

EARTHQUAKE ACTIVITY IN THE UTAH REGION

Preliminary Epicenters

April 1 – June 30, 2011

Prepared by the University of Utah Seismograph Stations and funded by
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Foreword and Data Explanation

This report contains an epicenter map (Figure 1) and listings of earthquakes (Tables 1 and 2) detected and located in the Utah region (lat. 36° 45' – 42° 30' N, long. 108° 45' – 114° 15' W). The computer program HYPOINVERSE (F. W. Klein, 1978, U.S. Geological Survey Open-File Report 78-694) 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 in north-central Utah, above magnitude 2.0 in central and southwestern Utah, and above magnitude 3.0 in southeastern Utah and the eastern Uinta Basin. *These data are preliminary—both the locations and magnitudes 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.
- "*" 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 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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During the three-month period April 1 through June 30, 2011, the University of Utah Seismograph Stations (UUSS) located 312 earthquakes within the Utah region (Figure 1). The total includes one earthquake in the magnitude 3 range and 34 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 2011 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>.

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 2011 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://pasadena.wr.usgs.gov/shake/imw>. We urge anyone who feels an earthquake to report their observations on this interactive Web site; felt information is available by zip code on the CIIM site or can be obtained from UUSS directly.

Earthquakes of Magnitude 3.0 or Larger

M_L 3.4 June 22 21:14 MDT 24 mi ENE of Fredonia, AZ

Other Notable Seismicity

During the report period, there were four notable spatial cluster of natural earthquake activity (labeled A-D in Figure 1). 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 30 earthquakes ($0.7 \leq M \leq 2.6$) occurred about five miles SSW of Santaquin, UT. Twelve of these events, including a magnitude 2.6 shock, occurred between June 1 and June 16.
- B. A cluster of 11 earthquakes ($0.4 \leq M \leq 2.4$) occurred about four miles NNW of Circleville, UT. Five of these events, including a magnitude 2.4 shock, occurred between April 7 and April 16.
- C. A cluster of 13 earthquakes ($1.0 \leq M \leq 2.2$) occurred about nine miles NW of Sunnit, UT. Seven of these events, including a magnitude 2.2 shock, occurred on May 8.
- D. A cluster of 10 earthquakes ($1.5 \leq M \leq 2.7$) occurred about five miles W of Enoch, UT. Eight of these events, including a magnitude 2.7 shock, occurred between April 9 and April 15.

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 124 located shocks ($0.0 \leq M \leq 2.8$) that occurred throughout the report period.

Seismicity of the Utah Region April 1, 2011 - June 30, 2011

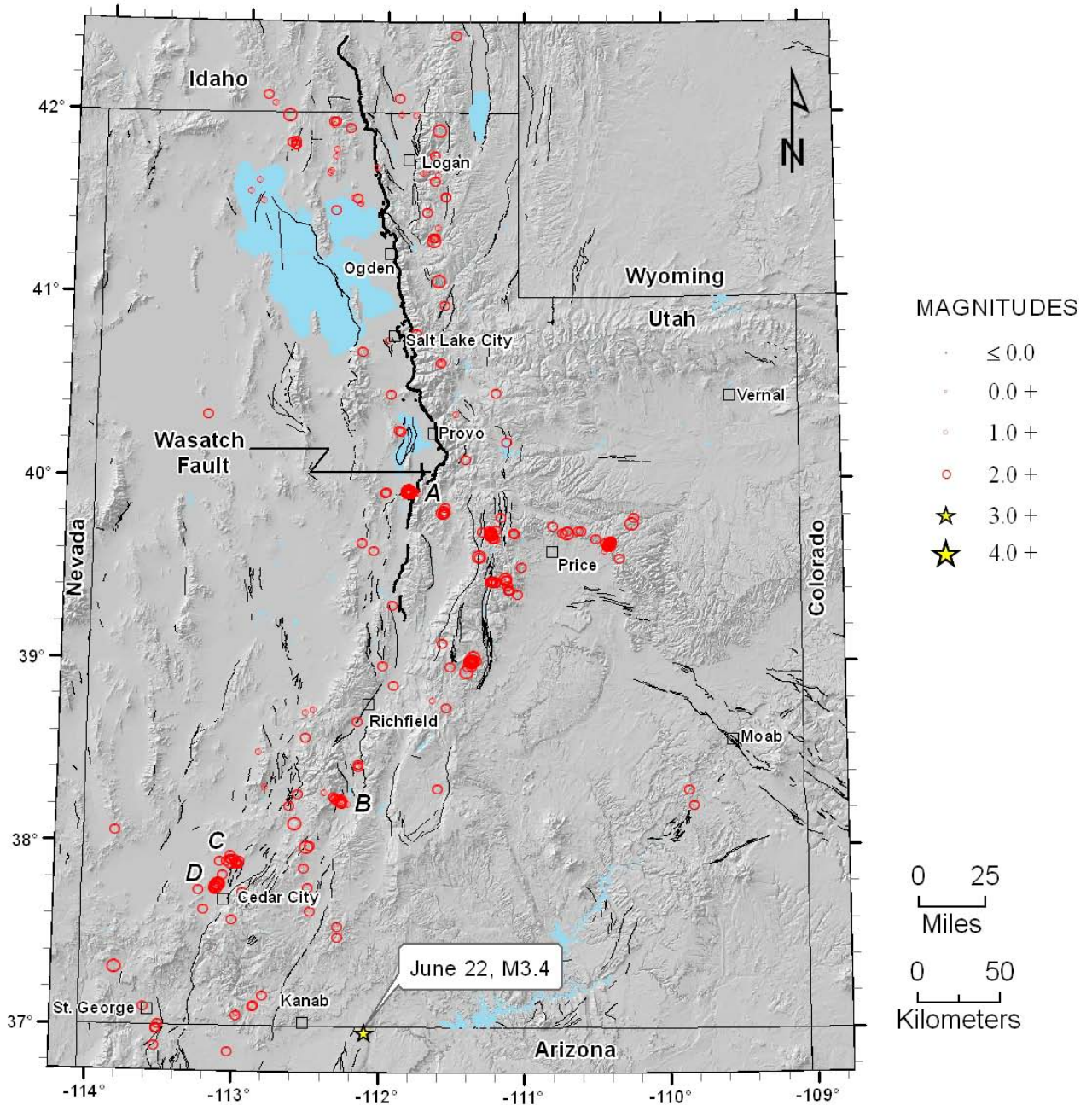


Figure 1. Earthquake epicenters, located by the University of Utah Seismograph Stations, superposed on a map of Quaternary (geologically young) faults compiled by the Utah Geological Survey. The Wasatch fault is shown in bold. Earthquakes of magnitude 3.0 and larger are labeled by local date and size.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

Table 1

**EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION
January 1, 2011 to June 30, 2011**

Date	Time†	Felt Information‡	Latitude	Longitude	Magnitude§
January 03	05:06 MST 12:06 UTC	Utah. <i>CIIM</i> . Felt (IV) at Kingston, Joseph, Panguitch, and Modena (?), UT, (III) at Marysvale, Beaver, Sevier, and Beryl (?), UT, and (II) at Greenville, Antimony, Monroe, Torrey, Loa, Parowan, Richfield, Cedar City, Milford, Kanab, Saint George, Saratoga Springs, Draper, Tooele, Sandy, Salt Lake City, Centerville, and Garden City (?), UT, Page, Flagstaff, AZ, Mesquite, Henderson, Las Vegas, NV, Eagle (?), ID and National City (?), CA.	38° 14.84'	112° 20.39'	M _L 4.6
January 03	13:23 MST 20:23 UTC	Utah. <i>CIIM</i> . Felt (IV) at Beaver, UT, (III) at Monroe and Teasdale, UT and (II) at Nephi, UT.	38° 14.27'	112° 20.29'	M _L 3.2
January 05 January 06	20:18 MST 03:18 UTC	Utah. <i>CIIM</i> . Felt (II) at Salt Lake City (?), UT.	38° 15.67'	112° 19.99'	M _L 3.1
January 06	15:31 MST 22:31 UTC	Utah. <i>CIIM</i> . Felt (II) at Beaver (?), AZ.	38° 15.73'	112° 20.03'	M _L 3.5
January 07	15:51 MST 22:51 UTC	Utah. <i>CIIM</i> . Felt (II) at Beaver, UT.	38° 15.42'	112° 19.83'	M _L 3.3
January 12	01:46 MST 08:46 UTC	Utah. <i>CIIM</i> . Felt (II) at Marysvale and Cedar City, UT.	38° 14.31'	112° 20.43'	M _L 3.6
January 20	14:59 MST 21:59 UTC	Utah. <i>CIIM</i> . Felt (III) at Centerfield and Saratoga Springs (?), UT and (II) at Gunnison, South Jordan, La Verkin, Saint George, UT and Lakeside (?), AZ	37° 46.58'	111° 54.57'	M _L 3.3

