Table 1SuppMat: The ID of each event starts with a letter that identifies the source of each single data: D means DISS database; R, B, C, S and T are all CMTs, where R is for Regional CMT (from the RCMT euroMedCatalog, doi), S is for RCMT obtained with only surface

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
D190509080143A	1905-09-08	01:43:00	38.80	16.19	10.0	-0.970	0.260	0.710	0.120	0.210	0.430	2.550	6	300	0.000	0	210	-2.550	83	120	2.550	26	31	38	-90	210	51	-90	6.8
D191501130652A	1915-01-13	06:52:00	41.96	13.61	10.0	-0.870	0.430	0.430	-0.350	0.350	-0.430	1.240	15	224	0.000	0	315	-1.240	74	45	1.240	26	135	60	-90	314	29	-90	6.6
R197605062000A	1976-05-06	20:00:12	46.36	13.27	11.7	3.470	-3.640	0.170	3.780	1.770	-0.200	5.550	63	322	-0.130	11	75	-5.420	24	170	5.490	25	282	23	119	71	70	78	6.4
R197605070023A	1976-05-07	00:23:50	46.25	13.30	25.6	2.330	-2.370	0.040	-0.700	0.980	1.120	2.700	71	260	0.300	15	117	-3.000	11	24	2.850	23	95	37	63	307	58	108	4.9
R197605090053A	1976-05-09	00:53:44	46.26	13.36	19.7	4.670	-4.540	-0.130	0.550	1.920	1.810	5.470	68	288	-0.280	22	110	-5.190	1	20	5.330	23	89	48	60	310	50	119	5.0
R197605112244A	1976-05-11	22:44:00	46.31	13.00	13.3	2.850	-3.150	0.300	1.360	1.370	-0.350	3.630	67	295	-0.080	18	75	-3.560	14	170	3.590	23	283	35	123	65	61	69	4.9
B197606171428A	1976-06-17	14:28:49	46.16	12.86	24.0	4.490	-8.670	4.190	-0.660	1.110	0.440	5.450	49	269	3.270	41	95	-8.720	3	2	7.090	23	58	55	37	305	60	139	5.1
R197609111631A	1976-09-11	16:31:11	46.33	13.20	9.6	8.900	-7.950	-0.950	1.920	3.700	-1.720	10.230	72	283	-1.430	15	71	-8.790	9	163	9.510	23	271	38	116	60	56	71	5.2
R197609111635A	1976-09-11	16:35:03	46.34	13.20	23.9	2.430	-2.200	-0.230	2.040	0.400	-0.370	3.220	69	349	-0.170	0	79	-3.060	21	169	3.140	24	260	24	91	79	66	90	5.6
R197609150315A	1976-09-15	03:15:18	46.32	13.20	1.9	8.110	-7.400	-0.720	2.790	0.530	-2.980	8.600	80	0	0.390	3	250	-8.990	9	160	8.790	24	246	36	84	73	54	94	5.9
R197609150921A	1976-09-15	09:21:18	46.32	13.17	12.0	7.840	-8.390	0.550	5.200	3.580	-2.190	1.023	68	308	0.056	12	69	-1.079	18	163	1.051	25	272	29	115	64	64	77	5.9
S197701130919A	1977-01-13	09:19:06	43.55	17.10	20.0	1.230	-0.870	-0.350	-0.190	2.390	0.500	2.960	54	274	-0.690	14	164	-2.270	33	66	2.620	23	115	17	39	347	79	104	4.8
B197706051359A	1977-06-05	13:59:21	37.88	14.46	8.0	-5.670	6.700	-1.030	6.770	-4.450	0.720	0.982	25	7	0.083	19	107	-1.064	57	230	1.023	23	61	26	-139	293	73	-70	4.6
B197706280712A	1977-06-28	07:12:49	38.63	14.71	261.0	-7.360	0.290	7.060	-7.660	0.700	2.340	0.809	10	117	0.418	31	213	-1.227	57	10	1.018	24	175	44	-137	51	62	-55	5.2
B197708152110A	1977-08-15	21:10:32	38.85	16.98	54.0	6.190	-7.860	1.680	2.950	0.770	3.100	7.160	69	313	2.070	18	102	-9.230	10	195	8.200	23	307	38	120	90	58	68	5.2
B197708280945A	1977-08-28	09:45:14	38.21	8.21	10.0	1.230	-1.430	0.200	0.880	0.500	-0.780	1.550	72	314	0.500	7	65	-2.050	17	157	1.800	24	258	29	104	62	62	82	5.4
R197709162348A	1977-09-16	23:48:08	46.33	13.00	21.2	9.270	-7.140	-2.130	4.100	3.810	0.920	11.370	69	308	-3.270	16	86	-8.100	13	180	9.740	23	291	35	119	77	60	72	5.2
B197712301735A	1977-12-30	17:35:08	40.00	15.42	283.0	-4.590	6.860	-2.270	-2.820	-5.770	0.960	8.130	19	164	1.340	32	62	-9.470	52	279	8.800	24	293	39	-32	49	71	-124	5.9
B197803111920A	1978-03-11	19:20:49	38.10	16.03	33.0	-7.890	7.800	0.090	-1.160	-2.030	1.700	8.310	6	167	0.100	12	76	-8.410	77	282	8.360	23	270	41	-72	66	52	-105	5.2
B197804152333A	1978-04-15	23:33:47	38.39	15.07	14.0	-0.180	-1.120	1.300	-0.450	-0.500	-0.010	1.460	18	93	-0.140	60	217	-1.320	23	355	1.390	25	135	60	-176	43	86	-30	6.0
S197807300519A	1978-07-30	05:19:24	42.65	12.46	10.0	-3.340	0.090	3.250	1.720	-1.110	0.490	3.450	8	94	0.800	23	1	-4.250	66	203	3.850	22	209	42	-55	345	57	-117	4.3
S197812051539A	1978-12-05	15:39:04	44.46	11.99	35.0	0.210	1.740	-1.950	-7.570	-2.380	-6.520	0.971	33	203	0.133	41	79	-1.103	32	317	1.037	23	350	41	0	260	90	131	4.6
B197812271746A	1978-12-27	17:46:10	41.11	13.58	390.0	3.170	-1.720	-1.450	0.480	-4.980	-5.180	7.630	45	58	0.160	39	204	-7.780	18	309	7.700	24	82	44	156	190	74	49	5.8
T197901201349A	1979-01-20	13:49:59	38.67	12.86	9.0	1.770	-1.910	0.140	-1.410	1.010	0.020	2.620	63	232	-0.180	17	105	-2.440	20	9	2.530	23	72	29	53	293	67	109	4.8
B197904090210A	1979-04-09	02:10:20	41.96	19.02	10.0	0.890	-0.730	-0.160	0.370	-1.000	0.590	1.500	59	90	-0.060	21	320	-1.440	22	221	1.470	24	278	30	44	148	70	113	5.3
C197904150619A	1979-04-15	06:19:41	42.04	19.05	4.0	1.420	-0.620	-0.800	2.250	-1.630	0.670	3.160	58	31	-0.080	5	129	-3.070	32	222	3.110	26	328	14	110	127	77	85	6.9
T197904151025A	1979-04-15	10:25:24	41.88	19.28	10.0	2.200	-1.270	-0.930	-0.030	-1.150	1.020	2.610	70	106	-0.350	17	318	-2.260	10	224	2.430	23	294	38	61	149	57	111	4.8
B197904151443A	1979-04-15	14:43:06	42.32	18.68	10.0	0.300	-0.430	0.130	3.190	-5.130	-0.220	6.280	45	59	-0.470	1	328	-5.810	45	236	6.040	24	249	2	11	148	90	91	5.7
S197904170539A	1979-04-17	05:39:57	42.52	18.58	10.0	0.940	-0.390	-0.550	1.350	-1.740	0.760	2.310	58	55	0.280	2	321	-2.600	32	230	2.450	23	311	13	79	142	77	93	4.8
R197904181519A	1979-04-18	15:19:19	46.36	13.28	14.3	0.100	-1.070	0.960	0.280	0.470	0.410	1.280	24	283	-0.100	64	80	-1.180	9	189	1.230	23	323	66	169	58	80	24	4.6
S197905120330A	1979-05-12	03:30:34	42.33	18.76	10.0	0.920	1.310	-2.240	0.670	-0.600	-0.860	2.070	35	17	0.430	54	181	-2.490	8	281	2.280	23	53	60	159	154	72	32	4.8
B197905241723A	1979-05-24	17:23:18	42.26	18.75	8.0	1.720	-0.420	-1.300	-0.550	1.180	0.980	2.140	72	254	0.200	5	150	-2.340	18	58	2.240	25	141	28	80	332	63	95	6.1
B197909192135A	1979-09-19	21:35:37	42.81	13.06	16.0	-5.040	-0.680	5.720	1.700	-3.890	-1.010	7.260	19	79	-0.660	9	346	-6.590	69	231	6.920	24	183	28	-70	341	64	-100	5.8
S197910032257A	1979-10-03	22:57:52	43.53	18.08	10.0	-6.480	3.400	3.080	1.390	2.630	3.170	7.010	12	315	0.180	7	223	-7.190	76	104	7.100	23	54	34	-78	219	57	-98	5.1
B197912080406A	1979-12-08	04:06:34	38.28	11.74	33.0	1.130	-1.230	0.100	0.200	-0.220	-0.510	1.220	74	63	0.190	16	252	-1.400	3	162	1.310	24	235	45	67	87	50	111	5.3
S198001051432A	1980-01-05	14:32:26	45.03	7.46	12.0	1.030	0.060	-1.090	-1.270	-1.150	1.030	2.550	48	144	-0.780	39	347	-1.770	12	248	2.160	23	300	48	31	187	67	133	4.8
R198002200234A	1980-02-20	02:34:02	39.30	16.21	12.0	-4.940	-0.660	5.590	-0.560	0.550	0.670	5.690	3	276	-0.640	8	185	-5.050	82	24	5.370	22	14	43	-78	178	48	-101	4.4
S198002282104A	1980-02-28	21:04:40	42.82	12.99	10.0	-0.300	-0.850	1.150	-2.370	-2.430	-0.810	3.160	42	110	0.820	19	218	-3.980	42	326	3.570	23	128	19	-179	38	90	-71	4.9
S198003091203A	1980-03-09	12:03:40	39.94	16.12	19.0	-1.450	0.450	0.990	0.420	-0.350	-0.420	1.320	11	59	0.240	6	328	-1.560	78	210	1.440	23	157	35	-80	324	56	-97	4.7
R198005140141A	1980-05-14	01:41:03	40.46	15.85	24.0	-2.000	1.090	0.910	0.140	-0.830	-1.120	2.230	9	45	0.000	13	137	-2.230	74	281	2.230	23	119	38	-112	326	56	-74	4.8
B198005281951A	1980-05-28	19:51:19	38.48	14.25	14.0	3.470	-3.920	0.450	-0.240	-0.360	-1.030	3.510	84	98	0.650	6	257	-4.160	2	347	3.840	24	83	43	99	252	48	82	5.6
R198006010232A	1980-06-01	02:32:52	38.39	14.33	10.0	1.720	-1.530	-0.200	-0.350	-0.200	-0.830	1.770	84	146	0.200	1	244	-1.970	6	334	1.870	23	65	39	91	243	51	89	4.7
S198006071835A	1980-06-07	18:35:01	44.09	10.72	16.0	-5.930	3.610	2.310	-8.440	2.860	-4.810	1.183	26	214	-0.098	15	117	-1.085	60	0	1.134	23	334	23	-50	112	72	-105	4.6
S198006091602A	1980-06-09	16:02:48	42.29	13.88	20.0	-1.190	1.040	0.150	-0.330	-0.050	0.080	1.090	8	175	0.140	1	85	-1.240	82	347	1.160	23	266	37	-88	84	53	-91	4.6
S198006142056A	1980-06-14	20:56:50	41.85	13.73	8.0	-3.510	2.590	0.920	-0.850	0.430	-1.060	3.240	8	206	0.400	0	296	-3.640	82	28	3.440	23	296	37	-90	116	53	-90	4.9
S198006161444A	1980-06-16	14:44:34	41.88	13.70	10.0	-4.860	3.110	1.760	-4.020	-0.660	-0.790	4.860	22	190	1.780	9	96	-6.640	66	344	5.750	22	296	25	-68	92	67	-100	4.4
S198006221914A	1980-06-22	19:14:33	43.10	17.42	10.0	0.800	-0.520	-0.280	7.580	-5.320	0.230	9.360	47	35	-0.140	0	305	-9.220	43	215	9.290	22	300	2	85	125	88	90	4.5
S198011071108A	1980-11-07	11:08:40	42.77	18.69	10.0	0.930	-1.430	0.500	1.920	0.200	2.760	3.260	32	313	0.590	52	97	-3.850	18	212	3.560	22	348	54	169	85	81	37	4.3
Z198011231834A	1980-11-23	18:34:53	40.91	15.37	10.0	-2.470	1.470	1.000	0.480	-0.010	-1.110	2.400	4	39	0.130	6	308	-2.530	82	163	2.470	26	135	41	-80	303	50	-98	6.8
R198011240023A	1980-11-24	00:23:59	40.89	15.26	10.0	-2.760	0.270	2.480	1.200	-2.220	-3.150	5.480	17	55	-1.910	10	148	-3.570	70	267	4.520	23	131	29	-110	333	63	-79	5.0
S198011240303A	1980-11-24	03:03:53	40.90	15.33	10.0	-3.280	1.590	1.690	-0.810	-1.710	-1.780	3.490	6	49	0.630	23	142	-4.120	66	305	3.800	23	115	44	-125	339	56	-61	4.9
B198011251828A	1980-11-25	18:28:21	40.65	15.40	10.0	-1.050	0.960	0.090	1.010	-0.100	-0.510	1.560	21	20	-0.080	11	286	-1.470	66	170	1.510	24	129	26	-65	281	67	-102	5.3
R198011251706A	1980-11-25	17:06:44	40.70	15.47	10.0	-2.460	1.120	1.330	0.350	-1.880	-1.240	2.980	18	54	0.250	14	148	-3.240	67	275	3.110	23	122	30	-119	335	64	-74	4.9
S198012032354A	1980-12-03	23:54:24	40.74	15.48	10.0	-2.010	0.850	1.160	0.700	-0.310	-1.110	2.240	9	48	-0.070	8	316	-2.170	77	185	2.200	23	148	36	-76	310	55	-100	4.8
R198012090550A	1980-12-09	05:50:13	38.89	16.22	76.0	9.720	-3.980	-5.740	5.760	5.730	-4.870	1.268	70	319	0.006	3	222	-1.273	20	131	1.271	23	216	25	84	43	65	93	4.6
S198012231201A	1980-12-23	12:01:03	44.71	9.94	10.0	-3.070	-6.100	9.170	-3.840	1.170	-1.460	9.510	7	263	-0.780	55	162	-8.740	34	358	9.120	22	35	61	-20	135	72	-149	4.5
B198101160037A	1981-01-16	00:37:46	40.95	15.37	15.0	-7.250	5.780	1.470	3.690	-2.140	-3.090	8.540	15	27	-0.140	1	118	-8.400	75	212	8.470	23	115	30	-93	298	60	-89	5.2
S198102141727A	1981-02-14	17:27:44	41.05	14.60	10.0	0.930	-0.230	-0.690	-0.930	1.710	-1.590	2.900	44	228	-0.620	41	16	-2.280	17	122	2.590	23	254	46	157	1	73	46	4.8
S198104220426A	1981-04-22	04:26:20	43.37	8.23	19.0	4.720	0.290	-5.010	-2.550	1.340	-0.710	6.090	64	198	-0.880	25	1	-5.220	7	94	5.660	22	210	44	127	343	56	60	4.4
R198106071300A	1981-06-07	13:00:56	37.67	12.47	18.0	1.900	-2.090	0.190	-2.140	0.520	-0.840	3.060	61	214	0.060	19	87	-3.120	22	349	3.090	23	48	29	48	274	69	110	4.9
R198106220936A	1981-06-22	09:36:18	38.49	14.09	13.0	1.600	-1.090	-0.510	0.260	-0.450	-1.010	1.780	71	56	0.080	19	232	-1.850	1	323	1.810	23	71	47	116	215	49	65	4.7
B198108130258A	1981-08-13	02:58:11	44.86	17.33	9.0	-0.280	-2.640	2.920	-2.560	-0.380	1.190	3.440	17	109	0.920	53	223	-4.360	31	7	3.900	24	152	55	-169	55	81	-36	5.6
R198111290506A	1981-11-29	05:06:47	40.74	15.64	33.0	-4.820	2.890	1.930	-0.370	-4.260	-4.140	7.190	13	47	0.190	29	144	-7.380	58	295	7.280	22	104	41	-138	340	64	-58	4.5
S198203161352A	1982-03-16	13:52:23	46.17	16.26	14.0	1.490	-1.070	-0.420	0.330	0.000	-0.030	1.530	83	2	-0.420	0	268	-1.110	7	178	1.320	23	267	38	89	88	52	91	4.6
S198203210944A	1982-03-21	09:44:00	39.70	15.64	18.9	-0.680	0.210	0.480	0.430	0.050	0.490	0.900	11	310	-0.040	22	45	-0.870	65	195	0.890	24	15	39	-127	239	60	-64	5.2
R198208151509A	1982-08-15	15:09:49	40.81	15.36	10.0	-8.370	5.500	2.870	5.000	2.960	-7.430	1.193	6	38	0.007	32	304	-1.200	57	137	1.196	24	158	48	-45	282	59	-128	5.3
S198210170645A	1982-10-17	06:45:37	43.12	12.59	13.0	-9.900	2.180	7.720	-2.840	-5.610	-4.350	1.080	11	66	0.182	21	161	-1.262	66	311	1.171	23	132	39	-125	354	59	-65	4.6
S198210171056A	1982-10-17	10:56:47	43.16	12.59	16.0	-8.310	1.040	7.270	-2.490	-6.220	-3.340	1.009	16	74	0.138	20	170	-1.146	64	308	1.078	23	137	34	-128	0	64	-68	4.6
S198210181529A	1982-10-18	15:29:23	43.13	12.63	19.0	-5.820	0.810	5.020	-2.500	-5.980	-1.820	7.730	23	84	1.640	18	181	-9.370	61	306	8.550	22	143	27	-131	8	70	-71	4.5
B198211162341A	1982-11-16	23:41:20	40.98	19.54	10.0	2.570	-1.270	-1.300	-0.090	-1.920	1.320	3.440	65	108	-0.480	20	328	-2.960	15	232	3.200	24	297	35	54	159	63	112	5.6
S198308121936A	1983-08-12	19:36:30	41.75	13.85	10.0	-1.750	1.140	0.610	-0.310	-0.680	-0.480	1.420	2	32	0.570	18	122	-1.990	72	297	1.710	23	104	46	-115	318	49	-66	4.7
B198311091629A	1983-11-09	16:29:51	44.69	10.32	37.0	2.190	-1.600	-0.590	-2.610	0.080	-3.160	4.150	49	214	0.720	37	66	-4.860	16	324	4.500	23	14	43	29	262	71	129	5.0
B198403210112A	1984-03-21	01:12:43	39.40	15.18	278.0	0.640	-3.080	2.450	-4.930	-5.850	1.310	9.000	42	117	-1.780	21	227	-7.220	41	337	8.110	23	136	21	179	227	90	69	5.2
S198404221739A	1984-04-22	17:39:23	43.62	10.19	15.0	-9.780	2.140	7.640	-4.110	1.490	-3.050	0.950	9	243	0.158	14	150	-1.108	73	6	1.029	23	349	38	-67	141	56	-107	4.6
B198404290502A	1984-04-29	05:02:59	43.27	12.57	14.0	-2.100	1.130	0.980	2.210	-1.340	-1.150	3.380	25	39	-0.040	6	306	-3.340	64	203	3.360	24	143	21	-72	304	70	-97	5.6
B198405071749A	1984-05-07	17:49:41	41.77	13.89	10.0	-5.770	0.830	4.940	4.730	-2.180	-2.350	7.340	19	57	0.950	19	320	-8.290	63	189	7.820	24	174	31	-52	312	66	-110	5.8
S198405111314A	1984-05-11	13:14:56	41.83	13.94	17.0	-1.750	1.680	0.060	-0.970	0.140	-0.080	1.940	15	184	0.060	2	274	-2.010	75	12	1.970	23	271	30	-94	95	60	-88	4.8
B198405111041A	1984-05-11	10:41:49	41.83	13.95	13.0	-2.270	0.890	1.380	0.540	0.100	-0.500	1.700	3	56	0.670	10	326	-2.360	80	164	2.030	24	156	43	-76	317	49	-103	5.4
B198405131245A	1984-05-13	12:45:53	42.93	17.73	10.0	0.860	-0.630	-0.220	1.400	-0.410	0.380	1.710	59	10	-0.040	6	110	-1.670	30	203	1.690	24	311	16	112	108	75	84	5.4
T198501162335A	1985-01-16	23:35:58	40.69	19.22	14.0	3.980	-1.100	-2.880	-0.380	-5.440	3.210	7.430	56	114	-0.340	24	344	-7.090	23	243	7.260	23	296	30	38	172	72	115	5.1
B198508150428A	1985-08-15	04:28:47	47.05	18.06	10.0	-0.530	2.270	-1.740	0.060	-2.180	5.680	6.500	10	143	-0.170	70	24	-6.340	17	236	6.420	23	279	71	-5	11	85	-161	5.1
B198510271934A	1985-10-27	19:34:57	36.40	6.75	10.0	1.310	-5.510	4.190	0.640	-2.370	-2.780	6.170	27	75	0.080	63	255	-6.250	0	165	6.210	24	213	71	20	117	71	160	5.8
B198511212157A	1985-11-21	21:57:14	41.72	19.32	22.0	1.500	-0.740	-0.760	0.690	-1.720	0.580	2.460	62	76	-0.270	9	330	-2.190	26	236	2.330	24	306	20	65	153	72	99	5.5
S198511251643A	1985-11-25	16:43:56	42.30	18.75	17.0	-0.620	1.000	-0.380	-0.090	-0.530	0.320	1.100	8	165	-0.040	39	69	-1.060	50	264	1.080	23	291	50	-36	45	63	-134	4.6
S198601080027A	1986-01-08	00:27:20	42.59	15.31	27.0	1.290	-0.780	-0.500	0.120	0.000	0.610	1.300	86	342	-0.020	3	128	-1.270	2	218	1.280	23	312	43	95	125	47	86	4.6
S198601260733A	1986-01-26	07:33:56	42.63	15.33	10.0	3.260	-2.360	-0.900	1.660	-0.140	1.380	3.730	74	349	-0.200	10	116	-3.530	13	208	3.630	22	311	33	108	110	58	78	4.3
S198608291457A	1986-08-29	14:57:02	46.34	12.47	10.0	1.460	-1.040	-0.420	0.380	-0.500	-0.640	1.690	70	55	-0.240	20	239	-1.450	1	149	1.570	23	219	47	62	77	50	117	4.7
S198610011953A	1986-10-01	19:53:41	44.34	10.19	28.0	-5.930	2.920	3.000	0.280	-0.330	-3.640	6.620	2	45	-0.680	0	135	-5.940	88	235	6.280	22	135	43	-91	316	47	-90	4.4
B198611251359A	1986-11-25	13:59:42	44.14	16.41	27.0	1.590	-1.670	0.090	1.960	0.110	0.270	2.530	64	348	0.080	6	92	-2.610	25	185	2.570	24	289	21	108	89	70	83	5.5
S198612160622A	1986-12-16	06:22:51	45.06	14.80	10.0	6.010	-5.300	-0.710	-1.500	1.390	-1.900	6.580	74	235	-0.510	15	73	-6.060	5	342	6.320	22	56	42	67	265	52	110	4.4
S198612241648A	1986-12-24	16:48:05	44.09	16.35	31.0	1.340	-1.660	0.310	0.600	0.130	-0.100	1.470	78	334	0.310	5	86	-1.780	11	177	1.630	23	273	34	98	83	56	84	4.7
R198701280533A	1987-01-28	05:33:21	40.95	15.47	10.0	-7.030	0.190	6.850	0.680	0.080	-4.600	9.200	1	63	-2.080	7	333	-7.120	83	159	8.160	22	160	45	-79	326	46	-100	4.5
S198705022043A	1987-05-02	20:43:53	44.82	10.72	10.0	0.250	-1.510	1.260	-0.220	0.340	-0.070	1.370	18	267	0.170	71	110	-1.540	7	0	1.450	23	45	73	8	312	83	163	4.7
S198707031021A	1987-07-03	10:21:58	43.25	13.94	12.0	3.300	-1.500	-1.800	2.030	2.180	2.870	5.410	55	315	-0.880	35	139	-4.530	2	47	4.970	23	107	53	44	347	56	134	5.0
S198707051312A	1987-07-05	13:12:36	43.78	12.23	11.0	-6.000	4.600	1.400	-0.650	-0.380	-1.630	5.300	2	202	0.770	5	112	-6.070	84	317	5.690	22	298	43	-83	108	48	-97	4.4
R198708130722A	1987-08-13	07:22:09	37.90	15.06	41.0	-0.280	0.250	0.030	-1.270	-0.280	-1.110	1.640	26	211	0.180	41	95	-1.820	38	323	1.730	23	352	42	-10	89	83	-131	4.7
S198709041642A	1987-09-04	16:42:00	43.25	13.88	11.0	6.530	0.120	-6.650	5.590	6.190	6.590	1.356	49	322	-0.246	39	162	-1.109	10	64	1.232	23	117	49	34	4	65	133	4.6
R198801081305A	1988-01-08	13:05:46	40.08	16.01	10.0	-1.160	0.320	0.830	0.440	-0.560	-0.660	1.480	15	55	-0.130	2	325	-1.350	75	228	1.410	23	148	30	-86	324	60	-92	4.7
B198801090102A	1988-01-09	01:02:47	41.24	19.60	28.0	2.880	0.070	-2.950	1.440	-8.270	1.490	8.740	55	86	0.510	5	349	-9.250	35	255	8.990	24	321	12	62	170	80	95	5.9
B198804260053A	1988-04-26	00:53:45	42.37	16.57	24.0	1.290	-1.190	-0.090	0.170	0.640	-0.010	1.550	68	279	-0.340	21	85	-1.210	5	177	1.380	24	289	44	121	68	53	63	5.3

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
S198804261917A	1988-04-26	19:17:56	42.21	16.48	15.0	4.770	-3.730	-1.030	-3.180	-0.640	0.450	5.910	70	161	-1.100	7	271	-4.810	18	4	5.360	22	105	28	105	268	63	82	4.4
S198808231738A	1988-08-23	17:38:47	43.70	17.44	10.0	6.620	-6.130	-0.490	-5.200	7.810	2.670	1.216	59	251	-0.106	16	133	-1.110	26	35	1.163	23	92	24	47	318	73	107	4.6
B198901031652A	1989-01-03	16:52:19	35.50	11.66	10.0	-1.180	4.540	-3.360	0.000	0.000	-3.750	6.030	0	202	-1.180	90	180	-4.850	0	112	5.440	23	247	90	180	337	90	0	5.0
T198901060526A	1989-01-06	05:26:58	35.59	11.69	10.0	-2.440	-0.310	2.750	4.210	-0.560	-3.700	6.260	20	49	-0.110	37	302	-6.150	46	161	6.210	23	183	41	-23	290	75	-129	5.1
S198909132153A	1989-09-13	21:53:59	45.80	11.21	10.0	0.270	-2.310	2.040	-0.030	0.020	0.920	2.230	0	281	0.270	89	157	-2.500	1	11	2.360	23	56	89	0	146	90	-179	4.8
T198909242127A	1989-09-24	21:27:54	41.29	19.49	9.0	1.740	-0.510	-1.230	4.100	-2.850	0.610	5.450	53	29	-0.400	6	127	-5.050	36	222	5.250	22	341	10	124	126	81	84	4.4
S198912220648A	1989-12-22	06:48:13	43.06	12.76	33.0	1.320	-0.920	-0.390	3.740	-0.020	-4.210	5.480	36	36	0.500	46	258	-5.990	22	143	5.730	22	185	47	12	87	81	136	4.4
S199001240445A	1990-01-24	04:45:05	39.17	16.92	47.0	-2.800	3.560	-0.750	-3.300	-0.650	-2.970	5.930	18	202	-0.880	33	100	-5.050	52	316	5.490	22	331	40	-32	87	70	-125	4.4
