EARTHQUAKE ACTIVITY IN THE UTAH REGION

Preliminary Epicenters

January 1 – March 31, 2014

Prepared by the University of Utah Seismograph Stations and funded by the U.S. Geological Survey (Cooperative Agreement No. G10AC00085) and by the State of Utah

May 30, 2014

Foreword and Data Explanation

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

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

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

- Date (yymmdd) and origin time in Universal Coordinated Time (UTC). To convert to local time, subtract seven hours for Mountain Standard Time (MST) and six hours for Mountain Daylight Time (MDT). During the report period, local time was MST through 02:00 (2:00 a.m.) on March 9 and MDT thereafter.

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

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

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

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

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

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

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

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

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

EARTHQUAKE ACTIVITY IN THE UTAH REGION
January 1 – March 31, 2014

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During the three-month period January 1 through March 31, 2014, the University of Utah Seismograph Stations (UUSS) located 359 earthquakes within the Utah region (Figure 1). The total includes two earthquakes in the magnitude 4 range, three earthquakes in the magnitude 3 range, and 55 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 2014 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/EQCENTER/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 2013 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 4.1	January 28	09:20 MST	28 mi SW of Enterprise, UT
M_L 4.0	January 28	18:30 MST	28 mi SW of Enterprise, UT
M_L 3.1	January 28	18:39 MST	28 mi SW of Enterprise, UT
M_L 3.0	January 28	18:39 MST	28 mi SW of Enterprise, UT
M_L 3.2	March 14	10:03 MDT	6 mi SSE of Kamas, UT

Other Notable Seismicity

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

A. A cluster of 27 earthquakes ($0.2 \leq M \leq 3.2$) occurred about 6 miles SSE of Kamas, UT. Eight of these events, including a magnitude 3.2 shock, occurred between March 14 and March 16.

B. A cluster of 24 earthquakes ($0.8 \leq M \leq 2.3$) occurred about 17 miles WNW of Orderville, UT. Twenty of these events, including a magnitude 2.3 shock, occurred between January 28 and January 30.

C. A cluster of 51 earthquakes ($0.6 \leq M \leq 4.1$) occurred about 28 miles SW of Enterprise, UT. Forty six of these events, including a magnitude 4.1 shock, occurred between January 28 and January 30.

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 84 located shocks ($0.8 \leq M \leq 2.7$) that occurred throughout the report period.

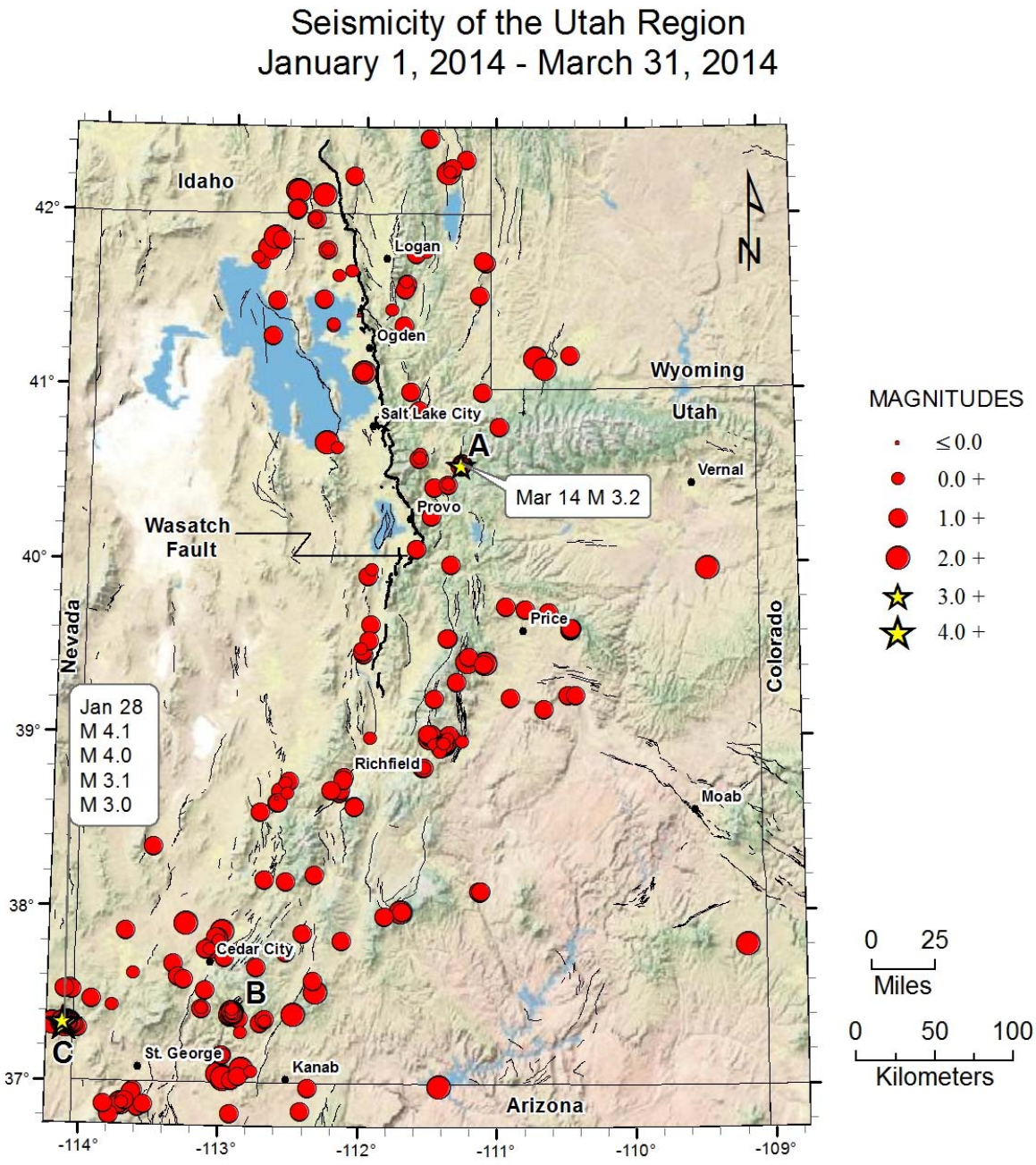


Figure 1. Earthquake epicenters, located by the University of Utah Seismograph Stations, superposed on a map of Quaternary (geologically young) faults compiled by the Utah Geological Survey (black lines). The Wasatch fault is shown in bold. Earthquakes of magnitude 3.0 and larger are labeled by local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

