

Sheet1

TABLE 2. EARTHQUAKES USED IN COMMON CONVERSION POINT STACKS

Time of event	Latitude	Longitude	Location name	Depth (km)	Magnitude	2.5 Hz	5.0 Hz	P arrival	PP arrival
2010-04-13T20:27:00.640Z	-56.331	-27.311	South Sandwich Islands region	100.2	5.5	X	X	X	X
2010-04-17T23:15:22.020Z	-6.669	147.291	eastern New Guinea region, Papua New Guinea	53	6.2	X	X		X
2010-04-24T00:23:43.490Z	-36.303	-99.775	southeast of Easter Island	10.1	5.2	X	X	X	
2010-04-25T21:09:44.500Z	-55.606	-27.73	South Sandwich Islands region	7	5.6		X	X	
2010-05-06T11:35:29.520Z	-55.725	-127.942	Pacific-Antarctic Ridge	10	5.8		X	X	
2010-05-09T05:59:41.620Z	3.748	96.018	northern Sumatra, Indonesia	38	7.2	X	X		X
2010-05-20T22:16:30.700Z	9.247	-84.302	Costa Rica	21	5.9	X	X	X	
2010-05-25T10:09:05.780Z	35.336	-35.924	northern Mid-Atlantic Ridge	10	6.3		X	X	
2010-05-27T17:14:46.570Z	-13.698	166.643	Vanuatu	31	7.2	X	X		X
2010-05-31T19:51:45.870Z	11.132	93.471	Andaman Islands, India region	112	6.5	X	X		X
2010-06-01T03:26:15.760Z	9.331	-84.206	Costa Rica	18	6	X	X	X	
2010-06-02T01:49:03.940Z	-57.369	-26.446	South Sandwich Islands region	127.4	5.9		X	X	
2010-06-18T23:09:31.020Z	13.197	93.087	Andaman Islands, India region	20	5.9	X	X		X
2010-06-26T05:30:19.490Z	-10.627	161.447	Solomon Islands	35	6.7	X			X
2010-06-30T07:22:27.690Z	16.396	-97.782	Oaxaca, Mexico	20	6.3		X	X	
2010-07-18T05:56:44.930Z	52.876	-169.848	Fox Islands, Aleutian Islands, Alaska	14	6.7	X	X		X
2010-07-18T13:04:09.410Z	-5.966	150.428	New Britain region, Papua New Guinea	28	6.9	X	X		X
2010-07-20T17:19:50.290Z	-29.031	-13.096	southern Mid-Atlantic Ridge	10	5.8		X	X	
2010-07-30T03:56:13.710Z	52.498	159.843	off the east coast of the Kamchatka Peninsula, Russia	23	6.3	X			X
2010-08-04T07:15:33.510Z	-5.486	146.822	eastern New Guinea region, Papua New Guinea	220	6.5	X	X		X
2010-08-04T22:01:43.620Z	-5.746	150.765	New Britain region, Papua New Guinea	44	7	X			X
2010-08-10T05:23:44.980Z	-17.541	168.069	Vanuatu	25	7.3	X	X		X
2010-09-03T11:16:06.600Z	51.451	-175.87	Andreanof Islands, Aleutian Islands, Alaska	23.5	6.5	X	X		X
2010-09-03T16:35:47.770Z	-43.522	171.83	South Island of New Zealand	12	7	X	X	X	X
2010-10-04T13:28:38.860Z	24.27	125.154	southwestern Ryukyu Islands, Japan	32	6.3	X	X		X
2010-10-08T03:26:13.710Z	51.374	-175.361	Andreanof Islands, Aleutian Islands, Alaska	19	6.4	X	X		X
2010-10-09T01:54:04.600Z	10.211	-84.293	Costa Rica	91	5.8	X	X	X	
2010-10-16T15:44:30.290Z	-7.366	125.699	Kepulauan Barat Daya, Indonesia	7	5.9	X			X
2010-10-21T17:53:13.570Z	24.696	-109.156	Gulf of California	13	6.7	X	X	X	
