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yr	date	origin time	latitude	longitude	depth	mag	no	gap	dmin	rms
86	329	1442 43.87	39° 13.84′	112° 0.12′	1.1	--	11	137	4	0.12
86	329	2309 3.00	39° 13.38′	112° 0.59′	3.5	--	11	143	3	0.24
86	330	220 24.32	39° 12.45′	111° 57.51′	1.5	--	7	176	4	0.26
86	330	252 12.77	39° 12.97′	111° 59.34′	4.3	--	9	173	3	0.05
86	330	312 41.87	37° 29.54′	113° 7.99′	9.5*	2.1	7	240	21	0.13
86	330	830 28.60	39° 13.37′	112° 0.24′	5.9	--	13	135	3	0.15
86	331	117 41.71	39° 13.56′	111° 58.52′	3.5	--	12	97	2	0.25
86	331	502 47.56	39° 12.40′	112° 3.68′	1.7	--	14	196	6	0.25
86	331	1245 0.75	39° 12.78′	111° 58.91′	3.5	--	13	104	3	0.24
86	331	1753 55.07	39° 13.57′	111° 59.94′	7.4	--	15	116	2	0.14
86	401	651 59.66	41° 29.87′	111° 43.30′	5.1*	0.6	8	193	23	0.31
86	402	641 7.68	39° 18.78′	111° 4.76′	0.7*	1.7	13	181	40	0.35
86	402	2324 13.71	40° 30.43′	111° 21.57′	7.9	1.0	15	108	13	0.23
86	406	1605 19.87	38° 11.64′	112° 16.11′	2.9*	2.0	8	158	36	0.16
86	406	2235 51.74	41° 51.21′	112° 36.86′	5.9*	1.2	13	208	25	0.40
86	407	723 58.17	39° 22.52′	111° 22.97′	16.2	1.5	8	202	31	0.28
86	407	1601 50.26	39° 16.82′	111° 54.94′	1.6*	2.3W	13	91	26	0.32
86	408	1459 11.73	39° 54.11′	111° 23.93′	7.0*	0.9	6	154	34	0.14
86	409	1853 51.90	38° 10.92′	111° 18.25′	0.3*	1.3	7	178	111	0.37
86	411	53 56.12	41° 51.15′	112° 41.90′	4.1*	1.7	11	222	32	0.11
86	411	107 38.63	38° 31.33′	112° 8.72′	0.6	1.6	8	124	3	0.21
86	411	112 6.08	41° 50.80′	112° 43.34′	6.4*	2.3	14	225	34	0.14
86	411	238 53.83	41° 51.17′	112° 42.74′	8.0*	1.0	9	225	33	0.21
86	411	307 20.23	38° 44.94′	112° 22.95′	9.1*	1.2	12	100	32	0.43
86	411	1157 18.37	41° 53.44′	111° 55.34′	6.9*	0.7	6	100	23	0.08
86	412	51 18.35	39° 42.78′	111° 49.05′	2.2*	0.8	7	148	20	0.21
86	415	24 5.95	40° 37.29′	111° 11.14′	3.9*	0.7	5	281	22	0.46
86	417	759 12.08	40° 31.01′	111° 31.97′	1.8*	1.1	13	84	12	0.16
86	417	1156 25.11	41° 52.24′	112° 37.90′	7.1*	1.1	6	216	26	0.23
86	417	1339 33.87	42° 1.74′	112° 33.22′	1.4*	0.9	11	199	14	0.25
86	417	1608 20.52	39° 19.52′	111° 6.48′	0.3*	2.2	13	199	37	0.39
86	418	2226 39.52	41° 52.47′	112° 38.79′	18.9	1.0	8	220	27	0.33
86	418	2346 38.03	39° 38.40′	111° 35.35′	4.0*	1.4	10	167	26	0.28
86	419	323 3.18	41° 53.28′	112° 35.99′	4.1*	0.8	8	210	23	0.18
86	419	351 55.17	41° 51.57′	112° 41.41′	7.8*	1.2	9	228	31	0.15
86	419	657 34.57	41° 51.43′	112° 40.43′	4.2*	1.0	9	225	30	0.20
86	420	745 46.34	41° 51.84′	112° 40.00′	7.2*	0.9	7	224	29	0.22
86	424	1539 28.23	39° 40.48′	110° 36.81′	0.5*	1.7	12	269	34	0.27
86	424	1835 18.03	41° 55.34′	112° 21.59′	4.4	0.4	8	102	3	0.19
86	425	716 46.22	39° 21.31′	111° 19.23′	14.1	1.5	8	111	19	0.29
86	427	1929 24.58	41° 51.70′	112° 41.48′	5.7	0.8	13	166	11	0.36
86	428	418 29.88	41° 52.95′	112° 37.06′	7.1*	0.6	10	146	17	0.11
86	428	633 49.39	40° 44.56′	111° 44.35′	2.8	0.4	14	103	7	0.27
86	428	835 9.33	40° 46.35′	111° 34.99′	7.0	0.6	12	129	12	0.24
86	428	1639 16.90	39° 42.66′	110° 42.07′	1.5*	2.2	12	267	25	0.32

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
86	430	1241 4.74	39° 13.93′	111° 31.69′	10.9	2.4W	8	205	11	0.22
86	501	16 37.19	39° 42.47′	110° 39.43′	3.7*	2.3W	11	209	29	0.23
86	502	624 36.02	39° 28.85′	111° 8.00′	6.9*	1.7	5	138	33	0.27
86	502	859 0.50	39° 16.07′	111° 11.19′	0.1*	1.5	10	155	31	0.44
86	507	2042 0.78	39° 59.95′	111° 53.78′	11.9	0.3	10	112	10	0.21
86	507	2046 9.46	39° 59.72′	111° 53.14′	7.4	0.5	11	117	10	0.22
86	507	2140 37.28	39° 57.64′	111° 54.03′	15.1	0.4	8	138	12	0.19
86	510	332 10.72	38° 44.57′	111° 32.12′	5.2*	1.6	6	104	50	0.08
86	510	524 22.97	41° 52.33′	112° 42.03′	2.5*	0.6	9	175	12	0.22
86	510	559 45.64	41° 51.01′	112° 40.52′	2.5*	0.9	7	154	11	0.13
86	510	703 33.03	41° 52.19′	112° 42.18′	8.5	0.8	15	175	12	0.37
86	510	750 15.43	41° 51.12′	112° 40.72′	6.1	1.3	17	156	11	0.27
86	511	126 3.83	41° 50.86′	112° 40.70′	1.9*	0.8	12	154	11	0.33
86	511	717 57.51	40° 18.52′	112° 4.18′	5.5*	1.0	22	73	16	0.26
86	513	444 23.45	41° 53.73′	112° 34.75′	2.0*	0.8	16	138	21	0.19
86	513	523 52.13	39° 49.92′	113° 15.07′	1.5*	1.5	13	269	101	0.24
86	513	1014 49.28	39° 51.95′	113° 18.87′	1.4*	2.3W	19	187	17	0.24
86	513	1019 8.62	39° 51.63′	113° 19.13′	1.3*	1.6	14	204	17	0.43
86	513	1029 33.31	39° 51.88′	113° 21.46′	0.5*	1.5	18	194	16	0.37
86	513	1106 27.53	39° 50.92′	113° 19.63′	0.5*	2.4W	22	188	15	0.32
86	513	1130 16.81	39° 18.39′	111° 6.59′	6.9*	2.0	15	98	37	0.30
86	514	1502 55.72	37° 17.66′	110° 19.16′	7.9*	3.1	15	255	63	0.46
86	514	1802 41.80	40° 21.09′	112° 5.09′	21.5	1.5	9	152	11	0.25
86	515	303 30.76	40° 39.99′	111° 35.26′	6.1*	0.4	9	110	14	0.13
86	518	1612 0.86	39° 35.31′	111° 15.93′	4.2*	1.9	15	87	30	0.24
86	523	2302 54.78	42° 7.79′	112° 28.98′	0.1	2.1	17	92	4	0.19
86	524	1249 23.21	41° 14.85′	111° 48.79′	13.5	0.4	12	201	8	0.18
86	524	1402 18.86	42° 17.00′	112° 37.62′	10.1*	1.1	14	184	47	0.20
86	524	1615 13.85	42° 17.34′	112° 38.82′	9.5	1.1	14	159	19	0.23
86	524	2135 59.94	42° 17.10′	112° 38.04′	9.9	1.5	14	157	18	0.18
86	526	704 14.93	42° 17.89′	112° 39.34′	8.1*	1.2	14	160	20	0.25
86	526	745 29.11	40° 22.45′	111° 52.16′	13.8	0.9	8	153	21	0.16
86	528	17 54.32	39° 46.38′	112° 47.44′	2.9*	2.8W	24	118	47	0.34
86	531	315 35.77	42° 2.82′	112° 31.86′	1.5*	0.8	19	150	11	0.30
86	604	1409 38.45	41° 53.68′	111° 31.08′	6.6*	0.9	11	258	23	0.16
86	605	741 21.00	41° 15.94′	111° 40.76′	11.9	2.8W	31	155	18	0.25
86	605	750 12.84	41° 15.05′	111° 43.07′	14.3	1.1	13	183	15	0.19
86	605	805 41.73	41° 15.99′	111° 41.03′	9.6	3.6W	17	153	18	0.25
86	605	812 40.11	41° 15.90′	111° 41.37′	9.6	1.9	21	179	17	0.25
86	605	1826 52.96	38° 33.16′	112° 38.65′	5.2*	1.3	8	116	41	0.35
86	605	1934 2.60	41° 22.94′	109° 40.64′	7.0*	2.7	6	295	171	0.45
86	611	1139 49.56	41° 6.66′	111° 36.64′	4.3*	1.5	20	185	21	0.27
86	612	327 52.18	39° 22.34′	111° 54.55′	2.4*	1.8	14	140	15	0.35
86	612	2119 32.78	39° 31.91′	112° 12.09′	3.1*	1.0	7	154	17	0.16
86	616	725 46.80	40° 44.14′	111° 59.68′	10.3	0.6	16	64	4	0.24

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86	618	308 32.56	41° 44.63′	111° 37.94′	12.4	0.5	10	215	13	0.08
86	619	1151 9.08	39° 13.62′	112° 0.90′	3.9*	0.9	7	129	22	0.22
86	619	1336 50.46	40° 34.88′	110° 41.72′	1.7*	1.4	13	258	46	0.45
86	619	2339 19.20	41° 46.57′	112° 11.48′	7.3*	0.9	12	74	20	0.26
86	620	1322 33.84	41° 50.86′	112° 35.56′	2.6*	0.6	11	126	17	0.27
86	623	1753 12.22	41° 29.02′	112° 26.56′	1.9*	0.6	10	156	11	0.19
86	625	2344 10.60	41° 46.70′	112° 11.68′	3.1*	0.6	10	107	20	0.27
86	628	2116 24.01	40° 19.53′	111° 22.78′	7.4	2.5W	32	105	14	0.27
86	630	2029 28.38	39° 32.92′	112° 12.42′	1.7*	1.1	13	110	19	0.39
86	701	1400 52.79	39° 13.55′	111° 58.08′	6.1*	1.2	7	115	24	0.21
86	703	2347 18.49	41° 46.57′	112° 11.01′	2.5*	0.6	13	109	21	0.29
86	707	1723 6.18	41° 37.32′	112° 0.95′	0.3	2.4	23	63	5	0.31
86	708	2343 8.84	41° 45.94′	112° 13.75′	5.5*	0.4	7	137	19	0.19
86	710	1156 45.76	38° 10.38′	112° 40.62′	2.3*	1.6	10	150	29	0.29
86	710	1928 47.88	42° 29.10′	111° 50.37′	9.3*	1.2	9	143	41	0.20
86	713	1608 58.52	38° 12.79′	112° 36.44′	0. *	1.6	8	161	36	0.09
86	714	212 23.88	41° 38.66′	112° 24.18′	6.4*	1.7	20	115	14	0.33
86	714	1633 11.73	39° 11.36′	111° 54.11′	8.6*	2.0	14	81	22	0.45
86	714	2343 13.37	41° 46.27′	112° 12.08′	9.9*	1.0	10	127	20	0.20
86	715	1020 30.05	41° 56.50′	112° 32.42′	6.4*	0.8	12	136	18	0.43
86	721	624 57.99	40° 25.23′	111° 9.68′	1.9	0.6	6	314	8	0.20
86	722	35 36.35	41° 46.36′	112° 10.76′	2.4*	1.2	13	121	21	0.19
86	723	130 43.70	41° 31.96′	112° 11.15′	0.7	2.0	18	70	8	0.30
86	724	430 20.48	38° 39.68′	112° 12.91′	0.9*	1.9	9	92	17	0.47
86	725	140 44.70	38° 36.17′	112° 14.32′	11.5	1.8	8	132	11	0.35
86	725	228 57.70	38° 39.79′	112° 13.85′	1.3*	1.5	9	103	17	0.37
86	725	235 30.66	38° 39.66′	112° 14.48′	1.4*	1.9	11	104	17	0.33
86	727	611 25.30	39° 36.23′	110° 27.21′	1.5*	2.2	15	238	49	0.36
86	727	1231 14.39	39° 14.11′	112° 4.32′	9.3	2.4	15	109	18	0.26
86	729	404 44.96	39° 38.92′	111° 55.01′	2.3*	1.9	16	122	19	0.28
86	730	819 7.85	42° 26.23′	111° 14.51′	7.0*	3.7W	13	208	53	0.95
86	731	333 28.23	38° 13.50′	112° 33.39′	1.3*	2.6	10	126	41	0.30
86	731	335 59.65	38° 15.53′	112° 32.73′	1.3*	2.3	9	144	43	0.29
86	731	1036 24.88	38° 13.20′	112° 36.38′	1.6*	1.7	11	123	37	0.38
86	731	2348 11.54	41° 46.56′	112° 10.77′	0.1*	1.0	13	66	21	0.29
86	731	2355 21.59	40° 46.34′	111° 54.10′	2.0	0.6	8	183	8	0.21
86	801	1550 28.75	39° 35.20′	111° 16.46′	2.6*	2.1	15	164	31	0.25
86	803	501 3.16	42° 24.93′	111° 29.97′	4.9*	1.6	14	175	41	0.31
86	803	735 4.76	42° 9.34′	112° 3.92′	13.4	2.2	23	95	15	0.23
86	803	1556 12.71	38° 35.71′	112° 12.50′	8.1	1.2	9	142	10	0.25
86	804	1700 9.85	39° 35.34′	111° 16.33′	5.6*	1.9	14	164	31	0.23
86	805	1605 30.07	42° 18.67′	111° 35.88′	11.3*	1.0	13	155	26	0.31
86	806	531 8.06	36° 48.09′	112° 20.33′	0.0*	2.0	11	244	117	0.50
86	806	1847 56.31	38° 12.61′	112° 31.19′	2.2*	1.2	6	165	43	0.23
86	807	537 12.99	41° 48.35′	112° 43.36′	7.9	1.9	17	146	5	0.29

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86	807	2231 22.94	39° 41.82′	110° 44.18′	0.3*	2.5W	14	254	23	0.32
86	812	340 53.51	41° 26.00′	111° 39.71′	3.3*	1.1	12	158	26	0.21
86	812	409 56.07	37° 50.25′	113° 5.14′	2.1*	1.0	7	129	18	0.20
86	814	2353 54.05	41° 27.83′	112° 15.59′	7.5*	1.1	8	153	52	0.32
86	818	2334 8.03	40° 34.60′	112° 6.10′	1.7*	0.8	8	123	13	0.47
86	819	1206 9.92	39° 54.02′	112° 0.07′	10.7	0.8	12	138	9	0.17
86	822	0 41.81	41° 46.34′	112° 11.02′	5.3*	1.1	15	67	21	0.18
86	822	1326 33.66	37° 27.15′	110° 32.38′	3.0*	4.0W	6	146	50	0.11
86	823	330 43.14	37° 35.01′	112° 27.26′	2.1*	1.8	8	225	55	0.37
86	823	1706 33.61	38° 57.47′	111° 25.75′	7.0*	1.7	7	187	31	0.90
86	824	158 45.01	42° 3.44′	111° 43.03′	9.4	0.8	11	144	9	0.21
86	824	1825 36.96	40° 42.46′	111° 29.45′	2.4*	0.6	10	159	12	0.15
86	825	529 25.75	41° 29.39′	111° 56.73′	18.4	2.5	7	186	8	0.14
86	825	1959 1.21	41° 49.12′	112° 13.86′	2.2*	1.1	16	129	15	0.19
86	829	142 21.45	41° 46.60′	112° 11.13′	11.3	0.9	12	122	21	0.27
86	829	826 24.33	42° 5.73′	111° 38.97′	3.8*	3.2W	15	123	34	0.14
86	829	845 45.20	42° 15.55′	111° 36.43′	25.9	1.9	10	149	45	0.45
86	829	937 34.74	42° 5.76′	111° 39.02′	1.3*	2.4W	16	123	34	0.14
86	829	947 53.18	42° 5.31′	111° 39.29′	5.7*	1.9	16	121	33	0.22
86	830	2241 37.22	42° 7.42′	112° 16.09′	4.0*	2.2	17	90	16	0.21
86	831	447 1.34	38° 57.98′	111° 25.14′	1.5*	2.5	16	147	31	0.44
86	903	1726 8.72	41° 49.92′	112° 19.82′	2.7*	0.9	13	149	11	0.28
86	906	32 53.11	41° 47.19′	112° 10.75′	8.5*	0.9	8	166	20	0.22
86	908	732 31.14	39° 50.24′	112° 1.53′	11.8	0.7	9	107	14	0.24
86	909	138 6.93	41° 49.81′	112° 18.22′	7.5*	1.7	14	167	26	0.20
86	909	2122 52.37	39° 32.58′	112° 13.80′	2.4*	2.0	13	157	19	0.29
86	909	2220 54.76	38° 38.33′	112° 31.92′	6.7*	1.3	11	122	53	0.40
86	912	1902 38.98	39° 23.09′	111° 54.67′	5.8*	1.3	13	93	22	0.37
86	912	1941 23.67	42° 22.44′	111° 32.40′	0.7*	2.3	14	167	53	0.27
86	913	447 34.48	38° 55.81′	111° 24.73′	4.9*	2.3	10	151	35	0.21
86	914	340 25.60	41° 17.69′	111° 28.45′	8.9*	2.8	34	154	19	0.34
86	914	345 23.59	41° 17.53′	111° 29.46′	6.2*	2.1	19	161	19	0.32
86	914	355 37.72	41° 18.20′	111° 29.81′	7.5*	1.0	13	211	18	0.16
86	917	2134 17.99	38° 57.19′	111° 21.72′	1.4*	1.6	8	193	35	0.25
86	919	1021 30.35	41° 28.66′	111° 42.06′	14.8	1.4	12	127	16	0.13
86	919	1041 28.20	41° 27.99′	111° 42.11′	7.5*	3.4W	27	70	16	0.27
86	919	1423 49.00	41° 27.36′	111° 42.40′	5.0*	1.3	14	110	17	0.25
86	922	1345 49.21	40° 37.29′	111° 4.10′	5.3*	0.9	6	308	28	0.31
86	923	1533 21.53	38° 35.75′	112° 33.72′	0.1*	2.3	14	75	50	0.42
86	923	1606 7.19	41° 38.52′	112° 3.56′	4.8	1.8	20	69	9	0.23
86	923	2028 17.97	38° 34.12′	112° 35.15′	0.1*	1.6	8	141	47	0.46
86	923	2028 28.24	41° 49.94′	112° 19.33′	4.6*	1.9	20	134	27	0.14
86	924	238 36.03	38° 35.13′	112° 33.71′	0.2*	2.5	13	105	49	0.40
86	924	319 43.05	38° 34.87′	112° 33.53′	0.2*	2.1	10	105	50	0.35
86	924	436 51.31	41° 38.28′	112° 4.09′	6.1	1.5	12	76	10	0.18

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86	924	927 39.41	38° 33.85′	112° 33.34′	0.1*	2.4W	9	131	50	0.31
86	924	1728 8.27	40° 42.20′	109° 26.82′	7.0*	2.6	13	230	156	0.51
86	924	1745 23.37	38° 40.65′	112° 32.94′	1.3*	2.1	8	97	51	0.37
86	924	2344 4.40	39° 18.24′	111° 6.67′	4.9*	1.8	9	177	37	0.33
86	925	1245 31.40	38° 36.72′	112° 33.09′	1.6*	2.6	17	103	51	0.47
86	925	1601 18.52	39° 31.88′	110° 20.29′	0.3*	1.9	14	248	61	0.43
86	925	1650 52.17	38° 35.51′	112° 33.54′	4.8*	1.8	11	76	50	0.20
86	925	2231 14.96	38° 36.14′	112° 33.29′	0.0*	3.1	16	103	50	0.46
86	926	741 20.58	41° 50.88′	112° 19.18′	19.8	2.5	16	99	9	0.39
86	926	744 55.61	41° 50.07′	112° 19.68′	4.6*	1.0	12	100	11	0.18
86	926	1615 45.75	38° 32.61′	112° 31.50′	6.5*	1.8	6	132	64	0.07
86	926	1628 11.72	38° 35.23′	112° 33.27′	0.6*	2.3	13	76	50	0.29
86	926	1718 2.55	38° 34.13′	112° 32.01′	3.5*	2.0	10	109	52	0.39
86	926	1724 3.84	38° 33.34′	112° 32.10′	2.7*	2.0	9	109	52	0.41
86	926	2334 12.61	38° 35.97′	112° 34.19′	1.8*	1.3	8	113	49	0.23
86	927	734 14.80	39° 33.64′	110° 24.19′	0.2*	2.6W	18	241	47	0.41
86	927	2238 16.43	38° 36.26′	112° 31.64′	1.4*	2.2	12	105	53	0.25
86	928	1021 9.94	41° 49.91′	112° 19.71′	2.0*	0.8	13	99	11	0.28
86	928	1648 4.76	41° 43.97′	112° 53.66′	1.5*	0.1	7	278	11	0.18
86	929	341 18.68	41° 51.03′	112° 18.18′	9.4	0.5	8	144	9	0.14
86	929	1934 50.68	38° 34.57′	112° 34.61′	0.1*	1.9	10	110	48	0.34
86	929	2038 36.44	38° 26.31′	112° 36.39′	16.7*	0.9	8	123	47	0.29
86	930	926 16.53	38° 30.33′	111° 51.69′	5.2*	1.7	10	122	55	0.23
86	1001	1044 3.52	38° 34.58′	112° 33.32′	4.0*	1.5	12	110	50	0.31
86	1001	1151 46.68	40° 49.07′	111° 49.26′	5.2	2.7W	23	78	4	0.27
86	1004	258 43.08	38° 35.12′	112° 34.11′	3.1*	1.8	9	111	49	0.22
86	1004	854 6.24	38° 35.90′	112° 31.81′	1.3*	2.1	11	105	52	0.37
86	1004	2333 16.76	41° 50.00′	112° 19.55′	11.4*	0.6	10	136	27	0.17
86	1005	13 13.91	41° 49.41′	112° 19.38′	8.9*	1.0	12	132	27	0.13
86	1005	56 23.76	39° 40.74′	111° 33.03′	2.4*	0.8	9	206	31	0.09
86	1005	57 14.27	41° 49.81′	112° 19.88′	3.5*	0.8	11	135	27	0.17
86	1005	213 8.61	38° 32.35′	112° 30.58′	3.2*	1.7	7	113	64	0.33
86	1005	618 7.76	38° 34.42′	112° 31.84′	1.5*	1.5	7	111	66	0.46
86	1005	819 28.88	38° 36.74′	112° 33.41′	1.4*	2.3W	15	69	50	0.42
86	1005	845 0.37	38° 39.72′	112° 34.66′	4.2*	2.3	11	97	50	0.31
86	1005	1007 11.02	38° 36.74′	112° 33.18′	0.3*	2.4W	15	69	51	0.31
86	1005	1547 33.43	38° 37.87′	112° 33.48′	0.3*	3.3W	15	101	51	0.38
86	1005	1559 48.46	38° 37.30′	112° 33.42′	1.2*	2.9W	13	101	50	0.24
86	1005	1651 14.43	38° 37.02′	112° 33.72′	1.4*	2.1	11	102	50	0.30
86	1005	2345 29.23	38° 35.95′	112° 33.14′	1.4*	2.4	16	76	50	0.29
86	1005	2346 56.99	38° 33.69′	112° 30.44′	0.3*	2.1	11	100	66	0.50
86	1006	1545 20.10	41° 50.32′	112° 39.66′	4.2*	1.4	10	188	12	0.13
86	1006	1548 53.86	41° 48.79′	112° 43.09′	8.5	0.9	8	192	6	0.38
86	1006	2145 48.96	41° 49.78′	112° 39.38′	5.8	2.2W	15	130	11	0.27
86	1008	918 5.68	38° 36.94′	112° 33.62′	2.9*	1.2	6	167	56	0.13

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86	1008	1128 31.60	38° 35.93′	112° 33.00′	6.9*	1.4	7	118	51	0.16
86	1008	1332 47.06	38° 38.06′	112° 32.71′	4.4*	1.5	9	123	52	0.36
86	1008	2343 22.10	38° 35.16′	112° 32.92′	5.2*	1.3	6	116	34	0.26
86	1009	828 24.39	38° 36.25′	112° 31.83′	5.2*	1.6	7	117	33	0.14
86	1011	2153 54.68	41° 46.78′	111° 38.01′	9.9	1.1	17	77	11	0.29
86	1012	1022 33.09	38° 35.52′	112° 33.30′	2.0*	1.3	5	159	66	0.30
86	1013	633 42.01	39° 13.01′	111° 58.90′	0.1*	2.2W	14	96	24	0.33
86	1016	2044 13.84	39° 32.61′	110° 18.43′	0.6*	2.3	17	241	49	0.48
86	1018	44 18.70	41° 15.49′	113° 6.95′	2.2*	1.3	12	219	61	0.21
86	1018	2121 29.02	42° 0.86′	111° 26.89′	7.2*	3.5	19	147	19	0.22
86	1019	1337 38.13	39° 13.57′	111° 58.04′	0.3*	1.9	11	115	24	0.28
86	1021	847 29.93	39° 13.33′	111° 58.78′	0.3*	1.5	14	96	24	0.23
86	1021	847 47.03	39° 13.91′	111° 59.13′	19.5	2.3	8	119	23	0.21
86	1021	854 59.58	39° 12.77′	111° 58.97′	2.2*	2.4W	15	97	25	0.32
86	1021	2116 13.20	39° 14.54′	111° 58.87′	16.2	1.4	7	116	22	0.17
86	1023	552 58.77	41° 50.14′	112° 20.01′	1.9*	0.7	12	103	10	0.18
86	1023	1607 42.60	39° 13.28′	111° 58.31′	5.0*	2.1	13	116	24	0.20
86	1023	1629 55.09	39° 13.81′	111° 58.41′	0.2*	2.2	15	96	24	0.26
86	1023	1709 38.10	39° 13.18′	111° 58.01′	3.0*	1.7	9	115	25	0.33
86	1023	1711 6.08	39° 12.80′	111° 58.83′	3.9*	1.1	7	120	25	0.36
86	1023	1923 15.68	39° 13.87′	111° 58.85′	0.6*	2.3	11	118	23	0.43
86	1024	1011 39.77	41° 51.55′	112° 39.46′	2.4*	1.1	10	151	13	0.32
86	1025	1001 9.42	41° 49.61′	112° 19.52′	2.9*	1.7	25	74	11	0.22
86	1025	1003 25.15	41° 49.51′	112° 19.00′	5.1*	2.6W	25	73	12	0.18
86	1026	208 57.42	41° 49.52′	112° 20.13′	2.2*	1.2	10	101	12	0.20
86	1026	1238 57.73	41° 49.49′	112° 19.29′	4.0*	2.5	21	96	12	0.19
86	1026	1406 50.84	41° 49.75′	112° 19.41′	7.7	1.5	13	74	11	0.15
86	1026	1431 56.67	41° 49.47′	112° 18.97′	4.1*	3.0W	27	73	12	0.26
86	1026	1444 41.07	41° 35.21′	112° 54.75′	4.8*	1.4	12	231	24	0.36
86	1027	834 48.27	41° 49.53′	112° 19.06′	1.7*	2.5	18	74	12	0.15
86	1027	2202 9.05	41° 49.53′	112° 19.12′	1.6*	1.4	17	74	12	0.17
86	1029	2031 44.45	40° 17.35′	111° 51.92′	5.3*	1.1	6	126	24	0.38
86	1029	2113 16.99	41° 49.91′	112° 19.61′	2.3*	1.6	14	74	11	0.16
86	1029	2213 14.48	41° 49.27′	112° 19.09′	4.7*	3.6W	19	75	12	0.15
86	1029	2222 22.35	41° 49.28′	112° 19.08′	2.5*	0.6	11	75	12	0.32
86	1029	2327 31.47	41° 49.50′	112° 19.31′	1.7*	0.8	13	74	12	0.19
86	1029	2343 42.97	42° 1.31′	112° 30.71′	5.3*	0.7	12	139	14	0.14
86	1030	5 42.79	39° 44.11′	110° 57.93′	5.6*	2.8W	11	242	68	0.20
86	1030	9 49.48	41° 49.28′	112° 20.06′	1.8*	1.4	13	75	12	0.24
86	1030	140 58.38	41° 50.17′	112° 19.32′	1.9*	0.6	10	130	10	0.20
86	1030	349 34.00	41° 50.46′	112° 21.22′	7.4	0.7	12	80	10	0.37
86	1031	1158 28.16	41° 49.38′	112° 18.97′	3.6*	3.5W	22	73	12	0.15
86	1031	1328 56.60	41° 49.95′	112° 19.28′	2.4*	1.3	9	107	11	0.12
86	1101	347 21.16	41° 51.64′	112° 21.70′	10.1	0.9	12	82	8	0.39
86	1101	1346 57.78	39° 43.13′	112° 4.48′	2.9*	1.2	11	83	26	0.33

