

# **EARTHQUAKE ACTIVITY IN THE UTAH REGION**

Preliminary Epicenters

October 1 – December 31, 2011

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

February 24, 2012



## 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 through 02:00 (2:00 a.m.) on November 6 and MST thereafter.
- 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).



## **EARTHQUAKE ACTIVITY IN THE UTAH REGION October 1 – December 31, 2011**

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During the three-month period October 1 through December 31, 2011, the University of Utah Seismograph Stations (UUSS) located 680 earthquakes within the Utah region (Figure 1). The total includes five earthquakes in the magnitude 3 range and 48 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. Six 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](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://earthquake.usgs.gov/earthquakes/dyfi/>. 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 <sub>L</sub> 3.9	November 9	21:27 MST	8 mi WNW of Orangeville, UT (felt, CIIM intensity map, ShakeMap, see Table 1)
M <sub>L</sub> 3.2	November 11	22:15 MST	22 mi S of E Carbon City, UT (felt, CIIM intensity map , see Table 1)
M <sub>L</sub> 3.0	November 20	11:32 MST	16 mi N of La Verkin, UT
M <sub>L</sub> 3.1	December 1	01:00 MST	11 mi E of Georgetown, ID
M <sub>L</sub> 3.0	December 19	09:51 MST	13 mi E of Smithfield, UT (felt, CIIM intensity map, ShakeMap, see Table 1)

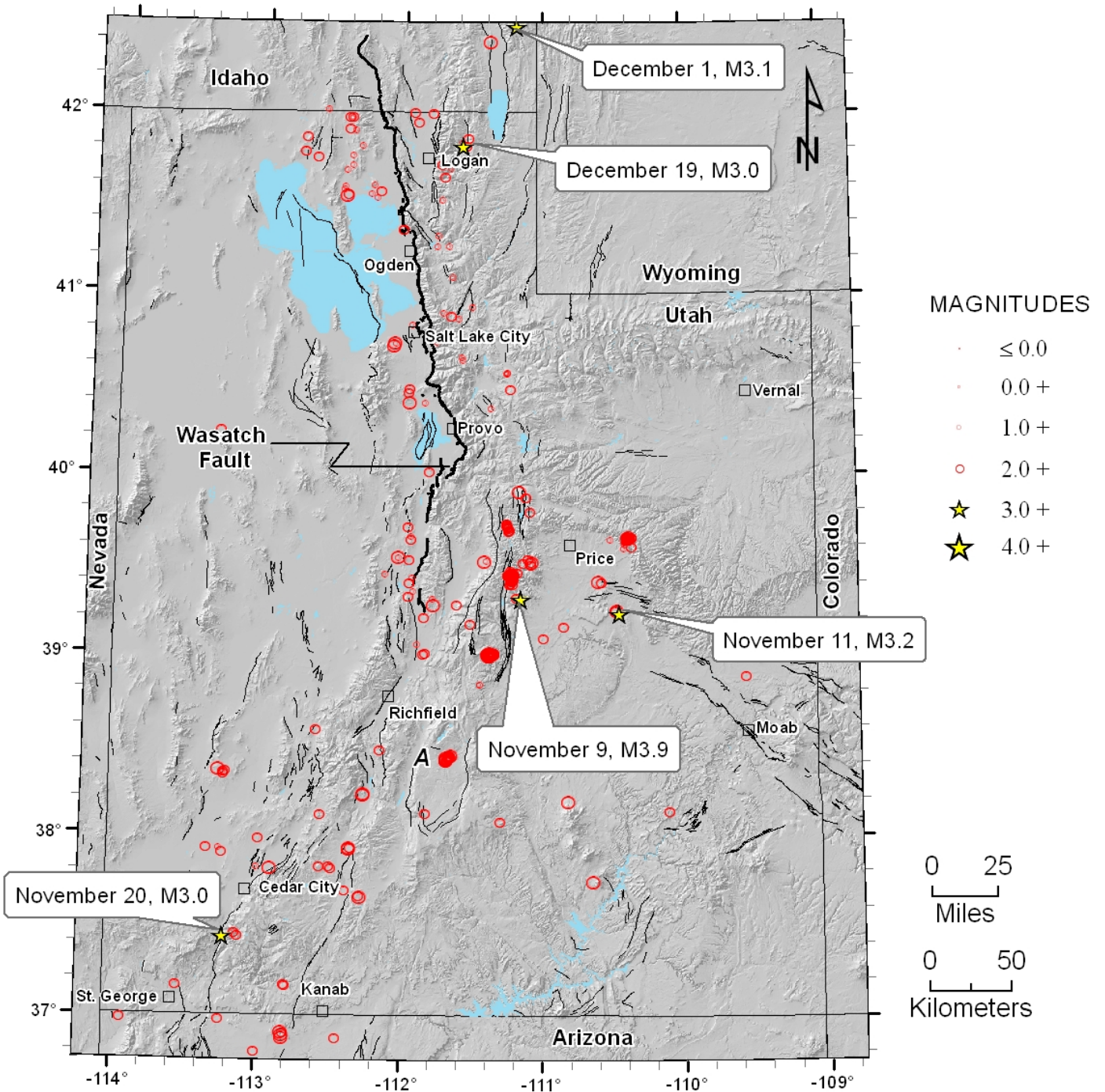
### Other Notable Seismicity

During the report period, there was one notable spatial cluster of natural earthquake activity (labeled A 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 25 earthquakes ( $1.2 \leq M \leq 2.8$ ) occurred about 2 miles WNW of Loa, UT. Twenty-four of these events, including a magnitude 2.8 shock, occurred between December 13 and December 14.

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 516 located shocks ( $0.1 \leq M \leq 3.9$ ) that occurred throughout the report period.

# Seismicity of the Utah Region October 1, 2011 - December 31, 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 cluster labeled A is discussed in the text.**

Table 1

**EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION  
January 1, 2011 to December 31, 2011**

<b>Date</b>	<b>Time†</b>	<b>Felt Information‡</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Magnitude§</b>
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 <sub>L</sub> 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 <sub>L</sub> 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 <sub>L</sub> 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 <sub>L</sub> 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 <sub>L</sub> 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 <sub>L</sub> 3.6



**Table 1**

**EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION  
January 1, 2011 to December 31, 2011**

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 <sub>L</sub> 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 <sub>L</sub> 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 <sub>L</sub> 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 <sub>L</sub> 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 <sub>L</sub> 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 <sub>L</sub> 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 <sub>L</sub> 2.7

**Table 1**

**EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION  
January 1, 2011 to December 31, 2011**

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 <sub>L</sub> 2.7
July 04 July 05	21:22 MDT 03:22 UTC	Utah. <i>CIIM</i> . Felt (III) at Payson, UT and (II) at Mona, Santaquin, Provo, Nephi, Sandy, Salt Lake City, Richfield, and Monroe, UT.	39° 55.82'	111° 49.26'	M <sub>L</sub> 3.2
July 05	08:59 MDT 14:59 UTC	Utah. <i>CIIM</i> . Felt (III) at Alton, and Brian Head, UT and (II) at Panguitch, Escalante, and Provo (?), UT.	37° 34.16'	112° 34.48'	M <sub>L</sub> 3.0
July 22	01:05 MDT 07:05 UTC	Utah. <i>CIIM</i> . Felt (III) at Santaquin, Salem, Spanish Fork, Cedar Valley, Nephi, and Mount Pleasant, UT and (II) at Mona and Payson, UT.	39° 55.92'	111° 49.39'	M <sub>L</sub> 3.3
July 25 July 26	21:38 MDT 03:38 UTC	Idaho. <i>CIIM</i> . Felt (IV) at Garden City, UT, (III) at Saint Charles, Franklin, ID, Providence, Salt Lake City (?), UT and (II) at Fish Haven, Preston, Montpelier, ID, Richmond, Lewinston, Hyde Park, Smithfield, Logan, Collinston, Farmington, Centerville, Bountiful, Salem (?), UT.	42° 03.13'	111° 33.51'	M <sub>L</sub> 3.7
August 12	16:07 MDT 22:07 UTC	Utah. <i>CIIM</i> . Felt (II) at Riverton, Herriman, South Jordan, Draper, West Jordan, Lehi, Sandy, Salt Lake City, Magna, and Provo, UT.	40° 28.66'	111° 59.02'	M <sub>L</sub> 2.5
September 06	08:33 MDT 14:33 UTC	Utah. <i>CIIM</i> . Felt (II) at Sandy (?), UT and Baker (?), NV.	39° 00.19'	111° 22.39'	M <sub>L</sub> 2.9
September 28	00:31 MDT 06:31 UTC	Utah. <i>CIIM</i> . Felt (II) at Escalante, Panguitch, Saint George (?), and Salt Lake City (?), UT.	37° 54.58'	112° 03.23'	M <sub>L</sub> 3.5

**Table 1**

**EARTHQUAKES FELT AND/OR GENERATING A SHAKEMAP IN THE UTAH REGION  
January 1, 2011 to December 31, 2011**

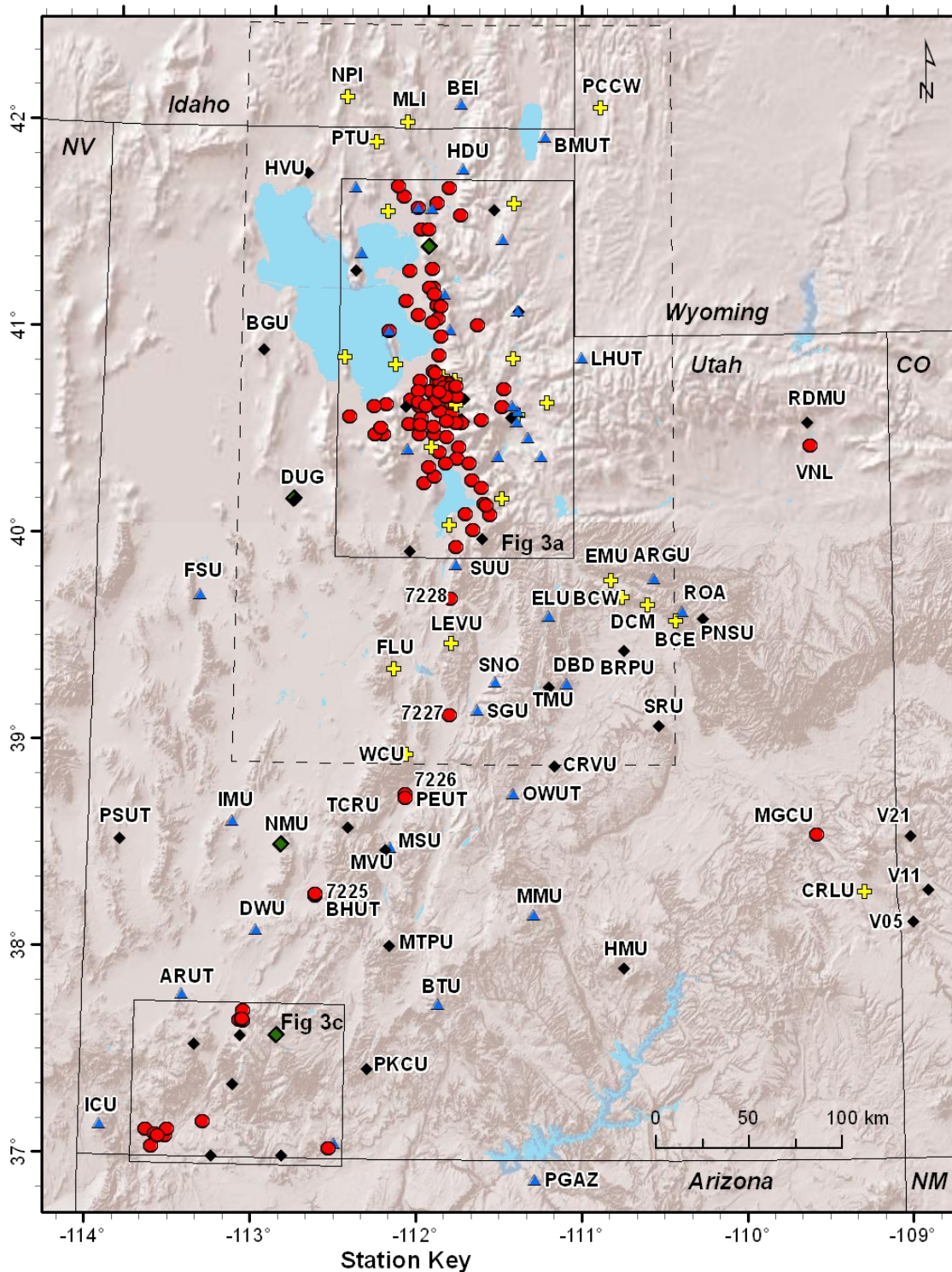
November 09 November 10	21:27 MST 04:27 UTC	Utah. <i>CIIM</i> . Felt (IV) at Huntington, UT, (III) at Price, Ferron, Helper, UT, Mancos (?), CO, and (II) at Mount Pleasant, Wellington, Provo, Moab, UT, Grand Junction (?), CO, Kemmerer (?), WY.	39° 18.15'	111° 09.07'	M <sub>L</sub> 3.9
November 11 November 12	22:15 MST 05:15 UTC	Utah. <i>CIIM</i> . Felt (III) at Price, Salt Lake City (?), UT, Montrose (?), CO, and (II) at Feron, UT, Berthoud (?), CO.	39° 13.53'	110° 27.27'	M <sub>L</sub> 3.2
November 28	00:02 MST 07:02 UTC	Utah. <i>CIIM</i> . Felt (III) at Salt Lake City, UT and (II) at Magna, UT.	40° 43.17'	112° 04.01'	M <sub>L</sub> 2.1
November 29	04:42 MST 11:42 UTC	Utah. <i>CIIM</i> . Felt (II) at Lindon, Smithfield (?), UT.	38° 59.66'	111° 22.92'	M <sub>L</sub> 2.8
December 10	09:45 MST 16:45 UTC	Utah. <i>CIIM</i> . Felt (III) at Huntington, UT.	38° 59.40'	111° 23.32'	M <sub>L</sub> 2.9
December 19	09:51 MST 16:51 UTC	Utah. <i>CIIM</i> . Felt (III) at Logan, UT, Bellevue (?), ID and (II) at Providence, Syracuse, UT, Mountain City (?), NV.	41° 48.55'	111° 34.99'	M <sub>L</sub> 3.0

† 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://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's (1) CIIM reports and/or (2) PDE Monthly (or) Weekly Listing Files (<http://earthquake.usgs.gov/research/data/pde.php>).

