

EARTHQUAKE ACTIVITY IN THE YELLOWSTONE REGION

Preliminary Epicenters

April 1 – June 30, 2026

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

This report contains an epicenter map (Figure 1) and listings of earthquakes (Tables 1 and 2) detected and located in the Yellowstone region (lat. 44° 00' – 45° 10' N, long. 109° 45' – 111° 30' W). The computer program HYPOINVERSE-2000 (F. W. Klein, 2012, U.S. Geological Survey Open-File Report 02-171 revised) was used to process the earthquake data. This report also includes maps and a table of operating seismograph stations in the University of Utah's Yellowstone seismic network (Figure 2, Table 3).

The earthquake listing in Table 2 is estimated to be systematically complete above magnitude 1.5 within Yellowstone. *These data are preliminary—both the locations and magnitudes in this table are subject to revision.*

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

- Date (yymmdd) and origin time in Universal Coordinated Time (UTC). To convert to local time, subtract seven hours for Mountain Standard Time (MST) and six hours for Mountain Daylight Time (MDT). During the report period, local time was MDT.
- Earthquake location coordinates in degrees and minutes of north latitude and west longitude, and depth in kilometers below sea level. Note that prior to October 1, 2012, the earthquake depths in these quarterly reports were computed relative to a datum of 2000 m above sea level.
- "*" indicates poor depth resolution: no recording stations within 10 km or twice the depth.
- MAG, the computed Richter local magnitude (ML) for each earthquake. "W" indicates that peak amplitude measurements from Wood-Anderson records were used. Otherwise, the estimate is calculated from signal durations and is more correctly identified as coda magnitude (MC). The notation "--" indicates that a reliable magnitude estimate could not be made.
- NO, the number of P and S readings used in the solution.
- GAP, the largest azimuthal separation in degrees between recording stations used in the solution.
- DMN, the epicentral distance in kilometers to the closest station.
- RMS, the weighted root-mean-square of the travel-time residuals in seconds:

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

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

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April 1 – June 30, 2026

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During the three-month period April 1 through June 30, 2026, the University of Utah Seismograph Stations (UUSS) located 260 earthquakes within the Yellowstone region (Figure 1). The total includes no earthquakes in the magnitude 3 range and 10 earthquakes in the magnitude 2 range. The largest event to occur during this period was a magnitude 2.5 earthquake on April 14. No earthquakes were reported felt in the region during the report period (see Table 1, a cumulative tabulation of earthquakes that were felt in the Yellowstone region during 2026). Additional information on earthquakes within the Yellowstone 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 <https://quake.utah.edu/monitoring/quarterly-seismicity-reports/>.

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

Table 1. Earthquakes of Magnitude 3.0 or Larger

Magnitude	Date	Local Time	Location Description
None			

Notable Swarm Seismicity

During the report period, there were four earthquake swarms in the Yellowstone region. For reporting purposes, we use the Mogi definition [Mogi, 1963] of a swarm and require each swarm to have ten or more earthquakes. Note that typically, around 50% of Yellowstone earthquakes occur as part of a seismic swarm [Farrell et al., 2009].

- A. A swarm of 16 earthquakes ($0.6 \leq M \leq 2.5$) occurred about 2.9 mi NNW of Norris Geyser Basin, YNP on April 14th.
- B. A swarm of 25 earthquakes ($0.2 \leq M \leq 2.4$) occurred about 10.9 mi E of Grant Village, YNP from June 6th – 9th.
- C. A swarm of 16 earthquakes ($0.5 \leq M \leq 1.6$) occurred about 6.7 mi SE of Madison Junction, YNP from June 14th – 15th.
- D. A swarm of 20 earthquakes ($0.2 \leq M \leq 2.1$) occurred about 12.2 mi NNE of West Yellowstone, MT from June 22nd – 25th.

These swarms are labeled in Figure 1.

