

EARTHQUAKE ACTIVITY IN THE UTAH REGION

Preliminary Epicenters

April 1 – June 30, 2013

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

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by R. Burlacu, P. M. Roberson, J. M. Hale, Y. H. Wong, N. S. Mohammad Jamaal, and S. Whittaker
with contributions by
K. D. Koper, J. C. Pechmann, and K. L. Pankow

University of Utah Seismograph Stations
115 South 1460 East, Room 107 FASB
Salt Lake City, UT 84112-0102
Tele: (801) 581-6274 FAX: (801) 585-5585
email: burlacu@seis.utah.edu
URL: <http://www.seis.utah.edu> (aka quake.utah.edu)

During the three-month period April 1 through June 30, 2013, the University of Utah Seismograph Stations (UUSS) located 571 earthquakes within the Utah region (Figure 1). The total includes one earthquake in the magnitude 3 range and 41 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. Four earthquakes were reported felt during the report period (see Table 1, a cumulative tabulation of earthquakes during 2013 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 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?" webpage at <http://earthquake.usgs.gov/earthquakes/dyfi/>. We encourage anyone who feels an earthquake to report their observations on this interactive website; 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 3.1 May 29 07:32 MST 11 mi WNW of Garland, 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 39 earthquakes ($0.3 \leq M \leq 3.1$) occurred about 6 miles SSW of Malad City, ID. Seventeen of these events, including a magnitude 3.1 shock, occurred between May 29 and May 31.
- B. A cluster of 12 earthquakes ($1.2 \leq M \leq 2.5$) occurred about 5 miles SSW of Copperton, UT. Four of these events, including a magnitude 2.5 shock, occurred on April 11.
- C. A cluster of 25 earthquakes ($0.3 \leq M \leq 1.8$) occurred about 14 miles SW of Cedar City, UT. Ten of these events, including a magnitude 1.8 shock, occurred between June 16 and June 19.

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 303 located shocks ($0.6 \leq M \leq 2.2$) that occurred throughout the report period.

Seismicity of the Utah Region April 1, 2013 - June 30, 2013

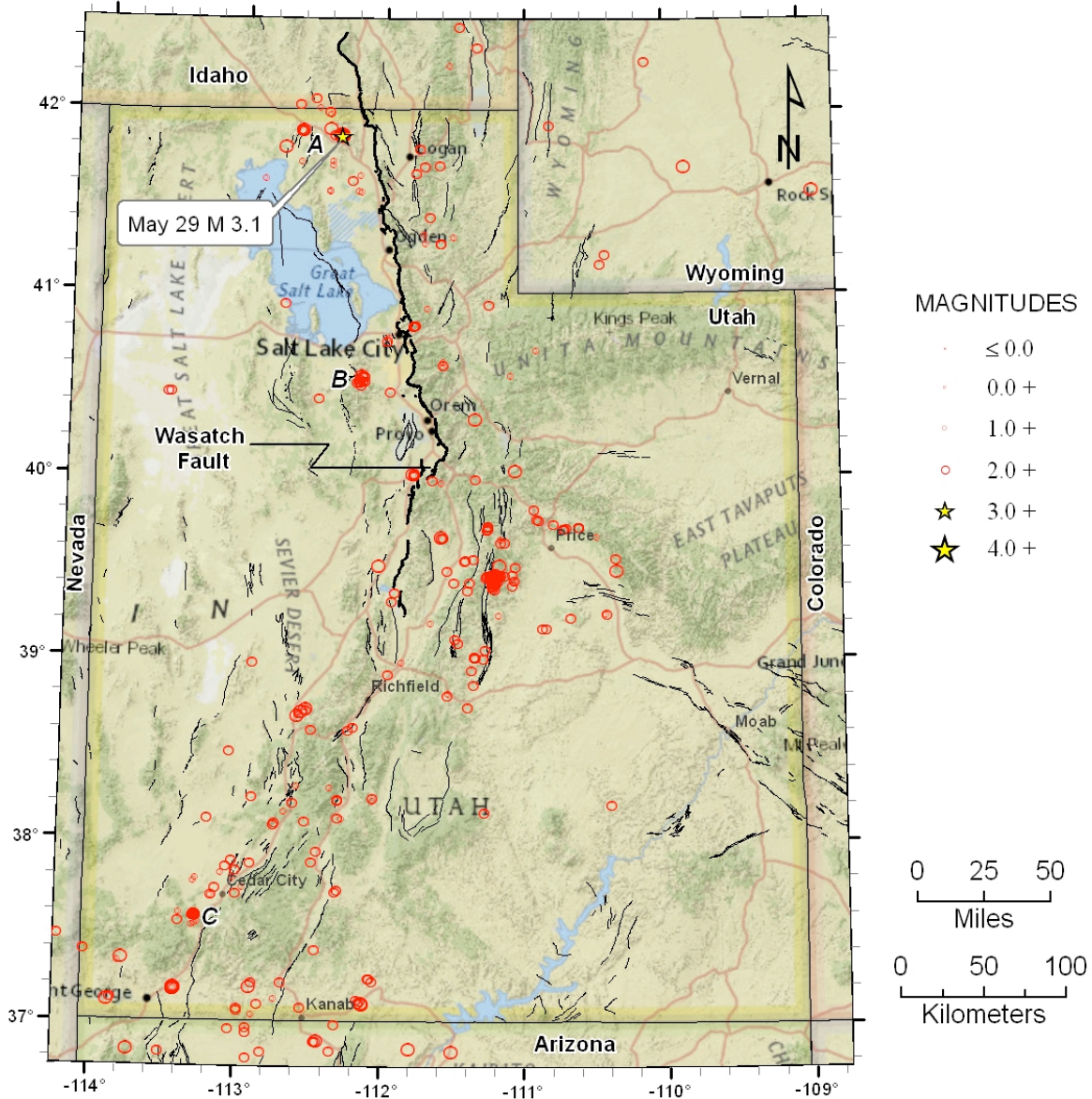


Figure 1. Earthquake epicenters, located by the University of Utah Seismograph Stations, superposed on a map of Quaternary (geologically young) faults compiled by the Utah Geological Survey (black lines). The Wasatch fault is shown in bold. Earthquakes of magnitude 3.0 and larger are labeled by local 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, 2013 to June 30, 2013**

Date	Time†	Felt Information‡	Latitude	Longitude	Magnitude§
January 23 January 24	21:46 MST 04:46 UTC	Colorado. <i>CIIM</i> . Felt (IV) at Bedrock, CO, (III) at Monticello, Moab UT and Whitewater, Grand Junction, Hotchkiss, Crawford, New Castle, CO, and (II) at Nucla, Redvale, Olathe, Delta, Placerville, Montrose, Clifton, Palisade, Fruita, Ridgway, Telluride, Cortez, Paonia, Lafayette (?), CO.	38° 19.43'	108° 59.43'	M _w 3.9
February 06	11:47 MST 18:47 UTC	Utah. <i>CIIM</i> . Felt (III) at Cedar City, UT.	37° 47.48'	113° 07.42'	M _L 2.7
February 07	12:29 MST 19:29 UTC	Utah. <i>CIIM</i> . <i>ShakeMap</i> . Felt (III) at Farmington, Cedar City, UT.	37° 48.24'	113° 06.35'	M _L 3.1
February 07	13:02 MST 20:02 UTC	Utah. <i>CIIM</i> . <i>ShakeMap</i> . Felt (III) at Cedar City, UT.	37° 47.30'	113° 07.45'	M _L 3.4
February 07	13:35 MST 20:35 UTC	Utah. <i>CIIM</i> . Felt (II) at Cedar City,, UT.	37° 45.89'	113° 08.11'	M _L 2.0
February 07 February 08	19:47 MST 02:47 UTC	Utah. <i>CIIM</i> . <i>ShakeMap</i> . Felt (III) at Cedar City, Saint George, UT.	37° 46.39'	113° 07.74'	M _L 3.7
February 07 February 08	20:19 MST 03:19 UTC	Utah. <i>CIIM</i> . Felt (III) at Cedar City,, UT and (II) at Delta, Provo (?), UT and Grand Junction (?), CO.	37° 47.16'	113° 07.52'	M _L 2.8
April 19	00:14 MST 06:14 UTC	Utah. <i>CIIM</i> . Felt (III) at Payson, Salem, Mona, Salina (?), and Willard (?), UT and (II) at Spanish Fork, Mapleton, and Springville, UT.	40° 00.07'	111° 47.59'	M _L 2.8

Table 1

**EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION
January 1, 2013 to June 30, 2013**

May 29	07:32 MST 13:32 UTC	Utah. <i>CIIM</i> . <i>ShakeMap</i> . Felt (III) at Tremonton, UT and (II) at Plymouth, Portage, and Honeyville, UT.	41° 50.79'	112° 19.35'	M _L 3.1
May 31	16:34 MST 22:34 UTC	Utah. <i>CIIM</i> . Felt (II) at Hurricane, UT.	37° 10.44'	113° 24.82'	M _L 2.8
May 31	16:45 MST 22:45 UTC	Utah. <i>CIIM</i> . <i>ShakeMap</i> . Felt (III) at Washington and Hurricane, UT and (II) at Saint George, UT.	37° 10.31'	113° 24.78'	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 Urban Seismic Network (June 30, 2013)

