID	Moose Creek, ID	MCID	EHZ	1	WY	44° 11.45'	111° 11.03'	2137	L4C	PSN	Analog	USGS
MCU	Monte Cristo Peak, UT	MCU	EHZ	1	UU	41° 27.70'	111° 30.45'	2664	18300	PSN	Analog	USGS
MGCU	Grand County Courthouse, Moab, UT	MGCU	EN[ZEN]	3	UU	38° 34.46'	109° 32.89'	1241	EpiSensor	K2	Digital	Utah
MHD	Mile High Drive, UT	MHD	EHZ	1	UU	40° 39.64'	111° 48.05'	1597	Ranger	Basalt	Digital	USGS
			EN[ZEN]	3					EpiSensor			
MID	Middle Canyon, UT	MID	EN[ZEN]	3	UU	40° 31.04'	112° 15.28'	1722	Applied Mems	ANSS-130	Digital	ANSS
MLI	Malad Range, ID	MLI	EHZ	1	UU	42° 01.61'	112° 07.53'	1896	L4C	Basalt	Digital	USGS
			EN[ZEN]	3					EpiSensor			
MMU	Miners Mountain, UT	MMU	EHZ	1	UU	38° 11.57'	111° 17.66'	2387	S13	PSN	Analog	Utah
MOMZ	Monida, MT	MOMT	EHZ	1	MB	44° 35.60'	112° 23.66'	2220	*	*	Analog	MBMT
MOOW	Moose Ponds, WY	MOOW	BH[ZEN]	3	IW	43° 44.92'	110° 44.69'	2128	3ESP	RT-130	Digital	ANSS
MOR	Morgan, UT	MOR	EN[ZEN]	3	UU	41° 02.77'	111° 39.94'	1633	Applied Mems	ANSS-130	Digital	ANSS
MOUT	Mount Ogden, UT	MOUT	EHZ	1	UU	41° 11.94'	111° 52.73'	2743	S13	PSN	Analog	USGS

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
MPU	Maple Canyon, UT	MPU	EN[ZEN]	3	UU	40° 00.93'	111° 38.00'	1909	EpiSensor	K2	Digital	ANSS
			HH[ZEN]	3					3ESP	ANSS-130	Digital	USGS
MSU	Marysvale, UT	MSU	EHZ	1	UU	38° 30.74'	112° 10.63'	2105	18300	PSN	Analog	Utah
MTPU	Mt. Pierson, UT	MTPU	HH[ZEN]	3	UU	38° 02.49'	112° 11.06'	3112	Trillium 120	Q330	Digital	Utah
			EN[ZEN]	3					EpiSensor			
MTUT	Morton Thiokol, UT	MTUT	EHZ	1	UU	41° 42.55'	112° 27.28'	1373	L4C	PSN	Analog	USGS
MVCO	Mesa Verde, CO	MVCO	BH[ZEN]	3	US	37° 12.62'	108° 29.92'	2170	STS-2	Q330	Digital	ANSS
MVU	Marysvale, UT	MVU	BH[ZEN]	3	LB	38° 30.22'	112° 12.74'	2240	*	*	Digital	Sandia
NAI	North Antelope Island, UT	NAI	EN[ZEN]	3	UU	41° 00.97'	112° 13.68'	1472	EpiSensor	K2	Digital	ANSS
NAIU		NAIU	EHZ	1					L4C	PSN	Analog	USGS
NLU	North Lily Mine, UT	NLU	EN[ZEN]	3	UU	39° 57.29'	112° 04.50'	2036	Episensor	72A-08	Digital	ANSS
			HH[ZEN]	3					3ESP			
NMU	North Mineral Mountain, UT	NMU	EH[ZEN]	3	UU	38° 30.99'	112° 51.00'	1853	S13	PSN	Analog	Utah
NOQ	North Oquirrh Mountains, UT	NOQ	EN[ZEN]	3	UU	40° 39.16'	112° 07.26'	1628	EpiSensor	K2	Digital	ANSS
			HH[ZEN]	3					Trillium 120	ANSS-130	Digital	USGS
NPI	North Pocatello, ID	NPI	EHZ	1	UU	42° 08.84'	112° 31.10'	1640	L4C	Basalt	Digital	ANSS
			EN[ZEN]	3					EpiSensor			
O20A	White River City, CO	O20A	BH[ZEN]	3	TA	40° 08.09'	108° 14.50'	1915	STS-2	Q330	Digital	NCF
OCP	Orem City Park, Orem, UT	OCP	EN[ZEN]	3	UU	40° 17.87'	111° 41.44'	1464	EpiSensor	K2	Digital	ANSS