S199002010624A	1990-02-01	06:24:14	42.20	15.57	10.0	4.340	-3.320	-1.020	3.300	0.320	-1.930	5.590	69	9	-0.200	11	249	-5.390	18	155	5.490	22	227	29	66	74	64	103	4.4
S199002182010A	1990-02-18	20:10:48	42.18	16.44	10.0	0.520	-0.220	-0.300	2.260	1.660	-0.270	2.870	50	326	-0.010	2	233	-2.850	40	141	2.860	22	209	6	66	53	85	92	4.2
T199004032202A	1990-04-03	22:02:37	43.42	17.40	10.0	-1.250	0.650	0.600	0.420	0.290	-1.240	1.870	2	44	-0.340	28	313	-1.530	61	137	1.700	23	160	50	-51	289	53	-126	4.7
B199005050721A	1990-05-05	07:21:19	40.75	15.85	26.0	-0.770	0.080	0.690	2.090	-1.930	-5.110	6.600	21	46	-1.850	69	237	-4.750	3	138	5.670	24	184	73	13	90	78	162	5.7
R199005050738A	1990-05-05	07:38:12	40.75	15.81	15.0	0.470	-1.110	0.630	-0.110	0.210	-1.850	1.850	10	238	0.430	80	55	-2.280	0	148	2.060	23	282	83	173	13	83	7	4.8
S199007311550A	1990-07-31	15:50:52	43.02	17.81	10.0	9.840	-8.250	-1.580	-1.990	-0.300	3.230	10.090	82	154	-0.380	6	291	-9.720	5	21	9.900	22	118	40	99	286	50	83	4.6
S199009031048A	1990-09-03	10:48:33	45.92	15.87	20.0	2.080	-2.140	0.060	0.160	0.120	-0.460	2.090	86	302	0.150	3	78	-2.240	2	169	2.170	23	261	43	94	76	47	87	4.8
R199010290816A	1990-10-29	08:16:14	36.23	14.67	23.0	-0.810	-0.750	1.570	0.360	-0.070	-1.430	2.260	4	64	-0.710	68	324	-1.550	22	156	1.910	23	198	72	-13	292	78	-161	4.7
B199011270437A	1990-11-27	04:37:57	43.87	16.63	10.0	1.750	-1.480	-0.270	1.740	-0.480	0.890	2.520	67	5	0.150	7	112	-2.670	22	205	2.590	24	308	24	108	109	67	82	5.5
B199012130024A	1990-12-13	00:24:24	37.20	15.50	10.0	0.560	-0.760	0.200	0.150	1.360	-2.920	3.060	22	233	0.430	64	17	-3.490	14	137	3.270	24	274	64	174	7	85	26	5.6
B199012140321A	1990-12-14	03:21:26	39.30	15.38	279.0	-1.180	-0.410	1.600	6.100	-9.150	-3.410	1.279	38	55	-0.294	2	147	-0.985	52	239	1.132	24	129	7	-107	327	83	-88	5.3
S199102111543A	1991-02-11	15:43:43	44.87	6.70	14.0	-1.600	-3.000	4.600	0.490	-0.260	-0.030	4.610	2	90	-1.460	72	352	-3.160	17	180	3.880	22	224	76	-11	316	79	-166	4.3
B199102260725A	1991-02-26	07:25:47	40.18	13.80	401.0	2.970	-6.290	3.320	-2.030	-6.070	-6.670	1.006	36	73	0.124	47	216	-1.130	19	328	1.068	24	104	49	166	204	79	42	5.2
R199105261226A	1991-05-26	12:26:00	40.73	15.77	8.0	-1.770	0.180	1.590	1.380	-0.130	-4.960	6.030	7	48	-1.550	68	299	-4.480	20	141	5.250	23	183	71	-9	276	81	-160	5.0
S199109081945A	1991-09-08	19:45:22	42.16	18.75	10.0	4.330	-1.960	-2.370	-0.420	1.870	2.470	4.820	75	278	0.120	11	141	-4.950	10	49	4.880	22	125	36	70	329	56	104	4.4
R199204061308A	1992-04-06	13:08:34	37.83	14.61	21.0	-1.720	1.280	0.440	0.390	-0.260	-0.210	1.390	8	15	0.400	4	105	-1.790	81	221	1.590	23	100	37	-97	288	53	-85	4.7
B199204251246A	1992-04-25	12:46:17	38.58	14.95	246.0	-3.980	3.510	0.480	-2.950	-0.710	-3.640	6.370	12	211	-0.680	29	114	-5.680	58	320	6.020	23	332	42	-43	97	63	-123	5.1
S199205080644A	1992-05-08	06:44:39	47.27	9.50	5.0	-0.520	-0.160	0.690	-0.290	-4.120	-2.990	5.150	32	62	-0.010	36	179	-5.140	38	303	5.140	22	96	36	-174	1	86	-54	4.4
S199206071145A	1992-06-07	11:45:59	43.84	18.81	11.0	0.570	-3.270	2.700	0.100	0.460	2.570	3.720	8	290	0.500	82	116	-4.220	1	20	3.970	22	66	84	5	335	85	173	4.3
S199207160538A	1992-07-16	05:38:53	42.43	14.30	5.0	1.410	-1.470	0.060	-1.140	-1.610	-1.290	2.500	58	98	0.470	21	226	-2.970	23	325	2.730	22	89	29	138	218	71	68	4.2
S199306011951A	1993-06-01	19:51:10	46.17	16.47	30.0	1.300	-1.090	-0.200	-0.280	0.400	0.220	1.420	76	249	-0.220	11	108	-1.200	9	16	1.310	23	93	38	71	296	55	104	4.6
S199306051916A	1993-06-05	19:16:16	43.12	12.68	8.0	-1.400	0.380	1.020	-0.040	-0.560	-0.580	1.440	9	62	0.100	11	153	-1.540	76	291	1.490	23	139	37	-108	341	55	-77	4.7
R199306261747A	1993-06-26	17:47:53	37.92	14.21	10.0	0.080	1.050	-1.130	1.960	-0.140	-2.140	3.340	29	26	-0.540	53	250	-2.800	21	129	3.070	23	170	53	6	76	85	143	4.9
B199309101602A	1993-09-10	16:02:32	35.00	12.40	10.0	-0.200	-5.920	6.120	1.880	-0.970	-7.180	9.750	9	64	-0.300	77	286	-9.450	8	156	9.600	23	200	78	1	110	89	168	5.2
T199312242153A	1993-12-24	21:53:19	40.18	19.78	10.0	0.260	0.040	-0.300	1.450	-1.520	1.460	1.640	55	28	1.330	9	132	-2.970	33	228	2.300	23	350	15	129	130	79	81	4.8
B199401051324A	1994-01-05	13:24:11	39.16	15.18	291.0	-2.170	-1.970	4.140	-3.510	-3.290	0.010	5.830	27	103	0.320	30	210	-6.150	48	339	5.990	24	146	33	-157	37	78	-60	5.7
R199403212140A	1994-03-21	21:40:57	39.73	15.73	312.0	1.080	-0.840	-0.240	-2.330	-3.400	-1.590	4.040	53	109	0.840	11	215	-4.890	34	313	4.460	23	83	15	139	213	80	79	5.0
S199404202125A	1994-04-20	21:25:25	46.30	12.57	10.0	0.840	-1.240	0.400	0.850	-0.380	-1.290	1.760	41	54	0.300	47	256	-2.060	12	154	1.910	22	203	53	24	97	71	140	4.1
T199409170456A	1994-09-17	04:56:26	36.46	9.17	10.0	-0.060	-0.180	0.230	1.090	0.220	-1.110	1.420	25	40	0.300	47	279	-1.720	32	147	1.570	23	181	47	-6	275	86	-137	4.7
A199501072030A	1995-01-07	20:30:47	37.92	19.95	10.0	-2.580	1.990	0.590	0.990	-0.430	-2.130	3.710	10	36	-0.930	7	305	-2.780	78	179	3.250	23	134	36	-78	300	55	-98	4.9
S199505221250A	1995-05-22	12:50:31	45.62	14.23	27.0	-0.490	-4.220	4.700	-1.180	0.330	4.620	6.670	1	113	-0.240	78	209	-6.430	12	23	6.550	22	159	81	-173	67	83	-9	4.4
R199505290652A	1995-05-29	06:52:27	37.90	12.07	11.0	-0.270	0.610	-0.340	0.230	-0.590	-1.660	1.990	14	38	-0.310	70	170	-1.680	14	305	1.830	23	82	70	-180	351	90	-20	4.7
S199507150645A	1995-07-15	06:45:22	42.75	17.41	10.0	2.500	-1.790	-0.710	-0.230	0.300	1.240	2.530	85	250	0.100	3	124	-2.620	4	33	2.580	23	120	41	86	306	49	94	4.8
S199508241727A	1995-08-24	17:27:34	44.13	10.76	34.0	-5.200	3.010	2.190	-0.790	-0.890	-3.730	6.360	0	42	-0.830	15	132	-5.530	75	312	5.940	22	117	47	-111	327	47	-69	4.4
S199508250927A	1995-08-25	09:27:21	45.37	17.64	23.0	1.050	-1.170	0.120	-0.940	0.550	0.180	1.550	65	227	0.040	13	108	-1.590	21	13	1.570	23	81	26	60	294	68	104	4.7
B199509221120A	1995-09-22	11:20:10	35.33	8.25	10.0	-2.170	2.950	-0.770	9.590	-0.610	-8.410	1.391	28	31	-0.197	40	274	-1.195	37	145	1.293	24	173	41	-8	270	84	-130	5.3
B199509282344A	1995-09-28	23:44:41	42.65	18.09	10.0	-1.650	2.010	-0.360	2.300	-4.540	5.020	6.180	11	137	2.000	50	34	-8.180	38	235	7.180	23	269	56	-21	11	72	-144	5.1
B199509301014A	1995-09-30	10:14:30	41.90	15.97	10.0	5.160	-1.490	-3.670	3.720	1.530	-2.930	6.830	66	357	-0.110	16	225	-6.720	17	130	6.780	23	197	32	58	53	64	108	5.1
S199510100654A	1995-10-10	06:54:22	44.18	10.01	10.0	-0.430	0.170	0.250	0.380	-0.830	-1.960	2.440	17	47	-0.610	68	184	-1.830	14	312	2.130	23	89	68	178	180	88	22	4.8
S199512312129A	1995-12-31	21:29:47	44.47	10.65	27.0	-1.750	-5.650	7.400	-1.760	-1.440	2.050	8.010	10	100	-1.540	69	217	-6.470	19	6	7.240	22	144	70	-174	52	84	-20	4.5
B199602011757A	1996-02-01	17:57:55	37.76	19.86	10.0	0.830	0.180	-1.000	0.530	0.110	-0.030	1.130	61	355	-0.120	29	186	-1.010	4	93	1.070	24	156	48	49	28	56	126	5.2
T199602201412A	1996-02-20	14:12:00	44.51	17.24	10.0	-0.470	0.420	0.050	1.230	-3.670	0.190	3.630	43	72	0.500	1	342	-4.120	47	251	3.880	23	180	2	-72	342	88	-91	5.0
R199602250120A	1996-02-25	01:20:01	38.81	15.69	208.0	-0.930	0.300	0.620	-0.570	-1.300	-0.920	1.620	19	62	0.440	33	165	-2.060	51	307	1.840	23	112	39	-150	357	72	-55	4.7
R199604031304A	1996-04-03	13:04:34	40.76	15.49	10.0	-2.440	1.300	1.140	0.600	-1.440	-1.000	2.640	16	47	0.330	10	140	-2.960	71	260	2.800	23	123	30	-110	325	62	-79	4.9
C199609052044A	1996-09-05	20:44:09	42.80	17.94	10.0	1.110	-0.350	-0.750	0.310	-0.430	0.460	1.230	77	53	-0.050	1	146	-1.180	13	236	1.200	25	328	32	92	146	58	89	5.9
S199609052143A	1996-09-05	21:43:31	42.83	17.84	10.0	1.140	-0.670	-0.460	-0.590	0.860	0.730	1.550	68	250	0.120	9	137	-1.670	20	44	1.610	23	119	26	70	321	66	100	4.7
B199609091557A	1996-09-09	15:57:05	42.77	17.87	10.0	3.060	-0.500	-2.560	4.660	-9.130	3.570	1.010	55	72	0.198	7	332	-1.207	34	238	1.108	24	301	13	58	154	79	97	5.3
B199609171345A	1996-09-17	13:45:22	42.87	17.82	10.0	1.400	-1.070	-0.330	0.400	-0.490	0.910	1.540	77	72	0.250	8	306	-1.800	11	215	1.670	24	295	35	76	132	56	99	5.4
B199610150955A	1996-10-15	09:55:59	44.79	10.78	10.0	1.030	-1.060	0.030	0.370	-0.740	-0.630	1.570	57	65	-0.220	33	246	-1.350	1	156	1.460	24	217	53	47	94	54	132	5.3
S199610151218A	1996-10-15	12:18:24	44.78	10.73	10.0	3.030	-3.420	0.390	0.140	2.580	-2.090	4.730	56	257	-0.180	33	56	-4.550	10	152	4.640	22	275	45	139	36	63	53	4.3
S199610201906A	1996-10-20	19:06:55	42.60	13.28	10.0	-3.440	1.090	2.350	0.270	-2.530	-1.910	4.380	16	59	0.040	15	153	-4.420	68	283	4.400	22	128	31	-119	341	63	-74	4.3
R199612140018A	1996-12-14	00:18:44	37.81	13.84	40.0	-1.760	1.770	-0.010	2.420	1.170	-0.480	3.010	27	358	0.450	17	259	-3.460	57	141	3.230	22	123	23	-43	254	74	-108	4.2
S199612210846A	1996-12-21	08:46:01	40.04	13.02	487.0	5.030	-9.410	4.380	5.110	-5.230	-5.650	1.257	43	64	-0.051	45	267	-1.206	12	165	1.232	24	214	51	25	107	70	139	5.3
R199701121210A	1997-01-12	12:10:51	40.96	19.67	10.0	-0.210	0.230	-0.020	0.800	-0.530	2.110	2.240	6	318	0.160	66	61	-2.410	23	225	2.330	23	4	70	-167	270	78	-21	4.8
R199701191942A	1997-01-19	19:42:38	40.82	19.67	10.0	0.050	0.000	-0.050	0.620	-0.160	1.310	1.380	15	319	0.160	65	84	-1.540	20	223	1.460	23	2	65	-177	270	87	-25	4.7
R199703192310A	1997-03-19	23:10:49	41.40	14.63	10.0	-6.350	4.990	1.360	-3.750	3.310	-1.390	7.110	20	205	1.180	9	298	-8.300	68	51	7.700	22	280	27	-110	122	65	-80	4.5
R199703250046A	1997-03-25	00:46:13	36.93	16.03	33.0	-0.170	-3.090	3.260	-0.180	-1.470	-5.840	6.920	9	60	-0.240	78	199	-6.690	8	329	6.810	22	104	78	179	194	89	12	4.4
R199707200339A	1997-07-20	03:39:11	41.26	19.82	33.0	-4.440	2.650	1.790	-1.000	3.040	9.630	1.198	5	316	-0.278	58	218	-0.920	32	49	1.059	23	87	64	-20	186	72	-153	4.6
R199709032207A	1997-09-03	22:07:29	43.01	12.90	10.2	-6.860	3.330	3.530	2.960	-2.800	-3.490	8.030	15	46	-0.050	1	315	-7.980	75	221	8.000	22	137	30	-88	315	60	-91	4.5
C199709260033A	1997-09-26	00:33:12	43.05	12.88	10.0	-3.110	0.850	2.260	1.050	-0.530	-2.450	4.260	8	52	-0.890	12	320	-3.380	75	176	3.820	24	156	38	-71	312	54	-105	5.6
C199709260940A	1997-09-26	09:40:26	43.08	12.81	10.0	-1.070	0.430	0.640	0.180	-0.160	-0.610	1.180	6	50	-0.090	2	320	-1.090	84	214	1.140	25	142	39	-87	318	51	-92	5.9
R199709261330A	1997-09-26	13:30:51	43.01	12.97	10.0	-6.190	1.930	4.260	2.300	-3.200	-2.770	7.260	16	56	0.090	1	326	-7.350	74	233	7.300	22	147	29	-88	325	61	-91	4.5
R199709261454A	1997-09-26	14:54:27	43.06	12.85	10.0	-2.550	-0.540	3.090	2.040	-0.290	-1.030	3.490	9	71	0.340	31	336	-3.830	58	175	3.660	22	193	45	-43	316	61	-126	4.3
R199709270808A	1997-09-27	08:08:07	43.09	12.81	5.5	-3.950	1.210	2.750	-0.720	1.270	-1.670	4.080	10	238	0.140	1	328	-4.220	80	63	4.150	22	326	35	-92	148	55	-89	4.3
R199709271713A	1997-09-27	17:13:02	43.02	12.83	10.0	-1.560	0.890	0.670	0.050	1.480	-1.060	2.140	17	230	0.250	25	328	-2.390	60	109	2.260	22	288	36	-135	160	66	-63	4.1
R199709271956A	1997-09-27	19:56:43	43.06	12.77	10.0	-3.170	1.960	1.210	1.210	-0.620	-2.040	3.910	11	39	-0.460	5	308	-3.450	78	191	3.680	22	136	35	-80	304	56	-97	4.3
R199710021938A	1997-10-02	19:38:02	43.64	12.14	10.0	-4.550	1.990	2.560	2.290	0.350	-2.800	5.260	8	45	0.200	21	312	-5.460	68	155	5.360	22	158	41	-58	298	56	-115	4.4
R199710030855A	1997-10-03	08:55:21	43.03	12.84	10.0	-7.960	4.820	3.140	1.670	0.420	-4.920	9.030	3	40	-0.740	11	309	-8.280	79	147	8.650	23	141	43	-74	300	49	-104	5.2
R199710040649A	1997-10-04	06:49:59	42.90	12.90	10.0	-4.760	3.010	1.740	-0.100	0.890	-1.960	4.480	4	217	0.400	7	307	-4.880	82	99	4.680	22	299	42	-101	133	49	-81	4.3
R199710041507A	1997-10-04	15:07:20	42.93	12.86	10.0	-4.060	2.460	1.600	-3.220	-1.010	-1.580	4.270	17	205	1.440	20	109	-5.710	64	332	4.990	22	322	33	-52	99	64	-112	4.4
R199710041613A	1997-10-04	16:13:33	42.94	12.93	10.0	-1.300	0.710	0.590	-0.220	-0.050	-0.500	1.150	3	221	0.170	7	131	-1.330	82	335	1.240	23	318	42	-80	125	49	-99	4.6
R199710041847A	1997-10-04	18:47:47	42.93	12.90	10.0	-5.190	2.210	2.980	-0.970	-0.270	-2.240	4.890	2	229	0.470	9	139	-5.360	81	334	5.120	22	329	43	-77	131	48	-102	4.4
R199710062324A	1997-10-06	23:24:53	43.02	12.84	10.0	-1.550	0.660	0.890	0.320	-0.140	-1.070	1.880	5	48	-0.290	6	317	-1.600	82	177	1.740	24	145	40	-80	312	51	-98	5.4
R199710070124A	1997-10-07	01:24:33	42.99	12.82	11.6	-1.700	0.930	0.770	0.890	-1.140	-0.990	2.350	20	45	-0.120	5	136	-2.230	70	240	2.290	22	126	26	-102	319	65	-84	4.1
R199710070509A	1997-10-07	05:09:56	43.03	12.85	10.0	-6.720	3.620	3.100	1.300	0.250	-3.140	6.560	3	42	0.360	8	312	-6.920	81	154	6.740	22	141	42	-77	304	49	-101	4.4
R199710121108A	1997-10-12	11:08:36	42.91	12.94	10.0	-7.700	2.330	5.370	-0.040	1.830	-3.270	7.620	6	238	0.350	6	329	-7.970	81	106	7.790	23	321	40	-100	154	51	-82	5.2
R199710122131A	1997-10-12	21:31:07	42.86	12.97	10.0	-1.460	1.390	0.060	-2.470	2.750	-0.640	3.960	34	217	0.110	10	314	-4.070	54	58	4.020	22	271	14	-133	136	80	-80	4.3
R199710131101A	1997-10-13	11:01:46	42.90	13.00	10.0	-3.860	2.400	1.460	-1.400	-0.050	-1.430	3.610	9	214	0.580	10	122	-4.180	77	344	3.890	22	315	37	-73	115	54	-102	4.3
R199710131309A	1997-10-13	13:09:21	42.89	12.92	10.0	-4.000	2.450	1.560	-1.030	1.200	-2.100	4.430	10	220	-0.130	4	310	-4.310	79	60	4.370	22	305	35	-96	133	56	-86	4.3
R199710141523A	1997-10-14	15:23:10	42.93	12.92	10.0	-3.340	2.040	1.290	0.390	-0.810	-1.480	3.290	7	39	0.180	6	130	-3.480	81	261	3.390	24	122	38	-100	314	52	-82	5.6
R199710152253A	1997-10-15	22:53:10	42.93	12.89	10.0	-4.180	2.180	2.000	-1.760	-0.340	-1.920	4.150	8	221	0.590	16	129	-4.730	72	335	4.440	22	329	40	-65	117	55	-110	4.3
R199710160223A	1997-10-16	02:23:37	42.91	12.92	10.0	-1.950	0.890	1.060	-3.290	1.810	-0.110	3.580	34	212	0.930	2	120	-4.500	56	27	4.040	22	310	11	-80	120	79	-92	4.3
R199710160452A	1997-10-16	04:52:55	42.98	12.89	10.0	-1.460	1.110	0.350	0.470	-0.190	-0.510	1.460	10	26	0.090	1	296	-1.550	80	199	1.500	22	118	35	-88	295	55	-92	4.0
R199710161200A	1997-10-16	12:00:31	43.04	12.89	10.0	-0.020	-2.140	2.160	-0.130	0.740	-3.150	3.950	10	242	-0.130	79	43	-3.820	3	152	3.890	22	287	80	175	18	85	10	4.3
R199710161731A	1997-10-16	17:31:43	42.88	12.97	10.0	-2.520	0.960	1.550	0.100	1.820	-1.210	2.890	15	239	0.390	17	333	-3.280	66	109	3.080	22	305	33	-123	163	63	-70	4.2
R199710171422A	1997-10-17	14:22:45	42.89	12.91	10.0	-2.360	1.760	0.600	-0.980	-1.160	-1.210	2.540	3	211	0.590	27	119	-3.130	63	306	2.830	22	326	48	-53	97	54	-124	4.2
R199710191600A	1997-10-19	16:00:16	42.97	12.79	10.0	-2.660	1.210	1.450	-0.180	-0.400	-1.540	2.880	2	47	-0.150	9	138	-2.730	81	306	2.800	22	128	44	-103	326	47	-78	4.2
R199710250308A	1997-10-25	03:08:06	42.84	13.01	10.0	-2.730	1.220	1.520	-2.120	-0.200	-0.980	2.720	16	217	1.000	19	121	-3.720	65	345	3.220	22	333	33	-54	112	64	-111	4.2
R199710310423A	1997-10-31	04:23:42	44.28	6.47	10.0	1.870	-1.460	-0.410	2.300	1.550	0.770	3.760	55	318	-1.120	20	79	-2.640	27	179	3.200	22	308	25	142	73	75	70	4.2
R199711091907A	1997-11-09	19:07:32	42.87	13.00	10.0	-2.230	1.180	1.060	-0.320	-0.480	-1.550	2.670	1	44	-0.270	16	134	-2.400	74	310	2.530	23	118	46	-113	329	48	-68	4.8
R199711301124A	1997-11-30	11:24:42	42.88	12.95	10.0	-3.390	1.170	2.220	-0.030	-1.890	-2.030	4.090	12	55	-0.040	17	149	-4.050	69	292	4.070	22	125	36	-119	339	59	-70	4.3
B199712021922A	1997-12-02	19:22:44	36.02	19.66	33.0	-1.940	-4.320	6.260	7.380	-0.330	-1.340	6.810	17	72	3.840	45	324	10.650	40	176	8.730	23	206	49	-20	309	75	-137	5.2

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
R199712241753A	1997-12-24	17:53:08	44.09	10.55	10.0	-2.860	2.540	0.310	-0.420	-1.510	-2.360	4.070	4	33	-0.310	30	126	-3.750	60	297	3.910	22	95	49	-132	329	56	-53	4.3
R199712311602A	1997-12-31	16:02:15	42.87	12.99	10.0	-2.500	1.230	1.270	0.270	2.420	-1.560	3.290	17	235	0.560	24	333	-3.850	60	112	3.570	22	293	35	-135	164	66	-64	4.3
R199801171232A	1998-01-17	12:32:51	38.40	12.90	10.0	1.880	-1.500	-0.390	-1.250	0.020	-0.550	2.310	71	193	-0.240	9	75	-2.070	17	342	2.190	23	58	29	71	260	62	100	4.8
R199802070059A	1998-02-07	00:59:48	43.00	12.90	10.2	-5.010	2.650	2.350	-0.890	1.500	-2.090	4.890	10	224	0.440	5	315	-5.330	79	70	5.110	22	308	36	-98	138	55	-84	4.4
R199802261209A	1998-02-26	12:09:19	44.67	17.55	10.0	3.830	-4.570	0.740	-4.030	1.960	2.030	5.700	67	217	1.370	6	113	-7.070	22	20	6.390	22	99	23	75	295	67	96	4.4
R199803010722A	1998-03-01	07:22:41	43.36	17.63	10.0	0.920	0.090	-1.000	0.420	-0.620	0.160	1.210	67	37	0.030	14	163	-1.250	18	257	1.230	23	8	30	119	156	64	75	4.6
R199803131515A	1998-03-13	15:15:56	45.59	14.20	10.0	0.460	-2.370	1.920	-1.190	-0.690	1.590	2.900	24	112	0.240	61	256	-3.140	15	15	3.020	22	152	62	173	245	84	28	4.2
R199803132307A	1998-03-13	23:07:29	43.11	18.18	10.0	-0.160	0.840	-0.680	-0.170	-0.190	1.410	1.720	8	149	-0.190	82	353	-1.530	3	239	1.620	22	284	82	3	194	87	172	4.0
R199803211645A	1998-03-21	16:45:09	42.90	12.90	10.0	-2.030	0.830	1.200	1.980	-2.860	-0.910	3.960	30	53	0.100	2	144	-4.060	60	237	4.010	23	137	15	-97	325	75	-88	5.0
R199803261626A	1998-03-26	16:26:13	43.19	12.84	40.0	-2.710	-3.710	6.430	6.140	-4.340	-3.200	10.340	27	65	-0.940	35	315	-9.400	44	183	9.870	23	204	36	-17	308	80	-125	5.2
R199804030726A	1998-04-03	07:26:36	43.16	12.70	10.0	-4.760	1.060	3.700	0.550	-2.970	-2.060	5.630	16	64	0.070	8	156	-5.700	72	273	5.670	23	142	30	-106	341	61	-81	5.1
R199804030759A	1998-04-03	07:59:53	43.23	12.67	10.0	-2.920	0.320	2.610	-0.160	-1.540	-0.860	3.220	13	74	0.140	9	167	-3.360	74	291	3.290	22	152	33	-108	352	59	-79	4.2
R199804051552A	1998-04-05	15:52:20	43.18	12.76	10.0	-1.610	0.590	1.020	0.410	-0.790	-0.800	1.860	14	54	-0.010	4	145	-1.840	75	251	1.850	23	138	31	-98	327	59	-85	4.7
B199804121055A	1998-04-12	10:55:32	46.24	13.65	10.0	0.340	-3.290	2.960	1.450	-0.470	-0.630	3.170	14	81	0.660	66	317	-3.830	19	176	3.500	24	218	67	-4	309	87	-157	5.6
R199805060251A	1998-05-06	02:51:59	46.24	13.71	10.0	2.310	-3.170	0.860	0.730	-2.070	0.430	3.790	55	85	-0.390	33	288	-3.400	11	191	3.600	22	247	44	40	127	64	127	4.3
R199805161055A	1998-05-16	10:55:12	43.57	18.23	10.0	-1.170	2.780	-1.610	0.650	1.420	3.180	4.710	12	331	-1.040	64	214	-3.670	22	66	4.190	22	107	65	-8	200	83	-155	4.3
B199805181719A	1998-05-18	17:19:04	39.25	15.11	279.9	0.110	-0.420	0.310	-0.810	-1.170	0.000	1.550	44	114	-0.170	14	218	-1.380	42	321	1.470	24	124	14	176	217	89	76	5.3
R199806022311A	1998-06-02	23:11:22	43.17	12.73	10.0	-2.520	0.360	2.160	0.660	1.150	-1.360	2.990	8	244	0.080	22	338	-3.070	67	136	3.030	22	311	42	-124	173	56	-63	4.2