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86	1102	824 30.61	41° 50.21′	112° 19.58′	1.8*	0.8	14	75	10	0.19
86	1103	1153 0.52	41° 49.81′	112° 19.58′	3.8*	2.3	19	74	11	0.16
86	1104	209 57.57	40° 29.20′	111° 21.63′	14.6	--	7	162	12	0.23
86	1104	1438 59.95	41° 49.62′	112° 20.18′	2.3*	0.5	11	89	11	0.28
86	1106	342 57.23	39° 22.79′	111° 54.25′	13.2	1.0	11	136	14	0.15
86	1107	131 53.66	37° 25.82′	110° 17.83′	1.3*	3.0	7	187	71	0.23
86	1107	1736 37.45	40° 28.86′	111° 20.16′	2.9*	0.1	5	173	10	0.22
86	1108	448 29.39	41° 49.68′	112° 18.98′	3.7*	2.7W	26	73	11	0.17
86	1108	636 43.03	41° 46.07′	111° 41.34′	13.7	1.8	18	71	8	0.19
86	1109	455 10.52	41° 49.56′	112° 20.18′	2.7*	1.7	16	76	12	0.29
86	1112	559 28.75	39° 23.09′	111° 55.35′	8.7	1.2	13	71	14	0.19
86	1113	1453 2.19	41° 50.22′	112° 20.69′	8.4	0.7	14	182	10	0.20
86	1113	2328 5.28	40° 42.68′	112° 5.09′	12.7	2.6W	35	53	2	0.22
86	1114	916 36.83	38° 34.11′	112° 35.11′	0.0*	1.3	8	115	36	0.47
86	1115	1239 47.95	41° 49.91′	112° 19.60′	2.1*	1.0	12	98	11	0.18
86	1117	2135 17.74	39° 32.88′	112° 12.74′	1.5*	2.4	14	103	19	0.31
86	1122	1115 47.00	38° 38.97′	112° 34.13′	0.4	1.2	10	171	4	0.25
86	1123	751 38.01	41° 49.46′	112° 19.66′	1.2*	1.5	24	75	12	0.18
86	1125	217 8.11	39° 14.91′	111° 56.08′	13.9	1.5	12	103	25	0.22
86	1126	13 3.66	42° 29.25′	111° 12.48′	1.4*	0.7	11	107	59	0.23
86	1126	13 9.86	42° 28.55′	111° 12.26′	5.7*	3.5	13	188	58	0.22
86	1126	938 26.99	41° 49.51′	112° 20.61′	2.0*	0.7	11	105	12	0.10
86	1126	2246 27.02	40° 42.25′	111° 41.13′	4.9*	0.5	8	86	10	0.18
86	1127	140 4.51	39° 18.93′	111° 9.33′	2.3*	1.9	10	118	33	0.35
86	1127	142 2.88	39° 21.18′	111° 7.95′	0.5*	2.2	15	119	35	0.37
86	1202	2303 8.96	41° 20.02′	111° 36.60′	8.9	2.4W	32	124	17	0.25
86	1204	1440 8.64	42° 14.03′	109° 38.74′	10.3*	2.9W	12	209	61	0.33
86	1205	1907 23.22	41° 38.66′	112° 23.99′	6.8*	0.6	7	189	14	0.20
86	1208	1827 25.99	40° 29.43′	111° 20.85′	9.8	0.7	10	111	12	0.15
86	1209	641 0.75	41° 50.14′	112° 19.65′	2.3*	0.5	14	75	10	0.20
86	1209	2344 46.33	39° 16.61′	111° 6.51′	7.0*	1.8	5	139	44	0.27
86	1211	2134 2.18	39° 32.18′	112° 11.85′	1.4*	1.4	16	66	18	0.44
86	1213	2250 16.26	39° 54.74′	111° 50.58′	8.9	1.3	12	79	5	0.21
86	1215	1356 9.71	41° 55.09′	112° 33.85′	2.9*	1.4	12	139	20	0.30
86	1218	238 9.98	40° 43.76′	112° 2.60′	9.1	0.5	17	96	2	0.28
86	1218	605 9.94	38° 39.68′	112° 35.46′	1.7	0.9	11	130	7	0.43
86	1220	1550 0.46	39° 43.70′	110° 56.13′	2.4*	2.2W	14	175	68	0.18
86	1221	1750 12.61	39° 19.82′	111° 8.22′	0.1*	1.4	13	115	35	0.37
86	1223	1132 40.52	41° 48.52′	112° 23.14′	9.3	0.4	11	115	14	0.28
86	1224	1510 60.00	39° 42.29′	110° 49.52′	3.1*	2.2	15	159	12	0.30
86	1225	2233 49.01	40° 48.03′	111° 38.84′	12.4	1.8W	27	65	13	0.22
86	1225	2235 27.97	40° 48.07′	111° 39.54′	10.1	0.8	17	89	13	0.29
86	1226	1231 57.38	39° 57.49′	111° 50.48′	1.7	1.5	14	107	9	0.28
86	1227	1228 53.75	40° 48.41′	111° 37.56′	8.2	1.0	23	135	16	0.26
86	1227	1303 8.88	38° 37.99′	112° 37.20′	3.3	0.7	10	122	7	0.37

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86	1228	708 45.30	38° 40.15′	112° 34.89′	0.5*	2.2	11	95	39	0.22
86	1228	737 32.01	38° 41.56′	112° 35.03′	1.0*	2.3	11	90	41	0.19
86	1228	2045 31.72	38° 39.29′	112° 35.20′	4.3*	2.0	8	141	39	0.11
86	1230	146 11.15	41° 54.27′	112° 41.36′	5.7*	2.1	16	179	16	0.25
86	1230	233 14.63	41° 54.28′	112° 40.93′	3.6*	0.9	8	177	16	0.20
86	1230	1904 44.92	41° 38.51′	112° 23.31′	7.7	0.7	8	112	13	0.18
86	1231	1121 56.48	41° 49.31′	112° 18.98′	4.7*	3.3W	18	73	12	0.16
86	1231	1201 47.89	41° 49.93′	112° 19.28′	2.0*	1.6	17	74	11	0.25
86	1231	2104 41.84	41° 49.54′	112° 19.07′	1.9*	0.6	12	96	12	0.27
87	101	234 2.97	38° 17.22′	112° 16.34′	2.3*	1.6	12	146	27	0.19
87	101	344 0.78	41° 40.79′	111° 42.46′	15.4	1.4	13	94	22	0.15
87	101	429 28.34	41° 49.96′	112° 19.29′	1.9*	0.4	11	74	11	0.18
87	101	1326 48.25	39° 18.75′	111° 7.23′	1.1*	2.1	15	114	36	0.42
87	105	542 29.64	41° 18.46′	111° 43.03′	9.7	2.4	21	126	18	0.33
87	105	1556 10.30	39° 17.11′	111° 59.16′	2.9*	1.1	9	109	19	0.16
87	106	1957 53.54	40° 39.92′	111° 35.86′	5.5*	0.6	12	75	14	0.10
87	107	242 53.37	41° 18.41′	111° 45.83′	10.7	2.3	25	95	15	0.30
87	108	151 4.92	39° 12.37′	112° 0.56′	0.2*	2.3	16	63	24	0.23
87	108	207 18.53	39° 13.49′	111° 59.74′	3.9*	1.4	7	123	23	0.33
87	108	1459 2.77	39° 43.95′	110° 56.13′	7.5*	2.7	14	175	68	0.18
87	108	2205 10.74	41° 38.78′	112° 23.15′	4.1*	0.6	10	111	13	0.20
87	109	1048 5.40	40° 29.86′	111° 21.11′	17.6	0.3	7	174	12	0.23
87	110	1102 26.62	40° 2.62′	111° 8.60′	4.0*	1.8	15	208	42	0.28
87	113	1046 6.55	39° 43.96′	110° 56.20′	1.2*	2.4	13	244	69	0.24
87	114	1852 46.76	38° 33.26′	112° 13.16′	1.6	1.4	8	104	6	0.22
87	116	2028 53.87	38° 33.80′	112° 12.51′	1.7	1.7	8	104	6	0.25
87	116	2033 19.79	38° 33.70′	112° 13.47′	0.0	1.7	7	106	7	0.27
87	116	2327 58.11	39° 1.90′	111° 37.76′	17.1	2.5W	12	83	17	0.20
87	117	1401 39.03	39° 20.77′	111° 7.77′	5.8*	1.8	10	118	48	0.21
87	117	1504 36.02	38° 6.97′	112° 38.83′	5.2*	2.3	8	133	31	0.27
87	117	1548 33.24	38° 6.08′	112° 38.25′	5.3*	1.7	7	160	32	0.17
87	118	543 14.79	38° 5.74′	112° 38.57′	5.3*	2.0	8	160	31	0.14
87	119	58 48.34	38° 33.34′	112° 12.81′	1.6	1.4	10	104	6	0.35
87	119	304 16.23	39° 20.22′	111° 8.79′	0.3*	2.5	15	116	34	0.38
87	119	1611 28.11	41° 3.48′	111° 4.53′	4.1*	1.5	13	199	60	0.27
87	119	2213 11.39	41° 38.58′	112° 23.14′	4.7*	0.6	10	112	13	0.23
87	119	2316 32.82	40° 29.60′	111° 21.37′	15.3	0.4	7	169	12	0.07
87	120	733 5.48	40° 29.07′	111° 21.40′	9.5	--	6	164	12	0.29
87	121	1006 33.03	39° 18.86′	111° 6.96′	7.5*	2.6	13	115	46	0.26
87	121	1252 53.53	39° 27.45′	111° 54.68′	13.1	1.1	10	97	8	0.24
87	122	1652 30.15	40° 28.15′	111° 22.25′	3.3*	0.4	5	146	12	0.18
87	123	344 59.08	41° 49.09′	112° 19.09′	2.2*	1.7	14	94	12	0.12
87	123	813 52.82	41° 48.96′	112° 18.72′	1.6*	2.1	16	75	13	0.12
87	123	1812 47.28	40° 28.61′	111° 20.63′	8.2	0.3	11	108	10	0.37
87	123	1812 54.47	40° 29.42′	111° 21.37′	9.6	1.3	19	106	12	0.29

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87	123	2122 56.74	41° 39.42′	112° 22.44′	9.4	0.8	9	166	13	0.16
87	128	2018 23.00	42° 3.74′	111° 56.65′	2.5*	1.5	16	86	15	0.20
87	129	1957 21.91	40° 16.21′	111° 49.07′	3.4*	2.3W	26	96	22	0.32
87	129	1957 47.15	40° 16.61′	111° 47.84′	3.9*	1.1	8	123	22	0.40
87	130	513 15.36	41° 48.83′	112° 19.49′	2.2*	0.7	13	76	13	0.23
87	130	2145 29.48	41° 38.88′	112° 23.74′	13.3	1.0	11	112	14	0.42
87	130	2257 55.40	41° 49.47′	112° 19.84′	1.7*	1.3	16	75	12	0.22
87	130	2258 36.20	41° 49.17′	112° 18.92′	4.3*	0.3	9	97	12	0.28
87	202	57 36.39	40° 28.89′	111° 20.52′	10.5	0.8	10	111	11	0.24
87	204	1601 32.58	41° 49.03′	112° 19.53′	2.3*	1.2	12	75	12	0.19
87	204	1607 56.52	41° 49.44′	112° 19.79′	4.2*	2.2	11	129	12	0.20
87	204	2315 45.19	39° 20.79′	111° 7.85′	6.8*	2.7	13	118	48	0.20
87	205	15 0.91	39° 20.83′	111° 7.55′	7.3*	2.4	12	119	48	0.26
87	205	1117 2.71	39° 20.50′	111° 7.91′	7.1*	2.8	13	118	47	0.16
87	206	1353 14.31	41° 18.58′	111° 7.43′	12.5*	1.8	18	194	36	0.35
87	207	35 2.24	41° 49.26′	112° 19.64′	1.9*	1.1	12	74	12	0.10
87	207	1729 40.16	38° 13.56′	112° 19.12′	2.2*	2.9	11	137	34	0.38
87	207	1959 24.04	40° 26.09′	111° 27.16′	10.0	0.7	9	152	7	0.17
87	207	2005 51.89	40° 25.84′	111° 27.18′	11.3	0.4	7	158	7	0.22
87	208	336 23.05	40° 25.68′	111° 26.72′	10.7	0.1	7	161	7	0.30
87	208	404 44.01	40° 25.71′	111° 27.28′	11.4	0.7	9	131	6	0.16
87	208	1041 15.53	39° 20.27′	111° 7.67′	5.4*	2.2	12	117	48	0.20
87	208	1826 1.02	40° 14.57′	111° 30.25′	6.5*	1.6	7	189	19	0.36
87	209	757 26.23	40° 29.25′	111° 21.41′	12.8	1.6	18	106	12	0.30
87	209	1041 58.81	38° 38.13′	112° 34.24′	6.9*	1.4	7	124	50	0.41
87	210	606 33.84	41° 29.09′	112° 17.61′	2.1*	0.7	11	134	13	0.13
87	210	839 35.79	41° 29.74′	112° 16.47′	18.7	2.4	19	84	11	0.37
87	210	1155 44.94	41° 29.17′	112° 16.66′	5.6*	2.3	12	82	12	0.18
87	211	435 30.44	39° 19.96′	111° 8.12′	7.4*	2.1	13	115	47	0.18
87	212	2101 47.65	39° 57.58′	111° 56.92′	5.3*	2.2	22	71	11	0.31
87	213	805 0.11	39° 58.51′	111° 56.91′	7.2	0.9	6	134	11	0.15
87	214	1011 51.02	39° 56.18′	111° 55.01′	6.7	0.7	10	85	12	0.11
87	214	1954 0.50	37° 47.05′	113° 49.28′	4.5*	3.2W	7	157	34	0.15
87	214	2005 19.91	37° 47.64′	113° 50.24′	2.2*	2.7	7	155	35	0.17
87	217	940 39.33	41° 38.06′	112° 12.59′	3.7	0.6	9	155	6	0.21
87	218	551 47.87	41° 20.21′	113° 17.78′	6.5*	1.2	8	274	66	0.14
87	218	637 9.16	42° 19.63′	111° 34.32′	9.4*	1.9	11	249	29	0.21
87	223	1057 16.99	39° 23.53′	112° 9.41′	3.1*	2.8	12	147	63	0.38
87	223	1511 13.68	40° 28.92′	111° 20.99′	8.9	0.8	16	108	11	0.41
87	223	1511 27.12	40° 29.39′	111° 20.28′	6.5	0.4	9	116	11	0.26
87	225	1230 33.50	41° 49.10′	112° 19.09′	3.1*	3.7W	21	74	12	0.18
87	225	1259 40.76	39° 20.20′	111° 7.68′	9.1*	2.9	12	117	48	0.20
87	225	1336 6.29	41° 49.87′	112° 19.12′	1.8*	0.9	15	73	11	0.20
87	225	1341 13.19	41° 49.65′	112° 19.52′	1.9*	0.7	11	74	11	0.10
87	225	1509 47.16	41° 49.77′	112° 18.72′	6.4	0.7	10	73	11	0.34

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87	225	1618 14.82	41° 50.04′	112° 19.49′	1.9*	1.3	15	75	11	0.15
87	225	1641 10.49	40° 11.98′	111° 28.52′	3.2*	1.2	10	204	24	0.27
87	225	1826 22.77	41° 49.42′	112° 19.33′	1.8*	1.8	18	74	12	0.16
87	225	1943 49.07	41° 49.87′	112° 19.19′	0.0*	2.6	18	73	11	0.17
87	225	2009 18.55	41° 49.96′	112° 19.80′	1.0*	1.2	18	76	11	0.20
87	225	2243 47.57	41° 49.49′	112° 19.45′	4.0*	1.9	16	74	12	0.25
87	225	2244 44.20	41° 49.39′	112° 20.39′	1.9*	0.6	15	76	12	0.31
87	225	2318 15.42	41° 49.30′	112° 19.63′	2.0*	1.5	17	74	12	0.21
87	226	1301 22.52	41° 49.54′	112° 19.43′	3.0*	2.8W	23	74	12	0.22
87	226	1551 26.74	41° 49.42′	112° 20.12′	4.0*	1.8	20	75	12	0.18
87	226	1817 17.68	41° 50.69′	112° 19.62′	1.6	1.3	15	85	9	0.16
87	227	2210 59.23	41° 49.12′	112° 19.24′	3.4*	2.9	18	75	12	0.14
87	228	524 25.47	41° 48.93′	112° 19.01′	6.1*	2.2W	18	74	13	0.15
87	228	1018 9.53	41° 48.83′	112° 19.39′	1.6*	1.8	13	95	13	0.17
87	228	2116 10.67	41° 49.71′	112° 20.08′	5.8	2.7	16	75	11	0.12
87	301	1158 37.63	41° 49.39′	112° 19.09′	2.4*	1.4	13	88	12	0.28
87	301	1320 29.16	41° 2.96′	111° 3.81′	7.0*	1.6	11	218	44	0.18
87	302	1216 4.73	40° 30.35′	111° 21.02′	3.4*	0.2	7	180	13	0.27
87	303	306 4.20	42° 15.69′	111° 35.47′	9.9*	1.7	13	256	23	0.27
87	303	1843 33.14	41° 49.82′	112° 19.44′	2.7*	2.5W	21	74	11	0.15
87	303	2256 13.65	41° 49.67′	112° 19.65′	1.9*	1.5	18	75	11	0.33
87	305	302 50.21	40° 25.45′	110° 35.47′	5.2*	3.7W	22	214	56	0.33
87	306	26 25.43	41° 50.46′	112° 19.87′	1.9	1.3	14	76	10	0.15
87	306	428 28.81	41° 50.10′	112° 19.60′	1.9*	1.7	20	75	10	0.23
87	307	732 4.71	41° 50.16′	112° 19.98′	2.0*	1.5	12	96	10	0.13
87	308	602 50.40	41° 51.19′	112° 19.72′	5.4	1.0	14	104	8	0.18
87	310	618 7.16	41° 52.80′	112° 42.48′	2.9*	1.1	7	180	12	0.13
87	310	637 0.33	41° 1.78′	111° 32.58′	11.3	1.0	16	184	17	0.28
87	310	705 24.84	41° 51.96′	112° 42.71′	5.4*	1.9	17	165	11	0.18
87	310	716 41.51	38° 9.54′	112° 39.97′	0.3*	1.7	11	111	30	0.43
87	310	728 12.56	41° 52.07′	112° 42.64′	3.4*	2.8	18	165	11	0.19
87	310	747 25.61	41° 52.43′	112° 43.09′	8.4	0.9	9	183	12	0.22
87	311	201 32.09	39° 56.06′	111° 43.26′	0.5	0.9	8	195	8	0.40
87	311	516 11.75	40° 15.74′	111° 48.54′	3.9*	1.6	13	107	21	0.15
87	311	1219 42.09	41° 52.20′	112° 41.80′	3.3*	0.9	9	172	12	0.30
87	311	1311 29.40	39° 14.70′	111° 37.77′	0.3	2.7	17	82	7	0.36
87	311	1531 2.93	39° 14.98′	111° 38.11′	1.3	2.9	23	81	7	0.34
87	312	705 2.78	39° 20.46′	111° 7.74′	7.5*	2.5	11	118	48	0.16
87	313	134 44.26	41° 52.57′	112° 43.23′	5.2*	2.1	17	185	12	0.17
87	313	254 23.40	41° 52.51′	112° 43.21′	4.1*	1.7	13	184	12	0.34
87	313	1302 59.36	41° 52.17′	112° 43.57′	6.2	2.0	16	186	11	0.27
87	314	1949 43.18	41° 50.68′	112° 19.85′	4.7	1.3	11	104	9	0.13
87	316	1129 35.79	40° 18.40′	111° 22.19′	13.9	0.1	6	273	15	0.07
87	317	637 31.22	41° 49.80′	112° 19.30′	4.0*	2.0	21	74	11	0.20
87	317	705 4.07	41° 49.40′	112° 19.39′	1.8*	1.7	15	74	12	0.18

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87	317	1507 58.37	41° 50.16′	112° 19.84′	4.0*	2.8W	18	75	10	0.20
87	317	1547 54.60	41° 50.26′	112° 20.08′	0.7*	1.1	13	77	10	0.18
87	317	1811 17.75	38° 56.60′	111° 22.83′	1.3*	2.2	6	253	35	0.38
87	318	307 10.17	41° 49.93′	112° 19.94′	1.8*	1.9	14	76	11	0.11
87	319	423 57.12	38° 55.10′	111° 27.82′	5.2*	2.0	8	146	33	0.36
87	319	503 49.46	38° 54.93′	111° 27.99′	4.7*	1.8	10	146	33	0.39
87	319	2038 33.59	40° 4.31′	111° 42.57′	7.3	0.9	9	154	11	0.11
87	320	2209 46.68	41° 16.03′	111° 40.44′	10.5	0.9	20	127	19	0.17
87	320	2219 40.52	38° 56.16′	111° 23.06′	0.7*	2.0	7	148	35	0.14
87	320	2222 30.97	41° 15.78′	111° 40.17′	11.6	1.5	22	128	19	0.16
87	320	2224 46.82	41° 15.66′	111° 40.12′	7.3*	1.8	28	118	19	0.24
87	321	119 35.79	41° 52.51′	112° 42.94′	5.0*	2.2W	19	169	12	0.16
87	321	441 42.20	38° 58.78′	111° 25.31′	1.3*	2.0	12	140	30	0.39
87	321	442 31.91	38° 56.33′	111° 22.99′	0.8*	1.5	9	148	35	0.25
87	321	1251 15.74	42° 1.88′	112° 31.08′	2.4*	1.1	10	142	13	0.16
87	322	241 55.10	41° 52.27′	112° 42.40′	6.7	3.4W	19	163	12	0.15
87	322	248 38.85	41° 52.55′	112° 42.46′	3.7*	1.9	14	179	12	0.34
87	322	300 21.10	41° 53.12′	112° 43.82′	3.3*	2.2	14	177	12	0.13
87	323	1113 23.22	41° 48.14′	112° 18.58′	3.1*	0.9	11	76	14	0.10
87	323	1132 21.86	41° 48.52′	112° 19.28′	1.9*	0.7	11	93	13	0.29
87	324	29 5.11	42° 0. ′	111° 27.18′	7.6*	0.8	12	168	19	0.21
87	324	32 57.21	42° 0.39′	111° 27.60′	3.5*	2.4	12	171	19	0.20
87	324	450 15.87	41° 59.57′	111° 27.92′	1.3*	2.3	16	138	20	0.24
87	324	609 39.01	42° 0.60′	111° 27.69′	3.8*	1.2	10	172	20	0.24
87	324	2020 59.93	40° 10.68′	114° 13.85′	1.3*	2.5W	20	242	88	0.43
87	326	1409 58.79	41° 6.13′	111° 32.91′	6.5*	0.3	11	162	30	0.21
87	326	1410 14.05	41° 12.06′	111° 46.93′	15.5	0.8	7	262	8	0.49
87	327	1127 5.89	38° 57.02′	111° 23.98′	0.1*	2.3	9	146	33	0.39
87	327	1128 49.69	38° 56.06′	111° 23.86′	0.1*	2.1	8	146	35	0.22
87	327	1131 59.44	38° 56.65′	111° 24.04′	1.4*	2.3	8	146	34	0.26
87	329	605 47.16	41° 25.28′	112° 49.98′	7.1*	0.9	11	187	36	0.20
87	329	1759 9.40	41° 50.55′	112° 19.85′	5.7	1.9	17	76	10	0.14
87	401	1536 9.08	41° 48.18′	112° 18.38′	2.2*	2.0	16	99	14	0.17
87	401	1640 41.08	41° 49.23′	112° 19.60′	5.6*	3.6W	18	75	12	0.17
87	401	1646 24.81	41° 49.47′	112° 19.65′	6.1	2.7	20	74	12	0.20
87	401	1654 10.85	41° 49.13′	112° 20.10′	4.7*	1.5	15	76	12	0.23
87	401	1735 36.10	41° 50.43′	112° 20.19′	19.4	1.3	14	77	10	0.35
87	401	1736 29.74	41° 49.72′	112° 20.28′	1.9*	0.7	15	76	11	0.16
87	401	2144 46.00	41° 49.34′	112° 19.67′	4.4*	3.3W	18	74	12	0.17
87	401	2400 6.52	40° 0.55′	111° 29.77′	0.1*	1.4	12	133	29	0.51
87	404	624 34.83	37° 40.66′	113° 1.47′	10.9*	3.1	6	140	119	0.09
87	404	634 38.98	41° 49.22′	112° 31.22′	5.0*	0.9	14	102	20	0.12
87	404	1914 20.49	38° 51.02′	112° 5.87′	1.0*	1.3	8	163	13	0.13
87	404	2230 43.86	41° 49.12′	112° 19.30′	4.3*	2.6W	22	75	12	0.14
87	404	2319 25.43	41° 48.90′	112° 19.15′	1.1*	0.5	16	76	13	0.15