OF2	Ogden Fire Station ° 2 Ogden, UT	OF2	EN[ZEN]	3	UU	41° 13.70'	111° 56.92'	1358	EpiSensor	K2	Digital	ANSS
OPS	Ogden Public Safety Building, Ogden, UT	OPS	EN[ZEN]	3	UU	41° 13.72'	111° 58.54'	1317	Applied Mems	ANSS-130	Digital	ANSS
OSS	Oquirrh Sub Station, UT	OSS	EN[ZEN]	3	UU	40° 33.77'	112° 01.61'	1503	Applied Mems	ANSS-130	Digital	ANSS
OWUT	Old Woman Plateau, UT	OWUT	EHZ	1	UU	38° 46.80'	111° 25.42'	2568	L4C	PSN	Analog	Utah
PCCW	Pine Creek, Cokeville, WY	PCCW	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	PCL	EN[ZEN]	3	UU	41° 18.60'	112° 06.00'	1290	Applied Mems	ANSS-130	Digital	ANSS
PCR	Park City Recreation Center Park City, UT	PCR	EN[ZEN]	3	UU	40° 39.25'	111° 30.19'	2100	EpiSensor	K2	Digital	ANSS

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
PEUT	Richfield, Pahvant Elementary School, UT	PEUT	EN[ZEN]	3	UU	38° 46.55'	112° 05.32'	1644	PA-23	SMART-24	Digital	Utah
PGAZ	Page, AZ	PGA	EHZ	1	AR	36° 54.34'	111° 16.86'	1272	*	*	Analog	NAU
PGC	Pleasant Grove Creek, UT	PGC	EN[ZEN]	3	UU	40° 22.71'	111° 42.62'	1707	EpiSensor	K2	Digital	ANSS
PKCU	Pink Cliffs, UT	PKCU	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	PNSU	HH[ZEN]	3	UU	39° 28.38'	110° 44.40'	2743	Trillium 240	Q330	Digital	Utah
PRN	Pahroc, Range, NV	PRN	HH[ZEN]	3	NN	37° 24.40'	115° 03.05'	1402	Trillium 120	ANSS-130	Digital	UNR
PSUT	Pine Spring, UT	PSUT	HH[ZEN]	3	UU	38° 32.02'	113° 51.28'	1999	Trillium 120	Q330	Digital	Utah
			EN[ZEN]	3					EpiSensor			
PTI	Pocatello, ID	PTI	EHZ	1	IE	42° 52.20'	112° 22.21'	1670	*	*	Digital	INL
PTU	Portage, UT	PTU	EHZ	1	UU	41° 55.76'	112° 19.48'	2192	L4C	Basalt	Digital	ANSS
			EN[ZEN]	3					EpiSensor			
QBHW	Bridle Trail Rd, Draper, UT	QBHW	HN[ZEN]	3	UU	40° 30.23'	111° 51.35'	1400	Gsig-AC63	Gsig-GMS	Digital	ANSS
QBNA	E. Dillons Dr., Saratoga Springs, UT	QBNA	HN[ZEN]	3	UU	40° 21.42'	111° 57.91'	1461	Gsig-AC63	Gsig-GMS	Digital	ANSS
QCSP	White Pine Dr., Tooele, UT	QCSP	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	QCWC	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	QDPS	HN[ZEN]	3	UU	40° 45.60'	111° 50.46'	1460	Gsig-AC63	Gsig-GMS	Digital	ANSS
QFTG	N 450 E St., Springville, UT	QFTG	HN[ZEN]	3	UU	40° 10.42'	111° 36.12'	1395	Gsig-AC63	Gsig-GMS	Digital	ANSS
QJHW	Red Rock Ranch, Teton County, WY	QJHW	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	QJMH	HN[ZEN]	3	UU	40° 42.21'	111° 51.97'	1312	Gsig-AC63	Gsig-GMS	Digital	ANSS
QJOT	Whileaway Rd., Snyderville, UT	QJOT	HN[ZEN]	3	UU	40° 44.50'	111° 41.68'	1977	Gsig-AC63	Gsig-GMS	Digital	ANSS
QKSL2	Lehi, UT	QKSL2	HN[ZEN]	3	UU	40° 15.98'	111° 50.07'	1371	Gsig-AC63	Gsig-GMS	Digital	ANSS