R199806200225A	1998-06-20	02:25:47	38.46	13.08	10.0	5.230	-4.400	-0.840	-5.200	-0.210	-1.030	7.520	66	184	-0.670	5	82	-6.850	23	349	7.180	23	69	22	76	264	68	96	5.1
R199806210859A	1998-06-21	08:59:47	38.50	13.10	10.0	1.080	-0.970	-0.110	-0.390	0.090	-0.220	1.170	78	208	-0.080	8	80	-1.080	10	348	1.120	23	69	36	77	265	55	99	4.6
R199806211259A	1998-06-21	12:59:04	38.43	12.67	10.0	1.150	-0.960	-0.190	-0.240	-0.230	-0.130	1.210	79	123	-0.190	8	258	-1.020	7	349	1.110	23	88	38	102	252	53	80	4.6
R199806250032A	1998-06-25	00:32:53	43.00	12.80	10.0	-9.730	8.640	1.100	-1.220	-4.150	-5.450	1.153	2	28	0.006	23	120	-1.159	67	293	1.156	22	96	47	-123	319	52	-60	3.9
R199808150518A	1998-08-15	05:18:08	42.41	12.98	10.0	-3.810	3.250	0.560	-3.570	-1.930	-0.760	4.740	23	179	1.220	16	82	-5.960	62	320	5.350	22	298	26	-52	76	70	-107	4.4
R199808310231A	1998-08-31	02:31:04	45.95	14.78	10.0	0.950	-1.980	1.030	0.600	1.800	2.640	3.790	33	298	-0.230	56	130	-3.560	6	32	3.670	22	80	63	21	340	71	151	4.3
B199809091127A	1998-09-09	11:27:59	40.03	15.98	10.0	-2.420	1.260	1.150	1.360	-1.090	-1.870	3.580	16	44	-0.650	4	313	-2.930	73	210	3.260	24	139	29	-83	311	61	-94	5.6
R199809140524A	1998-09-14	05:24:47	38.46	13.60	10.0	3.370	-3.360	-0.020	-2.030	-0.080	-0.780	3.940	74	187	0.130	5	80	-4.070	15	349	4.010	23	72	30	80	263	60	96	5.0
R199901252245A	1999-01-25	22:45:57	44.02	11.92	33.0	0.960	-0.790	-0.170	0.860	1.670	3.760	4.290	29	311	0.020	61	145	-4.310	6	44	4.300	22	91	66	17	354	75	155	4.3
R199902141145A	1999-02-14	11:45:54	38.17	15.06	33.0	-1.170	0.260	0.910	0.350	0.120	0.520	1.230	7	300	0.020	11	32	-1.250	77	179	1.240	23	18	39	-108	220	53	-76	4.6
R199907071716A	1999-07-07	17:16:10	44.29	10.90	10.0	-0.860	1.020	-0.170	-0.600	-0.400	-0.400	1.260	13	192	0.000	27	95	-1.260	59	305	1.260	23	314	40	-44	80	64	-121	4.6
R199909141547A	1999-09-14	15:47:24	39.83	15.20	296.0	-5.840	1.500	4.350	-5.550	-8.360	-6.190	1.028	18	64	0.421	36	167	-1.449	49	313	1.239	23	114	42	-151	1	71	-52	4.6
R199910101535A	1999-10-10	15:35:51	42.67	13.19	10.0	-1.900	0.670	1.230	-1.080	-0.650	-1.570	2.550	3	229	0.110	31	137	-2.670	58	324	2.610	22	348	50	-47	112	55	-129	4.2
R199910230206A	1999-10-23	02:06:00	38.84	14.65	302.0	-2.450	1.050	1.400	-1.320	-0.570	0.700	2.310	16	134	0.610	9	227	-2.920	72	346	2.620	23	211	30	-108	52	61	-80	4.8
R199910300708A	1999-10-30	07:08:09	37.76	19.98	5.0	-0.120	0.250	-0.130	0.500	-1.740	-0.170	1.770	44	66	0.130	8	163	-1.890	45	261	1.830	23	80	8	-173	343	89	-82	4.7
R199911240337A	1999-11-24	03:37:54	39.61	20.59	15.0	0.140	-0.120	-0.030	1.370	-1.080	0.460	1.590	50	35	0.390	2	128	-1.980	39	220	1.780	23	331	6	113	128	85	88	4.7
R199911280059A	1999-11-28	00:59:47	41.55	19.38	54.0	1.750	-0.800	-0.950	0.860	-0.950	0.490	2.200	70	47	-0.380	0	139	-1.830	20	229	2.020	23	320	25	91	138	65	90	4.8
R199912292042A	1999-12-29	20:42:36	46.60	10.31	10.0	-1.800	0.640	1.150	0.110	0.220	-0.610	1.570	2	237	0.260	6	327	-1.820	84	126	1.690	23	320	43	-99	152	47	-82	4.7
R199912301834A	1999-12-30	18:34:37	38.29	11.85	10.0	1.650	-1.010	-0.640	-0.640	-0.230	-0.540	1.800	77	168	-0.270	5	57	-1.530	12	326	1.670	23	50	33	82	240	57	95	4.7
R199912310455A	1999-12-31	04:55:55	46.60	10.32	10.0	-1.350	-0.160	1.510	-1.110	0.700	-0.290	1.840	18	252	0.240	23	154	-2.080	60	15	1.960	22	13	34	-45	143	67	-116	4.1
R200003111035A	2000-03-11	10:35:26	41.97	13.01	16.7	-0.010	-0.200	0.210	1.200	0.310	-0.010	1.160	47	340	0.190	4	75	-1.340	43	169	1.250	23	321	5	157	75	88	86	4.6
R200003300931A	2000-03-30	09:31:31	39.50	15.40	300.0	1.550	-2.780	1.230	1.080	1.940	-1.020	3.340	48	272	0.180	36	56	-3.520	18	160	3.430	23	292	42	153	43	72	51	4.9
R200004011808A	2000-04-01	18:08:04	42.89	11.74	10.0	-5.650	7.070	-1.410	-3.760	-1.890	-2.280	8.400	13	190	-0.750	24	94	-7.650	62	307	8.030	22	309	38	-49	81	63	-117	4.5
R200004061740A	2000-04-06	17:40:38	46.60	10.33	5.0	-1.300	0.190	1.110	-0.520	-0.130	-0.340	1.230	1	251	0.250	19	161	-1.480	71	344	1.350	22	359	47	-64	144	49	-115	4.0
R200004261337A	2000-04-26	13:37:48	40.98	10.10	10.0	2.090	-0.210	-1.880	0.220	0.410	-0.110	2.150	82	311	-0.220	4	185	-1.930	6	94	2.040	23	179	39	83	8	51	96	4.8
R200004262225A	2000-04-26	22:25:07	43.56	19.70	33.0	0.050	-0.240	0.190	-2.510	-0.680	1.640	3.290	37	144	-0.470	32	262	-2.820	36	20	3.060	22	172	32	180	262	90	58	4.2
R200004281741A	2000-04-28	17:41:02	37.83	19.70	33.0	1.220	4.470	-5.700	-0.290	-3.300	1.400	4.860	15	168	2.280	63	45	-7.140	21	264	6.000	22	305	64	-4	37	86	-154	4.4
R200005020848A	2000-05-02	08:48:47	44.24	12.02	10.0	2.510	-1.440	-1.070	0.100	-0.450	1.040	2.570	83	94	-0.230	6	311	-2.340	4	221	2.450	22	304	41	81	136	50	98	4.2
R200005052042A	2000-05-05	20:42:01	44.01	13.19	10.0	1.150	-0.970	-0.180	-0.320	0.610	0.380	1.400	69	258	-0.150	15	120	-1.240	13	27	1.320	22	97	35	62	310	60	108	4.0
R200005062205A	2000-05-06	22:05:00	44.14	11.97	10.0	1.760	-1.270	-0.490	0.460	-0.980	0.720	2.130	70	81	-0.210	14	309	-1.930	14	216	2.030	22	287	33	64	137	61	106	4.1
R200005081230A	2000-05-08	12:30:00	44.30	11.90	10.0	1.060	-0.320	-0.740	0.180	-0.440	0.390	1.160	77	73	-0.090	3	331	-1.070	12	240	1.120	23	326	33	85	152	57	93	4.6
R200005091751A	2000-05-09	17:51:19	44.20	12.00	10.0	2.650	-1.840	-0.810	1.260	-0.660	1.320	3.000	76	21	0.090	3	123	-3.090	14	214	3.050	22	308	31	96	121	59	87	4.2
R200005101652A	2000-05-10	16:52:09	44.30	11.90	10.0	2.200	-1.520	-0.680	0.230	0.060	1.080	2.220	85	326	0.040	5	124	-2.260	2	214	2.240	23	309	43	97	120	47	84	4.8
R200005111157A	2000-05-11	11:57:15	44.34	11.91	10.0	2.230	-2.220	-0.010	0.350	0.770	0.630	2.530	71	290	-0.140	19	103	-2.390	2	194	2.460	22	303	46	117	86	50	64	4.2
R200005121126A	2000-05-12	11:26:38	44.35	11.95	10.0	4.390	-4.060	-0.330	0.250	-0.330	1.070	4.420	86	72	-0.060	3	285	-4.360	2	195	4.390	22	282	43	85	108	47	94	4.3
R200006180742A	2000-06-18	07:42:02	44.76	10.73	5.0	-1.410	-3.460	4.870	1.680	0.690	-1.650	5.210	3	260	-0.470	61	356	-4.730	28	168	4.970	22	308	68	-161	210	73	-23	4.4
R200006221216A	2000-06-22	12:16:31	43.30	12.48	10.0	-0.090	-0.240	0.330	5.520	-6.890	0.230	8.730	45	53	0.210	2	321	-8.940	45	229	8.830	22	233	2	1	141	90	92	4.5
R200006270407A	2000-06-27	04:07:56	40.95	10.03	10.0	2.970	0.010	-2.980	0.630	2.220	-0.470	3.760	71	292	0.070	3	191	-3.830	19	100	3.800	22	184	27	82	13	64	94	4.3
R200006270732A	2000-06-27	07:32:31	41.97	13.02	22.0	0.780	-1.680	0.900	5.600	1.780	0.290	5.800	49	332	0.500	9	73	-6.300	39	171	6.050	22	315	11	153	72	85	81	4.4
R200008010234A	2000-08-01	02:34:29	43.98	12.34	10.0	1.910	-1.850	-0.060	2.710	0.000	-1.520	3.480	58	23	0.290	20	257	-3.770	24	158	3.630	22	212	28	42	84	72	112	4.3
R200008211714A	2000-08-21	17:14:27	44.87	8.48	10.0	-1.910	1.020	0.880	0.630	-0.150	-1.450	2.470	7	43	-0.430	12	311	-2.050	76	164	2.260	23	146	39	-71	302	53	-105	4.8
R200009020516A	2000-09-02	05:16:59	43.26	12.99	33.0	5.110	-0.940	-4.180	0.140	-1.170	2.630	5.270	82	104	0.490	5	332	-5.760	6	241	5.510	22	325	40	82	156	51	97	4.4
R200010030112A	2000-10-03	01:12:34	44.27	10.80	10.0	-2.030	0.610	1.420	-0.760	1.800	-1.060	2.910	21	238	-0.080	6	331	-2.830	68	76	2.870	22	317	24	-105	153	67	-83	4.2
R200010082143A	2000-10-08	21:43:48	43.51	17.79	10.0	-1.330	1.560	-0.220	-0.740	-0.040	2.380	3.300	8	146	-1.200	59	249	-2.100	29	51	2.700	22	193	64	-164	95	75	-27	4.2
R200011090300A	2000-11-09	03:00:03	44.22	15.98	35.0	3.260	-3.920	0.670	0.760	0.070	0.220	3.340	84	342	0.670	2	92	-4.010	6	183	3.670	22	275	39	93	91	51	87	4.3
R200012160731A	2000-12-16	07:31:08	42.65	12.66	10.0	-2.720	2.200	0.510	-0.890	-0.620	0.120	2.390	11	173	0.580	8	81	-2.970	76	314	2.680	22	273	35	-76	76	56	-100	4.2
R200102251834A	2001-02-25	18:34:42	43.46	7.47	8.0	5.100	-5.300	0.200	2.850	-0.650	-2.590	6.130	69	39	0.700	17	255	-6.830	12	161	6.480	22	229	37	60	85	59	111	4.4
R200104170042A	2001-04-17	00:42:36	40.64	19.47	10.0	2.380	0.220	-2.600	0.190	-0.110	1.300	2.390	85	0	0.720	5	158	-3.120	2	249	2.760	22	343	43	97	154	47	84	4.2
R200104221356A	2001-04-22	13:56:35	37.72	15.10	10.0	0.870	1.210	-2.080	-1.520	-0.510	0.470	2.670	41	169	-0.490	48	3	-2.180	7	265	2.430	22	316	56	27	210	68	143	4.1
R200105171144A	2001-05-17	11:44:58	39.02	15.47	240.0	-1.210	-0.520	1.730	-3.390	-3.760	0.320	5.240	37	120	0.120	12	219	-5.360	50	323	5.300	23	159	13	-151	40	84	-78	5.0
R200105260602A	2001-05-26	06:02:20	37.46	16.34	33.0	5.350	-1.920	-3.430	2.140	-2.040	-5.640	7.360	56	42	1.010	34	221	-8.370	1	311	7.860	22	71	54	134	192	55	46	4.5
R200107021004A	2001-07-02	10:04:43	41.75	15.36	10.0	-0.510	2.170	-1.660	-4.880	5.310	-2.440	8.630	38	216	-1.880	18	321	-6.750	47	72	7.690	22	246	19	-166	143	85	-72	4.5
R200107171506A	2001-07-17	15:06:15	46.74	11.37	10.0	0.160	-1.720	1.560	0.460	-0.500	-1.070	2.070	18	72	0.000	70	278	-2.080	8	165	2.080	23	210	72	7	117	83	162	4.8
R200107182247A	2001-07-18	22:47:10	44.84	8.40	10.0	0.170	-0.240	0.070	-0.360	-1.310	-1.530	1.860	29	58	0.350	49	186	-2.210	27	312	2.040	22	95	49	179	185	89	41	4.1
R200108121422A	2001-08-12	14:22:25	35.92	9.81	33.0	6.090	0.190	-6.280	3.530	-5.570	0.680	9.270	64	43	-0.440	13	161	-8.840	23	256	9.050	22	10	25	122	156	69	76	4.5
R200110181102A	2001-10-18	11:02:44	39.10	16.61	10.0	-3.190	0.650	2.530	-0.130	0.050	-1.550	3.410	1	241	-0.220	2	151	-3.190	88	358	3.300	22	332	44	-88	149	46	-92	4.2
R200110181808A	2001-10-18	18:08:40	38.55	15.05	200.0	-4.530	4.910	-0.380	-1.250	2.230	6.930	9.690	1	325	-2.280	48	234	-7.410	42	56	8.550	22	92	61	-31	199	63	-147	4.5
R200111070940A	2001-11-07	09:40:45	41.30	10.20	10.0	5.340	-0.920	-4.420	0.160	-3.370	1.370	6.400	72	97	-0.550	6	346	-5.840	16	254	6.120	22	334	29	77	169	62	97	4.4
R200111251934A	2001-11-25	19:34:19	37.91	13.96	20.0	-1.190	0.870	0.330	0.920	0.130	-0.500	1.390	17	23	0.210	16	288	-1.590	66	157	1.490	23	137	31	-57	280	64	-108	4.7
R200111260056A	2001-11-26	00:56:55	43.60	12.10	10.0	-8.250	-0.560	8.800	-4.300	9.770	-2.220	1.420	25	254	-0.080	6	161	-1.340	64	58	1.380	23	358	21	-72	158	70	-97	4.7
R200201310848A	2002-01-31	08:48:38	35.31	6.36	33.0	2.670	-1.430	-1.240	0.510	-0.960	-3.450	3.480	53	49	1.320	37	224	-4.800	2	315	4.140	22	78	54	139	195	58	44	4.3
R200202140318A	2002-02-14	03:18:01	46.37	13.17	10.0	-0.120	-0.470	0.590	1.120	0.790	0.160	1.450	39	303	0.060	22	52	-1.510	43	164	1.480	23	328	22	-174	233	88	-68	4.7
R200202211436A	2002-02-21	14:36:11	43.76	12.05	7.0	-1.940	0.990	0.940	-0.540	0.290	-0.270	1.350	10	220	0.710	3	129	-2.050	79	26	1.700	22	313	35	-86	128	55	-93	4.0
R200204050452A	2002-04-05	04:52:23	38.48	14.74	10.0	5.470	-5.350	-0.120	-0.830	-1.420	-1.150	5.830	77	102	-0.130	12	256	-5.700	6	347	5.770	22	90	41	108	246	52	75	4.4
R200204080120A	2002-04-08	01:20:47	42.43	19.77	10.0	-3.760	0.780	2.980	0.940	2.370	-1.350	4.060	14	251	0.760	18	346	-4.820	67	126	4.440	22	318	35	-123	176	61	-69	4.3
R200204102115A	2002-04-10	21:15:11	42.39	19.79	6.0	-0.660	0.330	0.340	-0.210	-1.080	-1.040	1.580	18	52	0.080	39	158	-1.660	46	303	1.620	22	100	44	-156	352	73	-49	4.0
R200204170642A	2002-04-17	06:42:54	39.70	16.84	5.0	-0.270	1.560	-1.290	0.820	1.760	0.360	2.220	30	337	0.400	38	221	-2.630	38	94	2.430	23	121	38	-7	217	85	-128	4.8
R200204182056A	2002-04-18	20:56:47	40.69	15.58	10.0	-3.450	1.730	1.720	-1.780	-1.400	-2.160	3.890	3	224	0.760	28	132	-4.660	62	318	4.280	22	340	49	-52	109	54	-126	4.3
R200205281945A	2002-05-28	19:45:11	42.41	19.82	10.0	-4.500	1.470	3.040	2.690	-1.620	-1.250	4.610	18	54	1.070	10	320	-5.670	69	201	5.140	22	160	29	-68	315	63	-102	4.4
R200206082013A	2002-06-08	20:13:11	44.34	10.64	10.0	2.300	-2.400	0.100	0.440	0.680	0.650	2.570	71	293	0.010	18	102	-2.580	3	193	2.570	22	301	45	116	86	51	66	4.2
R200206182223A	2002-06-18	22:23:37	44.44	10.80	33.0	3.760	-3.430	-0.330	0.410	0.560	0.830	3.870	81	297	-0.230	9	103	-3.650	2	194	3.760	22	293	44	103	95	48	78	4.3
R200206240120A	2002-06-24	01:20:36	35.85	9.89	10.0	4.970	-0.570	-4.400	0.370	2.990	0.130	5.870	73	282	-0.590	3	181	-5.270	16	90	5.570	23	174	29	83	3	61	94	5.1
B200209060121A	2002-09-06	01:21:28	38.38	13.70	5.0	6.150	-5.730	-0.420	-3.620	2.760	-6.160	9.440	53	231	0.490	36	63	-9.930	6	329	9.690	24	26	50	40	267	60	133	5.9
R200209060145A	2002-09-06	01:45:30	38.44	13.73	4.0	1.160	-0.670	-0.490	-0.390	0.580	-0.680	1.500	64	232	-0.230	26	46	-1.270	2	137	1.390	23	252	48	126	24	53	56	4.7
R200209090606A	2002-09-09	06:06:37	37.63	19.98	33.0	-0.870	1.670	-0.800	2.210	-1.460	4.090	4.870	10	326	0.400	58	73	-5.270	30	230	5.070	22	12	61	-165	275	77	-29	4.4
R200209100232A	2002-09-10	02:32:51	38.47	13.70	5.0	3.920	-2.570	-1.350	-1.050	-3.480	-1.990	5.650	64	91	-0.560	17	219	-5.090	20	315	5.370	22	71	29	126	211	67	72	4.4
R200209202306A	2002-09-20	23:06:03	38.46	13.74	5.0	1.360	-0.910	-0.460	-0.630	-0.210	-0.720	1.530	76	177	0.050	7	57	-1.570	12	325	1.550	23	46	33	77	241	58	99	4.7
R200209270610A	2002-09-27	06:10:44	38.44	13.69	5.0	5.260	-3.390	-1.860	-1.790	0.260	-2.540	5.690	76	206	-0.250	12	57	-5.440	7	325	5.570	23	41	39	70	246	53	105	5.1
R200209280246A	2002-09-28	02:46:46	38.47	13.71	5.0	9.600	-7.790	-1.810	-1.490	-2.190	-2.340	10.070	80	109	-1.230	8	249	-8.850	7	340	9.460	22	79	39	103	243	52	80	4.5
R200210231101A	2002-10-23	11:01:28	42.61	17.16	16.0	2.940	-2.520	-0.420	-0.030	0.820	1.430	3.150	75	283	0.130	14	119	-3.270	4	28	3.210	22	103	43	69	311	50	108	4.2
R200210270250A	2002-10-27	02:50:26	37.79	15.16	10.0	0.340	-2.220	1.880	0.800	0.930	0.550	2.470	27	282	0.000	59	68	-2.460	15	184	2.470	23	320	60	171	55	82	30	4.8
R200210270732A	2002-10-27	07:32:08	37.92	15.18	10.0	2.570	-5.870	3.300	-1.460	3.080	3.330	6.250	37	280	1.270	50	128	-7.530	14	21	6.890	22	67	54	19	326	75	142	4.5

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
R200210291002A	2002-10-29	10:02:21	37.67	15.27	10.0	-0.100	-1.320	1.420	0.670	0.410	-0.040	1.540	15	273	0.100	61	32	-1.630	25	176	1.580	23	316	61	-173	223	84	-29	4.7
R200210291639A	2002-10-29	16:39:47	37.69	15.56	10.0	-1.140	-1.340	2.480	1.740	-0.200	-0.570	2.630	8	78	0.370	46	339	-3.000	43	176	2.820	22	207	54	-28	314	68	-141	4.2
B200210311032A	2002-10-31	10:32:58	41.79	14.87	10.0	0.470	-0.020	-0.450	0.820	-0.730	-4.460	4.530	15	44	0.180	75	225	-4.710	0	134	4.620	24	180	79	11	88	80	169	5.7
B200211011509A	2002-11-01	15:09:00	41.73	14.88	10.0	0.140	1.000	-1.140	1.820	0.850	-3.980	4.290	14	34	0.550	65	272	-4.840	20	130	4.560	24	171	66	-5	263	86	-156	5.7
R200211011721A	2002-11-01	17:21:31	41.87	14.83	10.0	-1.050	2.900	-1.850	0.910	4.390	-5.030	6.500	15	218	1.240	53	328	-7.740	33	118	7.120	22	263	56	-166	165	78	-35	4.5
R200211120927A	2002-11-12	09:27:47	41.66	14.77	10.0	1.020	5.300	-6.320	1.800	-1.210	-8.400	1.021	13	28	0.052	77	203	-1.073	1	298	1.047	23	72	80	171	163	82	10	4.6
R200212090935A	2002-12-09	09:35:04	37.87	19.97	10.0	-0.010	0.240	-0.230	0.610	-1.020	-0.340	1.330	41	45	-0.160	18	152	-1.170	44	260	1.250	23	67	18	-175	332	88	-72	4.6
R200301261957A	2003-01-26	19:57:03	43.88	11.96	6.0	-1.180	0.270	0.920	-0.030	-0.230	-0.650	1.330	4	59	-0.120	8	149	-1.220	81	300	1.270	23	140	41	-101	336	50	-80	4.6
R200301262015A	2003-01-26	20:15:03	43.88	11.95	7.0	-6.420	3.790	2.630	0.930	5.030	-2.970	6.830	13	229	2.170	23	325	-9.000	63	111	7.920	22	291	37	-130	158	62	-64	4.5
R200303271610A	2003-03-27	16:10:36	43.15	15.34	10.0	2.130	-1.970	-0.160	-0.940	-1.040	0.810	2.820	63	122	-0.470	25	283	-2.350	8	17	2.580	23	133	44	128	266	57	59	4.8
R200303291742A	2003-03-29	17:42:15	43.11	15.46	10.0	2.330	-1.880	-0.450	0.250	-0.260	0.600	2.360	84	60	-0.240	3	291	-2.120	4	200	2.240	24	287	41	85	114	49	95	5.5
R200303300056A	2003-03-30	00:56:24	43.17	15.43	10.0	2.610	-2.060	-0.550	-0.410	-0.410	0.070	2.700	81	125	-0.610	7	271	-2.090	5	1	2.400	22	99	41	101	264	50	80	4.1
R200303301109A	2003-03-30	11:09:59	43.17	15.53	10.0	1.000	-0.920	-0.080	-0.050	0.100	0.190	1.010	85	258	-0.050	4	102	-0.960	2	12	0.990	23	98	43	83	287	47	96	4.6
R200303311936A	2003-03-31	19:36:29	43.13	15.47	10.0	6.290	-5.540	-0.750	0.650	0.370	1.410	6.360	85	314	-0.410	4	105	-5.950	2	195	6.150	22	290	43	97	101	48	84	4.4
R200304032230A	2003-04-03	22:30:11	43.15	15.43	10.0	2.660	-2.290	-0.380	-2.230	-1.010	0.150	3.760	66	146	-0.600	11	261	-3.160	22	355	3.460	22	105	25	116	256	67	78	4.3
R200304110926A	2003-04-11	09:26:58	44.79	8.89	4.0	-0.120	-1.480	1.600	0.780	0.300	-1.290	2.070	0	250	0.200	69	341	-2.270	21	160	2.170	23	297	75	-165	203	75	-16	4.8
R200304260820A	2003-04-26	08:20:43	43.16	15.26	10.0	5.110	-4.750	-0.360	-0.370	-1.860	0.880	5.710	72	101	-0.800	18	281	-4.920	0	11	5.320	22	118	48	114	264	48	66	4.4
R200304291513A	2003-04-29	15:13:06	43.25	15.57	10.0	3.380	-2.450	-0.920	-1.440	2.240	2.930	4.330	68	265	1.100	15	134	-5.440	16	40	4.890	22	109	32	61	322	63	107	4.4
R200305050616A	2003-05-05	06:16:38	43.22	15.51	10.0	1.180	-0.560	-0.620	0.720	0.970	1.140	2.100	52	312	-0.360	37	142	-1.750	5	48	1.930	22	105	52	40	348	60	134	4.1
R200305100642A	2003-05-10	06:42:49	43.91	16.98	10.0	-0.290	-5.070	5.350	-0.990	-1.170	1.510	5.840	12	99	-0.430	75	240	-5.420	9	7	5.630	22	143	75	178	233	88	15	4.4
R200306011545A	2003-06-01	15:45:18	41.66	14.82	12.0	-1.540	3.110	-1.570	1.520	1.000	-5.670	6.960	5	33	-0.960	69	291	-6.000	21	125	6.480	22	167	72	-12	261	79	-162	4.4
R200306160827A	2003-06-16	08:27:51	37.69	19.73	10.0	6.820	2.420	-9.240	-2.790	-7.520	2.430	1.119	59	136	0.113	22	4	-1.232	21	265	1.176	23	321	31	43	192	69	114	4.6
R200306210900A	2003-06-21	09:00:20	43.07	15.31	10.0	4.420	-4.400	-0.020	1.360	-1.570	-0.370	5.130	71	64	-0.520	17	271	-4.610	8	178	4.870	22	249	40	62	103	56	111	4.4
R200307071508A	2003-07-07	15:08:12	36.01	14.90	10.0	0.140	1.140	-1.280	-1.650	-0.110	-2.870	3.580	22	210	-0.090	62	71	-3.490	17	307	3.530	22	350	62	4	258	87	152	4.3
R200307211315A	2003-07-21	13:15:57	47.16	14.33	10.0	1.270	-1.500	0.220	-0.530	0.930	0.720	1.820	60	266	0.160	25	121	-1.970	15	24	1.900	22	84	37	46	314	64	118	4.1
R200308021018A	2003-08-02	10:18:38	43.01	17.70	10.0	0.420	-0.310	-0.110	1.390	-0.530	0.280	1.530	53	16	0.060	5	112	-1.590	36	206	1.560	23	323	10	121	111	82	85	4.7
R200309142142A	2003-09-14	21:42:53	44.24	11.42	20.0	8.770	-9.570	0.800	2.430	-1.730	-1.880	9.540	75	57	0.600	14	263	10.140	6	171	9.840	23	246	40	68	94	53	107	5.2
R200309201150A	2003-09-20	11:50:49	36.79	7.24	10.0	-2.410	-3.550	5.950	-2.690	-2.410	-0.650	6.600	15	90	-0.520	45	196	-6.080	41	347	6.340	22	137	50	-159	33	74	-42	4.4