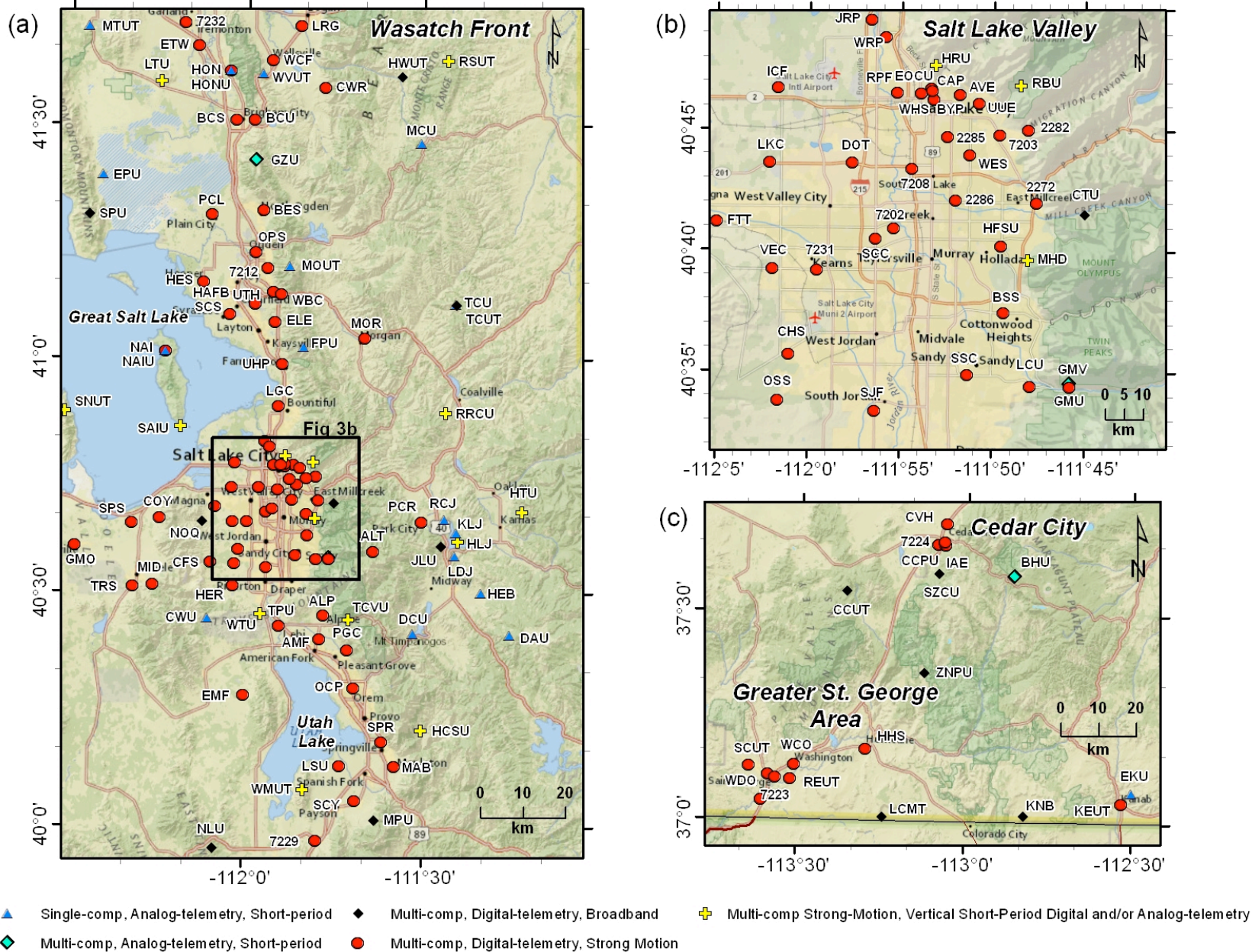


Figure 3

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2013

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130401	08:17:27.04	41° 41.32'	111° 36.98'	9.8	1.3W	14	63	10	0.17
130401	14:20:59.74	41° 38.21'	112° 11.41'	-0.1	0.8	11	87	7	0.09
130401	21:32:38.82	38° 50.68'	111° 21.43'	1.5	1.6	5	108	9	0.33
130402	00:49:15.08	39° 42.61'	110° 36.87'	-2.2	1.1W	8	81	3	0.08
130402	06:13:44.12	37° 12.30'	112° 52.90'	18.8	1.8W	15	72	22	0.16
130402	12:03:59.21	40° 43.56'	111° 58.96'	8.6	1.5W	41	52	4	0.19
130402	15:17:38.30	36° 53.40'	112° 25.44'	20.2	2.8W	17	115	22	0.21
130402	15:35:10.32	36° 53.25'	112° 26.76'	22.5	1.3	8	154	21	0.12
130403	00:06:59.32	41° 47.37'	112° 44.37'	4.3	2.2W	24	172	3	0.15
130403	08:21:53.88	39° 57.90'	111° 39.43'	-1.3	1.0	8	175	6	0.07
130404	00:38:41.94	38° 06.57'	113° 12.61'	5.4*	1.5	13	101	19	0.15
130404	01:47:47.58	40° 55.69'	111° 15.39'	12.5	1.1W	20	119	16	0.13
130404	13:13:53.21	37° 45.76'	113° 17.33'	0.6*	0.4	8	111	14	0.11
130404	19:54:50.50	39° 26.43'	111° 10.10'	3.0*	1.6	5	162	16	0.10
130404	20:17:00.41	39° 26.09'	111° 12.85'	1.5*	1.4W	12	83	15	0.16
130405	06:54:58.63	39° 05.73'	111° 29.30'	5.8*	1.3	5	136	17	0.06
130405	10:10:01.22	39° 41.95'	111° 15.45'	1.6	1.3W	9	91	8	0.17
130406	07:12:29.23	38° 59.59'	111° 21.05'	2.7*	1.0	6	129	18	0.12
130406	09:01:44.38	39° 21.89'	111° 24.21'	16.5	0.9	6	190	13	0.01
130406	14:35:54.68	36° 50.15'	111° 29.91'	10.7*	2.7W	17	147	84	0.18
130407	05:46:35.00	39° 42.53'	111° 15.34'	-3.4	1.5W	17	72	9	0.14
130408	12:37:19.63	39° 10.96'	111° 39.90'	19.0	0.7	6	195	2	0.07
130408	14:16:16.00	39° 26.63'	111° 12.80'	1.7*	1.1W	10	118	16	0.08
130409	01:08:34.31	39° 25.39'	111° 14.13'	4.1*	1.2	10	146	14	0.13
130409	04:33:27.46	39° 26.47'	111° 14.60'	1.4*	1.4	9	125	16	0.13
130409	04:50:25.23	39° 24.96'	111° 13.33'	2.8*	1.4	5	230	13	0.03
130409	07:38:29.20	39° 26.29'	111° 12.77'	2.9*	1.6	8	116	16	0.11
130409	11:58:09.05	37° 50.62'	113° 04.41'	9.9	1.1	16	91	19	0.10
130409	19:20:01.58	39° 26.51'	111° 13.18'	2.8*	1.3	8	119	16	0.17
130409	22:42:03.08	39° 26.91'	111° 11.04'	4.8*	1.1	5	266	17	0.08
130410	02:47:25.37	39° 25.41'	111° 13.09'	3.5*	1.2	7	231	14	0.12
130410	03:02:58.15	39° 26.07'	111° 13.31'	2.2*	1.0W	10	83	15	0.13
130410	03:14:47.21	39° 24.31'	111° 12.84'	2.5*	1.1	6	226	12	0.08
130410	05:02:50.49	39° 26.55'	111° 13.48'	-0.1*	1.2W	12	85	16	0.16
130410	07:54:03.80	39° 24.80'	111° 12.92'	3.7*	0.7	5	229	13	0.08
130410	15:39:04.60	39° 24.53'	111° 13.56'	4.3*	1.3	6	228	13	0.07
130410	17:21:44.70	39° 26.59'	111° 12.58'	1.5*	1.2W	12	83	16	0.35
130410	17:26:19.74	39° 24.60'	111° 12.85'	6.1*	1.2	6	227	13	0.12
130410	18:33:03.71	39° 24.65'	111° 13.49'	1.8*	1.5	6	228	13	0.07
130410	18:43:05.34	39° 25.16'	111° 12.91'	3.5*	1.3	5	230	14	0.08
130410	18:51:08.27	39° 42.34'	110° 42.37'	-2.2	1.5W	7	146	4	0.07
130410	20:51:24.21	39° 26.52'	111° 13.02'	1.6*	1.4W	11	117	16	0.09
130410	23:08:00.93	39° 26.56'	111° 13.69'	1.8*	1.8	9	121	16	0.13
130410	23:23:56.90	39° 25.46'	111° 13.41'	3.1*	1.3	7	151	14	0.10
130411	01:22:55.50	39° 26.58'	111° 12.98'	1.3*	1.2W	9	118	16	0.13

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2013

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130411	01:50:40.14	39° 26.36'	111° 12.16'	5.4*	0.9	6	152	16	0.13
130411	03:47:18.41	39° 31.34'	111° 25.33'	10.0*	1.1W	11	104	23	0.09
130411	05:07:36.33	40° 32.39'	112° 09.54'	0.8	1.8	17	88	8	0.23
130411	05:08:41.36	40° 32.01'	112° 09.35'	0.1	1.2	15	104	9	0.13
130411	05:11:04.55	40° 31.88'	112° 08.80'	0.5	1.2	7	108	9	0.31
130411	05:16:12.35	40° 32.14'	112° 09.76'	2.2	2.5W	45	68	8	0.18
130411	07:02:02.18	38° 59.98'	111° 21.27'	1.7*	0.9	5	134	18	0.08
130411	07:11:02.80	39° 26.25'	111° 12.68'	2.1*	1.0	6	152	16	0.18
130411	13:42:46.28	39° 26.47'	111° 12.47'	5.8*	1.0W	7	121	16	0.18
130411	14:16:55.34	39° 26.13'	111° 12.28'	1.6*	1.4	6	234	15	0.12
130411	16:55:03.46	39° 25.36'	111° 12.31'	5.9*	1.5	6	231	14	0.09
130411	17:55:20.28	39° 26.44'	111° 14.60'	1.3*	1.4W	9	186	16	0.19
130411	18:30:10.69	39° 25.74'	111° 12.57'	2.5*	1.7	6	195	15	0.09
130411	19:10:53.79	39° 26.56'	111° 12.07'	3.6*	1.7	6	115	16	0.14
130411	19:49:53.15	39° 25.39'	111° 13.05'	2.8*	1.5	5	231	14	0.05
130411	20:25:35.22	39° 24.82'	111° 13.08'	3.8*	1.1	6	229	13	0.05
130411	22:43:17.95	39° 26.34'	111° 13.21'	1.6*	1.0W	11	84	16	0.13
130411	23:07:38.66	39° 25.98'	111° 13.78'	1.5*	1.1W	7	120	15	0.19
130411	23:11:22.23	39° 30.17'	111° 10.52'	6.1*	2.0	5	163	22	0.17
130412	01:20:49.05	39° 24.07'	111° 13.50'	6.0	1.3	6	225	12	0.08
130412	03:45:45.00	39° 26.54'	111° 12.42'	1.5*	1.5	7	115	16	0.10
130412	03:54:06.31	39° 26.49'	111° 12.35'	3.6*	1.8	5	121	16	0.17
130412	05:17:23.29	38° 08.65'	111° 16.65'	8.1	1.8	16	108	6	0.11
130412	06:37:12.66	39° 27.00'	111° 13.56'	2.3*	1.1	7	239	17	0.16
130412	08:04:49.06	39° 26.13'	111° 12.42'	2.7*	1.5	7	197	15	0.09
130412	16:28:54.44	39° 26.28'	111° 12.57'	3.4*	1.0	6	235	16	0.14
130412	17:37:00.50	39° 27.55'	111° 12.00'	6.9*	1.6	8	87	18	0.14
130412	21:36:07.64	39° 25.95'	111° 13.38'	-1.7*	1.5	11	118	15	0.18
130413	04:03:42.61	39° 58.24'	111° 21.07'	13.5	1.0	19	94	25	0.20
130413	11:43:54.04	39° 26.33'	111° 13.28'	1.7*	1.5	10	118	16	0.11
130413	11:50:37.13	41° 15.69'	111° 36.39'	9.9*	1.9W	33	113	23	0.14
130413	13:36:18.18	37° 27.66'	114° 13.17'	14.1*	1.6	10	155	32	0.12
130413	21:47:21.93	39° 09.31'	110° 50.93'	6.0*	1.5W	8	128	27	0.05
130414	03:52:20.51	41° 15.67'	111° 36.35'	10.1*	1.8W	21	112	23	0.09
130414	07:19:39.16	37° 22.91'	114° 02.21'	4.8*	1.8	12	115	18	0.17
130414	21:54:52.19	40° 30.26'	112° 09.51'	0.0	1.5W	13	74	8	0.19
130415	15:05:39.22	40° 34.55'	111° 35.47'	5.6*	-.2	6	194	12	0.03
130415	15:06:26.94	40° 35.40'	111° 35.13'	5.8*	0.7W	8	181	12	0.03
130415	15:24:09.42	40° 35.59'	111° 35.27'	8.5	1.2W	20	125	12	0.07
130415	16:02:02.66	39° 37.59'	111° 08.66'	3.2	1.1W	15	96	5	0.13
130415	16:16:19.97	39° 26.47'	111° 13.39'	2.1*	1.5	10	120	16	0.17
130415	17:21:22.49	39° 26.24'	111° 10.43'	9.7	1.8	8	106	16	0.10
130415	19:08:55.61	39° 24.06'	111° 12.88'	4.5*	1.1	5	225	12	0.04
130415	20:17:40.00	39° 26.64'	111° 12.78'	-3.4*	1.7	9	118	16	0.10
130415	21:34:56.37	39° 26.22'	111° 13.02'	1.4*	1.7	9	117	16	0.18