§ Richter local magnitude (M<sub>L</sub>) or coda magnitude (M<sub>C</sub>) determined by UUSS. If labeled “NEIC,” data are from the National Earthquake Information Center of the USGS.

# Utah Regional/Urban Seismic Network December 31, 2011



**Station Key**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>▲ Single-component, Analog-telemetry, Short-period</li> <li>◆ Multi-component, Analog-telemetry, Short-period</li> <li>◆ Multi-component, Digital-telemetry, Broadband</li> <li>● Multi-component, Digital-telemetry, Strong Motion</li> </ul> | <p><b>Bounds of map correspond to standard "Utah Region"</b></p> <ul style="list-style-type: none"> <li>┌ ─ ─ ─ ┐ Traditional "Wasatch Front Area"</li> <li>✚ Multi-comp Strong-Motion, Vertical Short-Period Digital and/or Analog-telemetry</li> </ul> |
|---|--|

**Figure 2**

# Utah Urban Seismic Network (December 31, 2011)

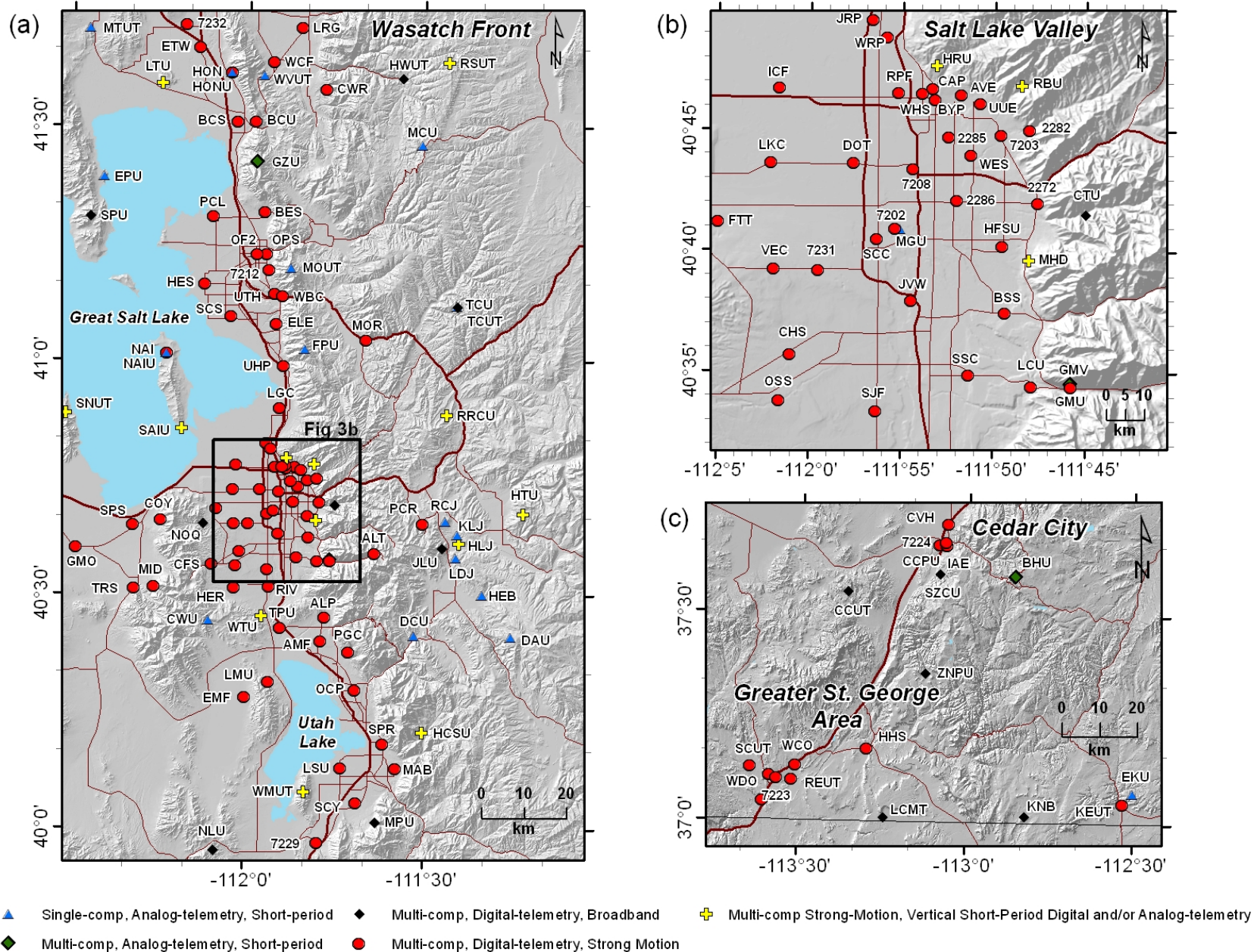


Figure 3

**Table 2. Earthquakes in the Utah Region: October 1–December 31, 2011**

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111001	06:15:45.45	41° 51.40'	112° 43.73'	2.5	1.1	12	225	9	0.14
111001	09:28:56.65	39° 41.81'	111° 15.15'	1.7	1.5	9	136	8	0.30
111001	09:51:51.99	39° 26.32'	111° 13.14'	7.6*	1.5	6	139	16	0.12
111001	10:52:05.17	39° 26.30'	111° 13.79'	2.7*	1.6	9	122	16	0.15
111002	00:59:10.18	41° 46.35'	112° 44.73'	3.6	1.2	13	133	3	0.16
111004	11:51:29.36	41° 30.84'	111° 44.12'	2.1*	0.4	9	137	18	0.17
111004	21:44:36.13	39° 25.40'	111° 13.85'	7.5	1.6	6	166	14	0.15
111005	04:50:02.68	39° 26.43'	111° 13.47'	2.7*	1.3	6	121	16	0.15
111006	03:38:39.63	39° 25.75'	111° 13.77'	6.5*	1.7	5	235	15	0.17
111006	06:04:29.29	37° 44.18'	110° 38.64'	0.1*	2.0W	6	240	24	0.10
111006	22:28:59.50	39° 26.32'	111° 13.63'	7.0*	1.5	9	121	16	0.11
111006	22:31:00.98	39° 26.18'	111° 14.15'	3.6*	1.8	14	88	16	0.16
111007	07:19:54.37	41° 57.84'	112° 24.02'	18.5	0.4	9	99	23	0.23
111007	12:48:18.97	38° 07.42'	110° 06.81'	1.7*	1.8	17	173	59	0.36
111007	15:56:13.97	39° 26.54'	111° 13.58'	2.7*	1.5	7	122	16	0.18
111007	20:59:59.72	39° 26.74'	111° 13.52'	4.0*	1.6	6	239	17	0.19
111007	22:58:29.43	39° 26.22'	111° 14.41'	2.6*	1.5	11	125	16	0.19
111008	04:48:44.01	39° 26.09'	111° 13.86'	1.8*	1.4	14	72	16	0.20
111008	05:30:22.83	39° 25.97'	111° 14.38'	3.1*	1.1	10	124	15	0.17
111008	08:08:51.47	39° 25.39'	111° 13.88'	2.1*	1.5	8	166	14	0.08
111008	17:34:12.40	39° 26.26'	111° 13.97'	4.1*	1.5	8	122	16	0.15
111008	20:33:04.49	39° 26.16'	111° 14.09'	3.6*	1.7	13	102	16	0.19
111009	04:06:48.48	39° 26.49'	111° 13.49'	2.8*	1.2	9	87	16	0.13
111009	05:51:07.80	39° 26.32'	111° 14.16'	5.3*	1.2	9	124	16	0.17
111009	11:29:06.25	39° 26.50'	111° 13.79'	2.5*	1.6	8	123	16	0.13
111009	11:50:47.07	39° 26.24'	111° 14.15'	2.7*	1.1	11	124	16	0.18
111009	22:37:33.32	42° 00.62'	112° 34.64'	10.9	0.5	10	165	16	0.13
111009	23:07:35.40	37° 41.25'	112° 23.20'	2.2*	1.3	14	87	28	0.13
111010	02:43:22.21	39° 26.20'	111° 14.09'	2.5*	1.4	10	123	16	0.20
111011	00:26:27.36	39° 26.43'	111° 13.48'	4.5*	1.3	7	237	16	0.15
111011	04:27:31.22	39° 26.31'	111° 14.31'	2.2*	1.3	9	125	16	0.19
111011	04:30:42.17	39° 25.99'	111° 14.11'	3.9*	1.6	9	123	15	0.26
111011	06:15:22.98	37° 53.74'	113° 14.90'	3.9*	1.5	11	166	21	0.29
111011	15:06:50.62	37° 55.15'	113° 16.20'	6.6*	0.9	10	177	21	0.25
111011	16:51:11.88	39° 26.15'	111° 14.16'	5.4*	1.3	11	123	16	0.15
111011	17:20:01.77	39° 26.17'	111° 15.00'	6.7*	1.2	9	127	16	0.14
111011	21:05:25.78	39° 26.38'	111° 13.65'	5.3*	1.4	7	121	16	0.12
111011	21:34:45.17	39° 26.39'	111° 13.35'	5.7*	1.2	6	120	16	0.14
111011	22:52:32.89	39° 26.24'	111° 14.32'	2.4*	1.0	6	125	16	0.23
111011	23:37:36.91	39° 26.18'	111° 12.93'	11.0	1.3	5	139	16	0.13
111011	23:53:45.79	39° 27.05'	111° 12.90'	7.6*	1.4	5	263	17	0.18
111012	02:17:51.60	39° 26.28'	111° 14.01'	1.9*	1.4	11	87	16	0.14
111012	02:43:28.72	39° 26.50'	111° 13.71'	2.0*	1.4	8	122	16	0.13
111012	05:18:36.68	39° 26.30'	111° 13.75'	6.1*	1.4	8	156	16	0.13
111012	05:47:47.29	39° 26.41'	111° 13.85'	5.2*	1.5	10	88	16	0.11