January 25 January 26	22:10 MST 05:10 UTC	Idaho. <i>CIIM</i> . Felt (III) at Thatcher, Grace, Paris and Preston, ID and Salt Lake City (?), UT and (II) at Bern, Montpelier, Soda Springs, Lava Hot Springs, Downey, Bancroft, Pocatello, Ellis (?), Boise (?), ID and Torrington (?), WY.	42° 25.44'	111° 29.96'	M _L 3.7
February 11 February 12	19:38 MST 02:38 UTC	Utah. <i>CIIM</i> . Felt (III) at Lehi and Saratoga Springs (?), UT and (II) at Eagle Mountain, Draper, Magna, Pleasant Grove, Salt Lake City, UT.	40° 22.89'	111° 55.24'	M _L 2.4
February 13	02:25 MST 09:25 UTC	Utah. <i>CIIM</i> . Felt (III) at Saratoga Springs and Midvale, UT and (II) at Eagle Mountain, Herriman, South Jordan, Orem, West Jordan, Springville, UT and Phoenix (?), AZ.	40° 23.00'	111° 55.15'	M _L 2.7
February 13 February 14	18:09 MST 01:09 UTC	Utah. <i>CIIM</i> . Felt (III) at Draper and Saratoga Springs, UT and (II) at Lehi, Riverton, Eagle Mountain, Herriman, Pleasant Grove, South Jordan, Salt Lake City, UT and Phoenix (?), AZ.	40° 23.10'	111° 55.44'	M _L 2.8
April 11 April 12	21:34 MDT 03:34 UTC	Utah. <i>CIIM</i> . Felt (II) at Cedar City, UT.	37° 46.58'	113° 06.74'	M _L 2.2
April 12	00:11 MDT 06:11 UTC	Utah. <i>CIIM</i> . Felt (III) at Cedar City, UT.	37° 46.34'	113° 06.96'	M _L 2.7
April 13	04:17 MDT 10:17 UTC	Utah. <i>CIIM</i> . Felt (II) at Cedar City, UT.	37° 45.15'	113° 07.88'	M _L 2.7

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

‡ *CIIM* indicates the availability of a Community Internet Intensity Map (<http://pasadena.wr.usgs.gov/shake/imw/archives.html>), 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's (1) *CIIM* reports and/or (2) PDE Monthly (or) Weekly Listing Files (http://neic.usgs.gov/neis/data_services/ftp_files.html). For a complete list of reported information see the *CIIM* website.

§ 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, 2011)