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2013

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130415	23:51:15.30	40° 30.25'	112° 11.11'	1.4	1.7W	25	60	6	0.21
130415	23:58:10.81	39° 25.32'	111° 12.67'	2.2*	1.6	8	162	14	0.09
130416	01:07:23.19	39° 26.70'	111° 13.23'	-3.2*	1.1W	14	85	17	0.11
130416	01:07:23.97	39° 26.57'	111° 13.92'	1.7*	1.6	16	87	16	0.19
130416	01:32:57.75	39° 26.47'	111° 13.24'	1.5*	1.3W	15	119	16	0.15
130416	02:16:14.02	39° 26.57'	111° 13.20'	-1.8*	1.4	9	119	16	0.09
130416	03:25:02.24	39° 25.54'	111° 12.68'	-2.1*	1.2W	13	150	14	0.07
130416	06:57:06.09	37° 35.47'	113° 23.35'	8.9	0.8	8	100	5	0.08
130416	09:34:39.40	39° 26.49'	111° 13.31'	2.3*	1.2	10	120	16	0.15
130416	10:45:25.17	39° 26.60'	111° 12.97'	2.1*	1.1	7	118	16	0.13
130416	15:07:31.09	38° 08.93'	112° 40.54'	6.1*	0.4	13	97	15	0.16
130416	15:41:07.11	39° 25.68'	111° 12.95'	2.1*	1.3W	13	151	15	0.09
130416	16:18:50.10	39° 43.42'	110° 47.65'	-3.4	1.4W	12	94	4	0.17
130416	16:54:11.50	39° 26.25'	111° 13.28'	1.5*	1.4	9	118	16	0.17
130416	18:56:29.64	40° 01.18'	111° 03.78'	1.8*	2.0W	31	93	31	0.19
130416	19:08:49.70	41° 51.34'	112° 22.82'	5.5	1.0	9	133	9	0.05
130416	19:14:04.71	40° 30.27'	112° 08.78'	0.3	1.9W	14	65	8	0.14
130416	19:55:35.30	37° 05.26'	112° 50.29'	18.0	1.7	8	150	8	0.08
130416	20:04:52.21	39° 25.11'	111° 12.18'	1.8*	0.9W	7	147	14	0.07
130416	23:28:07.30	39° 26.48'	111° 12.74'	2.7*	1.2	9	71	16	0.14
130416	23:46:58.86	39° 26.13'	111° 12.21'	1.1*	1.4	7	113	15	0.15
130417	01:52:24.31	39° 24.93'	111° 04.52'	1.7*	0.9W	9	81	11	0.10
130417	03:07:46.70	39° 24.24'	111° 13.60'	4.9*	1.6	5	226	12	0.05
130417	03:59:18.63	39° 26.06'	111° 13.21'	2.7*	1.3	8	117	15	0.14
130417	05:32:41.13	39° 26.49'	111° 13.37'	-3.1*	1.7	15	85	16	0.13
130417	06:35:25.00	39° 26.58'	111° 13.52'	1.8*	1.3	7	117	16	0.08
130417	07:23:30.26	39° 26.53'	111° 13.44'	1.1*	1.5	8	120	16	0.12
130417	09:15:38.06	41° 32.77'	112° 11.06'	0.3	0.6	9	94	7	0.08
130417	09:59:49.10	38° 59.18'	111° 17.45'	2.3*	1.5	8	70	13	0.13
130417	10:08:24.97	39° 26.70'	111° 12.76'	1.7*	1.2	8	82	16	0.10
130417	21:01:07.51	39° 26.63'	111° 12.57'	3.0*	1.3	7	116	16	0.09
130417	22:07:34.01	40° 30.04'	112° 10.80'	3.0	1.6W	11	155	7	0.23
130417	22:19:49.99	39° 26.47'	111° 13.18'	1.7*	1.6	8	119	16	0.14
130418	00:10:36.02	39° 25.51'	111° 12.10'	2.5*	1.2	6	231	14	0.22
130418	03:56:39.93	39° 26.63'	111° 11.24'	2.4*	1.3	7	125	16	0.11
130418	03:59:38.26	39° 26.05'	111° 12.53'	8.0	1.7	6	234	15	0.15
130418	04:59:35.78	39° 24.69'	111° 11.47'	3.0*	1.5	6	187	13	0.14
130418	05:31:27.22	41° 51.41'	112° 20.18'	4.0	2.3W	28	79	8	0.16
130418	05:35:02.52	39° 25.59'	111° 12.96'	2.0*	1.7	7	150	14	0.07
130418	09:14:10.68	39° 39.54'	110° 29.72'	2.2	0.6	5	102	9	0.17
130418	10:24:53.86	39° 26.39'	111° 12.87'	-2.3*	1.5	10	117	16	0.11
130418	12:16:39.62	39° 26.56'	111° 13.33'	1.4*	1.3W	11	120	16	0.14
130418	13:03:41.05	36° 53.25'	112° 25.87'	19.8	1.8	12	132	20	0.13
130418	15:53:18.05	39° 26.52'	111° 11.88'	7.0*	1.4	7	123	16	0.05
130418	16:37:23.61	40° 30.11'	112° 10.81'	2.5	1.7W	28	60	7	0.26

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2013

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130418	20:48:26.41	39° 26.73'	111° 12.94'	1.4*	1.4	9	118	17	0.16
130418	21:29:44.93	40° 30.87'	112° 10.58'	0.0	1.7W	18	101	7	0.22
130418	21:33:33.02	39° 26.38'	111° 13.68'	1.6*	1.4W	12	121	16	0.22
130418	21:50:26.41	39° 26.35'	111° 13.03'	1.6*	1.6	8	117	16	0.14
130418	22:14:56.90	41° 41.09'	111° 43.19'	15.4	1.2	17	58	14	0.12
130418	23:15:11.90	39° 26.05'	111° 12.68'	2.6*	1.6	6	234	15	0.09
130419	02:32:35.14	39° 25.17'	111° 12.67'	2.8*	1.4	10	148	14	0.10
130419	05:22:39.87	36° 55.86'	112° 54.87'	20.7	1.4	11	154	13	0.14
130419	05:43:31.19	39° 26.49'	111° 12.98'	3.0*	1.1	6	119	16	0.15
130419	06:14:32.13	40° 00.07'	111° 47.59'	4.7	2.8W	49	52	9	0.21
130419	06:30:21.71	39° 25.12'	111° 12.80'	0.9*	1.5	6	148	14	0.06
130419	07:08:51.61	39° 59.85'	111° 46.98'	3.0	1.0	9	103	3	0.14
130419	08:11:02.92	39° 26.49'	111° 13.80'	1.4*	1.1W	12	73	16	0.24
130419	08:45:27.22	39° 59.95'	111° 47.22'	0.4	1.2W	12	82	9	0.06
130419	16:35:24.35	38° 43.46'	112° 31.84'	6.2*	0.8	8	183	15	0.13
130419	17:09:51.53	39° 26.16'	111° 12.71'	2.8*	1.5	6	235	15	0.19
130420	09:07:02.90	39° 59.54'	111° 47.23'	0.1	1.1W	15	76	10	0.08
130421	03:09:00.99	41° 08.97'	110° 27.36'	20.0*	1.4	15	148	54	0.23
130421	09:15:17.93	38° 17.34'	112° 35.38'	6.0*	0.5	6	114	34	0.08
130421	15:23:43.57	40° 44.77'	111° 58.38'	3.1	0.8W	10	95	9	0.08
130422	00:50:03.11	39° 26.66'	111° 12.27'	3.5*	1.8	5	146	16	0.13
130422	10:38:22.03	39° 25.73'	111° 12.76'	3.1*	1.4	6	151	15	0.04
130422	16:38:19.06	39° 26.65'	111° 12.84'	1.7*	1.7	6	119	16	0.06
130422	20:04:58.21	39° 24.39'	111° 13.22'	5.8*	1.3	5	227	12	0.07
130422	20:17:06.70	39° 25.48'	111° 12.81'	4.0*	1.3	5	232	14	0.08
130422	21:28:35.40	38° 13.51'	112° 54.13'	8.3	1.5	13	80	16	0.17
130422	21:50:34.60	39° 22.14'	111° 12.48'	14.0	1.0	5	215	8	0.15
130422	22:09:43.44	39° 02.34'	111° 16.50'	20.7	1.7	5	209	16	0.10
130423	01:58:56.49	39° 26.11'	111° 12.53'	9.2	1.0	7	202	15	0.13
130423	02:36:57.00	36° 57.75'	112° 54.71'	17.4	1.1	9	145	10	0.04
130423	06:48:36.36	39° 26.62'	111° 13.19'	1.4*	1.2W	10	119	16	0.14
130423	08:36:31.01	39° 24.85'	111° 12.96'	2.7*	1.3	5	229	13	0.05
130423	10:49:00.38	37° 42.23'	112° 18.72'	-1.8*	1.9	14	98	29	0.22
130423	15:54:32.91	39° 26.38'	111° 13.02'	2.9*	1.2	8	117	16	0.18
130423	18:28:58.35	39° 24.05'	111° 12.73'	3.7*	1.0	5	225	12	0.13
130423	23:23:12.79	37° 42.91'	112° 18.24'	3.9*	1.7W	15	96	30	0.13
130424	01:07:37.87	39° 26.41'	111° 13.10'	1.4*	1.4	8	118	16	0.16
130424	01:12:48.29	39° 26.37'	111° 12.50'	1.6*	1.7W	15	81	16	0.11
130424	03:04:08.53	39° 26.50'	111° 12.74'	1.8*	1.3	8	116	16	0.20
130424	04:42:55.51	39° 26.54'	111° 12.58'	1.4*	1.4	9	70	16	0.14
130424	04:57:52.65	39° 26.36'	111° 13.23'	2.8*	1.5	9	118	16	0.19
130424	05:01:16.37	39° 26.64'	111° 12.91'	4.9*	1.4	7	118	16	0.14
130424	05:40:08.82	39° 26.35'	111° 12.62'	2.7*	1.4	9	116	16	0.13
130424	07:01:09.99	39° 26.62'	111° 12.95'	1.5*	1.0W	10	118	16	0.12
130424	09:47:57.71	39° 26.44'	111° 12.98'	1.6*	1.5	8	117	16	0.12