**Table 2. Earthquakes in the Utah Region: October 1–December 31, 2011**

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111012	06:08:24.64	39° 26.27'	111° 14.14'	6.0*	1.6	12	124	16	0.13
111012	06:30:00.78	39° 26.22'	111° 13.91'	7.2*	1.4	14	87	16	0.12
111012	07:53:35.28	39° 26.03'	111° 14.08'	2.4*	1.7	14	123	15	0.17
111012	09:39:18.48	37° 49.24'	112° 33.96'	3.9*	1.4	12	106	42	0.09
111012	15:46:14.37	39° 26.94'	111° 13.56'	4.1*	1.2	6	240	17	0.16
111012	18:34:58.76	39° 25.40'	111° 13.79'	7.4	1.4	8	166	14	0.16
111012	19:20:43.06	39° 25.35'	111° 13.75'	2.2*	1.4	8	166	14	0.09
111012	20:12:13.71	39° 26.44'	111° 13.73'	3.0*	1.3	8	122	16	0.19
111012	21:20:06.59	39° 26.04'	111° 13.61'	2.9*	1.4	8	120	15	0.19
111012	22:56:24.75	39° 25.99'	111° 13.94'	3.0*	1.6	10	122	15	0.14
111013	00:13:22.35	39° 25.94'	111° 14.55'	5.2*	1.7	16	88	15	0.15
111013	02:33:48.76	39° 25.83'	111° 14.04'	2.2*	1.6	11	86	15	0.15
111013	02:53:25.55	39° 25.75'	111° 13.80'	2.0*	1.4	12	120	15	0.18
111013	08:02:51.78	39° 26.12'	111° 14.37'	2.1*	1.2	11	124	16	0.16
111013	12:12:26.76	39° 29.56'	111° 05.08'	2.1*	1.4W	12	84	19	0.10
111013	18:00:26.02	39° 26.23'	111° 14.16'	2.2*	1.5	11	124	16	0.16
111013	18:54:06.68	38° 27.77'	112° 09.21'	9.9	1.7	20	68	6	0.26
111013	19:14:35.19	39° 25.85'	111° 14.21'	3.0*	1.3	9	122	15	0.17
111013	20:46:25.01	39° 25.89'	111° 14.17'	6.3*	1.6	14	122	15	0.17
111014	01:17:47.22	39° 25.44'	111° 13.96'	8.6	1.6	17	82	14	0.14
111014	02:56:55.32	39° 26.34'	111° 13.92'	2.2*	1.2	9	123	16	0.19
111014	03:52:53.44	41° 56.26'	111° 54.62'	6.0*	1.1	12	89	19	0.22
111014	03:59:50.88	39° 26.38'	111° 13.15'	5.5*	1.6	6	139	16	0.18
111014	05:12:51.11	39° 26.20'	111° 14.40'	2.7*	1.2	12	125	16	0.15
111014	07:13:18.63	39° 26.11'	111° 14.07'	1.9*	1.6	12	123	16	0.18
111014	07:53:03.15	39° 25.79'	111° 14.22'	6.5*	1.6W	17	87	15	0.15
111014	08:14:48.71	39° 26.20'	111° 14.15'	2.6*	1.5	10	123	16	0.17
111014	10:47:47.90	39° 26.06'	111° 14.30'	4.8*	1.3	11	123	16	0.19
111014	13:04:36.69	39° 22.91'	111° 14.15'	9.0	1.5	8	182	10	0.28
111014	21:15:27.27	39° 25.55'	111° 13.88'	7.1*	1.7	12	154	15	0.15
111014	21:34:11.15	39° 26.26'	111° 13.40'	4.9*	1.4	6	237	16	0.17
111015	04:24:27.96	39° 26.46'	111° 13.20'	8.1	1.5	6	138	16	0.12
111015	15:20:36.86	37° 48.43'	112° 54.63'	7.0*	2.5W	10	140	34	0.17
111015	16:48:41.75	39° 26.16'	111° 12.77'	8.7	1.6	6	141	16	0.11
111015	17:46:37.36	39° 26.53'	111° 13.44'	2.2*	1.7	7	121	16	0.13
111015	18:52:08.73	36° 52.36'	112° 26.40'	10.1*	1.6	10	220	23	0.34
111015	19:53:38.62	39° 26.39'	111° 13.62'	2.9*	1.4	7	121	16	0.13
111015	22:05:47.15	39° 26.63'	111° 13.00'	2.1*	1.5	7	119	16	0.19
111016	01:46:38.92	38° 52.26'	109° 33.87'	7.0*	1.5W	7	176	87	0.14
111016	06:27:44.11	39° 26.37'	111° 14.18'	2.0*	1.8	10	124	16	0.15
111017	15:23:10.35	39° 26.13'	111° 12.46'	10.1	1.2	5	258	15	0.12
111017	16:32:50.13	39° 26.23'	111° 14.05'	0.2*	1.5	9	123	16	0.19
111017	17:11:20.19	39° 26.21'	111° 13.83'	3.0*	1.4	8	122	16	0.21
111017	21:50:52.48	39° 25.75'	111° 13.62'	7.2*	1.5	9	167	15	0.13
111017	22:00:10.77	39° 25.61'	111° 12.93'	10.6	1.7	6	220	15	0.11

**Table 2. Earthquakes in the Utah Region: October 1–December 31, 2011**

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111017	22:00:27.27	39° 24.57'	111° 12.71'	11.8	1.6W	10	115	13	0.17
111017	22:46:17.41	39° 26.29'	111° 13.66'	4.2*	1.4	9	121	16	0.15
111017	22:53:41.48	39° 26.20'	111° 14.28'	2.6*	1.3	12	124	16	0.16
111017	23:42:15.76	39° 26.17'	111° 14.03'	0.5*	1.6	14	87	16	0.13
111018	00:00:24.35	39° 25.71'	111° 13.93'	2.2*	1.5	13	86	15	0.16
111018	01:26:24.68	41° 35.75'	112° 13.82'	4.1	0.8	16	66	2	0.26
111018	01:50:16.93	39° 26.55'	112° 07.45'	3.0	0.3	5	225	8	0.14
111018	02:32:33.81	39° 26.24'	111° 14.28'	2.7*	1.6	12	88	16	0.16
111018	03:48:08.77	39° 25.33'	111° 13.74'	6.8*	1.7	8	195	14	0.14
111018	04:50:48.17	39° 26.32'	111° 14.33'	2.9*	1.7	8	125	16	0.19
111018	05:12:31.91	39° 26.18'	111° 14.16'	2.7*	1.7	11	123	16	0.15
111018	07:40:08.65	39° 26.31'	111° 14.38'	2.4*	1.5	11	74	16	0.16
111018	08:23:41.80	39° 26.28'	111° 13.68'	0.3*	1.8	9	121	16	0.20
111018	10:02:37.44	39° 24.25'	111° 13.70'	9.3	1.5	8	189	12	0.14
111018	13:11:37.66	39° 26.87'	111° 10.95'	3.0*	1.3	5	122	17	0.32
111018	14:57:24.83	39° 25.30'	111° 13.64'	7.2	1.5	10	84	14	0.16
111018	16:10:19.71	39° 26.16'	111° 13.75'	2.1*	1.7	11	86	16	0.21
111018	18:52:56.92	39° 24.70'	111° 13.87'	8.9	1.6	8	192	13	0.11
111018	19:14:58.80	39° 24.23'	111° 13.88'	10.2	1.1	7	161	12	0.12
111018	21:34:03.89	39° 26.55'	111° 13.42'	2.5*	1.7	7	121	16	0.17
111018	21:57:02.18	39° 26.50'	111° 13.53'	3.0*	1.6	5	122	18	0.05
111019	00:40:54.84	39° 26.50'	111° 13.56'	3.7*	1.6	7	122	16	0.13
111019	00:58:29.41	39° 26.21'	111° 13.99'	2.6*	1.7	8	122	16	0.16
111019	01:35:22.19	39° 25.95'	111° 13.55'	2.2*	1.4W	11	86	15	0.20
111019	01:46:04.25	39° 18.46'	111° 47.10'	18.4	0.9	6	144	18	0.09
111019	02:11:49.23	39° 26.20'	111° 13.88'	3.0*	1.3	8	122	16	0.17
111019	06:26:19.85	39° 25.81'	111° 14.16'	2.7*	1.8	10	99	18	0.15
111019	18:07:14.00	39° 26.16'	111° 13.93'	3.0*	1.5	7	122	16	0.19
111019	19:08:55.92	39° 26.13'	111° 13.81'	3.3*	1.6W	9	87	16	0.14
111020	01:28:15.30	39° 26.42'	111° 13.34'	2.5*	1.7	6	120	16	0.13
111020	02:09:56.08	39° 26.46'	111° 13.59'	2.2*	1.4	7	122	16	0.12
111020	03:44:33.89	39° 26.37'	111° 13.29'	0.3*	1.6	7	120	16	0.10
111020	05:05:21.27	39° 26.43'	111° 13.48'	3.1*	1.5	7	121	16	0.13
111020	05:33:05.48	39° 25.98'	111° 13.58'	2.5*	1.7	9	86	15	0.23
111020	09:09:54.83	39° 26.30'	111° 14.11'	3.0*	1.7	9	88	16	0.15
111020	12:15:07.85	39° 25.95'	111° 13.36'	2.5*	1.3	9	85	15	0.23
111020	13:24:04.07	39° 26.40'	111° 13.35'	6.5*	1.4	5	137	16	0.13
111020	13:55:37.65	41° 45.45'	112° 23.75'	5.8	0.4	6	123	7	0.09
111020	15:37:59.80	39° 26.39'	111° 13.16'	6.7*	1.5	6	139	16	0.12
111020	16:22:01.98	39° 26.49'	111° 13.68'	2.4*	1.7	7	122	16	0.13
111020	21:10:18.37	39° 26.46'	111° 12.98'	6.0*	1.2	5	140	16	0.14
111020	22:35:22.77	39° 26.20'	111° 13.99'	2.4*	1.6	9	87	16	0.27
111021	00:22:27.12	39° 26.29'	111° 13.95'	2.6*	1.7	8	123	16	0.14
111021	01:57:42.88	39° 26.19'	111° 13.98'	2.8*	1.4	8	122	16	0.17
111021	03:25:18.09	39° 25.39'	111° 13.59'	7.0*	1.3	9	118	14	0.13



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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111021	03:46:30.53	39° 24.53'	111° 13.34'	10.4	1.3	6	162	13	0.13
111021	04:30:31.31	39° 26.28'	111° 14.10'	2.5*	1.4	9	124	16	0.18
111021	06:02:18.43	39° 26.33'	111° 14.02'	2.4*	1.3	9	123	16	0.16
111021	06:47:45.47	39° 26.47'	111° 13.56'	2.2*	1.1	7	122	16	0.12
111021	07:40:08.96	40° 52.12'	111° 39.94'	13.3	1.3	11	230	16	0.18
111021	08:38:18.22	39° 26.03'	111° 13.96'	2.4*	1.7	11	87	15	0.21
111021	10:40:22.96	40° 51.40'	111° 36.51'	12.8	0.3	8	176	19	0.13
111021	12:02:58.74	41° 37.98'	111° 42.86'	9.2	1.0	9	86	13	0.25
111021	15:43:19.67	39° 26.26'	111° 14.00'	2.5*	1.5	11	87	16	0.14
111021	18:50:34.92	39° 25.96'	111° 13.47'	2.9*	2.5	9	85	15	0.24
111021	20:37:52.83	39° 26.29'	111° 14.02'	3.0*	1.6	9	87	16	0.15
111021	21:05:01.38	39° 25.66'	111° 12.95'	3.3*	1.3	7	166	15	0.28
111022	05:14:21.24	39° 25.94'	111° 14.26'	7.1*	1.6	18	88	15	0.16
111022	08:00:15.13	39° 24.88'	111° 13.94'	7.9	1.4	9	164	13	0.18
111022	15:37:26.64	39° 26.44'	111° 12.77'	7.6*	1.2	6	142	16	0.18
111022	19:10:48.94	39° 26.31'	111° 14.23'	8.0	1.4	9	124	16	0.15
111022	21:26:20.71	39° 26.49'	111° 13.62'	3.2*	1.7	7	122	16	0.16
111023	04:16:17.67	39° 26.08'	111° 14.17'	2.1*	1.6	11	123	16	0.18
111023	04:44:02.33	41° 50.90'	111° 32.62'	9.7*	1.9W	15	131	25	0.18
111023	07:51:15.22	37° 49.11'	113° 00.36'	8.8*	0.6	13	96	26	0.20
111023	22:00:06.74	39° 25.99'	111° 14.19'	5.4*	1.5	15	123	15	0.18
111023	22:28:21.94	40° 42.18'	112° 04.57'	10.2	2.2W	30	59	7	0.17
111024	06:47:57.62	41° 32.60'	112° 15.38'	8.1	0.1	6	139	6	0.04
111024	14:41:31.82	39° 26.43'	111° 13.03'	7.0*	1.3	5	140	16	0.15
111024	18:59:14.42	37° 25.98'	113° 07.51'	1.8	1.6	10	116	9	0.21
111024	19:27:01.16	39° 26.26'	111° 14.19'	2.7*	1.7	9	124	16	0.16
111024	20:39:28.65	39° 26.22'	111° 14.32'	2.4*	1.6	8	125	16	0.21
111024	21:34:14.06	39° 26.15'	111° 14.01'	2.9*	1.6	7	87	16	0.20
111025	02:07:17.63	39° 25.24'	111° 13.62'	6.3*	1.4	7	166	14	0.13
111025	04:27:02.29	39° 18.55'	111° 11.16'	20.2	1.1	6	148	2	0.18
111025	08:01:37.16	39° 26.01'	111° 13.26'	2.5*	1.7	8	85	15	0.23
111025	10:32:11.12	39° 26.19'	111° 14.08'	3.9*	1.4	6	123	16	0.21
111025	15:17:25.19	39° 25.35'	111° 14.01'	3.4*	1.6	7	132	14	0.06
111025	18:37:07.27	39° 26.54'	111° 13.39'	3.1*	1.5	7	121	16	0.12
111025	20:37:41.33	39° 26.09'	111° 13.81'	2.5*	1.4	8	122	15	0.18
111025	21:38:08.55	39° 26.50'	111° 13.46'	3.1*	1.6	7	121	16	0.15
111025	22:52:01.17	39° 26.29'	111° 13.96'	2.3*	1.7	8	123	16	0.15
111026	00:55:36.53	39° 26.16'	111° 13.34'	4.1*	1.4	6	236	16	0.15
111026	02:14:43.77	39° 30.41'	111° 04.94'	3.1*	2.1W	14	63	18	0.21
111026	03:01:27.92	39° 26.22'	111° 14.01'	2.2*	1.4	8	122	16	0.17
111026	03:04:29.84	39° 26.14'	111° 13.75'	2.8*	1.7	8	121	16	0.17
111026	03:44:11.09	39° 26.33'	111° 14.22'	2.5*	1.5	9	88	16	0.16
111026	05:05:17.17	41° 31.37'	112° 12.51'	11.2	0.2	6	196	8	0.12
111026	06:23:20.50	39° 26.17'	111° 14.10'	2.7*	1.6	8	123	16	0.17
111026	16:20:09.35	39° 26.21'	111° 13.90'	2.5*	1.5	8	122	16	0.18