2010-11-03T23:34:42.480Z	-20.466	-174.28	Tonga	18	6.1		X	X	
2010-11-04T12:29:31.350Z	12.837	-44.845	northern Mid-Atlantic Ridge	10	5.4	X	X	X	
2010-11-10T04:05:24.410Z	-45.464	96.394	southeast Indian Ridge	10	6.5	X	X		X
2010-11-13T04:35:39.470Z	17.874	-68.541	Dominican Republic Region	94.6	5.4	X	X		X

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2010-11-21T04:36:31.440Z	-54.967	-131.479	Pacific-Antarctic Ridge	10	6	X	X	X	
2010-12-02T03:12:09.820Z	-6.001	149.977	New Britain region, Papua New Guinea	33	6.6	X	X		X
2010-12-05T21:44:35.820Z	-36.231	-100.826	southeast of Easter Island	12.7	5.9		X	X	
2010-12-07T04:27:22.040Z	-57.932	-7.474	east of the South Sandwich Islands	10	5.9	X	X	X	
2010-12-07T18:17:39.850Z	54.356	169.128	Komandorskiye Ostrova, Russia region	13	5.8	X	X		X
2010-12-08T05:24:35.260Z	-56.412	-25.741	South Sandwich Islands region	29.4	6.3	X	X	X	
2010-12-20T15:15:08.670Z	10.171	-103.977	northern East Pacific Rise	10	5.9	X	X	X	
2010-12-20T17:21:26.180Z	12.995	-88.64	offshore El Salvador	72.3	5.7	X	X	X	
2010-12-21T14:07:48.290Z	2.715	95.893	Simeulue, Indonesia	21	5.8	X	X		X
2010-12-23T14:00:32.330Z	53.127	171.161	Near Islands, Aleutian Islands, Alaska	18	6.4	X	X		X
2010-12-24T05:48:52.990Z	-63.592	-167.354	Pacific-Antarctic Ridge	4	5.9		X	X	
2010-12-25T13:16:37.000Z	-19.702	167.947	Vanuatu region	16	7.3	X	X		X
2010-12-28T08:34:17.550Z	-23.407	-179.802	south of the Fiji Islands	551	6.3	X	X		X
2010-12-29T06:54:19.640Z	-19.661	168.14	Vanuatu	16	6.4	X	X		X
2011-01-09T10:03:43.990Z	-19.155	168.312	Vanuatu	22	6.5		X		X
2011-01-13T16:16:41.540Z	-20.628	168.471	Loyalty Islands, New Caledonia	9	7	X	X		X
2011-01-18T11:33:45.070Z	2.632	96.404	Simeulue, Indonesia	21	5.9	X	X		X
2011-01-18T20:23:23.480Z	28.777	63.951	southwestern Pakistan	68	7.2	X	X		X
2011-02-04T13:53:46.260Z	24.618	94.68	Myanmar-India border region	85	6.2	X	X		X
2011-02-12T02:53:15.100Z	0.079	-17.018	north of Ascension Island	10	5.7	X	X	X	
2011-02-20T21:43:24.150Z	55.918	162.117	near the east coast of the Kamchatka Peninsula, Russia	33	6.1		X		X
2011-02-21T10:57:52.410Z	-26.142	178.394	south of the Fiji Islands	558.1	6.5		X	X	
2011-02-21T23:51:42.350Z	-43.583	172.68	South Island of New Zealand	5.9	6.1		X	X	
2011-02-23T03:01:36.370Z	12.388	-87.815	near the coast of Nicaragua	41	5.7	X	X	X	
2011-02-25T13:07:26.500Z	17.843	-95.007	Veracruz, Mexico	122.7	5.9	X	X	X	
2011-03-01T00:53:46.340Z	-29.701	-111.981	Easter Island region	10	6	X	X	X	
2011-03-02T18:50:49.410Z	8.596	-76.855	near the north coast of Colombia	44.2	5.7	X	X	X	
2011-03-06T14:32:36.080Z	-56.422	-27.063	South Sandwich Islands region	87.7	6.5	X	X	X	