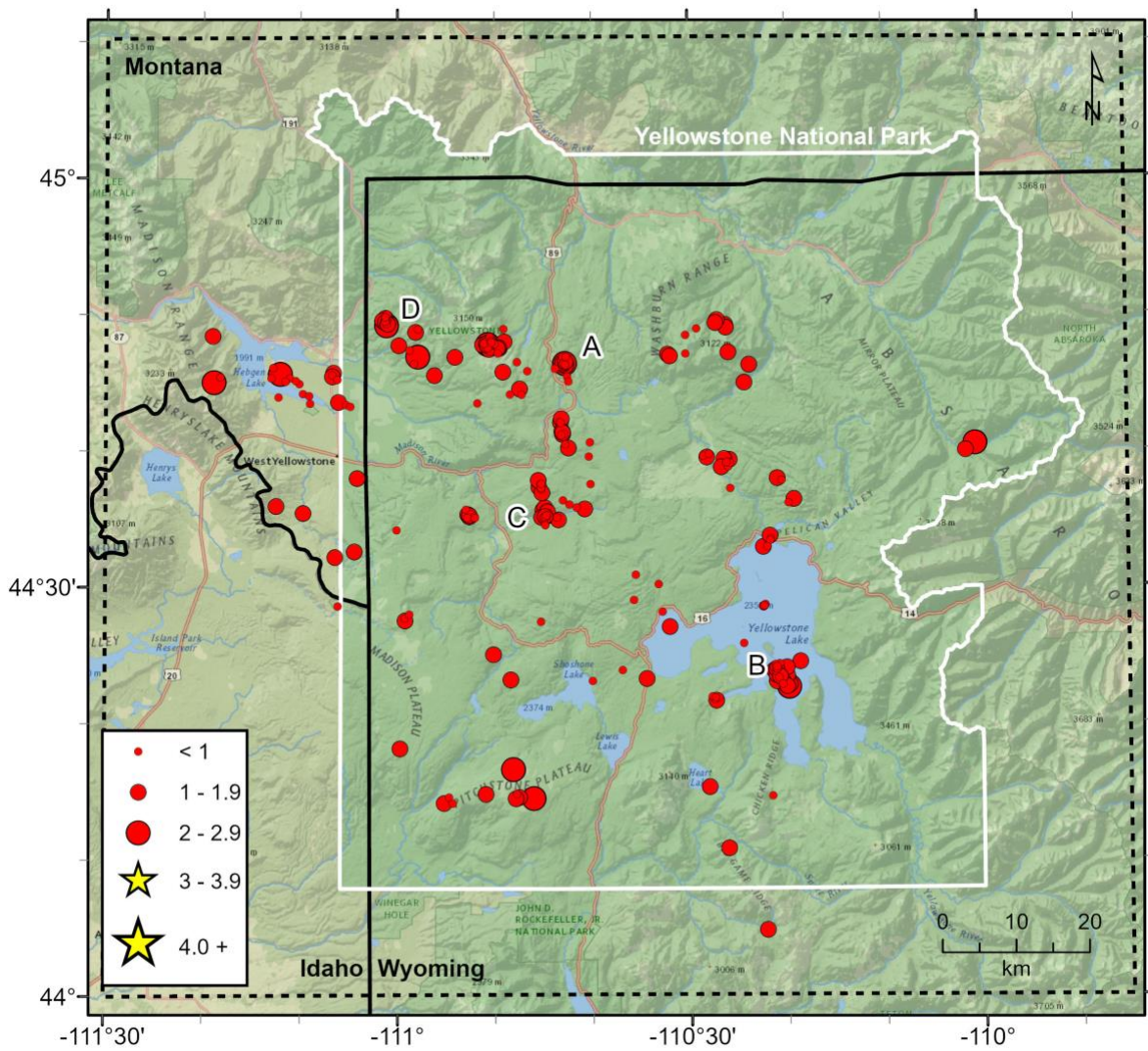


Figure 1. Epicenters of earthquakes located by the University of Utah Seismograph Stations, April 1, 2026, through June 30, 2026. Earthquake swarms (labeled A–D) are discussed in the text.

Earthquakes Felt in the Yellowstone Region, January 1, 2026, to June 30, 2026

Local Date and Time	UTC Date and Time	Felt Information	Latitude (°N)	Longitude (°W)	Magnitude
None					

Table 2. List of earthquakes that were felt since the beginning of the year. The time of each event is listed in local time in the first column—Mountain Standard Time (MST) or Mountain Daylight Time (MDT)—and as Universal Coordinated Time (UTC) in the second column. A “DYFI” link in the third column indicates the availability of a Community Internet Intensity Map (<https://earthquake.usgs.gov/earthquakes/dyfi>), compiled by the U.S. Geological Surevey (USGS); A “ShakeMap” link indicates the availability of computer-generated maps of ground-shaking produced by the University of Utah Seismograph Stations (UUSS) and displayed by the USGS (<https://earthquake.usgs.gov/earthquakes/shakemap>). Magnitude (last column) may be displayed as Moment magnitude (MW), Richter local magnitude (ML), and/or Coda magnitude (MC) and is determined by UUSS. If labeled “NEIC”, data are from the National Earthquake Information Center of the USGS.

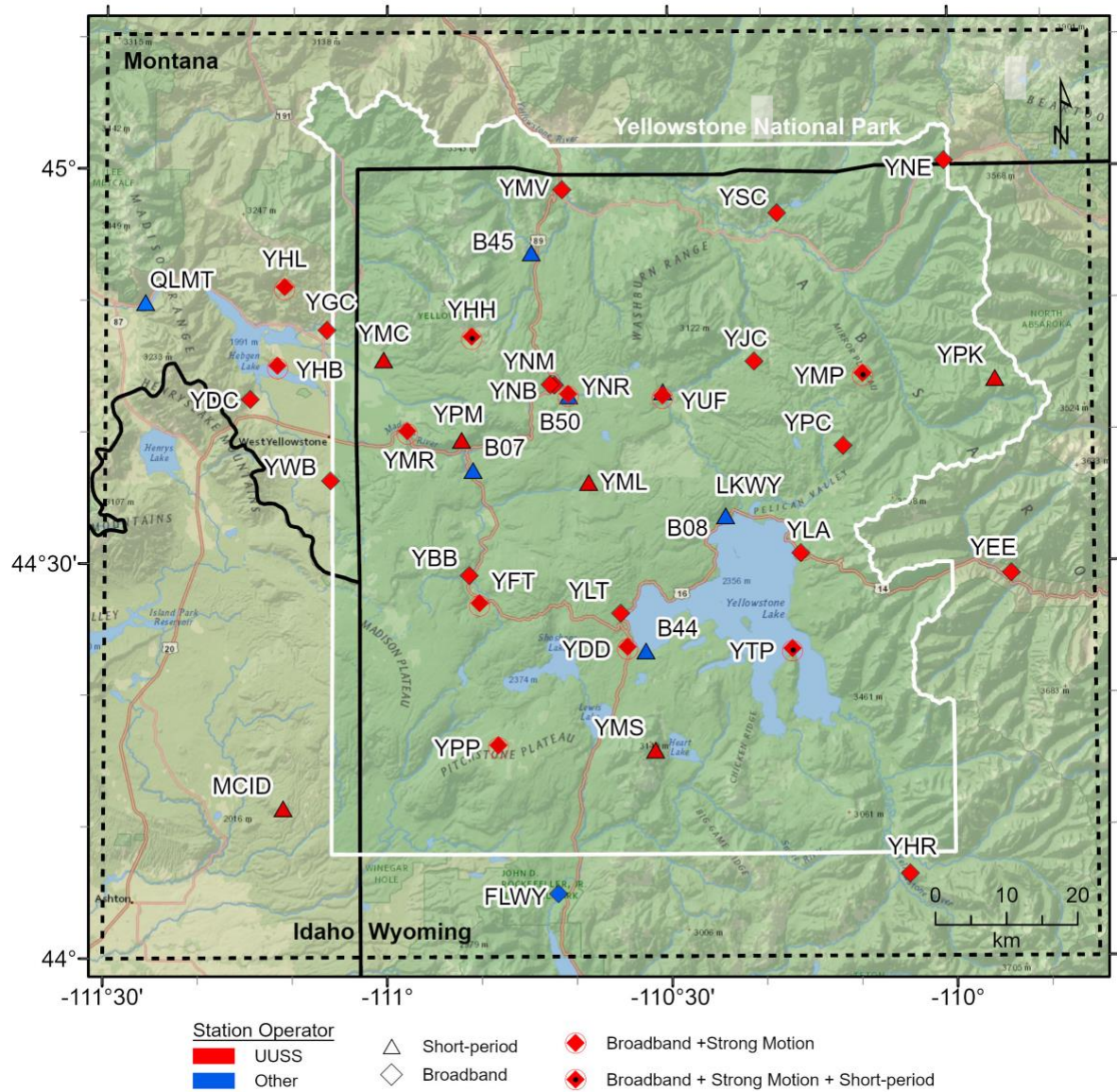


Figure 2. Seismograph stations of the Yellowstone Seismic Network as of June 30, 2026. Stations are shown by sensor type and labeled by their SEED station code.