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111026	21:33:18.64	39° 25.30'	111° 13.82'	6.8*	1.6	7	166	14	0.13
111027	01:03:49.04	39° 26.37'	111° 14.53'	2.4*	1.3	9	89	16	0.21
111027	02:09:51.55	39° 25.57'	111° 13.70'	7.1*	1.6W	11	119	15	0.12
111027	05:09:01.40	39° 25.21'	111° 13.59'	7.1	1.6	7	166	14	0.13
111027	15:22:22.62	39° 26.18'	111° 13.74'	2.3*	1.5	8	121	16	0.20
111027	16:41:35.56	40° 26.54'	111° 58.05'	3.4	1.7	11	122	2	0.21
111027	17:49:13.16	39° 25.23'	111° 13.61'	7.2	1.5	7	166	14	0.13
111027	19:44:13.14	39° 26.11'	111° 13.96'	3.3*	1.6	7	122	16	0.19
111027	23:35:30.92	39° 26.30'	111° 14.07'	3.9*	1.5	8	124	16	0.16
111028	00:53:01.35	39° 26.31'	111° 13.93'	3.0*	1.3	8	123	16	0.18
111028	02:48:08.55	39° 26.36'	111° 13.92'	2.4*	1.5	10	123	16	0.15
111028	05:14:25.72	39° 26.31'	111° 14.08'	5.3*	1.6	10	124	16	0.16
111028	06:13:59.41	39° 25.85'	111° 14.28'	8.1	1.5	18	87	15	0.18
111028	06:40:04.75	39° 38.08'	110° 24.50'	0.1	0.5	5	201	5	0.35
111028	07:10:37.49	39° 26.19'	111° 14.05'	2.7*	1.7	8	123	16	0.18
111028	08:58:35.26	39° 26.29'	111° 13.97'	2.5*	1.4	8	123	16	0.15
111028	09:00:25.76	39° 26.13'	111° 13.92'	2.5*	1.4	8	122	16	0.18
111028	10:04:20.46	39° 26.22'	111° 13.88'	2.5*	1.4	8	122	16	0.18
111028	10:55:04.14	39° 26.16'	111° 13.74'	3.0*	1.5	8	121	16	0.20
111028	12:27:08.68	39° 26.43'	111° 13.83'	4.9*	1.6W	8	123	16	0.08
111028	13:08:08.18	39° 26.59'	111° 13.57'	2.3*	1.2	6	122	16	0.13
111028	13:57:26.95	39° 26.60'	111° 13.90'	4.2*	1.5	5	134	17	0.22
111028	15:33:55.33	39° 25.16'	111° 13.49'	7.9	1.4	7	164	14	0.12
111028	16:24:26.40	39° 24.11'	111° 13.51'	10.4	1.6	8	113	12	0.18
111028	16:35:21.45	39° 37.38'	110° 25.44'	2.5	0.1	5	212	7	0.80
111028	17:49:15.67	39° 25.27'	111° 13.82'	9.7	1.7	7	166	14	0.09
111028	20:27:37.09	39° 25.32'	111° 13.72'	6.4*	1.5	7	166	14	0.13
111028	23:34:22.28	39° 25.06'	111° 13.52'	8.1	1.5	7	164	14	0.13
111029	12:04:19.84	39° 26.28'	111° 13.06'	7.4*	1.3	6	139	16	0.13
111029	14:26:27.41	39° 26.17'	111° 13.89'	2.8*	1.6	8	122	16	0.18
111029	17:35:41.19	39° 25.95'	111° 14.10'	4.9*	1.3W	10	123	15	0.17
111029	19:23:38.81	39° 25.20'	111° 13.65'	7.6	1.2	7	166	14	0.13
111029	19:43:56.48	39° 26.24'	111° 13.72'	2.5*	1.4	7	121	16	0.19
111029	20:24:08.40	37° 58.27'	112° 59.48'	17.7	1.3	6	194	15	0.23
111029	20:34:08.77	39° 26.12'	111° 13.86'	0.1*	1.7	8	122	16	0.18
111029	21:58:50.74	39° 26.23'	111° 14.04'	2.4*	1.6	8	122	16	0.16
111030	14:43:39.43	39° 20.92'	111° 55.60'	6.9*	0.7	5	110	20	0.19
111031	17:38:50.83	39° 24.30'	111° 13.68'	8.6	1.2	7	161	12	0.14
111031	18:11:09.97	39° 26.61'	111° 13.44'	2.6*	1.5	6	121	16	0.15
111031	21:55:48.70	39° 26.50'	111° 13.43'	2.6*	1.4	6	121	16	0.12
111031	23:32:41.62	39° 25.59'	111° 13.46'	6.6*	1.8	5	167	15	0.13
111031	23:35:42.67	39° 26.18'	111° 14.00'	3.0*	1.5	8	122	16	0.17
111101	00:19:47.32	39° 38.58'	110° 23.80'	0.0	1.5	10	93	3	0.15
111101	00:48:33.71	39° 25.45'	111° 13.84'	7.7	1.5	11	153	14	0.15
111101	00:57:36.98	39° 26.45'	111° 13.82'	4.5*	1.3	6	238	16	0.15

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111101	01:36:25.70	39° 26.38'	111° 13.56'	4.5*	1.4	8	121	16	0.13
111101	02:11:40.87	39° 26.53'	111° 13.53'	4.1*	1.5	9	122	16	0.14
111101	02:38:43.91	39° 26.37'	111° 13.63'	2.4*	1.6	8	121	16	0.17
111101	03:29:29.61	39° 26.48'	111° 13.01'	9.2	1.7	8	119	16	0.13
111101	04:37:57.98	39° 26.26'	111° 12.02'	10.1	1.6	6	147	16	0.12
111101	04:41:19.01	39° 26.43'	111° 13.27'	5.4*	1.5	7	120	16	0.14
111101	06:13:26.48	39° 26.31'	111° 13.95'	2.6*	1.5	11	123	16	0.16
111101	08:45:35.43	39° 26.44'	111° 13.41'	2.6*	1.4	7	120	16	0.15
111101	11:55:39.95	39° 03.18'	111° 53.43'	10.9	0.9	10	86	20	0.14
111101	15:09:55.16	41° 54.16'	112° 25.09'	1.9	1.0	11	98	8	0.18
111101	19:58:10.38	39° 25.89'	111° 14.62'	8.9	1.5	9	124	15	0.25
111101	20:39:03.24	39° 26.28'	111° 13.22'	3.1*	1.3	8	120	16	0.20
111101	20:45:28.71	39° 26.38'	111° 13.20'	6.7*	1.6	5	138	16	0.13
111101	21:48:45.45	39° 26.34'	111° 14.20'	3.2*	1.8	7	124	16	0.17
111102	00:34:20.10	39° 26.72'	111° 14.05'	3.1*	1.3	8	125	17	0.19
111102	01:44:00.50	39° 39.31'	110° 23.50'	1.6	1.4	9	132	2	0.27
111102	01:50:54.01	39° 26.37'	111° 13.91'	4.9*	1.6	12	101	16	0.17
111102	05:59:52.75	39° 26.33'	111° 14.46'	2.2*	1.9	11	89	16	0.17
111102	07:07:46.05	39° 35.55'	110° 21.89'	2.2	1.9	10	125	8	0.27
111102	07:32:18.37	39° 26.07'	111° 13.94'	0.2*	1.4	10	122	15	0.21
111102	09:55:21.98	39° 39.13'	111° 56.51'	2.9*	0.9	7	90	20	0.16
111102	11:32:29.03	39° 26.48'	111° 13.76'	3.1*	1.5	8	123	16	0.10
111102	19:22:15.62	39° 23.43'	111° 57.15'	2.2*	1.1	8	135	18	0.27
111102	21:51:32.26	39° 38.04'	110° 24.29'	0.2	0.4	5	201	5	0.27
111102	22:02:29.73	39° 25.98'	111° 13.45'	5.6*	1.3	8	119	15	0.23
111102	23:45:22.55	39° 25.68'	111° 12.96'	2.5*	1.5	7	166	15	0.19
111102	23:52:35.81	39° 26.15'	111° 14.21'	2.5*	1.4	8	123	16	0.17
111103	00:15:00.76	39° 24.71'	111° 13.16'	10.1	1.2	6	162	13	0.13
111103	02:57:00.28	39° 26.17'	111° 13.87'	2.3*	1.3	8	122	16	0.18
111103	05:23:25.03	39° 26.22'	111° 13.79'	1.8*	1.6	8	122	16	0.16
111103	12:52:33.55	39° 26.10'	111° 13.86'	3.9*	1.7	6	122	18	0.14
111103	15:12:16.57	39° 09.07'	110° 50.97'	15.0	1.6W	9	101	28	0.10
111104	01:18:41.38	39° 26.48'	111° 13.46'	3.9*	1.5	8	122	16	0.15
111104	07:00:18.17	39° 25.96'	111° 14.14'	6.5*	1.6	14	123	15	0.19
111104	11:56:58.00	39° 26.31'	111° 13.19'	3.3*	1.4	9	85	18	0.25
111104	19:38:23.08	40° 23.49'	111° 57.55'	1.3	2.1W	19	106	7	0.31
111105	04:42:01.57	41° 18.73'	111° 45.85'	14.9	0.4	13	74	22	0.15
111105	08:33:05.81	37° 55.06'	113° 21.37'	5.7*	1.2	6	209	16	0.19
111105	08:34:48.47	42° 22.91'	111° 23.22'	2.1*	2.3W	17	102	44	0.27
111105	11:18:31.19	38° 13.55'	112° 15.85'	0.6*	2.0	11	97	46	0.29
111105	12:44:36.63	39° 26.21'	111° 14.14'	4.1*	1.6	13	102	16	0.14
111105	12:45:48.21	39° 38.53'	110° 22.03'	1.8	0.7	5	235	2	0.20
111105	14:58:26.29	39° 26.22'	111° 12.77'	10.0	1.6	6	141	16	0.10
111105	15:16:42.97	39° 37.89'	111° 56.70'	3.0*	1.0	9	128	18	0.28
111105	16:34:17.59	39° 26.55'	111° 13.48'	9.2	1.5	7	137	16	0.14

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111105	17:13:54.59	39° 27.42'	111° 13.86'	5.0*	1.8	6	242	18	0.17
111105	17:50:14.30	39° 26.40'	111° 13.96'	2.6*	1.5	9	123	16	0.15
111105	23:54:35.74	39° 26.02'	111° 14.05'	5.8*	1.4W	16	100	15	0.17
111106	03:18:22.27	37° 48.46'	112° 29.14'	3.5*	1.0	11	154	37	0.22
111106	03:52:52.77	37° 49.22'	112° 29.98'	2.6*	1.7	15	132	37	0.15
111106	04:39:20.82	39° 26.25'	111° 14.36'	2.4*	1.6	11	125	16	0.16
111106	12:20:28.15	39° 26.09'	111° 14.90'	5.7*	1.5	15	90	16	0.15
111106	16:41:41.52	40° 00.24'	111° 49.14'	7.2	1.1	16	97	8	0.12
111106	16:58:19.96	39° 38.74'	110° 23.74'	0.1	1.5	8	121	3	0.15
111106	22:21:10.72	37° 09.32'	113° 32.73'	5.5*	1.4	11	148	31	0.13
111107	10:27:59.90	39° 26.26'	111° 13.66'	4.1*	1.6	9	121	16	0.18
111107	15:46:51.51	39° 26.39'	111° 13.66'	6.3*	1.6	9	121	16	0.17
111107	17:30:16.12	39° 26.52'	111° 13.51'	6.7*	1.5	7	122	16	0.15
111107	18:33:15.27	39° 25.63'	111° 13.62'	7.6	1.3	8	153	15	0.16
111107	18:39:12.89	39° 26.82'	111° 13.22'	3.8*	1.5	7	239	17	0.22
111107	22:06:05.68	39° 24.40'	111° 13.03'	12.3	1.0	5	160	12	0.05
111107	23:56:28.89	39° 23.47'	111° 13.70'	9.5	1.5	7	175	11	0.17
111108	00:13:18.69	39° 26.21'	111° 13.81'	2.5*	1.2	8	122	16	0.17
111108	00:44:06.32	39° 26.20'	111° 13.87'	3.0*	1.5	8	122	16	0.16
111108	01:18:44.06	39° 25.25'	111° 13.50'	6.6*	1.4	7	166	14	0.13
111108	01:36:39.35	39° 26.27'	111° 12.76'	3.0*	1.3	8	117	16	0.29
111108	01:56:59.73	39° 26.06'	111° 13.36'	5.1*	1.5	6	236	15	0.12
111108	02:33:04.45	39° 26.15'	111° 13.80'	2.4*	1.5	7	122	16	0.19
111108	02:41:46.50	39° 16.18'	111° 36.89'	6.0	1.3	5	132	9	0.00
111108	04:03:30.85	39° 26.26'	111° 13.65'	2.5*	1.4	7	121	16	0.18
111108	05:24:12.31	39° 26.33'	111° 13.75'	2.3*	1.4	8	122	16	0.15
111108	07:32:40.30	39° 26.18'	111° 13.79'	2.5*	1.4	8	122	16	0.18
111108	09:28:42.02	39° 26.34'	111° 13.79'	2.3*	1.2	8	122	16	0.16
111108	12:36:18.40	39° 26.25'	111° 13.87'	2.7*	1.4	8	122	16	0.18
111108	15:08:44.43	39° 26.30'	111° 13.76'	2.5*	1.7	8	122	16	0.16
111108	16:54:01.52	39° 26.51'	111° 13.39'	2.7*	1.7	7	121	16	0.13
111108	19:15:25.69	39° 26.27'	111° 13.46'	10.7	1.6	6	120	16	0.12
111108	19:33:16.76	39° 26.00'	111° 14.26'	2.4*	1.4	8	123	15	0.26
111108	19:49:05.59	39° 26.43'	111° 13.14'	5.7*	1.5	7	119	16	0.12
111108	21:08:58.46	39° 25.23'	111° 13.58'	7.1	1.2	6	166	14	0.14
111108	21:16:31.80	39° 26.02'	111° 14.44'	2.9*	1.1	6	124	16	0.32
111108	22:26:04.42	39° 23.05'	111° 12.92'	13.7	1.6	7	171	10	0.10
111108	22:26:40.01	38° 10.86'	110° 49.19'	6.9*	2.0W	7	106	28	0.17
111108	23:25:18.22	39° 25.78'	111° 13.74'	8.6	1.5	6	120	15	0.07
111108	23:29:44.07	39° 26.44'	111° 14.01'	3.2*	1.1	6	123	16	0.15
111109	01:13:06.75	38° 59.49'	111° 22.23'	5.5*	1.4W	10	76	19	0.19
111109	01:40:48.90	39° 23.48'	111° 13.66'	10.7	1.8	7	175	11	0.15
111109	02:33:24.31	39° 26.26'	111° 13.76'	2.5*	1.3	8	122	16	0.18
111109	02:58:31.19	39° 26.31'	111° 13.79'	2.5*	1.6	8	122	16	0.16
111109	03:05:59.05	39° 26.68'	111° 14.12'	4.9*	1.2	7	125	17	0.15