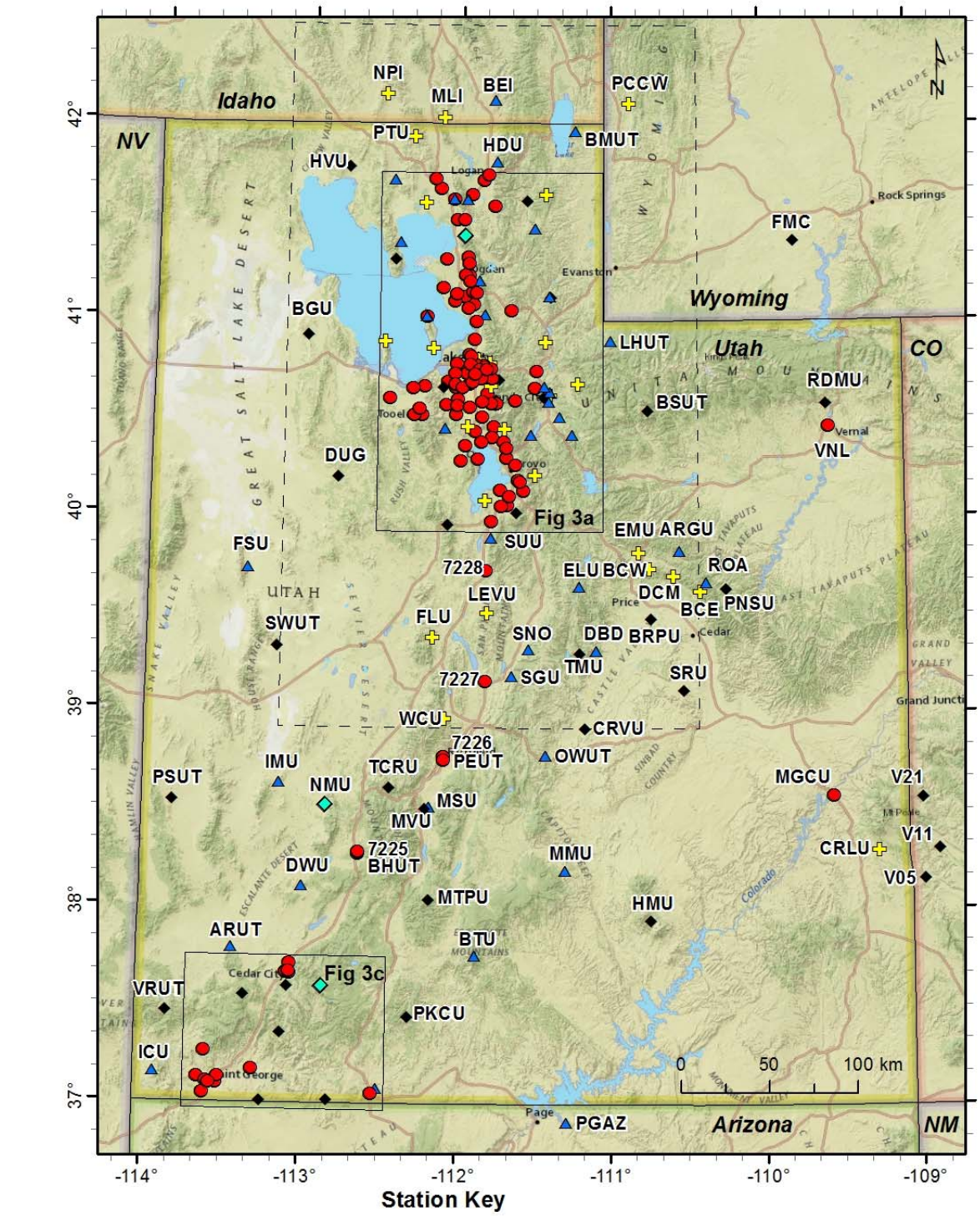
Table 1

EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION
January 1, 2014 to March 31, 2014

Date	Time†	Felt Information‡	Latitude	Longitude	Magnitude§
January 28	09:20 MST 16:20 UTC	Nevada. *CIIM*. *ShakeMap*. Felt (II) at Ivins and Washington, UT.	37º 19.54′	114º 07.29′	M_L 4.1
January 28 January 29	18:30 MST 01:30 UTC	Nevada. *CIIM*. *ShakeMap*. Felt (III) at Pine Valley and St. George, UT and (II) at Ivins and Washington, UT and Mesquite, NV.	37º 19.42′	114º 06.75′	M_L 4.0
March 14	10:03 MDT 16:03 UTC	Utah. *CIIM*. *ShakeMap*. Felt (IV) at Kamas, UT, (II) at Park City, UT and (II) at Heber City and Salt Lake City, UT.	40º 33.67′	111º 16.13′	M_L 3.2

† 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
March 31, 2014



▲ 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

Figure 2

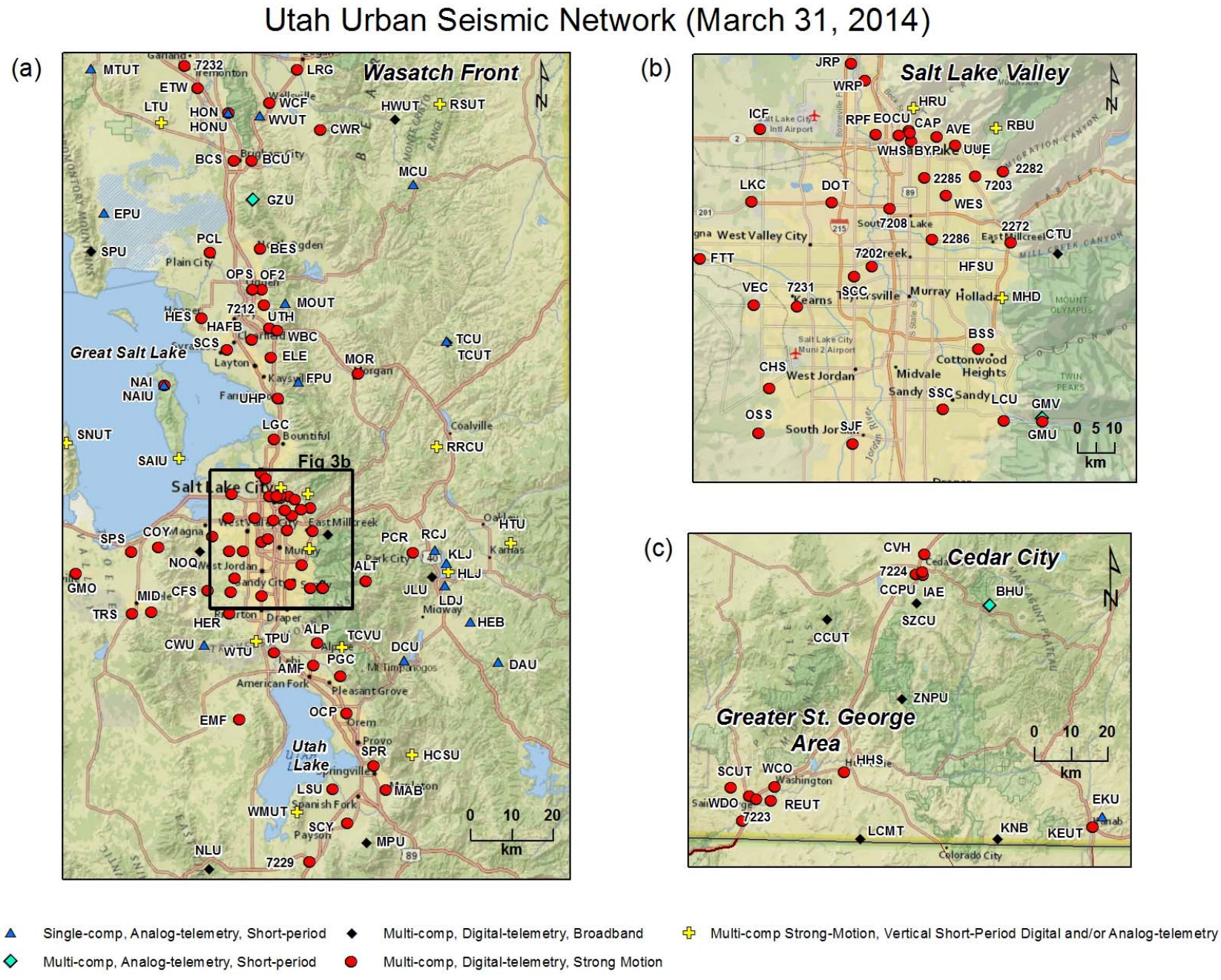

Utah Urban Seismic Network (March 31, 2014)
(a)
Wasatch Front
Great Salt Lake
Salt Lake City
Fig 3b
Utah Lake
(b)
Salt Lake Valley
(c)
Cedar City
Greater St. George Area
Single-comp, Analog-telemetry, Short-period
Multi-comp, Analog-telemetry, Short-period
Multi-comp, Digital-telemetry, Broadband
Multi-comp, Digital-telemetry, Strong Motion
Multi-comp Strong-Motion, Vertical Short-Period Digital and/or Analog-telemetry