R200312071020A	2003-12-07	10:20:33	44.16	12.18	9.0	2.480	-1.830	-0.650	-0.200	-0.660	0.810	2.640	77	111	-0.390	13	298	-2.250	2	208	2.440	22	284	45	71	130	48	108	4.1
R200312300531A	2003-12-30	05:31:38	41.64	14.85	5.0	-0.490	-1.950	2.440	5.180	0.210	-6.130	7.880	22	48	0.840	52	287	-8.730	29	151	8.300	22	187	53	-6	281	85	-142	4.5
R200403231238A	2004-03-23	12:38:30	43.29	19.73	3.0	0.820	-0.640	-0.180	0.480	1.450	2.790	3.220	31	309	0.100	58	150	-3.310	9	45	3.260	22	91	61	16	354	76	150	4.2
R200405051339A	2004-05-05	13:39:43	38.51	14.81	228.0	-0.770	0.190	0.580	-1.520	0.020	0.750	1.650	27	145	0.310	26	250	-1.970	51	17	1.810	24	190	30	-153	77	77	-63	5.4
R200405231519A	2004-05-23	15:19:08	43.41	17.45	10.0	2.890	-2.860	-0.030	0.190	-0.090	0.820	2.900	88	34	0.190	1	285	-3.090	2	195	2.990	23	284	43	89	106	47	91	4.9
R200407121304A	2004-07-12	13:04:05	46.34	13.63	10.0	4.490	-8.030	3.540	-0.330	-1.570	-0.850	5.660	53	88	2.450	37	264	-8.110	2	356	6.880	23	117	54	138	235	57	45	5.1
R200409141809A	2004-09-14	18:09:26	45.33	14.58	10.0	1.890	-1.620	-0.270	0.080	1.510	0.950	2.730	61	284	-0.510	27	129	-2.230	11	33	2.480	22	94	42	47	325	61	121	4.2
R200411242259A	2004-11-24	22:59:40	45.63	10.56	17.0	3.270	-2.250	-1.020	2.220	1.680	-1.870	4.260	70	322	0.330	1	54	-4.590	20	144	4.420	23	235	25	92	53	65	89	5.0
R200411250621A	2004-11-25	06:21:19	43.17	15.36	21.0	1.070	-0.930	-0.140	-0.170	-0.080	0.240	1.100	83	140	-0.090	6	285	-1.010	4	15	1.050	24	111	41	99	280	49	82	5.2
R200412180912A	2004-12-18	09:12:48	40.89	10.15	10.0	0.790	0.310	-1.100	0.310	0.140	0.260	0.970	62	346	0.180	28	172	-1.150	2	80	1.060	23	144	49	51	15	54	126	4.6
R200412030813A	2004-12-03	08:13:14	43.09	15.50	10.0	9.470	-7.620	-1.850	-5.520	-3.670	2.290	1.233	66	135	-0.289	19	275	-0.945	14	10	1.089	23	124	35	124	265	62	69	4.6
B200501310105A	2005-01-31	01:05:31	37.53	20.16	31.9	1.950	-0.310	-1.640	2.940	-2.830	1.290	4.470	58	34	0.330	8	137	-4.800	31	232	4.640	24	346	16	120	135	76	82	5.7
S200502072005A	2005-02-07	20:05:37	36.10	10.91	10.0	1.670	-0.690	-0.970	0.090	-0.750	-1.620	2.000	64	55	0.520	25	218	-2.520	7	311	2.260	23	67	44	128	200	57	60	4.8
S200502072046A	2005-02-07	20:46:26	36.22	10.87	10.0	4.180	-1.200	-2.980	1.370	-2.080	-1.780	5.250	66	47	-1.020	22	204	-4.230	8	297	4.740	23	51	41	124	189	57	64	5.0
S200502121213A	2005-02-12	12:13:45	39.92	19.70	0.0	2.160	-0.460	-1.690	1.420	-0.100	-0.870	2.830	65	13	-0.580	24	217	-2.230	9	123	2.530	22	187	42	53	52	58	118	4.2
S200503111105A	2005-03-11	11:05:23	42.39	19.91	10.0	-2.270	0.940	1.330	-0.120	-1.100	-1.130	2.410	10	53	0.220	16	146	-2.630	71	293	2.520	22	124	38	-117	337	57	-71	4.2
S200504181059A	2005-04-18	10:59:18	44.71	9.35	0.0	-0.780	0.560	0.220	-1.030	-0.170	-0.670	1.360	21	208	0.110	27	106	-1.470	55	331	1.420	22	336	34	-35	96	71	-118	4.0
S200505192319A	2005-05-19	23:19:56	42.72	18.95	22.0	-0.140	1.030	-0.890	4.260	-3.490	-0.440	5.860	42	32	-0.540	9	130	-5.320	46	229	5.590	22	53	9	-167	310	88	-81	4.4
S200507032344A	2005-07-03	23:44:42	42.68	17.37	5.0	1.420	-0.220	-1.200	0.580	-1.180	0.640	1.920	69	64	0.090	0	334	-2.020	21	244	1.970	22	334	24	90	154	66	90	4.1
B200507101310A	2005-07-10	13:10:12	42.39	19.81	4.4	-6.560	0.770	5.790	-1.220	-0.610	-2.210	6.630	1	69	0.210	11	160	-6.830	79	336	6.730	23	148	45	-106	350	47	-74	5.1
C200507260332A	2005-07-26	03:32:15	40.00	12.71	502.0	-0.040	0.830	-0.800	-0.290	0.180	0.610	1.080	12	163	-0.010	71	290	-1.070	15	70	1.070	23	207	71	-178	116	88	-19	4.6
S200508221202A	2005-08-22	12:02:08	41.47	12.53	10.0	0.200	-1.090	0.890	0.850	0.110	1.210	1.630	20	300	0.290	62	72	-1.920	19	203	1.770	23	341	62	180	71	90	28	4.7
S200509081127A	2005-09-08	11:27:17	46.00	6.90	7.0	-1.000	6.390	-5.390	-1.560	-3.680	-1.220	6.730	10	183	0.990	58	76	-7.720	30	279	7.220	22	317	61	-15	54	77	-151	4.5
S200509130441A	2005-09-13	04:41:16	38.18	20.25	14.0	-3.810	4.320	-0.520	2.230	-1.660	-1.920	5.730	16	21	-1.010	12	115	-4.730	70	240	5.230	22	94	31	-113	301	62	-77	4.4
S200509160808A	2005-09-16	08:08:47	38.10	20.25	10.0	-0.030	0.770	-0.740	0.280	-0.120	0.570	1.010	13	343	-0.040	72	117	-0.970	12	250	0.990	23	26	72	180	116	90	18	4.6
S200509192217A	2005-09-19	22:17:16	38.04	20.24	15.0	-1.770	1.830	-0.060	0.730	-0.540	0.220	1.980	10	356	0.100	16	90	-2.070	71	235	2.030	23	67	37	-117	280	57	-71	4.8
S200509270025A	2005-09-27	00:25:35	43.15	18.20	19.0	2.720	-2.740	0.030	-2.220	-0.480	2.980	4.160	54	137	0.840	34	291	-5.000	12	30	4.580	23	155	44	143	273	65	52	5.0
S200511211057A	2005-11-21	10:57:41	37.61	14.16	61.0	1.670	-4.190	2.510	-0.600	-1.540	-7.790	7.790	9	57	1.680	79	199	-9.480	7	326	8.640	22	102	79	179	192	89	11	4.5
S200601281926A	2006-01-28	19:26:05	43.41	17.46	10.0	2.050	-1.790	-0.260	-0.470	0.330	-0.030	2.150	80	229	-0.300	8	91	-1.850	7	0	2.000	22	81	39	78	277	52	100	4.1
S200602270434A	2006-02-27	04:34:01	38.15	15.20	9.0	-3.750	0.920	2.820	1.540	2.710	1.070	4.480	21	296	0.450	2	27	-4.940	69	122	4.710	22	22	24	-95	208	66	-88	4.3
S200604101903A	2006-04-10	19:03:36	43.40	13.49	33.0	-0.190	0.230	-0.040	-0.200	-0.480	-1.370	1.490	6	43	-0.020	68	149	-1.470	21	311	1.480	22	89	71	-169	355	80	-20	4.0
S200604162115A	2006-04-16	21:15:01	44.02	11.81	10.0	5.230	-4.870	-0.360	2.180	-0.940	2.610	5.710	79	21	0.830	1	114	-6.540	11	205	6.130	22	295	34	91	114	56	89	4.4
C200604170244A	2006-04-17	02:44:05	39.57	17.14	10.0	0.260	1.450	-1.710	-0.150	0.100	0.090	1.470	7	179	0.250	82	335	-1.720	3	88	1.590	23	223	83	177	314	87	7	4.7
S200604172142A	2006-04-17	21:42:57	43.64	10.23	10.0	-1.830	1.480	0.340	-0.640	-0.970	-0.910	1.990	2	208	0.440	27	117	-2.430	63	301	2.210	22	323	50	-53	94	52	-125	4.1
S200605100044A	2006-05-10	00:44:33	40.23	19.31	5.0	1.920	2.890	-4.810	-0.720	-1.270	4.400	5.300	19	154	1.590	70	352	-6.890	6	246	6.100	22	292	72	10	199	80	162	4.4
S200605102133A	2006-05-10	21:33:06	40.06	19.78	18.0	0.710	1.410	-2.130	-0.410	-1.660	2.430	3.210	26	147	0.540	58	5	-3.760	17	246	3.480	22	289	59	7	195	84	148	4.3
C200605252314A	2006-05-25	23:14:36	36.87	20.34	35.0	3.630	-1.060	-2.580	4.960	-3.240	3.580	6.860	60	13	1.360	14	129	-8.230	26	226	7.550	23	346	23	129	124	72	75	5.1
S200605290220A	2006-05-29	02:20:06	41.80	15.90	31.0	0.890	-0.840	-0.050	0.170	0.300	-0.430	0.980	74	276	0.090	13	63	-1.070	8	155	1.030	23	260	39	112	53	55	73	4.6
S200605301130A	2006-05-30	11:30:40	37.63	16.52	46.0	-1.580	3.380	-1.800	-0.510	0.090	-5.400	6.810	3	212	-1.600	85	76	-5.210	3	302	6.010	22	347	85	0	257	90	175	4.4
S200606131415A	2006-06-13	14:15:38	40.27	19.96	10.0	0.590	0.020	-0.610	-0.310	-0.250	1.160	1.180	34	142	0.320	56	323	-1.490	0	233	1.340	23	283	67	25	182	67	154	4.6
S200606221934A	2006-06-22	19:34:58	39.73	16.60	15.0	1.340	0.010	-1.350	-0.170	0.040	0.360	1.360	83	179	0.080	7	346	-1.440	2	76	1.400	23	173	44	100	339	47	80	4.7
S200608060749A	2006-08-06	07:49:46	40.16	19.74	8.0	0.980	0.820	-1.810	1.360	-0.430	0.580	2.270	46	358	-0.150	40	149	-2.120	15	252	2.190	23	23	46	153	132	71	47	4.8
S200608082120A	2006-08-08	21:20:09	40.19	19.75	11.0	0.870	1.100	-1.960	1.030	-0.610	1.000	2.050	38	353	0.450	47	143	-2.500	15	250	2.280	23	24	51	161	126	75	40	4.8
S200608090210A	2006-08-09	02:10:01	40.11	19.59	19.0	0.650	1.650	-2.290	-0.620	-0.250	0.380	1.990	26	173	0.350	64	3	-2.340	4	265	2.170	22	312	69	16	216	75	159	4.1
S200609071531A	2006-09-07	15:31:43	40.57	16.19	34.0	0.850	0.080	-0.930	0.700	-0.260	-1.010	1.520	48	29	0.050	42	217	-1.560	4	123	1.540	22	178	55	35	66	62	139	4.0
S200610041734A	2006-10-04	17:34:20	42.07	15.75	36.0	0.370	-0.680	0.310	0.050	0.640	-3.450	3.370	9	230	0.350	79	12	-3.720	6	139	3.550	22	274	79	178	4	89	11	4.3
S200610190934A	2006-10-19	09:34:51	42.30	19.80	6.0	-0.800	0.220	0.570	-0.180	-0.730	-0.510	1.090	17	62	0.130	24	160	-1.210	60	302	1.150	23	121	36	-135	352	66	-63	4.6
S200610210704A	2006-10-21	07:04:10	43.65	13.00	36.0	0.150	-1.950	1.800	-0.840	1.300	-1.120	2.910	28	252	-0.550	58	101	-2.370	13	349	2.640	22	34	60	12	298	80	150	4.2
C200610261428A	2006-10-26	14:28:37	38.67	15.40	216.0	-2.480	1.560	0.920	-5.500	-1.210	0.290	5.590	35	166	0.820	1	257	-6.410	55	349	6.000	24	250	10	-97	77	80	-89	5.7
S200611031050A	2006-11-03	10:50:52	36.32	19.44	100.0	-0.230	0.810	-0.580	0.190	-0.470	1.410	1.690	3	148	-0.060	70	51	-1.630	20	239	1.660	23	281	74	-12	15	78	-164	4.7
S200611051715A	2006-11-05	17:15:00	39.75	13.75	429.0	0.350	-0.750	0.400	-0.380	-1.040	-0.330	1.410	44	91	-0.200	31	218	-1.210	29	327	1.310	23	109	33	164	212	81	58	4.6
S200611071113A	2006-11-07	11:13:36	35.91	18.26	35.0	2.410	0.260	-2.680	0.500	1.570	-1.210	2.870	75	284	0.700	1	19	-3.570	15	109	3.220	22	201	30	93	18	60	88	4.2
S200611231321A	2006-11-23	13:21:41	40.08	20.58	33.0	2.480	-1.040	-1.440	-1.230	-2.340	4.240	5.290	42	132	0.290	47	325	-5.580	7	228	5.440	22	280	56	28	173	67	143	4.4
S200611240437A	2006-11-24	04:37:40	36.26	15.76	11.0	-0.280	-1.420	1.700	0.800	-0.200	-5.600	6.020	6	53	-0.290	82	275	-5.720	5	143	5.870	22	188	82	0	98	90	172	4.4
S200612101103A	2006-12-10	11:03:42	41.94	16.20	35.0	5.850	-1.420	-4.430	-2.190	-2.590	-3.210	6.740	75	139	0.590	4	34	-7.330	14	303	7.030	22	28	31	83	217	59	94	4.5
S200612191458A	2006-12-19	14:58:06	37.78	14.91	23.0	-0.580	-0.690	1.270	-1.250	2.190	-0.670	3.140	34	248	-0.780	12	149	-2.360	53	43	2.750	22	18	16	-40	147	80	-102	4.2
S200702031049A	2007-02-03	10:49:14	43.37	17.66	60.0	-0.610	-2.460	3.070	2.210	2.290	-2.290	4.400	19	258	0.770	50	13	-5.160	33	154	4.780	22	300	51	-169	203	81	-39	4.3
S200702050830A	2007-02-05	08:30:05	45.11	14.93	10.0	0.580	-4.880	4.290	1.070	1.480	-0.600	4.810	19	269	0.340	67	54	-5.160	12	175	4.990	22	311	68	175	43	85	22	4.4
S200702220603A	2007-02-22	06:03:01	39.99	15.63	327.0	0.130	2.520	-2.650	3.500	-2.500	0.610	5.150	38	10	-0.200	32	128	-4.950	36	245	5.050	22	37	32	179	128	89	58	4.4
S200703261355A	2007-03-26	13:55:25	39.26	17.04	10.0	-0.280	0.860	-0.580	-0.200	-0.510	0.400	1.050	15	162	-0.070	52	52	-0.980	34	262	1.020	22	297	55	-15	36	78	-144	3.9
C200704160738A	2007-04-16	07:38:53	41.17	19.90	13.0	1.210	-0.730	-0.480	1.390	-0.010	1.660	2.210	50	328	0.360	36	116	-2.570	16	218	2.390	23	348	43	150	101	70	52	4.8
S200705090603A	2007-05-09	06:03:49	44.80	10.52	20.0	2.770	-2.360	-0.410	0.080	-1.280	0.200	3.220	71	90	-0.830	19	279	-2.390	3	188	2.810	22	258	45	63	115	51	115	4.2
C200707042355A	2007-07-04	23:55:32	38.80	15.20	279.0	-5.930	2.170	3.760	-5.070	-3.680	1.940	7.730	24	132	1.160	8	225	-8.890	65	332	8.310	23	206	22	-111	48	70	-82	5.2
S200707301905A	2007-07-30	19:05:43	44.89	10.03	27.0	1.840	1.610	-3.460	-4.800	0.840	2.990	6.760	43	168	-0.680	38	304	-6.090	24	54	6.430	22	191	40	163	295	79	51	4.4
S200708181404A	2007-08-18	14:04:08	38.22	15.17	12.0	-0.780	0.200	0.580	0.390	0.300	-0.030	0.660	14	278	0.320	16	12	-0.980	68	149	0.820	23	347	34	-120	201	61	-71	4.5
C200709050508A	2007-09-05	05:08:15	41.35	19.47	9.0	0.660	0.910	-1.570	1.280	-0.300	0.460	2.080	42	357	-0.280	45	148	-1.790	15	253	1.930	23	26	49	158	131	73	43	4.7
S200710181541A	2007-10-18	15:41:20	43.23	17.83	13.0	-0.480	0.940	-0.450	0.000	0.480	3.500	3.830	4	320	-0.460	82	202	-3.380	7	51	3.600	22	95	82	-2	186	88	-172	4.3
S200710210355A	2007-10-21	03:55:35	42.38	12.97	10.0	-1.930	1.070	0.860	-2.080	-0.360	-1.010	2.490	21	208	0.660	22	109	-3.150	59	337	2.820	22	330	31	-44	100	69	-113	4.2
S200711240336A	2007-11-24	03:36:04	44.07	18.20	10.0	1.290	-1.040	-0.250	-0.800	-0.030	0.470	1.550	71	163	-0.100	11	288	-1.450	15	21	1.500	22	127	32	112	282	61	77	4.0
S200712010714A	2007-12-01	07:14:25	40.01	15.79	256.0	-0.400	0.670	-0.270	0.510	-0.530	0.620	1.030	11	338	0.180	46	80	-1.210	42	238	1.120	23	28	53	-155	282	70	-40	4.6
S200802200806A	2008-02-20	08:06:19	41.58	13.78	8.0	-0.960	1.220	-0.260	-1.350	3.980	-0.100	3.780	41	240	0.970	8	338	-4.750	48	77	4.270	22	271	9	-157	158	87	-82	4.3
S200802210500A	2008-02-21	05:00:08	37.82	17.97	30.0	0.920	-0.520	-0.400	1.120	-0.100	0.560	1.550	60	349	-0.130	18	113	-1.420	23	211	1.480	23	333	27	134	106	71	71	4.7
S200803010743A	2008-03-01	07:43:13	44.06	11.25	10.0	-1.350	1.080	0.260	-0.230	0.840	-0.470	1.420	13	211	0.280	19	305	-1.710	67	89	1.560	23	278	36	-123	136	60	-68	4.7

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
S200803010808A	2008-03-01	08:08:09	44.35	11.49	10.0	-1.340	0.470	0.870	-0.060	0.720	-0.450	1.320	14	241	0.240	10	334	-1.560	73	97	1.440	22	318	32	-108	160	60	-79	4.0
S200803010843A	2008-03-01	08:43:46	44.06	11.22	5.0	-2.530	1.500	1.030	-0.730	-0.190	-1.740	3.050	4	220	-0.320	15	129	-2.730	74	326	2.890	22	326	43	-67	116	51	-110	4.2
S200803050408A	2008-03-05	04:08:21	40.22	19.67	0.0	0.700	-0.270	-0.440	-0.890	-0.150	1.040	1.490	46	148	0.020	40	300	-1.520	14	42	1.510	22	173	47	152	282	70	46	4.0
C200803191438A	2008-03-19	14:38:57	41.91	15.85	28.0	1.370	0.070	-1.430	0.800	-0.720	-1.820	2.400	46	36	0.270	44	211	-2.660	2	303	2.530	22	69	57	145	179	61	38	4.2
S200803260919A	2008-03-26	09:19:31	44.27	9.78	67.0	1.910	-1.710	-0.200	-0.790	0.520	-1.010	2.290	67	229	-0.020	22	68	-2.270	7	336	2.280	22	43	43	57	264	55	117	4.1
S200804081720A	2008-04-08	17:20:03	39.16	16.66	10.0	-2.670	-1.090	3.760	1.370	-1.710	2.350	4.880	9	110	-0.510	38	13	-4.370	50	210	4.620	22	235	49	-35	350	64	-134	4.3
C200806021736A	2008-06-02	17:36:12	36.45	6.53	0.0	1.290	-1.640	0.350	-0.080	0.490	-0.120	1.510	67	264	0.140	23	87	-1.650	1	357	1.580	22	65	48	58	288	51	121	4.0
S200810240306A	2008-10-24	03:06:40	44.34	7.36	10.0	-0.860	-0.540	1.400	0.980	0.700	-0.730	1.710	10	256	0.280	42	355	-1.990	46	156	1.850	22	308	51	-150	198	67	-43	4.1
S200811201409A	2008-11-20	14:09:19	39.14	17.49	15.0	1.230	2.690	-3.930	0.960	0.790	-6.430	6.640	4	31	1.350	81	270	-8.000	7	122	7.320	22	166	82	-2	256	88	-172	4.5
S200811282339A	2008-11-28	23:39:21	37.54	13.69	35.0	1.410	3.310	-4.720	-1.290	-0.160	-3.690	5.110	17	200	1.100	72	36	-6.210	5	292	5.660	22	337	74	9	245	81	164	4.4
C200812172157A	2008-12-17	21:57:44	39.21	15.44	257.0	-0.540	0.070	0.470	-0.280	-0.650	-0.120	0.790	26	91	0.160	14	189	-0.950	59	304	0.870	24	151	23	-130	13	73	-75	5.2
C200812231524A	2008-12-23	15:24:22	44.56	10.41	28.0	1.570	-1.700	0.130	0.680	-0.160	0.790	1.710	79	0	0.420	4	109	-2.120	11	200	1.910	24	295	34	97	107	56	86	5.4
S200812232158A	2008-12-23	21:58:25	44.52	10.39	31.0	2.050	-2.460	0.410	0.950	-0.430	1.200	2.270	78	36	0.840	3	291	-3.110	11	200	2.690	23	286	34	84	113	57	94	4.8
S200901041530A	2009-01-04	15:30:30	47.35	9.39	10.0	-0.140	-0.810	0.950	-0.310	-0.150	-0.750	1.230	1	70	-0.030	72	164	-1.200	18	339	1.210	22	116	76	-168	23	78	-14	3.9
S200903190827A	2009-03-19	08:27:54	36.52	12.72	28.0	-0.360	1.780	-1.420	-1.590	3.010	-3.400	5.510	28	218	-1.010	48	345	-4.500	28	112	5.000	22	255	48	-180	165	90	-42	4.4
S200903251223A	2009-03-25	12:23:25	40.34	19.63	10.0	3.240	0.400	-3.640	-0.040	-1.250	-0.180	3.460	80	91	0.410	0	182	-3.870	10	273	3.660	22	3	35	90	182	55	90	4.3
S200903301338A	2009-03-30	13:38:38	42.33	13.36	11.0	-4.960	0.400	4.560	-1.600	1.700	-0.680	5.050	11	258	0.560	12	165	-5.610	74	31	5.330	22	2	35	-70	158	57	-104	4.4
S200904052020A	2009-04-05	20:20:52	44.33	11.98	10.0	1.130	-1.500	0.370	0.530	-0.480	0.300	1.410	66	72	0.270	20	286	-1.680	12	191	1.540	23	257	37	55	118	60	113	4.7
S200904052048A	2009-04-05	20:48:56	42.36	13.37	10.0	-2.080	0.330	1.740	-0.180	-0.790	-0.700	2.130	9	70	0.130	11	161	-2.270	76	300	2.200	22	147	37	-108	349	55	-77	4.1
C200904060132A	2009-04-06	01:32:39	42.33	13.33	10.0	-3.520	1.440	2.080	-1.160	0.790	-1.880	3.910	10	229	-0.110	6	138	-3.800	78	20	3.860	25	326	35	-80	134	56	-97	6.3
C200904060237A	2009-04-06	02:37:05	42.41	13.32	10.0	-4.270	0.650	3.620	-2.500	-0.500	-2.140	4.810	5	240	0.700	26	147	-5.510	64	341	5.160	23	355	46	-53	128	55	-122	5.0
S200904060356A	2009-04-06	03:56:48	42.38	13.34	10.0	-0.720	0.270	0.450	0.020	0.540	-0.080	0.670	21	260	0.260	6	352	-0.940	68	96	0.810	23	340	25	-103	175	66	-84	4.5
C200904060717A	2009-04-06	07:17:10	42.35	13.37	10.0	-3.280	1.470	1.810	0.120	-0.400	-0.870	2.550	4	51	0.760	2	141	-3.310	86	261	2.930	22	138	41	-93	323	49	-87	4.2
S200904061638A	2009-04-06	16:38:09	42.36	13.33	10.0	-5.210	1.100	4.110	-2.240	0.360	-2.310	5.550	8	239	0.390	17	147	-5.940	72	353	5.740	22	348	40	-64	135	55	-111	4.4
C200904062315A	2009-04-06	23:15:37	42.45	13.36	10.0	-4.730	1.380	3.350	-1.420	-0.280	-2.230	4.840	3	236	0.280	15	145	-5.120	75	339	4.980	23	341	44	-68	132	50	-109	5.0
C200904070926A	2009-04-07	09:26:28	42.34	13.39	10.0	-4.770	1.670	3.100	-2.050	-0.200	-1.820	4.460	7	233	0.970	17	141	-5.430	72	344	4.940	23	341	41	-64	128	54	-111	5.0
C200904071747A	2009-04-07	17:47:37	42.28	13.46	15.0	-1.790	0.970	0.810	-0.760	-0.930	-1.650	2.550	1	44	0.030	33	135	-2.580	57	312	2.560	24	105	53	-134	342	55	-48	5.5
C200904072134A	2009-04-07	21:34:29	42.38	13.38	10.0	-0.750	0.510	0.240	-0.290	-0.100	-0.370	0.790	7	213	0.050	16	121	-0.840	72	325	0.820	23	321	41	-64	108	54	-110	4.5
S200904080427A	2009-04-08	04:27:42	42.30	13.43	10.0	-1.420	0.440	0.990	-0.220	0.230	-0.210	1.090	7	250	0.370	4	159	-1.460	82	39	1.280	22	344	38	-84	156	52	-95	4.0
S200904082256A	2009-04-08	22:56:50	42.51	13.36	10.0	-1.870	1.120	0.750	-0.470	0.000	-0.990	1.980	5	219	-0.020	9	128	-1.950	80	340	1.960	22	319	40	-76	121	51	-101	4.1
C200904090052A	2009-04-09	00:52:59	42.48	13.34	15.0	-1.750	0.650	1.100	-0.180	-0.110	-0.820	1.720	0	233	0.050	6	143	-1.770	84	326	1.750	24	329	45	-81	136	46	-99	5.4
S200904090314A	2009-04-09	03:14:52	42.34	13.44	18.0	-0.490	3.010	-2.520	0.570	-3.000	-1.840	4.120	21	25	0.730	49	142	-4.850	33	281	4.490	22	67	50	-170	331	83	-40	4.3
S200904090432A	2009-04-09	04:32:44	42.44	13.42	10.0	-1.810	-0.110	1.920	-1.680	-1.260	-2.200	3.330	2	58	0.430	43	150	-3.760	47	326	3.550	22	113	57	-144	2	61	-39	4.3
C200904091938A	2009-04-09	19:38:16	42.50	13.36	17.0	-0.880	0.420	0.460	-0.080	-0.030	-0.390	0.830	1	227	0.050	5	136	-0.890	85	331	0.860	24	321	44	-83	132	46	-97	5.2
S200904100322A	2009-04-10	03:22:23	42.49	13.42	10.0	-0.930	0.770	0.160	0.100	-0.260	-0.130	0.810	5	14	0.180	11	105	-0.990	77	260	0.900	22	91	41	-108	294	51	-75	3.9
C200904132114A	2009-04-13	21:14:24	42.50	13.36	10.0	-4.180	1.440	2.750	-1.510	0.380	-1.650	4.040	8	233	0.530	11	142	-4.560	76	359	4.300	23	337	38	-71	133	54	-104	5.0
S200904142017A	2009-04-14	20:17:27	42.53	13.28	10.0	-1.120	0.620	0.490	-0.060	0.080	-0.410	0.970	3	221	0.150	1	311	-1.130	87	65	1.050	22	309	42	-92	132	48	-88	3.9