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111109	03:22:20.00	39° 25.24'	111° 13.68'	8.9	1.4	6	166	14	0.08
111109	04:42:59.87	39° 38.47'	110° 23.65'	1.7	1.5W	6	126	3	0.38
111109	05:33:05.84	39° 26.39'	111° 13.86'	1.6*	1.3	8	123	16	0.16
111109	06:26:35.66	39° 26.35'	111° 13.74'	2.6*	1.4	8	121	16	0.16
111109	06:53:31.99	40° 55.33'	111° 30.74'	1.6	0.7	7	96	8	0.31
111109	07:05:04.46	39° 26.38'	111° 13.88'	2.5*	1.5	7	123	16	0.14
111109	07:33:59.39	39° 26.43'	111° 13.99'	2.7*	1.4	7	123	16	0.14
111109	09:18:45.27	39° 26.57'	111° 13.00'	8.7	1.5	5	140	16	0.02
111109	13:49:09.19	40° 27.77'	111° 57.68'	0.2	1.2W	9	96	1	0.28
111109	15:34:59.61	39° 38.66'	110° 23.62'	1.7	1.6W	10	93	3	0.33
111109	16:18:46.09	39° 26.38'	111° 14.07'	2.5*	1.4	8	124	16	0.22
111109	17:09:24.50	39° 24.95'	111° 13.31'	8.3	1.5	7	181	13	0.12
111110	01:55:46.24	39° 25.30'	111° 13.70'	7.0*	1.5	7	166	14	0.13
111110	04:27:45.45	39° 18.15'	111° 09.07'	5.6	3.9W	30	55	5	0.23
111110	07:19:53.96	39° 26.18'	111° 13.83'	2.9*	1.7	8	122	16	0.15
111110	07:24:44.72	39° 38.35'	110° 22.13'	1.6	1.5	7	185	3	0.30
111110	09:33:09.18	41° 59.08'	111° 48.44'	7.5	1.2	8	88	15	0.19
111110	15:52:23.18	39° 25.36'	111° 13.57'	5.7*	1.3	7	166	14	0.13
111110	23:56:30.86	39° 25.34'	111° 13.92'	7.2	1.6	7	183	14	0.12
111111	01:34:59.37	39° 25.15'	111° 13.50'	7.5	1.2	7	164	14	0.12
111111	05:00:06.95	39° 26.21'	111° 13.81'	2.3*	1.3	8	122	16	0.15
111111	11:35:47.91	39° 38.43'	110° 23.15'	2.2	1.5	7	154	3	0.37
111111	13:35:28.69	39° 38.66'	110° 22.77'	1.6	1.7	8	159	2	0.31
111111	20:16:30.17	39° 26.19'	111° 14.84'	7.3*	1.5	9	126	16	0.16
111112	05:15:11.43	39° 13.53'	110° 27.27'	12.9	3.2W	28	111	14	0.26
111112	18:04:14.43	39° 38.37'	110° 23.69'	0.0	1.5W	10	145	3	0.13
111112	18:47:11.55	39° 38.43'	110° 23.53'	0.1	1.6	10	146	3	0.16
111112	19:55:56.06	39° 26.28'	111° 14.18'	2.8*	1.5	7	124	16	0.21
111112	21:00:51.43	40° 43.79'	111° 46.13'	0.7	0.9	8	149	5	0.19
111113	14:13:20.64	39° 38.57'	110° 22.82'	1.6	1.5	12	160	3	0.33
111113	20:52:09.48	39° 26.10'	111° 13.43'	6.8*	1.6	7	199	15	0.15
111113	22:51:48.26	39° 26.35'	111° 13.41'	5.2*	0.9	5	137	16	0.09
111113	23:06:05.92	39° 26.65'	111° 13.53'	2.6*	1.6	7	122	17	0.13
111114	15:32:45.91	38° 59.26'	111° 22.42'	4.7*	1.8	9	62	19	0.11
111114	19:43:37.99	39° 25.19'	111° 13.50'	9.2	1.7	6	164	14	0.08
111114	23:33:25.08	38° 59.91'	111° 22.29'	9.9	1.3W	8	120	20	0.23
111115	00:30:44.38	39° 26.15'	111° 14.31'	2.5*	1.7	9	124	16	0.17
111115	01:43:55.90	39° 26.48'	111° 13.47'	2.7*	1.0	7	122	16	0.12
111115	02:21:41.78	39° 26.37'	111° 13.95'	2.5*	1.5	7	123	16	0.22
111115	02:33:41.51	39° 30.40'	111° 05.14'	5.6*	1.4	6	152	22	0.03
111115	11:22:54.16	38° 50.03'	111° 26.80'	13.2	0.6	5	188	6	0.08
111115	13:14:30.02	38° 49.99'	111° 26.85'	13.2	0.8	5	187	6	0.08
111115	13:51:33.35	38° 59.58'	111° 22.38'	3.3*	1.4	7	121	19	0.18
111115	15:58:40.37	39° 26.69'	111° 13.36'	4.8*	1.2	5	239	17	0.05
111115	16:01:53.68	39° 26.20'	111° 14.34'	2.7*	1.5	8	125	16	0.16

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111115	16:24:21.27	39° 25.12'	111° 13.44'	7.7	1.3	7	164	14	0.13
111115	20:30:08.80	38° 34.53'	112° 36.06'	6.3*	1.0	6	112	14	0.17
111116	01:37:51.71	39° 25.27'	111° 13.76'	9.8	1.5	6	166	14	0.06
111116	05:26:22.53	39° 38.44'	110° 23.74'	1.7	1.5	7	95	3	0.35
111116	13:51:00.36	39° 37.78'	110° 24.07'	1.6	0.7	6	108	2	0.34
111116	15:44:11.70	39° 25.33'	111° 13.60'	6.0*	1.5	7	166	14	0.13
111116	16:48:54.27	39° 25.26'	111° 13.44'	6.6*	1.2	7	166	14	0.12
111116	17:02:08.82	39° 38.35'	110° 24.07'	1.7	1.7	7	100	3	0.38
111116	21:21:35.97	39° 37.79'	110° 24.21'	1.6	0.9	6	102	2	0.37
111116	21:26:30.72	38° 19.46'	113° 14.65'	1.2*	1.5	8	159	33	0.09
111117	00:42:00.79	38° 20.50'	113° 13.91'	0.4*	1.3	8	159	33	0.22
111117	05:41:20.59	39° 37.78'	110° 23.60'	1.6	1.5	7	124	2	0.36
111117	06:43:07.86	39° 26.19'	111° 13.77'	2.5*	1.7	8	122	16	0.18
111117	07:29:21.59	39° 11.91'	111° 51.03'	5.7*	1.3	9	87	18	0.19
111117	10:28:40.24	39° 38.37'	110° 24.07'	1.6	1.5	7	100	3	0.37
111117	11:18:29.15	39° 26.21'	111° 13.82'	2.4*	1.5	8	122	16	0.18
111117	16:08:54.51	39° 25.29'	111° 13.52'	6.8*	1.2	7	166	14	0.13
111117	17:37:03.85	38° 20.22'	113° 15.22'	7.0*	0.9	5	179	34	0.04
111117	18:08:48.84	39° 38.68'	110° 24.27'	0.0	1.7	8	92	4	0.20
111117	21:20:45.90	39° 24.62'	111° 13.19'	8.8	1.7	5	162	15	0.03
111117	22:16:41.38	38° 20.09'	113° 14.82'	5.2*	1.1	5	177	34	0.17
111118	01:13:45.45	39° 25.98'	111° 13.81'	8.0	1.7	9	121	15	0.17
111118	04:42:09.10	39° 31.19'	111° 57.14'	1.7*	1.3	19	68	12	0.26
111118	04:43:15.03	39° 00.36'	111° 21.31'	8.2*	1.1	13	55	19	0.25
111118	05:04:14.21	39° 16.03'	111° 46.75'	8.9	2.3W	31	71	15	0.26
111118	05:20:39.30	38° 06.59'	112° 33.85'	1.7*	1.8	18	60	34	0.31
111118	08:18:56.22	39° 14.37'	110° 28.37'	5.5*	2.0W	23	103	15	0.21
111118	08:20:06.89	39° 38.11'	110° 22.93'	1.6	1.3	8	129	3	0.33
111118	08:22:18.17	39° 38.39'	110° 24.50'	3.0	0.4	6	112	3	0.49
111118	08:32:10.20	39° 26.25'	111° 14.11'	4.2*	1.5	10	124	16	0.16
111118	09:51:32.90	39° 25.75'	111° 13.82'	7.7	1.6	11	155	15	0.15
111118	11:26:48.69	39° 38.56'	110° 24.17'	2.2	1.3	8	91	3	0.48
111118	21:25:25.86	39° 38.57'	110° 24.37'	2.0	0.9	5	147	3	0.60
111118	21:25:24.68	39° 26.46'	111° 12.99'	6.3*	1.5	6	119	16	0.13
111118	21:34:00.15	39° 38.49'	110° 24.10'	0.2	1.5	6	101	3	0.15
111119	01:56:52.60	38° 21.02'	113° 16.82'	3.9*	2.8W	11	89	33	0.24
111119	07:45:47.21	39° 37.80'	110° 24.23'	1.6	1.0	6	103	2	0.37
111119	08:56:22.66	39° 38.51'	110° 23.89'	1.6	1.4	7	95	3	0.39
111119	16:13:05.64	39° 26.58'	111° 12.90'	9.5	1.7	5	142	16	0.06
111119	17:27:56.14	39° 26.65'	111° 13.49'	5.9*	1.5	7	122	17	0.10
111119	18:55:06.67	39° 26.20'	111° 13.75'	2.4*	1.7	8	121	16	0.17
111119	23:59:52.14	39° 26.66'	111° 13.38'	4.8*	1.3	5	239	17	0.07
111120	07:36:27.18	39° 39.05'	110° 24.24'	1.8	1.4W	8	142	4	0.31
111120	15:00:30.16	39° 38.29'	110° 23.48'	1.7	1.5W	8	96	3	0.38
111120	17:07:11.66	38° 59.21'	111° 22.70'	11.8	1.4W	11	123	19	0.19