Table 3. Earthquakes in the Yellowstone Region: April 1—June 30, 2026. 260 earthquakes are listed occurring with the April through June time period. Depths listed with an asterisk indicate poor depth control. Magnitudes listed with “M” indicate moment magnitude and “W” indicates Wood-Anderston data was used for the magnitude calculation (Richter local magnitude). For a more detailed explanation of the columns, see the “foreword and data explanation” section.

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
260414	08:47:06.39	44°46.46’	110°42.91’	4.7	0.7W	25	67	5	0.23
260414	09:13:12.72	44°46.46’	110°42.79’	4.7	2.5W	39	66	5	0.18
260414	09:19:08.06	44°46.93’	110°43.00’	4.6	0.9W	20	83	6	0.15
260414	09:19:18.26	44°46.08’	110°43.79’	5.2	0.7	11	123	5	0.07
260414	09:26:08.00	44°46.51’	110°43.01’	4.3	1.1W	28	67	5	0.13
260414	09:47:43.69	44°46.45’	110°42.83’	4.6	1.4W	28	66	5	0.17
260415	03:43:42.27	44°45.05’	111°18.89’	11.3	2.0W	32	89	8	0.19
260415	21:55:36.72	44°47.62’	110°50.56’	4.8	0.9W	28	120	1	0.18
260416	11:39:55.93	44°46.56’	110°47.70’	2.3	0.5	8	198	5	0.15
260416	13:30:30.98	44°39.63’	110°40.34’	5.8	0.7W	16	93	6	0.11
260417	11:12:45.76	44°14.56’	110°47.89’	3.8	1.4W	11	91	3	0.25
260417	11:49:44.31	44°14.66’	110°47.52’	3.8	1.5W	13	82	3	0.15
260417	15:08:41.55	44°37.61’	110°40.17’	5.9	0.9W	22	78	3	0.18
260418	04:17:03.30	44°47.93’	110°51.10’	4.9	0.6W	26	110	1	0.18
260418	05:06:44.46	44°43.97’	111°12.26’	11.0	-0.0	9	139	2	0.18
260418	07:12:12.09	44°43.42’	111°05.28’	11.1	-0.3	14	79	8	0.19
260418	07:12:42.88	44°43.29’	111°04.86’	10.9	-0.5	12	80	9	0.22
260419	11:38:55.07	44°48.01’	110°50.31’	5.1	-0.4	13	217	2	0.18
260420	00:00:31.33	44°36.20’	110°19.84’	5.8	-0.2	6	192	7	0.07
260420	05:07:08.74	44°45.27’	111°06.20’	10.4	-0.7	13	82	5	0.23
260420	13:20:17.34	44°23.97’	110°36.94’	2.3	0.9W	18	62	3	0.10
260420	14:30:24.74	44°39.18’	110°26.20’	4.9	0.1	12	89	9	0.16
260420	22:44:56.84	44°41.30’	110°42.87’	3.0	0.9	10	107	4	0.07
260420	22:46:32.26	44°41.49’	110°43.10’	6.1	1.0W	19	53	4	0.14
260420	22:52:50.45	44°41.40’	110°43.02’	6.8	0.9W	16	67	4	0.11
260421	05:02:43.54	44°23.34’	110°34.45’	2.4	1.0	14	76	1	0.08
260421	18:25:54.32	44°04.90’	110°22.24’	7.8*	1.3W	14	189	24	0.09
260422	00:49:51.69	44°45.67’	111°12.05’	12.0	2.1W	30	56	1	0.16
260422	00:54:35.77	44°45.38’	111°12.98’	12.1	-0.1	13	174	2	0.16
260422	06:06:52.00	44°48.44’	111°19.00’	10.5	1.0W	25	82	9	0.19
260422	17:58:45.42	44°42.11’	110°43.23’	6.3	0.6	17	78	3	0.13
260422	17:58:56.81	44°42.13’	110°43.24’	6.3	1.3	16	78	3	0.15
260422	18:00:28.28	44°40.26’	110°42.44’	2.0	1.1	12	119	5	0.20
260422	18:00:53.36	44°42.40’	110°43.16’	6.4	1.1	15	95	2	0.14
260422	18:02:04.34	44°42.19’	110°43.36’	6.4	0.9	17	78	3	0.14
260423	07:09:57.84	44°41.25’	110°43.03’	4.9	1.0	13	101	4	0.13
260423	08:08:30.60	44°14.22’	110°55.24’	7.8	1.4W	15	84	10	0.25