2011-03-07T00:09:36.450Z	-10.349	160.766	Solomon Islands	22	6.3	X	X		X
2011-03-20T08:26:09.580Z	18.994	121.246	Luzon, Philippines	27	6		X		X
2011-03-22T07:18:45.380Z	37.244	144.003	off the east coast of Honshu, Japan	11	6.4		X		X
2011-03-22T13:31:27.650Z	-33.096	-15.977	southern Mid-Atlantic Ridge	5	5.8	X	X	X	
2011-04-03T14:07:09.330Z	-17.642	-178.585	Fiji region	551.7	6.4	X	X		X
2011-04-03T20:06:40.390Z	-9.848	107.693	south of Java, Indonesia	14	6.7	X	X		X
2011-04-07T13:11:22.400Z	17.208	-94.338	Veracruz, Mexico	166.2	6.6	X	X	X	

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2011-04-07T14:32:43.290Z	38.276	141.588	near the east coast of Honshu, Japan	42	7.1	X	X		X
2011-04-09T12:57:47.820Z	29.999	131.78	southeast of the Ryukyu Islands, Japan	11	5.9	X			X
2011-04-11T08:16:12.730Z	37.001	140.401	eastern Honshu, Japan	11	6.6	X	X		X
2011-04-14T20:50:15.080Z	11.237	-86.337	near the coast of Nicaragua	22	5.7	X	X	X	
2011-04-18T13:03:02.730Z	-34.336	179.874	south of the Kermadec Islands	86	6.6	X	X	X	X
2011-04-19T23:29:12.990Z	-44.467	-15.846	southern Mid-Atlantic Ridge	15.6	5.4		X	X	
2011-04-23T04:16:54.720Z	-10.375	161.2	Solomon Islands	79	6.8	X	X		X
2011-04-30T08:19:16.710Z	6.854	-82.33	south of Panama	12	6.1		X	X	
2011-05-02T23:55:39.470Z	12.129	-87.47	near the coast of Nicaragua	28	5.4	X	X	X	
2011-05-10T08:55:08.930Z	-20.244	168.226	Loyalty Islands, New Caledonia	11	6.8	X	X		X
2011-05-13T22:47:54.000Z	9.954	-84.313	Costa Rica	72.8	5.9	X	X	X	
2011-05-15T13:08:13.060Z	0.569	-25.647	central Mid-Atlantic Ridge	10	6.1		X	X	
2011-05-15T18:37:10.370Z	-6.104	154.414	Bougainville region, Papua New Guinea	40	6.4	X	X		X
2011-06-16T00:03:35.790Z	-5.928	151.04	New Britain region, Papua New Guinea	16	6.4	X	X		X
2011-06-24T03:09:39.470Z	52.05	-171.836	Fox Islands, Aleutian Islands, Alaska	52	7.3	X	X		X
2011-07-03T06:34:36.870Z	12.326	-87.62	near the coast of Nicaragua	36	5.7	X	X	X	
2011-07-06T19:03:18.260Z	-29.539	-176.34	Kermadec Islands region	17	7.6	X	X	X	X
2011-07-07T09:10:50.240Z	-28.978	-176.711	Kermadec Islands region	10	5.7		X	X	X
2011-07-15T13:26:02.950Z	-60.762	-23.523	South Sandwich Islands region	10	6.1		X	X	
2011-07-26T17:44:20.380Z	25.101	-109.525	Gulf of California	12	6		X	X	
2011-07-27T23:00:29.670Z	10.799	-43.391	northern Mid-Atlantic Ridge	6	5.9	X	X	X	
2011-07-29T07:42:23.400Z	-23.801	179.751	south of the Fiji Islands	532	6.7	X	X	X	X
2011-08-13T07:33:06.120Z	14.394	-94.674	off the coast of Chiapas, Mexico	6	5.8	X	X	X	
2011-08-16T20:24:03.670Z	-57.229	-25.452	South Sandwich Islands region	44.3	5.7		X	X	