**Table 2. Earthquakes in the Utah Region: October 1–December 31, 2011**

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111120	18:32:51.41	37° 25.72'	113° 13.53'	4.5*	3.0W	17	75	12	0.25
111120	21:10:20.88	39° 37.81'	110° 24.14'	1.6	0.7	6	104	2	0.36
111121	13:31:47.54	39° 00.01'	111° 21.96'	14.0	1.7	9	58	19	0.20
111121	20:14:32.60	39° 38.43'	110° 23.85'	1.7	1.5W	9	94	3	0.42
111122	01:07:36.33	39° 31.34'	111° 06.32'	5.3*	1.8W	11	79	23	0.04
111122	05:31:44.90	38° 59.41'	111° 22.74'	9.4*	1.2W	8	81	20	0.14
111122	10:39:51.66	38° 59.68'	111° 22.40'	9.8	1.7	8	80	19	0.22
111122	12:18:30.65	39° 00.14'	111° 21.89'	10.5	1.6	7	118	19	0.28
111122	15:31:49.62	38° 59.46'	111° 22.60'	8.8*	1.6W	8	80	20	0.13
111122	22:30:15.16	39° 37.83'	110° 24.10'	1.6	1.5	6	106	2	0.36
111123	01:01:57.08	38° 12.97'	112° 15.90'	3.3*	2.0W	9	81	21	0.24
111123	02:41:31.92	39° 25.40'	111° 13.74'	5.8*	1.5	7	166	14	0.12
111123	05:20:50.61	36° 52.40'	112° 48.30'	2.5*	2.3W	10	236	16	0.13
111123	06:42:21.39	39° 00.18'	111° 21.89'	8.8*	1.6	7	118	19	0.28
111123	08:53:37.99	39° 38.39'	110° 23.41'	1.7	1.6	7	95	3	0.32
111123	09:13:39.50	39° 30.92'	111° 24.14'	8.2*	0.9	10	72	22	0.10
111123	12:44:58.04	36° 54.07'	112° 48.55'	6.4*	2.1	10	233	13	0.20
111123	15:56:14.24	39° 26.26'	111° 14.09'	2.4*	1.3	10	124	16	0.15
111123	16:07:34.55	39° 00.03'	111° 21.93'	5.7*	2.2W	21	45	19	0.13
111123	18:31:31.25	39° 42.04'	111° 15.11'	14.6*	1.2	11	185	39	0.15
111123	20:39:58.81	39° 26.25'	111° 13.90'	4.5*	1.8	11	122	16	0.18
111123	20:40:47.35	39° 38.23'	110° 23.79'	2.2	0.7	5	106	3	0.41
111124	05:51:09.23	39° 30.62'	111° 25.05'	1.6*	2.3W	29	45	23	0.19
111124	15:07:52.88	38° 59.71'	111° 22.72'	10.0	1.8	16	59	20	0.19
111124	17:02:56.59	41° 49.56'	111° 35.43'	7.1*	0.8	9	90	15	0.14
111124	17:25:40.85	38° 59.95'	111° 22.07'	3.3*	1.6	7	119	19	0.20
111124	20:54:28.66	38° 59.77'	111° 22.42'	0.9*	2.0	15	122	20	0.19
111125	00:05:17.57	39° 53.66'	111° 10.16'	5.8*	2.2W	30	101	28	0.16
111125	03:43:57.78	38° 59.40'	111° 22.70'	8.6*	2.1	9	80	20	0.17
111125	21:48:48.41	39° 00.19'	111° 20.89'	15.1	1.0	7	102	18	0.18
111126	01:34:44.46	38° 59.87'	111° 22.17'	6.7*	1.8W	15	59	19	0.14
111126	03:36:20.50	39° 51.93'	111° 07.47'	12.2*	1.5	8	252	27	0.08
111126	09:01:01.67	39° 38.34'	110° 23.23'	1.6	1.6	9	95	3	0.33
111126	23:37:37.47	40° 53.20'	111° 43.10'	8.4	0.4	17	123	14	0.19
111127	08:41:50.23	39° 38.57'	110° 23.69'	0.0	1.6	12	102	3	0.18
111127	20:09:40.21	37° 39.15'	112° 16.75'	0.6*	2.3W	15	132	23	0.21
111128	00:43:32.09	39° 00.11'	111° 21.16'	11.5	1.7	8	115	18	0.10
111128	00:59:43.61	39° 38.60'	110° 23.79'	0.0	1.4	15	92	3	0.19
111128	01:04:43.54	37° 39.37'	112° 17.03'	2.4*	1.8W	15	109	24	0.17
111128	05:26:26.48	36° 58.32'	113° 55.73'	2.9*	1.3	10	274	20	0.20
111128	06:16:53.49	39° 38.54'	110° 24.71'	3.9	0.2	6	117	3	0.60
111128	07:02:36.85	40° 43.17'	112° 04.01'	8.3	2.1W	36	58	9	0.19
111128	07:05:30.13	40° 43.23'	112° 03.61'	6.7	0.1	10	95	9	0.13
111128	07:22:34.69	39° 38.28'	110° 23.24'	1.4	0.9	9	96	3	0.34
111128	08:24:29.64	39° 37.75'	110° 23.48'	1.6	1.8	5	129	2	0.27

**Table 2. Earthquakes in the Utah Region: October 1–December 31, 2011**

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111128	09:49:56.99	39° 38.63'	110° 23.66'	0.0	1.9W	20	93	3	0.24
111128	23:21:38.90	38° 59.30'	111° 22.55'	5.8*	1.5W	15	78	19	0.19
111129	08:41:41.54	39° 38.45'	110° 24.26'	0.1	1.9	11	90	3	0.20
111129	11:19:11.78	38° 59.67'	111° 22.79'	7.3*	1.8W	13	78	20	0.15
111129	11:42:46.52	38° 59.66'	111° 22.92'	1.3*	2.8W	22	78	20	0.10
111129	12:49:18.16	38° 59.86'	111° 22.21'	8.5*	1.4W	9	76	19	0.16
111129	17:56:13.31	39° 26.25'	111° 12.91'	9.4	1.5	5	141	16	0.13
111129	20:39:51.11	39° 38.15'	110° 23.98'	1.6	1.1	7	96	3	0.39
111129	21:40:50.29	38° 59.71'	111° 22.52'	3.6*	2.3W	18	74	20	0.17
111129	22:12:31.95	38° 59.66'	111° 22.20'	3.0*	1.5W	11	76	19	0.10
111129	22:51:29.24	39° 38.67'	110° 23.89'	0.0	1.5W	13	92	3	0.19
111129	23:38:00.50	38° 59.72'	111° 22.25'	2.8*	1.5W	11	76	19	0.14
111129	23:54:54.69	38° 59.48'	111° 21.83'	5.2*	1.2W	9	60	19	0.12
111130	01:36:45.68	38° 59.68'	111° 22.49'	1.3*	2.0W	23	57	20	0.15
111130	10:44:39.52	39° 38.40'	110° 23.21'	1.6	1.7	12	95	3	0.39
111130	11:07:28.03	39° 05.06'	110° 59.77'	17.8	1.3	16	109	24	0.15
111130	16:26:41.99	41° 32.07'	112° 25.96'	3.8*	2.1W	23	129	17	0.19
111130	19:01:14.18	39° 26.35'	111° 13.20'	0.4*	1.4	7	237	16	0.11
111130	22:34:54.80	39° 38.35'	110° 24.17'	2.1	1.1	7	103	3	0.44
111201	00:12:45.69	39° 25.14'	111° 13.56'	7.7	1.2	6	164	14	0.14
111201	01:30:33.32	39° 25.06'	111° 13.25'	8.0	1.1	7	164	14	0.13
111201	02:56:43.06	38° 59.55'	111° 20.90'	7.8*	1.7	6	114	17	0.26
111201	08:00:05.27	42° 28.33'	111° 11.43'	6.4*	3.0W	14	127	33	0.23
111202	01:36:51.52	38° 59.45'	111° 22.65'	5.8*	2.2W	13	77	20	0.12
111202	01:46:38.46	39° 00.02'	111° 21.97'	10.3	1.7	7	118	19	0.19
111202	07:33:07.41	39° 37.66'	110° 24.23'	1.6	1.4	6	104	2	0.36
111202	16:09:21.14	38° 59.80'	111° 22.02'	11.5	1.7	7	119	19	0.27
111202	17:40:10.83	39° 37.84'	110° 24.10'	1.6	1.5W	6	106	2	0.37
111203	01:09:51.57	41° 40.58'	112° 25.90'	2.6	0.7	8	170	4	0.18
111203	10:30:38.07	39° 00.14'	111° 22.82'	6.4*	2.5W	18	94	25	0.10
111203	14:25:22.72	40° 27.75'	111° 13.93'	1.6	1.4	10	139	6	0.29
111203	16:51:43.63	38° 59.95'	111° 23.65'	1.6*	2.1W	12	109	25	0.22
111203	17:13:01.68	38° 59.25'	111° 22.37'	21.3	1.4	5	148	24	0.11
111203	17:22:05.35	39° 00.51'	111° 23.13'	21.4	1.7	7	124	26	0.11
111203	20:51:44.06	38° 59.35'	111° 22.91'	12.6	1.8W	12	95	24	0.10
111203	23:42:11.52	39° 25.33'	111° 56.12'	13.0	0.7	7	117	14	0.19
111204	00:51:30.79	39° 38.48'	110° 24.21'	1.7	1.5	7	101	3	0.44
111204	01:27:03.56	39° 00.29'	111° 21.68'	7.0*	1.5	7	117	26	0.14
111204	02:34:03.80	41° 32.44'	112° 25.51'	2.5*	1.3	11	127	16	0.26
111204	07:27:54.66	41° 48.71'	112° 19.52'	2.3*	0.6	9	95	13	0.23
111204	09:25:56.91	38° 59.90'	111° 21.16'	10.0	1.5	7	142	18	0.23
111204	15:55:56.22	40° 37.54'	111° 34.62'	2.4*	0.4	9	146	11	0.21
111204	16:16:12.23	38° 04.33'	111° 18.00'	2.3*	1.5	7	160	51	0.15
111204	16:37:32.17	40° 38.44'	111° 35.00'	2.4*	0.5	12	130	12	0.27
111205	04:43:17.83	39° 38.56'	110° 23.09'	1.6	1.3W	8	93	3	0.31



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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111205	14:42:14.77	38° 59.76'	111° 23.27'	10.0*	1.6W	10	126	24	0.10
111205	19:43:50.19	38° 59.95'	111° 22.63'	5.3*	1.6W	11	95	25	0.10
111205	21:12:18.87	38° 59.67'	111° 23.32'	20.0	1.6	6	126	24	0.07
111205	21:13:03.84	39° 36.39'	110° 24.79'	1.5	0.5	5	223	1	0.02
111205	21:47:33.79	37° 55.28'	112° 21.67'	3.0*	2.0W	14	86	21	0.17
111205	22:00:10.88	37° 55.28'	112° 21.24'	2.3*	1.7	15	104	20	0.26
111205	22:01:34.22	39° 37.76'	110° 23.73'	1.6	0.8	5	121	2	0.33
111205	23:19:36.81	37° 55.16'	112° 21.37'	3.0*	2.1W	12	87	20	0.16
111206	02:21:53.91	39° 24.04'	110° 36.12'	1.4*	2.0W	22	79	14	0.24
111206	04:18:45.03	39° 23.69'	110° 35.07'	3.0*	1.8W	18	123	16	0.17
111206	06:25:00.92	39° 26.08'	111° 13.73'	5.6*	1.6	11	86	15	0.16
111206	07:27:25.39	38° 59.24'	111° 22.74'	6.9*	0.8	6	138	32	0.07
111206	11:28:56.17	38° 59.83'	111° 22.10'	6.9*	1.8	7	96	25	0.13
111206	13:31:16.42	41° 59.58'	111° 56.46'	1.0*	1.7	17	64	16	0.30
111207	01:39:35.70	39° 26.22'	111° 13.64'	2.2*	1.5	8	121	16	0.17
111207	09:19:34.80	39° 38.37'	110° 23.71'	1.7	1.7	8	95	3	0.38
111207	10:50:01.18	39° 41.09'	111° 14.19'	1.7	1.6	10	132	6	0.22
111207	11:12:48.25	39° 26.18'	111° 13.96'	2.3*	1.5	8	122	16	0.17
111207	14:22:55.96	39° 38.58'	110° 23.66'	1.6	1.5W	8	93	3	0.37
111207	16:38:25.84	39° 38.13'	110° 31.07'	2.2	0.6	6	215	9	0.14
111207	23:34:41.30	39° 25.93'	111° 13.72'	2.5*	1.6	10	120	15	0.12
111208	04:25:39.32	41° 41.28'	111° 40.16'	13.7	0.3	6	102	26	0.15
111208	06:16:04.42	38° 59.98'	111° 22.68'	15.5	1.6	6	122	25	0.05
111208	12:14:27.87	39° 38.17'	110° 22.98'	2.2	0.9	7	163	3	0.38
111208	15:32:47.55	38° 59.16'	111° 22.58'	3.7*	2.1	9	96	23	0.12
111208	16:44:29.91	39° 26.20'	111° 12.99'	10.3	1.6	6	139	16	0.10
111208	17:36:05.36	38° 59.58'	111° 22.81'	3.1*	1.7	8	81	20	0.12
111208	18:54:16.87	36° 53.29'	112° 48.52'	5.3*	2.2W	14	233	14	0.18
111208	20:34:42.55	39° 38.61'	110° 22.22'	1.6	1.8	10	180	2	0.32
111208	22:10:43.47	36° 54.01'	112° 48.03'	4.7*	1.8	12	234	13	0.21
111208	23:25:38.59	39° 25.99'	111° 13.77'	3.9*	1.4W	13	86	15	0.19
111209	02:09:20.86	39° 14.47'	110° 29.01'	8.3	1.3	12	182	15	0.13
111209	02:57:30.92	38° 59.62'	111° 22.83'	5.4*	2.5W	22	40	20	0.15
111209	04:08:48.58	38° 59.63'	111° 22.60'	5.5*	1.7W	18	45	20	0.12
111209	05:33:49.66	38° 59.67'	111° 22.04'	5.8*	1.3W	11	59	19	0.18
111209	06:33:30.80	38° 59.34'	111° 22.88'	7.6*	1.8W	13	70	20	0.14
111209	06:39:56.55	39° 00.04'	111° 22.03'	9.2*	1.2W	8	119	19	0.22
111209	08:16:41.25	38° 59.74'	111° 22.48'	8.5*	1.5W	12	77	20	0.13
111209	10:03:00.90	38° 59.74'	111° 22.55'	8.2*	1.7	9	122	20	0.13
111209	12:44:18.70	39° 00.01'	111° 22.22'	9.0*	1.7	8	120	20	0.26
111209	13:33:32.98	41° 53.78'	112° 22.66'	5.9	0.8	9	88	6	0.17
111209	16:29:27.97	38° 59.89'	111° 22.24'	8.9*	1.7	9	120	19	0.20
111209	16:38:02.59	38° 59.51'	111° 22.65'	7.0*	1.9W	11	77	20	0.13
111209	22:18:28.92	38° 59.96'	111° 22.00'	10.1	1.5	9	76	19	0.22
111210	03:46:56.92	41° 44.47'	112° 38.88'	7.5	1.1	18	93	11	0.17