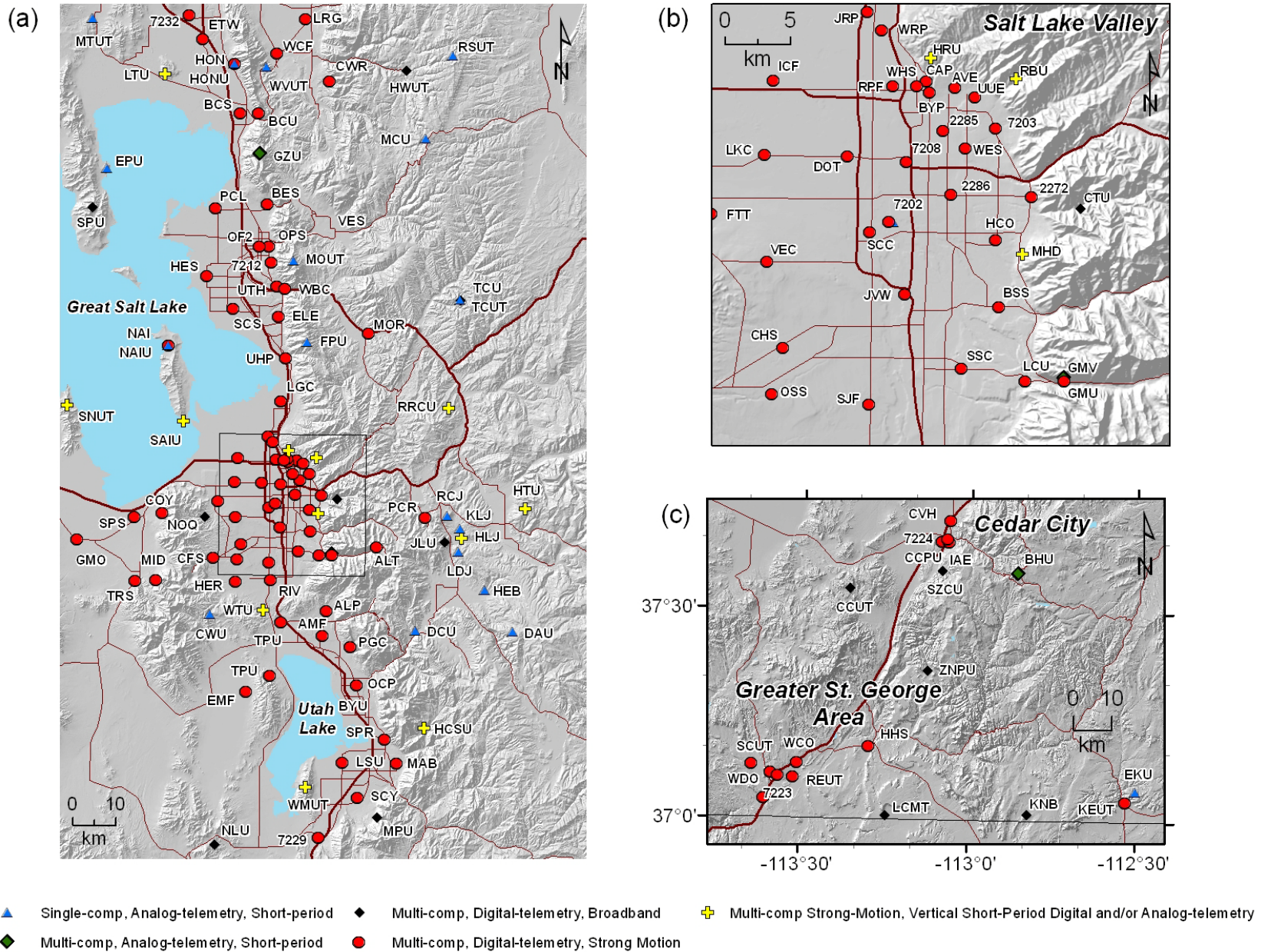


Figure 3

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2011

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
110402	02:02:48.10	39° 00.15'	111° 22.33'	9.5*	1.6W	10	74	25	0.09
110402	07:56:01.94	39° 25.84'	111° 12.02'	5.7*	1.2	12	142	15	0.21
110402	08:49:32.46	38° 58.46'	111° 22.48'	2.3*	1.1	7	97	22	0.20
110402	18:53:11.23	39° 00.21'	111° 20.34'	3.5*	1.8	8	98	26	0.06
110402	22:23:26.87	41° 04.98'	111° 37.13'	14.2	2.3W	30	66	18	0.20
110403	17:11:59.37	39° 00.35'	111° 21.98'	13.2	1.5	7	104	26	0.16
110403	17:45:26.23	39° 43.29'	111° 12.39'	1.0*	1.8	7	209	53	0.30
110403	19:05:15.11	41° 27.78'	112° 22.16'	1.1	1.1	22	94	9	0.16
110403	20:41:58.72	38° 29.94'	112° 51.06'	0.8	0.7	9	107	2	0.17
110405	06:23:39.37	39° 00.38'	111° 22.51'	11.6*	1.8W	12	74	26	0.11
110405	10:37:24.14	39° 00.46'	111° 20.96'	2.7*	1.4	8	113	26	0.21
110406	15:27:53.26	39° 42.60'	111° 14.08'	7.0*	1.7	9	137	46	0.14
110406	18:59:09.24	38° 43.96'	112° 28.49'	4.2*	0.8	10	121	14	0.18
110407	04:35:53.28	39° 00.66'	111° 21.60'	13.6	1.9	8	95	26	0.16
110407	05:10:54.78	39° 00.15'	111° 22.63'	6.6*	2.8W	19	74	25	0.18
110407	05:51:37.71	39° 00.37'	111° 22.49'	4.8*	2.1W	15	95	26	0.14
110407	06:40:47.39	39° 00.19'	111° 22.19'	11.8*	2.1	9	95	25	0.07
110407	06:43:38.15	38° 14.21'	112° 16.58'	0.8*	2.4W	22	55	32	0.17
110407	07:49:14.40	39° 00.33'	111° 21.96'	7.0*	1.8	6	118	26	0.11
110407	10:14:17.16	39° 01.51'	111° 21.52'	17.3	2.0	5	169	28	0.08
110407	13:03:27.92	39° 00.17'	111° 22.08'	11.8*	1.8	6	119	25	0.11
110407	15:35:25.86	39° 00.38'	111° 22.13'	11.1*	1.7	9	110	26	0.09
110408	00:12:01.45	39° 00.63'	111° 21.62'	5.0*	1.8W	6	111	26	0.03
110408	08:26:53.17	39° 42.28'	111° 14.51'	7.0*	1.4	7	145	48	0.28
110408	19:05:50.96	41° 54.93'	112° 16.29'	8.4	1.1	16	82	5	0.17
110408	22:13:23.53	41° 32.10'	112° 14.55'	1.8	0.7	11	102	6	0.15
110409	05:15:07.36	39° 00.18'	111° 22.53'	15.1	1.5	7	95	25	0.09
110409	14:26:01.24	37° 45.52'	113° 07.29'	2.4*	1.8	7	205	18	0.23
110410	01:32:44.42	38° 25.97'	112° 09.49'	0.4	1.1	11	106	9	0.24
110410	01:34:33.23	38° 25.62'	112° 09.55'	6.7	0.9	11	135	10	0.28
110410	04:54:44.47	38° 25.46'	112° 09.54'	3.2	1.3	15	74	10	0.24
110410	05:12:49.09	38° 44.89'	111° 33.11'	2.6*	1.4	6	107	12	0.15
110411	06:02:22.29	38° 13.08'	112° 16.29'	3.1*	1.2	7	100	21	0.18
110411	09:01:06.16	38° 14.08'	112° 16.66'	0.3*	1.6	10	84	32	0.16
110412	03:34:30.63	37° 46.58'	113° 06.74'	2.5*	2.2W	12	102	20	0.15
110412	06:11:58.12	37° 46.34'	113° 06.96'	1.1*	2.7W	17	86	20	0.24
110412	06:40:50.44	37° 45.10'	113° 08.19'	6.1*	1.6	13	92	18	0.30
110412	11:16:12.52	38° 12.16'	112° 38.16'	1.3*	1.8	13	126	33	0.26
110412	20:15:57.77	41° 57.04'	112° 23.24'	1.7	1.0	10	95	6	0.19
110413	09:56:59.24	37° 09.98'	112° 48.12'	1.1*	1.4	11	85	17	0.17
110413	10:17:36.15	37° 45.15'	113° 07.88'	1.2*	2.7W	16	107	18	0.39
110413	10:21:12.81	37° 46.12'	113° 07.28'	5.4*	2.4W	13	118	28	0.31
110413	11:31:33.97	37° 44.74'	113° 08.29'	9.0	1.6	13	97	17	0.31
110413	17:23:20.44	39° 00.17'	111° 22.86'	12.3*	1.5W	6	122	25	0.07
110413	18:00:36.66	41° 45.74'	112° 22.32'	12.3	0.3	7	99	9	0.19

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2011

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
110414	03:24:38.49	38° 14.74'	112° 19.04'	1.4*	1.5	16	63	26	0.22
110414	18:49:27.96	41° 56.15'	112° 23.29'	1.6	0.6	8	93	5	0.16
110415	03:16:34.19	38° 59.25'	111° 22.20'	5.3*	1.4	6	99	32	0.17
110415	05:33:51.88	38° 59.98'	111° 22.76'	13.1	1.8	8	101	25	0.16
110415	07:25:26.00	37° 58.82'	112° 30.59'	1.6*	2.0W	17	51	29	0.22
110415	08:12:06.96	37° 59.28'	112° 29.33'	3.9*	1.1	9	106	27	0.25
110415	15:58:02.19	37° 46.19'	113° 07.74'	3.2*	1.6	12	102	20	0.38
110416	05:41:23.32	38° 13.34'	112° 16.11'	2.2*	1.5	12	76	21	0.26
110416	08:18:37.84	42° 05.68'	112° 52.25'	6.1*	1.3	14	272	30	0.24
110416	08:19:32.05	42° 03.05'	112° 49.47'	3.9*	0.7	9	255	28	0.14
110416	13:42:07.16	40° 56.80'	111° 34.37'	12.4	1.3	13	104	13	0.14
110417	07:08:46.24	38° 58.31'	111° 59.53'	2.9	1.7	23	62	9	0.22
110417	08:45:39.73	41° 32.42'	111° 34.50'	9.8	1.2	15	99	7	0.20
110417	08:46:25.78	41° 32.49'	111° 34.40'	9.2	1.3	16	100	7	0.20
110418	09:09:00.36	39° 00.24'	111° 21.91'	1.5*	2.0	17	95	25	0.22
110420	19:52:08.00	37° 32.82'	112° 17.65'	0.7*	1.9	18	115	12	0.26
110420	22:28:20.39	39° 41.23'	111° 14.08'	1.7	1.7	12	134	6	0.20
110421	06:22:19.70	41° 39.89'	111° 37.80'	17.1	0.4	12	136	8	0.13
110421	17:38:04.37	38° 15.46'	112° 19.51'	3.9*	1.0	8	101	27	0.29
110421	19:53:23.21	38° 56.74'	111° 24.20'	15.1	2.0	6	136	19	0.23
110422	02:48:24.84	39° 40.29'	111° 13.47'	1.7	1.4	12	130	4	0.24
110422	17:04:46.16	40° 27.50'	111° 57.34'	0.3	1.6W	24	63	0	0.23
110423	00:16:54.62	39° 42.14'	111° 14.80'	13.5*	1.3	11	185	39	0.13
110423	01:56:49.65	39° 42.82'	110° 41.88'	2.4	1.3	9	130	10	0.18
110423	12:55:46.62	39° 42.92'	110° 37.53'	3.0*	1.7	11	86	14	0.15
110424	01:50:42.63	38° 14.41'	112° 16.54'	2.2*	0.5	11	77	24	0.22
110424	16:03:59.78	39° 27.17'	111° 08.20'	6.6*	--	6	98	16	0.06
110424	16:12:25.47	39° 27.11'	111° 07.97'	9.6	2.2W	24	41	16	0.20
110424	16:22:51.37	39° 27.06'	111° 07.59'	2.3*	1.3	14	68	16	0.13
110424	16:39:46.24	39° 26.85'	111° 07.98'	7.2*	1.6	21	50	15	0.17
110425	04:07:02.57	37° 05.84'	113° 36.61'	7.2*	1.7	11	176	28	0.18
110425	14:06:46.30	39° 55.61'	111° 58.96'	7.8	1.1	11	105	8	0.24
110425	14:53:54.18	39° 41.76'	111° 14.97'	2.2	1.4	8	184	7	0.26
110426	00:03:13.78	38° 14.18'	112° 18.90'	2.9*	0.7	10	104	25	0.17
110427	08:01:11.43	38° 13.26'	112° 13.56'	3.1*	0.5	9	89	20	0.08
110428	02:22:48.79	37° 51.81'	112° 31.50'	3.1*	1.4	14	56	36	0.14
110428	14:52:55.57	41° 22.51'	111° 37.78'	11.5	0.9	8	134	14	0.08
110428	22:17:49.10	39° 45.36'	110° 14.53'	7.1	2.0W	12	149	14	0.19
110429	13:11:40.08	38° 03.60'	113° 49.94'	1.9*	1.4	8	173	46	0.22
110430	02:16:49.64	41° 49.84'	112° 41.61'	10.9	1.1	11	152	9	0.18
110430	02:49:23.03	39° 05.93'	111° 34.58'	2.1*	1.5	6	196	11	0.17
110430	04:31:36.80	41° 49.36'	112° 39.93'	3.8*	0.9	7	184	10	0.23
110501	06:59:17.58	37° 38.12'	113° 12.63'	6.8	1.2	11	128	12	0.13
110501	11:57:58.46	39° 31.12'	111° 01.31'	11.6	1.4	11	77	21	0.24
110501	16:22:08.36	41° 50.26'	112° 39.80'	10.0	1.3	11	144	11	0.20