2011-08-17T11:44:08.370Z	36.765	143.77	off the east coast of Honshu, Japan	9	6.1	X	X		X
2011-08-19T03:54:26.780Z	-16.522	-177.004	Fiji region	407.9	6.2	X	X		X
2011-08-20T16:55:02.810Z	-18.365	168.143	Vanuatu	32	7.2	X	X		X
2011-08-21T12:38:53.780Z	-56.428	-27.494	South Sandwich Islands region	130.4	5.6	X	X	X	
2011-08-22T20:12:20.950Z	-6.282	104.054	Sunda Strait, Indonesia	29	6.1	X	X		X
2011-08-23T17:51:04.590Z	37.936	-77.933	Virginia	6	5.8	X	X	X	
2011-08-30T06:57:41.610Z	-6.362	126.752	Banda Sea	469.8	6.9	X	X		X
2011-09-02T10:55:53.590Z	52.171	-171.708	Fox Islands, Aleutian Islands, Alaska	32	6.9	X	X		X
2011-09-03T04:48:57.310Z	-56.451	-26.847	South Sandwich Islands region	84	6.4	X	X	X	
2011-09-03T22:55:40.920Z	-20.671	169.716	Vanuatu	185.1	7	X	X		X
2011-09-05T17:55:11.220Z	2.965	97.893	northern Sumatra, Indonesia	91	6.7	X	X		X

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2011-09-09T19:41:34.150Z	49.535	-126.893	Vancouver Island, Canada region	22	6.4	X	X	X	X
2011-09-14T13:36:34.120Z	-35.111	-178.991	east of the North Island of New Zealand	13	5.7		X	X	
2011-09-14T18:10:09.000Z	53.107	172.984	Near Islands, Aleutian Islands, Alaska	15	6	X	X		X
2011-09-15T07:53:18.630Z	-35.366	-179.039	east of the North Island of New Zealand	10	6.1	X	X	X	X
2011-09-15T19:31:04.080Z	-21.611	-179.528	Fiji region	644.6	7.3	X	X	X	X
2011-09-18T12:40:51.830Z	27.73	88.155	Sikkim, India	50	6.9	X	X		X
2011-10-07T08:58:28.910Z	-32.514	-179.038	south of the Kermadec Islands	36	6.1		X	X	
2011-10-08T08:53:11.960Z	-20.602	-173.222	Tonga	6	5.9	X	X	X	X
2011-10-21T17:57:16.100Z	-28.993	-176.238	Kermadec Islands region	33	7.4	X	X	X	X
2011-10-23T10:41:23.250Z	38.721	43.508	eastern Turkey	18	7.1	X	X		X
2011-11-01T12:32:00.430Z	19.831	-109.205	Revilla Ggedo Islands region	10	6.3		X	X	
2011-11-02T14:59:27.940Z	-55.294	-128.843	Pacific-Antarctic Ridge	10	6.1	X	X	X	
2011-11-07T22:35:25.630Z	11.56	-85.861	Nicaragua	177	6	X	X	X	
2011-11-08T02:59:08.510Z	27.324	125.621	northeast of Taiwan	224.9	6.9	X	X		X
2011-11-18T07:51:24.660Z	-37.806	179.418	off the east coast of the North Island of New Zealand	12	5.8	X	X	X	
2011-11-21T03:15:41.560Z	24.96	95.232	Myanmar	107	5.7		X		X
2011-11-29T00:30:29.120Z	-1.602	-15.45	north of Ascension Island	10	5.9	X	X	X	
2011-11-30T00:27:06.990Z	15.455	118.999	Philippine Islands region	9	6	X	X		X
2011-12-11T01:47:25.560Z	17.986	-99.789	Guerrero, Mexico	59	6.5	X	X	X	
2011-12-11T09:54:55.200Z	-56.009	-28.184	South Sandwich Islands region	116	6.2	X	X	X	
2011-12-13T07:28:11.050Z	4.775	-82.579	south of Panama	7	5.4	X	X	X	