Figure 3

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2014

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
140101	01:27:47.16	42º 07.51′	112º 31.03′	5.3	2.2W	25	148	2	0.20
140101	04:19:56.18	42º 07.81′	112º 31.74′	6.8	2.9W	33	122	2	0.14
140101	05:47:23.49	39º 00.55′	111º 28.81′	13.0*	1.5	11	80	26	0.10
140101	09:06:21.46	41º 47.86′	112º 44.25′	4.0	2.1W	25	146	4	0.20
140101	12:11:16.74	36º 50.34′	112º 24.54′	18.7	1.8W	14	139	27	0.18
140102	17:35:54.91	37º 00.85′	112º 54.70′	21.5	1.3W	11	183	8	0.09
140103	07:10:05.16	37º 20.64′	112º 42.41′	18.5	1.1	12	88	31	0.12
140104	05:57:56.00	38º 57.92′	111º 24.28′	0.3*	2.0W	21	69	21	0.16
140104	06:12:18.02	38º 57.50′	111º 23.41′	2.7*	1.5W	13	72	19	0.10
140104	07:07:05.45	38º 57.37′	111º 24.00′	3.6*	1.8	6	109	20	0.04
140104	09:40:08.54	38º 57.37′	111º 23.66′	1.7*	1.5W	11	72	20	0.07
140105	08:46:10.27	38º 57.25′	111º 23.15′	1.1*	1.5	7	94	19	0.11
140105	17:28:09.76	36º 52.22′	113º 32.12′	19.7	1.3	11	213	30	0.13
140105	22:33:17.39	38º 09.30′	112º 32.48′	0.5*	1.9W	20	47	34	0.25
140106	04:28:31.44	41º 10.32′	110º 42.46′	1.5*	2.2W	30	131	59	0.24
140106	13:50:40.47	39º 09.27′	110º 39.37′	14.9	1.0	14	96	12	0.07
140106	21:57:12.20	38º 35.23′	112º 02.72′	10.5	1.0	14	69	14	0.09
140106	23:17:20.27	40º 41.02′	112º 16.90′	7.0	2.0W	39	73	4	0.25
140107	01:19:08.90	39º 42.56′	110º 36.95′	-2.5	1.5	11	77	3	0.12
140107	10:01:26.23	38º 20.85′	113º 30.25′	11.4*	1.9W	20	107	37	0.18
140107	11:27:21.04	36º 53.32′	113º 40.21′	19.9*	1.5	9	174	40	0.10
140107	12:43:56.09	39º 12.65′	111º 27.60′	15.8	1.4W	9	95	14	0.20
140107	20:10:34.24	40º 04.51′	111º 36.05′	9.1	1.4	21	122	7	0.21
140109	00:10:03.16	38º 33.29′	112º 43.73′	-0.2*	1.9W	18	51	11	0.20
140109	11:56:16.42	39º 00.31′	111º 21.16′	1.5*	1.0W	12	59	18	0.09
140109	21:13:46.82	37º 49.26′	112º 07.60′	7.2*	1.9W	14	95	23	0.24
140111	01:51:48.21	38º 57.92′	111º 24.94′	3.4*	2.2W	20	49	21	0.25
140111	02:35:19.70	38º 48.96′	111º 32.88′	17.9	1.9W	22	52	12	0.16
140111	21:23:15.42	38º 59.78′	111º 21.56′	1.4*	1.5W	15	58	18	0.09
140112	10:25:27.85	39º 44.42′	110º 56.08′	-1.3*	1.5W	15	93	13	0.19
140112	11:48:23.49	39º 43.64′	110º 47.39′	-3.4	1.6W	11	75	4	0.14
140113	04:00:33.22	38º 48.98′	111º 32.19′	13.8*	0.9	6	120	34	0.04
140113	08:15:27.32	36º 49.29′	112º 55.03′	17.1	1.0	10	180	23	0.06
140113	19:43:16.15	36º 56.91′	113º 36.83′	7.9	1.7W	9	195	11	0.08
140114	00:06:46.81	36º 52.21′	113º 41.60′	18.6	2.8W	17	112	37	0.09
140114	06:59:36.84	36º 51.92′	113º 42.49′	10.7*	1.9W	12	113	44	0.18
140114	12:01:00.48	40º 15.79′	111º 29.57′	0.0*	1.1	20	149	17	0.11
140114	20:41:26.29	39º 27.87′	111º 59.29′	6.2*	1.8W	11	114	16	0.16
140114	21:04:17.86	39º 29.87′	112º 00.46′	4.4*	0.8	6	141	17	0.04
140115	04:52:34.85	38º 57.68′	111º 24.35′	4.2*	2.3W	27	49	20	0.17
140115	06:08:56.06	38º 58.14′	111º 24.72′	3.8*	1.8W	22	50	21	0.23
140115	09:33:15.63	38º 56.45′	111º 23.31′	1.8*	1.2W	7	83	18	0.26
140116	09:13:35.37	38º 56.57′	111º 23.76′	2.0*	1.4	5	199	18	0.06
140116	22:28:05.02	41º 17.72′	112º 41.95′	7.1*	1.4W	20	154	21	0.07
140117	02:06:30.31	38º 57.67′	111º 24.91′	2.8*	1.5W	16	70	20	0.22