Table 2. Earthquakes in the Utah Region: April 1–June 30, 2011

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
110501	22:22:38.51	39° 00.16'	111° 22.99'	13.9	1.3	7	94	25	0.07
110502	13:48:18.09	37° 53.60'	112° 59.43'	3.0*	1.3	9	84	24	0.15
110502	14:29:01.93	37° 53.46'	112° 59.65'	3.0*	1.6	13	77	24	0.24
110502	20:38:02.31	37° 00.14'	113° 30.64'	0.1*	1.5	7	205	24	0.10
110503	05:35:04.36	37° 53.98'	112° 58.21'	4.1*	1.3	6	119	23	0.19
110503	17:11:06.83	37° 54.44'	113° 01.93'	4.5*	1.4	7	118	22	0.14
110503	23:04:17.85	37° 54.56'	113° 00.37'	9.6*	1.6	10	76	22	0.17
110503	23:09:42.38	37° 55.74'	113° 01.87'	3.9*	1.3	6	123	20	0.16
110504	04:46:05.28	38° 15.19'	112° 19.16'	2.3*	0.4	9	149	26	0.10
110504	08:20:13.58	41° 34.16'	112° 59.37'	5.2*	0.9	11	214	29	0.19
110504	17:51:54.06	39° 42.42'	111° 13.73'	1.8	1.7	11	112	8	0.28
110504	21:06:40.69	39° 39.00'	110° 24.25'	1.6	0.8	5	188	4	0.33
110505	05:31:56.55	39° 18.21'	111° 55.71'	2.9*	1.1	10	90	23	0.21
110505	06:43:36.30	39° 42.94'	111° 15.18'	18.4*	1.2	11	141	39	0.17
110505	12:13:45.57	41° 49.12'	112° 39.90'	5.7	1.2	18	127	10	0.28
110505	12:52:54.30	38° 16.94'	112° 23.42'	7.0*	0.6	5	110	32	0.10
110505	22:03:41.74	37° 34.57'	113° 01.16'	9.9	1.6	11	89	6	0.07
110505	22:38:12.87	40° 41.51'	112° 09.44'	11.1	1.2	19	81	6	0.16
110505	23:10:13.74	38° 18.31'	111° 36.32'	2.1*	1.2	9	122	30	0.19
110506	00:36:50.43	41° 27.11'	111° 42.21'	10.9	1.4	19	88	16	0.20
110506	03:08:17.53	39° 41.86'	111° 14.83'	12.4*	1.1	7	139	39	0.12
110506	06:42:17.82	39° 42.94'	110° 36.25'	0.2	1.0	5	127	3	0.16
110506	19:21:56.58	36° 58.66'	113° 31.06'	0.2*	1.5	7	212	25	0.19
110507	23:58:10.08	39° 34.48'	111° 19.21'	10.4	2.0W	22	60	12	0.11
110508	00:00:59.84	39° 34.39'	111° 19.12'	11.0	1.3	16	110	12	0.13
110508	09:27:21.86	37° 52.81'	112° 59.61'	3.9*	1.3	7	121	25	0.20
110508	09:31:50.47	37° 53.93'	113° 03.40'	13.2	1.1	7	183	24	0.06
110508	09:32:36.00	37° 54.57'	113° 01.58'	7.4*	1.0	8	176	22	0.19
110508	09:36:28.76	37° 53.72'	113° 06.17'	3.9*	1.2	7	191	25	0.21
110508	09:41:04.42	37° 53.50'	113° 01.69'	1.9*	2.2W	12	100	24	0.33
110508	11:32:43.82	39° 00.21'	111° 22.25'	0.6*	2.7W	23	76	20	0.23
110508	12:51:56.01	39° 00.07'	111° 22.02'	8.7*	2.0W	14	57	19	0.15
110508	13:13:12.59	37° 52.88'	112° 58.69'	3.2*	1.5	8	119	25	0.13
110508	14:47:20.69	37° 53.25'	112° 59.06'	4.0*	1.0	8	141	24	0.28
110509	16:30:26.85	39° 00.64'	111° 21.46'	11.3	1.4	8	115	19	0.16
110510	09:02:13.79	41° 18.98'	111° 38.88'	16.1	1.4	14	95	20	0.24
110510	09:02:37.52	41° 19.52'	111° 39.33'	13.4	0.8	9	99	20	0.13
110510	09:03:36.31	41° 19.00'	111° 39.80'	14.0	1.0	9	97	21	0.21
110510	10:57:10.51	39° 33.89'	110° 19.85'	3.9*	1.3	12	152	10	0.22
110510	14:48:14.23	39° 00.12'	111° 22.02'	12.1	1.5	10	78	19	0.09
110511	03:03:19.47	39° 41.42'	111° 14.80'	1.7	1.6	16	135	7	0.25
110512	13:58:53.21	37° 29.04'	112° 17.38'	13.7	1.4	11	152	5	0.17
110512	15:06:16.20	40° 21.36'	111° 29.36'	1.9	0.5	9	206	7	0.13
110512	20:22:12.00	39° 39.16'	110° 23.66'	1.6	0.5	6	134	3	0.26
110512	20:55:53.69	36° 53.00'	113° 31.95'	5.9*	1.6	7	233	29	0.20