QLIN	884 E 490 N, Lindon, UT	QLIN	HN[ZEN]	3	UU	40° 20.83'	111° 29.63'	1538	Gsig-AC63	Gsig-GMS	Digital	ANSS
QLMZ	Earthquake Lake, MT	QLMT	EHZ	1	MB	44° 49.84'	111° 25.80'	2064	*	*	Analog	MBMT
QMDS	S 2600 E, Salt Lake City, UT	QMDS	HN[ZEN]	3	UU	40° 43.74'	111° 48.97'	1405	Gsig-AC63	Gsig-GMS	Digital	ANSS
QNRL	E 500 N, Logan, UT	QNRL	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	QOGD	HN[ZEN]	3	UU	41° 17.38'	111° 57.11'	1361	Gsig-AC63	Gsig-GMS	Digital	ANSS
QPAY	N 300 E Payson, UT	QPAY	HN[ZEN]	3	UU	40° 03.18'	111° 43.70'	1404	Gsig-AC63	Gsig-GMS	Digital	ANSS
QPML	S Whitesides St., Layton, UT	QPML	HN[ZEN]	3	UU	40° 03.47'	111° 57.23'	1334	Gsig-AC63	Gsig-GMS	Digital	ANSS
QRJG	N 1450 E, Provo, UT	QRJG	HN[ZEN]	3	UU	40° 15.65'	111° 37.96'	1530	Gsig-AC63	Gsig-GMS	Digital	ANSS

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
QSAR2	Saratoga Springs, UT	QSAR2	HN[ZEN]	3	UU	40° 20.17'	111° 55.43'	1420	Gsig-AC63	Gsig-GMS	Digital	ANSS
QSPA	520 S, Spanish Fork, UT	QSPA	HN[ZEN]	3	UU	40° 17.47'	111° 52.95'	1413	Gsig-AC63	Gsig-GMS	Digital	ANSS
QSTV	S City Vistas Way, Kearns,, UT	QSTV	HN[ZEN]	3	UU	40° 40.25'	112° 02.18'	1416	Gsig-AC63	Gsig-GMS	Digital	ANSS
QSUN	1412 N 350 W, Sunset, UT	QSUN	HN[ZEN]	3	UU	41° 08.04'	112° 01.97'	1373	Gsig-AC63	Gsig-GMS	Digital	ANSS
QVOL	955 W Topaz, St. George, UT	QVOL	HN[ZEN]	3	UU	37° 15.68'	113° 36.14'	1435	Gsig-AC63	Gsig-GMS	Digital	ANSS
QUGS	240 N Redwood Road, SLC, UT	QUGS	HN[ZEN]	3	UU	40° 46.45'	111° 56.32'	1300	Gsig-AC63	Gsig-GMS	Digital	ANSS
R11A	Troy Canyon, Currant, NV	R11A	BH[ZEN]	3	TA	38° 20.93'	115° 35.12'	1756	STS-2	Q330	Digital	NCF
RBUZ	Red Butte Canyon, UT	RBU	EHZ	1	UU	40° 46.85'	111° 48.50'	1676	L4C	Basalt	Digital	USGS
			EN[ZEN]	3					EpiSensor			
RCJZ	Ross Creek, UT	RCJ	EHZ	1	UU	40° 39.51'	111° 26.36'	2090	S13	PSN	Analog	Utah
RDMU	Red Mountain, UT	RDMU	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	REDW	BH[ZEN]	3	IW	43° 21.74'	110° 51.18'	2322	3ESP	RT-130	Digital	ANSS
REUT	Washington Fields, Riverside Elementary School, UT	REUT	EN[ZEN]	3	UU	37° 05.86'	113° 31.16'	791	PA-23	SMART-24	Digital	Utah
ROA	Roan Cliffs, UT	ROA	EHZ	1	UU	39° 39.69'	110° 21.88'	2962	S13	PSN	Analog	Utah
RPF	Rose Park Fire Station, Salt Lake City, UT	RPF	EN[ZEN]	3	UU	40° 46.52'	111° 55.22'	1287	Applied Mems	ANSS-130	Digital	ANSS
RRCU	Rees Ranch, Coalville, UT	RRCU	EHZ	1	UU	40° 53.21'	111° 26.22'	2028	L4C	Basalt	Digital	Utah, USGS
			EN[ZEN]	3					EpiSensor			
RRWY	Rawlins, WY	RRWY	BH[ZEN]	3	IW	41° 41.33'	107° 12.61'	2402	3ESP	RT-130	Digital	ANSS
RSUT	Red Spur, UT	RSUT	EHZ	1	UU	41° 38.31'	111° 25.90'	2682	S13	Basalt	Digital	USGS