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2013

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130424	10:39:07.49	38° 05.04'	112° 44.33'	6.8*	1.3	16	56	23	0.12
130424	13:40:29.00	38° 04.56'	112° 44.99'	3.5*	1.1	14	57	22	0.23
130424	14:31:56.82	39° 25.52'	111° 13.17'	1.4*	1.3W	13	82	14	0.08
130424	15:49:47.68	39° 24.76'	111° 12.60'	3.5*	1.4	5	228	13	0.03
130424	16:03:01.08	39° 23.69'	111° 12.56'	3.2*	1.5	5	223	11	0.08
130424	17:14:41.79	39° 26.60'	111° 12.52'	1.5*	1.4	6	120	16	0.14
130424	17:30:32.99	39° 23.14'	111° 13.33'	7.2	1.1	5	220	10	0.02
130424	18:49:22.50	41° 51.43'	112° 19.91'	0.9	0.9	11	106	8	0.10
130424	19:03:53.38	39° 24.20'	111° 12.98'	2.9*	1.3	6	226	12	0.08
130424	19:56:56.06	39° 24.88'	111° 12.85'	3.2*	1.5	6	190	13	0.09
130424	20:41:50.32	39° 24.97'	111° 12.89'	1.9*	1.4	9	147	13	0.10
130424	21:24:45.40	39° 25.98'	111° 13.49'	2.7*	1.2W	10	131	15	0.19
130424	22:38:54.08	39° 23.99'	111° 13.09'	5.3*	1.5	5	224	12	0.12
130425	00:36:14.97	39° 26.43'	111° 08.59'	5.2*	1.4	5	213	17	0.07
130425	01:21:22.05	37° 43.62'	113° 08.40'	3.4*	1.3	6	195	15	0.10
130425	02:05:43.67	39° 24.78'	111° 13.00'	5.2*	1.4	5	229	13	0.05
130425	02:10:30.58	39° 26.52'	111° 13.16'	1.6*	1.4	6	119	16	0.12
130425	03:15:56.80	39° 24.46'	111° 13.00'	3.5*	1.1	5	227	12	0.03
130425	05:17:27.10	39° 42.10'	110° 43.36'	-3.2	1.4W	12	87	4	0.09
130425	05:35:35.38	39° 26.66'	111° 12.41'	1.8*	1.5	6	121	16	0.15
130425	05:43:12.58	39° 26.45'	111° 13.57'	3.2*	1.3	10	72	16	0.16
130425	06:05:16.57	39° 26.04'	111° 14.17'	3.2*	1.5W	18	49	15	0.14
130425	07:07:59.25	39° 26.60'	111° 13.24'	1.3*	1.7	9	119	16	0.17
130425	12:01:23.55	39° 24.21'	111° 30.08'	1.0	1.4	6	263	10	0.10
130425	15:31:48.18	39° 25.12'	111° 13.03'	5.3*	1.6	5	230	14	0.07
130425	17:03:56.80	39° 26.47'	111° 12.83'	3.7*	1.6	6	117	16	0.16
130425	17:52:19.55	39° 26.57'	111° 12.35'	3.1*	1.5	7	115	16	0.10
130425	19:37:46.53	39° 24.09'	111° 13.02'	3.8*	1.2	5	226	12	0.08
130425	20:01:20.00	39° 25.00'	111° 12.93'	1.9*	1.4	8	148	13	0.07
130425	20:07:10.16	39° 26.52'	111° 12.76'	4.9*	1.0	6	120	16	0.11
130425	21:12:43.58	39° 26.54'	111° 12.68'	1.7*	1.7W	13	116	16	0.14
130425	23:17:52.87	39° 26.64'	111° 13.01'	1.5*	0.9W	8	118	16	0.09
130425	23:54:44.39	39° 26.59'	111° 13.74'	1.5*	1.0	6	122	16	0.09
130426	00:52:56.99	39° 26.65'	111° 13.16'	1.3*	1.5	9	119	16	0.18
130426	01:27:41.78	39° 25.81'	111° 12.30'	1.9*	1.3W	11	150	15	0.14
130426	01:44:57.39	39° 23.23'	111° 13.85'	6.2	1.2	5	221	10	0.07
130426	02:02:05.77	39° 25.28'	111° 12.50'	3.3*	1.4	6	192	14	0.05
130426	02:38:53.29	39° 26.49'	111° 13.26'	1.7*	1.2W	9	84	16	0.08
130426	03:02:05.19	39° 24.95'	111° 12.88'	1.4*	1.4	6	191	13	0.10
130426	03:32:25.07	39° 26.38'	111° 13.58'	2.7*	1.0	8	120	16	0.14
130426	04:30:22.41	39° 26.60'	111° 12.63'	1.3*	1.1W	8	116	16	0.12
130426	06:47:02.11	41° 41.19'	109° 50.39'	-2.7*	2.3W	17	202	97	0.25
130426	08:21:56.07	39° 26.06'	111° 13.44'	1.3*	1.2W	9	119	15	0.20
130426	09:17:16.96	39° 26.59'	111° 13.09'	3.3*	0.8W	7	119	16	0.07
130426	10:31:14.74	39° 26.19'	111° 13.13'	1.7*	1.1W	10	118	16	0.17

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130426	11:49:41.98	41° 42.91'	112° 23.51'	6.5	0.7	12	90	7	0.10
130426	16:03:21.96	39° 26.58'	111° 13.50'	2.3*	1.4W	13	85	16	0.17
130426	17:04:53.47	36° 49.41'	113° 30.63'	11.3*	1.9W	15	146	32	0.19
130426	20:49:17.79	39° 32.09'	111° 21.52'	1.3*	1.4W	14	103	18	0.21
130426	22:45:16.09	39° 28.22'	111° 32.84'	5.1*	1.4W	10	81	17	0.18
130427	23:11:39.96	37° 12.49'	112° 40.77'	4.5*	1.6	9	81	22	0.09
130428	09:50:47.93	37° 41.33'	113° 10.16'	1.6	0.9	11	83	9	0.17
130428	11:51:06.53	39° 26.31'	111° 12.87'	-3.4*	1.3W	13	71	16	0.13
130428	20:00:28.24	39° 39.05'	111° 35.43'	6.8*	1.7W	15	62	25	0.10
130428	20:47:54.22	39° 39.25'	111° 35.23'	1.6*	2.0W	23	70	26	0.14
130428	21:17:02.35	39° 38.87'	111° 34.64'	1.6*	1.1W	12	79	26	0.10
130429	04:30:01.71	41° 18.79'	111° 43.52'	7.1*	0.5	17	105	24	0.10
130429	10:53:41.83	39° 26.26'	111° 13.52'	1.8*	1.2	8	119	16	0.16
130429	13:27:27.64	39° 26.59'	111° 13.02'	1.3*	2.2	8	118	16	0.16
130429	13:43:09.76	39° 26.42'	111° 13.03'	2.9*	1.1W	9	117	16	0.15
130429	15:21:23.58	39° 26.04'	111° 13.59'	3.7*	2.0W	27	37	15	0.16
130429	16:48:58.54	39° 26.81'	111° 12.54'	1.2*	1.2W	7	117	17	0.12
130429	17:59:47.32	39° 25.98'	111° 16.26'	8.6	0.9W	9	93	16	0.16
130429	18:00:42.12	39° 26.53'	111° 13.22'	3.0*	1.4	7	119	16	0.09
130429	20:22:10.18	39° 26.61'	111° 12.73'	1.6*	1.4	6	120	16	0.04
130429	21:38:23.38	38° 13.31'	112° 03.76'	10.8*	1.1	10	105	23	0.11
130429	21:54:09.90	39° 26.48'	111° 12.66'	3.3*	1.0W	7	116	16	0.06
130429	22:12:49.03	38° 12.70'	112° 03.44'	6.1*	0.9	7	172	35	0.10
130429	23:03:20.98	39° 26.54'	111° 14.69'	3.0*	1.1W	7	127	16	0.09
130429	23:22:26.68	39° 26.40'	111° 13.06'	1.5*	1.1W	7	118	16	0.14
130429	23:29:15.04	39° 29.49'	111° 03.79'	1.8*	1.1W	7	102	20	0.13
130430	01:14:38.23	39° 25.62'	111° 13.35'	2.5*	1.0W	7	152	15	0.09
130430	01:55:49.18	39° 23.96'	111° 13.29'	3.0*	0.9	5	224	11	0.09
130430	03:51:39.89	39° 26.14'	111° 13.13'	1.0*	1.1W	12	84	15	0.17
130430	05:25:05.07	39° 25.30'	111° 12.44'	2.3*	1.2	5	231	14	0.12
130430	12:03:49.45	40° 48.54'	111° 47.75'	7.4	1.0W	12	81	3	0.13
130430	12:25:48.62	40° 48.84'	111° 47.15'	7.9	1.2W	17	69	4	0.13
130430	13:29:27.11	40° 48.61'	111° 47.38'	6.4	1.1W	21	46	4	0.14
130430	14:07:39.28	39° 24.15'	111° 13.21'	1.8*	1.4	5	226	12	0.08
130430	17:33:26.60	39° 26.90'	111° 13.17'	3.0*	1.6	6	120	17	0.12
130430	18:55:21.05	39° 24.82'	111° 12.67'	4.0*	1.2	5	229	13	0.05
130430	19:11:54.28	39° 25.05'	111° 13.07'	1.7*	1.1W	7	149	13	0.10
130430	21:46:43.07	39° 26.55'	111° 13.02'	1.4*	1.6W	7	118	16	0.11
130430	22:50:06.61	39° 26.60'	111° 11.82'	3.0*	1.5	6	123	16	0.10
130501	01:29:12.86	39° 26.53'	111° 13.00'	3.2*	1.6	9	118	16	0.08
130501	04:03:11.20	42° 26.75'	111° 28.95'	6.0*	1.9W	14	136	47	0.15
130501	04:59:55.53	39° 26.60'	111° 12.28'	3.1*	1.6	5	115	16	0.05
130501	07:55:44.78	39° 26.02'	111° 12.94'	1.7*	1.3	9	116	15	0.09
130501	08:54:07.52	39° 26.11'	111° 13.19'	1.8*	1.1W	8	117	15	0.17
130501	15:43:49.92	39° 26.17'	111° 13.46'	1.9*	1.5	7	119	16	0.10