S200904152253A	2009-04-15	22:53:08	42.54	13.28	10.0	-1.660	0.990	0.670	0.090	-1.310	-0.710	1.830	17	48	0.430	18	144	-2.260	65	279	2.050	22	113	33	-126	333	64	-69	4.1
S200904231514A	2009-04-23	15:14:08	42.25	13.49	10.0	-1.960	0.980	0.980	-0.210	-0.430	-0.540	1.530	3	46	0.520	10	137	-2.050	79	301	1.790	22	126	43	-105	326	49	-76	4.1
S200904232149A	2009-04-23	21:49:00	42.23	13.48	10.0	-3.050	1.130	1.920	-0.970	1.790	-1.020	3.270	18	237	0.440	2	328	-3.710	72	65	3.490	22	323	27	-95	149	63	-87	4.3
S200905072127A	2009-05-07	21:27:12	47.59	15.74	10.0	-2.320	-1.000	3.330	-0.960	-2.860	1.260	4.920	23	106	-1.330	4	197	-3.580	67	296	4.250	22	188	23	-100	19	68	-86	4.3
S200906211120A	2009-06-21	11:20:04	43.47	17.30	10.0	1.080	-1.480	0.390	-0.380	0.350	0.130	1.260	68	253	0.280	20	99	-1.550	9	6	1.410	23	73	40	58	293	57	114	4.7
S200906222058A	2009-06-22	20:58:40	42.45	13.36	14.0	-0.850	0.600	0.250	0.800	-0.880	-0.440	1.480	27	39	-0.010	7	133	-1.470	62	236	1.480	23	113	19	-112	315	72	-83	4.7
S200907031103A	2009-07-03	11:03:07	42.41	13.39	10.0	-1.780	0.550	1.240	-0.350	-0.410	-0.410	1.450	4	67	0.460	12	158	-1.900	77	318	1.680	22	144	42	-108	348	50	-74	4.0
S200907120838A	2009-07-12	08:38:51	42.34	13.38	10.0	-4.290	1.390	2.910	-1.390	0.960	-0.820	3.540	11	243	1.160	8	151	-4.690	77	26	4.110	22	342	35	-76	146	56	-99	4.3
C200908211339A	2009-08-21	13:39:57	41.86	19.16	10.0	3.880	-1.600	-2.280	0.530	-1.490	2.260	4.220	77	90	0.270	8	322	-4.490	10	230	4.350	23	311	36	76	147	56	100	5.0
C200909072126A	2009-09-07	21:26:31	38.59	14.02	10.0	1.500	-1.540	0.040	-0.050	-0.010	-0.430	1.500	89	161	0.150	0	256	-1.650	1	346	1.580	23	76	44	90	256	46	90	4.7
S200909200350A	2009-09-20	03:50:15	43.44	13.44	18.0	-0.220	-0.580	0.800	-0.100	-0.030	-0.870	1.220	0	244	-0.210	82	151	-1.010	8	334	1.120	23	19	84	-5	110	85	-174	4.6
S200909241614A	2009-09-24	16:14:57	42.45	13.33	10.0	-2.790	0.770	2.020	0.650	-0.880	-0.030	2.190	11	84	0.860	8	352	-3.050	76	225	2.620	22	184	35	-76	347	56	-100	4.2
S200910191008A	2009-10-19	10:08:50	44.88	9.79	20.0	1.720	-1.460	-0.260	-0.650	0.380	-0.960	2.000	69	227	0.030	20	65	-2.040	6	333	2.020	22	41	43	59	260	54	115	4.1
S200912151311A	2009-12-15	13:11:58	43.01	12.28	15.0	0.220	1.210	-1.430	0.580	0.200	-1.890	2.280	12	26	0.200	75	246	-2.490	9	118	2.390	22	163	75	2	72	88	165	4.1
S200912190901A	2009-12-19	09:01:18	37.76	15.09	40.0	0.640	-2.480	1.850	-2.300	-2.860	-2.830	4.290	33	79	1.420	44	207	-5.700	29	328	5.000	22	112	44	176	205	87	46	4.4
S201001120825A	2010-01-12	08:25:10	43.12	13.41	25.0	0.240	0.900	-1.140	0.830	-2.220	0.140	2.170	49	48	0.710	16	156	-2.870	37	258	2.520	22	44	17	158	155	84	74	4.2
S201001121335A	2010-01-12	13:35:47	43.26	13.47	31.0	-0.610	1.670	-1.060	0.690	-1.050	0.020	1.890	18	6	0.080	44	114	-1.970	40	260	1.930	22	52	48	-161	309	76	-44	4.1
S201002110225A	2010-02-11	02:25:53	42.28	19.43	20.0	5.060	-1.950	-3.110	-1.510	0.290	4.830	5.460	73	156	2.060	17	316	-7.510	6	48	6.490	22	155	42	115	303	53	69	4.4
S201004022004A	2010-04-02	20:04:47	37.76	15.11	2.0	0.560	-0.120	-0.450	-0.010	-1.340	2.060	2.320	30	130	0.340	54	347	-2.660	18	231	2.490	22	274	55	10	178	82	145	4.2
S201004100838A	2010-04-10	08:38:08	35.99	6.23	15.0	-0.780	-1.120	1.900	-3.220	0.150	-3.000	4.510	22	230	0.370	46	114	-4.880	35	337	4.690	22	9	47	-11	106	82	-137	4.3
S201004150147A	2010-04-15	01:47:37	43.49	12.44	2.0	-1.030	0.560	0.480	1.280	-0.230	-0.410	1.490	26	28	0.260	12	292	-1.740	61	180	1.610	22	144	21	-57	288	72	-102	4.0
S201006041844A	2010-06-04	18:44:53	42.37	16.59	15.0	3.090	-2.880	-0.210	-0.290	1.350	-0.500	3.600	70	259	-0.640	20	80	-2.970	1	350	3.290	22	61	48	62	279	49	117	4.2
S201006162239A	2010-06-16	22:39:41	38.83	16.14	15.0	-1.250	1.910	-0.670	0.150	1.000	0.660	2.110	7	344	-0.100	37	249	-2.020	52	83	2.070	22	109	50	-38	225	62	-133	4.1
C201006202313A	2010-06-20	23:13:52	43.78	17.00	10.0	1.390	-5.190	3.800	-0.200	0.350	1.230	4.000	7	277	1.360	83	114	-5.360	2	8	4.680	22	53	84	4	322	87	174	4.3
S201007092215A	2010-07-09	22:15:10	41.17	19.84	12.0	1.790	-1.340	-0.450	-0.030	0.570	0.850	1.940	75	283	-0.050	14	124	-1.880	5	32	1.910	23	107	42	69	315	52	108	4.7
S201008161254A	2010-08-16	12:54:47	38.36	14.95	10.0	-0.320	-0.990	1.310	0.220	-0.220	-0.160	1.350	8	85	-0.290	72	329	-1.060	16	177	1.210	23	221	73	-6	312	85	-163	4.6
C201008221022A	2010-08-22	10:22:58	37.24	19.95	24.0	1.060	-0.430	-0.630	1.260	-1.270	0.530	2.080	60	43	0.060	2	137	-2.080	30	228	2.080	24	325	16	99	136	75	88	5.4
S201008280708A	2010-08-28	07:08:03	42.85	12.66	15.0	-1.910	0.210	1.710	-0.610	-0.270	-0.180	1.740	3	85	0.360	16	176	-2.100	74	343	1.920	22	159	44	-113	9	50	-70	4.1
S201009050707A	2010-09-05	07:07:23	44.11	12.17	15.0	1.090	0.220	-1.310	-0.500	0.280	0.050	1.340	66	192	0.010	23	353	-1.350	7	86	1.340	22	200	43	125	336	56	62	4.0
S201009171220A	2010-09-17	12:20:18	41.49	15.63	30.1	-1.430	2.620	-1.190	1.750	0.560	-1.510	3.600	17	16	-0.740	40	271	-2.860	45	123	3.230	22	148	45	-25	256	73	-132	4.2
S201010132243A	2010-10-13	22:43:14	44.14	12.37	35.2	0.300	-0.670	0.380	-0.550	0.690	-1.150	1.670	33	236	-0.250	57	64	-1.420	4	328	1.550	22	17	65	22	278	70	153	4.0
S201010150521A	2010-10-15	05:21:19	38.87	16.66	15.0	0.960	-2.700	1.740	0.770	1.700	-3.120	3.860	24	247	0.840	62	31	-4.700	15	151	4.280	22	287	62	173	20	84	28	4.3
C201011030056A	2010-11-03	00:56:54	43.74	20.69	10.0	0.470	0.250	-0.730	-0.470	0.060	2.250	2.130	11	142	0.440	77	291	-2.580	7	51	2.360	24	186	77	177	277	87	13	5.5
S201011131824A	2010-11-13	18:24:59	35.08	9.42	10.0	0.150	-0.210	0.070	0.140	0.020	-1.150	1.090	5	48	0.150	83	275	-1.240	5	139	1.170	23	183	83	0	273	90	-173	4.6
S201101220048A	2011-01-22	00:48:49	43.25	18.95	10.0	-0.550	0.950	-0.400	-0.430	-0.990	2.250	2.890	16	142	-0.620	65	15	-2.260	19	237	2.570	22	279	65	-3	10	87	-155	4.2
S201101240126A	2011-01-24	01:26:39	43.11	18.83	5.0	-0.830	-0.620	1.450	-0.790	-1.780	5.680	6.660	14	129	-1.240	74	337	-5.420	7	221	6.040	22	266	75	5	174	85	165	4.4
S201101291741A	2011-01-29	17:41:37	47.51	18.38	5.0	-1.160	1.670	-0.510	-0.540	0.460	4.780	5.480	1	142	-1.020	78	237	-4.470	12	51	4.980	22	187	81	-172	96	83	-9	4.4
S201104241302A	2011-04-24	13:02:12	35.82	14.88	20.3	-2.250	0.210	2.040	-0.020	1.060	0.740	2.510	12	288	0.000	8	196	-2.510	76	73	2.510	22	28	34	-76	191	57	-99	4.2
S201104282330A	2011-04-28	23:30:44	44.76	17.32	10.0	-0.530	-3.050	3.570	-2.170	-0.280	3.360	5.200	12	115	0.030	65	230	-5.240	22	20	5.220	22	159	66	-172	66	83	-24	4.4
S201105061512A	2011-05-06	15:12:35	37.78	14.96	22.2	0.540	-1.060	0.530	-2.080	1.480	-2.970	4.390	33	229	-0.860	54	77	-3.520	13	328	3.950	22	13	57	15	275	77	146	4.3
S201105191450A	2011-05-19	14:50:52	39.05	15.18	292.3	0.490	-0.620	0.130	-0.950	-1.130	-0.610	1.520	53	109	0.310	16	222	-1.830	32	323	1.680	23	96	20	145	219	79	73	4.7
S201105242203A	2011-05-24	22:03:55	43.86	12.03	5.0	-1.520	1.670	-0.150	0.320	0.880	-1.020	2.130	1	205	-0.020	32	295	-2.100	58	113	2.120	22	266	52	-132	142	54	-49	4.1
S201106091616A	2011-06-09	16:16:36	40.69	19.75	10.0	0.080	-1.640	1.550	-1.240	0.670	4.260	4.510	2	125	0.470	74	223	-4.980	15	34	4.750	22	171	78	-170	79	81	-13	4.3
S201106170531A	2011-06-17	05:31:08	43.82	16.50	10.0	0.360	-0.800	0.440	-0.660	-0.720	0.490	1.420	42	118	-0.300	41	258	-1.120	21	8	1.270	22	144	44	162	247	77	48	4.0
S201106232202A	2011-06-23	22:02:46	38.06	14.76	7.4	-1.150	1.270	-0.120	0.380	-0.690	0.180	1.330	8	357	0.230	26	90	-1.550	62	252	1.440	23	59	44	-130	289	58	-58	4.7
S201107021443A	2011-07-02	14:43:08	41.96	7.58	40.0	-1.770	2.540	-0.780	-0.010	-1.370	-1.300	3.030	6	21	-0.190	38	115	-2.840	51	284	2.940	22	77	52	-142	321	61	-45	4.2
S201107060908A	2011-07-06	09:08:38	38.01	14.80	7.5	-1.300	1.350	-0.050	0.290	0.750	-0.080	1.380	6	360	0.300	25	267	-1.680	64	103	1.530	22	115	44	-53	249	56	-120	4.0
C201107071921A	2011-07-07	19:21:48	42.06	7.60	10.0	5.970	-2.580	-3.380	-0.630	-1.060	-2.960	6.100	84	111	0.000	2	221	-6.090	6	311	6.090	23	43	39	93	219	51	87	5.1
S201107120653A	2011-07-12	06:53:22	43.92	11.86	7.8	-3.040	2.380	0.660	0.790	-1.480	-1.070	3.200	13	30	0.390	13	123	-3.590	71	258	3.390	22	103	34	-114	311	59	-74	4.2
S201107120715A	2011-07-12	07:15:08	43.92	11.85	7.4	-2.470	1.960	0.510	0.480	-0.640	-0.980	2.560	8	28	0.060	7	119	-2.620	79	250	2.590	22	109	37	-102	304	54	-81	4.2
S201107121920A	2011-07-12	19:20:57	43.93	11.86	15.0	-1.110	0.680	0.430	0.690	-0.390	-0.330	1.180	19	33	0.210	2	302	-1.380	71	207	1.280	22	126	26	-86	301	64	-92	4.0
S201107130955A	2011-07-13	09:55:12	42.44	12.72	15.0	-0.060	-0.490	0.550	-0.740	0.130	-0.580	1.010	26	236	0.130	47	115	-1.140	32	344	1.070	22	18	47	-5	111	86	-137	3.9
S201107171830A	2011-07-17	18:30:23	45.01	11.41	8.1	1.310	-1.500	0.190	-1.450	0.860	-0.070	2.250	60	228	-0.100	17	106	-2.150	24	8	2.200	23	66	26	47	292	71	108	4.8
S201107251231A	2011-07-25	12:31:20	44.98	7.28	25.1	-1.070	0.950	0.120	-0.620	-0.750	0.410	1.430	20	151	0.070	14	56	-1.490	66	294	1.460	23	264	28	-60	50	66	-105	4.7
S201108151308A	2011-08-15	13:08:35	43.06	17.75	5.0	-0.340	0.430	-0.090	0.980	-0.470	0.520	1.130	31	349	0.250	29	98	-1.370	45	222	1.250	22	27	30	-164	283	82	-61	4.0
S201109251317A	2011-09-25	13:17:10	42.53	18.57	2.0	2.760	-1.610	-1.160	-0.450	-0.370	1.140	2.870	79	136	-0.330	10	309	-2.550	1	39	2.710	22	140	45	105	299	47	76	4.2
S201110200611A	2011-10-20	06:11:00	44.53	9.41	10.0	1.970	-2.090	0.120	0.890	-0.960	1.430	2.390	69	78	0.690	15	302	-3.090	14	208	2.740	22	278	34	62	131	60	108	4.2
S201110290413A	2011-10-29	04:13:34	45.71	10.92	15.0	1.400	-1.520	0.120	-0.140	-0.710	-0.330	1.720	66	90	-0.110	23	254	-1.610	6	347	1.670	22	101	44	125	237	55	61	4.0
S201111150459A	2011-11-15	04:59:00	38.26	14.67	15.0	-0.270	-0.390	0.660	-1.010	0.060	-1.920	2.310	15	230	-0.130	62	109	-2.180	23	326	2.240	22	7	63	-6	99	85	-152	4.1
S201112121704A	2011-12-12	17:04:43	43.29	19.28	10.0	0.060	-0.530	0.470	-0.150	0.090	0.910	1.010	0	121	0.090	81	212	-1.100	9	31	1.050	23	166	84	-174	75	84	-6	4.6
S201112181501A	2011-12-18	15:01:03	36.02	12.98	10.0	-0.300	0.120	0.170	0.040	0.570	-1.210	1.440	13	228	-0.180	62	342	-1.260	25	132	1.350	23	272	63	-171	178	82	-27	4.6
S201201242354A	2012-01-24	23:54:46	45.54	10.97	15.0	0.040	-0.740	0.690	-0.610	-0.620	-1.310	1.510	10	62	0.370	64	174	-1.880	24	328	1.690	22	107	66	-170	13	81	-24	4.0
S201201250806A	2012-01-25	08:06:37	44.85	10.54	33.0	-1.130	2.440	-1.310	-2.040	-0.280	-1.790	3.830	20	198	-0.950	44	87	-2.880	39	306	3.350	23	335	46	-16	76	79	-135	4.9
C201201271453A	2012-01-27	14:53:14	44.48	10.03	50.0	4.350	-3.460	-0.890	-1.510	0.710	1.360	4.670	79	206	-0.310	1	114	-4.370	11	23	4.520	23	113	34	89	294	56	91	5.0

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
S201202252034A	2012-02-25	20:34:34	38.65	13.42	43.0	4.100	-2.820	-1.270	-3.960	-0.890	-1.030	5.920	66	172	-0.840	5	71	-5.070	24	339	5.490	22	59	22	77	253	69	95	4.4
S201202262237A	2012-02-26	22:37:55	44.54	6.66	2.0	-4.270	-0.600	4.860	-1.870	4.390	0.400	6.640	22	267	-0.020	15	171	-6.630	63	50	6.640	22	24	26	-54	165	69	-106	4.4
S201203040347A	2012-03-04	03:47:39	42.03	7.63	2.0	5.930	-2.470	-3.450	-1.910	-1.660	-1.880	6.500	77	145	-1.050	3	40	-5.450	12	309	5.970	22	35	33	84	222	57	94	4.4
S201203051515A	2012-03-05	15:15:06	44.54	9.38	10.5	-2.090	1.280	0.820	-1.540	2.360	-0.850	3.310	27	226	0.300	8	320	-3.600	62	65	3.450	22	297	19	-114	143	73	-82	4.3
S201203150329A	2012-03-15	03:29:05	42.81	13.20	6.0	-1.180	0.740	0.440	-0.210	0.310	-0.290	0.970	9	214	0.280	5	305	-1.250	79	65	1.110	22	297	36	-99	128	54	-83	3.9
S201204130621A	2012-04-13	06:21:35	38.19	13.31	20.0	-6.330	6.350	-0.010	-0.530	2.590	-3.050	7.730	6	203	-0.450	20	296	-7.280	69	97	7.510	22	273	43	-120	131	54	-65	4.5
S201205192313A	2012-05-19	23:13:27	44.90	11.26	6.2	1.850	-2.070	0.220	-0.730	0.180	0.560	1.980	80	195	0.350	0	103	-2.330	10	13	2.160	22	103	35	90	283	55	90	4.1
C201205200203A	2012-05-20	02:03:51	44.90	11.23	8.3	1.470	-1.390	-0.080	-0.530	0.770	0.370	1.820	68	252	-0.160	17	114	-1.660	14	20	1.740	25	88	35	60	304	61	109	6.1
C201205200302A	2012-05-20	03:02:50	44.86	11.10	10.0	2.780	-3.190	0.400	-3.150	0.700	1.090	4.150	67	189	0.700	2	284	-4.850	23	15	4.500	23	109	22	96	283	68	88	5.0
S201205200913A	2012-05-20	09:13:21	44.88	11.24	3.1	3.220	-3.500	0.280	6.010	3.950	0.900	8.570	53	315	-1.310	16	67	-7.260	33	167	7.910	22	302	19	146	64	80	74	4.5
C201205201318A	2012-05-20	13:18:02	44.83	11.49	4.7	0.570	-0.580	0.000	-0.330	0.410	0.260	0.810	64	252	0.020	17	123	-0.830	19	27	0.820	24	91	30	54	311	66	109	5.2
S201205201737A	2012-05-20	17:37:14	44.88	11.38	3.2	4.860	-4.140	-0.720	0.960	0.090	-2.360	4.970	83	16	0.460	5	244	-5.420	5	153	5.190	22	238	40	83	67	50	96	4.4
S201205211637A	2012-05-21	16:37:31	44.85	11.35	10.4	1.770	-1.380	-0.390	0.110	0.790	-0.980	2.040	70	259	0.010	18	54	-2.050	8	146	2.050	22	256	40	119	41	55	68	4.1
S201205232141A	2012-05-23	21:41:18	44.87	11.25	4.8	0.870	-2.200	1.330	-1.090	1.910	0.340	3.070	43	263	-0.280	38	126	-2.790	23	16	2.930	22	59	40	18	315	78	129	4.2
S201205251314A	2012-05-25	13:14:05	44.88	11.11	10.0	0.790	-1.240	0.460	-0.050	0.570	-0.010	1.220	53	268	0.030	37	91	-1.240	1	0	1.230	22	59	54	42	301	57	136	4.0
S201205271818A	2012-05-27	18:18:45	44.88	11.16	4.7	0.740	-1.390	0.650	-0.380	1.290	0.440	1.980	46	271	-0.290	38	127	-1.700	19	21	1.840	22	68	43	24	320	74	130	4.1
S201205280106A	2012-05-28	01:06:27	39.86	16.12	3.0	-5.460	1.400	4.050	-0.420	-3.980	-2.060	6.180	17	68	0.860	14	163	-7.050	68	291	6.620	22	137	31	-119	350	63	-74	4.4
C201205290700A	2012-05-29	07:00:03	44.82	11.07	9.0	0.640	-0.640	0.000	-0.400	0.220	0.130	0.790	71	222	0.010	8	107	-0.800	17	14	0.800	25	91	29	72	291	63	99	5.8
S201205290825A	2012-05-29	08:25:51	44.90	10.94	3.2	0.790	-0.870	0.080	-0.650	0.730	0.190	1.350	59	246	-0.110	19	120	-1.240	23	22	1.300	23	79	28	45	307	71	110	4.6
S201205290827A	2012-05-29	08:27:23	44.85	11.11	10.0	6.380	-5.360	-1.020	-3.240	-1.320	1.150	7.500	72	145	-1.190	12	276	-6.320	13	9	6.910	22	115	34	113	269	59	76	4.5
C201205291055A	2012-05-29	10:55:57	44.88	10.99	13.3	1.900	-1.780	-0.110	-0.440	0.700	0.420	2.140	73	255	-0.160	14	109	-1.980	9	16	2.060	24	90	38	66	299	56	107	5.4
S201205291100A	2012-05-29	11:00:25	44.88	10.95	5.4	2.620	-2.890	0.270	-1.120	-1.840	0.750	3.900	59	112	-0.730	30	273	-3.160	8	8	3.530	23	128	45	134	254	60	55	4.9
S201205311458A	2012-05-31	14:58:21	44.88	10.87	5.8	0.880	-0.940	0.060	0.430	0.330	0.020	1.080	69	304	-0.040	17	83	-1.040	13	177	1.060	22	288	35	120	73	60	71	3.9
S201206031920A	2012-06-03	19:20:43	44.90	10.94	9.2	1.140	-1.450	0.300	-1.800	0.860	0.380	2.250	60	218	0.300	9	112	-2.560	28	17	2.410	23	83	19	60	294	74	100	4.8
S201206060408A	2012-06-06	04:08:31	44.43	12.35	25.6	1.570	-2.230	0.660	-1.100	0.540	-1.380	2.400	52	236	0.540	36	78	-2.940	11	341	2.670	22	35	46	36	278	65	130	4.2
S201206090204A	2012-06-09	02:04:56	46.21	12.44	7.1	2.100	-1.430	-0.670	0.940	0.470	-0.630	2.370	76	335	-0.310	1	241	-2.050	14	151	2.210	22	240	31	88	62	59	91	4.1
S201206120148A	2012-06-12	01:48:36	44.88	10.89	10.8	1.300	-1.530	0.230	0.540	0.190	0.140	1.440	75	317	0.200	10	91	-1.630	10	183	1.540	22	286	36	108	84	56	77	4.0
C201206182209A	2012-06-18	22:09:49	39.13	6.38	5.0	0.990	-0.240	-0.750	-0.060	-0.150	-0.260	1.000	85	111	-0.130	0	202	-0.870	5	292	0.940	23	23	40	90	202	50	90	4.5
S201207041112A	2012-07-04	11:12:12	37.69	16.87	40.0	0.070	-0.240	0.170	0.280	-0.070	-1.000	1.040	13	50	0.040	74	264	-1.080	9	142	1.060	23	186	74	3	95	87	164	4.6
S201207041327A	2012-07-04	13:27:12	38.57	15.14	178.0	-2.140	0.960	1.180	-2.450	-0.040	2.200	3.830	18	140	-0.090	30	241	-3.730	54	23	3.780	22	193	38	-144	73	69	-58	4.3
S201207272312A	2012-07-27	23:12:22	44.19	17.92	2.0	0.110	-0.950	0.840	-0.530	-0.040	0.940	1.300	13	115	0.190	69	241	-1.490	17	22	1.390	23	159	69	-177	68	87	-21	4.7
S201207300901A	2012-07-30	09:01:17	44.18	17.91	2.0	-0.580	-0.990	1.570	-2.980	-0.420	2.920	4.400	25	131	0.030	46	250	-4.430	34	24	4.410	22	171	47	-172	76	84	-44	4.3
S201208031957A	2012-08-03	19:57:27	43.98	16.77	20.0	-0.600	-3.160	3.760	-0.020	-0.060	4.840	6.250	1	117	-0.600	89	315	-5.650	0	207	5.950	22	252	89	0	162	90	179	4.4
S201208120121A	2012-08-12	01:21:36	41.77	16.27	8.4	0.850	-0.690	-0.160	-0.120	0.590	-1.270	1.410	45	236	0.340	44	43	-1.750	6	140	1.580	22	267	55	149	16	65	39	4.0
S201208130730A	2012-08-13	07:30:51	38.52	13.73	26.5	1.260	-0.340	-0.930	-1.200	-0.940	-0.920	1.970	64	158	0.250	11	45	-2.230	23	310	2.100	22	19	24	63	229	69	102	4.1
S201208282312A	2012-08-28	23:12:15	38.25	15.71	45.4	-0.110	0.230	-0.120	0.840	0.550	-0.020	1.030	41	336	0.000	9	238	-1.020	47	137	1.030	23	130	10	-18	237	87	-99	4.6
S201209042243A	2012-09-04	22:43:43	41.10	19.93	10.0	-0.090	1.450	-1.370	1.120	0.470	2.510	3.340	19	330	-0.500	70	139	-2.850	4	239	3.100	22	13	74	169	106	79	17	4.2
S201209220615A	2012-09-22	06:15:57	40.15	20.83	10.0	0.020	-0.980	0.960	0.480	0.110	-1.920	2.150	4	58	0.100	78	308	-2.260	12	149	2.200	23	193	79	-5	284	85	-169	4.8
S201209290039A	2012-09-29	00:39:44	38.52	14.81	249.0	-1.620	2.520	-0.900	-5.470	0.860	3.070	6.870	30	162	-0.340	30	271	-6.530	45	36	6.700	22	200	31	-164	96	82	-60	4.4
S201210030920A	2012-10-03	09:20:43	44.57	7.21	10.0	-1.110	0.030	1.080	0.180	-0.390	-0.470	1.330	10	69	-0.150	1	339	-1.180	80	241	1.260	22	161	35	-88	338	55	-92	4.0
S201210031441A	2012-10-03	14:41:30	44.85	9.77	30.0	-0.150	-0.660	0.820	0.050	-0.030	-0.230	0.850	2	81	-0.150	85	330	-0.700	5	171	0.780	23	216	85	-2	306	88	-175	4.5
S201210161510A	2012-10-16	15:10:59	39.74	15.59	270.0	-1.170	1.430	-0.260	0.370	-1.270	0.360	1.510	4	351	0.630	36	83	-2.140	54	256	1.820	23	49	52	-138	290	58	-46	4.7
S201210231520A	2012-10-23	15:20:44	38.97	20.62	15.0	-0.250	0.720	-0.470	-0.700	-0.350	2.600	2.980	13	142	-0.420	76	304	-2.550	4	51	2.760	23	186	78	173	277	84	12	4.9
S201210252305A	2012-10-25	23:05:24	39.88	16.01	15.0	-1.040	0.100	0.950	0.130	-0.150	-0.420	1.130	5	68	-0.070	4	337	-1.060	84	211	1.100	24	162	40	-84	334	50	-95	5.3
S201211122318A	2012-11-12	23:18:42	42.54	19.07	18.0	0.790	-0.660	-0.130	0.340	-0.060	0.340	0.860	77	355	0.020	6	114	-0.890	11	205	0.880	23	303	34	101	110	56	82	4.5
S201211130706A	2012-11-13	07:06:33	38.27	15.84	76.0	-3.390	-1.420	4.810	-2.000	-0.370	-0.320	4.840	2	88	-0.180	32	179	-4.660	58	355	4.750	22	149	51	-133	25	55	-50	4.3
C201211132324A	2012-11-13	23:24:10	42.55	19.02	17.0	7.000	-4.190	-2.810	-0.610	-0.610	4.790	7.130	82	133	1.210	8	311	-8.340	0	41	7.730	22	139	45	102	303	46	78	4.5