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
110512	22:45:28.25	40° 20.25'	113° 15.54'	9.1*	1.4	7	185	41	0.24
110513	02:23:03.87	38° 43.10'	112° 31.94'	5.7*	0.9	6	154	14	0.14
110513	14:45:54.53	38° 59.82'	111° 22.20'	3.1*	1.7	8	79	19	0.16
110514	00:00:54.39	38° 47.45'	111° 38.68'	9.2*	0.9	6	124	19	0.03
110514	08:35:55.82	39° 42.08'	111° 14.41'	6.9*	1.1	8	185	38	0.11
110514	11:47:25.49	39° 26.40'	111° 13.54'	3.9*	1.2	6	121	16	0.15
110514	12:06:45.16	39° 26.14'	111° 12.32'	3.0*	1.2	5	122	15	0.18
110514	19:56:56.23	39° 42.14'	110° 43.82'	2.8*	1.5	8	92	13	0.22
110515	09:12:06.82	40° 47.49'	111° 46.64'	7.2	1.2W	24	67	3	0.20
110516	22:16:04.90	41° 59.10'	111° 47.32'	2.9*	0.8	9	100	15	0.18
110517	03:10:43.05	37° 43.71'	112° 56.88'	2.0*	1.3	11	88	17	0.23
110517	22:50:50.61	36° 59.00'	113° 31.21'	0.3*	1.5	7	210	25	0.26
110518	02:06:48.61	39° 42.22'	110° 42.07'	6.6	2.3W	17	67	10	0.25
110518	05:14:31.44	38° 16.24'	112° 34.44'	5.3*	1.5	9	141	36	0.18
110518	16:13:46.62	40° 15.38'	111° 53.06'	4.7	1.4	12	117	8	0.29
110520	16:24:38.49	39° 26.43'	111° 13.53'	5.2*	1.6	8	116	16	0.16
110521	08:45:37.01	39° 00.27'	111° 22.85'	17.5	1.6	5	122	25	0.01
110521	16:39:30.30	41° 42.22'	112° 04.10'	2.8	0.3	6	196	10	0.10
110521	16:40:07.47	38° 14.76'	112° 18.60'	5.2*	0.9	7	133	25	0.16
110522	00:25:21.16	42° 04.70'	111° 54.98'	1.4*	1.9W	15	104	12	0.26
110523	18:05:16.00	40° 28.18'	111° 12.27'	3.0*	1.1	9	236	12	0.17
110525	19:09:43.39	39° 38.79'	110° 24.30'	2.9*	1.1	8	130	14	0.20
110525	20:10:46.08	38° 52.24'	111° 55.29'	11.7	1.3	5	174	18	0.11
110525	20:49:36.75	36° 58.82'	113° 31.34'	5.0*	1.6	9	212	25	0.19
110525	23:35:04.39	39° 38.65'	112° 09.08'	0.1*	1.9W	10	114	33	0.12
110526	04:23:31.26	39° 40.33'	110° 29.84'	2.3	1.4	8	109	8	0.24
110526	08:22:24.39	39° 36.56'	110° 26.06'	3.2	0.4	6	119	8	0.79
110526	23:23:58.65	37° 49.39'	113° 05.11'	5.6*	1.5	18	69	25	0.19
110527	06:40:32.06	39° 39.15'	110° 23.57'	1.6	1.5	10	101	3	0.25
110527	14:14:43.89	37° 03.31'	112° 58.72'	15.1	1.2	8	151	15	0.14
110528	01:46:59.10	39° 26.49'	111° 13.68'	3.6*	1.4	7	122	16	0.13
110528	07:10:31.87	39° 41.47'	111° 13.86'	1.7	1.4	7	134	6	0.27
110528	10:03:55.48	39° 36.22'	112° 03.89'	3.1*	1.3	10	181	24	0.14
110528	11:36:15.43	39° 39.08'	110° 23.49'	1.6	1.7W	13	97	3	0.23
110528	16:38:22.26	37° 06.35'	112° 51.69'	16.4	1.8	11	92	11	0.23
110528	16:44:14.58	37° 06.60'	112° 51.53'	18.0	1.4	10	97	11	0.11
110529	11:21:31.00	39° 44.67'	110° 48.33'	2.2	1.6	8	103	8	0.21
110530	03:32:44.73	41° 41.79'	111° 41.81'	18.2	0.2	7	132	13	0.04
110530	22:00:39.25	39° 38.48'	110° 24.30'	0.3	1.9W	13	94	4	0.21
110531	11:04:08.84	37° 46.72'	113° 07.17'	2.7*	1.5	10	104	28	0.18
110601	01:36:04.69	39° 47.42'	111° 10.16'	10.8	1.2	7	255	17	0.07
110601	04:00:52.73	39° 39.18'	110° 23.85'	1.5	1.4	7	104	3	0.33
110601	04:19:24.22	38° 34.62'	112° 31.83'	5.4	1.4	7	155	8	0.17
110601	17:03:45.44	39° 55.64'	111° 49.36'	3.6	2.0W	14	72	5	0.16
110601	22:44:37.35	40° 15.83'	111° 53.58'	1.8	1.5	6	148	7	0.21

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
110602	00:35:40.05	39° 26.21'	111° 14.47'	5.0*	1.3	10	89	16	0.21
110602	03:42:15.95	41° 45.81'	111° 39.12'	14.0	1.0	7	142	10	0.12
110602	03:48:43.79	41° 45.09'	111° 39.35'	11.9	0.9	10	139	11	0.13
110602	09:24:42.42	39° 55.72'	111° 45.58'	8.1	0.6	5	186	5	0.09
110602	14:17:43.28	41° 40.43'	111° 44.32'	8.8	0.7	14	108	15	0.14
110602	14:26:01.56	38° 58.48'	111° 23.87'	8.3*	1.5	11	95	22	0.15
110602	18:08:22.00	39° 47.22'	110° 13.57'	3.7*	1.9W	18	226	18	0.27
110602	23:38:40.31	39° 26.54'	111° 13.50'	4.2*	1.4	7	122	16	0.22
110603	02:31:50.46	41° 47.88'	112° 21.98'	10.4	0.9	14	95	12	0.22
110603	05:53:35.41	39° 42.29'	111° 04.67'	2.5*	1.6	11	186	13	0.14
110603	15:56:37.24	39° 38.96'	110° 23.92'	1.6	1.3	10	98	3	0.29
110604	20:50:56.67	39° 23.53'	111° 06.88'	2.2	1.5	10	81	9	0.10
110604	21:33:14.75	39° 39.04'	110° 23.62'	1.6	1.7W	10	97	3	0.28
110604	23:09:52.52	39° 55.80'	111° 49.05'	1.6	1.4	11	121	5	0.21
110604	23:10:27.35	39° 56.03'	111° 49.10'	1.6	1.2	14	113	6	0.23
110605	07:46:06.15	39° 38.40'	110° 24.39'	0.6	0.6	5	196	4	0.34
110605	10:23:34.92	39° 39.07'	110° 23.77'	1.6	0.9	8	99	3	0.24
110605	21:18:33.24	39° 23.56'	111° 06.99'	2.0	1.7	13	92	9	0.17
110605	21:38:26.66	39° 39.18'	110° 23.94'	1.6	1.3	7	134	3	0.32
110606	01:03:14.88	39° 55.74'	111° 49.36'	6.9	2.6W	28	72	5	0.23
110606	05:04:30.38	39° 23.43'	111° 06.55'	1.4	1.6	13	86	9	0.21
110606	19:47:58.01	41° 40.18'	112° 24.86'	6.7	0.8	11	109	6	0.20
110607	00:48:28.84	39° 37.95'	110° 24.75'	0.1	1.6	5	203	5	0.32
110607	02:38:26.19	39° 56.66'	111° 49.34'	1.5	1.8	18	89	7	0.23
110607	05:19:42.63	39° 38.98'	110° 23.91'	1.6	1.5	6	98	3	0.31
110607	06:04:42.94	39° 55.86'	111° 49.08'	1.5	0.9	13	112	5	0.13
110607	06:44:49.32	37° 45.44'	112° 29.98'	19.0	1.0	9	115	36	0.21
110607	09:07:32.62	38° 12.90'	109° 49.55'	4.4*	1.7W	12	115	50	0.27
110607	10:32:28.79	38° 06.42'	112° 35.39'	1.1*	2.0W	17	80	36	0.29
110607	12:08:54.50	39° 56.21'	111° 49.33'	1.3	1.2	18	88	6	0.26
110607	12:54:43.91	39° 26.42'	111° 13.88'	3.2*	1.5	6	123	16	0.13
110607	16:11:44.85	41° 41.02'	112° 24.32'	6.8	0.8	21	77	5	0.20
110607	22:18:06.09	39° 39.31'	110° 24.02'	1.6	1.2	7	132	3	0.28
110608	02:26:26.83	39° 26.45'	111° 13.43'	3.3*	1.1	6	120	16	0.14
110608	02:48:29.97	41° 18.03'	111° 39.22'	8.6*	2.1W	35	96	22	0.21
110608	07:05:24.64	39° 56.12'	111° 49.48'	3.9	2.5W	52	55	6	0.21
110608	15:44:18.89	41° 37.35'	111° 39.25'	9.3	1.4	20	54	8	0.18
110608	17:03:01.66	37° 18.53'	113° 48.64'	1.4*	2.2W	11	172	20	0.21
110608	20:59:24.31	39° 37.71'	110° 24.99'	3.3*	1.1	6	117	15	0.18
110609	11:27:01.12	39° 39.39'	110° 23.96'	1.6	1.2	9	113	3	0.30
110609	16:49:01.43	39° 55.34'	111° 49.63'	0.2	1.1	6	142	5	0.23
110609	20:37:54.16	39° 37.78'	110° 24.54'	0.1	1.0	5	205	5	0.35
110609	23:00:58.93	36° 51.36'	113° 01.67'	9.4*	1.4	7	132	26	0.25
110609	23:01:28.74	39° 39.17'	110° 23.96'	1.5	0.9	6	105	3	0.31
110609	23:43:12.09	39° 56.30'	111° 49.42'	5.5	1.9W	28	68	6	0.19