			EN[ZEN]	3					EpiSensor			
SAIU	South Antelope Island, UT	SAIU	EHZ	1	UU	40° 51.29'	112° 10.89'	1384	L4C	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			EN[ZEN]	3								
SCC	Salt Lake Community College, SLC UT	SCC	EN[ZEN]	3	UU	40° 40.49'	111° 56.37'	1306	EpiSensor	K2	Digital	ANSS
SCS	Syracuse City Cemetery Shop Syracuse, UT	SCS	EN[ZEN]	3	UU	41° 05.73'	112° 02.81'	1321	EpiSensor	K2	Digital	ANSS
SCUT	Santa Clara, UT	SCUT	EN[ZEN]	3	UU	37° 07.69'	113° 38.68'	837	EpiSensor	Etna	Digital	Utah
SCY	Salem City Yard, Salem, UT	SCY	EN[ZEN]	3	UU	40° 03.47'	111° 41.14'	1386	Applied Mems	ANSS-130	Digital	ANSS

UURSN	Location	SEED	SEED	No. of	Network	Latitude	Longitude	Elevation	Sensor	Digitizer	Telemetry	Sponsor
Code		Station	Channel	Channels	Code			(meters)				
SGSU	St. George Fire Station #4, UT	SGSU	EN[ZEN]	3	UU	38° 16.61'	112° 38.42'	1799	PA-23	SMART-24	Digital	Utah
SGU	Sterling, UT	SGU	EHZ	1	UU	39° 10.94'	111° 38.68'	2357	18300	PSN	Analog	USGS
SHP	Sheep Range, NV	SHP	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	SJF	EN[ZEN]	3	UU	40° 33.37'	111° 56.34'	1356	Applied Mems	ANSS-130	Digital	ANSS
SNO	Snow College, UT	SNO	EHZ	1	UU	39° 19.18'	111° 32.33'	2503	Ranger	PSN	Analog	Utah
SNOW	Snowking Mountain, WY	SNOW	BH[ZEN]	3	IW	43° 27.75'	110° 45.31'	2390	3ESP	RT-130	Digital	ANSS
SMAZ	Slide Mountain, AZ	SMAZ	EHZ	1	AR	36° 19.29'	113° 10.14'	2200	*	*	Analog	NAU
SNUT	Stansbury North, UT	SNUT	EHZ	1	UU	40° 53.10'	112° 30.52'	1652	18300	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			EN[ZEN]	3								
SPR	Wildlife Resource Center Springville, UT	SPR	EN[ZEN]	3	UU	40° 10.94'	111° 36.71'	1379	EpiSensor	K2	Digital	ANSS
SPS	Stansbury Park Sewage Lagoon Stansbury Park, UT	SPS	EN[ZEN]	3	UU	40° 38.97'	112° 18.95'	1293	Applied Mems	ANSS-130	Digital	ANSS
SPU	South Promontory Point, UT	SPU	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	SRU	EHZ	1	UU	39° 06.65'	110° 31.43'	1804	S13	PSN	Analog	Utah, ANSS, IRIS
			HH[ZEN]	6					STS-2	ANSS-130	Digital	
			EN[ZEN]						EpiSensor			
SSC	Sandy Senior Center Sandy, UT	SSC	EN[ZEN]	3	UU	40° 34.89'	111° 51.35'	1414	EpiSensor	K2	Digital	ANSS
SUU	Santaquin Canyon, UT	SUU	EHZ	1	UU	39° 53.29'	111° 47.45'	2024	18300	PSN	Analog	USGS
SWUT	Soap Wash, Delta, UT	SWUT	EN[ZEN]	3	UU	39° 19.72'	113° 11.72'	1644	EpiSensor	Q330	Digital	Utah
			HH[ZEN]	3					Trillium 120			
SZCU	Shurtz Canyon, UT	SZCU	HH[ZEN]	3	UU	37° 35.72'	113° 05.25'	2026	3T	SMART-24	Digital	Utah
			EN[ZEN]	3					PA-23			