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87	405	1636 17.22	41° 49.09′	112° 18.94′	4.1*	1.1	12	74	12	0.13
87	407	1522 53.07	40° 21.20′	110° 59.18′	5.1*	2.2	13	220	24	0.31
87	407	1526 34.69	40° 22.50′	110° 57.94′	4.0*	1.2	8	226	25	0.29
87	407	2028 19.38	41° 53.08′	112° 46.51′	7.8	0.9	13	216	12	0.36
87	408	130 47.54	40° 19.91′	111° 2.64′	1.6*	0.9	7	209	20	0.32
87	408	608 5.54	40° 24.08′	110° 54.75′	5.3*	0.6	10	232	29	0.36
87	408	2159 49.94	41° 15.15′	111° 34.47′	2.6*	0.8	11	177	26	0.27
87	409	2041 31.29	40° 28.61′	112° 30.81′	5.5*	1.3	10	140	35	0.23
87	410	233 8.06	38° 50.89′	112° 1.85′	1.7*	2.0	10	99	14	0.35
87	411	524 38.11	38° 56.88′	111° 23.42′	2.9*	2.1	10	105	34	0.20
87	412	909 27.15	41° 44.98′	111° 18.04′	3.3*	1.0	7	269	57	0.11
87	415	2316 27.82	41° 50.79′	112° 42.08′	4.4	1.7	20	153	10	0.13
87	415	2318 35.05	41° 50.90′	112° 41.98′	4.4	0.8	16	164	10	0.17
87	416	1315 59.41	41° 48.68′	112° 18.61′	4.2	1.3	16	75	1	0.16
87	416	1853 55.31	39° 55.64′	111° 54.44′	1.9*	2.0	13	59	11	0.28
87	418	2252 54.33	40° 47.40′	111° 41.65′	2.5	0.7	9	153	10	0.11
87	419	19 0.42	41° 51.41′	112° 41.63′	8.7	2.5W	25	154	11	0.18
87	419	217 29.08	41° 50.45′	112° 41.91′	10.4	0.9	7	159	9	0.26
87	420	704 54.30	41° 50.78′	112° 19.83′	6.2	0.9	21	77	2	0.19
87	423	540 45.88	39° 19.22′	111° 6.37′	6.3*	2.1	10	87	45	0.38
87	423	1006 53.61	41° 7.01′	111° 39.93′	9.3	0.8	16	136	18	0.26
87	423	1230 13.02	41° 50.43′	112° 20.00′	1.9	0.9	15	76	10	0.16
87	423	2338 42.84	41° 50.82′	112° 20.31′	5.7	1.0	21	78	2	0.23
87	424	337 49.55	41° 51.62′	112° 40.24′	6.5	1.6	17	157	12	0.17
87	424	355 0.60	41° 51.18′	112° 40.15′	7.1	2.5W	24	144	12	0.18
87	424	1216 56.10	41° 52.41′	112° 39.32′	2.8*	1.0	16	156	14	0.29
87	424	1217 23.23	41° 51.40′	112° 38.68′	4.9*	2.4W	17	145	14	0.19
87	424	1932 28.80	41° 51.20′	112° 39.33′	5.4*	3.3W	21	140	13	0.15
87	425	828 1.39	41° 57.76′	112° 23.85′	9.3	2.5	21	98	7	0.17
87	425	1359 20.78	38° 36.81′	112° 14.70′	1.5*	2.7W	11	92	13	0.27
87	425	1645 22.07	38° 36.30′	112° 14.34′	2.2*	1.6	8	89	12	0.31
87	425	1651 15.78	38° 7.28′	110° 11.66′	1.0*	2.0	7	226	135	0.33
87	425	1651 54.94	38° 35.50′	112° 14.76′	6.2	1.8	8	126	11	0.26
87	426	1343 58.42	41° 51.67′	112° 40.65′	9.8	2.1W	15	160	12	0.18
87	427	430 4.05	41° 50.79′	112° 39.59′	5.5*	2.5W	18	138	12	0.19
87	427	2031 39.24	38° 14.99′	112° 40.97′	1.2*	1.3	7	148	32	0.14
87	502	1131 27.84	39° 20.45′	111° 9.29′	0.1*	2.2	15	148	46	0.34
87	503	452 30.69	39° 30.88′	111° 29.90′	3.4*	1.0	11	139	28	0.23
87	503	2039 43.09	40° 32.40′	111° 23.24′	2.7	0.1	6	178	9	0.23
87	505	553 31.93	41° 51.57′	112° 39.24′	2.6*	1.5	17	150	13	0.28
87	505	1437 53.31	41° 52.03′	112° 40.16′	2.4*	0.9	13	158	13	0.18
87	505	1730 37.65	39° 13.20′	111° 58.31′	0.0*	2.1	12	95	25	0.22
87	505	2252 24.06	41° 49.63′	112° 19.62′	2.1*	1.5	17	75	11	0.20
87	506	1609 7.64	39° 32.49′	112° 12.72′	1.0*	1.8W	15	66	19	0.36
87	510	1503 5.93	41° 50.67′	112° 20.16′	7.1	1.7	19	77	1	0.16

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
87	511	1050 0.11	41° 50.81′	112° 19.45′	5.6	1.4	22	101	1	0.18
87	511	1913 23.92	39° 19.07′	111° 8.85′	8.9*	1.7	11	159	45	0.31
87	511	2057 27.03	39° 55.56′	111° 20.61′	11.0*	1.8	12	98	38	0.18
87	513	2152 39.58	40° 30.79′	111° 22.15′	8.7	1.8W	26	105	12	0.28
87	514	2032 10.56	38° 20.03′	112° 13.56′	2.3*	2.1	9	141	20	0.19
87	515	1932 41.73	41° 33.63′	111° 43.10′	8.0*	2.1	20	52	19	0.27
87	516	642 34.98	40° 26.82′	111° 23.84′	4.8*	0.4	6	188	13	0.08
87	517	1331 45.17	40° 28.38′	111° 21.26′	2.9*	0.6	6	161	11	0.30
87	517	1533 12.59	40° 29.67′	111° 21.50′	7.1	1.8	21	106	13	0.27
87	518	2202 38.00	38° 20.03′	112° 13.67′	4.0*	1.1	8	150	21	0.27
87	521	1104 20.62	38° 38.47′	112° 34.84′	4.4	1.1	10	89	4	0.15
87	524	1337 47.86	41° 36.48′	111° 38.21′	14.8	0.7	11	89	11	0.14
87	525	1708 19.34	41° 49.06′	112° 20.08′	7.6	2.1	20	150	1	0.15
87	526	122 43.20	39° 22.90′	111° 55.21′	12.3	0.8	11	79	15	0.24
87	526	1135 12.20	37° 17.72′	113° 40.92′	0.4*	2.9	7	190	100	0.27
87	526	1254 29.52	37° 19.57′	113° 40.82′	6.7*	2.8	6	188	98	0.46
87	602	203 31.33	40° 38.69′	111° 2.17′	8.8	2.1W	22	210	16	0.31
87	602	1706 3.16	39° 47.15′	110° 55.11′	4.8	1.2	6	209	9	0.52
87	603	1154 29.68	39° 44.20′	110° 55.43′	1.5*	2.6W	16	110	13	0.20
87	604	1311 12.07	38° 34.36′	112° 39.03′	1.5*	2.0	11	119	11	0.36
87	606	338 52.17	39° 44.35′	110° 54.61′	5.6*	2.2	13	114	12	0.14
87	608	29 19.90	39° 34.41′	110° 25.84′	8.9*	2.7	8	236	42	0.18
87	608	1517 51.55	38° 58.06′	111° 28.00′	2.7*	2.4	11	98	28	0.21
87	609	420 44.36	39° 30.54′	111° 6.39′	3.6*	1.5	10	101	42	0.38
87	609	1650 25.66	39° 31.15′	111° 6.25′	2.1*	1.8	9	100	41	0.40
87	610	153 34.72	39° 30.48′	111° 5.53′	5.1*	1.9	10	101	41	0.25
87	611	2125 2.60	38° 11.31′	111° 16.24′	0.4*	2.2	12	75	87	0.49
87	612	544 2.02	41° 51.28′	112° 39.51′	5.9*	2.0	21	141	13	0.13
87	616	423 29.22	39° 6.51′	111° 29.34′	3.9*	2.2	12	86	16	0.34
87	616	1751 28.38	39° 8.48′	111° 47.63′	8.4	2.0	12	77	14	0.19
87	616	2329 22.97	42° 7.88′	112° 41.98′	7.7	1.2	15	253	15	0.28
87	619	529 27.98	40° 30.79′	111° 22.02′	7.4	1.4	22	105	12	0.28
87	625	1527 3.69	39° 8.93′	111° 54.43′	10.7*	1.2	7	119	23	0.73
87	625	1558 34.04	40° 15.38′	111° 53.55′	11.8	0.9	10	115	21	0.17
87	626	719 12.72	41° 53.64′	112° 32.57′	6.8*	1.6	22	127	18	0.27
87	626	1236 27.09	38° 44.97′	111° 42.90′	1.4*	3.2W	13	88	40	0.34
87	626	1302 0.59	38° 44.56′	111° 42.68′	1.9*	2.4	10	89	41	0.18
87	627	1824 42.63	41° 35.46′	111° 40.03′	3.0*	1.1	12	81	14	0.43
87	628	1741 2.70	41° 50.70′	112° 19.52′	6.1	1.5	23	76	1	0.20
87	630	759 56.41	38° 47.20′	111° 25.43′	1.1*	1.9	10	112	48	0.49
87	630	947 27.60	38° 56.09′	111° 54.65′	3.5*	1.4	12	103	16	0.24
87	630	1654 42.22	41° 50.42′	112° 19.87′	7.2	2.5	23	76	1	0.15
87	630	2145 29.77	40° 46.85′	111° 43.27′	5.7	0.6	12	75	7	0.28
87	705	947 50.44	41° 50.61′	112° 20.09′	7.1	1.6	16	178	1	0.22
87	707	617 24.70	38° 36.17′	111° 52.63′	1.0*	1.7	9	97	28	0.36

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
87	710	2158 52.98	40° 47.28′	111° 42.29′	5.2	1.8	18	73	9	0.26
87	713	2028 31.90	39° 37.55′	112° 10.04′	2.2*	1.4	11	96	28	0.27
87	715	738 12.89	38° 40.32′	112° 35.10′	0.1	1.0	10	131	7	0.14
87	715	1806 30.88	39° 43.81′	110° 50.47′	2.2	2.5W	13	149	10	0.21
87	718	1617 1.03	38° 53.91′	111° 50.55′	6.9*	2.0	10	120	23	0.17
87	718	1637 33.55	38° 55.48′	111° 50.04′	2.5*	2.1	10	120	23	0.21
87	718	1709 37.99	38° 55.63′	111° 50.27′	3.6*	1.9	11	119	22	0.32
87	718	1720 24.13	38° 54.97′	111° 50.45′	8.0*	2.5	7	136	22	0.21
87	725	1654 40.14	42° 7.39′	112° 28.49′	6.5	2.8W	19	93	5	0.16
87	725	1658 46.11	42° 7.59′	112° 27.76′	2.3	1.9	13	86	5	0.17
87	725	1745 4.45	42° 7.66′	112° 28.19′	5.7	2.2	19	86	5	0.24
87	726	2017 12.86	40° 59.55′	111° 36.57′	12.6	1.3	10	143	15	0.16
87	731	30 59.16	39° 32.92′	112° 12.26′	0.4*	1.9	19	103	19	0.37
87	802	1920 46.86	39° 27.48′	112° 2.58′	4.9*	1.1	11	127	14	0.15
87	803	605 52.94	39° 43.70′	110° 56.12′	2.9*	2.6	12	109	14	0.18
87	803	834 45.90	39° 43.59′	110° 54.31′	8.3	2.0	9	189	12	0.18
87	803	1113 40.92	40° 49.36′	111° 36.67′	10.3	1.2	12	98	9	0.18
87	804	1822 28.50	41° 23.38′	111° 41.64′	7.6*	1.4	22	104	17	0.21
87	805	1106 17.97	42° 7.50′	112° 28.23′	8.0	1.6	22	89	5	0.23
87	805	1200 39.78	39° 27.64′	111° 54.31′	13.1	1.1	14	68	8	0.27
87	807	803 41.70	41° 17.69′	111° 43.89′	11.1	0.6	15	117	16	0.18
87	807	1442 22.70	41° 51.62′	112° 10.97′	2.4*	1.2	14	60	14	0.10
87	807	1959 26.53	39° 37.04′	111° 27.90′	1.5*	1.4	12	123	34	0.24
87	807	2002 36.57	40° 26.76′	111° 28.66′	7.5	1.1	5	129	6	0.10
87	809	2119 39.99	40° 5.21′	111° 41.66′	1.5*	1.7	17	88	12	0.26
87	812	215 16.83	42° 14.82′	112° 48.75′	6.7*	2.1	9	262	100	0.33
87	812	2005 43.27	42° 25.19′	111° 31.52′	0.3*	2.0	12	145	40	0.24
87	813	1306 13.95	40° 49.68′	111° 59.55′	7.6	0.7	16	78	13	0.23
87	813	1613 46.76	40° 49.52′	111° 59.52′	7.2	0.4	17	77	13	0.26
87	815	135 53.37	40° 50.10′	111° 59.15′	8.1	0.7	17	82	14	0.25
87	815	1234 26.99	42° 7.91′	112° 28.37′	1.8*	1.6	15	152	26	0.20
87	820	438 48.64	39° 10.65′	111° 54.96′	10.5*	1.7	11	109	24	0.40
87	820	942 29.61	41° 49.63′	112° 20.93′	2.4*	1.0	13	182	12	0.34
87	822	1618 34.71	40° 26.94′	111° 27.34′	3.8	1.5	6	134	7	0.13
87	824	803 54.46	38° 48.36′	112° 44.69′	5.7*	1.3	6	201	81	0.13
87	824	1814 40.48	40° 23.55′	111° 31.57′	8.6	0.5	9	193	2	0.13
87	825	1444 21.61	41° 51.81′	112° 10.77′	2.4*	0.9	17	71	14	0.18
87	826	7 19.59	40° 44.29′	111° 31.05′	10.3	1.4	21	110	15	0.25
87	826	1240 50.55	41° 53.45′	112° 32.61′	3.4*	2.6W	22	126	19	0.23
87	827	1742 21.25	40° 41.62′	112° 2.52′	9.6	0.9	18	69	5	0.22
87	828	2341 28.87	38° 42.52′	112° 30.83′	7.0*	1.1	7	168	37	0.34
87	828	2341 43.02	38° 42.93′	112° 30.47′	9.8*	2.8	11	113	37	0.39
87	829	14 34.97	38° 45.02′	112° 33.35′	7.0*	1.5	7	176	42	0.39
87	829	117 10.51	38° 43.76′	112° 33.34′	1.4*	1.7	6	166	79	0.12
87	829	135 4.50	38° 42.81′	112° 30.87′	0.7*	2.8	12	108	37	0.48

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87	829	142 8.09	38° 45.06′	112° 32.81′	3.6*	2.5	12	118	42	0.35
87	829	148 57.58	38° 44.22′	112° 32.39′	1.3*	2.3	9	117	40	0.36
87	829	156 29.34	38° 43.81′	112° 31.93′	1.8*	1.8	9	165	39	0.50
87	829	158 15.13	38° 43.27′	112° 29.80′	7.0*	2.6W	14	107	36	0.80
87	829	1636 55.57	38° 43.40′	112° 31.87′	5.3*	2.3	8	172	39	0.38
87	830	104 7.06	38° 43.65′	112° 31.56′	1.5*	2.0	8	116	39	0.31
87	901	2008 50.17	38° 42.49′	112° 30.83′	7.0*	1.8	9	168	37	0.43
87	901	2157 11.98	38° 35.15′	112° 36.37′	5.2*	2.2	9	222	38	0.35
87	902	31 54.63	38° 33.15′	112° 41.71′	0.1*	2.6W	8	178	46	0.31
87	902	102 25.72	38° 31.32′	112° 40.27′	1.4*	2.5	7	172	43	0.28
87	902	254 6.13	41° 31.93′	112° 47.51′	2.3*	1.4	15	201	28	0.15
87	902	500 20.87	38° 31.85′	112° 39.57′	2.4*	3.4W	8	164	42	0.50
87	902	639 26.64	38° 41.24′	112° 39.20′	0.9*	1.6	7	275	87	0.11
87	902	645 52.28	38° 31.39′	112° 40.48′	7.0*	2.1	7	172	44	0.84
87	902	1041 25.45	38° 31.71′	112° 40.53′	1.1*	2.9W	6	173	44	0.24
87	902	1632 41.09	41° 17.85′	111° 39.35′	10.5*	1.6	12	173	22	0.13
87	902	1715 38.46	38° 32.58′	112° 38.90′	0.1*	1.8	11	197	41	0.37
87	904	658 50.32	38° 42.49′	112° 32.74′	4.6*	1.8	7	172	39	0.23
87	908	229 48.74	41° 42.08′	111° 45.07′	16.2	0.3	10	108	12	0.18
87	908	229 53.90	41° 42.34′	111° 45.55′	10.9	1.3	13	76	11	0.26
87	908	1959 15.24	38° 37.14′	112° 22.84′	3.9*	1.6	8	249	21	0.29
87	909	32 12.10	38° 38.34′	112° 15.52′	0.5*	1.8	12	137	16	0.31
87	909	728 8.71	40° 19.09′	111° 23.12′	2.3*	0.4	6	266	15	0.15
87	909	822 20.87	40° 20.85′	111° 23.85′	0.3*	1.7	26	82	13	0.29
87	909	956 36.18	40° 20.83′	111° 22.58′	2.2*	0.3	6	247	13	0.29
87	909	1627 13.83	39° 20.13′	111° 8.93′	4.9*	2.8	12	114	34	0.28
87	909	1716 18.28	39° 19.20′	111° 7.88′	7.0*	2.7	10	200	35	0.25
87	911	1158 8.36	38° 31.86′	112° 40.04′	7.0*	2.3	7	172	43	0.93
87	913	242 33.20	40° 26.37′	111° 24.02′	7.4	0.7	10	152	11	0.21
87	914	725 32.83	39° 41.57′	111° 7.12′	6.9*	2.7	6	157	29	0.35
87	914	1523 51.97	39° 42.15′	111° 8.35′	5.2*	1.7	7	152	30	0.15
87	914	1642 9.32	41° 51.60′	112° 40.21′	6.1*	1.7	19	147	12	0.21
87	915	2047 47.82	40° 27.00′	111° 27.81′	0.1	1.4	7	131	7	0.10
87	917	831 26.85	41° 12.52′	113° 6.94′	10.2*	3.8W	27	217	62	0.15
87	921	800 49.72	41° 40.41′	111° 58.20′	5.8	0.9	6	228	7	0.25
87	922	33 5.34	38° 32.60′	112° 31.56′	2.9*	2.1	6	168	31	0.29
87	923	2325 32.22	41° 6.62′	111° 11.94′	7.0*	1.6	8	185	60	0.19
87	925	409 54.54	41° 12.41′	113° 8.14′	10.8*	4.1W	20	197	64	0.32
87	925	427 58.36	41° 12.81′	113° 7.91′	10.7*	4.8W	23	219	64	0.25
87	925	436 31.88	41° 14.65′	113° 5.78′	7.3*	1.3	7	301	63	0.11
87	925	449 31.49	41° 12.53′	113° 9.59′	5.5*	2.2	17	221	65	0.27
87	925	453 59.72	41° 13.21′	113° 7.24′	9.8*	1.3	12	233	62	0.22
87	925	518 13.58	41° 11.74′	113° 12.82′	6.2*	4.3W	24	239	68	0.26
87	925	536 34.23	41° 12.18′	113° 7.26′	10.0*	1.6	17	218	62	0.15
87	925	603 49.01	41° 12.53′	113° 6.30′	9.2*	1.5	22	216	62	0.30

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87	925	610 40.20	41° 11.58′	113° 6.06′	9.2*	1.3	19	215	60	0.22
87	925	633 55.78	41° 13.50′	113° 8.51′	7.1*	2.0	12	220	64	0.16
87	925	713 48.98	41° 12.40′	113° 12.27′	5.6*	1.9	15	225	68	0.19
87	925	721 16.82	41° 13.52′	113° 7.14′	6.0*	1.4	10	233	62	0.17
87	925	739 30.96	41° 11.87′	113° 6.88′	8.0*	2.3W	26	194	62	0.25
87	925	748 41.12	41° 13.05′	113° 5.65′	10.6*	1.5	12	215	60	0.20
87	925	839 9.96	41° 11.49′	113° 9.02′	10.6*	1.5	24	197	64	0.33
87	925	840 51.18	41° 12.35′	113° 6.14′	9.5*	1.4	8	259	61	0.05
87	925	1028 1.34	41° 12.46′	113° 5.70′	5.7*	1.6	14	214	61	0.31
87	925	1413 14.11	41° 12.02′	113° 6.35′	6.9*	2.0	19	195	61	0.26
87	925	1512 3.42	41° 12.76′	113° 7.46′	11.3*	2.3W	21	218	63	0.16
87	925	1651 56.08	41° 12.37′	113° 7.12′	6.1*	1.2	14	218	62	0.36
87	925	1735 39.26	41° 12.26′	113° 8.60′	7.1*	1.5	14	219	64	0.35
87	925	1810 43.94	41° 13.35′	113° 10.92′	5.8*	1.6	12	224	67	0.26
87	925	1818 24.52	41° 13.36′	113° 6.88′	13.1*	1.1	11	271	62	0.21
87	925	2100 46.00	41° 10.91′	113° 5.04′	6.6*	1.4	20	191	58	0.22
87	926	28 2.11	41° 12.54′	113° 9.00′	10.1	4.0W	31	221	6	0.27
87	926	655 46.60	41° 12.84′	113° 10.95′	7.7	2.3W	21	86	13	0.20
87	926	1018 17.46	41° 12.44′	113° 10.65′	6.5*	1.8	17	87	14	0.24
87	926	1447 49.38	41° 12.01′	113° 10.70′	10.0	3.1W	21	88	14	0.18
87	926	2314 39.52	41° 13.00′	113° 10.66′	6.7	2.9W	22	88	13	0.19
87	926	2328 38.75	41° 12.52′	113° 10.36′	5.0*	1.9	19	86	14	0.28
87	927	1634 59.18	41° 12.24′	113° 9.05′	3.9*	1.8	20	165	25	0.37
87	928	28 24.94	41° 12.48′	113° 10.36′	5.0	1.6	16	86	8	0.23
87	928	606 52.25	41° 13.60′	113° 10.85′	9.2	4.0W	23	93	8	0.23
87	928	1422 45.85	41° 11.81′	113° 10.78′	9.1	2.0	20	89	9	0.23
87	928	2010 19.42	41° 11.73′	113° 10.24′	5.1	1.9	20	87	8	0.25
87	928	2032 22.32	41° 12.35′	113° 10.42′	5.3	2.1	17	98	8	0.18
87	929	1417 36.78	41° 48.86′	112° 20.05′	2.4*	0.5	12	76	13	0.15
87	929	1428 25.14	41° 49.27′	112° 20.02′	1.6*	0.8	12	77	12	0.32
87	930	35 32.58	41° 11.65′	113° 9.23′	3.9*	1.3	15	138	16	0.29
87	930	1957 42.75	41° 11.27′	113° 9.62′	6.3	2.1W	22	84	8	0.22
87	1001	916 31.25	41° 12.70′	113° 10.83′	7.8	3.6W	25	86	9	0.21
87	1001	1614 43.72	41° 12.15′	113° 10.56′	7.1	2.1	21	87	9	0.21
87	1001	1656 4.67	41° 12.09′	113° 10.15′	3.8	1.6	15	84	8	0.22
87	1001	1700 17.71	41° 12.02′	113° 11.00′	9.0	2.0	21	89	9	0.17
87	1002	419 56.72	41° 33.67′	112° 25.30′	2.4*	0.9	12	185	15	0.23
87	1002	1214 24.18	41° 33.55′	112° 25.82′	5.3*	2.0	23	125	16	0.19
87	1002	1246 10.44	41° 33.68′	112° 25.44′	2.5*	0.9	10	134	15	0.25
87	1002	1435 48.79	41° 33.80′	112° 25.77′	7.7*	3.4W	25	124	16	0.18
87	1002	1626 9.31	41° 33.62′	112° 25.82′	4.8*	2.2	22	125	16	0.20
87	1002	1701 4.91	41° 33.60′	112° 25.76′	8.3	1.6	17	125	16	0.20
87	1002	2002 7.38	41° 33.96′	112° 27.78′	8.7*	1.1	8	209	18	0.15
87	1002	2020 13.83	41° 33.56′	112° 27.17′	2.7*	1.1	7	206	18	0.07
87	1002	2353 37.21	41° 33.68′	112° 24.73′	5.6*	1.9	23	122	14	0.30

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
87	1003	210 39.27	41° 33.05′	112° 24.65′	5.9*	1.3	9	124	14	0.24
87	1003	2033 58.64	41° 12.75′	113° 9.64′	4.4*	1.2	14	133	15	0.24
87	1004	144 35.26	41° 33.15′	112° 24.30′	4.3*	1.4	15	123	14	0.45
87	1004	1738 26.44	41° 33.52′	112° 25.49′	11.9	3.3W	20	125	15	0.21
87	1005	26 41.01	41° 13.50′	113° 11.37′	6.5	1.1	14	91	9	0.18
87	1005	1031 3.09	41° 12.13′	113° 10.52′	8.0	3.3W	26	86	9	0.20
87	1005	1250 43.82	41° 12.47′	113° 11.60′	6.3	2.3	14	96	13	0.12
87	1005	1633 43.74	41° 33.95′	112° 25.85′	2.2*	1.0	9	187	16	0.29
87	1005	2130 13.10	41° 13.18′	113° 12.93′	7.0	1.6	19	97	10	0.30
87	1006	444 25.79	41° 12.26′	113° 10.93′	6.5	2.6W	19	89	9	0.21
87	1006	1402 7.44	41° 12.09′	113° 10.64′	4.1	1.6	17	88	9	0.23
87	1007	50 10.23	41° 12.74′	113° 12.05′	6.5	1.8	14	132	10	0.12
87	1007	139 25.48	41° 11.93′	113° 10.96′	8.8	1.8	24	80	9	0.18
87	1007	1758 34.96	39° 26.44′	111° 22.53′	19.0	1.9	5	184	20	0.17
87	1008	1907 11.26	41° 10.82′	113° 5.89′	11.2*	1.5	14	215	59	0.31
87	1009	1044 9.10	41° 11.57′	113° 10.19′	5.6	1.6	13	155	8	0.24
87	1009	1207 54.54	40° 57.61′	111° 38.05′	11.1	1.3	15	175	13	0.29
87	1010	505 30.07	41° 12.55′	113° 11.17′	4.7	1.5	7	178	9	0.10
87	1010	937 34.06	37° 37.55′	110° 34.27′	0.9*	2.9	8	289	90	0.44
87	1013	1728 30.56	41° 33.36′	112° 26.44′	5.6*	1.3	9	90	17	0.10
87	1015	230 17.04	41° 11.58′	113° 9.61′	6.5	1.6	16	118	8	0.36
87	1015	845 2.54	41° 11.87′	113° 10.35′	7.3	1.8W	21	121	8	0.24
87	1015	1823 43.05	41° 11.94′	113° 11.27′	6.8	1.6	13	136	10	0.18
87	1016	1741 7.97	41° 12.18′	113° 11.58′	6.8	1.7	15	126	10	0.11
87	1016	2019 55.37	40° 22.16′	111° 20.28′	1.7	0.5	5	233	8	0.16
87	1017	137 45.75	40° 30.18′	111° 20.23′	9.4	0.5	10	118	12	0.19
87	1017	2343 17.66	41° 33.60′	112° 25.76′	6.3*	2.5W	23	112	16	0.31
87	1019	717 9.92	39° 40.11′	111° 25.52′	1.0*	3.6W	19	72	40	0.18
87	1020	339 32.97	41° 11.06′	113° 11.33′	9.6	1.7	16	118	10	0.19
87	1022	37 24.65	39° 15.24′	111° 10.29′	6.6*	2.2	8	160	32	0.08
87	1022	220 19.08	39° 52.17′	111° 52.41′	1.8	1.6	14	125	7	0.38
87	1022	1229 27.04	39° 18.81′	111° 12.84′	0.3*	2.1	10	153	28	0.33
87	1022	1300 51.55	39° 14.81′	111° 9.70′	5.8*	2.3	8	203	33	0.38
87	1023	554 0.27	41° 14.28′	113° 15.46′	17.3	1.3	14	176	8	0.39
87	1023	1944 50.45	41° 11.78′	113° 10.16′	9.5	4.2W	22	120	8	0.17
87	1023	2014 39.79	41° 11.68′	113° 10.29′	8.0	1.2	10	133	8	0.10
87	1023	2039 38.70	41° 11.59′	113° 10.54′	9.0	2.4W	16	119	9	0.14
87	1023	2325 23.15	41° 11.36′	113° 9.91′	8.3	2.0W	17	116	8	0.16
87	1023	2342 19.99	41° 12.92′	113° 11.92′	5.9	1.7	14	147	10	0.15
87	1024	24 27.65	39° 42.07′	111° 13.13′	7.0*	1.8	6	143	37	0.49
87	1024	24 32.99	41° 12.89′	113° 11.34′	7.1	1.8	13	132	9	0.19
87	1024	151 37.14	41° 11.70′	113° 9.77′	7.9	2.6W	19	119	8	0.15
87	1024	649 16.43	41° 11.77′	113° 10.21′	7.4	1.5	13	133	8	0.18
87	1024	1451 55.59	41° 11.56′	113° 10.02′	8.1	1.8	14	118	8	0.15
87	1025	435 22.87	41° 11.33′	113° 10.55′	9.0	2.4W	21	116	9	0.18