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2014

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
140117	12:52:52.03	38° 38.25′	112° 36.72′	1.5*	--	8	197	15	0.05
140117	12:52:55.73	38° 36.58′	112° 36.78′	0.4*	1.8W	9	134	14	0.16
140117	16:16:23.71	38° 36.46′	112° 36.22′	1.9*	1.0	10	134	14	0.08
140117	16:41:10.34	38° 59.14′	111° 55.87′	3.6*	0.9	5	159	14	0.15
140118	01:05:56.69	39° 28.81′	111° 59.56′	1.4*	1.0	10	61	16	0.08
140118	19:08:33.74	37° 40.62′	113° 20.40′	1.3*	1.3W	9	137	14	0.07
140119	01:33:21.96	36° 52.51′	113° 41.53′	18.6	0.9	14	216	37	0.18
140119	15:39:58.47	39° 24.57′	111° 05.96′	1.9*	1.2W	12	85	11	0.09
140119	17:35:18.41	39° 55.26′	111° 57.43′	5.2*	1.3	18	57	11	0.07
140120	08:43:40.22	41° 11.24′	110° 26.82′	25.6*	1.9W	16	110	57	0.20
140121	00:06:08.21	39° 18.55′	111° 17.96′	-1.0	1.5W	15	75	8	0.11
140122	04:52:30.57	41° 38.40′	112° 12.30′	5.5	0.2	9	91	6	0.14
140122	11:26:46.28	41° 29.85′	112° 40.34′	5.2*	1.4W	18	139	25	0.16
140122	11:43:37.86	38° 54.52′	111° 25.27′	10.8	0.8	5	156	14	0.03
140122	13:22:19.62	38° 56.90′	111° 27.57′	22.7	0.9	6	164	19	0.22
140122	22:23:18.59	38° 59.28′	111° 29.46′	5.8*	2.3W	26	45	24	0.10
140123	10:55:00.99	38° 57.39′	111° 23.59′	3.1*	1.6W	8	84	20	0.05
140123	21:29:41.24	37° 35.33′	113° 16.06′	3.0	1.1W	6	203	9	0.04
140124	12:11:30.38	38° 57.70′	111° 23.16′	2.7*	1.1	6	147	19	0.07
140125	04:05:53.49	37° 37.23′	113° 37.74′	1.6*	0.8	12	121	25	0.10
140125	21:56:33.56	38° 06.48′	111° 07.26′	6.7*	1.5	10	109	18	0.11
140125	22:01:28.18	38° 59.14′	111° 21.84′	1.9*	0.8W	8	104	18	0.06
140126	03:52:20.74	38° 06.21′	111° 07.65′	10.6	1.7	18	92	18	0.17
140126	09:05:46.65	38° 06.48′	111° 07.70′	8.7*	1.6	8	109	18	0.07
140127	23:13:16.39	39° 36.50′	110° 27.49′	-3.2	1.6	7	104	4	0.05
140127	23:14:20.03	42° 06.43′	112° 19.50′	-3.5*	2.2W	24	127	17	0.13
140128	09:55:37.24	37° 23.68′	112° 54.06′	3.5*	1.8W	17	77	20	0.13
140128	10:14:30.07	37° 23.13′	112° 54.97′	2.5*	2.0W	17	86	19	0.16
140128	16:20:11.47	37° 19.54′	114° 07.29′	7.2*	4.1W	24	84	26	0.19
140128	16:21:43.33	37° 19.96′	114° 05.45′	2.5*	2.2	6	272	25	0.04
140128	16:22:49.23	37° 20.21′	114° 07.23′	0.0*	1.9	15	170	27	0.17
140128	16:24:00.81	37° 18.53′	114° 06.43′	5.4*	2.1	15	90	24	0.20
140128	16:24:35.93	37° 19.86′	114° 05.88′	6.7*	2.1	6	266	25	0.03
140128	16:25:11.59	37° 19.49′	114° 04.99′	6.2*	2.2W	9	169	24	0.03
140128	16:29:20.37	37° 19.37′	114° 07.32′	6.2*	1.9W	16	143	26	0.19
140128	16:31:24.86	37° 19.94′	114° 07.49′	5.8*	1.5	10	270	27	0.13
140128	16:38:33.99	37° 19.61′	114° 04.97′	6.0*	0.7	6	263	24	0.07
140128	16:39:29.64	37° 19.30′	114° 03.78′	3.8*	1.2	5	259	23	0.07
140128	16:46:15.29	37° 19.02′	114° 07.06′	7.4*	2.3W	22	85	25	0.21
140128	16:46:43.73	37° 19.73′	114° 06.45′	10.6*	2.5W	10	143	26	0.13
140128	16:49:49.11	37° 19.85′	114° 08.00′	7.3*	1.2	13	144	27	0.08
140128	16:51:00.28	37° 19.29′	114° 04.79′	7.2*	1.9W	16	169	24	0.11
140128	16:55:26.12	37° 19.92′	114° 07.96′	7.6*	1.0	13	89	27	0.09
140128	16:58:35.74	37° 19.20′	114° 06.07′	10.5*	2.3W	15	142	25	0.13
140128	17:04:56.86	37° 19.48′	114° 06.43′	10.7*	1.3	12	96	25	0.08

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2014

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
140128	17:06:22.09	37° 20.08′	114° 07.67′	7.7*	1.0	12	97	27	0.08
140128	17:25:08.71	37° 19.16′	114° 06.16′	8.0*	0.9	14	88	25	0.18
140128	17:35:04.06	37° 19.30′	114° 07.16′	6.8*	0.9	14	89	26	0.17
140128	18:22:47.16	37° 19.40′	114° 07.77′	7.0*	1.7W	15	90	27	0.15
140128	19:12:16.89	37° 23.90′	112° 54.78′	6.5*	2.3W	20	50	19	0.17
140128	19:17:34.72	37° 23.70′	112° 54.02′	1.1*	0.9W	11	143	20	0.22
140128	19:28:05.10	37° 39.69′	112° 44.47′	3.9*	1.1	15	78	13	0.26
140128	19:51:08.99	37° 23.66′	112° 54.35′	5.1*	2.2W	22	51	20	0.22
140128	20:36:43.60	37° 23.36′	112° 53.84′	4.6*	1.1	7	162	21	0.14
140128	20:39:13.89	37° 23.84′	112° 53.75′	3.7*	1.4W	7	162	21	0.16
140128	21:08:43.81	37° 20.13′	114° 06.50′	5.5*	0.8	7	276	26	0.07
140128	21:33:45.75	37° 19.53′	114° 07.22′	7.0*	2.9W	21	110	26	0.17
140128	21:46:11.80	37° 19.46′	114° 05.00′	6.0*	1.7	13	169	24	0.13
140128	22:06:26.32	37° 20.10′	114° 06.33′	0.5*	1.1	10	228	26	0.16
140128	23:01:30.61	37° 19.14′	114° 05.30′	4.4*	1.0	14	170	24	0.18
140129	00:21:44.01	37° 24.02′	112° 54.77′	7.9*	1.7	12	50	19	0.15
140129	01:09:33.96	37° 23.64′	112° 55.27′	8.0*	1.3	9	89	19	0.27
140129	01:28:03.76	37° 18.84′	114° 02.94′	6.7*	1.6	10	278	21	0.10
140129	01:30:27.54	37° 19.42′	114° 06.75′	7.0*	4.0W	26	84	26	0.15
140129	01:36:01.95	37° 19.62′	114° 06.60′	6.7*	1.4	11	143	26	0.10
140129	01:37:07.95	37° 20.02′	114° 08.06′	6.0*	0.9	14	89	28	0.13
140129	01:39:00.63	37° 19.94′	114° 07.46′	7.0*	3.0W	22	111	27	0.14
140129	01:39:15.49	37° 20.04′	114° 07.57′	8.7*	3.0W	9	184	27	0.10
140129	01:46:45.03	37° 23.61′	112° 54.65′	5.9*	0.9W	12	92	19	0.09
140129	01:47:11.56	37° 21.90′	112° 51.76′	4.9*	1.5	7	267	23	0.03
140129	01:48:17.98	37° 19.20′	114° 07.47′	6.5*	1.6	13	143	26	0.14
140129	01:56:04.40	37° 19.05′	114° 04.49′	6.4*	0.6	12	168	23	0.08
140129	01:59:03.88	37° 19.73′	114° 06.93′	7.7*	1.6	10	158	26	0.05
140129	02:08:10.60	37° 19.64′	114° 07.92′	6.3*	1.8	17	90	27	0.10
140129	02:10:49.08	37° 19.19′	114° 08.10′	5.7*	1.0	14	91	27	0.13
140129	02:17:49.56	37° 19.53′	114° 07.48′	7.4*	2.2W	19	143	26	0.11
140129	02:44:04.83	37° 19.38′	114° 08.51′	5.4*	1.5	17	95	27	0.08
140129	03:35:02.73	37° 19.36′	114° 07.87′	5.9*	1.4	16	90	27	0.09
140129	03:52:24.98	37° 24.08′	112° 54.69′	6.8*	2.1W	20	50	20	0.16
140129	05:07:19.15	37° 19.09′	114° 07.30′	6.9*	0.8	14	90	26	0.12
140129	05:10:32.47	37° 23.03′	112° 55.54′	-2.4*	1.4	14	74	18	0.24
140129	05:19:48.29	37° 24.05′	112° 54.92′	2.2*	1.1	11	121	19	0.15
140129	06:24:15.09	37° 23.57′	112° 54.82′	-1.1*	1.8W	21	50	19	0.22
140129	07:31:28.07	37° 19.48′	114° 06.84′	8.9*	1.8W	11	143	26	0.10
140129	07:42:02.09	37° 09.40′	112° 58.71′	22.9	0.9	10	98	21	0.07
140129	08:07:00.92	37° 23.63′	112° 54.44′	2.4*	1.5	13	93	20	0.10
140129	10:59:56.43	37° 23.91′	112° 54.64′	-0.8*	1.2	14	50	20	0.11
140129	12:22:24.60	37° 24.34′	112° 54.18′	3.4*	1.1	11	124	20	0.14
140129	14:38:16.88	37° 25.22′	112° 54.81′	3.3*	0.8	8	111	20	0.15
140129	18:30:03.05	37° 18.15′	114° 01.27′	5.6*	1.7W	10	251	19	0.17