TCRU	Three Creeks Reservoir, UT	TCRU	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	TCU	EN[ZEN]	3	UU	41° 07.04'	111° 24.47'	2269	EpiSensor	ANSS-130	Digital	ANSS
			HH[ZEN]	3					3ESP			
TCUT	Toone Canyon, UT	TCUT	EHZ	1	UU	41° 07.07'	111° 24.51'	2320	L4C	PSN	Analog	USGS

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
TCVU	Timpanogos Cave, UT	TCVU	EHZ	1	UU	40° 26.61'	111° 42.31'	1730	L4C	Basalt	Digital	Utah
			EN[ZEN]	3					EpiSensor			
TMI	Taylor Mountain, ID	TMI	EHZ	1	IE	43° 18.30'	111° 55.08'	2179	*	*	Digital	INL
TMU	Trail Mountain, UT	TMU	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	TPAW	BH[ZEN]	3	IW	43° 29.41'	110° 57.04'	2512	3ESP	RT-130	Digital	ANSS
TPH	Tonopah, NV	TPH	BH[ZEN]	3	LB	38° 04.50'	117° 13.35'	1883	3ESP	Q330	Digital	Sandia
TPMZ	Teepee Creek, MT	TPMT	EHZ	1	MB	44° 43.79'	111° 39.94'	2518	*	*	Analog	MBMT
TPNV	Topopah Spring, NV	TPNV	BH[ZEN]	3	US	36° 56.93'	116° 14.97'	1600	*	*	Digital	USGS
TPU	Thanksgiving Point, Lehi, UT	TPU	EN[ZEN]	3	UU	40° 25.81'	111° 54.13'	1383	EpiSensor	K2	Digital	ANSS
TRS	Tooele County Radio Shop, Tooele, UT	TRS	EN[ZEN]	3	UU	40° 30.83'	112° 18.63'	1568	EpiSensor	K2	Digital	ANSS
U15A	North Rim, AZ	U15A	BH[ZEN]	3	AE	36° 25.80'	112° 17.40'	2489	Trillium 240	Q330	Digital	AZGS
UHP	Utah Highway Patrol Farmington, UT	UHP	EN[ZEN]	3	UU	40° 59.47'	111° 53.88'	1295	EpiSensor	K2	Digital	ANSS
UTH	Uintah Town Hall, Uintah, UT	UTH	EN[ZEN]	3	UU	41° 08.65'	111° 55.52'	1389	EpiSensor	K2	Digital	ANSS
UUE	University of Utah EMCB Bldg. Salt Lake City, UT	UUE	EN[ZEN]	3	UU	40° 46.09'	111° 50.77'	1449	EpiSensor	K2	Digital	ANSS
V05	E. Island Mesa, Paradox Basin, CO	PV05	HH[ZEN]	3	RE	38° 08.87'	108° 50.08'	2142	*	*	Digital	USBR
V11	Davis Mesa, Paradox Basin, CO	PV11	HH[ZEN]	3	RE	38° 17.96'	108° 52.33'	1881	*	*	Digital	USBR
V15	Pinto Mesa, Paradox Basin, CO	PV15	HH[ZEN]	3	RE	38° 20.51'	108° 28.66'	2280	*	*	Digital	USBR
V21	Cone Mountain, Paradox Basin, CO	PV21	HH[ZEN]	3	RE	38° 33.67'	108° 58.50'	2235	*	*	Digital	USBR
VEC	Valley Emergency Communications Center West Valley City, UT	VEC	EN[ZEN]	3	UU	40° 39.21'	112° 01.95'	1480	EpiSensor	K2	Digital	ANSS
VNL	Vernal, UT	VNL	EN[ZEN]	3	UU	40° 27.48'	109° 32.89'	1648	FBA23	Etna	Digital	Utah
VRUT	Veyo Road, Veyo, UT	VRUT	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	W13A	BH[ZEN]	3	AE	35° 06.00'	113° 53.40'	1988	3T	Q330	Digital	AZGS
WBC	Weber Canyon, UT	WBC	EN[ZEN]	3	UU	41° 08.38'	111° 54.05'	1602	EpiSensor	K2	Digital	ANSS
WCF	Wellsville Fire Station, Wellsville, UT	WCF	EN[ZEN]	3	UU	41° 38.37'	111° 55.94'	1387	Applied Mems	ANSS-130	Digital	ANSS
WCO	Washington City Office Building, UT	WCO	EN[ZEN]	3	UU	37° 07.91'	113° 30.56'	837	EpiSensor	Etna	Digital	Utah