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
260423	17:26:51.57	44°47.78'	110°59.86'	6.6	1.0W	20	128	9	0.19
260424	09:59:20.05	44°39.22'	110°25.99'	4.7	0.5W	18	73	9	0.12
260424	18:04:49.14	44°35.18'	110°43.61'	8.4	0.6W	16	64	7	0.14
260424	18:07:00.69	44°35.00'	110°43.47'	7.8	1.0W	20	63	7	0.16
260424	20:16:19.21	44°43.62'	111°06.08'	12.2	1.0W	20	74	8	0.16
260425	14:58:27.41	44°18.23'	110°59.74'	11.6	1.1W	18	107	16	0.21
260425	17:36:00.09	44°47.25'	110°25.97'	3.4	1.0W	12	118	8	0.20
260426	12:36:29.41	44°48.99'	110°49.09'	4.2	0.5	18	112	4	0.16
260426	23:30:01.07	44°45.43'	111°18.23'	11.3	0.0	11	174	7	0.09
260427	12:15:08.48	44°46.13'	111°12.80'	11.6	0.2	18	94	2	0.17
260428	14:19:15.10	44°39.38'	110°25.90'	3.9	1.4W	20	73	9	0.13
260501	07:06:38.33	44°38.01'	110°20.99'	5.3	1.2	15	72	9	0.09
260503	07:33:39.68	44°14.21'	110°54.36'	9.7	0.7	11	77	9	0.15
260504	02:07:34.43	44°14.72'	110°21.64'	9.5	0.6	16	211	14	0.13
260506	06:47:11.95	44°43.55'	110°51.78'	5.7	0.7W	17	69	7	0.09
260507	00:51:28.06	44°47.70'	110°50.75'	4.2	0.9	17	107	1	0.14
260507	05:46:15.13	44°44.60'	110°47.44'	4.8	1.5W	16	88	7	0.13
260507	10:07:08.57	44°38.86'	110°26.02'	4.3	0.5	11	90	10	0.10
260507	10:42:58.95	44°38.83'	110°26.73'	5.1	1.1W	18	59	9	0.15
260510	03:56:05.15	44°25.12'	110°50.17'	3.3	1.1W	20	87	4	0.12
260510	04:22:13.52	44°36.42'	110°43.02'	7.6	0.6	18	77	6	0.19
260510	04:37:08.23	44°35.90'	110°41.61'	5.1	0.8	13	76	4	0.14
260510	04:37:28.87	44°36.12'	110°42.35'	9.2	0.5	15	76	5	0.18
260512	07:36:38.12	44°39.11'	110°26.22'	7.8	0.5	12	89	9	0.08
260512	10:45:19.65	44°27.60'	110°59.23'	4.6*	1.0W	13	156	12	0.22
260512	10:48:42.77	44°27.78'	110°59.27'	4.4*	0.9W	15	156	12	0.25
260512	10:50:43.45	44°28.06'	110°58.79'	5.6*	0.8W	16	155	12	0.21
260512	17:42:23.59	44°45.59'	110°56.19'	9.3	1.4W	21	126	8	0.14
260513	14:01:39.65	44°29.10'	110°35.75'	2.9	0.7	11	86	10	0.17
260515	06:55:59.21	44°37.61'	110°45.31'	4.1	0.9	8	160	7	0.10
260515	07:03:59.22	44°37.34'	110°45.24'	5.1	0.6	11	97	8	0.09
260515	07:20:35.40	44°37.23'	110°45.23'	5.2	0.7	8	100	8	0.09
260515	08:39:52.13	44°37.90'	110°45.54'	5.4	1.0W	22	112	7	0.13
260515	08:55:08.77	44°37.40'	110°45.48'	7.7	1.4W	22	69	7	0.18
260515	10:06:05.01	44°37.64'	110°45.23'	4.9	--	9	73	8	0.13
260515	10:09:30.66	44°36.98'	110°45.16'	6.4	1.0W	19	68	8	0.13
260515	11:21:57.45	44°47.83'	110°51.24'	4.8	1.2W	28	109	1	0.13
260516	04:48:59.65	44°39.43'	110°26.45'	2.8	1.3W	19	62	8	0.15
260516	17:56:32.76	44°32.25'	111°06.43'	12.1	0.9	15	143	8	0.16
260516	20:36:27.10	44°39.65'	110°28.58'	2.1	0.9	10	175	6	0.27
260516	20:44:46.90	44°39.56'	110°28.22'	2.0	1.2W	16	69	7	0.21
260517	06:38:17.95	44°39.79'	110°27.99'	2.1	0.5	13	112	7	0.19

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
260518	06:17:26.85	44°34.24'	111°00.10'	13.9	0.5	12	137	11	0.17
260520	17:05:06.04	44°47.93'	110°50.84'	6.7	1.1W	22	109	1	0.14
260521	05:13:40.62	44°39.99'	110°01.61'	14.2	1.9W	12	150	13	0.12
260521	05:41:20.68	44°40.48'	110°00.63'	11.1	2.0W	21	107	14	0.22
260522	06:08:45.47	44°46.34'	110°23.82'	5.1	1.5W	15	94	4	0.20
260523	05:08:09.17	44°35.98'	111°12.48'	11.6	1.4W	22	115	9	0.18
260524	03:43:32.23	44°48.51'	110°30.37'	4.9*	0.8	9	241	11	0.06
260524	21:44:19.36	44°10.90'	110°26.13'	13.6	1.8W	14	181	12	0.19
260526	01:47:04.22	44°46.42'	110°58.30'	9.6	0.8W	19	142	3	0.11
260528	20:46:01.18	44°47.58'	110°49.50'	4.8	1.4W	27	105	2	0.18
260528	23:16:19.04	44°47.62'	110°49.59'	4.7	1.2W	25	117	2	0.14
260529	12:36:55.67	44°48.06'	110°49.02'	4.5	1.3W	26	106	3	0.15
260531	08:09:10.69	44°47.58'	110°49.71'	4.6	1.1W	23	104	2	0.11
260531	10:03:51.70	44°47.90'	110°50.00'	4.1	0.2W	18	107	2	0.13
260603	21:47:26.17	44°23.18'	110°40.01'	2.3	0.9W	10	134	7	0.08
260606	07:21:42.25	44°45.50'	111°06.70'	8.8	1.0W	22	75	4	0.15
260606	20:29:25.47	44°37.27'	110°25.83'	2.2	0.9	10	110	7	0.13
260606	20:44:25.39	44°23.47'	110°20.81'	5.5	1.0W	15	131	5	0.13
260607	00:11:38.46	44°24.07'	110°21.47'	2.6	0.7	6	168	6	0.08
260607	03:02:35.66	44°22.90'	110°20.54'	6.2	0.6	11	145	5	0.12
260607	03:05:23.28	44°24.20'	110°21.12'	2.6	0.2	7	165	5	0.11
260607	03:41:00.54	44°22.87'	110°19.82'	7.7	1.9W	24	76	4	0.12
260607	04:05:12.41	44°23.38'	110°20.94'	5.1	0.4	11	133	5	0.13
260607	04:06:15.09	44°24.35'	110°21.24'	2.0	0.4	9	162	6	0.11
260607	04:19:34.69	44°22.76'	110°20.09'	7.6	1.0W	17	76	4	0.12
260607	06:34:39.17	44°30.26'	110°33.23'	2.5	0.4	13	127	8	0.11
260607	11:12:09.19	44°23.01'	110°20.47'	6.2	1.3W	16	151	5	0.11
260607	11:52:31.61	44°23.95'	110°21.18'	3.8	1.2W	16	125	5	0.15
260607	11:52:42.16	44°22.71'	110°19.88'	7.8	2.4W	27	77	4	0.09
260607	12:59:42.79	44°24.09'	110°21.28'	3.5	0.4	12	149	6	0.09
260607	14:25:32.95	44°24.02'	110°21.13'	2.5	0.3	9	169	5	0.16
260607	14:36:31.29	44°24.06'	110°21.24'	2.0	0.5	12	149	6	0.25
260607	14:36:55.49	44°24.02'	110°21.18'	2.1	1.0	14	150	6	0.23
260607	14:46:53.86	44°24.57'	110°18.72'	11.4	1.8W	22	70	3	0.15
260607	16:11:20.46	44°24.40'	110°20.87'	2.4	0.7	10	156	5	0.13
260607	19:54:29.80	44°23.51'	110°20.07'	7.6	1.6W	15	132	4	0.17
260607	20:00:26.10	44°23.91'	110°21.42'	2.5	1.3W	13	126	6	0.13
260607	20:00:56.86	44°23.60'	110°21.18'	5.5	1.1	16	128	5	0.22
260607	20:01:15.42	44°23.90'	110°21.03'	3.6	1.9	12	122	5	0.14
260607	20:01:27.24	44°24.13'	110°20.11'	8.4	1.1	12	114	4	0.18
260607	21:20:02.54	44°45.76'	111°06.58'	9.2	1.3W	19	78	4	0.15
260608	21:35:30.80	44°35.48'	111°09.70'	10.3	1.2W	18	139	5	0.17