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DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111210	05:51:34.51	39° 38.43'	110° 23.76'	0.1	1.5	12	95	3	0.21
111210	11:27:54.33	38° 59.63'	111° 22.44'	10.0	1.4	9	80	19	0.14
111210	13:46:19.37	38° 59.78'	111° 22.37'	11.8	1.6	12	59	20	0.15
111210	14:38:33.96	38° 59.63'	111° 23.13'	10.9*	1.8	13	95	24	0.10
111210	15:44:34.43	38° 59.76'	111° 23.10'	2.3*	1.8	15	70	20	0.15
111210	16:45:42.67	38° 59.40'	111° 23.32'	2.0*	2.9W	20	63	20	0.24
111210	17:36:02.50	38° 59.84'	111° 23.07'	2.3*	2.2	14	95	24	0.14
111210	19:42:19.40	39° 42.20'	111° 57.84'	3.9*	1.3	10	135	25	0.23
111210	20:07:59.27	39° 00.01'	111° 22.75'	7.1*	2.1W	22	43	20	0.14
111211	05:01:56.87	38° 59.50'	111° 21.15'	12.8	1.6	7	98	18	0.10
111211	16:08:42.22	39° 32.16'	112° 01.70'	2.2*	0.9	11	140	19	0.24
111211	21:34:29.03	38° 59.80'	111° 51.08'	4.3*	1.2	6	108	21	0.12
111211	22:24:37.46	39° 38.18'	110° 23.30'	1.4	1.7	11	97	3	0.32
111212	03:41:44.91	38° 59.88'	111° 22.44'	6.1*	1.8	18	38	20	0.17
111212	05:14:55.14	39° 38.51'	110° 23.82'	0.1	1.6	14	93	3	0.21
111212	09:31:53.28	41° 33.42'	112° 11.14'	7.9	1.2	14	107	6	0.17
111212	09:44:38.13	36° 47.72'	112° 59.89'	7.6*	1.7	14	184	29	0.45
111212	18:08:53.84	39° 26.06'	111° 13.54'	3.0*	1.6	11	93	18	0.15
111212	22:46:45.12	39° 35.24'	110° 25.28'	1.0	0.4	5	238	3	0.06
111213	00:58:46.60	39° 42.13'	111° 15.03'	2.2	1.6	10	138	8	0.33
111213	01:43:08.60	38° 59.60'	111° 22.63'	7.6*	2.0W	11	77	20	0.13
111213	12:41:29.01	39° 38.32'	110° 24.34'	1.5	1.8W	9	90	3	0.36
111213	15:04:59.13	39° 00.13'	111° 23.33'	12.0*	1.6	8	94	25	0.18
111213	17:37:36.40	41° 42.29'	111° 44.36'	9.5*	1.0	10	67	21	0.20
111213	18:55:36.91	38° 26.37'	111° 38.88'	3.9*	2.0W	9	126	41	0.13
111213	18:57:29.27	38° 26.36'	111° 39.39'	2.8*	1.6	6	130	42	0.11
111213	19:07:50.91	38° 25.86'	111° 40.19'	2.3*	1.5W	9	77	42	0.19
111213	19:11:52.51	38° 25.60'	111° 39.59'	2.7*	1.4	5	128	41	0.05
111213	19:17:05.23	39° 26.58'	111° 13.79'	2.9*	1.2	5	123	16	0.18
111213	20:58:49.18	38° 25.62'	111° 40.14'	2.6*	1.2	10	78	42	0.28
111213	21:24:50.69	38° 25.95'	111° 39.50'	6.4*	1.4	8	151	41	0.15
111213	22:08:12.01	38° 25.09'	111° 40.76'	4.4*	2.7W	14	99	42	0.25
111213	22:13:11.89	38° 06.80'	111° 49.54'	7.0*	1.0	5	191	47	0.08
111213	22:54:07.12	38° 25.38'	111° 40.08'	6.9*	1.4	5	155	41	0.05
111213	23:01:14.96	38° 24.94'	111° 40.68'	6.9*	1.5	7	157	42	0.23
111213	23:42:52.38	39° 26.19'	111° 13.68'	2.5*	1.1	7	121	16	0.17
111214	01:17:38.92	38° 24.76'	111° 40.82'	7.0*	1.3	10	101	42	0.27
111214	01:20:32.59	38° 25.88'	111° 40.12'	5.2*	***	9	78	42	0.29
111214	01:20:45.78	38° 25.71'	111° 40.97'	2.8*	2.8W	10	79	43	0.26
111214	01:25:21.19	38° 25.90'	111° 40.17'	8.1*	1.8	11	78	42	0.31
111214	01:32:53.93	38° 25.81'	111° 39.37'	2.3*	1.7	6	129	41	0.07
111214	02:36:21.80	39° 26.24'	111° 13.45'	2.6*	1.1	8	120	16	0.17
111214	04:49:47.18	38° 25.78'	111° 39.26'	6.9*	1.3	7	151	41	0.09
111214	05:22:16.29	38° 24.67'	111° 40.82'	7.0*	2.4W	9	159	42	0.29
111214	06:39:19.27	38° 24.80'	111° 40.88'	9.2*	2.5W	14	101	42	0.23

**Table 2. Earthquakes in the Utah Region: October 1–December 31, 2011**

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111214	07:05:55.27	38° 24.91'	111° 41.01'	10.0*	2.3W	13	100	42	0.21
111214	07:25:00.85	38° 25.64'	111° 39.09'	6.4*	1.2	9	124	41	0.14
111214	09:55:56.65	38° 25.46'	111° 39.65'	7.0*	1.6	6	128	41	0.07
111214	10:28:59.72	38° 25.72'	111° 39.74'	7.0*	1.5	9	98	41	0.17
111214	12:34:00.72	38° 59.90'	111° 21.68'	4.2*	2.2	7	96	25	0.18
111214	15:22:15.94	38° 25.29'	111° 40.02'	7.0*	1.5	7	99	41	0.19
111214	15:58:25.34	38° 25.55'	111° 39.71'	6.2*	1.6	11	77	41	0.22
111214	16:14:17.50	39° 26.02'	111° 13.95'	3.0*	1.4	10	122	15	0.15
111214	17:54:20.46	39° 42.39'	111° 15.07'	2.2	1.6	6	116	8	0.35
111214	19:47:03.86	39° 38.23'	110° 23.89'	2.2	0.8	5	104	3	0.38
111214	22:15:17.00	38° 25.27'	111° 39.86'	0.9*	1.9	9	100	41	0.15
111215	00:30:28.39	39° 42.79'	111° 15.51'	14.7*	1.7	11	141	40	0.10
111215	03:09:03.93	38° 24.42'	111° 40.64'	3.8*	1.6	7	160	41	0.19
111215	04:37:52.30	39° 09.78'	111° 30.91'	3.3*	1.5	7	76	11	0.19
111216	09:54:07.67	41° 35.24'	112° 26.78'	2.9*	0.1	8	124	14	0.21
111216	09:58:13.73	37° 09.91'	112° 47.79'	4.7*	1.7	12	117	17	0.23
111216	18:20:19.88	39° 29.97'	111° 08.53'	17.1	1.3	8	101	17	0.16
111216	22:35:17.52	39° 37.69'	110° 24.18'	1.6	0.3	6	105	2	0.37
111216	22:37:18.06	39° 38.35'	110° 23.86'	0.0	1.5W	7	103	3	0.37
111217	03:09:48.02	41° 57.94'	112° 24.01'	7.1	1.1	15	145	8	0.17
111217	04:01:47.62	39° 37.74'	110° 24.16'	1.6	0.4	6	105	2	0.37
111217	04:02:01.35	39° 43.18'	111° 15.53'	7.0*	1.9	9	143	39	0.21
111217	04:32:42.63	39° 37.76'	110° 24.05'	1.6	0.6	6	109	2	0.35
111217	04:32:50.37	39° 32.20'	112° 02.03'	2.2*	2.1W	12	142	19	0.18
111217	09:10:02.38	37° 26.82'	113° 08.74'	3.5*	1.1	8	111	10	0.17
111217	13:51:21.85	38° 59.43'	111° 22.38'	12.5	1.6W	11	96	24	0.14
111218	02:10:56.79	39° 00.11'	111° 22.02'	13.2	1.9	6	119	25	0.09
111218	06:56:47.12	39° 38.33'	110° 23.61'	1.7	1.6	12	96	3	0.34
111218	10:08:34.78	38° 59.43'	111° 22.72'	7.7*	1.5W	11	81	20	0.16
111218	14:37:41.60	39° 38.52'	110° 23.69'	0.1	1.5	8	94	3	0.18
111218	22:26:36.74	39° 37.82'	110° 23.25'	1.6	0.3	5	132	3	0.31
111219	00:57:40.60	39° 18.96'	111° 57.72'	3.0*	1.6	9	95	19	0.22
111219	07:03:16.39	41° 42.19'	112° 23.65'	8.8	0.6	7	142	5	0.17
111219	08:41:57.41	39° 37.65'	110° 24.06'	1.6	1.7	6	111	2	0.36
111219	08:42:52.01	39° 38.49'	110° 24.47'	2.2	0.7	6	111	3	0.58
111219	10:17:42.86	39° 41.76'	111° 14.78'	2.2	1.4	7	135	7	0.35
111219	16:51:21.26	41° 48.55'	111° 34.99'	4.4*	3.0W	33	86	23	0.21
111219	16:55:13.37	41° 48.54'	111° 33.56'	9.8*	1.5	9	93	22	0.13
111220	05:27:48.14	39° 38.33'	110° 23.47'	0.0	1.8	5	120	3	0.22
111220	09:45:49.41	37° 09.73'	112° 47.47'	6.2*	1.5	12	137	28	0.24
111221	02:07:14.33	39° 26.22'	111° 13.82'	2.2*	1.4	9	122	16	0.19
111221	07:18:52.81	39° 47.20'	111° 05.58'	6.1*	1.5	10	233	53	0.17
111221	17:26:08.97	39° 25.47'	111° 13.18'	9.3	1.6	7	174	14	0.16
111221	18:39:21.41	39° 26.30'	111° 13.65'	5.7*	1.6	8	121	16	0.18
111222	05:30:00.91	39° 26.16'	111° 13.81'	2.2*	1.4	8	122	16	0.17

**Table 2. Earthquakes in the Utah Region: October 1–December 31, 2011**

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
111222	05:57:22.59	39° 00.09'	111° 50.46'	2.2*	1.8W	15	67	22	0.21
111222	06:49:44.08	39° 38.63'	110° 23.29'	1.6	1.7	9	93	3	0.38
111222	15:45:52.17	38° 59.64'	111° 23.00'	7.5*	2.1W	17	79	20	0.17
111222	18:37:23.42	39° 38.40'	110° 23.48'	1.6	1.6	8	110	3	0.39
111222	18:40:45.89	39° 38.34'	110° 23.47'	1.6	1.4	8	111	3	0.38
111222	21:10:22.78	41° 20.79'	112° 00.86'	1.8	1.6	13	99	9	0.21
111222	23:50:01.62	41° 15.41'	111° 46.11'	10.9	0.7	11	102	17	0.17
111222	23:51:27.19	39° 24.92'	111° 13.15'	7.1	1.6	8	131	13	0.16
111223	01:03:16.11	39° 26.35'	111° 13.67'	2.7*	1.3	7	121	16	0.16
111223	01:43:03.65	39° 26.16'	111° 13.53'	2.8*	1.2	8	121	16	0.17
111223	02:45:28.94	39° 26.20'	111° 13.62'	2.2*	1.3	8	121	16	0.18
111223	04:19:43.84	39° 26.22'	111° 13.61'	2.2*	1.6	8	121	16	0.16
111223	05:28:13.16	39° 40.96'	111° 14.67'	1.7	1.1	6	132	6	0.30
111223	11:48:48.08	38° 59.43'	111° 22.97'	9.3*	1.7	9	95	24	0.09
111223	19:01:51.57	39° 25.12'	111° 13.25'	7.9	1.6	7	131	14	0.15
111223	23:48:32.96	39° 37.66'	110° 24.08'	1.6	0.2	6	111	2	0.39
111224	03:35:44.46	38° 59.30'	111° 22.61'	1.4*	1.9W	12	112	24	0.19
111224	06:22:30.84	39° 26.58'	111° 13.59'	2.0*	1.4	7	122	16	0.11
111224	09:23:49.83	38° 59.83'	111° 22.97'	18.0	1.6	8	95	24	0.13
111224	21:58:22.32	38° 59.40'	111° 23.05'	2.3*	1.6W	11	95	24	0.15
111225	10:25:59.68	40° 23.43'	111° 50.89'	6.4	0.4	15	82	11	0.14
111225	16:55:11.93	41° 34.17'	112° 27.21'	2.2*	0.7	13	172	16	0.25
111225	20:26:05.92	40° 13.46'	113° 18.97'	2.4*	1.0	8	190	43	0.15
111226	08:26:56.21	36° 58.34'	113° 14.76'	22.4	1.6	12	163	4	0.16
111226	14:03:59.39	40° 21.76'	111° 22.35'	2.4*	0.9	11	232	11	0.12
111226	18:11:15.01	39° 38.57'	110° 24.49'	1.6	0.3	5	111	3	0.61
111227	00:55:34.41	39° 42.60'	111° 15.74'	1.7	1.7	15	73	9	0.28
111227	01:16:37.04	39° 26.17'	111° 12.87'	2.2*	1.6	11	83	16	0.23
111227	08:45:43.58	41° 57.78'	112° 24.96'	5.4	1.1	13	102	8	0.11
111227	22:33:26.43	39° 40.78'	111° 14.56'	1.6	1.4W	11	179	6	0.27
111228	00:46:38.33	39° 25.20'	111° 13.38'	7.7	1.4	7	164	14	0.12
111228	03:06:46.43	39° 37.66'	110° 24.05'	1.6	0.7	6	112	2	0.37
111228	03:19:16.31	39° 38.53'	110° 24.49'	2.1	1.0	5	150	3	0.65
111228	10:18:39.42	38° 59.68'	111° 22.90'	14.4	1.5	6	101	24	0.16
111228	17:23:42.62	39° 26.32'	111° 13.33'	2.5*	1.3	8	120	16	0.15
111228	18:08:04.13	39° 26.15'	111° 13.43'	2.6*	1.7	8	119	16	0.18
111228	23:53:33.67	39° 25.44'	111° 13.28'	8.7	1.7	15	133	14	0.15
111229	06:44:46.41	38° 59.46'	111° 21.41'	8.6*	1.5	6	102	24	0.10
111229	06:46:38.22	39° 26.13'	111° 13.43'	6.9*	1.5	11	119	16	0.15
111230	00:34:01.70	39° 26.03'	111° 13.49'	0.3*	1.3W	9	119	15	0.19
111230	06:01:58.88	40° 33.17'	111° 15.87'	8.3	0.5	10	162	13	0.10
111230	08:42:13.80	40° 33.65'	111° 15.36'	14.0	0.9	10	167	13	0.04
111230	09:07:37.72	40° 33.27'	111° 15.51'	12.4	0.5	7	166	13	0.04
111230	09:08:01.19	40° 33.43'	111° 15.22'	12.4	0.2	7	169	13	0.02
111230	11:36:37.20	40° 49.21'	111° 56.52'	24.5	0.6	19	90	6	0.10