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87	1025	811 27.72	41° 11.50′	113° 10.05′	9.2	2.2W	9	131	8	0.21
87	1025	1043 2.85	41° 11.38′	113° 10.12′	7.3	2.9W	26	116	8	0.20
87	1025	1317 44.59	41° 11.83′	113° 10.52′	8.6	2.8W	23	121	9	0.19
87	1025	1937 23.55	41° 33.62′	112° 26.32′	4.8*	1.5	24	71	16	0.20
87	1025	2114 33.19	41° 56.23′	112° 34.15′	5.8*	2.5W	20	143	20	0.16
87	1026	416 0.94	41° 12.05′	113° 10.66′	9.4	4.7W	23	123	9	0.22
87	1026	432 34.49	41° 12.81′	113° 10.81′	6.5	1.8W	20	129	8	0.29
87	1026	539 13.77	41° 12.02′	113° 10.16′	4.9	0.8	9	135	8	0.15
87	1026	824 17.65	41° 10.11′	113° 10.60′	10.4	1.5	11	126	13	0.37
87	1026	1145 1.73	41° 11.61′	113° 10.25′	9.0	1.6	11	132	8	0.10
87	1026	1908 28.16	41° 11.03′	113° 10.33′	9.1	1.8	18	114	9	0.19
87	1026	1931 8.80	41° 12.92′	113° 10.60′	6.4	1.6	14	130	8	0.21
87	1026	2007 13.56	41° 11.84′	113° 10.42′	7.4	1.5	10	134	8	0.08
87	1027	223 37.25	41° 11.25′	113° 9.81′	6.8	1.7	13	115	8	0.25
87	1027	708 44.61	41° 11.46′	113° 10.58′	9.4	1.5	12	131	9	0.21
87	1028	434 28.69	41° 11.84′	113° 10.33′	6.9	1.2	13	134	8	0.14
87	1028	1730 16.26	41° 12.40′	113° 10.66′	8.3	1.9W	16	126	8	0.24
87	1028	2246 39.28	40° 35.83′	111° 26.79′	0.3	1.9	14	76	1	0.21
87	1028	2303 52.46	41° 11.13′	113° 9.60′	6.2	2.2W	24	114	8	0.28
87	1029	251 50.37	41° 11.29′	113° 10.50′	8.8	0.9	15	116	9	0.17
87	1029	342 21.73	41° 11.45′	113° 10.65′	8.8	1.7	18	118	3	0.16
87	1029	517 16.44	41° 56.34′	112° 33.59′	4.0*	1.5	18	142	20	0.26
87	1029	1109 26.38	39° 34.93′	112° 7.33′	2.9*	0.7	10	174	23	0.30
87	1029	1111 3.49	39° 34.61′	112° 5.50′	2.7*	1.1	10	121	23	0.31
87	1029	1408 51.37	39° 34.66′	112° 4.76′	3.0*	1.3	9	118	24	0.31
87	1029	1412 18.53	41° 11.85′	113° 9.85′	8.8	1.9W	16	134	4	0.10
87	1029	1843 59.93	41° 11.40′	113° 10.28′	8.2	1.2	10	152	3	0.11
87	1029	2120 50.90	41° 11.73′	113° 10.53′	7.4	1.0	10	159	3	0.26
87	1029	2131 44.53	39° 18.26′	111° 7.36′	9.1*	2.4	10	202	36	0.39
87	1030	807 36.32	41° 11.15′	113° 10.08′	8.6	1.6	21	115	3	0.24
87	1030	1017 50.98	41° 11.40′	113° 9.74′	8.5	1.6	17	117	4	0.25
87	1030	1225 39.55	41° 11.48′	113° 10.11′	8.3	1.4	10	152	4	0.11
87	1030	1846 26.40	41° 11.15′	113° 9.83′	8.1	0.9	8	145	4	0.10
87	1030	1906 34.15	41° 11.12′	113° 10.34′	9.8	1.6	18	114	3	0.14
87	1031	211 56.27	41° 11.43′	113° 10.05′	7.9	1.2	9	151	4	0.14
87	1031	354 55.97	41° 12.36′	113° 11.52′	6.2	1.6	10	140	3	0.09
87	1031	358 27.97	41° 11.84′	113° 11.59′	2.0	1.3	9	165	10	0.20
87	1031	611 1.11	39° 34.78′	110° 19.44′	10.3*	2.2	7	250	49	0.15
87	1031	722 2.72	41° 11.45′	113° 10.86′	8.6	1.5	16	118	3	0.16
87	1031	2017 45.66	39° 25.65′	112° 6.65′	8.1	1.1	11	101	8	0.19
87	1101	835 51.63	41° 12.39′	113° 11.66′	5.7	1.4	9	142	3	0.08
87	1101	1037 20.54	41° 11.95′	113° 10.25′	8.9	0.6	9	162	4	0.12
87	1101	1431 24.11	41° 12.07′	113° 10.45′	8.9	1.4	12	137	4	0.12
87	1101	2132 5.16	41° 13.11′	113° 11.29′	6.2	1.5	16	147	4	0.14
87	1101	2301 47.83	40° 20.68′	111° 44.09′	7.8*	0.7	9	135	19	0.12

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87	1102	604 37.47	41° 18.97′	111° 39.03′	13.3	2.1	24	125	20	0.24
87	1102	606 4.47	41° 18.88′	111° 39.32′	13.6	2.9W	28	115	20	0.26
87	1102	1217 4.91	41° 12.56′	113° 10.66′	6.8	0.9	9	176	4	0.09
87	1102	1225 31.47	41° 12.18′	113° 10.04′	10.2	0.9	9	166	4	0.15
87	1103	600 57.21	41° 11.67′	113° 10.70′	6.6	1.3	13	134	3	0.18
87	1103	846 5.99	41° 12.45′	113° 10.69′	6.7	1.2	10	140	4	0.06
87	1103	1138 13.28	41° 11.53′	113° 10.24′	8.5	0.9	8	154	3	0.08
87	1103	1201 32.10	41° 12.75′	113° 10.60′	7.0	0.8	10	177	4	0.19
87	1103	1658 19.57	41° 11.75′	113° 10.19′	6.7	1.5	14	120	4	0.09
87	1103	1834 6.38	41° 12.15′	113° 10.25′	7.0	1.6	12	137	4	0.08
87	1103	2236 32.70	41° 11.73′	113° 11.64′	5.6	1.1	11	122	2	0.11
87	1104	215 53.82	41° 55.51′	112° 38.44′	6.8*	1.1	16	166	20	0.24
87	1105	1035 8.70	41° 12.43′	113° 10.22′	6.9	1.1	9	126	4	0.07
87	1106	302 40.45	41° 12.20′	113° 10.70′	8.3	2.0W	14	124	4	0.14
87	1106	411 16.20	41° 11.81′	113° 10.57′	9.5	0.8	10	121	3	0.14
87	1106	503 23.56	41° 10.84′	113° 10.16′	5.6	0.7	9	114	3	0.12
87	1106	1259 11.01	41° 11.72′	113° 10.71′	6.9	0.6	10	120	3	0.17
87	1106	1259 21.70	41° 12.08′	113° 11.30′	9.0	1.4	18	125	3	0.20
87	1106	1259 48.25	41° 12.24′	113° 10.89′	6.6	0.3	7	171	3	0.12
87	1106	1452 13.96	41° 12.53′	113° 11.13′	6.3	0.9	11	128	4	0.26
87	1106	1639 24.36	41° 53.58′	112° 23.77′	6.4	1.6	21	92	7	0.17
87	1106	2108 26.14	41° 11.75′	113° 10.53′	8.0	0.9	10	120	3	0.09
87	1107	1752 34.25	41° 13.24′	113° 11.47′	7.7	2.7W	18	136	5	0.15
87	1107	2303 2.21	39° 18.56′	111° 7.78′	4.3*	2.0	9	117	35	0.30
87	1108	103 52.76	41° 12.83′	113° 11.30′	7.2	2.0	15	131	4	0.12
87	1108	2022 24.92	39° 42.61′	110° 54.81′	7.3	1.9	9	192	14	0.18
87	1108	2308 3.37	41° 11.73′	113° 10.39′	8.4	2.4W	20	120	3	0.17
87	1109	934 29.28	41° 11.28′	113° 10.10′	7.3	0.7	11	116	3	0.13
87	1109	1152 39.99	39° 30.06′	111° 5.33′	3.4*	2.6	10	102	42	0.24
87	1110	425 19.83	41° 12.42′	113° 10.35′	7.1	1.8	9	126	4	0.08
87	1110	758 38.03	41° 11.21′	113° 10.34′	6.8	1.0	9	115	3	0.07
87	1110	1856 46.54	39° 32.45′	112° 12.65′	2.7*	1.7W	17	66	18	0.35
87	1110	2357 12.06	39° 17.79′	111° 7.99′	0.2*	2.1	12	119	35	0.45
87	1111	449 50.86	39° 14.84′	111° 39.32′	0.3	2.7W	16	69	7	0.33
87	1111	720 6.69	41° 19.13′	111° 38.84′	13.2	1.7	16	125	20	0.21
87	1111	1422 9.27	41° 12.03′	113° 10.56′	7.2	1.5	13	123	3	0.08
87	1111	2121 11.61	41° 40.73′	112° 5.23′	5.2*	1.5	12	97	13	0.14
87	1111	2259 44.26	40° 26.66′	111° 26.70′	1.8	1.3	7	142	8	0.33
87	1112	1029 33.90	41° 11.82′	113° 10.60′	7.7	2.0	20	121	3	0.19
87	1112	2216 36.13	41° 10.96′	113° 9.66′	6.1	1.0	10	112	4	0.13
87	1113	407 45.75	39° 21.05′	112° 8.54′	9.9	1.7	16	78	4	0.24
87	1114	1043 11.64	41° 54.22′	112° 34.03′	8.3*	1.3	16	136	20	0.17
87	1114	1044 28.02	41° 13.49′	113° 10.97′	5.6	0.9	5	196	5	0.01
87	1114	1244 35.50	41° 11.25′	113° 10.14′	6.6	1.5	10	115	3	0.07
87	1114	1619 32.77	41° 12.56′	113° 11.38′	7.1	1.1	10	129	4	0.11

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87	1114	1658 35.47	41° 13.88′	111° 28.10′	7.0*	1.9	6	240	48	0.36
87	1115	953 37.84	41° 13.57′	113° 11.90′	5.5	1.1	8	139	5	0.23
87	1116	2208 45.51	41° 12.76′	113° 10.82′	7.1	0.3	10	130	4	0.18
87	1116	2208 53.37	41° 11.49′	113° 8.09′	1.7	0.9	11	115	6	0.40
87	1116	2218 50.65	39° 32.54′	112° 13.47′	2.3*	1.9	12	149	19	0.41
87	1116	2341 37.06	39° 33.44′	112° 11.90′	1.9*	1.7	13	146	20	0.31
87	1117	305 26.94	40° 41.26′	111° 36.09′	12.2	1.5W	17	77	16	0.21
87	1117	1620 45.31	41° 10.84′	113° 9.95′	7.5	2.8W	19	112	4	0.17
87	1117	1635 19.57	41° 11.29′	113° 10.47′	6.9	1.0	9	116	3	0.10
87	1117	1826 33.10	41° 11.03′	113° 10.11′	7.7	0.9	7	144	3	0.12
87	1118	34 55.44	41° 11.89′	113° 11.72′	6.5	0.9	9	166	2	0.08
87	1119	207 24.37	41° 37.72′	111° 27.48′	3.3	1.5	8	130	2	0.22
87	1120	1554 45.48	39° 19.64′	111° 7.26′	9.7*	2.6	9	140	36	0.17
87	1120	1708 59.43	41° 33.65′	112° 27.13′	2.6*	0.8	9	144	17	0.20
87	1120	2050 7.88	41° 33.27′	112° 26.73′	4.5*	1.1	8	143	17	0.17
87	1121	37 58.43	39° 18.96′	111° 7.39′	3.5*	2.1	9	142	36	0.22
87	1121	1158 36.03	41° 34.03′	112° 26.51′	2.3*	1.0	9	140	16	0.13
87	1121	2222 10.93	41° 11.17′	113° 10.99′	5.3	1.1	10	116	2	0.20
87	1121	2343 37.40	41° 11.57′	113° 10.55′	7.0	1.2	11	119	3	0.10
87	1122	357 17.97	41° 33.72′	112° 26.57′	6.7*	1.0	8	141	17	0.10
87	1122	1222 15.76	37° 31.63′	112° 32.36′	0.4*	2.2	11	164	76	0.37
87	1122	1234 49.44	37° 31.10′	112° 32.34′	7.8*	1.8	9	182	77	0.24
87	1123	1104 22.41	41° 11.85′	113° 11.48′	5.2	1.6	16	122	2	0.13
87	1124	935 26.10	39° 17.28′	111° 7.02′	3.5*	2.2	11	121	36	0.45
87	1124	1832 9.12	40° 1.06′	111° 12.42′	7.0*	1.0	9	129	40	0.19
87	1124	1901 54.34	40° 0.96′	111° 12.57′	7.0*	2.0	11	128	40	0.24
87	1124	1912 37.70	40° 1.01′	111° 12.52′	7.0*	1.4	12	128	40	0.27
87	1125	313 52.10	41° 33.74′	112° 26.87′	2.5*	1.2	11	71	17	0.17
87	1125	505 55.78	39° 22.21′	111° 10.89′	5.8*	1.8	8	129	31	0.31
87	1125	1708 33.95	39° 18.55′	111° 6.76′	8.0*	2.1	10	118	37	0.44
87	1125	1853 10.93	37° 39.11′	112° 28.16′	1.2*	1.8	8	222	69	0.43
87	1125	2320 9.53	39° 18.50′	111° 7.05′	7.1*	2.3	15	117	36	0.29
87	1127	943 46.89	41° 12.25′	113° 11.94′	6.1	1.6	11	127	3	0.16
87	1127	1445 43.05	41° 12.42′	113° 11.66′	8.8	1.6	16	128	3	0.11
87	1127	1528 43.82	39° 13.31′	112° 3.56′	2.3*	1.6	8	144	20	0.11
87	1127	1533 27.54	41° 11.61′	113° 10.40′	7.6	1.3	10	118	3	0.13
87	1127	2059 11.88	41° 53.75′	111° 29.10′	2.8*	2.1	14	116	22	0.16
87	1127	2205 43.71	41° 11.13′	113° 9.94′	7.7	1.0	10	115	4	0.11
87	1129	706 39.15	41° 53.21′	112° 35.28′	7.1*	1.6	19	138	20	0.16
87	1129	847 57.28	41° 38.31′	111° 28.35′	1.5	1.3	9	99	3	0.21
87	1129	1248 53.19	41° 10.93′	113° 10.76′	5.7	0.9	11	113	2	0.17
87	1129	1530 33.93	40° 21.43′	111° 43.60′	3.0*	1.4	14	106	18	0.41
87	1129	1558 55.74	41° 53.34′	112° 35.49′	6.5*	1.0	16	139	19	0.15
87	1129	1612 1.59	41° 54.48′	111° 29.86′	0.1*	1.8	13	120	23	0.35
87	1201	107 59.69	41° 49.31′	112° 20.00′	2.5*	1.3	14	75	12	0.15

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yr	date	origin time	latitude	longitude	depth	mag	no	gap	dmin	rms
87	1201	307 33.34	41° 11.37′	113° 10.45′	7.5	0.9	7	116	3	0.04
87	1201	1808 38.49	39° 19.01′	111° 7.39′	11.1*	2.2	8	116	36	0.11
87	1201	2232 2.50	39° 14.56′	111° 10.27′	2.4*	2.1	10	202	33	0.30
87	1202	1133 3.91	42° 2.62′	112° 31.06′	2.0*	1.4	12	144	12	0.15
87	1202	1417 2.10	41° 34.96′	111° 42.37′	6.6*	1.7	16	96	17	0.21
87	1203	28 35.37	41° 11.14′	113° 9.84′	6.4*	1.3	14	115	14	0.15
87	1203	210 39.80	39° 17.39′	111° 12.30′	7.9*	2.4	15	80	29	0.24
87	1203	611 15.02	39° 19.46′	111° 7.04′	7.5*	2.4	14	86	36	0.25
87	1203	2303 18.66	39° 18.86′	111° 6.81′	1.3*	2.1	7	143	37	0.50
87	1204	418 14.48	39° 15.46′	111° 10.29′	9.1*	2.2	7	201	32	0.11
87	1204	1507 46.61	39° 16.19′	111° 11.20′	13.0*	2.0	6	230	31	0.09
87	1205	1052 1.62	39° 18.96′	111° 7.66′	4.4*	2.6	12	85	35	0.28
87	1206	338 18.85	38° 43.85′	112° 29.84′	3.0*	1.9	13	125	37	0.26
87	1206	344 49.24	38° 43.94′	112° 29.58′	2.3*	1.6	12	125	37	0.21
87	1206	409 58.36	38° 42.49′	112° 28.96′	6.9*	1.0	8	127	34	0.28
87	1208	33 25.45	39° 17.74′	111° 12.47′	8.9*	2.3	11	119	29	0.29
87	1208	2139 7.28	39° 2.18′	111° 53.27′	2.3*	2.3W	15	82	19	0.21
87	1208	2142 48.63	39° 2.13′	111° 53.46′	8.0*	1.5	11	151	19	0.19
87	1209	1832 10.66	39° 17.62′	111° 12.30′	11.2*	2.0	9	113	29	0.16
87	1210	951 30.69	39° 19.36′	111° 7.61′	6.2*	2.4	14	85	35	0.31
87	1210	1949 16.77	39° 38.27′	111° 40.68′	7.8*	1.8	7	236	38	0.34
87	1211	222 30.49	41° 50.78′	112° 19.75′	1.7	0.9	11	90	9	0.18
87	1211	439 15.84	41° 11.78′	113° 10.17′	8.4	1.1	8	120	4	0.08
87	1211	1243 26.28	41° 50.52′	112° 19.62′	2.9	2.7W	27	99	10	0.22
87	1211	1305 32.72	41° 12.75′	113° 11.66′	6.9	2.1	19	131	4	0.14
87	1212	810 27.76	41° 50.55′	112° 19.75′	2.1	1.2	14	102	10	0.14
87	1212	1039 38.01	39° 15.01′	111° 4.42′	1.9*	2.3	6	211	41	0.46
87	1214	1620 55.18	41° 11.01′	113° 10.33′	9.1	1.0	11	128	3	0.15
87	1214	1639 9.60	41° 11.23′	113° 9.65′	9.2	1.4	12	115	4	0.11
87	1215	43 26.01	41° 52.62′	112° 24.09′	11.3	0.9	14	162	9	0.21
87	1215	451 17.87	41° 13.20′	113° 11.82′	8.1	0.8	9	136	4	0.12
87	1215	1800 10.81	41° 11.72′	113° 8.93′	5.4	1.6	16	118	5	0.15
87	1215	1939 35.44	41° 13.04′	113° 11.58′	7.8	0.4	5	188	4	0.02
87	1215	2349 2.45	39° 37.41′	111° 13.43′	7.0*	2.3	5	159	41	0.46
87	1216	108 58.12	39° 31.20′	111° 4.80′	1.5*	2.0	9	100	40	0.22
87	1216	1252 24.81	39° 18.27′	111° 12.74′	8.9*	2.0	13	78	28	0.24
87	1216	1253 2.24	39° 34.15′	111° 33.20′	21.8	2.2	7	221	28	0.19
87	1216	1743 7.50	39° 18.70′	111° 12.92′	0.5*	3.3W	26	78	28	0.44
87	1218	833 40.18	41° 12.06′	113° 10.73′	6.7	1.1	9	123	3	0.15
87	1219	153 51.31	41° 34.23′	111° 59.95′	3.3	1.0	12	70	6	0.14
87	1219	1354 3.38	38° 39.06′	112° 35.40′	3.3*	1.6	10	129	27	0.23
87	1219	2157 43.82	41° 11.35′	113° 9.85′	7.1	2.2	20	116	4	0.16
87	1220	1221 29.67	41° 10.84′	113° 8.99′	4.9	1.0	8	112	5	0.20
87	1221	115 36.62	41° 55.55′	112° 33.21′	3.0*	3.2W	25	137	19	0.21
87	1221	1542 3.23	37° 53.60′	113° 1.11′	3.4*	1.0	7	207	24	0.32

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
87	1222	1255 20.75	41° 11.53′	113° 10.20′	7.6	1.6	16	118	3	0.09
87	1222	1758 0.05	41° 11.17′	113° 10.21′	7.7	1.3	12	115	3	0.06
87	1224	2023 41.67	41° 12.80′	113° 11.16′	4.9	1.3	13	131	4	0.17
87	1226	140 24.90	39° 11.66′	111° 58.30′	7.8*	1.6	11	119	27	0.20
87	1226	140 40.61	41° 50.43′	112° 40.62′	8.4	0.7	5	160	11	0.05
87	1226	1848 44.92	39° 11.47′	111° 57.93′	1.7*	1.8	14	123	27	0.45
87	1226	2348 28.88	39° 34.79′	112° 2.27′	2.5*	1.5	10	149	21	0.24
87	1227	1043 58.30	40° 4.02′	111° 23.80′	2.5*	0.8	12	102	37	0.32
87	1230	1130 7.94	39° 43.71′	110° 52.20′	6.3	1.6	9	202	11	0.16
87	1230	1932 11.79	41° 50.78′	112° 19.64′	1.8	1.3	14	76	9	0.18
87	1230	2143 16.45	41° 50.85′	112° 20.19′	1.9	0.8	10	107	9	0.19
87	1231	2349 16.35	41° 55.49′	112° 32.97′	5.1*	0.8	10	135	25	0.21
88	101	1616 51.33	40° 18.14′	111° 49.23′	3.5*	1.4	12	113	25	0.23
88	102	404 17.41	37° 1.37′	112° 52.43′	1.4*	2.5	10	205	99	0.38
88	102	832 24.42	37° 39.53′	113° 6.84′	4.6	2.8	5	233	4	0.06
88	102	1528 16.45	37° 39.28′	113° 5.25′	5.8*	1.8	8	200	51	0.25
88	102	1856 49.62	41° 11.25′	113° 9.93′	8.7	1.3	14	115	4	0.12
88	102	2310 48.93	36° 59.82′	112° 54.36′	2.8*	3.5	12	206	77	0.32
88	103	1343 32.05	42° 25.20′	111° 34.62′	8.7*	2.0	11	140	59	0.21
88	106	1904 24.71	41° 11.37′	113° 10.42′	7.5	1.2	12	116	3	0.13
88	106	2110 10.41	41° 11.36′	113° 9.50′	7.4	1.3	15	115	4	0.23
88	107	25 57.89	40° 40.85′	111° 33.57′	2.2*	0.3	6	257	13	0.25
88	107	411 14.64	41° 12.80′	113° 12.05′	6.9	1.1	12	133	4	0.10
88	107	2343 15.04	40° 4.38′	111° 32.11′	4.1*	1.3	11	112	25	0.15
88	108	136 55.47	41° 11.10′	113° 9.99′	7.7	1.5	11	114	4	0.12
88	108	2132 31.66	41° 13.35′	113° 12.26′	5.3	1.8	11	138	5	0.15
88	109	505 24.23	39° 18.29′	111° 7.25′	5.7*	2.2	10	118	36	0.35
88	110	323 29.09	41° 51.46′	112° 19.58′	7.3	1.4	16	104	8	0.31
88	112	431 32.00	39° 17.86′	111° 7.65′	3.4*	1.9	8	120	35	0.30
88	113	2024 17.02	41° 10.86′	113° 10.56′	5.7	0.7	10	115	3	0.11
88	114	121 33.40	41° 15.63′	112° 42.26′	5.5*	1.3	14	106	29	0.25
88	114	558 32.98	39° 8.86′	110° 52.52′	3.5*	1.4	9	155	22	0.26
88	115	1405 54.29	39° 6.45′	110° 52.06′	1.9*	2.1	10	169	23	0.18
88	115	1408 19.12	39° 8.00′	110° 52.65′	2.7*	2.3	14	121	23	0.26
88	115	1409 23.49	39° 5.32′	110° 50.74′	2.6*	1.8	8	177	22	0.11
88	118	2159 11.80	38° 6.45′	112° 49.44′	2.4*	1.8	9	186	15	0.22
88	119	415 1.21	39° 5.15′	111° 26.70′	2.6*	2.5	11	139	20	0.40
88	119	1138 32.29	39° 7.89′	110° 52.72′	3.0*	2.0	10	161	23	0.32
88	120	716 18.67	39° 9.40′	110° 52.85′	1.5*	2.3	13	114	23	0.33
88	120	742 12.96	39° 9.10′	110° 52.39′	7.7*	2.5W	13	122	22	0.23
88	120	1949 32.37	42° 1.43′	111° 27.27′	0.2*	2.0	15	180	20	0.20
88	122	1822 44.83	39° 19.42′	111° 7.84′	7.6*	1.8	11	85	35	0.19
88	122	1933 20.59	41° 10.97′	113° 9.84′	7.3	1.1	11	113	4	0.12
88	124	1516 50.53	39° 18.45′	111° 8.67′	1.3*	2.4	13	161	34	0.39
88	125	1949 45.07	39° 42.30′	110° 38.10′	6.7*	2.9	14	202	20	0.22