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2014

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
140129	21:35:17.49	37° 19.74′	114° 07.43′	3.0*	0.9	7	279	27	0.06
140129	21:45:56.84	38° 57.46′	111° 23.75′	9.7*	0.8W	5	227	20	0.05
140129	22:12:02.14	37° 09.45′	112° 58.72′	20.0	1.0W	10	149	21	0.12
140130	05:59:59.12	37° 19.25′	114° 04.88′	7.7*	2.0W	13	169	24	0.14
140130	06:10:20.30	37° 59.32′	111° 42.03′	11.1*	2.1W	21	118	30	0.14
140130	07:44:13.49	38° 35.83′	112° 02.52′	7.3*	1.2	7	82	15	0.02
140130	11:44:15.01	37° 09.40′	112° 58.93′	21.4	1.2W	12	94	21	0.10
140130	15:11:45.40	37° 19.26′	114° 05.40′	5.9*	1.7W	10	270	24	0.10
140130	21:37:43.51	37° 24.93′	112° 55.31′	2.9*	1.6	8	152	19	0.18
140131	00:46:46.72	36° 51.23′	113° 34.58′	19.5	1.8W	12	145	34	0.06
140131	08:57:33.03	37° 31.57′	112° 18.80′	8.9	2.1W	20	107	9	0.19
140131	17:45:51.98	37° 59.32′	111° 41.66′	9.5*	1.2	12	119	30	0.06
140131	19:58:04.39	38° 59.60′	111° 29.59′	8.9*	1.6W	18	44	24	0.15
140131	22:31:57.45	37° 45.64′	113° 06.36′	2.6*	1.2	10	251	18	0.10
140201	14:45:41.19	38° 58.07′	111° 15.49′	7.8	0.8W	6	96	9	0.14
140202	01:52:29.73	37° 02.80′	113° 00.27′	17.7	2.5W	22	115	17	0.21
140202	14:29:09.03	42° 18.70′	111° 14.18′	-2.9*	1.9W	17	113	38	0.29
140203	09:31:45.75	39° 36.69′	110° 27.19′	-3.4	1.8	10	100	4	0.09
140203	11:42:17.19	37° 31.36′	114° 07.25′	3.4*	1.2	14	214	24	0.16
140203	12:27:28.14	37° 24.12′	112° 54.34′	3.3*	1.5	11	123	20	0.11
140203	15:25:01.57	37° 45.52′	113° 04.59′	0.0*	1.2	12	94	18	0.26
140204	11:03:09.56	37° 02.19′	112° 51.69′	17.8	1.0W	13	124	4	0.08
140204	12:05:29.03	37° 46.88′	113° 04.55′	3.0*	1.4W	9	127	21	0.20
140204	18:48:36.99	37° 20.05′	114° 06.29′	1.1*	0.6	9	228	26	0.09
140205	05:20:14.88	39° 59.34′	111° 20.46′	-3.3*	1.1	18	66	25	0.21
140205	09:06:13.30	37° 25.45′	113° 08.01′	9.3	0.9W	10	93	8	0.09
140205	14:32:48.74	37° 19.53′	114° 06.12′	4.9*	2.1W	18	135	25	0.16
140205	23:54:55.98	39° 57.42′	111° 56.16′	5.5*	0.9W	11	61	12	0.04
140206	08:05:22.15	39° 00.46′	111° 30.75′	13.2	1.0	5	232	26	0.00
140206	14:09:20.02	42° 14.10′	111° 22.09′	4.7*	2.3W	20	92	33	0.16
140207	02:53:02.99	41° 26.86′	111° 47.91′	6.7*	0.8	14	91	15	0.13
140207	05:04:21.49	37° 19.32′	114° 11.97′	-0.9*	2.4W	16	151	31	0.19
140207	10:05:36.09	40° 25.71′	111° 28.43′	5.6	1.3	21	155	5	0.15
140207	18:18:03.94	37° 51.80′	113° 41.31′	3.5*	1.7W	12	121	23	0.17
140208	01:14:04.80	41° 44.41′	112° 49.51′	5.6	0.5	8	257	6	0.06
140208	04:32:18.05	37° 25.41′	113° 08.06′	8.6	1.2W	14	72	8	0.11
140208	05:48:35.76	39° 33.45′	111° 21.72′	2.6*	1.3W	12	99	16	0.22
140208	06:01:41.51	39° 33.62′	111° 22.33′	1.7*	1.2	7	156	17	0.10
140208	07:14:59.47	38° 39.87′	112° 32.14′	4.3	0.9	8	112	10	0.04
140209	00:54:53.15	37° 51.69′	112° 24.64′	5.3*	1.8W	16	83	28	0.17
140209	09:18:10.41	42° 12.86′	112° 05.71′	3.9*	1.9W	18	153	21	0.17
140209	10:28:59.81	38° 09.77′	112° 41.83′	1.8*	1.5W	15	124	27	0.22
140209	22:49:37.03	40° 58.57′	111° 06.50′	5.0*	1.9W	35	139	13	0.15
140210	00:32:14.92	38° 44.06′	112° 31.29′	2.9*	1.2	12	89	15	0.16
140210	04:08:40.18	38° 57.80′	111° 23.53′	7.0*	0.9W	6	109	20	0.09