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2013

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130501	18:37:49.11	39° 26.71'	111° 12.74'	1.3*	1.2W	9	117	17	0.16
130501	19:56:33.45	39° 26.45'	111° 12.53'	1.9*	1.2	8	116	16	0.12
130501	20:49:27.44	39° 48.43'	110° 56.18'	2.1	1.2	5	213	10	0.22
130501	21:00:58.09	39° 26.52'	111° 12.90'	1.4*	1.4	7	117	16	0.17
130501	21:30:28.91	39° 25.44'	111° 12.54'	2.8*	1.4	5	232	14	0.09
130501	21:35:42.06	39° 25.03'	111° 12.65'	1.2*	1.4	5	229	13	0.07
130501	21:36:57.97	39° 25.11'	111° 12.82'	4.2*	1.6	5	230	14	0.07
130501	22:22:59.52	39° 23.88'	111° 13.08'	4.0*	1.5	5	224	11	0.06
130501	23:58:46.05	39° 26.11'	111° 12.03'	2.6*	1.1	6	113	15	0.17
130502	01:04:24.60	39° 26.52'	111° 12.08'	2.8*	1.4	7	114	16	0.12
130502	02:54:15.55	39° 32.26'	110° 21.14'	4.5	1.1	6	231	10	0.03
130502	03:11:23.45	39° 26.42'	111° 15.84'	5.2*	1.3W	6	210	17	0.05
130502	04:29:19.49	39° 26.33'	111° 12.62'	1.2*	1.3	6	153	16	0.09
130502	05:11:57.24	39° 25.41'	111° 12.95'	3.1*	1.1	6	231	14	0.04
130502	05:33:30.44	39° 26.56'	111° 12.27'	2.9*	1.3	7	115	16	0.12
130502	06:07:24.27	39° 25.88'	111° 13.63'	9.6	1.0W	7	153	15	0.11
130502	10:48:13.28	36° 58.01'	112° 54.45'	19.2	--	8	206	9	0.13
130502	12:40:04.07	38° 40.53'	112° 35.26'	-0.2*	2.1W	17	65	14	0.21
130502	14:05:44.12	39° 26.53'	111° 13.65'	2.4*	1.0W	10	121	16	0.11
130502	14:14:59.02	38° 48.15'	111° 32.00'	6.0*	0.8	6	107	34	0.07
130502	15:19:24.09	39° 24.29'	111° 12.82'	5.4*	1.4	5	226	12	0.05
130502	17:23:07.38	39° 24.73'	111° 12.98'	3.2*	1.4	5	229	13	0.10
130502	18:51:01.66	39° 25.32'	111° 12.70'	1.3*	1.5	6	148	14	0.08
130502	20:09:11.40	41° 38.62'	111° 47.24'	0.5*	1.2W	15	54	15	0.19
130502	20:17:44.00	39° 26.64'	111° 13.79'	1.7*	1.4W	11	99	16	0.16
130502	23:28:05.44	38° 35.53'	112° 14.12'	2.0	1.5W	9	87	10	0.16
130503	01:13:43.77	39° 27.02'	111° 05.18'	2.9*	1.0W	9	85	15	0.09
130503	02:31:21.07	39° 26.06'	111° 13.11'	2.3*	1.6	8	117	15	0.12
130503	03:58:18.92	39° 25.93'	111° 12.82'	4.1*	1.3W	11	151	15	0.10
130503	06:51:40.15	38° 59.69'	111° 20.72'	1.6*	1.6W	15	58	17	0.10
130503	07:07:51.21	39° 13.84'	111° 10.82'	27.7	0.9W	5	234	8	0.21
130503	09:24:06.14	39° 26.66'	111° 10.98'	2.5*	1.2W	7	155	16	0.08
130503	13:25:52.49	39° 26.67'	111° 12.74'	4.4*	1.6	8	83	16	0.14
130503	14:23:42.56	41° 16.00'	111° 43.18'	11.8*	0.4	11	83	28	0.10
130504	00:26:41.06	37° 55.55'	112° 26.80'	3.2*	1.2W	11	60	26	0.20
130504	01:29:31.09	37° 52.05'	112° 28.76'	6.0*	1.2	8	189	45	0.16
130504	08:13:39.49	38° 47.24'	111° 32.39'	16.3	1.4W	14	58	10	0.11
130504	09:48:25.26	37° 48.66'	113° 06.05'	9.1*	0.4	9	123	24	0.09
130504	15:14:58.44	37° 23.17'	112° 26.79'	1.6*	1.8W	9	111	14	0.14
130504	20:25:43.70	40° 29.82'	112° 11.82'	2.3	1.5W	28	64	5	0.29
130505	03:39:54.95	39° 26.49'	111° 13.76'	-0.7*	1.2W	19	48	16	0.19
130505	06:39:13.58	41° 24.34'	111° 41.03'	11.2	1.7W	30	68	16	0.14
130505	08:34:17.16	39° 26.56'	111° 12.34'	3.2*	1.5	6	115	16	0.07
130505	08:55:07.23	36° 50.31'	113° 43.18'	18.3*	2.3W	10	257	39	0.05
130505	15:40:32.94	42° 01.22'	112° 38.17'	7.7*	1.0	11	190	17	0.13

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130505	21:47:16.15	38° 53.99'	111° 57.53'	10.7	1.5W	10	90	14	0.14
130506	01:29:42.27	39° 43.06'	111° 15.39'	-3.2	1.3	7	118	10	0.19
130506	09:29:54.71	37° 31.47'	113° 17.83'	-0.7	0.6W	8	101	6	0.11
130506	09:56:49.59	37° 34.12'	113° 16.12'	1.6	0.6W	9	110	9	0.12
130506	09:58:37.37	37° 35.26'	113° 16.59'	4.7	0.3W	5	205	9	0.02
130506	10:07:28.85	37° 34.69'	113° 16.38'	4.1	0.6W	10	115	8	0.05
130506	10:25:37.85	37° 34.87'	113° 17.87'	9.8	0.9W	10	113	7	0.13
130506	10:28:33.80	37° 34.51'	113° 17.19'	7.0	1.4W	17	74	7	0.13
130506	10:32:07.97	37° 33.79'	113° 16.19'	1.7	0.4W	8	108	8	0.14
130506	10:42:28.29	37° 34.34'	113° 16.67'	4.4	0.7	11	111	8	0.11
130506	11:01:54.49	37° 31.70'	113° 16.56'	1.8	0.7W	8	91	8	0.32
130506	18:50:47.92	39° 26.49'	111° 13.34'	1.5*	1.3W	12	85	16	0.27
130507	05:44:35.63	37° 11.22'	112° 53.45'	20.3	2.0W	18	77	20	0.12
130507	06:24:56.30	39° 26.27'	111° 13.19'	0.0*	1.1W	14	84	16	0.13
130507	14:01:40.21	41° 52.51'	112° 36.41'	-2.2*	1.2	15	193	18	0.12
130507	15:55:15.55	39° 26.50'	111° 14.82'	1.1*	1.3W	12	127	16	0.12
130507	20:37:00.34	39° 26.56'	111° 13.31'	1.7*	1.3W	12	120	16	0.11
130507	20:52:01.23	39° 26.31'	111° 13.40'	2.1*	1.6W	15	62	16	0.14
130507	21:12:38.73	39° 42.63'	110° 36.77'	-2.8	1.0	7	109	3	0.03
130508	01:29:30.56	39° 26.50'	111° 12.92'	1.7*	1.6W	17	46	16	0.11
130508	05:53:08.74	37° 06.49'	112° 07.82'	21.6	1.3W	8	160	33	0.18
130508	08:29:18.77	37° 43.94'	112° 57.22'	4.0*	0.6	5	270	18	0.06
130508	09:38:22.82	39° 26.47'	111° 13.49'	1.0*	0.9W	7	120	16	0.15
130508	13:11:55.10	39° 26.54'	111° 13.15'	1.7*	1.1W	11	84	16	0.14
130508	13:22:49.59	39° 25.68'	111° 12.96'	-1.0*	1.2W	10	115	15	0.12
130508	23:49:55.48	39° 26.42'	111° 13.73'	-2.1*	1.3W	13	73	16	0.17
130508	23:49:56.00	39° 26.37'	111° 13.36'	1.0*	1.3W	13	71	16	0.17
130509	03:04:44.44	39° 26.51'	111° 13.98'	1.6*	1.1W	13	87	16	0.16
130509	05:12:45.03	39° 26.47'	111° 13.67'	1.5*	1.1W	10	121	16	0.12
130509	08:07:16.15	39° 26.47'	111° 13.63'	3.1*	0.8W	6	121	16	0.17
130509	09:34:59.85	39° 26.60'	111° 12.98'	1.8*	1.0W	7	118	16	0.13
130509	10:45:55.49	39° 26.33'	111° 13.42'	1.1*	1.7	6	119	16	0.12
130509	16:58:43.36	39° 26.41'	111° 13.43'	1.5*	1.6W	11	85	16	0.12
130509	17:47:31.65	39° 26.23'	111° 13.89'	0.4*	1.2W	9	122	16	0.10
130509	20:22:01.57	39° 26.24'	111° 13.62'	3.1*	1.4W	10	120	16	0.06
130509	20:49:27.91	39° 26.22'	111° 13.36'	1.7*	1.1W	10	71	16	0.13
130509	21:40:10.55	39° 44.83'	110° 54.08'	-3.4	1.4W	14	158	10	0.21
130509	22:44:52.33	39° 26.50'	111° 13.54'	4.4*	1.0W	6	120	16	0.15
130510	00:44:58.66	39° 26.53'	111° 13.43'	2.3*	1.2W	10	120	16	0.10
130510	06:14:06.47	39° 26.43'	111° 13.57'	0.9*	1.6W	18	63	16	0.14
130510	06:46:40.49	39° 26.53'	111° 13.50'	1.9*	1.4W	14	85	16	0.11
130510	09:52:31.14	38° 11.15'	110° 23.65'	6.0*	1.5W	17	138	41	0.10
130511	05:54:49.38	39° 26.37'	111° 13.87'	1.6*	1.1W	10	122	16	0.19
130512	23:51:10.08	38° 58.31'	111° 51.79'	9.7*	0.6	10	92	20	0.15
130513	00:27:16.97	39° 26.50'	111° 12.90'	4.6*	1.3	7	199	16	0.14