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
110609	23:57:37.21	39° 39.41'	110° 23.68'	1.6	1.3	6	113	3	0.33
110610	08:55:45.52	39° 41.39'	111° 14.92'	1.7	1.5	11	135	7	0.32
110610	23:33:31.20	39° 55.25'	111° 47.74'	7.8	0.8	14	144	4	0.23
110612	11:17:54.84	39° 41.40'	111° 14.23'	1.6	1.6	9	217	6	0.29
110612	12:37:59.05	39° 38.45'	110° 24.22'	0.3	2.0W	14	94	4	0.25
110613	11:39:15.07	39° 38.87'	110° 23.50'	1.6	1.8W	11	91	3	0.24
110613	14:33:59.99	39° 38.79'	110° 24.41'	0.6	1.0	5	192	4	0.25
110614	03:05:14.67	39° 38.39'	110° 24.26'	2.2	1.6W	10	94	4	0.33
110614	04:54:42.95	39° 39.12'	110° 23.81'	1.7	0.3	5	185	3	0.33
110614	05:09:24.87	39° 42.45'	111° 18.10'	1.9*	1.5W	15	70	11	0.19
110614	05:35:31.10	39° 41.88'	111° 04.45'	2.9*	1.1	9	131	13	0.14
110614	06:47:18.70	41° 31.89'	112° 12.64'	6.5	1.0	17	75	7	0.15
110614	12:17:25.27	39° 55.81'	111° 49.59'	4.9	2.6W	44	54	6	0.23
110615	05:43:59.95	41° 37.57'	112° 55.57'	7.1*	0.7	16	210	21	0.14
110615	07:34:27.73	38° 17.94'	109° 51.59'	7.0*	1.7	9	150	52	0.31
110615	07:37:59.21	37° 44.38'	113° 15.12'	1.4*	1.3	17	83	17	0.27
110616	02:51:04.25	39° 38.49'	110° 23.94'	0.0	1.7W	14	93	4	0.18
110616	02:58:15.58	42° 25.33'	111° 30.05'	1.6*	1.6	16	116	41	0.22
110616	17:16:43.98	39° 25.96'	111° 13.84'	4.5*	1.4	12	87	15	0.18
110616	20:45:32.97	38° 18.45'	112° 48.25'	2.4*	0.6	8	150	24	0.09
110617	04:39:24.79	41° 30.45'	112° 11.26'	7.4	-1	8	108	11	0.10
110617	04:39:52.77	41° 30.26'	112° 11.56'	7.4	0.5	8	108	11	0.13
110617	17:05:34.36	41° 30.17'	112° 11.46'	6.6	0.1	8	109	11	0.12
110618	02:59:37.16	39° 38.98'	110° 23.68'	1.6	1.4	10	95	3	0.26
110618	05:57:39.62	39° 38.86'	110° 23.66'	1.6	1.6	11	91	3	0.26
110618	08:33:24.52	38° 58.17'	111° 31.42'	11.7	1.3	12	69	23	0.19
110618	11:29:55.03	39° 56.06'	111° 49.20'	5.1	1.6	22	70	6	0.20
110618	13:26:20.55	39° 55.53'	111° 48.72'	6.9	1.2	7	133	5	0.15
110618	14:13:46.06	39° 55.73'	111° 49.65'	5.9	2.5W	23	54	6	0.25
110618	17:45:27.30	39° 38.99'	110° 23.54'	1.6	1.8	11	95	3	0.23
110619	00:11:54.06	39° 40.69'	111° 13.50'	1.6	1.7	9	178	5	0.23
110619	05:49:08.55	39° 00.10'	111° 22.23'	12.1*	1.2	7	95	25	0.10
110619	08:10:38.51	39° 38.48'	110° 24.32'	0.0	1.7W	14	94	4	0.23
110619	11:12:10.66	39° 54.63'	111° 48.60'	6.8	0.9	11	107	3	0.24
110619	12:57:29.18	41° 58.91'	112° 42.94'	9.4*	2.1W	19	183	23	0.23
110619	16:43:30.68	39° 37.78'	110° 24.58'	0.1	0.5	5	205	5	0.34
110619	20:56:06.37	39° 38.57'	110° 24.32'	2.2	1.4W	9	93	4	0.34
110620	13:12:22.18	39° 22.01'	111° 02.96'	1.9	1.2	10	90	7	0.13
110620	21:28:32.86	40° 06.14'	111° 25.43'	4.8*	1.4	15	90	35	0.20
110620	22:56:58.21	39° 38.35'	110° 24.17'	0.2	1.7	10	95	4	0.25
110621	02:30:29.62	41° 56.98'	112° 22.69'	1.2*	1.8	23	189	28	0.26
110621	07:24:45.98	39° 26.25'	111° 14.34'	2.1*	1.4	11	125	16	0.19
110621	12:00:44.54	37° 04.35'	112° 58.04'	9.1	0.7	11	139	14	0.24
110621	17:52:22.73	39° 39.50'	110° 23.75'	1.6	0.0	5	179	3	0.37
110622	02:28:47.85	39° 38.52'	110° 24.22'	0.0	1.6	16	93	4	0.24

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
110622	02:38:05.33	39° 55.66'	111° 48.99'	5.2	1.5	19	72	5	0.18
110622	02:39:38.70	39° 55.72'	111° 49.41'	5.6	1.8W	25	54	5	0.20
110622	03:54:44.52	41° 30.76'	112° 53.52'	5.2*	0.4	9	188	31	0.23
110622	14:45:22.91	40° 12.13'	111° 07.91'	3.9*	1.4	16	122	26	0.19
110623	00:45:47.57	39° 38.99'	110° 24.09'	2.2	1.6	13	99	3	0.30
110623	03:14:02.42	36° 58.34'	112° 05.66'	6.6*	3.3W	19	110	38	0.42
110623	17:23:27.02	41° 59.35'	111° 53.69'	10.4	0.7	5	240	17	0.01
110624	05:55:10.26	39° 48.69'	111° 34.51'	3.2*	1.3	10	68	20	0.18
110624	06:42:53.70	40° 45.32'	111° 58.56'	2.4	0.7	10	117	9	0.18
110624	13:47:03.98	39° 55.45'	111° 48.87'	1.2	1.3	13	122	5	0.20
110624	16:50:45.88	39° 50.45'	111° 33.78'	1.4*	1.4	12	134	20	0.26
110624	16:54:15.68	39° 49.61'	111° 34.10'	1.4*	1.7	18	68	20	0.25
110624	17:34:59.34	39° 48.90'	111° 34.05'	1.4*	1.3	9	127	21	0.14
110624	19:39:21.82	39° 48.88'	111° 34.59'	2.8*	2.0W	20	68	20	0.19
110624	19:55:57.58	39° 48.64'	111° 34.45'	3.9*	1.3	9	154	21	0.19
110625	11:14:20.44	39° 55.71'	111° 48.64'	2.6	1.2	15	118	5	0.23
110625	11:17:25.83	39° 55.73'	111° 48.69'	8.1	1.0	6	165	5	0.11
110625	11:17:53.85	39° 55.59'	111° 48.49'	4.1	2.1W	22	57	5	0.21
110626	04:16:06.09	37° 37.68'	112° 28.67'	2.7*	1.1	13	85	25	0.24
110626	11:40:36.44	39° 48.54'	111° 34.54'	3.4*	1.0	13	90	20	0.13
110626	12:33:41.90	39° 55.37'	111° 48.97'	6.8	1.3	9	120	4	0.13
110626	12:58:57.26	41° 54.09'	111° 37.02'	5.1*	2.3W	20	182	17	0.21
110626	13:44:45.34	39° 55.01'	111° 48.77'	6.2	1.6	21	57	4	0.21
110626	21:09:00.35	39° 39.64'	110° 23.91'	0.1	1.6	8	123	3	0.16
110627	03:23:15.15	38° 39.94'	112° 10.22'	0.2*	1.7	12	88	17	0.16
110627	05:23:04.54	40° 37.93'	111° 35.79'	10.3	1.0	24	63	6	0.14
110627	05:48:25.76	40° 37.88'	111° 36.13'	9.3	0.4	11	88	13	0.17
110627	12:02:51.32	39° 55.03'	111° 59.44'	5.4	1.1	12	96	8	0.25
110627	15:26:49.78	39° 56.02'	111° 49.40'	0.7	1.2	10	126	6	0.12
110627	18:58:42.94	39° 40.44'	111° 12.48'	1.8	1.5	7	175	4	0.46
110628	02:00:30.55	41° 38.20'	111° 43.09'	8.5	-.01	5	210	13	0.10
110628	03:43:39.89	39° 39.40'	110° 24.77'	3.9	0.0	5	183	4	0.70
110628	03:54:51.03	39° 55.49'	111° 48.73'	3.5	1.3	20	88	5	0.23
110628	06:56:00.76	39° 39.68'	110° 24.53'	2.2	0.1	5	179	4	0.66
110628	15:58:14.80	39° 40.11'	110° 23.87'	0.0	0.7	5	171	3	0.22
110628	16:42:35.20	39° 55.97'	111° 49.20'	1.1	1.2	10	129	6	0.18
110628	18:59:52.35	39° 38.92'	110° 25.68'	3.8	1.0	6	145	6	0.76
110629	07:13:47.60	39° 42.45'	111° 14.50'	1.7	1.2	9	139	8	0.42
110629	14:34:24.65	39° 39.48'	110° 23.48'	1.6	1.5	9	115	2	0.34
110630	03:32:08.70	39° 55.93'	111° 49.20'	4.5	2.0W	23	54	6	0.18
110630	07:34:24.90	39° 25.05'	111° 07.07'	7.7*	1.6	15	90	16	0.19
110630	13:24:31.59	39° 55.91'	111° 49.44'	0.9	0.9	8	125	6	0.15