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
260609	00:29:43.81	44°24.08'	110°21.03'	2.1	0.5	11	165	5	0.20
260609	05:08:59.05	44°23.88'	110°21.27'	4.5	0.8W	11	152	6	0.11
260609	17:39:44.34	44°23.12'	110°21.14'	4.1	1.2	13	138	5	0.15
260611	19:49:45.35	44°46.93'	110°54.08'	6.5	1.8W	33	108	4	0.16
260612	01:12:46.12	44°44.22'	111°09.73'	12.0	0.9W	19	62	3	0.16
260612	22:34:11.63	44°35.79'	110°40.77'	4.8	1.0	9	147	3	0.24
260613	23:51:09.99	44°28.23'	110°32.83'	2.3	0.9	9	129	5	0.11
260614	06:40:42.70	44°47.43'	110°58.76'	6.4	0.5W	18	158	10	0.14
260614	21:42:04.86	44°14.58'	110°46.06'	4.1	2.1W	19	61	4	0.18
260614	23:55:16.17	44°35.59'	110°44.59'	7.8	0.9	12	146	8	0.13
260615	00:22:26.00	44°34.93'	110°44.77'	4.9	0.6W	16	84	9	0.12
260615	10:33:11.67	44°35.25'	110°44.83'	7.4	0.9W	21	69	8	0.15
260615	10:34:47.39	44°35.34'	110°44.75'	8.0	1.6W	27	56	8	0.13
260615	10:36:04.84	44°35.24'	110°44.78'	5.6	1.2W	27	57	8	0.16
260615	10:39:49.29	44°35.35'	110°44.59'	6.1	0.6W	18	68	8	0.18
260615	10:40:14.60	44°35.26'	110°44.72'	7.2	1.0	16	69	8	0.15
260615	10:45:20.57	44°35.19'	110°44.89'	6.9	0.5	14	90	9	0.15
260615	10:50:58.99	44°35.14'	110°44.76'	5.4	0.9W	20	69	8	0.12
260615	10:51:38.25	44°34.60'	110°44.82'	3.9	0.5	16	84	9	0.14
260615	10:51:58.69	44°35.05'	110°44.89'	5.8	0.6	14	90	9	0.12
260615	11:03:15.96	44°35.17'	110°45.03'	7.3	0.7W	20	70	9	0.17
260615	11:19:05.49	44°35.31'	110°44.72'	4.3	--	13	87	8	0.20
260615	11:19:08.51	44°35.89'	110°44.88'	6.6	1.0	13	83	8	0.26
260615	11:19:24.85	44°35.71'	110°45.08'	11.6	1.2	10	87	8	0.25
260615	11:26:47.19	44°35.18'	110°45.21'	7.1	1.0W	25	71	8	0.18
260616	08:35:18.24	44°49.41'	110°27.29'	10.3	1.7W	28	87	11	0.17
260616	11:06:42.59	44°44.19'	110°48.43'	4.7	0.6W	17	127	7	0.11
260617	08:42:34.39	44°32.66'	111°04.44'	14.1	1.4W	25	132	7	0.18
260618	04:43:57.78	44°35.42'	110°52.43'	8.2	0.6	11	153	4	0.20
260618	05:34:38.17	44°35.23'	110°52.64'	8.4	1.1W	30	84	4	0.18
260618	05:49:43.99	44°35.24'	110°52.09'	6.9	0.3	13	149	4	0.19
260618	05:50:15.37	44°35.14'	110°52.21'	6.9	0.7	14	111	4	0.19
260618	05:51:01.44	44°35.15'	110°52.05'	5.0	0.2	10	151	4	0.11
260618	06:08:02.35	44°35.14'	110°52.83'	7.9	0.4	16	112	4	0.21
260618	06:08:19.02	44°35.39'	110°52.80'	7.6	1.1W	29	73	4	0.17
260618	06:22:52.45	44°35.33'	110°52.63'	7.8	1.0W	27	73	4	0.20
260618	07:45:58.63	44°35.75'	110°52.97'	8.1	0.8	10	113	4	0.19
260618	14:29:28.65	44°25.90'	110°24.50'	3.4*	0.5	12	127	11	0.12
260618	23:28:22.53	44°45.03'	110°24.33'	2.2	1.2	11	182	4	0.20
260619	09:53:16.39	44°47.21'	110°49.67'	4.3	0.3	22	102	2	0.18
260620	02:12:21.73	44°32.99'	110°22.05'	1.7	-0.2	9	107	3	0.21
260620	05:28:10.51	44°14.65'	110°54.73'	9.3	0.8	12	119	9	0.21