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2014

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
140210	11:19:31.07	39° 36.66′	110° 27.53′	-3.4	1.5	6	100	4	0.11
140210	20:42:57.13	41° 21.33′	111° 42.25′	2.0*	1.7W	35	76	20	0.17
140211	00:24:46.80	38° 57.04′	111° 23.98′	3.3*	1.1W	7	92	19	0.08
140211	03:39:38.19	37° 18.58′	114° 05.66′	9.8*	1.8W	12	88	23	0.25
140211	11:24:07.25	39° 36.93′	110° 27.08′	-3.4	1.1W	8	94	4	0.10
140211	13:23:40.59	37° 45.82′	113° 05.01′	4.1	0.8	13	95	6	0.15
140212	07:06:25.67	36° 51.90′	113° 49.34′	5.6*	1.3W	8	266	33	0.08
140213	03:01:12.59	37° 01.65′	112° 58.01′	18.0	2.3W	19	121	13	0.10
140213	10:47:26.68	40° 39.21′	112° 12.20′	-0.2	0.6	12	124	3	0.08
140213	14:03:23.70	39° 37.02′	110° 26.54′	-1.5	1.9	8	90	3	0.19
140214	01:36:39.60	38° 57.00′	111° 22.72′	5.9*	1.1W	6	91	18	0.21
140215	13:22:27.27	38° 11.81′	112° 19.59′	1.6*	1.1	14	74	21	0.16
140216	09:06:15.66	37° 01.16′	112° 58.19′	18.2	2.3W	16	132	13	0.13
140216	10:55:08.45	40° 52.35′	111° 35.24′	12.2	1.1	26	81	13	0.12
140216	18:43:36.36	41° 46.31′	111° 37.16′	11.0	1.3	11	111	13	0.06
140217	01:56:22.69	37° 27.98′	113° 55.38′	0.0	1.3	10	135	6	0.14
140217	06:18:57.52	37° 03.80′	112° 46.36′	18.1	0.3	6	134	7	0.05
140217	08:05:22.43	37° 43.12′	112° 58.46′	2.0*	1.0	9	145	17	0.06
140217	13:56:30.37	37° 50.17′	113° 02.32′	1.8*	1.3	13	104	27	0.12
140217	14:05:23.56	37° 50.04′	113° 01.59′	2.8*	1.7	12	101	27	0.14
140218	03:23:07.49	37° 23.60′	112° 53.52′	1.7*	1.6	13	128	21	0.09
140219	10:53:57.73	37° 49.56′	113° 01.20′	-2.0*	1.4	13	121	26	0.13
140219	18:40:18.86	41° 50.79′	112° 38.89′	5.8*	1.8W	18	136	13	0.11
140220	07:28:55.61	38° 57.02′	111° 23.61′	4.4*	1.2W	7	92	19	0.11
140221	00:48:36.87	37° 25.44′	113° 08.06′	9.4	0.2	11	64	8	0.06
140221	08:40:02.38	36° 58.42′	112° 21.68′	17.8	1.6W	15	122	16	0.25
140221	21:49:03.74	37° 45.07′	112° 31.84′	19.6	0.9	13	107	34	0.07
140225	03:47:53.78	38° 57.00′	111° 23.69′	2.1*	0.9W	8	109	19	0.08
140225	09:52:31.01	41° 31.78′	111° 07.68′	38.7	1.7W	22	110	28	0.11
140225	10:38:53.09	39° 36.56′	110° 27.17′	-3.4	1.3W	9	104	4	0.06
140225	20:55:34.13	41° 34.12′	111° 41.80′	11.8	1.0	16	153	7	0.11
140226	04:02:40.61	38° 55.63′	111° 24.87′	12.8	1.2	5	159	16	0.05
140226	05:05:14.46	37° 23.77′	112° 54.52′	0.9*	0.9	10	123	20	0.11
140226	13:18:43.14	37° 17.05′	112° 50.86′	21.9	0.8	11	127	26	0.08
140227	00:00:01.24	39° 25.09′	111° 05.31′	-1.8*	2.1W	23	46	12	0.17
140227	09:47:55.20	38° 57.10′	111° 23.83′	6.5*	1.4	6	148	19	0.16
140227	10:54:27.44	41° 21.80′	112° 14.80′	9.1	0.4	12	88	14	0.27
140227	10:54:27.78	41° 21.27′	112° 14.70′	1.3*	0.6	13	96	14	0.17
140227	20:48:26.80	41° 35.97′	111° 41.33′	11.4	1.3	18	81	8	0.09
140227	20:49:42.56	41° 36.50′	111° 41.40′	7.1	0.6	9	153	8	0.06
140227	20:49:50.23	41° 35.36′	111° 41.34′	9.4	1.4W	9	166	8	0.09
140227	21:48:10.52	40° 35.69′	111° 35.03′	10.3	1.8W	28	87	5	0.16
140227	21:48:18.80	40° 37.26′	111° 34.61′	6.3	0.7	8	136	6	0.09
140227	22:37:53.95	40° 35.88′	111° 35.09′	9.4	0.3	14	173	5	0.06
140302	10:22:44.56	38° 57.27′	111° 23.36′	1.6*	1.4	6	147	19	0.11

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140302	14:13:35.09	38° 57.32′	111° 23.60′	2.5*	1.1W	8	84	20	0.11
140302	16:53:59.49	38° 57.54′	111° 23.50′	3.0*	0.9W	5	155	20	0.01
140303	21:21:05.32	36° 56.00′	113° 37.66′	0.2*	1.6W	13	179	35	0.17
140304	05:50:29.08	38° 57.50′	111° 23.56′	4.9*	1.9W	26	50	20	0.18
140304	12:19:50.85	38° 57.56′	111° 23.73′	2.8*	1.9W	20	71	20	0.16
140305	00:13:52.72	37° 19.53′	114° 04.23′	7.2*	1.9	13	165	23	0.11
140305	05:43:37.54	40° 32.54′	111° 15.11′	12.6	0.2	5	282	15	0.06
140305	05:43:58.00	40° 33.72′	111° 15.52′	14.5	--	13	86	9	0.08
140305	05:44:01.92	40° 33.06′	111° 15.99′	15.9	0.9	8	143	8	0.07
140305	05:44:59.92	40° 34.01′	111° 15.28′	13.6	0.3	14	87	10	0.07
140305	05:45:29.43	40° 33.43′	111° 16.04′	13.4	1.5W	22	84	8	0.16
140305	05:45:41.11	40° 34.04′	111° 14.30′	12.1	--	7	288	11	0.07
140305	05:45:44.01	40° 33.55′	111° 16.16′	12.6	1.8W	18	82	9	0.12
140305	06:13:23.94	40° 34.03′	111° 15.44′	13.3	0.5	11	85	10	0.07
140305	10:03:26.93	37° 09.29′	112° 57.98′	22.7	0.7	7	95	26	0.05
140305	12:44:51.85	39° 32.89′	111° 56.83′	13.1	1.0	9	101	12	0.24
140305	13:57:22.34	38° 57.50′	111° 24.05′	3.9*	2.7W	30	50	20	0.17
140305	14:06:59.61	38° 57.29′	111° 22.40′	2.5*	1.6W	13	69	18	0.15
140305	14:37:59.43	38° 57.60′	111° 23.03′	3.0*	1.0	8	152	19	0.08
140305	14:48:29.44	38° 57.47′	111° 22.55′	2.9*	1.1W	11	70	18	0.13
140305	19:19:06.29	41° 43.75′	111° 06.04′	-2.8*	1.9W	18	150	28	0.22
140305	19:29:37.83	41° 43.00′	111° 04.81′	11.3*	1.9W	16	147	30	0.06
140305	22:21:52.14	42° 00.87′	112° 31.97′	1.1*	1.1	13	146	15	0.13
140306	05:24:04.13	38° 57.74′	111° 23.89′	3.6*	0.9W	6	156	20	0.05
140306	10:40:34.56	40° 33.75′	111° 15.66′	13.5	1.4W	22	85	9	0.14
140306	12:17:14.65	40° 34.01′	111° 15.17′	14.4	0.5	11	87	12	0.07
140307	02:39:18.16	38° 57.35′	111° 22.67′	4.8*	1.4	7	107	18	0.09
140307	04:20:08.07	38° 57.76′	111° 24.11′	1.2*	2.1W	21	70	20	0.23
140307	08:54:30.70	38° 57.93′	111° 24.83′	-3.3*	2.6W	31	41	21	0.16
140307	09:41:15.48	41° 25.14′	112° 02.80′	10.7	0.0	11	70	6	0.19
140307	10:36:20.14	38° 57.29′	111° 23.66′	1.0*	1.2W	8	108	20	0.08
140307	11:09:29.60	38° 57.91′	111° 24.90′	1.9*	2.1W	23	51	21	0.21
140307	11:27:05.88	38° 57.45′	111° 23.13′	3.5*	1.7	6	107	19	0.04
140307	15:45:25.54	38° 57.35′	111° 23.58′	1.7*	1.6W	17	72	20	0.10
140307	18:13:56.41	38° 57.28′	111° 22.85′	12.6	1.5	7	107	19	0.12
140307	22:23:59.84	38° 57.45′	111° 23.40′	3.8*	1.7W	16	71	19	0.17
140308	01:51:22.78	38° 57.98′	111° 23.77′	1.6*	2.0W	22	48	20	0.21
140308	02:02:59.80	41° 30.33′	112° 18.87′	1.5*	1.1	14	105	11	0.14
140308	02:15:15.41	38° 57.64′	111° 22.75′	6.1*	1.1W	8	106	19	0.13
140308	02:41:52.63	38° 57.66′	111° 24.02′	0.2*	1.7W	16	70	20	0.15
140308	13:08:34.16	39° 14.16′	110° 25.05′	14.7	1.2W	12	187	17	0.08
140308	20:37:13.43	38° 43.32′	112° 33.16′	5.0*	0.9	8	155	16	0.11
140308	20:44:16.70	37° 31.10′	114° 04.25′	3.8*	1.2	12	109	20	0.22
140310	09:35:31.58	41° 42.44′	112° 46.86′	1.0	0.7	13	169	8	0.24
140310	12:52:02.86	40° 51.43′	111° 38.10′	12.4	0.7	11	123	17	0.07