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
88	127	923 42.90	41° 50.20′	112° 19.45′	2.8*	1.6	14	75	10	0.24
88	127	2248 12.45	41° 50.25′	112° 19.47′	6.9	1.3	10	75	10	0.16
88	127	2322 17.17	41° 12.85′	113° 10.98′	7.4	1.9	14	131	4	0.12
88	127	2335 0.16	41° 12.56′	113° 10.82′	7.1	1.0	8	128	4	0.08
88	127	2339 26.75	41° 12.90′	113° 10.80′	6.7	2.0W	22	130	4	0.18
88	128	1345 58.72	41° 11.43′	113° 10.64′	9.4	1.4	10	125	3	0.20
88	129	58 33.81	41° 12.21′	113° 10.26′	9.3	2.8	23	124	4	0.17
88	129	109 55.12	41° 12.38′	113° 10.49′	9.3	2.0	19	125	4	0.17
88	129	614 51.08	38° 38.12′	112° 34.22′	8.6*	1.3	9	124	28	0.50
88	129	923 28.67	39° 19.09′	111° 8.82′	4.3*	2.2	14	82	34	0.38
88	129	1101 6.70	41° 12.06′	113° 11.05′	9.9	1.4	14	123	3	0.14
88	129	2344 45.23	38° 38.05′	112° 35.64′	2.3*	0.9	11	126	26	0.35
88	130	144 33.65	41° 11.80′	113° 11.25′	9.5	1.9	12	121	2	0.12
88	130	537 13.27	41° 12.31′	113° 10.46′	9.1	3.1W	22	125	4	0.17
88	130	539 44.37	41° 12.16′	113° 10.72′	8.7	2.2	19	124	3	0.14
88	130	607 40.57	41° 10.89′	113° 10.75′	8.0	1.4	8	196	2	0.20
88	130	902 38.83	41° 12.17′	113° 10.74′	9.4	2.9W	24	124	3	0.20
88	130	917 30.10	41° 11.74′	113° 10.95′	8.9	1.5	15	121	3	0.13
88	130	1013 6.16	39° 38.39′	112° 1.35′	0.0*	1.2	10	149	24	0.29
88	130	1440 19.00	41° 12.74′	113° 10.55′	7.5	1.6	16	128	4	0.16
88	131	326 12.65	41° 50.88′	112° 19.73′	7.4	1.6	15	76	9	0.17
88	202	617 3.07	39° 13.20′	112° 0.11′	13.7	1.3	13	126	23	0.21
88	203	130 11.01	41° 50.42′	112° 19.24′	2.0	1.0	12	75	10	0.16
88	203	610 39.82	41° 11.46′	113° 10.26′	8.8	1.1	10	150	3	0.19
88	203	2312 33.56	41° 11.53′	113° 11.19′	7.8	1.2	13	119	2	0.11
88	204	1444 45.68	38° 38.88′	112° 3.11′	0.2*	2.1	13	119	18	0.23
88	205	227 13.95	41° 11.64′	113° 10.83′	9.7	1.3	13	137	3	0.05
88	205	805 53.39	39° 16.33′	111° 6.39′	1.7*	2.2	12	206	37	0.40
88	205	836 31.06	41° 12.34′	113° 10.99′	8.7	1.8	11	127	3	0.09
88	205	1008 15.94	41° 1.74′	111° 4.70′	4.3*	2.0	13	200	41	0.29
88	205	1614 3.61	41° 12.91′	113° 11.10′	7.4	2.9	14	131	4	0.13
88	205	2027 7.20	38° 40.32′	112° 35.26′	3.3*	1.3	9	131	29	0.35
88	206	626 2.25	39° 19.43′	111° 9.32′	8.7*	2.3	16	82	33	0.31
88	206	1840 11.30	41° 13.43′	113° 11.44′	6.3	0.7	6	195	5	0.01
88	206	2140 5.70	41° 2.64′	111° 40.45′	7.8	1.5	12	131	14	0.18
88	206	2150 32.09	41° 47.31′	112° 20.67′	6.8*	0.9	13	82	16	0.17
88	208	1603 40.77	39° 19.80′	111° 9.69′	8.2*	2.5	14	114	32	0.27
88	208	2343 41.66	39° 28.47′	111° 39.16′	2.0*	1.6	14	89	15	0.29
88	208	2354 1.64	41° 12.25′	113° 10.80′	8.7	1.8	13	125	3	0.17
88	210	414 44.05	41° 12.30′	113° 11.57′	4.9	1.0	8	174	3	0.09
88	210	1007 31.70	41° 12.85′	113° 11.69′	5.3	2.2W	18	133	4	0.22
88	210	1755 55.28	41° 12.92′	113° 11.72′	5.1	1.3	14	133	4	0.10
88	211	848 12.32	39° 18.01′	111° 7.59′	3.9*	2.3	12	119	36	0.30
88	211	1000 45.71	41° 11.92′	113° 10.99′	8.4	0.8	6	164	3	0.08
88	211	1544 15.52	41° 12.52′	113° 11.78′	6.4	1.5	9	129	3	0.05

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88	211	2127 35.48	41° 12.67′	113° 11.64′	4.3	1.3	11	130	4	0.10
88	211	2350 18.76	41° 12.28′	113° 11.35′	5.4	1.0	9	126	3	0.08
88	212	401 4.75	41° 51.43′	112° 20.14′	1.8	1.1	14	78	8	0.12
88	212	1057 19.01	41° 37.88′	112° 13.26′	5.3	1.9	14	79	5	0.16
88	212	1937 28.54	41° 13.67′	113° 11.50′	11.4	0.8	9	139	5	0.18
88	212	2323 49.46	41° 12.33′	113° 11.59′	5.1	1.3	11	127	3	0.08
88	213	828 8.64	39° 19.69′	111° 9.25′	6.6*	2.5	15	82	33	0.25
88	214	1236 42.04	41° 12.34′	113° 11.44′	5.5	1.3	9	127	3	0.10
88	216	2240 28.44	39° 16.73′	111° 5.82′	5.8*	2.2	6	236	38	0.10
88	217	209 6.42	41° 51.62′	112° 20.07′	7.5	1.5	14	78	8	0.20
88	217	350 4.52	39° 16.47′	111° 5.48′	1.4*	2.2	8	207	39	0.36
88	217	426 49.55	41° 10.98′	113° 10.06′	6.5	0.7	6	113	3	0.10
88	217	930 16.73	39° 16.05′	111° 15.97′	9.2*	2.2	7	188	24	0.17
88	217	1029 43.61	39° 19.78′	111° 9.12′	8.8*	2.0	6	197	33	0.09
88	218	121 5.27	39° 16.69′	111° 5.65′	3.2*	2.1	9	207	38	0.33
88	219	620 27.07	39° 37.55′	111° 59.34′	3.1*	1.2	9	139	20	0.28
88	219	1215 35.16	39° 15.46′	111° 10.10′	6.8*	1.9	7	201	32	0.19
88	219	1341 10.63	41° 12.95′	113° 11.05′	4.9	0.9	6	185	4	0.
88	220	454 36.46	41° 12.06′	113° 11.07′	8.8	1.6	16	123	3	0.11
88	220	510 36.37	41° 11.26′	113° 11.10′	7.4	0.9	9	116	2	0.10
88	220	812 4.81	39° 18.44′	111° 7.83′	0.0*	2.2	11	201	35	0.33
88	220	1450 53.35	39° 19.11′	111° 9.74′	1.4*	2.2	15	81	32	0.48
88	220	1524 12.20	41° 12.07′	113° 11.30′	5.8	1.1	9	125	3	0.06
88	220	1524 44.03	41° 12.38′	113° 11.58′	6.2	2.0	17	128	3	0.09
88	221	1622 38.29	41° 11.00′	113° 9.66′	7.0	0.9	9	113	4	0.15
88	221	1931 41.85	41° 11.46′	113° 9.96′	7.8	1.3	11	117	4	0.11
88	222	0 48.45	41° 12.58′	113° 11.70′	5.8	1.8	10	130	3	0.12
88	223	1318 44.55	41° 10.89′	113° 10.05′	6.4	0.7	7	113	3	0.09
88	224	2031 47.07	39° 17.87′	111° 13.30′	5.7*	2.4	11	143	27	0.45
88	225	305 24.35	41° 12.05′	113° 11.48′	5.7	0.6	5	169	3	0.01
88	225	454 4.78	41° 12.13′	113° 11.49′	5.8	0.5	7	170	3	0.05
88	225	630 56.22	41° 12.22′	113° 11.60′	6.1	0.7	6	172	3	0.03
88	225	1057 27.99	41° 13.55′	113° 12.14′	4.3	0.7	5	200	5	0.01
88	227	348 56.06	38° 39.64′	112° 35.73′	2.6*	0.9	8	157	27	0.19
88	227	1322 27.17	39° 15.02′	111° 10.03′	5.3*	2.0	8	202	33	0.36
88	227	2345 50.93	38° 41.63′	112° 32.72′	9.6*	1.2	9	132	33	0.19
88	228	841 9.48	38° 39.13′	112° 35.83′	3.2*	1.7	10	156	27	0.22
88	228	855 55.83	38° 42.73′	112° 32.55′	4.7*	1.5	8	134	34	0.15
88	302	203 20.99	41° 12.00′	113° 9.44′	8.6	2.8W	25	121	5	0.13
88	302	211 6.38	41° 11.77′	113° 10.23′	8.9	0.9	11	119	4	0.11
88	302	229 27.52	41° 11.72′	113° 10.16′	9.3	1.2	12	119	4	0.13
88	302	434 37.34	41° 11.73′	113° 10.18′	8.3	1.1	6	157	4	0.05
88	303	232 45.78	39° 37.63′	112° 10.66′	2.2*	1.7	9	141	28	0.36
88	303	1149 36.64	41° 52.06′	112° 21.75′	5.2	1.4	15	93	8	0.15
88	303	1549 8.62	40° 22.98′	111° 36.26′	2.1	0.3	6	245	7	0.35

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88	303	1944 7.59	39° 14.09′	111° 56.44′	8.0*	2.0	9	105	25	0.18
88	304	1123 28.48	41° 12.11′	113° 11.15′	4.8	0.8	9	125	3	0.09
88	304	1708 5.66	39° 14.83′	111° 11.46′	0.5*	2.3	9	128	31	0.39
88	305	1221 1.60	41° 11.28′	113° 10.32′	6.8	0.9	7	116	3	0.08
88	306	701 1.67	41° 10.68′	113° 9.88′	6.8	0.6	7	117	4	0.07
88	306	1126 50.78	41° 52.09′	112° 19.82′	0.4	0.8	10	106	7	0.21
88	307	605 23.24	41° 12.22′	113° 11.73′	4.9	0.9	7	172	3	0.09
88	308	1430 59.76	41° 11.63′	113° 11.51′	4.4	1.7	7	121	2	0.09
88	308	1509 14.15	41° 11.85′	113° 11.21′	3.4	1.1	8	122	3	0.13
88	308	1518 35.15	41° 11.90′	113° 11.33′	4.8	0.6	8	123	3	0.05
88	309	2358 56.30	40° 51.20′	111° 37.27′	8.4	0.9	11	184	8	0.12
88	311	242 23.09	41° 10.71′	113° 9.96′	3.8	0.6	5	137	4	0.11
88	312	1449 53.25	41° 2.54′	111° 4.79′	2.8*	1.8	14	215	43	0.25
88	314	1633 19.67	41° 59.93′	112° 35.62′	13.6	1.1	5	168	18	0.05
88	314	2249 35.57	39° 20.12′	111° 7.10′	0.4*	2.4	11	86	36	0.39
88	315	440 30.52	41° 12.22′	113° 11.17′	4.9	1.2	13	126	3	0.13
88	315	1341 10.12	39° 18.16′	111° 8.36′	5.5*	1.8	11	82	34	0.42
88	316	107 26.51	39° 32.56′	112° 13.47′	0.1*	2.2	18	157	19	0.36
88	318	2128 23.54	41° 11.08′	113° 10.32′	8.3	1.3	7	146	3	0.08
88	319	2312 36.47	38° 44.81′	111° 30.18′	7.7*	1.8	7	137	50	0.31
88	320	209 7.67	38° 45.23′	111° 30.52′	1.3*	2.0	8	137	49	0.45
88	320	423 41.49	38° 46.41′	111° 25.92′	1.4*	1.8	7	145	49	0.38
88	320	912 58.23	41° 10.92′	113° 9.97′	6.1	0.6	8	113	4	0.11
88	320	1056 25.12	39° 14.14′	111° 9.11′	5.8*	2.2	7	239	34	0.34
88	320	2147 53.87	39° 13.98′	111° 9.30′	1.6*	1.9	8	204	34	0.34
88	321	724 59.04	41° 13.33′	113° 12.19′	8.2	1.3	16	138	5	0.14
88	321	2225 54.19	41° 11.34′	113° 11.00′	8.7	1.2	10	117	2	0.11
88	324	535 47.66	41° 16.44′	111° 38.85′	8.6*	1.4	18	165	21	0.23
88	324	2009 3.72	39° 40.25′	112° 6.92′	12.5*	1.0	8	177	32	0.25
88	326	100 11.79	41° 11.85′	113° 11.06′	7.9	1.2	10	122	3	0.18
88	326	2034 47.17	41° 10.90′	113° 10.34′	5.8	0.9	9	113	3	0.21
88	329	1921 3.42	41° 29.64′	111° 43.05′	12.1	2.0	10	150	18	0.21
88	330	639 21.05	42° 23.01′	111° 32.97′	7.8*	2.5	15	142	35	0.17
88	330	803 19.56	39° 19.17′	111° 7.92′	1.4*	2.1	8	161	35	0.50
88	401	156 23.56	39° 43.66′	110° 51.99′	2.7*	2.1	11	208	11	0.24
88	403	440 37.29	39° 32.89′	110° 23.64′	0.2*	2.8	15	234	46	0.34
88	404	1856 55.43	41° 47.99′	111° 31.19′	12.3	1.4	17	104	13	0.22
88	404	2123 7.42	40° 30.43′	111° 21.24′	9.6	0.5	14	110	13	0.19
88	405	1646 17.99	39° 15.38′	111° 9.41′	6.5*	2.0	5	202	33	0.08
88	405	1752 14.10	42° 11.97′	111° 19.52′	1.5*	1.9	11	257	28	0.24
88	406	159 42.72	41° 51.94′	112° 41.17′	7.2	1.1	14	165	12	0.26
88	409	117 25.51	41° 34.61′	112° 21.56′	5.5	2.6W	33	62	10	0.18
88	409	154 4.45	41° 34.91′	112° 22.32′	1.9*	1.1	14	115	10	0.21
88	409	217 7.61	39° 14.97′	111° 10.12′	1.5*	2.1	9	202	42	0.26
88	410	1621 41.01	41° 54.00′	112° 22.12′	7.2	1.4	18	87	5	0.14

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
88	412	131 59.26	41° 59.48′	111° 52.04′	2.4*	1.4	15	105	16	0.17
88	412	136 45.43	41° 59.29′	111° 51.98′	3.8*	2.0	19	96	16	0.17
88	412	224 46.43	37° 5.93′	112° 45.00′	1.8*	2.2	11	198	98	0.41
88	412	235 32.84	41° 59.62′	111° 51.51′	6.2*	1.9	15	96	15	0.15
88	412	437 13.40	41° 59.58′	111° 51.29′	6.0*	1.7	15	103	15	0.17
88	412	438 34.13	41° 59.68′	111° 51.34′	6.6*	1.5	16	96	15	0.15
88	412	703 34.24	41° 59.59′	111° 51.31′	3.4*	1.3	14	103	15	0.18
88	412	1619 54.07	41° 59.90′	111° 51.46′	7.1*	1.4	14	106	15	0.27
88	414	811 47.01	39° 30.45′	112° 0.15′	1.6*	1.2	8	127	15	0.24
88	418	1806 54.40	40° 43.79′	112° 4.38′	11.8	0.6	13	111	4	0.22
88	420	53 23.60	40° 15.96′	111° 53.13′	3.9*	1.0	9	113	21	0.37
88	420	557 53.50	39° 13.74′	111° 9.04′	4.7*	2.1	7	241	35	0.25
88	421	623 4.11	38° 42.92′	112° 32.72′	3.1*	1.7	11	163	34	0.30
88	424	1254 31.25	39° 2.06′	111° 59.53′	7.7	1.9	12	135	11	0.12
88	424	1455 26.31	39° 18.02′	111° 54.99′	3.0*	1.3	8	100	23	0.34
88	426	1557 53.36	42° 25.86′	111° 13.65′	2.2*	1.5	10	180	53	0.34
88	426	2242 50.17	38° 43.91′	111° 57.28′	1.1*	1.8	10	190	28	0.25
88	427	347 59.00	39° 20.41′	111° 9.92′	9.2*	2.1	10	113	32	0.12
88	430	2010 8.42	39° 21.82′	111° 55.70′	9.5	0.3	16	77	17	0.27
88	430	2010 17.60	39° 21.55′	111° 56.11′	7.7*	2.5W	16	56	17	0.27
88	503	21 8.72	39° 32.88′	112° 13.49′	2.1*	2.4	15	149	19	0.33
88	504	20 46.67	39° 20.44′	111° 9.87′	9.8*	2.3	10	82	32	0.16
88	504	153 38.52	39° 18.26′	111° 9.47′	4.6*	2.3	15	80	33	0.38
88	504	541 18.69	39° 19.39′	111° 9.52′	8.9*	2.0	9	81	33	0.32
88	504	545 4.68	39° 20.18′	111° 10.27′	9.0*	3.0	16	82	32	0.16
88	504	1312 19.80	41° 45.99′	112° 22.97′	2.2*	0.7	9	101	19	0.20
88	506	1358 49.70	41° 13.17′	113° 11.40′	6.4	1.5	11	135	5	0.12
88	507	39 45.21	38° 19.18′	112° 32.13′	2.5*	2.0	11	137	35	0.15
88	507	2124 57.28	39° 19.26′	111° 10.26′	5.0*	2.7	17	80	32	0.40
88	507	2134 14.10	39° 19.17′	111° 9.80′	4.7*	2.9	11	81	32	0.39
88	508	309 7.44	39° 16.52′	111° 11.55′	6.9*	1.9	10	157	30	0.42
88	508	1931 1.34	41° 29.69′	112° 18.71′	7.9	1.7	8	111	12	0.17
88	510	515 15.13	41° 16.30′	111° 36.02′	8.1*	1.6	14	220	22	0.15
88	511	1031 30.09	41° 51.40′	112° 38.00′	7.9*	3.3W	21	206	27	0.12
88	511	1031 57.51	41° 50.65′	112° 34.81′	3.0*	1.3	9	257	23	0.37
88	511	1033 14.04	41° 51.73′	112° 37.41′	3.1*	0.6	14	214	26	0.22
88	511	1033 41.62	41° 50.85′	112° 36.91′	6.4*	0.8	15	203	26	0.17
88	512	2200 49.12	41° 45.44′	112° 46.75′	0.0	1.5	5	225	3	0.13
88	516	1529 17.92	41° 45.88′	111° 27.04′	10.6	0.4	6	174	13	0.11
88	516	1529 30.33	41° 59.25′	111° 51.63′	1.4*	1.5	16	102	16	0.19
88	516	2249 41.61	39° 32.36′	112° 13.75′	0.7*	2.1W	12	149	19	0.39
88	518	1747 32.94	41° 47.75′	112° 48.41′	1.7	0.6	5	267	3	0.17
88	519	1404 11.63	38° 40.20′	112° 34.86′	3.1*	1.6	13	131	29	0.44
88	519	1906 37.69	41° 28.70′	111° 48.61′	6.1*	1.3	15	133	19	0.15
88	520	2055 14.06	40° 8.28′	111° 1.79′	7.9*	2.6W	19	168	36	0.17

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
88	522	1910 47.95	39° 53.38′	114° 10.82′	4.6*	3.6W	30	187	70	0.31
88	522	1922 45.87	36° 55.06′	112° 59.91′	1.6*	3.8	11	135	85	0.47
88	524	552 47.93	41° 46.56′	112° 43.12′	1.4	1.1	14	106	5	0.24
88	524	615 22.48	41° 30.66′	112° 21.99′	4.2*	1.3	11	117	13	0.46
88	525	1005 44.11	40° 23.64′	111° 56.04′	6.9*	1.9	15	99	15	0.30
88	528	536 16.15	40° 30.17′	111° 20.84′	10.0	0.5	11	113	13	0.20
88	530	1520 9.31	41° 50.67′	112° 21.38′	12.8	1.0	16	80	10	0.40
88	531	2216 42.63	39° 32.67′	112° 13.30′	0.1*	1.8	15	149	19	0.43
88	602	224 47.90	39° 12.09′	111° 57.81′	2.8*	1.6	9	100	27	0.13
88	602	937 38.07	38° 56.25′	111° 23.45′	1.4*	2.4	11	148	35	0.20
88	603	1944 18.16	41° 27.03′	112° 10.16′	1.6*	1.7	15	88	16	0.19
88	604	2156 11.58	41° 26.24′	111° 42.00′	10.5	1.4	16	130	16	0.21
88	605	1527 35.95	41° 46.91′	111° 40.03′	15.6	1.1	16	75	9	0.16
88	606	450 39.23	40° 10.01′	111° 13.88′	8.0*	1.0	13	141	27	0.15
88	608	41 0.19	40° 37.59′	111° 27.01′	0.0	1.1	5	247	3	0.49
88	611	349 31.14	40° 13.51′	112° 22.53′	3.3*	2.7W	24	94	34	0.29
88	611	2002 44.70	41° 47.87′	111° 26.99′	6.9*	1.3	10	130	18	0.13
88	611	2020 36.34	41° 47.30′	111° 26.77′	6.3*	2.1	13	133	15	0.11
88	613	403 32.36	38° 44.54′	111° 59.84′	2.7*	2.2	10	103	26	0.39
88	614	40 44.94	41° 10.21′	113° 12.80′	2.9*	2.0	14	265	67	0.19
88	617	1723 8.93	39° 7.99′	111° 43.59′	2.2	2.1	7	108	9	0.25
88	620	1301 6.09	39° 10.95′	111° 58.67′	3.3*	1.6	8	121	26	0.35
88	620	1507 57.59	39° 11.91′	111° 58.77′	11.6*	1.8	10	120	26	0.28
88	624	17 4.35	39° 32.34′	112° 13.89′	1.5*	1.8	10	149	19	0.31
88	624	428 15.95	39° 41.10′	111° 14.52′	2.1*	2.5	12	144	39	0.21
88	626	337 33.07	39° 11.52′	111° 57.82′	3.0*	1.9	11	116	27	0.26
88	627	1246 37.92	39° 41.30′	111° 13.51′	2.3*	2.5	15	145	38	0.26
88	627	2318 33.08	39° 32.80′	112° 12.45′	1.5*	2.1	12	103	19	0.36
88	629	1736 8.53	41° 41.87′	111° 50.09′	6.3*	1.2	7	159	13	0.11
88	701	701 44.03	41° 13.53′	113° 10.84′	7.4	2.4W	14	136	13	0.10
88	706	1245 35.09	38° 41.20′	112° 31.69′	12.3*	1.5	7	197	49	0.21
88	708	1648 45.99	40° 48.25′	111° 33.69′	11.4	0.9	15	100	8	0.19
88	708	2014 8.37	41° 47.22′	111° 37.32′	13.0	1.1	11	133	12	0.15
88	708	2016 24.58	41° 46.66′	111° 37.63′	11.0	1.1	13	131	12	0.21
88	708	2035 5.76	41° 47.54′	111° 37.29′	10.8	1.2	13	135	12	0.11
88	709	1022 33.29	39° 42.24′	111° 14.15′	7.0*	2.5	10	140	38	0.28
88	710	340 20.42	41° 10.41′	111° 35.68′	8.3*	0.9	19	143	24	0.29
88	710	2045 59.41	41° 13.49′	111° 37.73′	7.0*	3.6W	8	154	51	0.23
88	711	339 41.26	39° 41.86′	111° 14.86′	6.9*	1.7	8	141	39	0.22
88	711	1146 55.99	39° 11.51′	111° 59.25′	1.7*	3.1W	17	63	26	0.26
88	714	245 23.48	39° 18.16′	111° 9.97′	9.2*	1.8	9	159	32	0.07
88	715	446 25.27	39° 11.82′	111° 58.40′	2.4*	2.0	14	94	26	0.19
88	715	628 20.71	39° 11.75′	111° 58.34′	3.3*	1.9	8	118	27	0.25
88	715	957 24.54	39° 41.34′	111° 14.28′	5.2*	2.7	16	75	39	0.20
88	716	454 2.81	39° 11.65′	111° 58.45′	2.9*	1.5	9	119	27	0.31

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
88	716	1827 13.88	37° 9.00′	113° 52.42′	3.8*	2.7	7	269	81	0.07
88	719	901 22.15	39° 15.33′	111° 4.65′	1.1*	2.3	7	210	40	0.44
88	719	1736 47.20	39° 17.85′	111° 9.93′	7.7*	2.3	11	80	32	0.27
88	720	119 51.19	39° 41.48′	111° 14.10′	7.0*	2.5	13	143	38	0.21
88	720	2202 39.25	39° 15.87′	111° 8.62′	2.8*	1.8	7	203	34	0.16
88	721	449 5.88	39° 41.45′	111° 13.83′	4.3*	2.8	11	145	38	0.40
88	721	704 8.97	39° 18.34′	111° 10.32′	9.2*	2.1	7	157	32	0.09
88	722	1022 55.65	39° 16.21′	111° 8.40′	6.8*	1.8	6	203	35	0.11
88	722	1445 38.04	39° 43.22′	111° 16.77′	7.0*	2.0	6	132	41	0.21
88	725	719 32.29	38° 36.92′	112° 33.08′	2.2*	2.6	13	121	35	0.22
88	725	956 52.27	38° 36.07′	112° 33.08′	3.9*	2.3	11	118	34	0.41
88	726	1033 9.07	40° 42.67′	111° 25.45′	11.6	1.2	16	103	12	0.17
88	726	2302 3.68	39° 14.54′	111° 6.36′	1.9*	2.1	6	208	38	0.20
88	727	440 33.21	39° 18.79′	111° 10.80′	10.2*	1.6	7	156	31	0.05
88	727	759 35.26	40° 29.00′	111° 1.97′	8.6*	1.8	17	180	20	0.33
88	728	323 11.02	41° 49.43′	112° 17.69′	5.2*	0.8	17	71	12	0.11
88	728	1815 31.39	41° 55.36′	112° 34.24′	7.9*	1.8	16	142	20	0.22
88	728	1911 45.06	41° 51.56′	112° 20.21′	4.3	1.0	13	90	8	0.17
88	729	851 13.81	39° 19.97′	111° 11.60′	13.1*	1.8	8	153	30	0.29
88	731	1827 34.74	37° 28.60′	112° 17.80′	5.1*	1.8	10	179	106	0.33
88	801	2236 53.32	39° 32.92′	112° 13.43′	2.9*	2.1	14	75	20	0.37
88	802	406 6.90	40° 34.70′	111° 23.88′	5.0*	0.6	5	236	21	0.25
88	805	120 31.98	39° 18.65′	111° 10.25′	9.3*	1.8	7	157	32	0.20
88	805	500 4.79	39° 18.59′	111° 10.38′	9.2*	2.0	7	157	31	0.17
88	805	1301 27.24	40° 57.41′	113° 4.79′	11.6*	1.9	10	225	74	0.27
88	806	1146 14.30	38° 55.34′	111° 17.53′	9.9*	1.9	9	159	49	0.08
88	806	1726 59.16	38° 56.03′	111° 23.09′	1.0*	2.3	8	148	36	0.10
88	808	1509 53.81	37° 53.66′	111° 13.82′	15.2*	2.8	9	145	34	0.44
88	809	644 32.25	38° 56.04′	111° 22.77′	1.1*	2.4	8	148	62	0.23
88	809	2307 52.90	42° 22.63′	111° 29.95′	8.6*	3.0	19	147	37	0.23
88	810	313 44.00	39° 18.01′	111° 10.11′	7.9*	1.9	7	159	32	0.24
88	812	501 13.68	39° 41.78′	111° 14.26′	7.0*	2.3	8	142	38	0.18
88	814	1858 36.73	39° 7.77′	110° 51.92′	8.9*	2.9W	12	123	22	0.17
88	814	1907 58.88	39° 7.86′	110° 52.22′	9.2*	3.8W	13	122	22	0.16
88	814	1912 54.41	39° 8.64′	110° 52.70′	1.5*	2.3	14	117	23	0.28
88	814	1914 43.56	39° 8.16′	110° 52.56′	1.3*	2.6W	14	121	23	0.32
88	814	1918 55.81	39° 6.90′	110° 52.60′	2.5*	1.8	10	126	23	0.30
88	814	1954 1.32	39° 8.12′	110° 52.45′	1.1*	2.7	13	121	22	0.27
88	814	2003 3.94	39° 7.67′	110° 52.15′	9.9*	5.3W	11	123	22	0.17
88	814	2020 40.85	39° 10.76′	110° 55.94′	7.1*	1.3	5	189	54	0.14
88	814	2152 6.64	39° 7.46′	110° 51.80′	4.8*	1.8	11	124	22	0.23
88	814	2219 46.38	39° 7.40′	110° 52.59′	1.2*	2.1	9	124	23	0.23
88	815	149 53.63	39° 6.74′	110° 52.60′	1.8*	2.2	12	127	23	0.23
88	815	153 47.55	39° 7.88′	110° 51.16′	10.8	1.9	10	124	21	0.17
88	815	632 3.90	39° 7.79′	110° 52.01′	10.6*	2.2	10	123	22	0.23