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
WCU	Willow Creek, UT	WCU	EHZ	1	UU	38° 57.88'	112° 05.44'	2673	18300	PSN	Analog	USGS
			EHZ	1					EpiSensor	Basalt	Digital	
			EN[ZEN]	3								
WDO	Saint George, Washington County School District Office, UT	WDO	EN[ZEN]	3	UU	37° 06.46'	113° 35.19'	831	PA-23	SMART-24	Digital	Utah
WES	Westminster College Salt Lake City, UT	WES	EN[ZEN]	3	UU	40° 43.97'	111° 51.26'	1341	EpiSensor	K2	Digital	ANSS
WHS	West High School, SLC UT	WHS	EN[ZEN]	3	UU	40° 46.51'	111° 53.93'	1301	EpiSensor	K2	Digital	ANSS
WMUT	West Mountain, UT	WMUT	EHZ	1	UU	40° 04.60'	111° 50.00'	1981	L4C	PSN	Analog	USGS
			EHZ	1					EpiSensor	Basalt	Digital	
			EN[ZEN]	3								
WPUT	Wasatch Plateau, UT	WPUT	HH[ZEN]	3	UU	38° 59.85'	111° 21.53'	2618	Trillium 120	Taurus	Digital	Utah
WRP	Water Reclamation Plant Salt Lake City, UT	WRP	EN[ZEN]	3	UU	40° 48.82'	111° 55.87'	1286	Applied Memes	ANSS-130	Digital	ANSS
WTNK	7433 Soaring Heights, NV	WTNK	HH[ZEN]	3	NN	36° 11.50'	115° 00.64'	676	3ESP	ANSS-130	Digital	UNR
WTU	Western Traverse Mountains, UT	WTU	EH[ZEN]	4	UU	40° 27.29'	111° 57.21'	1552	S13	PSN	Analog	USGS
			EN[ZEN]	3					Applied Memes	ANSS-130	Digital	ANSS
WUAZ	Wupatki, AZ	WUAZ	BH[ZEN]	3	US	35° 31.01'	111° 22.43'	1592	*	*	Digital	USGS
WVUT	Wellsville, UT	WVUT	EHZ	1	UU	41° 36.61'	111° 57.55'	1828	L4C	PSN	Analog	USGS
YDC	Denny Creek, MT	YDC	EHZ	1	WY	44° 42.51'	111° 14.60'	2025	L4C	PSN	Analog	USGS
YFT	Old Faithful (YNP), WY	YFT	HH[ZEN]	3	WY	44° 27.05'	110° 50.24'	2292	Compact	Taurus	Digital	USGS
			EHZ	1					L4C	None	None	
YGC	Grayling Creek, MT	YGC	EHZ	1	WY	44° 47.77'	111° 06.45'	2075	L4C	PSN	Analog	USGS
YHB	Horse Butte, MT	YHB	EHZ	1	WY	44° 45.07'	111° 11.71'	2157	L4C	PSN	Analog	USGS
			HH[ZEN]	3					Compact Titan	ANSS-130	Digital	
			EN[ZEN]	3								
YHH	Holmes Hill (YNP), WY	YHH	EHZ	1	WY	44° 47.30'	110° 51.03'	2717	S13	PSN	Analog	USGS
			HH[ZEN]	3					Trillium 120 Titan	Q330	Digital	
			EN[ZEN]	3								
YHL	Hebgen Lake, MT	YHL	HH[ZEN]	3	WY	44° 51.05'	111° 10.98'	2691	Trillium 120	Q330	Digital	USGS
			EN[ZEN]	3					Titan			

UURSN	Location	SEED	SEED	No. of	Network	Latitude	Longitude	Elevation	Sensor	Digitizer	Telemetry	Sponsor
Code		Station	Channel	Channels	Code			(meters)				
YHR	Hawk's Rest, WY	YHR	HH[ZEN]	3	WY	44° 06.36'	110° 04.90'	2976	Trillium 120	Q330	Digital	USGS
YJCZ	Joseph's Coat (YNP), WY	YJC	EH[ZEN]	3	WY	44° 45.33'	110° 20.95'	2684	S13	PSN	Analog	USGS
YLAZ	Lake Butte (YNP), WY	YLA	EHZ	1	WY	44° 30.76'	110° 16.12'	2580	L4C	PSN	Analog	USGS