number of earthquakes = 312

* 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, 2011

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
BCE	Book Cliffs East, UT	BCE	EHZ	4	UU	39° 36.79'	110° 24.51'	2666	L4C	K2	Digital	Utah
			EN[ZEN]						EpiSensor			
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	4	UU	39° 43.82'	110° 44.55'	2614	L4C	K2	Digital	Utah
			EN[ZEN]						EpiSensor			
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]	3	UU	40° 55.53'	113° 01.79'	1640	EpiSensor	Q330	Digital	ANSS
			HH[ZEN]	3					Trillium 120			
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
BMN	Battle Mountain, NM	BMN	BHZ	1	NN	40° 25.89'	117° 13.31'	1594	*	*	Digital	UNR
BMUT	Black Mountain, UT	BMUT	EHZ	1	UU	41° 57.49'	111° 14.05'	2243	S13	PSN	Analog	USGS
BON	Boundary Peak, NV	BONR	SHZ	1	NN	37° 57.31'	118° 18.10'	2582	*	*	Digital	UNR

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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
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
BYU	Brigham Young University Provo, UT	BYU	EN[ZEN]	3	UU	40° 15.17'	111° 38.97'	1421	EpiSensor	K2	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	MB	45° 27.35'	110° 08.41'	2941	*	*	Analog	MBMT
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			

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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	K2	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]	6	UU				S13	PSN	Analog	Utah, USGS
			EL[ZEN]									
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]	4	UU	39° 48.84'	110° 48.92'	2268	S13	PSN	Analog	USGS
			ELZ									
			EN[ZEN]	3					FBA23	K2	Digital	Utah
EPU	East Promontory, UT	EPU	EHZ	1	UU	41° 23.49'	112° 24.53'	1436	L4C	PSN	Analog	USGS
ETW	Elwood Town Hall, Elwood, UT	ETW	EN[ZEN]	3	UU	41° 40.15'	112° 08.53'	1305	Applied Mems	ANSS-130	Digital	ANSS
FLU	Fool's Peak, UT	FLU	EHZ	1	UU	39° 22.69'	112° 10.29'	1951	18300	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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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]	4	UU	40° 34.53'	111° 45.79'	1829	S13	PSN	Analog	USGS
			ELZ									
GMV	Granite Mountain Vault Sandy, UT	GMV	EN[ZEN]	3	UU	40° 34.40'	111° 45.79'	1829	EpiSensor	K2	Digital	ANSS
GRD	Gardner Farm, UT	GRD	EHZ	1	UU	40° 35.93'	111° 55.47'	1323	Ranger	PSN	Analog	USGS
GRR	Grays Lake, ID	GRR	EHZ	1	IE	42° 56.28'	111° 25.32'	2207	*	*	Digital	INL
GZU	Grizzly Peak, UT	GZU	EH[ZEN]	4	UU	41° 25.53'	111° 58.50'	2646	S13	PSN	Analog	USGS
			ELZ									
HCO	Holladay City Offices Holladay, UT	HCO	EN[ZEN]	3	UU	40° 40.07'	111° 49.38'	1362	EpiSensor	K2	Digital	ANSS
HCSU	Hobble Creek, Springville, UT	HCSU	EHZ	1	UU	40° 12.40'	111° 30.14'	1789	L4C	Basalt	Digital	Utah, USGS
			EN[ZEN]	3					EpiSensor			
HDU	Hyde Park, UT	HDU	EHZ	1	UU	41° 48.18'	111° 45.99'	1807	L4C	PSN	Analog	USGS
HEB	Heber, UT	HEB	EHZ	1	UU	40° 30.09'	111° 20.15'	1925	S13	PSN	Analog	Utah
HER	Herriman Fire Station Herriman, UT	HER	EN[ZEN]	3	UU	40° 30.94'	112° 01.85'	1502	EpiSensor	K2	Digital	ANSS
HES	Hooper Elementary School Hooper, UT	HES	EN[ZEN]	3	UU	41° 09.89'	112° 07.30'	1292	EpiSensor	K2	Digital	ANSS
HHA	Hell's Half Acre, ID	HHAI	EHZ	1	IE	43° 17.70'	112° 22.74'	1371	*	*	Digital	INL
HHS	Hurricane High School, UT	HHS	EN[ZEN]	3	UU	37° 10.43'	113° 17.74'	987	EpiSensor	Etna	Digital	Utah
HLI	Hailey, ID	HLID	BH[ZEN]	3	US	43° 33.75'	114° 24.83'	1772	*	*	Digital	USGS
HLJZ	Hailstone, UT	HLJ	EHZ	1	UU	40° 36.64'	111° 24.05'	1931	S13	PSN	Analog	Utah
			EN[ZEN]	3					FBA23	K2	Digital	
HMU	Henry Mountain, UT	HMU	HH[ZEN]	3	UU	37° 56.28'	110° 44.51'	2430	3T	72A-07	Digital	Utah
HON	Honeyville, UT	HON	EN[ZEN]	3	UU	41° 36.97'	112° 03.05'	1528	Applied Mems	ANSS-130	Digital	ANSS
HONU		HONU	EHZ	1					L4C	PSN	Analog	USGS

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
HRU	Hogsback Ridge, UT	HRU	EHZ	1	UU	40° 47.67'	111° 53.14'	1620	Ranger	PSN	Analog	USGS
			EN[ZEN]	3					Applied Mems	ANSS-130	Digital	ANSS
HTU	Hoyt, UT	HTU	EHZ	1	UU	40° 40.52'	111° 13.21'	2576	L4C	PSN	Analog	USGS
			EHZ	1						Episensor	Basalt	
			EN[ZEN]	3					Trillium 120		Q330	
HVU	Hansel Valley, UT	HVU	HH[ZEN]	3	UU	41° 46.78'	112° 46.50'	1609	EpiSensor	Q330		Digital
			EN[ZEN]	3								
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
JVW	Jordan Valley Water District Well, Murray, UT	JVW	EN[ZEN]	3	UU	40° 37.95'	111° 54.46'	1315	Applied Mems	ANSS-130	Digital	ANSS
KEUT	Kanab Elementary School, UT	KEUT	EN[ZEN]	3	UU	37° 03.02'	112° 31.76'	1514	PA-23	SMART-24	Digital	Utah
KLJ	Keetley, UT	KLJ	EHZ	1	UU	40° 37.85'	111° 24.30'	1992	S13	PSN	Analog	Utah
KNB	Kanab, UT	KNB	HH[ZEN]	3	UU	37° 01.00'	112° 49.34'	1715	3T	ANSS-130	Digital	Utah. ANSS, LLNL
			EN[ZEN]	3					Episensor			
LCMT	Little Creek Mountain, UT	LCMT	HH[ZEN]	3	UU	37° 00.71'	113° 14.63'	1411	3T	SMART-24	Digital	Utah
			EN[ZEN]	3					PA-23			
LCU	Little Cottonwood, UT	LCU	EN[ZEN]	3	UU	40° 34.41'	111° 47.91'	1571	Applied Mems	K2	Digital	ANSS
LDJ	Lady, UT	LDJ	EHZ	1	UU	40° 34.89'	111° 24.52'	2217	S13	PSN	Analog	Utah