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
260621	20:10:59.05	44°45.61'	111°06.71'	8.9	0.5W	17	76	4	0.15
260621	21:50:52.39	44°46.95'	110°57.91'	8.7	2.3W	33	111	9	0.16
260622	07:55:46.47	44°49.48'	111°01.26'	8.8	1.2W	24	134	7	0.18
260622	08:51:31.61	44°49.73'	111°01.18'	8.0	0.5W	22	137	8	0.16
260622	12:01:29.59	44°49.71'	111°01.00'	8.3	0.7W	24	136	8	0.17
260623	03:59:37.87	44°49.54'	111°01.17'	8.3	1.6W	32	134	8	0.18
260623	08:57:22.04	44°49.70'	111°01.27'	7.7	0.7W	22	136	8	0.18
260623	12:53:20.55	44°49.54'	111°01.41'	8.5	1.5W	28	135	7	0.18
260623	12:53:53.57	44°49.36'	111°01.00'	8.5	1.1W	24	132	8	0.19
260623	15:45:47.36	44°49.66'	111°01.08'	7.1	0.6	19	186	8	0.19
260623	16:10:42.15	44°49.86'	111°01.23'	8.4	0.7W	18	189	8	0.18
260623	16:27:49.78	44°49.73'	111°01.25'	8.0	0.7W	17	187	8	0.15
260624	00:06:19.74	44°47.15'	110°30.36'	4.3	0.7	10	224	8	0.16
260624	00:08:45.35	44°49.79'	111°01.24'	9.0	1.8W	29	137	8	0.17
260624	02:00:07.95	44°21.96'	110°27.06'	8.0	0.9	11	132	8	0.14
260624	02:13:03.06	44°21.94'	110°27.44'	8.2	0.7	14	129	7	0.16
260624	02:19:37.43	44°22.01'	110°27.75'	8.8	0.9W	15	127	7	0.15
260624	02:47:56.80	44°21.72'	110°27.35'	8.9	1.0W	16	132	8	0.13
260624	03:04:05.18	44°49.46'	111°01.21'	8.7	1.7W	29	134	8	0.19
260624	06:14:32.26	44°49.73'	111°01.24'	7.6	0.2	15	187	8	0.16
260624	06:35:31.36	44°49.37'	111°01.13'	8.2	0.9W	26	133	8	0.19
260624	06:54:51.75	44°49.86'	111°01.24'	8.3	--	18	138	8	0.12
260624	06:54:53.08	44°49.60'	111°01.53'	8.0	1.3W	18	135	7	0.17
260624	08:30:16.56	44°49.25'	111°01.12'	8.0	2.1W	40	131	7	0.18
260624	09:58:26.49	44°50.07'	111°01.07'	8.4	0.5W	18	158	8	0.16
260624	10:25:40.56	44°50.06'	111°01.08'	8.7	0.9W	19	158	8	0.14
260624	14:40:24.10	44°48.98'	110°29.23'	6.6	0.9W	12	149	12	0.19
260624	14:59:05.47	44°49.07'	110°26.20'	10.4	1.8W	25	84	10	0.25
260624	15:50:31.63	44°49.26'	110°26.26'	10.4	1.9W	26	86	10	0.24
260624	21:10:42.97	44°45.84'	110°49.15'	4.9	1.3W	28	64	4	0.18
260625	09:05:16.94	44°49.54'	111°01.25'	7.4	0.2W	20	134	7	0.18
260626	00:00:31.42	44°23.28'	110°48.40'	2.3	1.0	10	108	7	0.05
260626	00:50:24.17	44°49.62'	110°27.14'	9.6	1.7W	25	87	11	0.21
260626	09:56:39.47	44°28.57'	110°22.47'	2.0	0.8	12	78	9	0.22
260626	09:57:09.07	44°28.63'	110°22.48'	4.4	0.8	11	92	9	0.05
260626	09:57:22.35	44°28.65'	110°22.39'	4.2	0.2	9	92	9	0.06
260626	09:57:36.86	44°28.60'	110°22.44'	4.4	0.9	10	92	9	0.05
260626	09:58:04.13	44°28.75'	110°22.29'	5.4	0.5	10	91	9	0.07
260626	09:59:58.26	44°28.62'	110°22.47'	3.2	0.4W	13	93	9	0.06
260626	10:03:37.78	44°28.65'	110°22.37'	4.3	0.4	13	92	9	0.07
260626	10:24:03.44	44°28.62'	110°22.54'	3.2	0.6	11	95	9	0.06
260626	23:30:19.97	44°47.33'	110°50.43'	4.3	0.9	13	123	1	0.11

DATE	ORIGIN TIME	LATITUDE	LONGITUDE	DEPTH	MAG	NO	GAP	DMN	RMS
260627	08:16:24.00	44°30.95'	110°35.56'	2.0	0.7W	16	87	9	0.28
260627	11:28:11.80	44°44.17'	110°47.25'	2.3	0.2	10	139	6	0.14
260627	20:33:56.47	44°27.14'	110°32.07'	2.1	1.1	10	146	5	0.14
260627	21:02:35.37	44°15.39'	110°28.07'	9.3	1.1	7	236	5	0.28
260628	01:08:36.63	44°21.79'	110°27.53'	9.4	0.9W	15	130	7	0.13
260630	14:38:46.34	44°45.90'	110°46.63'	2.8	0.8	9	190	6	0.06

Table 4. University of Yellowstone Seismic Network. Table shows operating seismograph stations as of June 30, 2026. Stations with Network Code WY are operated by the University of Utah Seismograph Stations. Other network codes denote stations operated by other agencies and recorded as part of the University of Utah regional seismic network. At the end of this report period 176 data channels from 48 stations were being recorded. Sensor and Digitizer entries with an asterisk (*) are operated by another agency and not shared here. For more information on the columns of this table, see the description after.