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88	815	1247 18.31	39° 6.97′	110° 52.14′	4.2*	1.9	10	126	22	0.18
88	815	1450 23.56	39° 7.58′	110° 52.45′	6.9*	3.0W	7	162	23	0.13
88	815	1652 18.99	39° 7.98′	110° 52.94′	2.8*	2.7	14	121	23	0.31
88	816	112 6.87	42° 23.21′	111° 29.37′	1.1*	2.6	17	149	39	0.23
88	816	213 49.27	39° 8.04′	110° 52.23′	7.5*	2.9	13	121	22	0.18
88	816	1827 5.30	39° 8.51′	110° 52.85′	7.0	2.1	9	129	1	0.46
88	816	2127 2.93	39° 7.59′	110° 51.46′	11.3	2.4	13	125	2	0.14
88	816	2143 50.99	39° 8.36′	110° 52.83′	2.2*	2.2	13	118	23	0.28
88	816	2157 22.91	39° 8.25′	110° 52.36′	4.8*	1.7	8	120	22	0.15
88	817	704 27.62	39° 8.57′	110° 50.86′	12.4	2.1	12	109	3	0.16
88	817	929 59.02	39° 7.75′	110° 52.01′	10.8	2.0	10	83	1	0.14
88	817	1805 37.99	39° 32.66′	112° 13.69′	3.1*	1.8	11	149	19	0.38
88	818	1244 53.49	39° 7.93′	110° 52.04′	11.9	4.4W	13	122	1	0.16
88	818	1257 5.83	39° 9.20′	110° 51.60′	12.0	1.8	8	156	2	0.09
88	818	1437 54.39	39° 7.90′	110° 51.49′	12.9	2.2	11	98	2	0.15
88	818	1446 57.33	39° 9.07′	110° 51.57′	11.4	1.4	8	93	2	0.17
88	818	1719 46.72	39° 9.63′	110° 51.82′	10.7	1.9	11	87	3	0.27
88	818	2051 1.32	40° 25.80′	111° 0.83′	5.3*	0.9	5	327	21	0.38
88	819	1922 31.02	39° 6.89′	110° 52.02′	18.5	--	5	122	2	0.09
88	820	2200 1.22	39° 8.62′	110° 51.13′	11.9	1.1	16	71	2	0.14
88	821	221 8.95	39° 7.93′	110° 51.26′	9.7	1.3	12	94	2	0.07
88	821	226 46.85	39° 7.51′	110° 51.99′	12.4	0.9	14	84	2	0.10
88	821	547 25.95	39° 8.47′	110° 51.09′	12.6	1.1	14	112	2	0.14
88	821	912 10.38	39° 7.37′	110° 51.15′	9.7	0.6	13	79	2	0.14
88	821	1043 30.53	39° 8.50′	110° 50.68′	8.9	0.8	13	110	3	0.08
88	821	1107 52.39	39° 7.68′	110° 51.40′	9.5	0.3	13	89	2	0.08
88	821	1158 15.54	39° 7.71′	110° 50.96′	14.3	1.1	15	85	2	0.11
88	821	1335 8.43	39° 6.44′	110° 51.09′	15.8	--	6	122	0	0.09
88	821	1352 26.28	41° 49.28′	112° 17.37′	2.7*	1.1	14	141	12	0.15
88	821	1435 40.53	39° 6.31′	110° 50.19′	15.6	--	6	146	2	0.06
88	821	2321 51.15	37° 2.52′	113° 52.14′	1.0*	3.5W	7	164	99	0.19
88	821	2342 37.80	39° 7.75′	110° 50.42′	14.7	2.0	11	106	3	0.15
88	823	55 15.86	39° 5.86′	110° 53.10′	15.3	--	5	246	3	0.02
88	823	56 4.18	39° 7.70′	110° 52.51′	11.2	--	5	111	1	0.06
88	823	59 29.26	39° 7.47′	110° 51.35′	13.8	--	6	84	2	0.07
88	823	715 14.57	39° 9.64′	110° 51.40′	18.2	--	6	159	3	0.39
88	823	1055 42.07	39° 8.18′	110° 51.17′	17.0	--	6	101	2	0.04
88	823	1109 33.80	39° 6.29′	110° 50.62′	16.4	--	6	146	1	0.04
88	823	1527 25.81	39° 6.85′	110° 50.32′	16.5	--	5	133	4	0.10
88	823	2010 44.66	39° 8.44′	110° 51.00′	12.6	1.7	17	62	2	0.13
88	823	2109 13.87	39° 8.80′	110° 50.02′	13.3	--	6	117	1	0.05
88	824	52 30.74	39° 7.95′	110° 50.26′	13.7	1.0	11	88	3	0.06
88	824	118 9.52	39° 7.92′	110° 50.89′	15.1	--	6	91	2	0.08
88	824	241 47.58	39° 8.62′	110° 50.43′	14.1	--	6	113	2	0.04
88	824	513 47.85	40° 44.05′	111° 50.69′	6.8	1.6W	14	83	6	0.21

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
88	824	1642 29.14	39° 8.05′	110° 52.62′	8.7	--	6	107	0	0.02
88	824	1902 36.82	39° 17.95′	111° 9.57′	9.1*	2.0	8	113	31	0.18
88	824	2045 47.22	39° 8.31′	110° 51.53′	11.7	1.4	15	108	4	0.11
88	824	2245 10.72	39° 7.86′	110° 50.06′	10.3	0.6	10	153	3	0.05
88	825	26 56.85	39° 8.07′	110° 51.42′	12.4	1.9	18	73	2	0.12
88	825	47 11.11	39° 7.85′	110° 50.74′	11.4	1.6	8	170	3	0.08
88	825	254 30.10	39° 17.75′	111° 9.18′	8.4*	2.1	9	92	31	0.20
88	825	1756 42.07	39° 7.27′	110° 50.85′	12.2	0.8	7	83	2	0.03
88	825	2032 32.51	39° 12.35′	110° 48.31′	18.1	0.7	7	243	6	0.21
88	825	2108 48.64	39° 8.14′	110° 49.56′	11.2	0.5	8	143	2	0.11
88	825	2128 47.15	39° 8.83′	110° 50.17′	13.9	1.7	11	122	2	0.12
88	825	2136 24.36	39° 7.61′	110° 51.63′	13.0	2.5	19	49	2	0.13
88	825	2155 11.83	39° 7.84′	110° 51.91′	12.2	2.2	12	94	3	0.11
88	825	2205 16.82	39° 7.27′	110° 51.60′	10.6	0.2	8	171	3	0.05
88	825	2226 51.57	40° 27.62′	111° 27.92′	2.4	1.6	6	120	7	0.21
88	825	2333 10.87	39° 7.72′	110° 51.47′	12.9	2.8	19	49	2	0.14
88	826	113 16.69	39° 8.61′	110° 51.45′	12.6	1.6	10	118	2	0.05
88	826	856 27.79	39° 7.82′	110° 50.85′	12.0	0.6	13	88	3	0.07
88	826	1116 24.96	39° 7.69′	110° 51.44′	11.3	0.5	12	89	2	0.08
88	826	1927 17.56	39° 7.87′	110° 51.63′	12.5	2.5	17	54	1	0.12
88	826	1938 39.09	39° 7.39′	110° 49.85′	15.9	1.2	12	71	3	0.06
88	826	1947 55.55	39° 7.42′	110° 51.51′	8.0	0.1	7	174	3	0.09
88	826	2243 12.21	39° 8.06′	110° 50.68′	10.2	1.5	9	176	3	0.06
88	826	2252 37.32	39° 6.68′	110° 51.19′	11.4	1.2	9	152	1	0.07
88	827	211 8.12	39° 19.16′	111° 8.87′	6.0*	2.0	10	96	33	0.13
88	827	625 49.62	39° 9.30′	110° 50.01′	14.6	1.3	8	157	1	0.06
88	827	652 41.45	39° 7.90′	110° 51.13′	14.0	2.0	8	122	4	0.06
88	827	738 34.13	39° 7.97′	110° 50.98′	10.5	1.0	7	178	3	0.04
88	827	1006 30.10	39° 8.03′	110° 51.16′	10.4	0.5	8	184	4	0.08
88	827	1750 55.94	39° 7.87′	110° 50.50′	12.3	0.4	11	85	3	0.05
88	828	6 45.80	38° 42.35′	112° 8.27′	0.1*	2.2	12	106	22	0.20
88	828	243 11.00	39° 30.62′	111° 5.31′	7.0*	2.3	11	99	41	0.10
88	828	2231 26.26	39° 8.56′	110° 50.89′	9.6	1.0	10	115	2	0.07
88	829	419 36.97	39° 13.16′	110° 40.76′	13.3	1.4	12	299	14	0.12
88	829	521 1.07	39° 7.97′	110° 50.38′	11.8	0.9	13	85	0	0.10
88	829	2057 0.80	39° 7.30′	110° 51.22′	11.1	0.8	9	165	2	0.07
88	830	100 20.15	39° 20.41′	111° 8.75′	6.9*	2.1	5	122	34	0.05
88	830	351 46.03	39° 18.11′	111° 10.04′	8.3*	1.6	7	114	32	0.04
88	830	1832 6.23	39° 8.86′	110° 49.92′	13.2	1.0	10	119	1	0.07
88	830	1942 48.39	37° 29.57′	114° 6.34′	4.9*	2.4	8	223	57	0.33
88	831	514 53.64	39° 6.95′	110° 50.34′	11.8	1.1	13	65	2	0.09
88	831	738 48.64	39° 7.77′	110° 51.24′	10.7	1.1	10	90	1	0.06
88	831	809 16.26	39° 8.29′	110° 50.00′	13.3	0.6	12	89	1	0.08
88	831	834 13.63	39° 7.78′	110° 49.95′	13.6	1.2	13	72	1	0.08
88	831	2305 48.47	42° 24.16′	111° 31.64′	8.0*	1.5	11	144	38	0.18

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
88	901	1532 39.77	39° 7.45′	110° 50.94′	11.8	1.3	9	109	3	0.11
88	901	1942 57.94	39° 16.37′	111° 7.05′	5.0*	1.8	6	205	37	0.14
88	901	1959 15.94	39° 8.78′	110° 51.08′	13.1	1.2	8	148	3	0.08
88	901	2326 9.93	39° 9.95′	110° 50.68′	12.4	1.8	12	86	3	0.15
88	902	1950 19.73	39° 5.81′	110° 45.32′	10.8	0.3	6	285	2	0.11
88	902	2116 51.52	39° 10.06′	110° 51.02′	16.9	0.9	6	143	3	0.12
88	902	2128 54.26	39° 7.38′	110° 51.24′	11.6	1.3	6	168	3	0.02
88	903	524 56.18	39° 8.38′	110° 51.08′	10.5	0.8	5	195	3	0.02
88	903	755 51.97	39° 8.26′	110° 51.53′	12.2	2.1	14	73	4	0.12
88	903	1017 59.11	39° 8.24′	110° 51.72′	10.3	0.6	7	200	4	0.07
88	903	2106 55.18	39° 7.53′	110° 50.62′	14.0	0.4	6	158	3	0.04
88	903	2213 14.14	39° 13.95′	110° 41.18′	12.7	1.0	12	148	9	0.07
88	904	138 18.96	39° 18.03′	112° 8.45′	9.2	1.1	6	162	9	0.12
88	904	201 49.18	41° 1.55′	111° 6.77′	4.2*	1.7	11	212	40	0.21
88	904	932 12.66	39° 8.12′	110° 51.69′	11.0	1.9	14	74	4	0.13
88	904	1121 51.80	39° 7.09′	110° 51.26′	10.6	0.2	7	161	2	0.05
88	904	1232 30.97	39° 12.09′	111° 58.06′	1.6*	2.1	14	93	26	0.15
88	904	1748 25.06	39° 9.18′	110° 51.49′	11.5	0.9	6	229	3	0.06
88	904	1751 51.23	39° 31.71′	111° 25.06′	6.6*	1.9	6	154	26	0.15
88	904	2027 55.09	39° 12.40′	111° 58.14′	5.2*	2.4	10	93	26	0.21
88	905	18 22.14	38° 17.15′	112° 17.04′	3.5*	2.5	13	146	27	0.11
88	905	352 32.30	38° 16.90′	112° 17.18′	0.8*	2.7	11	146	28	0.17
88	905	1340 33.72	40° 43.92′	111° 58.06′	7.9	0.4	11	135	4	0.20
88	905	1901 10.02	39° 7.14′	110° 51.21′	11.1	0.5	7	162	2	0.04
88	905	2000 19.45	39° 7.05′	110° 50.74′	13.0	0.3	5	151	2	0.03
88	905	2027 3.09	39° 7.80′	110° 51.36′	10.1	0.6	8	181	4	0.07
88	906	732 48.64	39° 6.74′	110° 51.13′	11.6	0.8	8	151	2	0.04
88	906	1437 45.54	39° 17.60′	111° 7.52′	10.1*	1.9	6	203	36	0.48
88	906	1538 41.44	39° 7.54′	110° 51.57′	10.9	1.0	6	177	3	0.02
88	906	2304 47.72	39° 33.48′	112° 15.16′	3.1*	1.9	9	203	21	0.31
88	907	404 44.30	39° 9.40′	110° 49.71′	14.1	2.0	8	171	1	0.09
88	907	420 51.14	39° 7.49′	110° 49.69′	15.9	1.1	7	84	3	0.08
88	907	1132 22.48	39° 46.29′	111° 8.49′	7.1*	2.0	23	87	28	0.17
88	907	1253 29.04	39° 8.02′	110° 51.05′	11.5	0.4	6	182	3	0.05
88	907	1353 31.92	39° 41.33′	111° 14.34′	7.0*	2.3	7	81	39	0.30
88	907	1742 49.68	39° 18.08′	111° 9.89′	8.7*	2.7	7	117	32	0.03
88	907	1932 59.10	39° 6.58′	110° 50.82′	14.0	0.3	6	143	1	0.02
88	908	2142 10.08	39° 56.46′	111° 57.52′	5.0	2.7W	24	82	10	0.22
88	908	2217 11.34	39° 8.38′	110° 51.76′	12.7	0.7	6	204	4	0.03
88	909	547 40.57	39° 10.26′	110° 49.45′	13.7	1.5	9	164	2	0.09
88	910	2133 37.85	40° 50.66′	111° 41.29′	2.5*	1.3	8	163	12	0.41
88	910	2214 22.13	39° 19.35′	111° 9.32′	8.1*	2.4	14	95	33	0.12
88	911	57 45.14	39° 7.87′	110° 51.25′	10.8	0.8	7	181	4	0.04
88	911	123 40.93	39° 9.20′	110° 50.39′	13.0	1.4	10	156	2	0.10
88	911	656 35.40	39° 7.89′	110° 50.65′	11.2	1.5	6	169	3	0.03

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88	912	310 5.02	39° 8.43′	110° 50.26′	12.1	0.5	7	179	2	0.04
88	912	1216 13.56	37° 57.70′	113° 30.38′	1.4*	1.9	7	137	20	0.14
88	912	1257 38.88	41° 36.17′	112° 12.20′	11.8	0.7	11	93	4	0.13
88	912	1341 20.93	40° 38.53′	112° 25.69′	3.2*	1.4	8	188	20	0.18
88	912	1614 4.75	39° 17.77′	111° 9.47′	6.5*	2.0	8	91	31	0.10
88	912	1732 18.15	39° 11.13′	111° 59.18′	7.0*	1.6	6	124	26	0.12
88	912	2116 58.26	40° 25.24′	111° 57.32′	1.8*	1.2	15	91	13	0.36
88	912	2316 9.19	39° 8.19′	110° 51.31′	13.8	1.4	10	131	4	0.07
88	913	2314 58.08	39° 7.57′	110° 50.44′	15.4	1.9	12	103	3	0.10
88	914	355 51.58	39° 18.05′	111° 9.74′	9.3*	2.0	8	114	32	0.03
88	914	850 25.48	39° 44.32′	110° 53.50′	1.7*	2.7	21	122	11	0.21
88	915	315 27.37	39° 18.01′	111° 9.78′	7.7*	1.9	9	92	32	0.05
88	915	719 54.21	39° 7.78′	110° 50.52′	14.5	1.7	8	123	3	0.10
88	915	859 7.65	39° 8.13′	110° 51.63′	12.1	1.7	11	133	4	0.11
88	915	954 22.41	39° 8.34′	110° 50.94′	12.1	0.8	6	191	3	0.07
88	915	1328 1.41	39° 7.32′	110° 51.16′	11.1	0.9	9	164	3	0.11
88	915	2322 23.45	38° 16.46′	112° 16.44′	3.4*	1.9	10	148	28	0.25
88	916	113 37.01	39° 17.98′	111° 10.09′	7.8*	2.0	9	91	32	0.12
88	916	209 13.37	39° 9.49′	110° 48.57′	13.5	1.0	9	212	1	0.14
88	916	407 19.17	39° 11.95′	111° 58.04′	8.0*	2.0	8	116	27	0.18
88	916	1437 28.77	39° 18.13′	111° 9.83′	6.9*	1.9	8	108	32	0.04
88	916	1637 32.22	40° 0.49′	111° 19.55′	9.1*	0.9	12	109	42	0.26
88	916	1911 57.22	39° 17.27′	111° 9.62′	7.0*	1.8	6	112	30	0.32
88	916	2059 3.91	39° 17.99′	111° 9.55′	7.0*	1.8	6	114	31	0.10
88	917	249 39.31	39° 7.04′	110° 49.70′	14.5	1.3	7	128	2	0.05
88	917	1805 50.53	38° 17.29′	112° 17.88′	2.5*	2.0	8	156	27	0.23
88	917	2102 21.83	39° 8.09′	110° 50.84′	11.3	1.0	5	179	3	0.01
88	920	215 20.96	39° 17.92′	111° 8.77′	6.6*	1.7	8	103	31	0.28
88	920	1310 40.56	39° 9.44′	110° 49.93′	12.9	1.6	9	158	1	0.09
88	920	1446 39.80	39° 8.40′	110° 50.95′	14.4	0.8	5	193	3	0.03
88	920	1842 44.68	39° 6.94′	110° 50.25′	14.2	1.3	6	138	2	0.02
88	921	554 58.03	39° 8.45′	110° 49.50′	11.8	1.3	7	149	1	0.05
88	921	1754 17.23	39° 18.40′	111° 9.90′	9.2*	2.7	15	98	32	0.17
88	921	1758 25.89	39° 18.48′	111° 9.88′	9.1*	3.1	20	80	32	0.18
88	921	2027 48.64	39° 8.68′	110° 51.54′	11.8	0.4	6	212	4	0.05
88	921	2028 13.76	39° 8.46′	110° 51.14′	11.9	1.7	10	88	3	0.10
88	922	2 50.61	39° 17.27′	111° 8.15′	6.9*	2.0	7	109	29	0.37
88	922	452 11.74	39° 17.83′	111° 9.69′	9.3*	1.5	8	91	31	0.03
88	923	12 25.12	39° 8.62′	110° 49.89′	12.6	1.1	6	177	1	0.03
88	923	1132 21.45	39° 7.69′	110° 51.13′	10.9	0.9	6	174	3	0.02
88	923	1433 40.48	39° 7.68′	110° 49.97′	13.5	1.0	9	146	3	0.10
88	923	2252 1.54	39° 8.50′	110° 50.57′	14.1	1.6	10	146	2	0.13
88	924	140 56.94	40° 43.52′	112° 0.10′	9.0	2.4W	12	86	2	0.15
88	924	141 46.76	40° 43.76′	112° 0.03′	8.5	1.1	16	66	2	0.23
88	924	155 43.54	40° 44.54′	111° 59.77′	10.0	0.5	8	104	1	0.17

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88	924	213 15.65	40° 44.14′	111° 59.47′	8.6	0.4	9	101	2	0.19
88	924	2140 4.35	37° 23.47′	114° 12.20′	5.4*	2.5	7	241	53	0.11
88	925	711 47.91	39° 7.83′	110° 51.84′	12.6	1.4	10	128	4	0.10
88	925	859 38.39	39° 8.31′	110° 51.89′	11.6	1.8	11	74	4	0.12
88	925	1143 11.96	39° 7.59′	110° 50.30′	15.4	1.5	10	100	3	0.09
88	925	1624 39.49	39° 8.09′	110° 52.22′	9.4	0.2	5	201	5	0.02
88	926	304 6.83	39° 7.77′	110° 51.44′	10.2	1.3	7	181	4	0.04
88	926	537 43.68	39° 44.59′	110° 53.65′	1.7*	2.8W	22	119	10	0.20
88	926	629 20.43	39° 44.43′	110° 52.77′	1.4	2.6	16	142	10	0.18
88	927	2234 3.28	39° 4.68′	111° 39.67′	15.6	1.8	7	231	12	0.49
88	928	346 8.61	39° 7.58′	110° 51.54′	9.1	0.6	7	178	3	0.05
88	929	742 16.75	39° 44.50′	110° 53.31′	1.9*	2.5	15	135	10	0.20
88	929	1729 16.57	39° 17.98′	111° 9.65′	10.4*	1.7	7	114	31	0.05
88	930	645 42.59	39° 9.43′	110° 49.35′	13.6	1.6	7	215	1	0.08
88	930	810 50.75	39° 7.51′	110° 50.53′	14.5	1.9	9	103	3	0.09
88	930	1127 0.32	39° 8.70′	110° 50.53′	12.8	2.1	16	73	2	0.16
88	930	1130 35.31	39° 9.80′	110° 49.50′	14.4	1.6	7	161	1	0.07
88	930	1138 57.88	39° 9.76′	110° 49.65′	14.4	1.9	7	160	1	0.06
88	930	2114 45.88	39° 8.03′	110° 50.88′	10.6	1.9	8	178	3	0.10
88	1001	156 16.93	39° 17.91′	111° 9.28′	7.8*	1.6	9	93	31	0.12
88	1001	248 10.19	39° 8.86′	110° 49.65′	11.9	1.1	7	184	1	0.08
88	1001	1844 49.78	39° 8.26′	110° 51.92′	11.3	2.0	15	74	4	0.10
88	1001	1919 46.35	41° 36.49′	112° 26.68′	7.1*	1.2	10	121	17	0.19
88	1002	105 23.76	38° 3.49′	112° 44.50′	5.5*	1.9	9	162	23	0.09
88	1002	620 24.43	40° 1.18′	111° 57.75′	1.8*	1.3	15	59	12	0.28
88	1002	746 41.54	39° 10.33′	110° 39.17′	16.1	1.4	10	138	3	0.05
88	1003	1718 2.35	39° 7.75′	110° 50.98′	11.6	0.3	7	173	3	0.07
88	1003	2008 24.67	39° 7.31′	110° 49.86′	14.8	1.4	6	136	3	0.03
88	1004	129 27.82	37° 51.47′	114° 10.93′	6.8*	1.8	5	177	66	0.21
88	1004	1323 6.93	39° 7.88′	110° 51.07′	10.9	1.8	8	178	4	0.10
88	1004	1508 0.96	39° 7.29′	110° 50.52′	10.1	1.3	7	151	2	0.13
88	1005	500 40.72	39° 19.60′	111° 6.55′	5.6*	2.1	10	88	32	0.25
88	1005	858 37.11	39° 6.53′	110° 50.35′	15.4	1.8	10	70	1	0.11
88	1005	1838 30.02	37° 54.06′	112° 55.65′	0.2*	1.7	9	179	24	0.39
88	1005	2007 5.38	41° 51.44′	112° 20.54′	1.8	1.3	18	79	8	0.19
88	1006	2252 40.25	41° 14.00′	113° 7.60′	7.8*	1.7	16	218	63	0.14
88	1007	1057 50.47	41° 51.45′	112° 20.29′	2.0	0.8	16	111	8	0.26
88	1007	2150 46.09	41° 50.86′	112° 18.89′	7.5	0.9	16	75	9	0.11
88	1008	104 53.71	39° 10.09′	110° 50.52′	15.8	1.8	7	227	3	0.15
88	1009	1159 51.29	39° 8.12′	110° 51.57′	10.4	0.8	7	193	4	0.05
88	1009	1947 58.55	39° 9.02′	110° 50.90′	13.1	1.0	7	218	3	0.09
88	1010	156 53.18	39° 18.38′	111° 59.12′	3.4*	1.5	8	103	18	0.32
88	1010	246 51.53	39° 8.56′	110° 49.61′	13.5	1.1	8	160	1	0.04
88	1010	1831 55.33	38° 18.37′	112° 17.12′	1.4*	1.9	11	144	25	0.39
88	1011	1013 9.94	41° 42.46′	112° 23.87′	9.3	1.8	19	99	18	0.15