S201211220910A	2012-11-22	09:10:41	37.80	14.96	10.0	0.580	0.060	-0.640	-0.810	0.690	-1.540	2.050	36	219	-0.190	54	37	-1.870	1	128	1.960	22	258	65	154	359	66	28	4.1
S201211221125A	2012-11-22	11:25:52	37.77	14.99	20.0	0.840	-0.340	-0.500	-1.250	0.580	-1.930	2.540	38	220	-0.110	50	58	-2.420	9	317	2.480	22	6	57	23	263	71	145	4.2
S201212132139A	2012-12-13	21:39:27	41.13	19.73	10.0	0.180	0.690	-0.880	-0.060	-0.740	1.720	1.920	15	145	0.220	69	11	-2.140	15	239	2.030	22	282	69	0	192	90	159	4.1
S201301040750A	2013-01-04	07:50:06	37.81	14.80	10.0	-3.790	3.870	-0.070	-2.260	-0.280	-1.110	4.700	14	192	-0.210	10	100	-4.480	72	335	4.590	22	297	32	-70	94	60	-102	4.3
S201301251448A	2013-01-25	14:48:18	44.17	10.45	15.0	-1.390	3.760	-2.370	-0.300	1.180	-2.400	4.660	6	200	-1.000	64	303	-3.660	25	107	4.160	23	246	68	-167	151	78	-22	5.0
S201302021335A	2013-02-02	13:35:34	46.51	14.66	10.0	4.690	-4.210	-0.480	-0.770	1.720	2.560	5.210	73	270	0.520	15	121	-5.720	8	28	5.470	22	102	39	66	311	55	108	4.4
S201302040429A	2013-02-04	04:29:46	43.63	16.35	10.0	1.750	-1.700	-0.050	-0.260	-0.750	0.580	2.070	68	108	-0.190	22	287	-1.880	0	17	1.980	22	128	49	120	267	50	60	4.1
C201302162116A	2013-02-16	21:16:09	41.71	13.58	11.0	-2.850	0.690	2.170	0.890	0.730	-1.450	3.060	2	239	0.220	20	330	-3.280	70	145	3.170	23	309	47	-118	168	50	-63	4.9
S201302170312A	2013-02-17	03:12:54	37.32	20.72	10.0	4.110	-3.150	-0.960	2.560	-0.850	3.550	4.940	71	350	1.460	13	122	-6.400	14	215	5.670	23	323	33	115	114	60	75	5.1
S201302210554A	2013-02-21	05:54:37	36.88	20.32	10.0	-0.510	0.450	0.060	-0.520	0.040	0.870	1.240	13	144	-0.260	45	247	-0.970	42	42	1.100	23	192	51	-156	87	72	-42	4.6
S201303241547A	2013-03-24	15:47:22	37.76	16.50	30.0	-0.250	0.510	-0.260	-0.060	0.040	-0.780	1.000	3	212	-0.250	87	23	-0.740	0	122	0.870	23	257	87	178	347	88	3	4.5
S201303250720A	2013-03-25	07:20:58	41.84	20.07	13.0	-1.250	-2.210	3.460	1.380	-0.120	1.450	3.820	2	284	-0.390	58	18	-3.420	32	193	3.620	22	333	66	-158	234	70	-26	4.3
S201304222228A	2013-04-22	22:28:47	47.69	20.34	10.0	0.890	-0.380	-0.510	0.100	0.190	0.480	0.940	77	309	-0.010	13	140	-0.930	2	49	0.940	23	126	44	72	331	49	107	4.5
S201304230047A	2013-04-23	00:47:30	38.39	20.57	2.0	0.870	4.730	-5.600	-2.210	2.990	5.110	6.990	10	160	2.030	67	275	-9.020	20	66	8.000	22	205	69	-172	112	83	-22	4.5
S201305190907A	2013-05-19	09:07:27	36.76	5.18	2.0	-2.350	-4.440	6.790	-2.060	-0.360	4.580	8.520	6	110	-1.700	67	213	-6.820	22	18	7.670	23	156	70	-168	62	78	-20	5.1
S201305231409A	2013-05-23	14:09:05	38.66	20.45	2.0	0.900	0.400	-1.300	0.620	-0.710	0.590	1.350	60	14	0.410	23	151	-1.770	18	250	1.560	23	12	34	135	141	67	65	4.7
S201305261600A	2013-05-26	16:00:56	36.71	5.19	12.0	0.520	-1.150	0.630	-0.530	-0.800	-0.940	1.430	37	78	0.410	47	221	-1.840	20	333	1.630	23	110	49	166	209	79	42	4.7
S201306020247A	2013-06-02	02:47:57	34.95	19.40	10.0	0.580	-0.350	-0.230	-0.530	1.230	-2.790	3.130	26	228	0.020	62	29	-3.150	8	134	3.140	22	268	66	166	4	77	25	4.2
S201306130544A	2013-06-13	05:44:52	43.58	13.87	6.0	1.280	-0.300	-0.980	-1.020	0.800	1.030	1.810	66	197	0.370	12	317	-2.180	20	51	1.990	22	161	27	117	311	66	77	4.1
S201306162005A	2013-06-16	20:05:00	45.78	14.83	10.0	0.880	-0.770	-0.110	0.120	-0.020	-0.020	0.890	86	17	-0.110	1	268	-0.780	4	178	0.830	22	267	41	88	90	49	92	3.8
S201306211033A	2013-06-21	10:33:57	44.15	10.14	5.1	-0.910	1.170	-0.250	-0.760	0.860	-0.060	1.480	21	193	0.150	25	293	-1.630	56	67	1.560	24	247	32	-141	123	71	-64	5.4
S201306211212A	2013-06-21	12:12:39	44.16	10.15	10.0	-3.350	2.530	0.820	-1.200	-1.710	-1.660	3.550	1	211	0.840	26	120	-4.390	64	303	3.970	22	325	49	-54	97	52	-124	4.3
S201306220841A	2013-06-22	08:41:08	40.21	19.58	10.0	2.880	0.600	-3.480	-0.230	-4.580	1.190	5.400	60	109	0.620	12	357	-6.010	27	261	5.700	22	324	21	55	181	73	102	4.4
S201306231501A	2013-06-23	15:01:33	44.18	10.21	9.5	-0.870	0.940	-0.070	-0.480	0.580	0.000	1.080	16	189	0.180	22	285	-1.260	62	66	1.170	23	249	35	-132	117	65	-65	4.6
S201306301440A	2013-06-30	14:40:08	44.17	10.20	9.8	-1.220	1.260	-0.030	-1.360	0.300	-0.280	1.930	24	192	-0.090	0	282	-1.830	66	13	1.880	23	281	21	-91	102	69	-90	4.7
S201307210132A	2013-07-21	01:32:24	43.53	13.74	10.0	5.120	-3.200	-1.930	-0.400	2.350	4.850	5.990	67	293	1.730	22	136	-7.730	8	43	6.860	23	109	41	56	331	57	116	5.1
S201307210307A	2013-07-21	03:07:25	43.51	13.73	10.0	1.770	-1.620	-0.150	-1.030	-0.090	1.430	2.180	65	144	0.470	22	295	-2.650	11	29	2.420	22	144	39	126	281	59	64	4.1
S201307301258A	2013-07-30	12:58:33	45.14	15.09	20.0	0.310	-0.930	0.620	-0.140	-0.220	-0.480	0.820	20	76	0.280	68	232	-1.100	8	343	0.960	23	118	70	171	211	82	20	4.5
S201308090419A	2013-08-09	04:19:23	39.35	20.47	10.0	1.060	-0.560	-0.490	0.030	0.640	0.870	1.360	63	296	0.130	24	141	-1.480	10	47	1.420	23	110	41	51	337	59	119	4.7
S201308152304A	2013-08-15	23:04:59	38.15	14.91	10.0	-0.140	-0.200	0.340	1.080	0.520	0.140	1.180	41	318	0.110	14	61	-1.300	46	166	1.240	23	341	14	-170	242	88	-76	4.6
S201308152306A	2013-08-15	23:06:51	38.17	14.92	10.0	-0.430	-0.090	0.520	1.570	0.960	0.250	1.870	38	316	0.100	12	55	-1.970	50	159	1.920	23	353	13	-153	236	84	-78	4.7
S201308220644A	2013-08-22	06:44:52	43.58	13.69	10.0	5.260	-1.880	-3.380	-2.030	2.430	2.650	6.130	75	228	0.120	1	322	-6.250	15	53	6.190	22	144	30	93	321	60	89	4.4
S201308241718A	2013-08-24	17:18:18	36.71	15.00	10.0	5.080	-5.210	0.130	-1.750	-0.560	0.950	5.460	77	142	0.160	9	277	-5.620	9	8	5.540	22	109	37	105	271	54	79	4.4
S201309020114A	2013-09-02	01:14:14	39.51	15.40	326.0	-1.280	0.640	0.640	-0.590	-5.890	-4.390	7.180	29	59	0.520	36	173	-7.700	40	301	7.440	22	96	37	-170	357	84	-53	4.5
S201309091118A	2013-09-09	11:18:57	37.83	20.22	10.0	-0.790	-0.720	1.510	1.270	-1.680	0.490	2.410	29	86	0.230	29	338	-2.630	47	212	2.520	22	225	31	-20	333	80	-119	4.2
S201309091735A	2013-09-09	17:35:16	38.03	20.77	22.0	0.340	0.170	-0.510	0.530	-0.260	0.900	0.960	30	334	0.340	54	116	-1.300	18	233	1.130	23	10	55	170	105	82	35	4.6
S201309200206A	2013-09-20	02:06:33	47.94	16.51	10.0	-2.340	1.540	0.810	4.740	-3.740	0.860	5.290	38	29	1.880	6	124	-7.160	51	222	6.230	22	81	9	-133	305	83	-84	4.4
S201310181508A	2013-10-18	15:08:32	35.61	10.98	10.0	-0.090	-0.570	0.660	0.140	-0.900	-1.150	1.740	25	62	-0.370	58	201	-1.370	18	323	1.560	23	101	58	175	194	86	32	4.7
S201310211937A	2013-10-21	19:37:03	35.60	10.93	10.0	0.140	-0.460	0.320	1.840	-2.410	-5.960	7.190	23	47	-1.130	67	219	-6.060	3	316	6.630	22	89	71	165	184	76	19	4.4
S201311180758A	2013-11-18	07:58:41	43.66	16.86	10.0	4.310	-4.210	-0.100	-1.610	0.970	1.020	4.730	77	226	0.070	7	106	-4.800	11	15	4.770	22	96	34	78	290	57	98	4.3
S201311181315A	2013-11-18	13:15:03	42.89	21.00	10.0	-1.830	2.130	-0.300	-1.500	0.730	2.990	4.260	8	148	-0.690	48	247	-3.570	41	51	3.920	22	198	56	-154	92	69	-37	4.3
S201311211036A	2013-11-21	10:36:49	44.91	9.00	10.0	0.840	-0.750	-0.090	-0.420	0.900	0.050	1.440	59	253	-0.450	19	128	-0.990	24	30	1.220	22	86	27	44	315	72	110	3.9
S201312101833A	2013-12-10	18:33:07	42.43	19.27	13.0	0.810	-1.380	0.570	-0.820	-0.320	3.080	3.070	18	128	0.610	71	288	-3.690	6	36	3.380	22	170	73	171	263	82	18	4.2
S201312150357A	2013-12-15	03:57:33	36.67	14.94	15.0	1.200	-0.900	-0.300	0.270	-1.080	-1.240	2.020	53	61	-0.070	36	221	-1.950	9	318	1.990	22	83	47	143	200	63	49	4.1
S201312221006A	2013-12-22	10:06:35	43.38	12.52	10.0	-1.870	0.680	1.180	2.300	-1.000	-0.880	2.950	26	41	0.310	12	305	-3.270	60	192	3.110	22	158	22	-54	301	73	-103	4.2
S201312290654A	2013-12-29	06:54:58	43.12	17.30	10.0	3.170	-2.150	-1.010	-0.250	-1.290	1.670	3.630	70	113	-0.220	19	309	-3.390	5	217	3.510	22	288	43	62	144	53	114	4.3
C201312291708A	2013-12-29	17:08:43	41.37	14.45	11.0	-6.410	3.790	2.620	-0.790	-2.210	-3.420	6.730	4	41	0.430	18	133	-7.160	72	300	6.940	23	113	44	-116	327	51	-67	5.1
S201401140343A	2014-01-14	03:43:42	38.37	14.92	12.0	-0.160	-1.610	1.770	0.060	0.540	0.030	1.910	15	271	-0.300	75	82	-1.610	2	180	1.760	22	315	78	171	46	81	12	4.1
S201401140435A	2014-01-14	04:35:00	38.36	14.94	11.0	1.010	-2.450	1.430	1.100	0.900	-0.180	2.210	42	280	0.590	43	67	-2.810	17	174	2.510	22	308	47	159	52	75	45	4.2
S201401200600A	2014-01-20	06:00:15	41.39	19.48	10.0	0.850	-0.190	-0.660	0.590	-0.570	0.180	1.220	65	35	-0.200	10	147	-1.030	23	241	1.120	23	351	24	115	143	68	79	4.6
S201401200712A	2014-01-20	07:12:40	41.36	14.45	11.0	-3.680	2.330	1.350	2.720	-0.280	-1.400	4.100	18	29	0.640	12	295	-4.740	68	174	4.420	22	137	29	-65	289	64	-103	4.3
S201401261355A	2014-01-26	13:55:43	38.19	20.41	18.0	0.990	0.840	-1.830	0.880	-0.480	1.650	2.020	33	341	0.780	54	135	-2.800	12	243	2.410	25	17	57	164	116	76	34	6.1
S201401261459A	2014-01-26	14:59:24	38.33	20.29	10.0	-0.300	0.970	-0.670	-0.670	0.410	-0.010	1.270	24	186	-0.260	41	299	-1.010	39	74	1.140	23	227	43	-167	127	81	-48	4.6
C201401261845A	2014-01-26	18:45:09	38.33	20.27	10.0	1.340	0.200	-1.550	1.270	-0.650	0.320	2.200	58	11	-0.320	26	151	-1.890	18	250	2.050	24	14	35	139	140	68	62	5.4

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
S201401261903A	2014-01-26	19:03:07	38.21	20.22	10.0	0.030	1.160	-1.200	3.360	0.850	3.360	5.510	31	329	-1.390	49	104	-4.130	24	224	4.820	22	4	49	174	98	85	41	4.3
S201401261906A	2014-01-26	19:06:40	43.28	19.96	10.0	2.130	-2.520	0.390	-1.480	1.590	7.920	7.000	3	309	2.510	79	201	-9.520	10	40	8.260	22	84	80	-5	175	85	-170	4.5
S201401261912A	2014-01-26	19:12:04	38.25	20.31	10.0	0.800	0.040	-0.840	0.770	-0.030	0.420	1.300	56	350	-0.230	31	144	-1.070	12	242	1.180	23	5	43	139	127	64	55	4.6
S201401262115A	2014-01-26	21:15:34	38.14	20.26	10.0	0.390	1.060	-1.450	0.220	-0.050	0.750	1.310	12	345	0.360	78	151	-1.660	3	254	1.490	23	29	79	174	120	84	11	4.7
S201401262306A	2014-01-26	23:06:54	38.17	20.31	10.0	4.770	-0.710	-4.060	2.730	0.310	0.850	5.930	67	351	-1.660	23	163	-4.280	3	255	5.110	22	7	47	122	144	52	60	4.4
S201401270947A	2014-01-27	09:47:38	38.16	20.31	10.0	1.880	1.280	-3.160	-1.320	-1.660	3.440	4.600	36	148	0.540	53	343	-5.140	7	243	4.870	22	292	59	23	190	71	147	4.4
S201401271305A	2014-01-27	13:05:50	38.27	20.32	10.0	0.040	0.650	-0.700	-0.030	-0.010	0.610	0.890	2	159	0.040	88	345	-0.930	0	249	0.910	23	294	88	1	204	89	178	4.5
S201401271539A	2014-01-27	15:39:34	38.37	20.36	10.0	0.680	3.040	-3.720	-1.030	-1.310	4.530	5.760	17	152	0.310	72	354	-6.070	6	244	5.920	22	289	74	8	197	83	164	4.4
S201401280512A	2014-01-28	05:12:54	38.24	20.37	10.0	1.430	-0.400	-1.030	1.640	0.680	2.430	3.290	43	323	-0.050	46	128	-3.240	8	226	3.270	22	355	55	152	102	68	39	4.2
S201401281912A	2014-01-28	19:12:11	38.41	20.40	10.0	-0.020	2.280	-2.260	-0.150	-2.120	4.770	5.590	13	146	0.200	68	19	-5.790	17	240	5.690	22	282	68	-3	13	87	-158	4.4
S201401282222A	2014-01-28	22:22:38	38.42	20.35	10.0	0.230	3.460	-3.690	0.520	0.770	6.390	7.300	7	329	0.150	83	174	-7.460	3	60	7.380	22	105	83	3	14	87	173	4.5
S201401301106A	2014-01-30	11:06:18	38.43	20.39	10.0	-0.070	0.650	-0.580	-0.340	0.060	1.390	1.590	9	148	-0.070	77	280	-1.520	10	56	1.560	23	192	77	-179	102	89	-13	4.7
S201401310652A	2014-01-31	06:52:47	38.43	20.37	10.0	-0.220	3.240	-3.020	-0.120	-1.030	4.670	5.790	6	151	-0.140	79	29	-5.650	9	242	5.720	22	287	80	-2	17	88	-170	4.4
S201401311245A	2014-01-31	12:45:40	38.44	20.35	10.0	-0.810	4.660	-3.850	1.350	-0.980	7.070	8.710	4	331	-0.550	78	81	-8.160	12	240	8.430	22	16	79	-175	285	85	-11	4.5
C201402011633A	2014-02-01	16:33:40	38.18	20.36	10.0	0.940	1.560	-2.500	-0.310	-0.140	2.740	3.000	9	153	0.890	81	332	-3.880	0	63	3.440	23	198	83	173	289	83	7	4.9
C201402030308A	2014-02-03	03:08:45	38.26	20.32	10.0	0.740	0.340	-1.080	1.370	-1.390	1.070	1.990	54	17	0.710	19	136	-2.700	29	237	2.340	25	9	24	145	131	77	70	6.1
S201402041942A	2014-02-04	19:42:12	38.29	20.27	10.0	4.680	-0.640	-4.040	-0.930	-0.540	0.500	4.880	79	158	-0.750	10	353	-4.130	3	263	4.510	22	342	43	75	182	49	104	4.3
S201402061227A	2014-02-06	12:27:15	37.89	21.00	10.0	0.580	-0.280	-0.300	2.610	-1.190	2.020	2.870	44	345	1.090	29	109	-3.960	31	219	3.420	22	2	30	166	105	83	60	4.2
S201402061921A	2014-02-06	19:21:01	38.19	20.28	10.0	0.960	0.150	-1.110	0.490	-0.190	0.320	1.190	65	2	0.040	23	160	-1.230	8	254	1.210	23	9	42	126	144	57	62	4.6
S201402070326A	2014-02-07	03:26:42	38.35	20.33	10.0	1.610	-0.260	-1.360	0.680	-0.310	-0.340	1.880	70	21	-0.430	20	193	-1.460	2	284	1.670	22	34	46	118	176	51	64	4.0
S201402081712A	2014-02-08	17:12:50	38.21	20.35	10.0	1.160	-0.930	-0.230	0.240	0.640	1.100	1.590	57	301	0.150	33	130	-1.750	4	37	1.670	22	98	50	45	334	57	130	4.0
S201402090823A	2014-02-09	08:23:02	38.28	20.29	10.0	0.260	0.960	-1.220	-0.760	0.390	-0.190	1.500	33	189	-0.180	53	341	-1.310	14	90	1.410	23	225	56	165	323	77	35	4.7
S201402140338A	2014-02-14	03:38:34	38.21	20.26	10.0	0.390	1.370	-1.760	-0.070	-0.660	1.430	1.980	11	157	0.460	74	25	-2.440	12	250	2.210	23	293	74	0	23	90	-164	4.8
C201402150731A	2014-02-15	07:31:18	38.31	20.34	10.0	2.860	0.140	-3.000	1.120	-0.400	0.630	3.270	70	4	-0.080	18	165	-3.190	6	257	3.230	23	7	42	118	151	54	67	4.9
S201402211518A	2014-02-21	15:18:23	38.22	20.42	13.0	-1.190	0.960	0.230	1.170	-0.310	0.720	1.680	18	337	0.180	23	75	-1.870	60	213	1.780	22	35	34	-136	266	67	-65	4.1
S201403051249A	2014-03-05	12:49:21	38.15	20.26	10.0	-0.450	2.410	-1.970	0.490	-1.040	0.150	2.490	10	0	0.020	61	108	-2.520	27	265	2.510	23	46	64	-167	310	78	-27	4.8
S201403051508A	2014-03-05	15:08:44	38.09	20.21	10.0	0.590	0.440	-1.030	0.670	0.650	2.400	2.630	24	323	0.180	66	149	-2.810	2	54	2.720	22	101	71	16	6	75	161	4.2
S201403081506A	2014-03-08	15:06:32	41.51	19.44	10.0	2.800	-1.140	-1.660	-0.040	-1.110	-0.690	3.060	76	83	-0.750	8	209	-2.320	11	301	2.690	22	41	35	104	204	56	80	4.2
S201403081512A	2014-03-08	15:12:32	41.48	19.43	10.0	1.840	1.020	-2.860	1.270	-1.870	1.070	2.940	60	23	1.000	21	154	-3.930	21	252	3.440	22	15	31	135	145	69	67	4.2
S201403102327A	2014-03-10	23:27:50	38.20	20.34	15.0	1.520	0.680	-2.190	1.820	1.120	2.370	3.920	42	330	-0.380	48	152	-3.530	1	61	3.720	22	114	61	31	7	63	147	4.3
S201404051024A	2014-04-05	10:24:46	38.82	17.18	64.0	-0.580	0.250	0.330	0.100	-0.780	-1.560	2.010	14	48	-0.480	57	160	-1.530	29	310	1.770	23	92	59	-168	356	80	-32	4.7
C201404071926A	2014-04-07	19:26:59	44.47	6.69	5.0	-2.680	-0.340	3.020	-0.380	0.890	0.940	3.360	7	284	-0.440	14	192	-2.920	74	41	3.140	23	29	40	-68	181	54	-107	4.9
C201404220858A	2014-04-22	08:58:26	45.61	14.18	25.0	0.080	-0.800	0.720	0.030	-0.220	0.740	1.060	11	112	0.050	78	318	-1.110	5	203	1.080	23	248	78	4	157	86	168	4.6
S201405070620A	2014-05-07	06:20:06	37.75	19.78	10.0	0.660	-0.110	-0.550	1.480	-0.910	-3.520	4.050	27	42	-0.170	63	234	-3.890	5	134	3.970	22	181	68	16	85	75	157	4.3
S201405120054A	2014-05-12	00:54:33	39.76	20.27	4.0	0.050	0.260	-0.310	2.920	-1.940	0.330	3.450	46	27	0.170	6	123	-3.610	44	220	3.530	23	24	7	171	123	89	84	4.9
S201405190059A	2014-05-19	00:59:20	40.94	19.81	10.0	0.610	-3.780	3.170	-1.570	2.440	1.090	4.650	31	271	0.080	51	134	-4.720	22	15	4.690	23	56	51	7	321	84	141	5.0
S201405200443A	2014-05-20	04:43:26	40.92	19.86	2.0	0.870	-3.740	2.870	-0.270	1.040	2.310	3.880	17	286	0.650	72	127	-4.530	6	18	4.200	22	63	74	8	331	82	163	4.3
S201406061341A	2014-06-06	13:41:38	39.90	16.09	10.0	-2.390	0.260	2.120	2.470	-1.430	-0.660	3.300	24	57	0.690	17	319	-4.000	60	198	3.650	22	178	26	-48	313	71	-108	4.3
S201408040554A	2014-08-04	05:54:01	38.71	15.69	171.0	0.660	-0.360	-0.300	-0.100	-1.560	-0.070	1.810	54	92	-0.350	3	185	-1.470	36	277	1.640	22	22	9	107	185	81	87	4.0
S201408281749A	2014-08-28	17:49:20	45.67	10.70	10.0	0.960	-0.590	-0.360	0.180	-0.440	-0.580	1.160	66	59	-0.090	23	227	-1.070	4	319	1.120	22	72	45	123	209	54	61	3.9
S201408301816A	2014-08-30	18:16:47	44.43	16.25	20.0	-0.160	-0.110	0.260	0.020	-0.340	2.110	2.220	6	132	-0.150	81	5	-2.070	7	223	2.150	22	267	81	-1	358	89	-171	4.1
S201409051010A	2014-09-05	10:10:19	39.19	18.76	10.0	-1.310	0.640	0.670	-0.790	-0.160	-0.650	1.390	10	220	0.270	21	126	-1.650	67	336	1.520	22	334	39	-56	113	59	-115	4.0
S201409070956A	2014-09-07	09:56:25	37.61	19.88	10.0	0.780	-0.290	-0.490	0.330	-0.230	0.490	0.880	75	17	0.100	8	138	-0.980	12	229	0.930	23	329	33	104	133	58	81	4.5
S201409071045A	2014-09-07	10:45:01	44.11	10.66	12.0	-3.800	1.170	2.630	-2.000	-4.070	-1.800	4.790	22	75	1.840	23	175	-6.630	58	306	5.710	22	130	31	-139	3	70	-66	4.4
S201409262338A	2014-09-26	23:38:11	36.78	16.50	40.0	-0.270	0.270	0.000	-0.580	0.690	-2.070	2.500	18	224	-0.550	72	30	-1.950	4	132	2.220	22	267	75	170	359	80	16	4.1
S201409301512A	2014-09-30	15:12:41	43.06	18.35	10.0	-2.790	0.840	1.940	1.150	0.790	1.450	3.230	12	306	-0.080	9	38	-3.150	75	162	3.190	22	25	33	-106	224	58	-80	4.2
S201410092258A	2014-10-09	22:58:28	38.51	14.85	10.0	1.600	-1.760	0.160	-0.340	0.130	-0.240	1.650	81	225	0.170	7	84	-1.820	5	354	1.730	22	76	40	80	270	51	99	4.1
S201411051422A	2014-11-05	14:22:24	38.10	20.35	10.0	-0.240	-0.040	0.280	-2.450	1.300	5.290	5.530	9	136	0.820	65	245	-6.350	24	42	5.940	22	182	67	-169	87	80	-23	4.4
S201411070741A	2014-11-07	07:41:39	38.15	20.40	10.0	1.520	-0.860	-0.660	-0.810	-1.470	2.080	3.070	47	129	-0.170	42	322	-2.890	6	226	2.980	23	279	53	33	168	64	139	4.9
C201411082315A	2014-11-08	23:15:42	38.15	20.33	10.0	2.110	-0.570	-1.540	1.190	0.360	5.230	4.690	24	319	1.650	66	129	-6.340	4	227	5.520	23	1	71	165	95	76	20	5.1
S201411120631A	2014-11-12	06:31:38	38.30	20.46	10.0	1.610	0.470	-2.080	1.040	-0.090	1.710	2.400	50	340	0.600	39	146	-3.000	7	242	2.700	22	7	51	144	122	63	45	4.2
S201411130937A	2014-11-13	09:37:53	38.44	20.33	10.0	0.360	0.560	-0.930	-0.050	-0.020	0.850	0.950	5	156	0.360	85	336	-1.310	0	246	1.130	23	291	86	4	200	86	176	4.6
S201411240720A	2014-11-24	07:20:32	38.34	20.35	10.0	2.250	0.660	-2.910	0.560	-0.050	0.860	2.440	71	352	0.680	19	166	-3.110	2	257	2.770	22	5	46	116	150	50	65	4.2
S201412112224A	2014-12-11	22:24:22	38.42	20.39	25.0	-0.800	-0.880	1.690	-0.590	-0.280	-0.200	1.730	6	87	-0.260	46	183	-1.470	43	352	1.600	23	139	57	-150	31	65	-37	4.7
S201412141433A	2014-12-14	14:33:31	40.46	15.17	307.0	-3.470	3.580	-0.110	-1.000	0.440	-1.820	4.480	8	202	-0.850	1	292	-3.620	82	26	4.050	22	292	37	-91	113	53	-89	4.3
S201412190939A	2014-12-19	09:39:41	43.60	11.25	10.0	-0.810	1.590	-0.780	-0.280	-0.230	-2.120	2.840	2	210	-0.720	75	113	-2.110	15	301	2.480	22	345	78	-9	76	81	-168	4.2