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130513	02:49:00.90	39° 26.31'	111° 13.20'	1.6*	0.9W	9	118	16	0.16
130513	08:17:05.06	37° 06.01'	112° 07.53'	17.0	2.2W	19	106	33	0.19
130513	16:46:23.26	41° 51.62'	112° 20.04'	3.2	1.0	13	108	8	0.13
130513	18:15:16.98	39° 26.49'	111° 13.63'	1.5*	1.2W	8	121	16	0.13
130513	20:43:29.26	39° 25.07'	111° 04.19'	-1.0*	1.8W	22	45	12	0.13
130514	00:02:04.38	39° 26.21'	111° 12.99'	2.1*	1.4W	13	96	16	0.12
130514	01:56:40.61	39° 26.11'	111° 13.14'	1.7*	1.2W	9	117	15	0.18
130514	02:16:26.19	38° 06.57'	112° 16.31'	-1.8*	0.3	9	124	11	0.14
130514	02:33:31.75	39° 26.54'	111° 13.12'	2.2*	1.3W	12	119	16	0.13
130514	07:49:50.03	37° 05.71'	112° 07.01'	15.3*	2.5W	20	106	34	0.22
130514	08:15:28.78	37° 06.83'	112° 09.40'	20.0	1.8W	11	171	31	0.11
130514	09:00:26.24	37° 05.98'	112° 08.79'	19.5	1.7W	12	172	31	0.15
130514	09:09:09.45	37° 06.02'	112° 08.62'	20.9	1.1	9	160	32	0.15
130514	09:40:48.48	39° 37.61'	111° 09.94'	1.7	1.1	6	160	4	0.10
130514	10:28:31.40	40° 40.90'	110° 55.22'	-0.7*	0.7	9	155	21	0.10
130514	14:15:42.24	38° 16.88'	112° 21.66'	5.9*	0.4	8	108	30	0.26
130515	03:12:06.82	39° 25.22'	111° 13.14'	6.7*	1.3	8	81	14	0.20
130515	06:22:25.12	39° 26.34'	111° 13.54'	3.3*	1.6W	22	61	16	0.17
130515	07:11:45.89	39° 26.47'	111° 14.18'	1.9*	1.2W	13	124	16	0.15
130515	08:51:22.43	39° 26.44'	111° 13.27'	2.0*	1.6W	21	61	16	0.14
130515	09:15:23.54	39° 29.84'	112° 01.74'	7.5*	2.3W	30	60	18	0.22
130515	09:43:45.25	39° 26.40'	111° 14.07'	1.8*	1.3W	17	73	16	0.12
130515	21:06:31.21	39° 26.22'	111° 13.82'	3.4*	1.2W	12	99	16	0.16
130515	21:42:35.55	39° 26.74'	111° 12.54'	1.8*	1.1W	7	117	17	0.15
130516	01:22:23.80	37° 19.38'	113° 47.91'	5.8*	0.6	7	131	16	0.07
130516	06:21:18.11	39° 26.63'	111° 13.19'	1.4*	1.2W	14	119	16	0.28
130516	07:30:00.05	39° 26.57'	111° 13.16'	2.6*	1.2W	16	84	16	0.12
130516	20:46:56.74	39° 25.82'	111° 12.92'	2.3*	1.2W	6	151	15	0.07
130516	23:04:18.74	39° 26.35'	111° 13.21'	2.2*	1.0W	7	118	16	0.12
130516	23:34:40.06	39° 31.60'	111° 24.92'	1.2*	1.8W	17	73	22	0.19
130517	00:59:17.35	39° 24.00'	111° 12.17'	5.7*	1.6	9	109	13	0.24
130517	09:05:02.83	41° 18.15'	111° 30.80'	16.5	0.9W	15	119	18	0.06
130518	11:39:16.64	39° 26.30'	111° 13.53'	1.7*	1.6	8	119	16	0.15
130518	17:07:00.59	39° 26.34'	111° 12.88'	2.2*	1.3	8	117	16	0.12
130518	19:27:00.41	39° 18.03'	111° 56.42'	3.1*	1.4W	7	114	22	0.12
130519	08:53:37.18	39° 26.47'	111° 13.12'	1.5*	1.6W	18	84	16	0.14
130519	13:26:48.34	37° 49.51'	113° 00.00'	1.1*	1.9W	15	62	27	0.15
130519	16:12:12.51	39° 14.11'	110° 25.12'	15.0	1.6W	21	115	17	0.12
130520	18:30:55.40	38° 12.71'	112° 18.37'	3.6*	1.3W	6	156	22	0.05
130521	09:37:12.24	36° 49.58'	112° 48.84'	24.0	1.4W	7	246	21	0.04
130521	17:18:39.20	41° 52.95'	112° 36.67'	5.2*	2.0W	25	143	18	0.13
130522	05:34:12.31	38° 12.45'	112° 18.31'	1.8*	1.0W	6	156	21	0.03
130522	14:43:02.84	37° 10.32'	113° 24.63'	3.6*	2.0W	19	128	23	0.07
130522	16:57:42.40	40° 26.53'	113° 32.68'	4.1*	1.7	12	115	68	0.14
130522	17:20:25.30	40° 26.58'	113° 31.44'	4.7*	1.5	10	113	66	0.15

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130523	07:08:01.10	39° 26.26'	111° 13.31'	1.8*	1.8	6	118	16	0.28
130523	07:55:55.12	39° 26.51'	111° 13.22'	1.7*	1.5W	14	84	16	0.12
130523	09:47:48.99	39° 42.49'	110° 36.79'	-2.8	1.6	8	80	3	0.09
130523	11:02:29.09	40° 18.19'	111° 21.29'	2.7*	2.4W	35	49	15	0.16
130523	12:49:18.50	41° 46.85'	111° 45.55'	3.3*	1.1W	10	111	25	0.13
130524	12:30:02.72	38° 41.04'	112° 34.90'	0.1*	0.1	7	149	14	0.11
130524	13:21:20.19	37° 47.02'	113° 16.66'	9.1	0.9	9	122	14	0.12
130524	13:59:37.12	39° 25.79'	111° 13.03'	1.4*	1.2W	12	151	15	0.07
130524	19:30:14.52	38° 28.41'	113° 03.69'	3.2*	1.2	8	86	19	0.22
130524	22:01:26.26	40° 28.93'	112° 10.10'	6.3	1.3W	7	174	7	0.13
130525	06:25:55.49	39° 26.48'	111° 13.04'	1.4*	1.5	9	84	16	0.15
130525	14:09:34.47	40° 24.64'	112° 28.02'	4.7*	1.4	11	148	22	0.12
130525	15:02:40.83	36° 50.18'	112° 20.43'	17.4	1.9W	9	118	30	0.08
130525	17:57:39.27	41° 52.81'	112° 37.52'	3.5*	1.1	7	199	17	0.23
130525	17:59:02.21	41° 53.32'	112° 24.55'	7.5	2.2W	21	167	8	0.18
130525	21:48:28.24	40° 26.88'	111° 57.73'	10.0	1.0	7	158	1	0.11
130526	06:56:23.59	39° 14.42'	110° 25.66'	13.9	0.7W	6	205	17	0.03
130526	09:19:42.81	37° 20.23'	113° 46.32'	1.9*	2.0W	13	62	16	0.19
130526	10:14:24.21	37° 13.14'	112° 02.97'	3.4*	1.5	13	163	34	0.16
130526	10:27:16.05	37° 13.84'	112° 04.81'	0.2*	1.9W	13	137	31	0.17
130526	12:34:59.72	39° 24.28'	111° 23.17'	21.0	1.1W	18	47	16	0.11
130527	19:54:08.15	41° 53.10'	112° 36.85'	0.5*	1.4W	17	146	18	0.17
130527	21:55:03.79	37° 52.49'	113° 01.76'	10.9*	1.6W	17	60	26	0.10
130528	13:32:02.33	36° 50.95'	111° 47.78'	6.0*	2.7W	13	168	64	0.21
130528	17:24:40.07	41° 36.09'	112° 15.03'	-0.9	1.8	6	149	1	0.08
130529	00:41:42.47	41° 51.03'	112° 19.66'	2.5	2.5W	26	100	9	0.18
130529	01:10:19.13	41° 51.07'	112° 18.68'	0.2	1.7W	14	94	9	0.16
130529	01:37:34.13	41° 51.37'	112° 18.80'	2.0	0.3	7	130	8	0.06
130529	02:46:15.86	39° 26.49'	111° 13.78'	1.4*	1.1W	11	86	16	0.16
130529	05:15:16.30	41° 51.04'	112° 19.81'	0.0	1.7W	16	103	9	0.11
130529	07:10:11.94	39° 26.45'	111° 12.99'	1.5*	1.3W	8	117	16	0.13
130529	13:32:41.22	41° 50.79'	112° 19.35'	0.9	3.1W	37	76	9	0.19
130529	15:58:47.06	37° 47.08'	113° 01.21'	2.8*	0.8	10	133	22	0.15
130529	19:37:20.57	41° 51.75'	112° 19.07'	0.9	0.4	6	99	7	0.10
130529	20:44:08.22	41° 51.42'	112° 19.58'	-0.5	2.1W	12	102	8	0.09
130529	21:35:32.26	41° 51.16'	112° 19.39'	2.1	2.2W	18	102	9	0.11
130530	01:11:57.32	38° 43.38'	111° 24.00'	-0.7	1.3W	9	110	7	0.10
130530	01:30:28.38	39° 26.47'	111° 13.35'	1.5*	1.8W	12	120	16	0.16
130530	05:38:38.74	41° 51.20'	112° 19.47'	0.1	2.0W	13	102	8	0.12
130530	13:45:07.94	41° 51.08'	112° 19.69'	0.2	0.9	7	126	9	0.06
130530	19:38:41.86	37° 51.75'	112° 54.11'	3.6*	1.6W	11	98	28	0.22
130530	19:50:09.75	38° 57.86'	112° 54.82'	6.0*	1.2	6	95	42	0.05
130530	21:31:53.64	41° 51.31'	112° 19.61'	0.8	1.2	10	103	8	0.07
130530	23:00:03.75	41° 51.57'	112° 19.81'	0.3	0.9	7	106	8	0.02
130531	00:04:58.26	40° 37.01'	111° 35.15'	1.0	0.7W	11	133	5	0.17