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yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
88	1011	2041 27.36	40° 27.62′	111° 27.08′	1.6	1.6	9	111	8	0.27
88	1011	2306 17.93	39° 9.04′	110° 49.57′	14.7	2.8	10	147	1	0.04
88	1012	426 34.08	38° 26.99′	112° 28.10′	6.7*	1.6	9	125	27	0.19
88	1012	428 32.36	38° 27.29′	112° 28.18′	4.2*	1.5	10	124	27	0.25
88	1012	438 59.98	38° 27.52′	112° 28.38′	1.1*	2.1	12	124	27	0.33
88	1012	1123 8.56	41° 56.43′	112° 25.13′	5.9	1.3	17	102	8	0.27
88	1012	2054 19.02	41° 51.27′	112° 20.48′	1.9	1.0	13	93	8	0.16
88	1013	1058 38.30	39° 9.59′	111° 59.49′	5.2*	1.5	7	126	23	0.17
88	1014	543 4.22	39° 7.75′	110° 51.55′	10.4	0.8	8	182	4	0.04
88	1014	828 40.57	39° 7.74′	110° 50.47′	11.8	0.9	6	160	3	0.04
88	1014	836 9.97	39° 44.40′	110° 53.03′	4.8*	2.3	13	140	10	0.24
88	1015	1332 9.80	40° 29.96′	111° 2.60′	10.8	1.4	8	236	20	0.28
88	1016	222 21.11	38° 7.85′	112° 36.06′	4.3*	2.3	8	157	35	0.35
88	1016	650 8.91	39° 8.01′	110° 50.46′	12.6	1.1	10	168	3	0.04
88	1018	317 48.05	40° 12.58′	111° 41.89′	2.5*	2.2	19	73	19	0.40
88	1018	318 55.99	40° 13.36′	111° 42.68′	3.0*	1.4	12	130	19	0.32
88	1018	446 29.97	37° 48.63′	112° 24.24′	4.7*	1.6	10	147	62	0.26
88	1021	754 35.38	39° 8.97′	110° 51.17′	12.3	2.0	11	81	3	0.14
88	1023	2027 29.37	41° 12.66′	113° 6.14′	7.0*	1.3	10	257	61	0.17
88	1024	1954 12.22	39° 9.39′	110° 51.88′	10.9	1.9	10	158	4	0.09
88	1025	808 47.31	39° 9.71′	110° 50.91′	11.8	2.3	15	84	3	0.13
88	1025	1633 15.77	39° 8.08′	110° 48.94′	12.9	0.7	9	114	2	0.07
88	1025	1637 48.02	39° 7.88′	110° 49.20′	12.4	1.0	7	135	2	0.06
88	1025	1929 27.22	39° 8.52′	110° 49.22′	13.6	1.1	9	132	1	0.03
88	1025	2055 47.03	39° 18.22′	111° 10.14′	6.9*	2.0	8	108	32	0.07
88	1026	329 51.33	39° 8.76′	110° 49.32′	13.8	1.1	8	149	1	0.02
88	1027	2239 2.64	39° 6.70′	110° 50.31′	14.2	0.3	7	136	1	0.03
88	1028	2210 59.44	40° 43.89′	111° 58.23′	7.4	1.8W	19	98	4	0.17
88	1031	1008 17.14	39° 0.16′	111° 27.92′	5.1*	2.0	10	96	35	0.16
88	1031	1208 28.14	39° 8.12′	110° 50.34′	12.4	0.5	7	169	3	0.06
88	1031	1355 48.47	39° 6.68′	110° 50.31′	14.1	0.8	8	135	1	0.04
88	1031	2350 38.73	39° 32.48′	110° 51.13′	8.4*	2.2	7	191	43	0.17
88	1101	331 52.37	39° 7.65′	110° 50.73′	12.2	0.1	9	165	3	0.11
88	1101	612 54.35	39° 8.10′	110° 51.18′	12.6	2.3	20	54	4	0.20
88	1101	1114 13.80	39° 8.27′	110° 50.81′	14.1	1.6	10	127	3	0.10
88	1101	2124 20.86	39° 17.85′	111° 9.91′	6.9*	1.6	8	109	31	0.17
88	1101	2220 45.69	39° 7.42′	110° 50.26′	13.3	1.4	8	148	3	0.06
88	1102	1549 1.17	39° 8.60′	110° 51.94′	10.8	1.5	8	197	5	0.09
88	1102	1552 26.09	39° 18.17′	111° 10.04′	2.1*	1.8	9	114	32	0.16
88	1102	2040 43.44	39° 16.22′	111° 17.13′	9.3*	2.3	12	95	22	0.28
88	1102	2058 14.66	39° 17.79′	111° 10.12′	8.1*	2.1	9	90	31	0.07
88	1103	518 0.44	39° 7.22′	110° 51.22′	10.8	1.7	9	163	3	0.12
88	1103	1657 38.57	39° 18.25′	111° 10.24′	6.9*	1.8	8	108	32	0.16
88	1104	1852 38.76	39° 6.79′	110° 49.79′	14.5	0.9	9	127	2	0.08
88	1106	423 40.84	39° 8.55′	110° 51.75′	11.9	1.0	11	144	4	0.12

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88	1106	1431 54.99	39° 23.54′	111° 55.21′	11.8	1.7	14	83	14	0.17
88	1106	1530 58.83	40° 43.30′	111° 25.07′	11.0	3.3W	23	131	14	0.31
88	1107	2159 40.29	40° 43.49′	111° 25.94′	2.0*	0.2	5	276	14	0.38
88	1108	2012 2.26	40° 56.26′	110° 53.98′	6.7*	2.1	19	189	40	0.19
88	1109	442 7.49	39° 7.39′	110° 50.83′	15.0	1.6	11	107	3	0.13
88	1109	1308 47.88	39° 17.92′	111° 10.23′	7.0*	2.0	8	110	32	0.06
88	1109	1353 52.24	39° 7.87′	110° 50.85′	12.4	1.2	10	117	3	0.11
88	1109	2329 43.89	39° 32.15′	112° 12.38′	2.9*	1.5	11	147	18	0.32
88	1110	321 44.81	39° 17.60′	111° 9.73′	5.2*	1.7	9	110	31	0.26
88	1110	1053 7.45	39° 7.16′	112° 8.64′	2.1*	1.3	10	173	18	0.07
88	1110	1636 34.00	41° 51.71′	111° 30.27′	1.9*	2.5W	23	103	20	0.20
88	1110	1719 21.46	41° 46.72′	112° 21.21′	2.5*	1.1	15	84	17	0.24
88	1110	2013 41.46	41° 51.15′	112° 19.93′	5.2	2.1W	16	77	9	0.19
88	1110	2245 15.92	39° 17.86′	111° 9.26′	7.0*	1.7	8	129	31	0.18
88	1110	2311 55.01	39° 18.13′	111° 10.14′	8.8*	1.5	9	81	32	0.04
88	1111	810 16.17	39° 7.83′	110° 50.76′	13.9	1.1	8	115	3	0.09
88	1111	836 17.51	39° 17.93′	111° 10.25′	8.8*	1.9	8	90	32	0.06
88	1112	309 9.02	38° 37.24′	112° 13.13′	1.5*	2.0	12	105	13	0.28
88	1112	1331 24.25	39° 7.28′	110° 50.43′	15.0	1.5	10	112	2	0.11
88	1113	1605 18.70	38° 56.53′	111° 31.66′	0.2*	2.8	13	107	29	0.26
88	1114	549 39.12	39° 26.86′	111° 15.36′	9.7*	2.0	11	89	28	0.19
88	1114	2245 28.69	42° 25.95′	111° 29.97′	6.5*	1.2	12	149	42	0.24
88	1115	618 18.53	39° 17.59′	111° 9.94′	7.5*	2.0	9	90	31	0.19
88	1115	1703 39.47	39° 17.57′	111° 13.85′	13.8*	1.7	9	88	35	0.12
88	1115	1902 2.62	39° 17.79′	111° 9.64′	7.5*	1.9	10	91	31	0.10
88	1115	2005 40.42	39° 41.82′	110° 44.61′	5.0*	2.6	11	194	14	0.18
88	1115	2108 26.11	39° 8.46′	110° 51.08′	13.8	0.7	8	197	3	0.03
88	1116	1810 4.40	41° 9.38′	113° 14.10′	5.7*	1.6	10	259	74	0.31
88	1116	1954 37.52	39° 18.06′	111° 10.60′	7.0*	2.0	8	109	32	0.04
88	1116	2232 50.35	39° 44.72′	110° 53.50′	4.8	2.3W	15	119	10	0.17
88	1117	43 1.38	39° 18.55′	111° 10.73′	2.3*	2.0	10	90	33	0.21
88	1117	451 52.65	39° 18.31′	111° 9.50′	5.2*	1.9	8	93	32	0.15
88	1117	1758 48.40	39° 18.12′	111° 9.90′	10.7*	1.8	9	80	32	0.17
88	1117	2209 3.36	39° 17.92′	111° 9.74′	7.2*	1.9	9	91	31	0.14
88	1117	2308 50.64	39° 17.65′	111° 8.85′	7.5*	1.6	8	93	30	0.24
88	1118	153 14.30	39° 17.97′	111° 9.60′	9.2*	1.5	7	92	31	0.09
88	1118	628 25.31	39° 41.98′	110° 42.41′	1.2*	2.5	12	202	16	0.32
88	1118	2307 11.67	39° 11.22′	110° 52.52′	10.1	0.9	9	204	6	0.14
88	1119	519 51.11	39° 17.98′	111° 9.64′	10.8*	1.8	10	92	31	0.18
88	1119	733 38.49	39° 10.69′	110° 51.39′	14.3	1.6	8	129	4	0.14
88	1119	1118 54.68	41° 47.78′	111° 36.06′	13.1	1.4	14	82	14	0.18
88	1119	1937 26.08	42° 0.26′	111° 28.32′	2.2*	2.6W	17	168	20	0.14
88	1119	1942 37.35	41° 59.75′	111° 28.33′	6.0*	4.8W	17	139	20	0.17
88	1119	1946 16.45	42° 0.62′	111° 27.92′	1.7*	2.8	18	143	20	0.18
88	1119	2000 53.11	42° 0.44′	111° 28.62′	4.9*	4.3W	19	142	21	0.15

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88	1119	2033 25.14	41° 59.67′	111° 28.79′	4.1*	2.8W	17	137	21	0.19
88	1119	2106 28.29	42° 0.25′	111° 28.13′	3.7*	2.5W	13	168	20	0.14
88	1119	2215 11.08	42° 0.69′	111° 27.73′	7.7*	2.3	12	173	20	0.17
88	1119	2345 33.64	42° 0.27′	111° 27.67′	3.3*	1.7	9	169	19	0.14
88	1120	4 53.84	41° 59.91′	111° 27.63′	7.4*	1.9	12	166	19	0.20
88	1120	27 9.39	41° 59.76′	111° 27.91′	4.2*	1.4	9	164	20	0.18
88	1120	229 42.15	42° 0.57′	111° 28.21′	9.1*	1.6	9	171	20	0.14
88	1120	623 46.72	41° 59.71′	111° 28.91′	3.4*	1.6	12	162	21	0.15
88	1120	805 43.61	42° 0.04′	111° 28.35′	8.7*	1.2	11	166	20	0.13
88	1120	2139 4.46	42° 0.87′	111° 27.39′	13.6	1.7	9	175	19	0.12
88	1121	341 10.25	39° 43.75′	110° 44.07′	1.4*	2.3	9	200	63	0.30
88	1121	933 50.44	41° 59.54′	111° 29.20′	5.0*	2.2W	19	160	21	0.18
88	1121	1233 21.42	39° 18.83′	111° 10.06′	9.1*	2.0	10	80	32	0.17
88	1121	2107 52.42	42° 0.39′	111° 27.91′	3.1*	0.9	10	170	20	0.19
88	1121	2200 6.01	41° 59.66′	111° 29.01′	7.6*	1.2	6	162	21	0.10
88	1121	2355 57.61	40° 44.34′	111° 58.12′	6.9	1.8	21	50	4	0.26
88	1122	54 50.43	41° 59.73′	111° 28.77′	2.6*	1.5	9	162	21	0.20
88	1122	354 49.11	39° 18.00′	111° 11.78′	7.0*	1.6	6	137	33	0.07
88	1122	628 41.19	39° 41.92′	110° 44.35′	2.8*	2.8	12	196	14	0.10
88	1122	835 24.91	42° 0.31′	111° 28.52′	2.5*	1.4	12	168	21	0.20
88	1122	1057 53.23	42° 0.71′	111° 28.01′	8.6*	1.4	10	172	20	0.18
88	1122	2003 32.60	39° 7.13′	110° 51.29′	13.7	0.2	7	162	3	0.04
88	1122	2209 22.74	39° 20.08′	111° 6.99′	6.9*	2.0	6	103	33	0.49
88	1123	413 59.70	42° 0.15′	111° 27.54′	9.1*	1.9	11	168	19	0.15
88	1123	423 18.10	42° 0.49′	111° 27.37′	11.4	0.5	8	171	19	0.10
88	1123	423 36.80	42° 0.69′	111° 27.44′	9.3*	0.7	8	173	19	0.15
88	1123	556 52.63	41° 59.47′	111° 28.56′	3.9*	1.2	8	161	20	0.16
88	1123	628 12.49	39° 17.98′	111° 10.33′	6.9*	1.9	8	110	32	0.04
88	1123	1212 2.75	42° 0.06′	111° 28.83′	2.6*	2.3	16	165	21	0.21
88	1123	1631 33.96	39° 7.26′	110° 50.49′	12.3	0.5	9	150	2	0.08
88	1123	1908 21.93	39° 8.89′	110° 51.14′	12.5	0.5	8	215	3	0.14
88	1123	1937 31.46	39° 18.18′	111° 8.19′	6.9*	2.2	7	106	31	0.11
88	1123	2150 55.48	41° 59.51′	111° 28.24′	6.1*	0.9	10	161	20	0.16
88	1123	2151 27.61	42° 0.22′	111° 27.65′	7.0*	1.4	11	169	19	0.21
88	1123	2217 25.01	42° 0.57′	111° 28.59′	9.4*	1.0	10	169	21	0.16
88	1124	1205 45.85	42° 1.10′	111° 27.55′	8.6*	1.2	11	176	20	0.16
88	1124	1327 3.67	41° 24.39′	111° 42.40′	10.6	1.5	15	118	18	0.20
88	1125	356 14.07	39° 31.37′	111° 43.88′	8.5	2.0	6	101	9	0.15
88	1125	1025 32.72	38° 44.98′	111° 18.48′	7.0*	1.5	11	128	47	0.11
88	1125	1908 21.91	41° 59.65′	111° 28.79′	3.3*	2.5	10	162	21	0.15
88	1125	1913 26.68	39° 18.39′	111° 10.56′	8.0*	2.0	8	100	31	0.14
88	1125	2056 10.22	42° 0.60′	111° 27.99′	9.8*	2.2	14	171	20	0.17
88	1126	1938 13.16	39° 8.03′	110° 51.01′	11.7	0.9	8	181	3	0.09
88	1127	26 49.65	39° 8.28′	110° 51.13′	13.4	0.7	9	132	3	0.09
88	1127	722 37.69	39° 7.58′	110° 51.37′	10.1	1.5	9	118	3	0.47

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88	1127	1600 20.97	42° 0.44′	111° 28.11′	7.8*	1.7	9	169	20	0.10
88	1128	707 10.86	39° 8.43′	110° 48.82′	13.4	0.8	7	105	1	0.06
88	1128	755 2.13	41° 59.89′	111° 29.13′	1.9*	1.7	12	163	21	0.22
88	1128	1018 23.44	42° 0.22′	111° 28.68′	3.6*	1.0	10	167	21	0.20
88	1128	1021 53.04	42° 0.26′	111° 28.50′	6.7*	1.9	12	167	21	0.20
88	1128	1046 46.80	41° 59.80′	111° 28.67′	5.5*	3.2W	20	139	21	0.18
88	1128	1830 40.38	42° 0.95′	111° 28.00′	3.9*	1.5	8	174	20	0.17
88	1129	136 35.51	39° 17.98′	111° 10.26′	9.4*	1.8	8	90	32	0.06
88	1129	1031 27.72	42° 0.45′	111° 28.72′	2.2*	1.4	7	169	21	0.19
88	1129	1207 7.74	42° 0.31′	111° 29.02′	1.7*	2.6W	16	167	21	0.20
88	1129	1436 11.25	39° 8.28′	110° 51.61′	12.0	2.2	14	64	4	0.13
88	1129	1847 56.12	41° 53.35′	112° 36.50′	7.5*	1.3	14	145	18	0.22
88	1129	2004 4.42	39° 17.90′	111° 9.80′	7.8*	1.8	8	91	31	0.13
88	1129	2106 32.50	39° 18.09′	111° 10.02′	8.0*	2.6	10	91	32	0.20
88	1129	2130 2.18	39° 18.10′	111° 9.83′	11.1*	2.0	10	92	32	0.11
88	1129	2327 6.58	39° 17.88′	111° 5.53′	13.7*	1.9	8	102	28	0.13
88	1129	2358 18.79	39° 32.78′	112° 13.87′	3.2*	2.0	11	149	19	0.30
88	1130	253 29.03	40° 0.46′	110° 2.29′	10.0*	2.5	9	275	70	0.43
88	1130	1356 17.63	42° 0.66′	111° 28.12′	7.1*	2.0	17	171	20	0.15
88	1130	2141 14.20	39° 18.23′	111° 9.87′	7.9*	1.9	11	80	32	0.02
88	1130	2240 41.07	41° 51.91′	112° 20.53′	4.1	1.2	9	108	7	0.19
88	1130	2253 29.59	39° 18.18′	111° 9.86′	9.4*	2.1	10	92	32	0.08
88	1201	413 1.77	42° 1.13′	111° 28.93′	6.8*	1.9	6	206	22	0.15
88	1201	452 42.28	39° 41.19′	110° 45.65′	0.0*	2.1	10	186	15	0.09
88	1201	459 14.30	39° 14.03′	111° 11.18′	14.7	1.8	10	79	27	0.27
88	1201	1055 45.33	39° 18.08′	111° 10.38′	6.3*	1.9	10	90	31	0.16
88	1201	1825 25.52	41° 59.81′	111° 28.99′	5.2*	1.6	10	162	21	0.11
88	1202	359 11.11	39° 9.47′	110° 51.18′	11.7	1.0	10	158	3	0.09
88	1202	645 4.90	39° 18.08′	111° 9.84′	9.9*	1.7	10	92	32	0.08
88	1202	1121 2.72	39° 18.44′	111° 9.25′	8.4*	1.8	10	148	32	0.19
88	1202	1333 2.21	39° 20.27′	111° 9.79′	9.4*	1.7	10	95	32	0.16
88	1202	1846 17.03	42° 0.26′	111° 28.52′	2.3*	2.8W	14	167	21	0.17
88	1202	1945 33.80	42° 0.30′	111° 28.22′	9.5*	2.4W	14	168	20	0.12
88	1202	2144 10.21	39° 44.30′	110° 54.09′	1.1*	2.7W	20	117	11	0.21
88	1204	1331 49.40	39° 29.47′	111° 42.46′	2.6*	0.9	8	101	10	0.20
88	1205	602 24.00	39° 8.20′	111° 52.29′	11.6	1.6	15	92	20	0.20
88	1205	1631 44.64	39° 20.95′	111° 24.02′	18.6	1.7	17	87	13	0.19
88	1206	2102 47.44	39° 17.36′	111° 10.29′	7.6*	1.4	9	89	31	0.13
88	1207	256 28.46	39° 18.26′	111° 9.98′	9.2*	2.3	14	92	32	0.19
88	1207	852 52.64	41° 59.94′	111° 28.46′	7.7*	2.7W	18	164	20	0.22
88	1207	1023 8.96	39° 20.20′	111° 9.68′	8.4*	2.2	11	99	33	0.10
88	1207	1228 31.33	39° 7.79′	110° 47.93′	17.0	0.8	8	107	3	0.19
88	1208	236 53.01	41° 51.23′	112° 19.87′	3.5	1.3	12	93	8	0.20
88	1208	741 37.71	39° 18.07′	111° 10.79′	9.3*	1.2	10	90	31	0.15
88	1208	757 34.78	39° 18.03′	111° 10.09′	8.9*	2.2	11	91	32	0.08

Earthquakes in the Utah Region: 1986 - 1988

yr	*date*	*origin time*	*latitude*	*longitude*	*depth*	*mag*	*no*	*gap*	*dmin*	*rms*
88	1208	1007 33.75	39° 17.22′	111° 9.37′	8.5*	1.4	9	91	30	0.36
88	1208	1619 46.20	39° 18.14′	111° 10.09′	7.8*	2.0	12	91	32	0.06
88	1209	636 58.43	39° 17.99′	111° 9.84′	9.4*	1.5	9	91	32	0.08
88	1209	1639 24.62	41° 59.96′	111° 28.25′	4.3*	1.9	11	166	20	0.13
88	1209	1926 30.14	39° 18.18′	111° 10.02′	7.0*	1.8	7	114	32	0.14
88	1210	518 45.41	39° 16.32′	111° 10.78′	6.5*	1.4	7	158	30	0.13
88	1211	1329 32.15	39° 7.66′	110° 49.79′	13.9	0.6	8	140	3	0.03
88	1211	2043 29.61	39° 20.34′	111° 9.54′	4.1*	2.3	12	96	33	0.14
88	1212	2119 44.12	38° 5.25′	112° 28.99′	15.7*	2.1	9	166	45	0.19
88	1213	448 39.29	39° 20.91′	111° 9.62′	0.2*	2.2	11	83	33	0.38
88	1214	831 50.92	39° 11.86′	112° 12.08′	2.0*	1.3	13	150	20	0.19
88	1215	46 40.93	41° 56.24′	112° 35.14′	3.3*	1.3	13	151	22	0.10
88	1215	402 55.46	39° 20.42′	111° 10.36′	0.4*	2.4	15	81	32	0.31
88	1215	453 3.10	39° 18.64′	111° 10.73′	9.0*	2.0	8	156	31	0.14
88	1215	1042 15.28	41° 59.92′	111° 28.92′	3.3*	2.2	14	164	21	0.27
88	1216	1327 28.53	37° 46.03′	113° 6.30′	5.0*	1.9	7	190	30	0.41
88	1216	1446 45.44	41° 1.82′	111° 6.33′	2.7*	2.0W	13	199	40	0.29
88	1216	1640 30.27	39° 18.09′	111° 6.96′	5.3*	2.0	6	164	36	0.43
88	1217	641 30.40	39° 17.73′	111° 9.30′	9.2*	2.2	7	160	33	0.11
88	1218	429 25.10	39° 42.01′	110° 44.11′	2.3*	2.6	9	198	14	0.14
88	1218	443 10.77	39° 41.79′	110° 44.59′	2.9*	2.5W	14	189	14	0.24
88	1218	533 31.64	41° 35.27′	112° 25.09′	9.8	0.8	10	129	14	0.24
88	1219	29 15.50	39° 7.76′	110° 51.92′	3.6*	2.1	11	123	22	0.24
88	1220	2058 35.57	41° 59.76′	111° 29.06′	2.6*	1.3	8	162	21	0.19
88	1220	2205 29.74	40° 28.30′	111° 0.09′	9.1*	1.2	19	182	23	0.29
88	1221	928 31.71	39° 19.56′	111° 8.78′	11.9*	2.2	9	159	34	0.35
88	1222	2034 37.12	42° 0.43′	111° 28.63′	4.8*	1.4	13	169	21	0.22
88	1222	2124 14.21	41° 51.88′	112° 20.20′	4.7	0.8	13	79	7	0.15
88	1223	617 19.34	39° 43.88′	110° 52.27′	1.4*	1.5	7	201	10	0.10
88	1225	1203 15.03	41° 53.96′	112° 28.43′	6.2*	1.3	10	111	13	0.14
88	1225	1915 14.32	41° 0.96′	111° 25.22′	13.9	1.5	13	168	18	0.30
88	1226	2113 46.66	37° 24.61′	113° 46.25′	0.1*	2.2	8	247	51	0.26
88	1227	1033 33.25	41° 51.95′	112° 21.89′	1.9	1.2	13	83	8	0.17
88	1227	1033 50.18	41° 52.40′	112° 21.86′	1.4	0.5	10	113	7	0.22
88	1227	1719 14.14	41° 51.93′	112° 22.10′	2.6	1.5	13	84	8	0.11
88	1228	2358 12.80	39° 4.88′	111° 52.89′	22.6	1.2	7	116	22	0.17
88	1229	1818 57.59	36° 54.15′	112° 56.58′	1.5*	3.3	13	214	87	0.34
88	1231	1 39.12	39° 56.77′	111° 44.18′	6.7	2.6W	18	66	8	0.25

number of earthquakes = 1838

* indicates poor depth control
W indicates Wood-Anderson data used for magnitude calculation
-- indicates that no magnitude calculation was possible

FELT EARTHQUAKES IN THE UTAH REGION
JANUARY 1, 1986 TO DECEMBER 31, 1988

---------- 1986 ----------

Date	Time (UTC[†])	Felt Information[‡]	Latitude	Longitude	Magnitude[§]
Jan 13	12:32:04.63	IV: Logan III: Riverside	41° 42.91′	111° 39.88′	M_L 3.2 UUSS
Feb 17	08:53:39.82	IV: Montpelier III: Georgetown	42° 31.71′	114° 21.84′	M_L 3.0 NEIS
Mar 24	22:40:23.41	V: Scipio IV: Axtell, Fayette, Gunnison, Redmond III: Ephraim, Centerfield, Fountain Green, Oak City, Salina	39° 14.04′	112° 00.37′	M_L 4.4 UUSS
Mar 25	02:53:01.34	V: Redmond, Scipio IV: Gunnison, Fayette, Axtell, Salina III: Centerfield, Ephraim, Oak City	39° 13.53′	112° 00.68′	M_L 3.9 UUSS
Jun 05	08:05:41.73	Felt	41° 15.99′	111° 41.03′	M_L 3.6 UUSS
Aug 22	13:26:33.66	V: Monument Valley	37° 27.15′	110° 32.38′	M_L 4.0 UUSS
Aug 29	09:37:34.74	III: Preston, ID	42° 05.76′	111° 39.02′	M_L 2.4 UUSS
Sep 19	10:41:28.20	IV: Hyrum, Paradise III: Millville, Willard, Wellsville	41° 27.99′	111° 42.11′	M_L 3.4 UUSS
Oct 1	11:51:46.68	Salt Lake Valley (UUSS)	40° 49.07′	111° 49.26′	M_L 2.7 UUSS
Oct 5	15:47:33.43	III: Elsinore	38° 37.87′	112° 33.48′	M_L 3.3 UUSS
Oct 18	21:21:29.02	IV: St. Charles, ID III: Garden City, Laketown; Fish Haven, ID	42° 00.86′	111° 26.89′	M_c 3.5 UUSS
Oct 29	22:13:14.48	IV: Howell, Garland III: Plymouth, Portage, Snowville, Riverside, Tremonton	41° 49.27′	112° 19.09′	M_L 3.6 UUSS

Oct 31	11:58:28.16	V: Howell IV: Portage III: Garland, Plymouth, Riverside, Tremonton	41° 49.38′	112° 18.97′	M_L 3.5 UUSS
Nov 13	23:28:05.28	III: Magna (UUSS)	40° 42.68′	112° 05.09′	M_L 2.6 UUSS
Nov 15	09:00:13.76	IV: Soda Springs, ID	42°41.71′	111° 38.44′	M_L 3.3 NEIS
Dec 31	11:21:56.48	IV: Howell, Plymouth Portage, Riverside III: Garland, Willard	41° 49.31′	112° 18.98′	M_L 3.3 UUSS

---------- **1987** ----------

Feb 25	12:30:33.50	V: Howell, Garland IV: Fielding, Plymouth, Portage, Riverside, Snowville; Malad City, ID III: Franklin, Lewiston, Newton, Park Valley, Willard; Holbrook, Stone, ID	41°49.10′	122° 19.09′	M_L 3.7 UUSS
Mar 5	03:02:50.21	IV: Mountain Home	40°25.45′	110°35.47′	M_L 3.7 UUSS
Mar 11	13:11:29.40	IV: Manti, Sterling III: Ephraim	39°14.70′	111°37.77′	M_c 2.7 UUSS
Mar 11	15:31:02.93	III: Manti	39°14.98′	111°38.11′	M_c2.9 UUSS M_L3.0 NEIS
Apr 1	15:40:41.08	IV: Howell, Portage III: Garland, Plymouth II: Riverside, Tremonton	41°49.23′	112°19.60′	M_L3.6 UUSS M_L3.5 NEIS
Apr 4	06:24:34:83	V: Cedar City III: Paragonah	37°40.66′	113°01.47′	M_c3.1 UUSS M_L3.0 NEIS
Sep 10	23:45:09.59	III: Univ. of Utah campus area, Salt Lake City (UUSS)	40°47.38′	111°47.30′	M_L1.7 UUSS
Sep 17	08:31:26.85	II: Garland	41°12.52′	113°06.94′	M_L 3.8 UUSS
Sep 25	04:09:54.54	Salt Lake City Area	41°12.41′	113°08.14′	M_L 4.1 UUSS

Sep 25	04:27:58.36	V: Roy IV: Bear River City, Fielding, Hooper, Howell, Park Valley; Stone, ID; Montello, NV	41°12.81′	113°07.91	M_L 4.8 UUSS
Sep 25	05:18:13.58	Salt Lake City Area	41°11.74′	113°12.82′	M_L 4.3 UUSS
Sep 26	14:47:49:38	III: Park Valley, Snowville	41° 12.01′	113°10.70′	M_L 3.1 UUSS
Sep 28	06:06:52.25	III: Fielding, Ibapah, Snowville II: Cedar Valley, Garland, Tremonton	41°13.60′	133°10.85′	M_L 4.0 UUSS
Oct 2	14:35:48:79	III: Garland	41°33.80′	112°25.77′	M_L 3.4 UUSS
Oct 19	07:17:09:92	IV: Fairview, II: Fountain Green, Mount Pleasant, Wales	39°40.11′	111°25.52′	M_L 3.6 UUSS M_L 3.9 NEIS
Oct 23	19:44:50.45	IV: Eagle Range, Hill Air Force Base Test Range	41°11.78′	113°10.16′	M_L 4.2 UUSS
Oct 26	04:16:00.94	III: Grantsville, Grouse Creek, Roy, Salt Lake City; Almo, Heyburn, ID	41°12.05	113°10.66′	M_L 4.7 UUSS
Nov 11	04:49:50.86	IV: Manti III: Sterling II: Centerfield	39°14.84′	111°39.32′	M_L 2.7 UUSS M_L 2.8 NEIS
Dec 11	12:43:26.28	IV: Howell III: Portage II: Morton Thiokol Plant	41°50.52′	112°19.62′	M_L 2.7 UUSS
		---------- **1988** ----------			
Jan 2	23:10:48.93	V: Springdale III: Rockville; Fredonia, AZ II: Virgin	36°59.82′	112°54.36′	M_c 3.5 UUSS M_L 3.5 NEIS
May 22	19:22:45.87	III: Virgin	36°55.06′	112°59.91′	M_c 3.8 UUSS M_L 3.0 NEIS

Jun 13	04:03:32.36	III: Richfield	38°44.54′	111°59.84′	M_c 2.2 UUSS
Jul 11	11:46:55.99	IV: Fayette	39°11.51′	111°59.25′	M_L 3.1 UUSS
Aug 14	18:58:36.73	III: Ferron	39°07.77′	110°51.92′	M_L 2.9 UUSS
Aug 14	19:07:58.88	IV: Clawson, Orangeville	39°07.86′	110°52.22′	M_L 3.8 UUSS
Aug 14	20:03:03.94		39°07.67′	110°52.15′	M_L 5.3 UUSS

VI: (Slight Damage) Clawson, Cleveland, Elmo, Ferron, Orangeville, Sunnyside

V: Axtell, East Carbon, Fairview, Green River, Helper, Huntington, Kenilworth, Moab, Spring City, Teasdale, Wellington

IV: Cisco, Fountain Green, Hanksville, La Sal, Lyman, Lynndyl, Manti, Price, Spanish Fork, Torrey, Vernal; Dove Creek, Mack, CO

Landslides in epicentral area and at Canyonlands National Park. Felt throughout much of central and southern Utah, western Colorado, as far away as Golden, CO, Albuquerque, NM and Green River, WY.