S201412191036A	2014-12-19	10:36:32	43.66	11.13	10.0	-2.240	2.420	-0.190	-1.460	-0.470	-3.390	4.880	8	213	-1.230	46	115	-3.650	43	310	4.260	22	342	55	-28	89	67	-141	4.3
S201412241140A	2014-12-24	11:40:12	41.65	14.91	20.0	2.240	-2.320	0.080	0.410	-1.320	-1.780	3.130	57	66	0.150	33	239	-3.280	3	331	3.200	22	91	51	134	214	56	49	4.2
S201412282143A	2014-12-28	21:43:38	39.29	16.36	11.0	-0.790	-0.070	0.860	0.410	-0.060	0.160	0.880	0	279	0.100	25	10	-0.980	65	189	0.930	23	346	50	-124	212	50	-57	4.5
C201412292034A	2014-12-29	20:34:13	41.66	19.23	10.0	1.470	-0.440	-1.030	0.680	-0.520	0.910	1.710	74	20	0.190	8	140	-1.900	14	232	1.800	23	334	32	106	135	59	80	4.7
S201501300045A	2015-01-30	00:45:49	46.41	13.14	10.0	-0.060	-0.750	0.810	0.470	1.430	-0.070	1.890	37	276	-0.490	23	25	-1.400	44	140	1.640	22	305	24	-171	207	86	-67	4.0
S201502060852A	2015-02-06	08:52:26	38.74	15.22	274.0	-1.750	0.740	1.020	-0.830	-0.100	1.050	2.050	10	134	-0.020	16	226	-2.020	71	14	2.030	23	205	38	-117	57	57	-71	4.8
S201502280316A	2015-02-28	03:16:17	41.98	13.53	17.0	-4.350	2.170	2.190	-1.320	0.170	-2.490	4.790	7	224	-0.160	10	133	-4.620	78	346	4.710	22	326	39	-73	125	53	-103	4.3
S201502280824A	2015-02-28	08:24:24	43.64	18.42	10.0	-1.150	0.340	0.810	0.670	-0.190	1.210	1.840	6	311	-0.230	34	45	-1.600	56	212	1.720	22	10	49	-137	248	59	-50	4.0
S201503040000A	2015-03-04	00:00:04	43.60	11.18	10.0	-0.170	0.080	0.090	0.020	-1.070	-0.790	1.350	31	58	-0.030	36	173	-1.320	39	299	1.340	22	93	36	-172	356	85	-54	4.0
S201503082047A	2015-03-08	20:47:26	44.07	19.88	10.0	-0.580	-0.720	1.290	-1.610	-0.490	7.630	8.210	9	132	-0.690	78	272	-7.530	7	41	7.870	22	176	78	179	266	89	12	4.5
S201504010733A	2015-04-01	07:33:53	44.33	16.41	10.0	0.250	-2.220	1.970	-1.610	-1.140	-0.550	2.550	28	94	0.660	48	221	-3.210	28	347	2.880	22	130	48	179	221	90	42	4.2
S201504120005A	2015-04-12	00:05:31	43.76	18.56	2.0	-0.080	-1.880	1.970	-0.550	-0.430	0.890	2.290	13	104	-0.110	72	239	-2.170	12	11	2.230	22	147	72	180	237	90	18	4.1
S201504151657A	2015-04-15	16:57:02	38.88	15.49	256.0	-1.620	-1.340	2.960	-1.810	-1.930	-0.080	3.730	22	97	-0.090	32	202	-3.640	50	339	3.690	22	145	37	-153	32	74	-56	4.3
S201505090822A	2015-05-09	08:22:42	38.58	15.38	212.0	-0.800	0.500	0.310	-0.930	-0.200	-0.040	0.990	28	174	0.320	4	82	-1.310	62	345	1.150	23	274	17	-77	81	73	-94	4.6
S201505110826A	2015-05-11	08:26:32	37.33	16.80	40.0	2.970	-1.530	-1.440	2.480	-0.810	-6.610	6.640	33	42	1.590	56	236	-8.230	6	136	7.430	22	184	62	20	85	72	151	4.5
S201505211531A	2015-05-21	15:31:18	37.68	19.85	15.0	-0.440	3.470	-3.020	-1.440	0.160	2.180	4.500	15	164	-0.700	71	308	-3.790	10	71	4.140	22	207	72	177	298	87	18	4.3
S201505220631A	2015-05-22	06:31:16	37.67	19.84	10.0	0.190	1.830	-2.020	-0.390	0.130	1.500	2.390	8	161	0.160	80	309	-2.560	5	71	2.480	22	206	80	178	296	88	10	4.2
S201505291307A	2015-05-29	13:07:57	42.92	14.30	10.0	1.000	-0.330	-0.670	0.340	0.240	0.270	1.130	72	327	-0.310	18	153	-0.820	2	62	0.970	23	135	46	65	349	49	114	4.5
S201507221257A	2015-07-22	12:57:44	44.16	10.89	10.0	-0.280	0.330	-0.050	-0.610	-0.130	-0.780	1.070	18	213	-0.060	48	102	-1.020	36	317	1.040	22	349	51	-15	88	79	-140	3.9
S201508020658A	2015-08-02	06:58:06	39.34	15.69	240.0	-0.860	2.100	-1.250	-0.880	-0.410	-1.500	2.800	11	199	-0.600	59	91	-2.210	29	295	2.510	22	334	62	-14	70	78	-151	4.2
S201508030727A	2015-08-03	07:27:48	39.16	16.53	26.0	-2.890	1.540	1.350	-0.070	-1.090	1.790	3.340	8	135	-0.160	14	43	-3.180	74	252	3.260	22	241	40	-67	33	54	-108	4.2
S201508082246A	2015-08-08	22:46:24	38.55	14.26	14.0	-0.180	0.500	-0.320	-0.110	-0.190	-1.300	1.460	1	36	-0.140	79	131	-1.310	11	306	1.380	22	82	82	-173	351	83	-8	4.0
S201508291847A	2015-08-29	18:47:04	46.31	13.58	7.0	0.440	-1.220	0.780	0.110	0.360	0.230	1.040	32	278	0.210	58	92	-1.250	2	186	1.140	22	317	66	158	56	70	26	3.9
S201508292025A	2015-08-29	20:25:14	38.39	12.14	10.0	3.000	-3.060	0.060	-2.990	-0.100	-1.390	4.270	66	195	0.390	12	78	-4.660	21	343	4.470	22	53	26	63	263	67	103	4.3
S201509130104A	2015-09-13	01:04:35	43.62	11.16	5.0	-0.420	0.320	0.100	-0.740	0.160	-1.070	1.520	19	219	-0.380	49	105	-1.130	35	323	1.320	22	356	51	-13	94	80	-140	4.0
S201510141020A	2015-10-14	10:20:53	38.95	14.63	287.0	-2.210	-1.780	3.990	-1.660	-1.440	-0.780	4.340	11	86	-0.350	39	185	-3.990	49	343	4.160	22	138	48	-148	26	67	-47	4.3
S201510160016A	2015-10-16	00:16:24	39.33	15.65	244.0	-2.290	1.070	1.220	-3.830	-1.130	-1.890	3.980	25	205	1.420	27	101	-5.390	52	332	4.680	22	338	31	-29	94	76	-118	4.3
S201511010752A	2015-11-01	07:52:32	45.87	15.56	10.0	4.390	-5.090	0.700	-2.990	1.540	1.080	5.550	70	226	0.710	10	106	-6.270	17	13	5.910	22	87	29	69	291	63	102	4.4
S201511060403A	2015-11-06	04:03:05	44.47	6.69	10.0	-1.070	0.210	0.870	0.100	0.790	-0.120	1.160	19	265	0.210	6	357	-1.360	70	104	1.260	22	344	26	-105	180	65	-83	4.0
S201512060322A	2015-12-06	03:22:49	42.65	15.17	10.0	4.020	-0.640	-3.380	-0.620	1.030	-1.710	4.310	76	223	-0.060	13	23	-4.260	5	115	4.280	22	219	42	110	12	51	73	4.3
S201512060528A	2015-12-06	05:28:15	42.39	15.12	10.0	3.930	-1.050	-2.890	1.460	-1.830	-1.850	4.990	65	43	-0.880	24	206	-4.130	6	298	4.560	22	53	44	125	188	56	61	4.3
S201512061624A	2015-12-06	16:24:40	42.34	15.08	10.0	0.760	-0.160	-0.600	0.330	-0.410	-0.340	1.020	63	42	-0.200	25	199	-0.820	9	293	0.920	23	50	42	129	183	59	60	4.5
S201512200946A	2015-12-20	09:46:03	38.35	13.58	10.0	3.250	-1.230	-2.020	-4.000	-2.090	-1.360	5.770	61	162	-0.570	10	54	-5.200	27	319	5.480	22	24	20	59	237	73	100	4.4
S201512291415A	2015-12-29	14:15:53	37.42	19.89	10.0	-0.260	0.950	-0.690	0.010	0.840	0.880	1.420	13	332	0.130	55	223	-1.550	31	71	1.480	22	107	58	-14	205	78	-147	4.0
E196801150201A	1968-01-15	02:01:08	37.75	12.98	10.0	1.310	-1.310	0.000	-0.230	-1.220	1.460	2.320	49	115	0.000	38	312	-2.320	8	215	2.320	24	270	49	34	155	63	134	5.5
E196801161642A	1968-01-16	16:42:44	37.86	12.98	36.0	2.350	-6.470	4.120	0.380	-4.410	4.480	8.480	34	105	0.000	53	308	-8.480	10	203	8.480	23	250	57	17	150	74	146	5.2
E196801250956A	1968-01-25	09:56:48	37.69	12.97	3.0	3.440	-3.440	0.000	-2.690	-3.190	6.530	8.480	39	128	0.000	50	306	-8.480	0	37	8.480	23	165	62	150	269	64	30	5.2
E197107150133A	1971-07-15	01:33:22	44.78	10.34	8.0	0.180	0.350	-0.530	-0.840	-0.220	-0.660	1.190	36	196	0.000	41	64	-1.190	26	308	1.190	24	346	42	8	249	83	132	5.3
E196307190546A	1963-07-19	05:46:04	43.34	8.04	14.0	1.100	0.070	-1.160	-0.420	0.300	-0.450	1.320	65	205	0.000	23	15	-1.320	3	106	1.320	25	220	46	123	356	53	59	6.0
E196307270557A	1963-07-27	05:57:00	43.56	8.13	14.0	0.770	0.000	-0.770	-0.680	2.140	-3.890	4.560	27	226	0.000	58	16	-4.560	12	128	4.560	23	264	60	168	359	80	29	5.0
E198912261959A	1989-12-26	19:59:59	43.48	7.56	4.0	1.590	-0.390	-1.200	-0.090	0.990	-0.900	1.970	68	243	0.000	17	24	-1.970	13	119	1.970	23	231	35	121	14	60	69	4.8
E199004150750A	1990-04-15	07:50:36	43.57	7.77	5.0	0.480	-0.690	0.200	-0.020	0.640	-0.690	1.120	43	248	0.000	44	45	-1.120	11	147	1.120	23	277	51	153	25	69	42	4.6
E199307171035A	1993-07-17	10:35:00	44.22	8.25	8.0	0.250	0.870	-1.130	0.850	0.010	-1.450	1.970	24	25	0.000	63	232	-1.970	11	119	1.970	23	164	64	9	70	81	154	4.8
E199504210802A	1995-04-21	08:02:57	43.82	7.56	4.0	0.250	-0.800	0.550	0.210	0.660	-0.530	1.120	35	258	0.000	48	41	-1.120	19	155	1.120	23	291	50	166	30	79	40	4.6
E199609050244A	1996-09-05	02:44:00	42.80	17.94	12.0	1.590	-0.620	-0.970	-0.160	0.000	0.780	1.600	85	163	0.000	4	321	-1.600	1	51	1.600	25	145	43	96	317	46	84	6.0

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
E199709260947A	1997-09-26	09:47:38	43.11	12.80	2.6	-1.100	-0.710	1.810	-2.420	1.690	-0.790	3.440	30	239	0.000	23	134	-3.440	49	13	3.440	23	17	26	-24	129	79	-114	4.9
E199710021059A	1997-10-02	10:59:56	43.09	12.78	4.5	-1.080	0.010	1.070	0.110	0.970	-0.320	1.480	19	259	0.000	11	353	-1.480	66	111	1.480	23	329	27	-116	178	65	-77	4.7
E197111291849A	1971-11-29	18:49:00	40.34	15.77	4.0	-0.060	2.460	-2.400	-0.060	0.480	2.390	3.440	2	337	0.000	81	232	-3.440	7	67	3.440	23	112	83	-4	203	86	-173	4.9
E197406201708A	1974-06-20	17:08:28	46.16	15.57	17.0	0.060	-0.480	0.420	-1.240	-0.210	1.440	1.970	27	134	0.000	50	263	-1.970	25	28	1.970	23	170	50	178	261	88	39	4.8
E199205111334A	1992-05-11	13:34:00	41.35	15.50	16.8	-0.170	-0.240	0.410	0.280	0.450	-1.340	1.480	6	233	0.000	67	339	-1.480	21	140	1.480	23	278	70	-169	184	79	-19	4.7
E199611102323A	1996-11-10	23:23:00	41.44	15.11	18.3	0.000	0.380	-0.380	0.000	0.000	-1.050	1.120	0	214	0.000	90	180	-1.120	0	124	1.120	23	259	90	-180	349	90	0	4.6
E199809222323A	1998-09-22	23:23:00	41.43	15.48	26.2	-0.130	0.360	-0.230	0.350	0.210	-1.000	1.120	7	35	0.000	67	287	-1.120	20	128	1.120	23	170	69	-10	263	80	-159	4.6
E196806180527A	1968-06-18	05:27:34	45.67	7.90	12.0	0.050	-2.450	2.410	0.970	-1.740	1.410	3.440	24	99	0.000	54	328	-3.440	23	200	3.440	23	240	54	0	149	89	144	4.9
E197109251034A	1971-09-25	10:34:00	44.12	8.73	5.0	-0.770	7.140	-6.370	1.290	2.220	-4.380	8.470	3	15	0.000	71	273	-8.470	17	107	8.470	22	150	74	-10	242	80	-164	4.5
E199002110700A	1990-02-11	07:00:37	44.97	7.55	16.0	6.870	-2.120	-4.750	3.450	0.790	4.710	8.470	64	333	0.000	24	138	-8.470	5	230	8.470	22	345	44	125	120	55	60	4.5
E199401200659A	1994-01-20	06:59:13	44.56	7.34	4.8	1.320	1.560	-2.880	-1.910	-1.390	-0.280	3.440	44	169	0.000	38	27	-3.440	19	281	3.440	23	327	42	22	219	75	129	4.9
E199401200705A	1994-01-20	07:05:42	44.55	7.28	14.1	0.370	0.480	-0.850	-0.420	0.520	-0.520	1.120	39	206	0.000	47	357	-1.120	15	104	1.120	23	237	50	160	340	74	40	4.6
E199503040158A	1995-03-04	01:58:13	44.73	7.64	25.1	0.950	-0.210	-0.740	-0.450	0.030	0.550	1.120	68	165	0.000	19	322	-1.120	7	55	1.120	23	167	41	121	308	55	65	4.6
E199902140558A	1999-02-14	05:58:00	46.78	7.21	10.0	0.010	0.220	-0.240	-0.060	0.170	-1.080	1.120	7	219	0.000	80	7	-1.120	4	128	1.120	23	263	80	177	354	87	9	4.6
E195407290442A	1954-07-29	04:42:00	46.28	7.50	10.0	0.070	-0.500	0.430	0.320	-0.170	-0.950	1.120	16	56	0.000	70	265	-1.120	8	149	1.120	23	193	71	5	102	84	161	4.6
E195904051048A	1959-04-05	10:48:00	44.53	6.78	0.0	-0.670	-0.450	1.120	-0.600	0.820	1.200	1.850	10	294	0.000	48	192	-1.850	38	34	1.850	24	66	54	-22	170	71	-142	5.4
E196003232308A	1960-03-23	23:08:00	46.35	8.07	12.0	3.340	-2.850	-0.490	4.300	-1.980	-6.300	8.470	41	44	0.000	46	245	-8.470	11	143	8.470	22	192	53	24	87	70	140	4.5
E196403140037A	1964-03-14	00:37:00	46.90	8.25	11.0	4.750	-2.410	-2.340	4.960	-0.430	-4.700	7.990	54	27	0.000	30	240	-7.990	15	141	7.990	23	195	39	37	75	67	123	5.2
E196808190036A	1968-08-19	00:36:00	46.31	6.79	9.0	-2.550	1.160	1.380	-2.910	2.400	-1.300	4.560	27	223	0.000	3	132	-4.560	61	35	4.560	23	323	17	-77	130	72	-93	5.0
E193910151505A	1939-10-15	15:05:25	44.23	10.20	26.0	-0.870	-3.440	4.310	1.790	-1.040	0.950	4.560	9	94	0.000	60	347	-4.560	27	189	4.560	23	228	63	-13	325	77	-152	5.0
E197210252156A	1972-10-25	21:56:13	44.45	9.92	40.0	-3.230	-2.650	5.880	4.550	-0.430	-4.110	7.990	11	63	0.000	45	321	-7.990	41	165	7.990	23	195	51	-24	300	70	-139	5.2
E195105152254A	1951-05-15	22:54:00	45.33	9.33	6.0	-1.940	7.810	-5.880	0.450	3.520	1.240	7.990	4	353	0.000	59	255	-7.990	29	86	7.990	23	125	65	-18	223	72	-154	5.2
E197608220249A	1976-08-22	02:49:00	44.67	9.52	8.0	-0.730	-0.110	0.840	0.600	0.430	0.290	1.120	18	292	0.000	22	30	-1.120	60	166	1.120	23	351	32	-133	220	67	-65	4.6
E197902091444A	1979-02-09	14:44:00	45.69	9.40	5.0	-1.930	0.560	1.370	2.740	-0.440	3.180	4.560	14	316	0.000	42	60	-4.560	44	211	4.560	23	5	47	-154	257	71	-44	5.0
E198705081110A	1987-05-08	11:10:00	44.92	11.12	7.5	8.200	-7.050	-1.140	0.510	-1.630	3.120	8.470	80	90	0.000	8	294	-8.470	3	203	8.470	22	284	41	76	122	49	101	4.5
E197404152149A	1974-04-15	21:49:00	44.63	9.55	5.0	-0.020	-0.860	0.880	0.140	0.110	-0.680	1.120	2	251	0.000	80	358	-1.120	8	160	1.120	23	296	81	-175	205	85	-8	4.6
E198207261507A	1982-07-26	15:07:00	44.16	10.79	29.0	-0.950	1.070	-0.120	-0.300	-0.340	-0.140	1.120	7	184	0.000	20	91	-1.120	68	293	1.120	23	296	41	-58	76	55	-114	4.6
E198702102120A	1987-02-10	21:20:00	44.26	10.28	9.6	-0.370	1.000	-0.630	-0.160	0.600	-0.340	1.120	11	194	0.000	50	299	-1.120	37	95	1.120	23	242	54	-159	140	73	-36	4.6
E198704240230A	1987-04-24	02:30:00	44.86	10.77	7.7	0.440	-3.160	2.710	-0.910	1.180	-0.930	3.440	24	258	0.000	63	106	-3.440	11	353	3.440	23	38	64	9	304	81	154	4.9
E198705241023A	1987-05-24	10:23:00	45.63	10.83	9.3	-1.920	1.660	0.260	-0.120	0.310	-0.700	1.970	3	202	0.000	6	293	-1.970	82	86	1.970	23	285	42	-100	119	48	-80	4.8
E199110310931A	1991-10-31	09:31:00	44.97	9.87	1.0	0.140	-8.000	7.860	-0.960	-1.190	2.570	8.470	9	99	0.000	79	249	-8.470	5	8	8.470	22	143	79	177	234	87	10	4.5
E199507231844A	1995-07-23	18:44:00	38.53	14.72	17.5	1.070	-0.780	-0.290	0.920	-0.010	0.660	1.480	64	340	0.000	18	113	-1.480	17	209	1.480	23	325	31	126	104	64	69	4.7
E198808040357A	1988-08-04	03:57:00	39.18	14.75	22.0	-3.340	-3.350	6.690	-3.350	-3.020	-3.380	8.090	10	76	0.000	46	177	-8.090	41	336	8.090	22	126	52	-154	19	69	-39	4.5
E199002150456A	1990-02-15	04:56:00	38.73	15.09	6.0	-6.100	5.480	0.620	-5.140	-0.300	2.240	8.090	19	162	0.000	9	255	-8.090	68	9	8.090	22	237	26	-110	80	65	-80	4.5
E199308310016A	1993-08-31	00:16:00	39.95	15.26	35.0	-0.550	1.440	-0.890	-0.800	-0.730	-1.470	2.210	9	203	0.000	56	99	-2.210	31	299	2.210	23	336	61	-17	74	75	-150	4.8
E199311271326A	1993-11-27	13:26:00	38.80	14.95	0.0	-2.680	2.010	0.670	-1.340	-0.770	1.160	3.100	14	149	0.000	0	59	-3.100	75	329	3.100	23	239	30	-89	59	59	-90	4.9
E193902111116A	1939-02-11	11:16:00	44.07	11.03	7.0	-3.180	0.610	2.570	0.760	0.510	-1.570	3.440	0	241	0.000	15	331	-3.440	73	148	3.440	23	315	46	-112	166	47	-68	4.9
E195009050409A	1950-09-05	04:09:00	42.60	13.50	10.0	-3.160	0.860	2.310	-0.550	-0.410	1.430	3.250	5	122	0.000	4	212	-3.250	82	340	3.250	24	207	39	-97	36	50	-84	5.6
E195105160226A	1951-05-16	02:26:00	45.33	9.33	6.0	-0.470	1.870	-1.400	0.110	0.880	0.490	1.970	6	350	0.000	59	249	-1.970	30	83	1.970	23	122	64	-17	220	73	-153	4.8
E195108082056A	1951-08-08	20:56:00	42.60	13.50	10.0	0.820	-5.670	4.850	-1.550	2.250	-0.880	6.040	25	262	0.000	61	111	-6.040	12	357	6.040	23	42	63	9	308	81	153	5.1
E195705211144A	1957-05-21	11:44:00	38.67	14.11	5.0	-0.620	1.300	-0.680	-0.230	-1.110	0.930	1.850	16	153	0.000	45	45	-1.850	40	256	1.850	24	286	49	-19	30	74	-137	5.4
E195806240607A	1958-06-24	06:07:00	42.35	13.44	10.0	-6.420	-0.950	7.370	-2.570	2.970	0.370	7.990	11	268	0.000	19	174	-7.990	66	28	7.990	23	22	37	-56	162	59	-112	5.2
E196705121753A	1967-05-12	17:53:00	44.76	10.67	39.0	-6.280	2.030	4.250	-4.680	-2.650	3.470	8.470	18	131	0.000	12	225	-8.470	66	346	8.470	22	200	28	-117	51	65	-76	4.5
E196708150706A	1967-08-15	07:06:00	38.71	15.28	2.0	0.860	0.150	-1.010	-0.440	-1.640	0.290	1.970	56	120	0.000	14	7	-1.970	30	268	1.970	23	322	19	42	191	76	104	4.8
E196712090309A	1967-12-09	03:09:00	42.00	16.50	33.0	-1.880	1.850	0.020	2.860	-0.380	-0.210	3.440	28	7	0.000	0	97	-3.440	61	187	3.440	23	95	16	-91	277	73	-89	4.9
E196712300419A	1967-12-30	04:19:00	44.63	12.01	33.0	1.300	-0.570	-0.720	-0.270	0.440	0.650	1.400	78	247	0.000	3	139	-1.400	10	49	1.400	24	134	34	83	322	55	94	5.3
E196802121018A	1968-02-12	10:18:00	37.96	17.87	10.0	0.620	-1.000	0.380	0.280	0.880	-0.590	1.400	46	263	0.000	37	48	-1.400	17	152	1.400	24	284	42	153	34	72	50	5.3
E196806161303A	1968-06-16	13:03:00	37.78	14.65	23.0	1.370	-1.560	0.190	0.920	3.650	-2.100	4.560	47	259	0.000	28	25	-4.560	29	133	4.560	23	272	30	159	20	79	61	5.0
E197008191219A	1970-08-19	12:19:00	43.25	10.77	33.0	-1.300	2.910	-1.620	1.060	-1.460	1.490	3.440	8	345	0.000	49	85	-3.440	39	249	3.440	23	35	56	-155	291	69	-35	4.9
E197102061809A	1971-02-06	18:09:00	42.31	11.76	2.0	-1.900	1.730	0.170	0.050	1.270	-1.360	2.600	8	212	0.000	28	307	-2.600	60	108	2.600	23	273	44	-133	146	59	-56	4.8
E197102111849A	1971-02-11	18:49:00	43.20	12.69	4.0	-0.670	5.350	-4.690	0.640	-2.310	-2.260	6.040	9	14	0.000	65	126	-6.040	21	279	6.040	23	58	67	-171	325	81	-23	5.1
E197102120454A	1971-02-12	04:54:00	43.23	12.49	33.0	-1.290	0.670	0.620	0.390	0.910	-1.280	1.970	6	227	0.000	34	321	-1.970	54	126	1.970	23	284	48	-138	164	60	-49	4.8
E197202040242A	1972-02-04	02:42:00	43.72	13.44	25.0	-0.770	1.720	-0.950	-0.100	0.970	0.830	1.970	3	342	0.000	50	248	-1.970	38	76	1.970	23	112	60	-27	216	66	-147	4.8
E197202040918A	1972-02-04	09:18:00	43.73	13.37	25.0	0.180	0.660	-0.830	-0.600	0.570	-0.020	1.120	36	193	0.000	41	324	-1.120	26	80	1.120	23	222	41	170	319	83	48	4.6
E197202050126A	1972-02-05	01:26:00	43.72	13.40	17.0	-0.240	0.670	-0.430	-0.440	0.780	-0.330	1.120	29	207	0.000	34	320	-1.120	42	88	1.120	23	246	35	-166	145	82	-55	4.6
E197202060134A	1972-02-06	01:34:00	43.71	13.43	30.0	-0.210	0.860	-0.650	0.220	0.610	0.480	1.120	17	338	0.000	52	224	-1.120	31	80	1.120	23	115	53	-11	212	80	-143	4.6
E197203212306A	1972-03-21	23:06:00	35.80	14.98	5.0	0.380	-1.870	1.480	-0.340	-0.760	0.500	1.970	26	100	0.000	62	265	-1.970	5	6	1.970	23	140	66	164	236	75	24	4.8
E197206141855A	1972-06-14	18:55:00	43.69	13.47	3.0	-0.200	1.780	-1.580	0.380	-0.570	0.740	1.970	6	349	0.000	68	97	-1.970	19	256	1.970	23	34	70	-170	301	81	-19	4.8
E197211261603A	1972-11-26	16:03:00	42.97	13.40	1.0	-3.970	0.340	3.630	2.860	-2.850	5.740	7.990	2	125	0.000	44	33	-7.990	44	219	7.990	23	252	57	-33	1	62	-142	5.2
E197308081436A	1973-08-08	14:36:00	40.72	15.41	5.0	-0.210	1.690	-1.480	-0.550	-1.440	1.360	2.600	21	153	0.000	53	31	-2.600	27	256	2.600	23	293	53	-4	26	86	-143	4.8
E197310300114A	1973-10-30	01:14:00	41.70	13.87	5.0	-0.380	-0.190	0.570	0.280	0.990	-0.950	1.480	22	243	0.000	42	355	-1.480	39	134	1.480	23	286	44	-165	185	79	-46	4.7
E197412020155A	1974-12-02	01:55:00	42.82	12.93	5.0	-3.160	-0.990	4.150	2.200	-0.200	-1.360	4.560	5	73	0.000	32	340	-4.560	56	173	4.560	23	194	48	-44	317	58	-128	5.0
E197511161304A	1975-11-16	13:04:00	44.75	9.52	20.0	-1.960	4.510	-2.540	-0.200	-2.250	-0.620	4.560	0	184	0.000	49	94	-4.560	40	275	4.560	23	312	62	-31	57	62	-148	5.0
E197809240807A	1978-09-24	08:07:00	40.80	16.11	28.0	-5.100	0.640	4.460	3.170	-5.960	-1.760	8.470	26	66	0.000	3	334	-8.470	63	237	8.470	22	164	18	-79	333	71	-93	4.5
E194705110632A	1947-05-11	06:32:00	38.69	16.78	14.0	-0.720	-2.910	3.630	1.450	0.940	-2.100	4.300	6	254	0.000	64	357	-4.300	25	162	4.300	24	301	68	-165	205	77	-22	5.6