2011-12-14T05:04:58.630Z	-7.551	146.809	eastern New Guinea region, Papua New Guinea	135	7.1	X	X		X
2011-12-15T10:10:07.210Z	-32.718	-179.099	south of the Kermadec Islands	32	6		X	X	
2011-12-23T10:52:07.020Z	-33.815	-178.344	south of the Kermadec Islands	10	5.4		X	X	
2011-12-23T19:12:34.010Z	-52.12	27.958	south of Africa	10	5.9		X	X	
2011-12-29T00:30:54.800Z	-58.416	-139.874	Pacific-Antarctic Ridge				X	X	
2012-01-01T05:27:55.980Z	31.456	138.072	Izu Islands, Japan region	365.3	6.8	X	X		X
2012-01-09T04:07:14.670Z	-10.617	165.16	Santa Cruz Islands	28	6.4	X	X		X
2012-01-10T18:36:59.080Z	2.433	93.21	off the west coast of northern Sumatra	19	7.2	X	X		X
2012-01-12T14:11:08.430Z	-52.113	28.152	south of Africa	10	5.5		X	X	
2012-01-15T13:40:16.400Z	-60.975	-56.072	South Shetland Islands	10	5.9	X	X	X	
2012-01-15T14:21:31.370Z	-60.882	-55.965	South Shetland Islands	10	6	X	X	X	
2012-01-16T03:59:44.590Z	-60.752	-56.095	South Shetland Islands	10	5.6	X	X	X	
2012-01-17T12:55:34.720Z	11.177	125.837	Samar, Philippines	20	5.7		X		X
2012-01-21T18:47:11.560Z	14.873	-93.005	offshore Chiapas, Mexico	45	6.2	X	X	X	

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2012-01-22T05:53:42.080Z	-56.759	-25.147	South Sandwich Islands region	13	6	X	X	X	
2012-01-24T00:52:05.230Z	-24.977	178.52	south of the Fiji Islands	580.3	6.3	X	X		X
2012-02-02T13:34:40.650Z	-17.827	167.133	Vanuatu	23	7.1	X	X		X
2012-02-03T03:46:21.150Z	-17.378	167.277	Vanuatu	8	6.1	X	X		X
2012-02-06T03:49:12.520Z	9.999	123.206	Negros - Cebu region, Philippines	11	6.7	X	X		X
2012-02-06T10:10:19.850Z	9.885	123.095	Negros - Cebu region, Philippines	9	6	X	X		X
2012-02-13T10:55:09.440Z	9.183	-84.121	Costa Rica	16	5.9	X	X	X	
2012-02-14T08:19:55.470Z	-10.39	161.102	Solomon Islands	51	6.4	X	X		X
2012-02-26T02:35:00.530Z	22.661	120.891	Taiwan	28	5.9	X	X		X
2012-02-26T05:24:59.260Z	-32.495	-177.73	south of the Kermadec Islands	39	5.6		X	X	
2012-02-26T06:17:19.760Z	51.708	95.991	southwestern Siberia, Russia	12	6.7	X	X		X
2012-03-03T12:19:55.090Z	-22.141	170.34	southeast of the Loyalty Islands	14	6.6	X	X		X
2012-03-04T09:44:14.600Z	2.687	-84.34	off the coast of Central America	9	5.5	X	X	X	
2012-03-09T07:09:50.950Z	-19.125	169.613	Vanuatu	16	6.7	X	X		X
2012-03-20T18:02:47.440Z	16.493	-98.231	Oaxaca, Mexico	20	7.4	X	X	X	
2012-03-26T18:12:52.850Z	10.071	-104.16	northern East Pacific Rise	10	6	X	X	X	
2012-04-02T17:36:42.060Z	16.395	-98.316	Oaxaca, Mexico	9	6	X	X	X	
2012-04-11T22:55:10.250Z	18.229	-102.689	Michoacan, Mexico	20	6.5	X	X	X	
2012-04-12T07:15:48.500Z	28.696	-113.104	Baja California, Mexico	13	7	X	X	X	