Aug 18	12:44:53.49		39°07.93′	110°52.04′	M_L 4.4 UUSS

V: Castle Dale, Elmo, Ferron, Huntington, Sunnyside, Wellington

IV: Clawson, Cleveland, East Carbon, Kenilworth, Price

Felt throughout much of central Utah and western Colorado (including Grand Junction and Fruita).

Aug 24	05:13:47.85	II: Salt Lake City area	40°44.05′	111°50.69	M_L 1.6 UUSS
Sep 8	21:42:10.08	IV: Goshen	39°56.46′	111°57.52′	M_L 2.7 UUSS M_L 3.1 NEIS
Sep 24	01:40:56.94	III: West Valley City, Magna (UUSS)	40°43.52′	112°00.10	M_L 2.4 UUSS
Oct 28	22:10:59.44	III: West Valley City, (UUSS)	40°43.89′	11°58.23′	M_L 1.8 UUSS
Nov 6	15:30:58.83	V: Park City IV: Sugarhouse, Salt Lake City	40°43.30′	111°25.07′	M_L 3.3 UUSS M_L 3.8 NEIS

Nov 19	19:42:37.35		41°59.75′	11°28.33′	M_L 4.8 UUSS
	V: Ray, Lewison, Garden City				
	IV: Amalya, Heneter, Hyde Park, Logan, Millville, Providence, Richmond; Bloomington, Clifton, Geneva, Montpelier, Ovid, St. Charles, ID				
	Felt in northern Utah and southeastern Idaho.				
Nov 19	20:00:53:11	Felt in northern Utah and southeastern Idaho.	42°00.44′	111°28.62′	M_L 4.3 UUSS
Nov 28	10:46:46.80	III: Garden City, Laketown; St. Charles, ID	41°59.80′	111°28.67′	M_L 3.2 UUSS M_L 3.5 NEIS
Dec 2	18:46:17.03	IV: Cornish II: Garden City	42°00.26′	111°28.52′	M_L 2.8 UUSS

† Times are UTC. Subtract 7 hours to convert to Mountain Standard Time and 6 hours to convert to Mountain Daylight Time.

‡ Felt information from U.S. Geological Survey serial publication *Preliminary Determination of Epicenters - Monthly Listings*, 1986 - 1988 unless otherwise indicated. Roman numerals correspond to the modified Mercalli intensity scale.

§ Local magnitude (M_L) or coda magnitude (M_C) from either University of Utah (UUSS) or U.S. Geological Survey - National Earthquake Information Service (NEIS).

APPENDIX A

ABSTRACTS OF UNIVERSITY OF UTAH THESES INVOLVING SEISMOLOGICAL RESEARCH AND/OR EARTHQUAKE-RELATED STUDIES: JANUARY 1, 1986 TO DECEMBER 31, 1988

The P-Wave Velocity Structure of the Crust-Mantle Boundary Beneath Utah

(M.S. Thesis, June 1986)

Author: Derek Thomas Loeb

Support: Department of Geology and Geophysics Special Funds,
U.S. Geological Survey

Supervisor: James C. Pechmann

ABSTRACT

Seismic refraction studies have generally concluded that the Utah portion of the Basin and Range province is characterized by an anomalously thick crust (25-28 km) and a very low P_n velocity (7.4-7.6 km/sec). Although travel time curves of local earthquakes ($\Delta < 250$ km) support this conclusion, travel time curves of near regional earthquakes (250 km $< \Delta <$ 700 km) indicate that upper mantle rock with a higher P_n velocity of about 7.9 km/sec is present below the 7.5 km/sec material. The depth structure of these two refractors was investigated by the conversion of travel time residuals to refractor depth using a backwards ray tracing technique and by a modified time term inversion of travel times.

Results indicate that the 7.9 km/sec refractor dips eastward from a depth of about 36 km in western Utah to about 44 km in the western Colorado Plateau and Middle Rocky Mountains of eastern Utah, with most of the increase in depth occurring in a 100 km wide zone just to the west of the physiographic boundary. The 7.5 km/sec refractor is also interpreted to dip eastward from a depth of about 25 km in north-central Utah to about 30 km at the eastern margin of the Basin and Range. Refraction results indicate that this refractor deepens in western Utah and disappears in eastern Nevada. Therefore, a wedge-shaped geometry is inferred for the 7.5 km/sec material. The 7.9 km/sec refractor is interpreted to be continuous with refractors of similar velocity that underlie the crust of the central Basin and Range province of eastern Nevada and the Middle Rocky Mountains and Colorado Plateau of eastern Utah, and is therefore interpreted to be the Moho. This contradicts the interpretation of the 7.5 km/sec material as a mantle or asthenospheric upwarp.

Moment-Magnitude Relations in the Intermountain Seismic Belt from Regional Seismic Data: Applications of an Indirect Network Calibration Scheme

(M.S. Thesis, December 1986)

Author: Jorge Fernando Peinado

Support: U.S. Geological Survey, State of Utah

Supervisor: Walter J. Arabasz

ABSTRACT

The relationship between seismic moment (M_o) and local magnitude (M_L) for earthquakes in the southern Intermountain seismic belt has been investigated along with stress-drop versus seismic-moment behavior, following the analysis of Hanks and Boore (1984). Using P-wave spectra, a M_o - M_L relation of log M_o = 1.00 M_L + 17.74 was determined for the magnitude range of $2.5 \leq M_L \leq 5.0$ from a set of 16 earthquakes, including 8 events from a swarm sequence, that occurred during 1981-1985. Seismic moments were determined from a suite of 36 stations of the University of Utah seismic network that were calibrated indirectly using spectra of deep-focus teleseismic earthquakes. By comparing the relative spectral amplitudes for these teleseisms, relative gains were determined for each station. These were later converted to absolute gains by determining the true gain at an index station. The calibration was checked by comparison of moment values for 23 aftershocks of the M_s = 7.3 Borah Peak, Idaho, earthquake (log M_o ranging from 19.6 to 23.4) with those determined independently by Boatwright (1985). The slope of 1.00 determined for the moment-magnitude relation is similar to that of the relation log M_o = 1.1 M_L + 18.4 of Doser and Smith (1982), determined for an independent set of events in the range $3.7 \leq M_L \leq 6.0$. In contrast, M_o - M_L relations for California in this magnitude range, such as the relation log $M_o = 1.5M_L + 16.0$ for $3.5 \leq M_L$ 7.0 of Thatcher and Hanks (1973; see also Bakun, 1984), are generally steeper in slope than those for Utah. Slopes near unity are generally limited to smaller magnitudes for California events. This is a reflection of the essential nonlinearity of M_o - M_L relations (Hanks and Boore, 1984).

Stress drops determined from P-wave pulse durations seem constant with increasing M_o, whereas those determined form P-wave corner frequencies show a slight tendency to increase with moment. It is possible these are affected by a noninstrumental frequency band limitation (similar to an f_{max} effect) causing an apparent increase of stress drop with moment. This apparent band limitation could account for the apparent persistence of the shallow slope (1.00) in the M_o - M_L relation to higher magnitudes in the Intermountain seismic belt.

Three-Dimensional Velocity Structure of the 1983 M7.3, Borah Peak, Idaho, Earthquake Area Using Tomographic Inversion of Aftershock Travel-Times

(M.S. Thesis, December 1986)

Author: Ling-Ling Lillian Leu

Support: U.S. Geological Survey, National Science Foundation, Department of Geology and Geophysics Special Funds

Supervisor: Robert B. Smith

ABSTRACT

A tomographic inversion method was used to derive the three-dimensional P-wave velocity distribution of the 1983, M_s = 7.3 Borah Peak, Idaho, earthquake aftershock zone. A data set of 4,002 P-wave travel-times from 263 earthquakes recorded by 72 stations has been selected from the approximately 400 aftershocks to apply the inversion method. The starting velocity model was a 7-layered one-dimensional model derived from nearby refraction profiling in 1978 and 1980. The velocity inversion used 220 discretized blocks in a seven layer model. The block height was set equal to the respective one-dimensional layer thickness, while the length and width dimensions of the blocks were variable. The areal distribution of raypaths covered 340 blocks that were traversed by one or more raypaths for all seven layers.

The tomographic inversion method involved the construction of an approximate inverse to a large system of linear equations. Given a limited amount of a priori information in an area of complex geology, a reasonable velocity model for example might consist of several thousand parameters. The generalized linear inversion methods have a storage problem with large data sets. The tomographic inversion used in this thesis overcomes the problems of storage and limited CPU-time by taking only the diagonal elements of the matrix into account at the last step. This allows a larger number of events to be processed than with the generalized linear inversion methods. The results are interpreted as a first-order approximation to the three-dimensional velocity structure.

The general results of the inversion suggest the presence of a low P-wave velocity body associated with the main fault break of the Borah Peak earthquake. The low velocity body, with reductions of P-wave velocity up to 0.3 km/s (6% to 7%), compared to a one-dimensional layered model, is elongated and parallel to the surface fault. It is 4 to 8 km wide and extends from near-surface to about 10 km depth below sea level—roughly centered on the main fault plane that ruptured during the main shock (rupture nucleation was at 14 km depth below sea level). The low velocity body qualitatively correlates with a -23 mgal local gravity low west of the main fault zone. The lower velocity body may represent a highly deformed volume or it may represent a dilatant body developed in response to deformation associated with large prehistoric events.

Mining-Related and Tectonic Seismicity in the East Mountain Area, Wasatch Plateau, Central Utah

(M.S. Thesis, March 1987)

Author: Donna Jo Williams

Support: National Science Foundation, U.S. Bureau of Reclamation

Supervisor: Walter J. Arabasz

ABSTRACT

As part of a larger multi-institutional field experiment during the summer of 1984 investigating the seismicity of the eastern Wasatch Plateau, a 20-station array of portable seismographs was operated for 9 weeks in the East Mountain area, an area of active underground coal mining and intense microseismicity. Eight stations of the array were concentrated on top of East Mountain with an average spacing of 3 km. This included two key digital stations, with one at mine level 600 m below the surface. Principal objectives were (1) to precisely locate seismicity in the target area, especially events originating below mine level, and (2) to determine and compare focal mechanisms for seismic events at mine level, below mine level, and outside of the mining area. Secondary objectives included: (3) evaluation of temporal variation in mining-related seismicity during the 9-week recording period, which bracketed a 2-week shutdown of mining activity; and (4) improved resolution of seismicity at mine level to address the spatial correlation of seismicity with active coal extraction. Data from high-resolution seismic reflection profiles and drill-hole sonic logs were used for a refined velocity model. Accurately located epicenters cluster within an area < 2.5 km in diameter that encompasses four zones of significant coal extraction during the study period. Accurate focal depths indicate abundant clustering of seismicity down to 500 m below mine level; the deepest reliably located event was at 4.4 km. Continuous monitoring for a 60-day period (June 21-August 25) bracketed a 16-day mining shutdown (July 7-22) during which significant seismicity, comparable to that observed before the shutdown, was observed. P-wave first motions indicate two populations of events: (1) enigmatic events located at or above mine level with ubiquitous dilatational first motions, and (2) double-couple mechanisms, predominantly of compressional type (thrust and strike-slip), with NW- to NE-trending P-axes. Normal-faulting mechanisms for two earthquakes 3.0 km and 4.4 km deep indicate an extensional stress state 10 to 15 km west of the mining area where late Pleistocene-Holocene (?) normal fault scarps are observed at the surface.

Contemporary Tectonics of the Wasatch Front Region, Utah, from Earthquake Focal Mechanisms

(M.S. Thesis, March 1987)

Author: Ingi Thorleifur Bjarnason

Support: U.S. Geological Survey,
Society of Exploration Geophysicists Scholarship

Supervisor: James C. Pechmann

ABSTRACT

A comprehensive study has been undertaken of focal mechanisms of digitally recorded, small earthquakes (generally $2.5 \leq M_L \leq 4.4$), that occurred in the Wasatch front region in Utah primarily during 1981-1986. Single event solutions for 24 events were determined using recently revised crustal models and a computerized grid search technique.

Overall, the mechanisms show predominantly normal faulting on N-S striking nodal planes with moderate dip (30°-60°). Thus, on the average, the mechanisms indicate E-W crustal extension and vertical crustal shortening. T-axis orientations suggest a possible rotation of the extension direction from E-W in the northern part of the study area to ESE-WNW in the southern part. Oblique slip, when observed, is characterized by left-lateral motion on planes striking N to NE or right-lateral motion on planes striking N to NW. Most of the mechanisms with significant amounts of oblique-slip motion occur in the southern part of the study area, where P-axis orientations range from near vertical to near horizontal. Thus, the mechanisms suggest a change in stress regime from north to south along the Wasatch front. Despite geologic evidence for low-angle faults in the study area, shallowly dipping nodal planes are relatively uncommon.

A Study of Seismicity and Spectral Source Characteristics of Small Earthquakes: Hansel Valley, Utah, and Pocatello Valley, Idaho, Areas

(M.S. Thesis, June 1988)

Author: Gianming James Chen

Support: U.S. Geological Survey, National Science Foundation, Society of Exploration Geophysicists Scholarship

Supervisor: Robert B. Smith

ABSTRACT

The Utah-Idaho border region north of the Great Salt Lake has been one of the most seismically active areas of the Utah region in historic time. Seismicity has included the 1909, I_o = VIII (M_L ~ 6.3), Hansel Valley earthquake, the 1934, I_o = IX (M_L ~6.6), Hansel Valley (Kosmo) earthquake (with 0.5 m of surface displacement), and the 1975, M_L=6.0, Pocatello Valley earthquake. A detailed study of the Hansel Valley-Pocatello Valley region, for the purposes of defining the relationship of background seismicity to structure and of evaluating the source properties of small earthquakes was conducted by the University of Utah and Massachusetts Institute of Technology using a temporary network of 47 (analog and digital) closely spaced seismograph stations in 1983 and by a study of relocated regional earthquakes recorded by the University of Utah. The 1983 portable network was deployed over a 60 by 20 km area from August 30 until October 4, 1983. Over 600 earthquakes of $M_L \leq 1.5$ were recorded, and 476 were located. Epicenters of the well located events define a northeast-trending zone of earthquake activity 10 km wide and 70 km long.

During the 1962-1983 period, the University of Utah Seismograph Stations (UUSS) regional network recorded 1463 earthquakes in the Utah-Idaho border region that were relocated in this study using a calibrated master event technique to evaluate the longer-term seismicity of this area. Station delays to the UUSS regional network stations were derived from a master event of M_L=1.0 simultaneously recorded by the temporary 1983 47-station array. The stations delays were then used to relocate eight earthquakes recorded on the UUSS network, which in turn served as secondary master events. The other 1454 regional recorded earthquakes from 1962 to 1983 were then relocated using the delays corresponding to the closest master event. The epicenters of the relocated events show a difference in epicenter location of up to 5-10 km with respect to the published UUSS catalog solutions. The general seismicity pattern of the relocated data is similar to that seen in the original UUSS catalog data and in results of the detailed microearthquake survey--an inverted "Y" pattern centered on the Utah-Idaho border with a northeast trending branch along the west side of Pocatello Valley, and a branch extending southeast from Pocatello Valley.

From the study of the 1962-1983 regional earthquakes and the 1983 northern Utah earthquake experiment, a general pattern of seismicity shows that the earthquakes located beneath

NOTE

For further information or assistance regarding earthquake data in the Utah region, contact:

U. of U. Seismograph Stations
705 W. C. Browning Building
Department of Geology and Geophysics
University of Utah
Salt Lake City, Utah 84112
tel. (801) 581-6274

Office hours: Monday through Friday
8:00 a.m. to 5:00 p.m.
(Appointment required)

The University of Utah Seismograph Stations routinely responds to earthquake data requests from local, national, and international users. Any significant costs for reproductions, computer fees, postage, or materials must be borne by the requesting party.

APPENDIX B

BIBLIOGRAPHY OF SELECTED SEISMOLOGICAL PUBLICATIONS, REPORTS, AND PUBLISHED ABSTRACTS, UNIVERSITY OF UTAH JANUARY 1, 1986 - DECEMBER 31, 1988

both mountain horst blocks as well as the adjacent valley. The 1983 earthquakes may be related to the Raft River detachment that is postulated to extent eastward from the Raft River Mountains, a metamorphic core complex, beneath the study area at a depth of about 10 km.

During the 1983 earthquake experiment, 10 portable digital seismographs were used to acquire three-component, wide-band data that were used to investigate source properties. Nine earthquakes, $0.7 \leq M_L \leq 1.5$, were analyzed to examine the influence of the f_{max} (path-induced corner frequency) hypothesis and the source characteristics of small earthquakes. For these small events, the displacement spectra appeared to be unaffected by crustal attenuation and displayed uniform average corner frequencies from 11.4 Hz to 19.0 Hz, despite variations from 1.1×10^{-17} dyne-cm to 27.2×10^{-17} dyne-cm in the seismic moments of the events. The corner frequencies and initial P-wave half-periods were observed to be constant with decreasing magnitude. The waveforms of these small events appeared to be characteristic of the travel path and were insensitive to the location and seismic moment of the earthquakes. Whether the apparent maximum corner frequency (f_{max}) is predominantly a source effect, path effect or a site effect, could not be adequately resolved, but these data suggest the chief importance of the path effect.

Bjarnason, I. T. and J. C. Pechmann (1986). Contemporary tectonics of the Wasatch front region, Utah, from earthquake focal mechanisms, *EOS, Trans. Am. Geophys. Union 67*, 1107.

Brown, E. D., W. J. Arabasz, I. Bjarnason, and K. Quigley (1986). The March 1986 M_L 4.4 Japanese Valley, Utah, earthquake sequence: A type-case study for central Utah, *EOS, Trans. Am. Geophys. Union 67*, 1107.

Brown, E. D., J. C. Pechmann, W. J. Arabasz, and T. Zhang (1988). Seismotectonics of the September-December 1987 Lakeside, Utah, earthquakes ($M_L \leq 4.8$), *Seism. Res. Lett. 59*, 15.

Chen, G. J. (1988). A study of seismicity and spectral source characteristics of small earthquakes: Hansel Valley, Utah, and Pocatello Valley, Idaho, areas, *M.S. Thesis*, University of Utah, Salt Lake City, Utah, 119 pp.

Eddington, P. K., R. B. Smith, and C. Renggli (1987). Kinematics of Basin-Range intraplate extension, in *Continental Extensional Tectonics*, M. P. Coward, J. F. Dewey, and P. L. Hancock, Editors, Geological Society Special Publication 28, 371-392.

Leu, L. L. (1986). Three-dimensional velocity structure of the 1983 M7.3, Borah Peak, Idaho, earthquake area using tomographic inversion of aftershock travel times, *M.S. Thesis*, University of Utah, Salt Lake City, Utah, 99 pp.

Loeb, D. T. (1986). The P-wave velocity structure of the crust-mantle boundary beneath Utah, *M.S. Thesis*, University of Utah, Salt Lake City, Utah, 126 pp.

Loeb, D. T. and J. C. Pechmann (1986). The P-wave velocity structure of the crust-mantle boundary beneath Utah from network travel time measurements, *Earthquake Notes* 57, 10.

Nava, S. J., J. C. Pechmann, and W. J. Arabasz (1988). The magnitude 5.3 San Rafael swell, Utah, earthquake of August 14, 1988: A preliminary seismological summary, *Survey Notes 22 (Utah Geological and Mineral Survey)*, 16-19.

Pechmann, J. C. (1987). Earthquake design considerations for the inter-island diking project, Great Salt Lake, Utah, Technical Rept. submitted to Rollins, Brown, and Gunnel, Inc., Provo, Utah, 60 pp.

Pechmann, J. C. and L. L. Leu (1986). Focal mechanisms for aftershocks of the 1983 Borah Peak, Idaho, earthquake: Complex faulting within a simple aftershock zone, *EOS, Trans. Am. Geophys. Union 67*, 1107.

Pechmann, J. C., W. P. Nash, J. J. Viveiros, and R. B. Smith (1987). Slip rate and earthquake potential of the East Great Salt Lake fault, Utah, *EOS, Trans. Am. Geophys. Union 68*, 1369.

PUBLICATIONS

[Note: This listing does not include summaries of *Utah Earthquake Activity* prepared by the University of Utah Seismograph Stations and published quarterly by the Utah Geological and Mineral Survey in *Survey Notes*].

Arabasz, W. J. (1986). Common aspects of intraplate earthquake behavior in the Intermountain seismic belt and eastern U.S., *Earthquake Notes 57*, 12.

Arabasz, W. J. (1986). Seismotectonics of the Basin and Range-Colorado Plateau transition in Utah, *Geol. Soc. Am. Abstracts with Programs 18*, 338.

Arabasz, W. J. and D. R. Julander (1986). Geometry of seismically active faults and crustal deformation within the Basin and Range-Colorado Plateau transition in Utah, in *Cenozoic Tectonics of the Basin and Range Province: A Perspective on Processes and Kinematics of an Extensional Origin*, L. Mayer, Editor, *Geol. Soc. Am. Special Paper 208*, 43-74.

Arabasz, W. J., J. C. Pechmann, and E. D. Brown (1987). Evaluation of seismicity relevant to the proposed siting of a superconducting supercollider (SSC) in Tooele County, Utah, *Utah Geological and Mineral Survey Misc. Publ. 89-1*, 107 pp.

Arabasz, W. J., J. C. Pechmann, and E. D. Brown (1987). Observational seismology and the evaluation of earthquake hazards and risk in the Wasatch Front area, Utah, in *Assessment of Regional Earthquake Hazards and Risk Along the Wasatch Front, Utah*, P. L. Gori and W. W. Hays, Editors, *U.S. Geol. Surv., Open-File Rept. 87-585*, D1-D58.

Benz, H. M. and R. B. Smith (1986). Kinematic modeling of normal faulting earthquakes in heterogeneous media, *Terra Cognita 6*, 436.

Benz, H. M. and R. B. Smith (1986). Kinematic source modeling of normal faulting earthquakes in inhomogeneous velocity structures, *EOS, Trans. Am. Geophys. Union 67*, 1112.

Benz, H. M. and R. B. Smith (1987). Kinematic source modeling of normal-faulting earthquakes using the finite element method, *Geophys. J. R. Astr. Soc. 90*, 305-325.

Benz, H. M. and R. B. Smith (1988). Elastic-wave propagation and site amplification in the Salt Lake Valley, Utah, from simulated normal faulting earthquakes, *Bull. Seism. Soc. Am. 78*, 1851-1874.

Bjarnason, I. T. (1987). Contemporary tectonics of the Wasatch front region, Utah, from earthquake focal mechanisms, *M.S. Thesis*, University of Utah, Salt Lake City, Utah, 79 pp.

Pechmann, J. C., W. J. Arabasz, and E. D. Brown (1988). Seismic hazard in the Wasatch Front region, Utah, from moderate earthquakes ($M_L \leq 6.5$) on buried faults, *Seism. Res. Lett. 59*, 15.

Peinado, J. F. (1986). Moment-magnitude relations in the Intermountain seismic belt from regional seismic data: Applications of an indirect network calibration scheme, *M.S. Thesis*, University of Utah, Salt Lake City, Utah, 91 pp.

Richins, W. D., J. C. Pechmann, R. B. Smith, C. J. Langer, S. K. Goter, J. E. Zollweg, and J. J. King (1987). The 1983 Borah Peak, Idaho, earthquake and its aftershocks, *Bull. Seism. Soc. Am. 77*, 694-723.

Smith, R. B. (1987). Lithospheric structure, seismicity, and contemporary deformation of the Basin-Range: Mechanics and kinematics of intraplate extension, *J. Europ. Union of Geosciences 7*, 70-71.

Smith, R. B. (1988). Seismicity and earthquake hazards of the Borah Peak - Hebgen Lake - Yellowstone - Teton regions—Implications for earthquakes in extensional and active volcanic regimes, *Geol. Soc. Am. Abstracts with Programs*, A-12.

Smith, R. B. and W. J. Arabasz (1987). Seismicity of the Intermountain seismic belt, *EOS, Trans. Am. Geophys. Union 68*, 101.

Thorbjarnardottir, B. S. and J. C. Pechmann (1987). Constraints on relative earthquake locations from cross correlation of waveforms, *Bull. Seism. Soc. Am. 77*, 1626-1634.

Veneziano, D., Y. Shimizu, and W. J. Arabasz (1987). Suppressed earthquake clustering in the Wasatch Front region, Utah, *EOS, Trans. Am. Geophys. Union 68*, 1368-1369.

Westaway, R. and R. B. Smith (1987). Strong ground motion parameters for normal-faulting earthquakes, *EOS, Trans. Am. Geophys. Union 68*, 1348.

Williams, D. J. (1987). Mining-related and tectonic seismicity in the East Mountain area, Wasatch Plateau, central Utah, *M.S. Thesis*, University of Utah, Salt Lake City, Utah, 130 pp.