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
B206	Canyon206bwy2008, Yellowstone, WY	EH[ZEN]	3	PB	44° 46.66'	110° 30.70'	2400	IESE-S2	Q330	Digital	PBO
B207	Madisn207bwy2007, Yellowstone, WY	EH[ZEN]	3	PB	44° 37.14'	110° 50.91'	2182	IESE-S2	Q330	Digital	PBO
B208	Lakejn208bwy2008, Yellowstone, WY	EH[ZEN]	3	PB	44° 33.61'	110° 24.09'	2406	IESE-S2	Q330	Digital	PBO
B944	Grantt944bwy2008, Yellowstone, WY	EH[ZEN]	3	PB	44° 23.38'	110° 32.63'	2365	IESE-S2	Q330	Digital	PBO
B945	Panthr944swy2008, Yellowstone, WY	EH[ZEN]	3	PB	44° 53.64'	110° 44.65'	2249	IESE-S2	Q330	Digital	PBO
B950	Norris950bwy2013, Yellowstone, WY	EH[ZEN]	3	PB	44° 42.77'	110° 40.71'	2328	IESE-S2	Q330	Digital	PBO
FLWY	Flagg Ranch, WY	BH[Z12]	3	IW	44° 04.96'	110° 41.96'	2078	3ESP	RT-130	Digital	ANSS
IMW	Indian Meadows, WY	BH[ZEN]	3	IW	43° 53.58'	110° 56.58'	2670	3ESP	RT-130	Digital	ANSS
LKWY	Lake, WY	HH[Z12]	3	US	44° 33.91'	110° 24.00'	2424	STS-2	Q330	Digital	USGS
LOHW	National Elk Refuge, WY	BH[Z12]	3	IW	43° 36.76'	110° 36.30'	2245	3ESP	RT-130	Digital	ANSS
MCID	Moose Creek, ID	EHZ	1	WY	44° 11.45'	111° 11.03'	2137	L4C	PSN	Analog	USGS
MOOW	Moose Ponds, WY	BH[Z12]	3	IW	43° 44.92'	110° 44.69'	2128	3ESP	RT-130	Digital	ANSS
QLMT	Earthquake Lake, MT	EHZ	1	MB	44° 49.84'	111° 25.80'	2064	L4C	-	Analog	MBMT
REDW	Red Top Meadows, WY	BH[Z12]	3	IW	43° 21.74'	110° 51.18'	2322	3ESP	RT-130	Digital	ANSS
SNOW	Snowking Mountain, WY	BH[Z12]	3	IW	43° 27.75'	110° 45.31'	2390	3ESP	RT-130	Digital	ANSS

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
TPAW	Teton Pass, WY	BH[ZEN]	3	IW	43° 29.41'	110° 57.04'	2512	3ESP	RT-130	Digital	ANSS
TPMT	Teepe Creek, MT	EHZ	1	MB	44° 43.79'	111° 39.94'	2518	L4C	-	Analog	MBMT
YBB	Biscuit Basin, WY	HH[ZEN] HDF[1,2,3]	6	WY	44° 29.15'	110° 51.31'	221	Compact	Centaur	Digital	USGS
YDC	Denny Creek, MT	HH[ZEN]	3	WY	44° 42.51'	111° 14.60'	2025	Trillium 120	Centaur	Digital	USGS
YDD	Grant Junction, Yellowstone, WY	HH[ZEN], EN[ZEN]	6	WY	44° 24.00'	110° 34.80'	2400	STS-2, EpiSensor	Q330	Digital	USGS
YEE	East Entrance (YNP), WY	HH[ZEN]	3	WY	44° 29.12'	109° 53.81'	2270	Compact	Centaur	Digital	USGS
YFT	Old Faithful (YNP), WY	HH[ZEN], EN[ZEN]	6	WY	44° 27.05'	110° 50.24'	2292	Compact, Titan	Centaur	Digital	USGS
YGC	Grayling Creek, MT	HH[ZEN]	3	WY	44° 47.77'	111° 06.45'	2075	Trillium 120	Centaur	Digital	USGS
YHB	Horse Butte, MT	HH[ZEN], EN[ZEN]	6	WY	44° 45.07'	111° 11.71'	2157	Compact, Titan	Centaur	Digital	USGS
YHH	Holmes Hill (YNP), WY	HH[ZEN], EN[ZEN]	6	WY	44° 47.30'	110° 51.03'	2717	Trillium 120, Titan	Centaur	Digital	USGS
YHL	Hebgen Lake, MT	HH[ZEN], EN[ZEN]	6	WY	44° 51.05'	111° 10.98'	2691	Trillium 120, Titan	Centaur	Digital	USGS
YHR	Hawk's Rest, WY	HH[ZEN]	3	WY	44° 06.36'	110° 04.90'	2976	Trillium 120	Q330	Digital	USGS
YJC	Joseph's Coat (YNP), WY	HH[ZEN]	3	WY	44° 45.33'	110° 20.95'	2684	Trillium 120	Centaur	Digital	USGS
YLA	Lake Butte (YNP), WY	HH[ZEN]	3	WY	44° 30.76'	110° 16.12'	2580	Trillium 120	Centaur	Digital	USGS
YLT	Little Thumb Creek (YNP), WY	HH[ZEN]	3	WY	44° 26.25'	110° 35.28'	2439	Trillium 120	Centaur	Digital	USGS

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
YMC	Maple Creek (YNP), WY	EH[ZEN]	3	WY	44° 45.53'	111° 00.41'	2073	S13	PSN	Analog	USGS
YML	Mary Lake (YNP), WY	EH[ZEN]	3	WY	44° 36.20'	110° 38.63'	2653	L4C	PSN	Analog	USGS
YMP	Mirror Plateau (YNP), WY	HH[ZEN], EN[ZEN]	6	WY	44° 44.38'	110° 09.40'	2774	Trillium 120, Titan	Centaur	Digital	USGS
YMR	Madison River (YNP), WY	HH[ZEN], EN[ZEN]	6	WY	44° 40.12'	110° 57.90'	2149	Trillium 120, Titan	Q330	Digital	USGS
YMS	Mount Sheridan (YNP), WY	EHZ	1	WY	44° 15.84'	110° 31.67'	3106	L4C	PSN	Analog	USGS
YMV	Mammoth Vault (YNP), WY	HH[ZEN]	3	WY	44° 58.42'	110° 41.33'	1829	Trillium 120	Centaur	Digital	USGS
YNB	Norris Basin, YNP, WY, USA	HH[ZEN] HDF[1,2,3]	6	WY	44° 43.64'	110° 42.67'	2307	Trillium 120	Centaur	Digital	USGS
YNE	Northeast Entrance (YNP), WY	HH[ZEN]	3	WY	45° 00.46'	110° 00.48'	2343	Compact	ANSS-130	Digital	USGS
YNM	Norris Museum (YNP), WY	HH[ZEN]	3	WY	44° 43.59'	110° 42.22'	2311	Trillium 240	Centaur	Digital	USGS
YNR	Norris Junction (YNP), WY	HH[ZEN], EN[ZEN]	6	WY	44° 42.93'	110° 40.75'	2336	Trillium 120, Titan	Centaur	Digital	USGS
YPC	Pelican Cone (YNP), WY	HH[ZEN]	3	WY	44° 38.88'	110° 11.55'	2932	Trillium 120	Centaur	Digital	USGS
YPK	Parker Peak (YNP), WY	EH[ZEN]	3	WY	44° 43.91'	109° 55.32'	2897	L4C	PSN	Analog	USGS
YPM	Purple Mountain (YNP), WY	EHZ	1	WY	44° 39.43'	110° 52.12'	2582	L4C	PSN	Analog	USGS
YPP	Pitchstone Plateau (YNP), WY	HH[ZEN], EN[ZEN]	6	WY	44° 16.26'	110° 48.27'	2707	Trillium 120, Titan	Centaur	Digital	USGS