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140310	15:58:41.10	40º 46.70′	110º 58.79′	10.1	1.1	16	151	13	0.21
140311	00:41:04.93	42º 01.54′	112º 31.74′	8.3	1.2	17	146	14	0.14
140311	08:51:11.80	38º 57.54′	111º 22.75′	3.2*	1.6	5	150	19	0.07
140311	10:22:44.09	42º 01.27′	112º 32.01′	5.9*	1.1	15	148	14	0.15
140311	14:27:55.70	38º 57.53′	111º 23.10′	1.7*	1.3W	8	71	19	0.08
140311	15:27:19.93	39º 57.90′	109º 25.74′	-2.4*	2.1W	18	89	68	0.17
140311	21:17:34.00	37º 23.59′	112º 28.21′	2.3*	2.2W	15	116	15	0.27
140312	11:07:48.04	38º 57.14′	111º 22.93′	1.4*	1.2W	8	73	19	0.16
140312	16:39:21.60	38º 57.40′	111º 23.01′	3.2*	1.2W	8	71	19	0.12
140312	18:20:32.30	39º 14.16′	110º 28.53′	12.2	1.3W	11	186	15	0.07
140313	14:43:22.68	41º 51.47′	112º 41.70′	4.3*	2.0W	20	166	11	0.19
140313	17:16:22.85	37º 21.88′	112º 40.74′	16.2	1.0	12	79	30	0.09
140314	10:11:05.86	41º 06.91′	110º 38.19′	6.0*	2.1W	17	126	39	0.25
140314	10:22:53.37	37º 31.54′	114º 04.89′	8.9*	1.6W	14	101	21	0.11
140314	16:03:51.17	40º 33.67′	111º 16.13′	14.0	3.2W	42	61	9	0.16
140314	16:09:46.13	40º 33.79′	111º 15.16′	11.3	0.5	12	88	13	0.12
140314	17:22:45.67	41º 57.99′	112º 23.07′	6.1	1.0	14	100	6	0.24
140314	18:17:14.06	40º 33.54′	111º 16.45′	15.5	0.6	10	155	12	0.07
140314	18:22:45.43	40º 33.33′	111º 16.15′	13.5	1.6W	24	83	8	0.15
140314	22:35:20.40	37º 21.22′	112º 40.43′	5.9*	0.7	7	103	31	0.09
140315	00:14:10.39	38º 59.07′	111º 19.73′	13.2	1.0	6	143	16	0.04
140315	00:22:38.55	40º 33.69′	111º 15.65′	13.4	0.6	15	85	9	0.11
140315	00:37:34.86	38º 56.75′	111º 22.55′	3.2*	1.4	6	116	18	0.05
140315	05:00:58.33	41º 58.13′	112º 23.94′	1.3	0.9	12	100	8	0.07
140315	08:16:38.20	38º 57.93′	111º 24.23′	5.3*	1.8W	21	69	21	0.20
140315	09:54:26.91	38º 57.13′	111º 22.99′	3.1*	2.7W	21	73	19	0.13
140316	00:55:50.10	40º 33.91′	111º 15.41′	12.8	0.7	13	85	10	0.08
140316	06:15:59.63	40º 33.80′	111º 16.65′	11.6	0.2	10	140	12	0.10
140316	06:57:55.76	38º 44.67′	112º 07.70′	10.4	1.3	8	117	4	0.35
140316	07:44:24.41	38º 45.52′	112º 07.12′	8.2	1.4W	12	109	3	0.07
140316	15:42:17.34	40º 33.31′	111º 16.12′	11.9	1.4W	23	61	8	0.18
140316	17:08:14.46	41º 05.34′	112º 00.46′	12.8	2.4W	50	42	3	0.22
140316	22:38:34.70	41º 05.32′	112º 00.57′	11.8	1.8W	31	57	8	0.17
140318	00:40:06.47	39º 38.28′	111º 56.20′	0.1*	1.4	9	104	18	0.08
140318	01:59:57.12	41º 40.07′	112º 06.27′	5.0	0.9	7	186	7	0.06
140318	02:00:28.65	41º 40.10′	112º 06.37′	6.7	0.9	8	87	8	0.07
140318	11:47:11.05	37º 52.04′	112º 59.31′	-2.9*	2.1W	17	84	26	0.27
140318	12:51:05.22	38º 56.27′	111º 24.33′	1.8*	1.2W	7	90	18	0.18
140318	23:42:00.39	42º 25.80′	111º 31.04′	2.8*	1.7W	16	117	41	0.20
140319	05:38:44.83	38º 40.92′	112º 12.90′	8.7*	1.3	12	59	19	0.09
140319	07:49:40.56	37º 54.60′	113º 15.29′	4.2*	2.0	13	92	21	0.13
140319	21:53:33.20	41º 47.35′	112º 17.57′	3.2*	1.5W	16	109	16	0.11
140320	02:47:02.25	38º 57.25′	111º 22.36′	1.4*	1.0W	6	125	18	0.22
140320	11:45:54.45	38º 57.41′	111º 23.63′	3.4*	2.3W	22	51	20	0.09
140320	12:08:08.98	38º 57.23′	111º 22.48′	3.6*	1.5	6	125	18	0.12