2012-04-14T10:56:19.380Z	-57.679	-65.308	Drake Passage	15	6.2	X	X	X	
2012-04-14T20:53:55.910Z	-56.845	-25.209	South Sandwich Islands region	23.3	5.3		X	X	
2012-04-14T22:05:26.430Z	-18.972	168.741	Vanuatu	11	6.2		X		X
2012-04-17T07:13:49.000Z	-5.462	147.117	eastern New Guinea region, Papua New Guinea	198	6.8	X	X		X
2012-04-17T19:03:56.370Z	-59.016	-16.612	east of the South Sandwich Islands	12	6.2	X	X	X	
2012-04-23T17:36:21.170Z	-28.556	-177.412	Kermadec Islands region	114	6		X	X	
2012-04-28T10:08:08.090Z	-18.685	-174.705	Tonga	134.7	6.6	X	X	X	X
2012-05-01T16:37:58.800Z	18.251	-101.085	Guerrero, Mexico	51.1	5.7		X	X	
2012-05-01T22:43:33.340Z	14.376	-92.897	offshore Chiapas, Mexico	14	6	X	X	X	
2012-06-04T00:45:15.290Z	5.305	-82.629	south of Panama	7	6.3	X	X	X	
2012-06-04T03:15:24.750Z	5.508	-82.563	south of Panama	7	6.3	X	X	X	
2012-06-13T07:06:44.590Z	-55.796	-28.394	South Sandwich Islands region	86.1	5.5		X	X	
2012-06-16T22:18:47.470Z	15.593	119.563	Luzon, Philippines	28	5.9	X	X		X
2012-06-24T03:15:01.280Z	57.601	163.195	near the east coast of the Kamchatka Peninsula, Russia	10	6	X	X		X
2012-06-29T15:31:46.660Z	-24.747	-9.663	South Atlantic Ocean	10	5.8		X	X	
2012-07-21T04:54:05.500Z	-37.713	-179.968	east of the North Island of New Zealand	11.8	5.6		X	X	X

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2012-07-25T00:27:45.260Z	2.707	96.045	Simeulue, Indonesia	22	6.4	X	X		X
2012-07-25T11:20:27.030Z	-9.694	159.727	Solomon Islands	20	6.4	X	X		X
2012-07-29T12:22:11.810Z	14.191	-92.294	offshore Guatemala	18	5.9	X	X	X	
2012-08-10T18:37:43.090Z	52.633	-167.421	Fox Islands, Aleutian Islands, Alaska	13	6.2	X	X		X
2012-08-26T15:05:37.080Z	2.19	126.837	Molucca Sea	91.1	6.6	X	X		X
2012-08-27T04:37:19.430Z	12.139	-88.59	off the coast of El Salvador	28	7.3		X	X	
2012-08-31T12:47:33.380Z	10.811	126.638	Philippine Islands region	28	7.6	X	X		X
2012-09-05T14:42:07.800Z	10.085	-85.315	Costa Rica	35	7.6	X		X	
2012-09-08T20:29:31.210Z	10.082	-85.323	Costa Rica	35	5.7		X	X	
2012-09-25T23:45:24.940Z	24.666	-110.173	Baja California Sur, Mexico	10	6.3	X	X	X	
2012-09-26T23:39:55.110Z	51.592	-178.295	Andreanof Islands, Aleutian Islands, Alaska	16	6.4	X	X		X
2012-10-08T06:26:23.020Z	25.127	-109.574	Gulf of California	14	5.9	X	X	X	
2012-10-14T10:41:23.260Z	14.684	-92.289	Chiapas, Mexico	68.8	5.5	X	X	X	
2012-10-15T17:52:20.960Z	14.062	-91.01	Guatemala	82.3	5.5		X	X	
2012-10-20T23:00:32.450Z	-13.552	166.564	Vanuatu	36	6.2	X	X		X
2012-10-24T00:45:32.990Z	10.086	-85.298	Costa Rica	17	6.5	X	X	X	
2012-10-28T03:04:08.820Z	52.788	-132.101	Haida Gwaii, Canada	14	7.8	X	X	X	X