SEED Station	Location	SEED Channel	No. of Channels	Network Code	Latitude	Longitude	Elevation (meters)	Sensor	Digitizer	Telemetry	Sponsor
YSC	Slough Creek, Yellowstone (YNP), WY	HH[ZEN]	3	WY	44° 56.58'	110° 18.40'	1930	Trillium 120	Centaur	Digital	USGS
YTP	The Promontory (YNP), WY	EHZ, HH[ZEN], EN[ZEN]	7	WY	44° 23.51'	110° 17.10'	2384	L4, Trillium 120, Titan	PSN, Centaur	Analog, Digital	USGS
YUF	Upper Falls (YNP), WY	HH[ZEN], EN[ZEN]	6	WY	44° 42.76'	110° 30.71'	2394	Trillium 120, Titan	Centaur	Digital	USGS
YWB	West Boundary (YNP), WY	HH[ZEN]	3	WY	44° 36.35'	111° 06.05'	2310	Trillium 120	Centaur	Digital	USGS

EXPLANATION OF TABLE

Column 1, SEED Station: The SEED (Standard for the Exchange of Earthquake Data) station code used by the original operator.

Column 2, Location: General description of station location. YNP = Yellowstone National Park.

Column 3, SEED Channel: The SEED format uses three letters to name seismic channels. See http://www.iris.edu/manuals/SEEDManual_V2.4.pdf for information about the SEED channel naming convention. Relevant sections are reproduced below.

In the SEED convention, each letter describes one aspect of the instrumentation and its digitization. The first letter specifies the general sampling rate and the response band of the instrument. Band codes used in this table include:

Band Code	Band Type	Sample Rate	Corner Period
E	Extremely short period	≥ 80 Hertz	< 10 seconds
H	High broadband	≥ 80 Hertz	≥ 10 seconds
B	Broadband	≥ 10 to < 80 Hertz	≥ 10 seconds
S	Short period	≥ 10 to < 80 Hertz	< 10 seconds

Table 5. Description of the first letter (band code) of SEED channel naming convention.

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

Table 6. Description of the second letter (Instrument Code) of SEED channel naming convention.

The third letter specifies the physical configuration of the members of a multiple axis instrument package. Channel orientations used in this table are:

Orientation Code	Description
Z	Traditional Vertical
E	Traditional East-West
N	Traditional North-South

Table 7. Description of the third letter (orientation code) of the SEED channel naming convention.

Column 4, Number of Channels: Total number of waveform channels recorded.

Column 5, Network Code: The FDSN (Federation of Digital Seismographic Networks) registered network code. See <https://www.fdsn.org/networks/> for information about registered seismograph network codes. Network codes referenced in Table 3 are:

Network Code	Network name; Network operator or responsible organization
IE	Idaho National Laboratory Seismic Network
IU	IRIS/USGS Network; USGS Albuquerque Seismological Laboratory
IW	Intermountain West Network, U.S. Geological Survey
PB	Plate Boundary Observatory
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

Table 8. List of organizations operating seismic stations used by UUSS and their corresponding two-character network code.

Columns 6 and 7, Latitude, Longitude: Sensor location in degrees and decimal minutes; North latitude, West longitude.

Column 8, Elevation: Sensor altitude in meters above sea level.

Column 9, Sensor:

Sensor	Description
L4, L4C	Mark Products L4 or L4C short-period seismometer
S13, 18300	Geotech S13 or 18300 short-period seismometer
Ranger	Kinematics 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
STS-5A	Streckheisen STS-5A broadband seismometer
FBA23	Kinematics FBA-23 accelerometer
EpiSensor	Kinematics EpiSensor accelerometer
Applied Mems	Applied Mems accelerometer
PA-23	Geotech PA-23 accelerometer
Compact	Nanometrics Trillium Compact broadband seismometer
Trillium 120	Nanometrics Trillium 120 broadband seismometer
Trillium 240	Nanometrics Trillium 240 broadband seismometer
Titan	Nanometrics Titan accelerometer
Observer	Refraction Technology (REF TEK) Model 151 Observer broadband seismometer
R147	Refraction Technology (REF TEK) Model 147 accelerometer
IESE-S2	Institute of Earth Science and Engineering S-2 model borehole seismometer
Gsig-AC63	Geosig-AC63 NetQuakes accelerometer
Omni-2400	Geospace OMNI-2400
Silicon-ULN	Silicon Audio Ultra Low Noise

Table 9. Description of sensor short-names used in Table 3.

Column 10, Digitizer:

Digitizer	Description
K2	Kinematics Altus Series K2 (19-bit resolution field digitizer)
Etna	Kinematics 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	Kinematics Basalt (24-bit resolution field digitizer)
Taurus	Nanometrics Taurus (24-bit resolution field digitizer)
Gsig-GMS	Geosig-GMS NetQuakes (24-bit resolution field digitizer)
Centaur	Nanometrics Centaur (24-bit resolution field digitizer)
Obsidian	Kinematics Obsidian (24-bit resolution field digitizer)
Etna2	Kinematics Etna 2 (24-bit resolution field digitizer)
SMA	Nanometrics Titan SMA

Table 10. Description of digitizer short-names used in Table 3.

Column 11, Telemetry:

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

Table 11. Description of telemetry terms used in Table 3.

Column 12, Sponsor:

Sponsor/ Operator Abbreviation	Sponsor or Operator Name
USGS	U.S. Geological Survey
Utah	State of Utah
ANSS	Advanced National Seismic System
INL	Idaho National Laboratory
MBMT	Montana Bureau of Mines and Geology
EarthScope	EarthScope Consortium
NSF	National Science Foundation
PBO	Plate Boundary Observatory

Table 12. Description of organization abbreviations listed in the sponsor column of Table 3. For stations not operated by USS (network codes UU and WY), this refers to the operating organization instead of the sponsor.

NETWORK CHANGES DURING APRIL 1–JUNE 30, 2026

None.