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
LEVU	Levan, UT	LEVU	EHZ	1	UU	39° 30.39'	111° 48.88'	1996	L4C	PSN	Analog	USGS
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
LMU	Lake Mountain, UT	LMU	EN[ZEN]	3	UU	40° 18.91'	111° 55.92'	1593	EpiSensor	K2	Digital	ANSS
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								
MAB	Mapleton Ambulance Building Mapleton, UT	MAB	EN[ZEN]	3	UU	40° 07.85'	111° 34.67'	1440	EpiSensor	K2	Digital	ANSS
MBUT	Moab, UT	MBUT	EN[ZEN]	3	UU	38° 32.00'	109° 30.59'	1376	FBA23	Etna	Digital	Utah
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
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								
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
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
MOR	Morgan, UT	MOR	EN[ZEN]	3	UU	41° 02.77'	111° 39.94'	1633	Applied Mems	ANSS-130	Digital	ANSS
MOUT	Mount Ogden, UT	MOUT	EHZ	1	UU	41° 11.94'	111° 52.73'	2743	S13	PSN	Analog	USGS

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
MPU	Maple Canyon, UT	MPU	EN[ZEN]	3	UU	40° 00.93'	111° 38.00'	1909	EpiSensor	K2	Digital	ANSS
			HH[ZEN]	3					3ESP	ANSS-130	Digital	USGS
MSU	Marysville, 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	Marysville, 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]	4	UU	38° 30.99'	112° 51.00'	1853	S13	PSN	Analog	Utah
			ELZ									
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
OCP	Orem City Park, Orem, UT	OCP	EN[ZEN]	3	UU	40° 17.87'	111° 41.44'	1464	EpiSensor	K2	Digital	ANSS
OF2	Ogden Fire Station ° 2 Ogden, UT	OF2	EN[ZEN]	3	UU	41° 13.70'	111° 56.92'	1358	EpiSensor	K2	Digital	ANSS
OPS	Ogden Public Safety Building, Ogden, UT	OPS	EN[ZEN]	3	UU	41° 13.72'	111° 58.54'	1317	Applied Mems	ANSS-130	Digital	ANSS
OSS	Oquirrh Sub Station, UT	OSS	EN[ZEN]	3	UU	40° 33.77'	112° 01.61'	1503	Applied Mems	ANSS-130	Digital	ANSS
OWUT	Old Woman Plateau, UT	OWUT	EHZ	1	UU	38° 46.80'	111° 25.42'	2568	L4C	PSN	Analog	Utah
P03	Wild Steer, Paradox Basin, CO	PV03	EHZ	1	RE	38° 15.26'	108° 50.88'	1975	*	*	Analog	USBR
P15	Potato Mountain Paradox Basin, CO	PV15	EHZ	1	RE	38° 20.51'	108° 28.86'	2280	*	*	Analog	USBR
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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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	PCUT	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	SHZ	1	NN	37° 24.40'	115° 03.05'	1402	*	*	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								
			EN[ZEN]	3								
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								
			EN[ZEN]	3								
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
RIV	Public Works Building Riverton, UT	RIV	EN[ZEN]	3	UU	40° 31.16'	111° 56.05'	1347	EpiSensor	K2	Digital	ANSS
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
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
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	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	EHZ	1	NN	36° 30.33'	115° 09.61'	1590	*	*	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						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			
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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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
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
TRC	Troy Canyon, NV	TRC	BHZ	1	NN	38° 20.98'	115° 35.11'	1815	*	*	Digital	UNR
TRS	Tooele County Radio Shop, Tooele, UT	TRS	EN[ZEN]	3	UU	40° 30.83'	112° 18.63'	1568	EpiSensor	K2	Digital	ANSS
TUC	Tucson, AZ	TUC	BH[ZEN]	3	US	32° 18.58'	110° 47.05'	906	*	*	Digital	USGS
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
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
VES	Valley Elementary School, Huntsville, UT	VES	EN[ZEN]	3	UU	41° 15.72'	111° 46.20'	1501	Applied Mems	ANSS-130	Digital	ANSS
VNL	Vernal, UT	VNL	EN[ZEN]	3	UU	40° 27.48'	109° 32.89'	1648	FBA23	Etna	Digital	Utah
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
WCN	Washoe, NV	WCN	HHZ	1	NN	39° 18.10'	119° 45.38'	1500	*	*	Digital	UNR
WCO	Washington City Office Building, UT	WCO	EN[ZEN]	3	UU	37° 07.91'	113° 30.56'	837	EpiSensor	Etna	Digital	Utah

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
WCU	Willow Creek, UT	WCU	EHZ	1	UU	38° 57.88'	112° 05.44'	2673	18300	PSN	Analog	USGS
			EHZ	1						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	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
WTU	Western Traverse Mountains, UT	WTU	EH[ZEN]	4	UU	40° 27.29'	111° 57.21'	1552	S13	PSN	Analog	USGS
			ELZ									
			EN[ZEN]	3						Applied Mems	ANSS-130	Digital
WUAZ	Wupatki, AZ	WUAZ	BH[ZEN]	3	US	35° 31.01'	111° 22.43'	1592	*	*	Digital	USGS
WVUT	Wellsville, UT	WVUT	EHZ	1	UU	41° 36.61'	111° 57.55'	1828	L4C	PSN	Analog	USGS
YDC	Denny Creek, MT	YDC	EHZ	1	WY	44° 42.51'	111° 14.60'	2025	L4C	PSN	Analog	USGS
YFT	Old Faithful (YNP), WY	YFT	HH[ZEN]	3	WY	44° 27.05'	110° 50.24'	2292	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	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			
YJCZ	Joseph's Coat (YNP), WY	YJC	EHZ	1	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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
YMC	Maple Creek (YNP), WY	YMC	EHZ	1	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	EH[ZEN]	3	WY	44° 44.38'	110° 09.40'	2774	S13	PSN	Analog	USGS
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
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
YPP	Pitchstone Plateau (YNP), WY	YPP	EHZ	1	WY	44° 16.26'	110° 48.27'	2707	S13	PSN	Analog	USGS
			HH[ZEN]	3					Trillium 120			
			EN[ZEN]	3					Titan			
YSB	Soda Butte (YNP), WY	YSB	EHZ	1	WY	44° 53.04'	110° 09.06'	2072	L4C	PSN	Analog	USGS
YTP	The Promontory (YNP), WY	YTP	EHZ	1	WY	44° 23.51'	110° 17.10'	2384	L4	PSN	Analog	USGS
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: 743 data channels from 253 stations were being recorded at the end of this report period

EXPLANATION OF TABLE

UURSN Code: Station code 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/stations/networks.txt>>> for information about registered seismograph network codes. Network codes referenced in this table:

Network Code	Network name; Network operator or responsible organization
AR	Northern Arizona Seismic Network, Northern Arizona University
LB	Leo Brady Network; Sandia National Laboratory
IE	Idaho National Laboratory

IU	IRIS/USGS Network; USGS Albuquerque Seismological Laboratory
IW	Intermountain West Network
MB	Montana Regional Seismic Network; Montana Bureau of Mines and Geology
NN	Western Great Basin; University of Nevada, Reno
NP	National Strong Motion Program; 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 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
Trillium 120	Nanometrics Trillium 120 broadband seismometer
Trillium 240	Nanometrics Trillium 240 broadband seismometer
Titan	Nanometrics Titan accelerometer
Observer	Refraction Technology (REF TEK) 151 Observer broadband 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)

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

NETWORK CHANGES DURING APRIL 1-JUNE 30, 2011

April 22 to June 23 The total number of channels has changed due to ARRA upgrades in Utah (EHZ and EN[ZEN] at SEED stations FLU, PTU, RBU, and SNUT).