Table 2. Earthquakes in the Utah Region: January 1–March 31, 2014

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
140320	13:00:35.74	39° 13.10′	110° 53.90′	17.5	1.9W	21	88	20	0.12
140320	16:39:11.66	38° 57.37′	111° 22.89′	6.5*	1.2W	7	127	19	0.03
140320	20:08:09.66	37° 57.65′	111° 49.16′	3.6*	1.2	9	102	23	0.30
140320	20:33:41.11	38° 57.38′	111° 23.75′	2.1*	2.1W	21	71	20	0.13
140321	03:31:26.72	37° 25.97′	113° 46.57′	6.6	0.8	9	101	8	0.05
140321	06:05:47.54	41° 47.51′	112° 17.86′	4.9*	0.8	10	127	13	0.12
140321	18:44:44.39	42° 14.57′	111° 21.75′	5.9*	0.8	10	130	33	0.21
140321	21:57:12.87	40° 33.73′	111° 14.57′	12.2	0.8	13	91	10	0.15
140322	01:28:55.12	40° 33.26′	111° 15.80′	11.8	0.4	12	85	13	0.13
140322	02:00:17.21	40° 33.79′	111° 15.63′	12.9	1.0W	17	85	9	0.11
140322	02:20:33.63	40° 33.45′	111° 16.10′	13.6	1.4W	24	61	8	0.16
140322	06:58:35.17	40° 33.63′	111° 16.09′	14.6	1.0W	21	83	9	0.12
140322	11:34:09.64	36° 52.20′	113° 41.69′	18.8	2.2W	16	112	37	0.09
140322	20:55:43.58	40° 34.07′	111° 15.81′	12.7	1.4W	33	62	10	0.12
140322	20:57:26.30	36° 48.39′	113° 46.84′	14.7*	1.8W	13	122	40	0.10
140322	21:24:44.69	38° 57.37′	111° 24.62′	4.5*	1.9W	23	51	20	0.18
140322	22:15:48.46	38° 57.27′	111° 22.68′	1.8*	1.6W	13	73	18	0.10
140323	01:26:16.64	38° 40.45′	112° 35.15′	-3.1*	1.9W	16	60	14	0.26
140323	06:03:51.77	40° 33.74′	111° 15.75′	13.3	1.3W	18	85	9	0.12
140323	13:11:31.93	40° 58.72′	111° 38.97′	8.8	1.9W	26	47	8	0.13
140323	13:29:25.57	38° 41.19′	112° 08.97′	1.7*	1.6W	13	58	19	0.12
140323	16:07:47.89	37° 48.75′	113° 01.04′	3.6*	0.8	8	168	25	0.14
140323	23:53:23.87	38° 49.03′	111° 32.17′	13.9	1.8W	14	69	11	0.16
140324	01:02:24.09	37° 23.72′	112° 54.15′	3.1*	1.0	8	124	20	0.14
140324	01:48:23.34	38° 40.19′	112° 09.26′	2.6*	1.6W	9	113	18	0.07
140324	21:39:42.83	36° 59.18′	111° 24.88′	7.9	2.0	12	149	10	0.13
140325	09:59:35.45	37° 35.17′	112° 19.89′	2.0*	1.3	16	100	16	0.25
140325	12:01:08.93	42° 15.61′	111° 20.37′	4.7*	1.8W	11	110	35	0.31
140325	21:26:08.58	39° 27.31′	111° 12.52′	1.5*	1.6W	13	84	18	0.12
140325	23:53:11.46	40° 33.91′	111° 15.29′	12.8	1.0	16	87	10	0.11
140325	23:53:18.49	40° 32.76′	111° 17.77′	11.3	0.5	7	211	10	0.05
140327	01:23:04.54	37° 48.01′	109° 10.84′	5.8*	2.0	8	185	43	0.24
140328	04:24:52.11	37° 36.23′	113° 18.51′	-0.8	1.2	9	121	8	0.13
140328	10:06:01.43	39° 25.65′	111° 13.00′	-2.5*	2.1W	24	38	15	0.15
140328	10:41:38.92	37° 04.82′	112° 50.03′	11.8	2.0W	14	88	7	0.15
140329	02:20:52.97	38° 57.51′	111° 22.80′	5.0*	1.2W	6	107	19	0.06
140329	11:37:55.39	37° 31.74′	113° 06.52′	13.4	1.0	7	97	8	0.06
140330	08:12:13.77	41° 46.93′	111° 32.51′	9.8	0.5	6	134	19	0.07
140330	08:19:55.01	38° 57.56′	111° 22.81′	2.9*	1.2W	7	151	19	0.07
140330	08:37:18.82	38° 57.60′	111° 23.36′	1.6*	2.0W	11	108	19	0.09
140330	10:48:47.07	38° 57.39′	111° 23.65′	3.0*	1.4W	9	155	20	0.20
140330	11:33:07.77	38° 57.49′	111° 23.05′	1.4*	1.2W	6	152	19	0.10
140331	14:17:18.60	40° 26.76′	111° 21.99′	1.1	1.0W	14	145	7	0.09
140331	23:56:28.04	40° 27.19′	111° 21.81′	4.8	0.5	8	137	6	0.08

number of earthquakes = 359
* indicates poor depth control
W indicates Wood-Anderson data used for magnitude calculation

Table 3
UNIVERSITY OF UTAH REGIONAL/URBAN SEISMIC NETWORK
Operating Seismograph Stations
March 31, 2014

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	Panthr944swy2008, 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 Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
BHU	Blowhard Mountain, UT	BHU	EH[ZEN]	3	UU	37° 35.55′	112° 51.42′	3230	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 Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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	ANSS-130	Digital	ANSS
									Mems			
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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
FLU	Fool′s Peak, UT	FLU	EHZ	1	UU	39° 22.69′	112° 10.29′	1951	18300	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			EN[ZEN]	3					EpiSensor			
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	GRRI	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	NCF
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
HFSU	Holladay Fire Station Holladay, UT	HFSU	EN[ZEN]	3	UU	40° 40.21′	111° 49.54′	1344	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	3T	72A-07	Digital	Utah

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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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
LEVU	Levan, UT	LEVU	EHZ	1	UU	39° 30.39′	111° 48.88′	1996	L4C	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			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
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						Basalt	Digital	
			EN[ZEN]	3					EpiSensor			
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	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			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

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

UUSRN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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
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			
QLMZ	Earthquake Lake, MT	QLMT	EHZ	1	MB	44° 49.84′	111° 25.80′	2064	*	*	Analog	MBMT
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			

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			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					EpiSensor			
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
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
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					EpiSensor			
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			

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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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
WCU	Willow Creek, UT	WCU	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	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						Basalt	Digital	
			EN[ZEN]	3					EpiSensor			
WRP	Water Reclamation Plant Salt Lake City, UT	WRP	EN[ZEN]	3	UU	40° 48.82′	111° 55.87′	1286	Applied Mems	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 Mems	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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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	Trillium 120	72A-07	Digital	USGS
			EN[ZEN]	3					Titan			
			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					40T	ANSS-130	Digital	
			EN[ZEN]	3					Titan			
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	Q330	Digital	
			EN[ZEN]	3					Titan			
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			
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	Q330	Digital	
			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	Taurus	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	RT-130	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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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	Q330	Digital	
			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	Q330	Digital	
			EN[ZEN]	3					Titan			
YUF	Upper Falls (YNP), WY	YUF	HH[ZEN]	3	WY	44° 42.76′	110° 30.71′	2394	3ESP	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: 833 data channels from 267 stations were being recorded at the end of this report period

EXPLANATION OF TABLE

UURSN Code: Station code formerly used in routine processing. Due to processing 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
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
IESE-S2	Institute of Earth Science and Engineering S-2 model borehole seismometer

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)

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 Booundary Observatory

NETWORK CHANGES DURING JANUARY 1-MARCH 31, 2014

February 13	RBU EHZ analog closed
February 14	MHD EHZ analog closed
March 10	FMC HH[ZEN] installed
March 26	B205 replaced by B950