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2013

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130531	00:08:57.25	41° 51.37'	112° 19.39'	0.2	1.5W	10	102	8	0.10
130531	01:36:23.76	41° 51.05'	112° 19.69'	0.0	2.0W	17	102	9	0.13
130531	02:12:06.42	41° 51.33'	112° 19.61'	0.5	0.4	6	126	8	0.07
130531	03:58:40.19	39° 26.54'	111° 13.30'	0.3*	1.5W	15	57	16	0.16
130531	08:38:32.92	39° 26.56'	111° 13.35'	1.8*	0.9W	8	72	16	0.13
130531	10:13:52.86	41° 51.43'	112° 19.69'	0.3	0.7	8	104	8	0.09
130531	12:37:13.87	39° 38.79'	111° 10.12'	1.0	0.9W	6	134	3	0.10
130531	17:56:32.77	39° 26.52'	111° 13.32'	1.2*	1.6W	8	120	16	0.09
130531	22:34:26.00	37° 10.44'	113° 24.82'	3.2*	2.8W	27	95	23	0.14
130531	22:41:46.63	37° 10.19'	113° 24.64'	4.6*	2.1W	19	107	23	0.14
130531	22:45:33.80	37° 10.31'	113° 24.78'	4.0*	2.9W	25	95	23	0.19
130531	23:09:04.94	37° 10.68'	113° 24.66'	6.0	2.5W	26	87	10	0.16
130531	23:34:48.37	41° 50.99'	112° 19.96'	0.3	0.7	7	125	9	0.08
130531	23:41:56.12	37° 10.49'	113° 24.49'	6.6	2.5W	24	89	10	0.12
130601	10:44:08.13	41° 51.09'	112° 19.37'	1.0	1.0	6	128	9	0.07
130601	15:33:19.10	41° 51.06'	112° 19.28'	0.1	1.1	7	128	9	0.10
130601	17:49:41.84	37° 13.89'	112° 04.23'	3.6*	1.7	12	138	32	0.21
130601	17:54:28.21	41° 51.59'	112° 19.95'	7.7	0.6	6	124	8	0.21
130601	18:29:11.57	41° 42.74'	112° 37.23'	0.4*	0.9	7	139	15	0.12
130601	22:34:35.74	41° 51.34'	112° 19.77'	0.2	0.8	9	104	8	0.06
130601	23:36:55.96	41° 36.91'	112° 52.94'	5.7*	0.8	7	196	20	0.11
130602	00:44:11.60	41° 51.09'	112° 19.43'	2.9	2.0W	16	101	9	0.13
130602	01:01:26.30	41° 51.33'	112° 20.00'	2.9	1.9W	26	77	8	0.16
130602	10:41:01.90	41° 51.70'	112° 20.20'	0.6	0.4	9	110	8	0.07
130602	15:04:01.08	41° 51.47'	112° 19.94'	0.8	0.7	10	107	8	0.08
130602	23:10:46.00	41° 51.31'	112° 19.93'	4.9	2.3W	18	101	8	0.12
130603	05:54:39.20	41° 51.11'	112° 19.67'	0.7	1.9W	12	103	9	0.08
130603	09:59:46.48	39° 23.45'	111° 05.20'	1.0	1.1W	10	82	9	0.16
130603	10:22:29.04	37° 03.89'	112° 58.47'	18.7	1.3	9	118	15	0.06
130603	13:12:16.94	39° 26.88'	111° 14.22'	1.8*	1.2W	7	125	17	0.22
130603	19:32:10.09	39° 26.58'	111° 14.17'	1.5*	1.2W	6	124	16	0.08
130603	21:45:14.77	39° 26.90'	111° 12.66'	3.3*	1.7	6	121	17	0.14
130603	23:07:24.35	39° 25.84'	111° 13.29'	5.5*	1.2W	7	153	15	0.11
130604	00:09:47.75	41° 51.21'	112° 19.91'	0.1	1.6W	16	77	8	0.12
130604	09:55:35.31	36° 57.00'	113° 01.95'	15.5	1.7W	16	156	20	0.14
130604	19:13:54.28	39° 26.59'	111° 12.46'	3.0*	1.5	5	121	16	0.08
130605	10:50:53.86	42° 15.56'	110° 07.55'	20.4*	1.9W	6	201	64	0.22
130605	12:30:55.19	40° 32.71'	111° 05.98'	1.0*	0.7	6	211	18	0.07
130606	05:32:45.23	39° 26.69'	111° 12.82'	1.5*	1.6	6	119	16	0.07
130606	07:29:21.95	41° 33.05'	112° 24.80'	3.6*	0.9W	13	94	14	0.09
130606	14:46:56.10	39° 26.66'	111° 12.62'	-0.6*	1.2W	6	120	16	0.06
130606	17:42:00.15	39° 26.30'	111° 14.14'	1.6*	1.3W	8	122	16	0.15
130607	00:15:24.28	39° 20.82'	111° 55.01'	13.1	1.7W	9	80	20	0.18
130607	01:11:11.08	42° 14.47'	111° 33.09'	6.0*	0.8	7	169	52	0.08
130607	15:53:08.71	41° 51.03'	112° 19.49'	1.1	0.9	7	127	9	0.08

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2013

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130607	17:04:28.52	39° 41.97'	110° 43.72'	-3.1	1.5W	8	147	4	0.04
130607	21:27:12.77	37° 41.35'	113° 10.18'	3.1*	1.0	8	93	13	0.09
130608	02:49:38.01	41° 33.27'	112° 24.69'	1.1*	0.3	5	158	13	0.08
130608	07:30:44.90	37° 10.48'	113° 24.74'	1.0	1.3W	13	127	10	0.13
130608	07:31:06.57	41° 51.34'	112° 19.55'	1.9	1.9W	15	102	8	0.10
130608	14:08:12.48	41° 51.61'	112° 20.25'	-0.1	1.8W	11	110	8	0.13
130608	15:19:34.70	41° 51.94'	112° 20.57'	1.0	0.5	7	116	7	0.04
130609	01:24:41.38	37° 32.51'	113° 23.48'	9.6	1.1W	7	185	3	0.04
130609	03:35:06.15	39° 57.30'	111° 35.48'	0.3	0.7	12	99	8	0.14
130609	08:07:34.04	38° 42.12'	112° 31.63'	1.0*	1.7W	14	64	12	0.21
130609	08:55:45.58	38° 41.63'	112° 32.23'	1.5*	0.8	10	130	12	0.24
130610	00:55:06.11	36° 58.83'	112° 18.55'	26.0	1.3W	7	145	20	0.08
130610	11:43:25.19	39° 09.40'	110° 52.45'	6.0*	1.0W	8	101	31	0.05
130610	13:33:19.93	37° 03.27'	112° 58.70'	18.5	1.2W	10	121	15	0.08
130610	18:41:51.74	39° 22.46'	111° 13.47'	10.3	1.6	6	137	9	0.05
130611	00:42:17.70	39° 26.35'	111° 13.02'	1.5*	1.5W	9	120	16	0.07
130611	13:03:27.87	38° 42.75'	112° 31.63'	7.3	2.2W	10	120	13	0.17
130612	00:48:00.16	39° 26.09'	111° 16.38'	13.2	1.7W	14	138	16	0.14
130612	09:14:04.90	39° 41.63'	111° 15.96'	1.5	1.9W	10	134	8	0.24
130612	09:20:30.61	41° 51.41'	112° 19.82'	2.7	0.7	6	125	8	0.04
130612	14:45:08.20	39° 26.54'	111° 13.34'	1.6*	1.1W	8	120	16	0.14
130612	20:57:00.96	39° 26.56'	111° 12.72'	1.6*	1.4W	7	120	16	0.06
130613	11:02:52.32	37° 06.95'	113° 50.71'	1.1	1.4W	6	197	8	0.10
130613	19:44:56.99	39° 26.47'	111° 13.58'	3.4*	1.6	6	120	16	0.05
130613	20:50:13.88	38° 35.84'	112° 29.49'	17.1	1.2	6	185	4	0.13
130614	02:07:21.59	39° 26.60'	111° 11.64'	1.5*	1.6	7	84	16	0.19
130614	13:58:28.27	37° 06.52'	113° 51.89'	9.6	2.6W	15	171	7	0.21
130614	23:28:07.71	38° 41.65'	112° 33.81'	0.2*	2.1W	8	151	14	0.07
130615	22:05:02.75	37° 10.55'	113° 24.69'	4.1*	0.8	7	127	24	0.04
130616	07:21:47.11	39° 45.26'	110° 54.98'	1.1*	1.4	8	169	11	0.28
130616	13:24:33.10	41° 51.41'	112° 19.82'	0.1	0.8	9	105	8	0.07
130616	16:22:14.25	38° 36.45'	112° 11.98'	2.0*	1.7W	6	102	11	0.14
130617	01:32:24.35	40° 55.89'	112° 43.25'	6.8*	1.5W	8	119	19	0.04
130617	04:29:52.40	40° 54.52'	111° 42.15'	6.2*	0.4	7	117	17	0.04
130617	05:44:29.24	37° 34.48'	113° 16.54'	0.3	1.8W	13	74	8	0.15
130617	21:38:58.65	37° 33.68'	113° 16.17'	1.5	0.7	9	85	8	0.08
130617	23:53:02.75	37° 34.90'	113° 16.71'	6.2	1.4W	9	115	8	0.04
130618	00:58:54.01	42° 00.52'	112° 29.59'	8.6	0.8	9	130	16	0.05
130618	02:03:26.21	42° 03.43'	112° 31.35'	9.1*	1.0	8	240	33	0.13
130618	06:20:44.18	41° 12.38'	110° 25.60'	6.0*	1.1	7	206	59	0.29
130618	08:56:08.65	38° 11.52'	112° 36.95'	6.0*	1.6W	14	49	35	0.13
130618	11:36:15.49	38° 55.45'	111° 22.29'	7.4*	1.0	8	104	17	0.14
130618	15:18:44.17	37° 32.39'	113° 15.44'	1.8	0.8W	8	100	9	0.28
130618	18:30:03.81	37° 34.27'	113° 16.41'	3.8	1.0W	8	111	8	0.03
130618	19:19:30.64	37° 34.69'	113° 16.43'	4.8	1.1W	7	115	8	0.01