**Table 2. Earthquakes in the Utah Region: October 1–December 31, 2011**

<b>DATE</b>	<b>ORIGIN TIME</b>	<b>LATITUDE</b>	<b>LONGITUDE</b>	<b>DEPTH</b>	<b>MAG</b>	<b>NO</b>	<b>GAP</b>	<b>DMN</b>	<b>RMS</b>
111230	12:10:06.75	39° 26.13'	111° 13.56'	0.3*	1.6	8	121	16	0.15
111230	23:44:35.92	39° 26.47'	111° 13.69'	3.3*	1.2	7	122	16	0.14
111231	06:13:14.68	39° 38.39'	110° 22.81'	1.6	1.5	10	96	3	0.33
111231	07:44:12.77	41° 15.52'	111° 41.13'	4.4*	0.8	7	158	27	0.07
111231	08:57:18.28	41° 05.05'	111° 39.23'	6.9*	0.2	5	200	21	0.19

number of earthquakes = 680

\* 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**  
**December 31, 2011**

<b>UURSN Code</b>	<b>Location</b>	<b>SEED Station</b>	<b>SEED Channel</b>	<b>No. of Channels</b>	<b>Network Code</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Elevation (meters)</b>	<b>Sensor</b>	<b>Digitizer</b>	<b>Telemetry</b>	<b>Sponsor</b>
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
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			
CWR	Coldwater Ranch, Paradise, UT	CWR	EN[ZEN]	3	UU	41° 34.90'	111° 46.89'	1837	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
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]	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
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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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] ELZ	4	UU	40° 34.53'	111° 45.79'	1829	S13	PSN	Analog	USGS
GMV	Granite Mountain Vault Sandy, UT	GMV	EN[ZEN]	3	UU	40° 34.40'	111° 45.79'	1829	EpiSensor	K2	Digital	ANSS
GRR	Grays Lake, ID	GRRRI	EHZ	1	IE	42° 56.28'	111° 25.32'	2207	*	*	Digital	INL
GZU	Grizzly Peak, UT	GZU	EH[ZEN] ELZ	4	UU	41° 25.53'	111° 58.50'	2646	S13	PSN	Analog	USGS
HCSU	Hobble Creek, Springville, UT	HCSU	EHZ EN[ZEN]	1 3	UU	40° 12.40'	111° 30.14'	1789	L4C EpiSensor	Basalt	Digital	Utah, USGS
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 EN[ZEN]	1 3	UU	40° 36.64'	111° 24.05'	1931	S13 FBA23	PSN K2	Analog Digital	Utah
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
HRU	Hogsback Ridge, UT	HRU	EHZ EN[ZEN]	1 3	UU	40° 47.67'	111° 53.14'	1620	Ranger Applied Mems	PSN ANSS-130	Analog Digital	USGS ANSS

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
HTU	Hoyt, UT	HTU	EHZ	1	UU	40° 40.52'	111° 13.21'	2576	L4C	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			EN[ZEN]	3						Episensor		
HVU	Hansel Valley, UT	HVU	HH[ZEN]	3	UU	41° 46.78'	112° 46.50'	1609	Trillium 120	Q330	Digital	USGS
			EN[ZEN]	3					EpiSensor			
HWU	Hardware Ranch, UT	HWUT	BH[ZEN]	3	US	41° 36.41'	111° 33.91'	1830	*	*	Digital	USGS
IAE	Cedar City, Iron County Adult Education, UT	IAE	EN[ZEN]	3	UU	37°39.91'	113° 40.02'	1807	EpiSensor	Etna	Digital	Utah
ICF	International Center Fire Station, Salt Lake City, UT	ICF	EN[ZEN]	3	UU	40° 46.69'	112° 01.72'	1281	EpiSensor	K2	Digital	ANSS
ICU	Indian Springs Canyon, UT	ICU	EHZ	1	UU	37° 08.98'	113° 55.41'	1451	S13	PSN	Analog	Utah
IMU	Iron Mountain, UT	IMU	EHZ	1	UU	38° 37.99'	113° 09.50'	1833	L4C	PSN	Analog	Utah
IMW	Indian Meadows, WY	IMW	BH[ZEN]	3	IW	43° 53.58'	110° 56.58'	2670	3ESP	RT-130	Digital	ANSS
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
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

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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
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								
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								
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	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]	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
			EHZ	1						Basalt	Digital	
			EN[ZEN]	3						EpiSensor		
OCP	Orem City Park, Orem, UT	OCP	EN[ZEN]	3	UU	40° 17.87'	111° 41.44'	1464	EpiSensor	K2	Digital	ANSS
OF2	Ogden Fire Station ° 2 Ogden, UT	OF2	EN[ZEN]	3	UU	41° 13.70'	111° 56.92'	1358	EpiSensor	K2	Digital	ANSS
OPS	Ogden Public Safety Building, Ogden, UT	OPS	EN[ZEN]	3	UU	41° 13.72'	111° 58.54'	1317	Applied Mems	ANSS-130	Digital	ANSS
OSS	Oquirrh Sub Station, UT	OSS	EN[ZEN]	3	UU	40° 33.77'	112° 01.61'	1503	Applied Mems	ANSS-130	Digital	ANSS
OWUT	Old Woman Plateau, UT	OWUT	EHZ	1	UU	38° 46.80'	111° 25.42'	2568	L4C	PSN	Analog	Utah
PCCW	Pine Creek, Cokeville, WY	PCCW	EHZ	1	UU	42° 05.97'	110° 52.36'	1996	L4C	Basalt	Digital	Utah, USGS
			EN[ZEN]	3					EpiSensor			
PCL	Plain City Landfill Plain City, UT	PCL	EN[ZEN]	3	UU	41° 18.60'	112° 06.00'	1290	Applied Mems	ANSS-130	Digital	ANSS

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	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	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
			EHZ	1						Basalt	Digital	
			EN[ZEN]	3						EpiSensor		
SAIU	South Antelope Island, UT	SAIU	EHZ	1	UU	40° 51.29'	112° 10.89'	1384	L4C	PSN	Analog	USGS
			EHZ	1						Basalt	Digital	
			EN[ZEN]	3						EpiSensor		
SCC	Salt Lake Community College	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			

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
SSC	Sandy Senior Center Sandy, UT	SSC	EN[ZEN]	3	UU	40° 34.89'	111° 51.35'	1414	EpiSensor	K2	Digital	ANSS
SUU	Santaquin Canyon, UT	SUU	EHZ	1	UU	39° 53.29'	111° 47.45'	2024	18300	PSN	Analog	USGS
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
V05	E. Island Mesa, Paradox Basin, CO	PV05	HH[ZEN]	3	RE	38° 08.87'	108° 50.08'	2142	*	*	Digital	USBR
V11	Davis Mesa, Paradox Basin, CO	PV11	HH[ZEN]	3	RE	38° 17.96'	108° 52.33'	1881	*	*	Digital	USBR
V15	Pinto Mesa, Paradox Basin, CO	PV15	HH[ZEN]	3	RE	38° 20.51'	108° 28.66'	2280	*	*	Digital	USBR
V21	Cone Mountain, Paradox Basin, CO	PV21	HH[ZEN]	3	RE	38° 33.67'	108° 58.50'	2235	*	*	Digital	USBR



UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor	
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	
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	
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	
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	ANSS
WUAZ	Wupatki, AZ	WUAZ	BH[ZEN]	3	US	35° 31.01'	111° 22.43'	1592	*	*	Digital	USGS	
WVUT	Wellsville, UT	WVUT	EHZ	1	UU	41° 36.61'	111° 57.55'	1828	L4C	PSN	Analog	USGS	
YDC	Denny Creek, MT	YDC	EHZ	1	WY	44° 42.51'	111° 14.60'	2025	L4C	PSN	Analog	USGS	
YFT	Old Faithful (YNP), WY	YFT	HH[ZEN]	3	WY	44° 27.05'	110° 50.24'	2292	Trillium 120	72A-07	Digital	USGS	
			EN[ZEN]	3					Titan				
			EHZ	1					L4C	None	None		
YGC	Grayling Creek, MT	YGC	EHZ	1	WY	44° 47.77'	111° 06.45'	2075	L4C	PSN	Analog	USGS	

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
YHB	Horse Butte, MT	YHB	EHZ	1	WY	44° 45.07'	111° 11.71'	2157	L4C	PSN	Analog	USGS
			HH[ZEN]	3					40T			
			EN[ZEN]	3					Titan	ANSS-130	Digital	
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	Q330	Digital	
YHL	Hebgen Lake, MT	YHL	HH[ZEN]	3	WY	44° 51.05'	111° 10.98'	2691	Trillium 120	Q330	Digital	USGS
			EN[ZEN]	3					Titan			
YJCZ	Joseph's Coat (YNP), WY	YJC	EH[ZEN]	3	WY	44° 45.33'	110° 20.95'	2684	S13	PSN	Analog	USGS
YLAZ	Lake Butte (YNP), WY	YLA	EHZ	1	WY	44° 30.76'	110° 16.12'	2580	L4C	PSN	Analog	USGS
YLT	Little Thumb Creek (YNP), WY	YLT	EHZ	1	WY	44° 26.25'	110° 35.28'	2439	L4C	PSN	Analog	USGS
YMC	Maple Creek (YNP), WY	YMC	EH[ZEN]	3	WY	44° 45.53'	111° 00.41'	2073	S13	PSN	Analog	USGS
YML	Mary Lake (YNP), WY	YML	EH[ZEN]	3	WY	44° 36.20'	110° 38.63'	2653	L4C	PSN	Analog	USGS
YMP	Mirror Plateau (YNP), WY	YMP	EHZ	1	WY	44° 44.38'	110° 09.40'	2774	S13	PSN	Analog	USGS
			HH[ZEN]	3					Trillium 120			
			EN[ZEN]	3					Titan	Q330	Digital	
YMR	Madison River (YNP), WY	YMR	HH[ZEN]	3	WY	44° 40.12'	110° 57.90'	2149	Trillium 120	Q330	Digital	USGS
			EN[ZEN]	3					Titan			
YMS	Mount Sheridan (YNP), WY	YMS	EHZ	1	WY	44° 15.84'	110° 31.67'	3106	L4C	PSN	Analog	USGS
YMV	Mammoth Vault (YNP), WY	YMV	EHZ	1	WY	44° 58.42'	110° 41.33'	1829	L4C	PSN	Analog	USGS
YNE	Northeast Entrance (YNP), WY	YNE	HH[ZEN]	3	WY	45° 00.46'	110° 00.48'	2343	Compact	Taurus	Digital	USGS
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	Q330	Digital	
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	Q330	Digital	
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			

UURSN Code	Location	SEED Station	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
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: 786 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](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.

<b>Sensor</b>	<b>Description</b>
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
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) 151 Observer broadband seismometer
<b>Digitizer</b>	<b>Description</b>
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

**NETWORK CHANGES DURING OCTOBER 1-DECEMBER 31, 2011**

October 21                    New seismic station MGCU (EN[ZEN]). This station replaces station MBUT.

October 24                    New import from USBR (seismic stations PV05, PV11, PV15, and PV21, HH[ZEN]). Short-period seismic stations PV03 and PV15 were discontinued.