YLT	Little Thumb Creek (YNP), WY	YLT	EHZ	1	WY	44° 26.25'	110° 35.28'	2439	L4C	PSN	Analog	USGS
YMC	Maple Creek (YNP), WY	YMC	EH[ZEN]	3	WY	44° 45.53'	111° 00.41'	2073	S13	PSN	Analog	USGS
YML	Mary Lake (YNP), WY	YML	EH[ZEN]	3	WY	44° 36.20'	110° 38.63'	2653	L4C	PSN	Analog	USGS
YMP	Mirror Plateau (YNP), WY	YMP	EHZ	1	WY	44° 44.38'	110° 09.40'	2774	S13	PSN	Analog	USGS
			HH[ZEN]	3					Trillium 120			
			EN[ZEN]	3					Titan			
YMR	Madison River (YNP), WY	YMR	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	YMS	EHZ	1	WY	44° 15.84'	110° 31.67'	3106	L4C	PSN	Analog	USGS
YMV	Mammoth Vault (YNP), WY	YMV	EHZ	1	WY	44° 58.42'	110° 41.33'	1829	L4C	PSN	Analog	USGS
YNE	Northeast Entrance (YNP), WY	YNE	HH[ZEN]	3	WY	45° 00.46'	110° 00.48'	2343	Compact	ANSS-130	Digital	USGS
YNM	Norris Museum (YNP), WY	YNM	HH[ZEN]	3	WY	44° 43.59'	110° 42.22'	2311	Trillium 240	Q330	Digital	USGS
YNR	Norris Junction (YNP), WY	YNR	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	YPC	EHZ	1	WY	44° 38.88'	110° 11.55'	2932	L4C	PSN	Analog	USGS
YPK	Parker Peak (YNP), WY	YPK	EH[ZEN]	3	WY	44° 43.91'	109° 55.32'	2897	L4C	PSN	Analog	USGS
YPM	Purple Mountain (YNP), WY	YPM	EHZ	1	WY	44° 39.43'	110° 52.12'	2582	L4C	PSN	Analog	USGS
YPP	Pitchstone Plateau (YNP), WY	YPP	EHZ	1	WY	44° 16.26'	110° 48.27'	2707	S13	PSN	Analog	USGS
			HH[ZEN]	3					Trillium 120			
			EN[ZEN]	3					Titan			
YSB	Soda Butte (YNP), WY	YSB	EHZ	1	WY	44° 53.04'	110° 09.06'	2072	L4C	PSN	Analog	USGS
YTP	The Promontory (YNP), WY	YTP	EHZ	1	WY	44° 23.51'	110° 17.10'	2384	L4	PSN	Analog	USGS
			HH[ZEN]	3					Trillium 120			
			EN[ZEN]	3					Titan			
YUF	Upper Falls (YNP), WY	YUF	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	YWB	EHZ	1	WY	44° 36.35'	111° 06.05'	2310	L4C	PSN	Analog	USGS
ZNPU	Zion National Park, UT	ZNPU	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: 907 data channels from 294 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	Kinometrics 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
FBA23	Kinometrics FBA-23 accelerometer
EpiSensor	Kinometrics 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
IESE-S2	Institute of Earth Science and Engineering S-2 model borehole seismometer
Gsig-AC63	Geosig-AC63 NetQuakes accelerometer

Digitizer	Description
K2	Kinometrics Altus Series K2 (19-bit resolution field digitizer)
Etna	Kinometrics 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	Kinometrics 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)

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 OCTOBER 1–DECEMBER 31, 2015

November 19 HMU equipment replaced and EN[ZEN] added