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2013

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
130618	20:36:31.01	36° 47.53'	112° 54.48'	17.5	1.4W	10	168	26	0.06
130619	08:13:15.51	37° 34.76'	113° 16.57'	3.6	0.6	8	195	8	0.05
130619	08:15:12.26	37° 35.31'	113° 17.35'	8.1	0.8	8	209	8	0.06
130619	14:38:04.81	37° 34.06'	113° 16.23'	1.9	0.7	7	110	8	0.02
130619	16:35:11.27	37° 34.29'	113° 16.37'	2.8	1.1W	7	111	8	0.03
130619	19:29:31.95	38° 41.81'	112° 35.05'	0.2*	0.9	7	152	15	0.07
130620	12:43:28.33	37° 34.33'	113° 17.32'	6.0	1.7W	8	189	7	0.06
130620	15:13:08.39	37° 35.65'	113° 17.52'	9.2	0.8W	8	120	8	0.07
130621	03:09:24.49	41° 33.23'	112° 12.29'	-0.4	0.3	7	101	5	0.05
130621	03:24:37.52	37° 34.50'	113° 16.53'	4.0	0.3	8	185	8	0.04
130621	05:27:20.92	39° 26.50'	111° 12.95'	1.6*	1.1W	12	117	16	0.15
130622	09:46:45.10	39° 04.53'	111° 28.10'	2.4*	1.5W	9	54	19	0.09
130622	16:13:48.76	37° 07.54'	112° 43.38'	18.0	0.3	5	159	15	0.02
130623	03:49:59.12	42° 20.30'	111° 21.04'	5.9*	1.0	7	141	43	0.11
130623	10:36:34.14	39° 12.78'	110° 40.52'	9.0	0.9W	14	102	17	0.10
130623	14:47:35.11	38° 06.70'	112° 18.02'	-3.2*	1.8W	14	70	13	0.14
130623	16:43:49.58	41° 58.73'	112° 25.09'	9.6	1.7W	18	103	10	0.24
130624	16:58:40.26	41° 54.44'	110° 49.36'	5.8*	1.8W	5	252	22	0.09
130624	21:37:52.32	41° 58.14'	112° 24.61'	4.1	0.8	9	100	8	0.23
130625	08:35:20.03	37° 34.48'	113° 16.56'	3.5	1.6W	13	113	8	0.13
130625	13:27:39.51	38° 40.80'	112° 35.30'	1.4*	0.7	6	181	15	0.05
130625	18:26:24.49	38° 05.66'	112° 31.90'	3.6*	1.7W	7	95	31	0.21
130626	09:05:56.61	37° 02.25'	112° 52.69'	16.8	0.9W	7	124	6	0.02
130626	13:14:06.88	37° 34.92'	113° 17.10'	7.2	0.4	6	201	8	0.04
130626	17:34:41.43	39° 28.50'	110° 20.92'	3.6*	2.2W	8	204	21	0.14
130627	01:48:13.09	37° 34.23'	113° 16.93'	5.7	1.1	12	77	7	0.08
130627	07:43:22.74	37° 41.63'	112° 59.94'	1.7*	1.1	12	114	13	0.23
130628	00:45:43.48	39° 26.62'	111° 12.90'	2.9*	1.3	5	119	16	0.16
130628	16:42:32.58	41° 33.11'	108° 54.63'	6.9*	2.4W	5	269	145	0.04
130629	14:29:50.40	41° 41.60'	112° 23.69'	7.4	0.8	9	104	6	0.10
130630	04:13:20.76	37° 04.36'	112° 32.53'	16.9	1.3W	10	95	4	0.09

number of earthquakes = 571

* 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
June 30, 2013

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	Location	SEED	SEED	No. of	Network	Latitude	Longitude	Elevation	Sensor	Digitizer	Telemetry	Sponsor
Code		Station	Channel	Channels	Code			(meters)				
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
B205	Norris205bwy2008, Yellowstone, WY	B205	EH[ZEN]	3	PB	44° 42.81'	110° 40.70'	2296	IESE-S2	Q330	Digital	PBO
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
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° 35.55'	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	BYP	EN[ZEN]	3	UU	40° 46.26'	111° 53.23'	1323	Applied Mems	ANSS-130	Digital	ANSS
	Salt Lake City, UT											
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	CFS	EN[ZEN]	3	UU	40° 33.96'	112° 05.61'	1654	EpiSensor	K2	Digital	ANSS
	Copperton, UT											
CHS	Copper Hills High School,	CHS	EN[ZEN]	3	UU	40° 35.68'	112° 01.03'	1460	Applied Mems	ANSS-130	Digital	ANSS
	West Jordan, UT											
COM	Craters of the Moon, ID	COMI	EHZ	1	IE	43° 27.72'	113° 35.64'	1890	*	*	Digital	INL
COY	Coyote Canyon,	COY	EN[ZEN]	3	UU	40° 39.56'	112° 14.34'	1572	Applied Mems	ANSS-130	Digital	ANSS
	Tooele Valley, UT											
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	*	*	Digital	USGS
			EH[ZEN]	3	UU				S13	PSN	Analog	Utah, 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					EpiSensor	Basalt	Digital	
			EN[ZEN]	3								
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
GBI	Big Grassy Butte, ID	GBI	EHZ	1	IE	43° 59.22'	112° 03.78'	1541	*	*	Digital	INL
GCN	Grand Canyon, AZ	GCN	EHZ	1	AR	36° 02.64'	112° 07.68'	2294	*	*	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
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					Episensor	Basalt	Digital	
			EN[ZEN]	3								
HVVU	Hansel Valley, UT	HVVU	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
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	Location	SEED	SEED	No. of	Network	Latitude	Longitude	Elevation	Sensor	Digitizer	Telemetry	Sponsor
Code		Station	Channel	Channels	Code			(meters)				
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	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
MGU	Meadow Brook Golf Course Salt Lake City, UT	MGU	EHZ	1	UU	40° 40.89'	111° 55.09'	1291	Ranger	PSN	Analog	USGS
MHD	Mile High Drive, UT	MHD	EHZ	1	UU	40° 39.64'	111° 48.05'	1597	Ranger	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
MOMZ	Monida, MT	MOMT	EHZ	1	MB	44° 35.60'	112° 23.66'	2220	*	*	Analog	MBMT
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
MTLO	Mt. Logan, AZ	MTL	EHZ	1	AR	36° 21.18'	113° 11.94'	2418	*	*	Analog	NAU
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	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			EN[ZEN]	3								
OCP	Orem City Park, Orem, UT	OCP	EN[ZEN]	3	UU	40° 17.87'	111° 41.44'	1464	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			

UURSN 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	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			EN[ZEN]	3						EpiSensor		
QLMZ	Earthquake Lake, MT	QLMT	EHZ	1	MB	44° 49.84'	111° 25.80'	2064	*	*	Analog	MBMT
RBUZ	Red Butte Canyon, UT	RBU	EHZ	1	UU	40° 46.85'	111° 48.50'	1676	L4C	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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			
RRI2	Red Ridge, ID	RRI2	BH[ZEN]	3	IW	43° 20.84'	111° 19.20'	2547	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					EpiSensor	Basalt	Digital	
			EN[ZEN]	3								
SAIU	South Antelope Island, UT	SAIU	EHZ	1	UU	40° 51.29'	112° 10.89'	1384	L4C	PSN	Analog	USGS
			EHZ	1					EpiSensor	Basalt	Digital	
			EN[ZEN]	3								
SCC	Salt Lake Community College	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
SNUT	Stansbury North, UT	SNUT	EHZ	1	UU	40° 53.10'	112° 30.52'	1652	18300	PSN	Analog	USGS
			EHZ	1					EpiSensor	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			

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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
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			
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
V15	Pinto Mesa, Paradox Basin, CO	PV15	HH[ZEN]	3	RE	38° 20.51'	108° 28.66'	2280	*	*	Digital	USBR

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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					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	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								
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
YDC	Denny Creek, MT	YDC	EHZ	1	WY	44° 42.51'	111° 14.60'	2025	L4C	PSN	Analog	USGS

UURSN	Location	SEED	SEED	No. of	Network	Latitude	Longitude	Elevation	Sensor	Digitizer	Telemetry	Sponsor
Code		Station	Channel	Channels	Code			(meters)				
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			
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	ANSS-130	Analog	USGS
			HH[ZEN]	3					40T			
			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			
			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			
			EH[ZEN]	3					S13			
YJ CZ	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			
			EHZ	1					L4C			
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			
			EHZ	1					L4C			
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			

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

* Indicates station operated by another agency and recorded as part of University of Utah regional seismic network
Network Statistics: 811 data channels from 259 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
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
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)

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

NETWORK CHANGES DURING APRIL 1-JUNE 30, 2013

May 15	Station RIV EN[ZEN] removed
May 24	Station OF2 EN[ZEN] removed
June 4	Station GMV EN[ZEN] removed