E195411231300A	1954-11-23	13:00:00	38.60	15.10	39.0	0.570	0.800	-1.370	-0.740	-0.470	1.110	1.850	33	155	0.000	55	343	-1.850	3	248	1.850	24	297	63	22	196	69	151	5.4
E195912230929A	1959-12-23	09:29:00	37.72	14.61	77.0	0.680	-0.490	-0.190	-0.320	1.520	0.810	1.850	50	279	0.000	23	157	-1.850	28	53	1.850	24	97	26	27	342	78	114	5.4
E196203252138A	1962-03-25	21:38:00	39.12	14.55	43.0	-0.260	-0.370	0.630	-0.990	1.460	0.080	1.850	38	250	0.000	15	148	-1.850	46	41	1.850	24	42	15	-15	147	85	-105	5.4
E196208211844A	1962-08-21	18:44:00	41.18	15.09	36.0	0.140	-0.640	0.510	-0.420	-0.270	1.070	1.320	21	122	0.000	66	277	-1.320	9	29	1.320	25	164	68	171	257	81	21	6.0
E196309292216A	1963-09-29	22:16:00	36.00	18.08	37.0	0.590	-2.390	1.800	3.520	-3.890	0.410	5.690	44	68	0.000	21	315	-5.690	38	206	5.690	24	234	22	8	136	86	111	5.7
E196512231529A	1965-12-23	15:29:00	40.53	14.87	10.0	-0.850	1.530	-0.680	-0.010	1.460	1.690	2.600	12	327	0.000	49	222	-2.600	37	67	2.600	23	100	53	-20	202	73	-142	4.8
E196709071409A	1967-09-07	14:09:00	37.85	15.94	53.0	-0.260	0.500	-0.240	1.000	1.000	0.110	1.480	38	329	0.000	14	227	-1.480	48	120	1.480	23	116	15	-19	226	84	-104	4.7
E196710312108A	1967-10-31	21:08:00	37.84	14.60	38.0	-1.240	2.010	-0.770	3.620	-1.330	6.770	7.990	13	323	0.000	59	77	-7.990	27	227	7.990	23	8	61	-169	273	80	-29	5.2
E196805190937A	1968-05-19	09:37:00	38.52	14.82	39.0	2.440	1.390	-3.840	-1.840	-1.970	1.480	4.560	50	154	0.000	37	0	-4.560	13	259	4.560	23	312	45	32	198	67	130	5.0
E196903290143A	1969-03-29	01:43:00	40.04	15.10	10.0	0.410	0.020	-0.430	0.110	-2.550	-0.280	2.600	49	80	0.000	6	178	-2.600	40	274	2.600	23	53	7	145	178	85	83	4.8
E196904020138A	1969-04-02	01:38:00	38.98	15.24	63.0	2.340	-0.340	-2.000	-1.930	-1.370	-1.200	3.440	64	162	0.000	14	39	-3.440	21	303	3.440	23	9	27	56	225	67	105	4.9
E197006050920A	1970-06-05	09:20:00	39.18	15.54	67.0	-0.470	-0.050	0.520	0.430	-0.900	-0.060	1.120	31	73	0.000	8	338	-1.120	56	235	1.120	23	192	15	-55	336	77	-98	4.6
E197104250439A	1971-04-25	04:39:00	39.30	15.26	93.0	-1.310	1.440	-0.130	-0.070	0.490	-0.260	1.480	3	189	0.000	19	281	-1.480	70	91	1.480	23	260	45	-118	117	51	-64	4.7
E197105060345A	1971-05-06	03:45:00	41.20	15.24	33.0	0.060	2.630	-2.690	-0.560	0.110	-3.660	4.560	6	206	0.000	82	42	-4.560	1	297	4.560	23	342	83	3	251	86	173	5.0
E197304130812A	1973-04-13	08:12:00	38.97	16.92	43.0	0.070	-0.100	0.030	1.030	1.670	-0.070	1.970	45	299	0.000	2	31	-1.970	43	123	1.970	23	279	2	158	31	88	87	4.8
E197312201744A	1973-12-20	17:44:00	38.76	14.80	67.0	2.060	-2.310	0.240	-5.490	-0.980	0.670	6.040	54	159	0.000	9	263	-6.040	34	0	6.040	23	126	14	133	261	79	80	5.1
E197401241319A	1974-01-24	13:19:00	39.85	14.58	60.0	-3.310	0.670	2.640	-1.730	-7.540	1.640	8.470	33	110	0.000	6	15	-8.470	56	275	8.470	22	224	13	-60	14	78	-96	4.5
E197407220719A	1974-07-22	07:19:00	39.25	15.38	57.0	-0.340	-0.700	1.040	0.580	-1.350	0.930	1.970	27	103	0.000	39	347	-1.970	38	216	1.970	23	244	40	-10	342	83	-130	4.8
E197501160009A	1975-01-16	00:09:00	38.14	15.71	21.0	0.220	-1.930	1.710	1.170	0.780	1.200	2.600	26	291	0.000	56	70	-2.600	19	192	2.600	23	330	57	174	63	85	32	4.8
E197504121647A	1975-04-12	16:47:00	38.45	15.56	78.0	0.280	5.170	-5.450	-2.840	-0.710	-5.910	8.470	16	202	0.000	69	61	-8.470	12	295	8.470	22	339	69	2	248	87	159	4.5
E197506191011A	1975-06-19	10:11:00	41.65	15.73	18.0	0.730	-2.900	2.170	-0.570	2.030	-5.010	6.040	21	239	0.000	68	44	-6.040	5	147	6.040	23	281	71	168	15	79	18	5.1
E197508102055A	1975-08-10	20:55:00	38.53	15.60	97.0	-5.960	6.570	-0.620	1.380	-3.630	4.150	8.470	1	155	0.000	32	64	-8.470	57	246	8.470	22	274	52	-46	36	54	-131	4.5
E197604060908A	1976-04-06	09:08:00	38.75	16.07	110.0	-0.560	0.060	0.490	-0.270	4.500	-0.470	4.560	41	260	0.000	5	355	-4.560	48	92	4.560	23	298	6	-147	176	86	-84	5.0
E197609170123A	1976-09-17	01:23:00	37.92	14.57	33.0	-0.690	0.480	0.210	1.220	0.110	0.580	1.480	27	333	0.000	18	73	-1.480	55	193	1.480	23	24	24	-141	258	75	-70	4.7
E197609211501A	1976-09-21	15:01:00	38.74	14.68	96.0	-0.610	0.430	0.190	-1.020	0.850	3.130	3.440	2	136	0.000	64	231	-3.440	25	45	3.440	23	183	70	-163	88	74	-19	4.9
E197712202004A	1977-12-20	20:04:00	38.44	15.70	69.0	0.950	0.560	-1.500	-1.770	2.640	0.000	3.440	50	221	0.000	15	330	-3.440	34	71	3.440	23	211	17	151	328	81	74	4.9
E197712301808A	1977-12-30	18:08:00	39.94	15.45	92.0	0.300	0.850	-1.150	-2.200	-2.440	-0.020	3.440	45	148	0.000	16	40	-3.440	40	295	3.440	23	319	16	8	221	87	106	4.9
E197808131653A	1978-08-13	16:53:00	38.41	16.01	37.0	4.990	-6.900	1.910	-0.010	4.440	3.740	8.470	51	283	0.000	37	118	-8.470	7	22	8.470	22	77	50	36	322	62	133	4.5
E197903221932A	1979-03-22	19:32:00	38.81	15.85	14.0	-2.680	0.320	2.360	0.680	1.510	-1.650	3.440	9	244	0.000	23	338	-3.440	63	133	3.440	23	307	40	-128	173	59	-61	4.9
E197903251136A	1979-03-25	11:36:00	39.44	15.21	6.0	-1.220	-0.560	1.780	-1.020	-0.180	0.570	1.970	8	105	0.000	35	201	-1.970	53	5	1.970	23	161	48	-141	44	62	-48	4.8
E198002200240A	1980-02-20	02:40:00	39.33	16.19	10.0	-1.100	0.380	0.720	-0.040	0.160	0.540	1.120	2	305	0.000	6	215	-1.120	82	58	1.120	23	42	42	-80	209	48	-98	4.6
E198003091200A	1980-03-09	12:00:00	39.99	15.91	10.0	-0.870	0.450	0.420	-0.040	0.560	0.620	1.120	11	312	0.000	23	217	-1.120	64	65	1.120	23	68	39	-51	202	60	-116	4.6
E193610199999A	1936-10-19	99:99:00	46.00	12.50	10.0	0.000	-1.460	1.460	0.000	0.000	-1.320	1.970	0	248	0.000	90	180	-1.970	0	158	1.970	23	293	90	-180	23	90	0	4.8
E193803279999A	1938-03-27	99:99:00	46.20	16.80	7.0	1.470	-0.860	-0.610	-3.090	2.600	0.720	4.300	55	220	0.000	0	130	-4.300	34	40	4.300	24	129	10	89	310	79	90	5.6
E195601120546A	1956-01-12	05:46:08	47.50	19.30	0.0	1.180	-0.820	-0.360	0.320	-0.420	-0.790	1.420	65	52	0.000	24	233	-1.420	0	143	1.420	24	210	49	57	75	49	122	5.3
E196410271946A	1964-10-27	19:46:09	47.85	15.95	1.0	-0.230	-0.370	0.600	0.620	0.140	0.560	1.000	19	301	0.000	47	54	-1.000	35	195	1.000	23	344	49	-166	245	79	-41	4.6

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
E196906012320A	1969-06-01	23:20:00	47.00	14.20	0.0	0.330	-0.660	0.330	0.620	-0.480	-1.710	1.970	24	51	0.000	64	245	-1.970	5	144	1.970	23	190	68	14	95	76	157	4.8
E195702200440A	1957-02-20	04:40:00	36.40	9.00	0.0	0.240	-3.540	3.300	-0.650	1.740	2.340	4.540	19	284	0.000	65	143	-4.540	14	19	4.540	24	62	66	4	331	86	155	5.7
E195608151202A	1956-08-15	12:02:05	43.21	15.95	14.0	-1.980	5.100	-3.120	1.100	-2.800	3.740	6.550	0	338	0.000	56	69	-6.550	33	248	6.550	24	29	67	-155	288	67	-25	5.8
E196106220056A	1961-06-22	00:56:00	42.32	19.26	24.0	4.750	1.240	-6.000	-2.460	0.510	0.190	6.040	62	183	0.000	26	355	-6.040	3	87	6.040	23	203	47	127	334	53	55	5.1
E196201071003A	1962-01-07	10:03:01	43.20	16.88	10.0	6.700	-4.960	-1.750	0.260	-5.710	5.510	9.970	58	108	0.000	27	319	-9.970	13	221	9.970	24	279	39	43	154	64	121	5.9
E196201110505A	1962-01-11	05:05:00	43.15	16.94	10.0	0.550	0.240	-0.790	-0.550	-0.660	1.350	1.750	34	142	0.000	54	336	-1.750	6	237	1.750	25	285	60	21	184	70	149	6.1
E196201210251A	1962-01-21	02:51:03	43.09	16.95	14.0	0.280	0.810	-1.090	-0.480	-0.190	0.500	1.220	28	165	0.000	61	351	-1.220	2	256	1.220	24	304	67	19	207	72	156	5.3
E196204171003A	1962-04-17	10:03:04	42.15	17.07	21.0	-0.160	-0.040	0.190	0.250	-0.350	1.130	1.220	4	131	0.000	68	30	-1.220	21	222	1.220	24	265	72	-12	359	78	-161	5.3
E196206110715A	1962-06-11	07:15:04	43.60	18.40	8.0	-1.000	0.300	0.700	0.450	-0.340	0.790	1.320	0	307	0.000	29	38	-1.320	60	217	1.320	25	11	51	-128	244	52	-51	6.0
E196302141318A	1963-02-14	13:18:05	44.26	15.17	15.0	-2.530	0.700	1.830	2.810	-0.120	2.780	4.560	14	314	0.000	33	55	-4.560	52	204	4.560	23	7	42	-146	251	67	-53	5.0
E196305191000A	1963-05-19	10:00:00	46.19	14.72	14.0	0.140	-4.090	3.940	-0.700	-0.800	1.880	4.560	11	103	0.000	76	254	-4.560	6	11	4.560	23	147	77	175	237	86	13	5.0
E196404130830A	1964-04-13	08:30:00	45.24	18.03	11.0	1.750	-2.140	0.390	-0.500	-2.660	3.640	4.950	38	120	0.000	49	321	-4.950	10	218	4.950	24	267	55	22	163	72	142	5.7
E196608051747A	1966-08-05	17:47:04	42.10	18.80	35.0	-1.170	6.100	-4.930	3.910	-4.130	0.200	7.990	25	8	0.000	43	125	-7.990	35	257	7.990	23	46	44	-171	310	84	-46	5.2
E196910261536A	1969-10-26	15:36:04	44.85	17.28	10.0	1.100	-1.300	0.200	0.170	-0.490	0.060	1.320	66	82	0.000	22	276	-1.320	4	183	1.320	25	250	44	56	113	53	118	6.0
E196910270810A	1969-10-27	08:10:05	44.93	17.24	18.0	3.080	-3.750	0.670	-1.280	1.450	-0.830	4.050	62	245	0.000	26	86	-4.050	8	352	4.050	25	55	43	49	284	58	121	6.3
E197008250140A	1970-08-25	01:40:01	43.35	18.41	13.0	0.000	5.590	-5.590	-4.340	2.930	2.260	7.990	27	176	0.000	49	303	-7.990	27	71	7.990	23	213	49	-179	123	89	-40	5.2
E198403111155A	1984-03-11	11:55:03	45.83	15.47	6.1	-6.550	-1.070	7.620	3.510	0.640	-2.830	8.470	1	72	0.000	28	342	-8.470	61	165	8.470	22	188	50	-51	318	52	-126	4.5
E198504211813A	1985-04-21	18:13:02	43.84	16.54	18.2	5.280	-0.450	-4.830	-2.590	-2.120	4.160	7.370	57	145	0.000	31	331	-7.370	2	239	7.370	22	300	51	47	176	55	130	4.5
E198611271210A	1986-11-27	12:10:03	44.05	16.34	15.7	-0.810	-0.580	1.390	0.690	0.320	-0.410	1.480	4	260	0.000	41	354	-1.480	48	164	1.480	23	314	53	-144	202	62	-41	4.7
E198812161135A	1988-12-16	11:35:05	44.71	15.03	6.0	1.770	-1.930	0.150	-0.380	0.520	-0.110	1.970	72	250	0.000	16	90	-1.970	5	358	1.970	23	71	41	64	283	52	110	4.8
E198912060533A	1989-12-06	05:33:01	43.66	16.96	9.1	2.960	-2.400	-0.560	1.990	1.220	2.820	4.560	54	314	0.000	34	118	-4.560	7	213	4.560	23	336	47	139	95	60	49	5.0
E199011270451A	1990-11-27	04:51:03	43.86	16.65	9.1	2.840	-2.020	-0.820	1.100	0.450	1.650	3.250	70	321	0.000	18	121	-3.250	6	213	3.250	24	323	41	118	106	53	66	5.6
E199210300538A	1992-10-30	05:38:27	42.38	19.05	13.8	1.270	-0.790	-0.480	-0.180	-1.060	1.210	1.970	55	118	0.000	32	322	-1.970	11	225	1.970	23	282	44	40	160	63	126	4.8
E199310010413A	1993-10-01	04:13:09	43.40	17.66	3.7	2.360	-7.980	5.620	-3.720	5.420	1.180	9.750	37	264	0.000	44	125	-9.750	21	12	9.750	22	54	45	14	314	79	135	4.6
E199402251603A	1994-02-25	16:03:05	43.65	16.68	10.6	-0.520	-1.250	1.770	1.130	-1.140	0.210	2.260	23	85	0.000	41	332	-2.260	38	196	2.260	23	223	43	-13	323	80	-132	4.8
E199505131016A	1995-05-13	10:16:01	43.16	15.27	8.7	0.310	0.750	-1.060	-0.490	-0.580	0.850	1.480	30	154	0.000	56	1	-1.480	12	251	1.480	23	296	59	13	199	78	148	4.7
E199505221116A	1995-05-22	11:16:53	45.62	14.26	18.9	0.460	-1.070	0.610	0.230	-0.580	0.090	1.120	41	86	0.000	46	287	-1.120	10	186	1.120	23	235	52	25	130	69	140	4.6
E195212262355A	1952-12-26	23:55:00	39.96	15.55	64.0	-0.410	-0.270	0.680	-1.120	-3.150	-0.270	3.400	40	101	0.000	8	198	-3.400	47	297	3.400	25	131	9	-157	18	86	-81	6.2
E196010032019A	1960-10-03	20:19:00	39.26	15.29	83.0	-2.280	0.070	2.210	0.010	-2.490	0.600	3.400	23	100	0.000	7	6	-3.400	65	259	3.400	25	205	22	-69	3	68	-98	6.2
E197909212347A	1979-09-21	23:47:00	38.91	14.78	34.0	-1.480	-0.010	1.490	0.130	0.540	0.030	1.580	10	271	0.000	4	2	-1.580	79	115	1.580	23	356	35	-97	185	55	-84	4.7
E198010130344A	1980-10-13	03:44:00	39.71	12.98	2.0	-0.510	-0.150	0.660	-0.280	-1.310	-0.600	1.580	29	76	0.000	25	181	-1.580	48	304	1.580	23	117	27	-157	6	79	-64	4.7
E198105100244A	1981-05-10	02:44:00	39.53	15.31	91.0	0.090	-1.010	0.920	-0.370	0.450	-0.030	1.130	24	264	0.000	58	125	-1.130	17	3	1.130	23	45	59	5	312	85	148	4.6
E198203300216A	1982-03-30	02:16:00	38.47	15.38	11.0	3.940	-1.480	-2.460	0.210	1.440	2.180	4.330	74	297	0.000	14	144	-4.330	7	52	4.330	23	127	39	67	335	53	107	5.0
E199701270046A	1997-01-27	00:46:17	45.19	16.21	17.5	1.110	-0.930	-0.190	-0.100	0.050	-0.420	1.120	85	223	0.000	4	65	-1.120	1	335	1.120	23	61	43	83	249	46	96	4.6
E199704260730A	1997-04-26	07:30:18	42.82	17.63	0.1	1.800	-1.940	0.140	0.290	-0.500	-0.160	1.970	73	72	0.000	15	267	-1.970	3	176	1.970	23	250	43	66	101	51	110	4.8
E193007230008A	1930-07-23	00:08:43	41.10	11.20	14.0	0.150	0.810	-0.950	-0.770	-0.010	-1.740	2.100	18	209	0.000	67	61	-2.100	10	303	2.100	25	347	68	5	255	84	158	6.1
E196104282048A	1961-04-28	20:48:00	47.70	7.90	0.0	0.000	0.270	-0.270	0.950	0.070	-1.940	2.180	17	37	0.000	64	266	-2.180	17	134	2.180	23	176	64	0	266	89	-154	4.8
E196403142044A	1964-03-14	20:44:00	46.90	8.30	0.0	0.620	-0.310	-0.320	0.760	-0.250	-1.020	1.400	44	37	0.000	43	239	-1.400	11	138	1.400	24	188	50	27	80	69	137	5.3
E197109290719A	1971-09-29	07:19:00	47.10	9.00	0.0	0.020	-1.240	1.220	0.070	-0.170	-1.190	1.720	5	68	0.000	84	247	-1.720	0	338	1.720	23	112	85	175	203	85	4	4.7
E197505290032A	1975-05-29	00:32:00	46.04	6.02	0.0	0.550	6.140	-6.700	-1.940	2.240	-4.640	8.470	18	199	0.000	69	348	-8.470	10	106	8.470	22	241	69	174	333	84	20	4.5
E198007151217A	1980-07-15	12:17:00	47.67	7.48	12.0	0.050	-1.290	1.240	-0.030	-0.260	-0.440	1.360	11	80	0.000	78	244	-1.360	3	350	1.360	23	124	80	174	215	84	9	4.6
E198012020558A	1980-12-02	05:58:00	45.83	6.28	1.0	-0.040	1.000	-0.960	-0.080	-0.270	0.460	1.120	6	166	0.000	75	49	-1.120	12	258	1.120	23	301	75	-4	33	85	-165	4.6
E199111200154A	1991-11-20	01:54:00	46.73	9.53	6.0	-7.330	7.230	0.100	-2.670	-0.940	-1.690	7.990	9	191	0.000	10	99	-7.990	76	320	7.990	23	293	37	-72	91	54	-102	5.2
E199412140856A	1994-12-14	08:56:00	45.96	6.43	10.0	0.990	0.750	-1.740	-1.070	-0.600	-0.270	1.970	49	173	0.000	36	23	-1.970	15	281	1.970	23	332	43	30	219	69	129	4.8
E199603310608A	1996-03-31	06:08:00	45.94	7.46	4.0	-1.740	2.030	-0.290	1.360	-0.750	0.870	2.600	14	347	0.000	26	84	-2.600	58	230	2.600	23	44	38	-136	278	64	-60	4.8
E196904032212A	1969-04-03	22:12:00	40.50	19.90	18.0	6.100	-0.720	-5.370	-0.860	0.860	2.030	6.240	83	207	0.000	4	338	-6.240	5	69	6.240	24	164	40	97	334	50	84	5.8
E197008190201A	1970-08-19	02:01:00	41.10	19.80	19.0	0.960	-0.210	-0.750	0.580	-1.090	0.400	1.570	64	62	0.000	0	152	-1.570	25	242	1.570	24	332	19	90	152	70	89	5.4
E190812280420A	1908-12-28	04:20:28	38.10	15.40	0.0	-3.400	-0.290	3.700	1.360	0.680	0.710	3.940	7	281	0.000	18	14	-3.940	69	171	3.940	26	351	41	-119	207	54	-67	7.0
E196208211809A	1962-08-21	18:09:00	41.00	15.00	0.0	-2.650	-1.040	3.690	2.490	-0.490	-1.760	4.520	11	67	0.000	35	329	-4.520	52	172	4.520	24	193	46	-35	309	65	-129	5.7
E196801150133A	1968-01-15	01:33:00	37.80	13.00	0.0	4.060	-4.060	0.000	-0.720	-3.790	4.520	7.200	49	115	0.000	38	312	-7.200	8	215	7.200	24	270	49	34	155	63	134	5.8
E199402011757A	1994-02-01	17:57:00	37.76	19.86	19.0	2.700	0.170	-2.870	0.700	-0.920	-0.450	3.050	72	33	0.000	15	183	-3.050	8	276	3.050	24	23	39	115	172	55	70	5.5
E196605250906A	1966-05-25	09:06:57	40.32	19.82	21.0	-0.940	2.190	-1.240	0.010	-1.410	1.400	2.750	7	157	0.000	51	57	-2.750	36	254	2.750	23	289	58	-22	31	70	-146	4.9
E196608060231A	1966-08-06	02:31:03	42.18	18.79	3.0	-0.550	0.190	0.360	0.290	0.730	-1.050	1.400	11	230	0.000	46	332	-1.400	41	131	1.400	24	279	53	-155	174	70	-39	5.3
E196608090334A	1966-08-09	03:34:15	40.22	19.86	38.0	-0.250	1.150	-0.900	-0.360	1.340	-1.310	2.180	23	212	0.000	49	332	-2.180	31	108	2.180	23	253	50	-173	158	84	-40	4.8
E196608160353A	1966-08-16	03:53:41	40.16	19.75	20.0	1.860	0.270	-2.120	0.710	-0.420	-0.240	2.180	68	17	0.000	21	182	-2.180	5	274	2.180	23	25	43	121	165	53	63	4.8
E196608201205A	1966-08-20	12:05:19	42.18	18.65	33.0	0.580	1.580	-2.150	0.960	-0.730	-0.910	2.450	31	16	0.000	56	174	-2.450	10	280	2.450	24	54	60	164	152	76	30	5.5
E196612081131A	1966-12-08	11:31:20	42.17	18.87	47.0	0.420	-1.030	0.610	-0.040	0.520	-0.220	1.060	38	262	0.000	50	80	-1.060	1	172	1.060	24	300	62	150	44	64	30	5.2
E196707131438A	1967-07-13	14:38:58	40.66	19.67	73.0	-0.680	0.270	0.410	0.430	0.540	-1.020	1.360	2	228	0.000	44	320	-1.360	45	134	1.360	23	281	57	-146	172	62	-37	4.6
E196707201903A	1967-07-20	19:03:30	40.72	19.88	58.0	6.950	-0.800	-6.150	2.240	2.670	4.170	8.540	65	322	0.000	24	155	-8.540	5	62	8.540	22	128	45	54	354	54	120	4.5
E196811030449A	1968-11-03	04:49:33	42.10	19.35	28.0	-0.200	-0.240	0.450	0.240	0.780	-0.550	1.060	27	252	0.000	37	6	-1.060	39	135	1.060	24	290	38	-168	191	82	-52	5.2
E196901100432A	1969-01-10	04:32:03	39.23	19.97	37.0	-6.650	8.050	-1.400	-1.150	3.370	2.180	8.540	1	168	0.000	27	259	-8.540	61	75	8.540	22	232	49	-127	102	52	-53	4.5
E196904081548A	1969-04-08	15:48:50	40.67	19.77	17.0	0.530	0.490	-1.020	0.850	-0.150	-1.260	1.720	34	25	0.000	53	222	-1.720	7	121	1.720	23	169	59	20	68	72	148	4.7
E196908091625A	1969-08-09	16:25:35	42.33	19.22	30.0	-1.450	-0.210	1.650	0.700	-0.970	-0.090	1.970	17	82	0.000	17	346	-1.970	65	213	1.970	23	197	31	-55	337	64	-109	4.8
E196908091701A	1969-08-09	17:01:03	42.27	19.14	30.0	-0.840	-0.220	1.060	-0.480	-0.070	-0.280	1.120	1	258	0.000	29	167	-1.120	60	349	1.120	23	14	51	-50	141	53	-128	4.6
E197010311607A	1970-10-31	16:07:39	42.10	19.35	39.0	0.960	-0.420	-0.540	0.470	1.400	1.970	2.600	40	309	0.000	47	153	-2.600	12	49	2.600	23	97	52	22	353	72	140	4.8
E197209160353A	1972-09-16	03:53:26	40.28	19.73	15.0	1.400	-2.230	0.830	0.850	1.160	1.310	2.750	46	294	0.000	43	102	-2.750	6	198	2.750	23	325	54	147	75	64	40	4.9
E197304071930A	1973-04-07	19:30:09	41.47	19.90	20.0	-0.930	5.320	-4.400	5.400	-3.170	3.070	8.540	28	353	0.000	42	112	-8.540	35	242	8.540	22	31	42	-173	296	85	-47	4.5
E197306062111A	1973-06-06	21:11:22	42.31	18.73	40.0	0.350	1.440	-1.790	-0.790	-0.620	0.380	1.970	29	169	0.000	57	19	-1.970	14	266	1.970	23	311	59	11	215	80	148	4.8
E197308080823A	1973-08-08	08:23:48	41.69	19.43	39.0	1.950	-0.150	-1.800	-0.050	-0.210	0.520	1.970	85	121	0.000	3	344	-1.970	2	254	1.970	23	340	42	85	166	47	94	4.8
E197410201125A	1974-10-20	11:25:50	39.57	18.83	1.0	0.580	3.170	-3.740	1.590	0.780	4.590	6.040	18	333	0.000	71	153	-6.040	0	243	6.040	23	17	77	167	109	77	13	5.1
E197501241633A	1975-01-24	16:33:04	41.14	19.17	33.0	1.630	-0.330	-1.300	-0.490	-0.590	1.020	1.970	65	139	0.000	23	330	-1.970	3	239	1.970	23	305	45	56	169	53	119	4.8
E197509160506A	1975-09-16	05:06:19	41.54	19.33	25.0	-2.090	3.020	-0.930	5.010	-1.540	5.400	7.990	20	331	0.000	45	83	-7.990	38	225	7.990	23	15	47	-164	274	78	-43	5.2
E197509161845A	1975-09-16	18:45:48	41.52	19.28	46.0	-1.550	0.730	0.820	-0.720	-0.390	-1.170	1.970	3	224	0.000	26	132	-1.970	62	322	1.970	23	340	47	-52	111	54	-123	4.8
E197603021941A	1976-03-02	19:41:34	40.66	19.59	11.0	-0.470	-0.480	0.950	0.620	-0.200	0.870	1.360	2	296	0.000	53	30	-1.360	35	203	1.360	23	346	63	-154	244	67	-29	4.6
E197610221123A	1976-10-22	11:23:27	39.72	18.93	45.0	-1.190	1.830	-0.650	-1.210	-1.570	0.500	2.600	24	159	0.000	27	55	-2.600	52	283	2.600	23	290	32	-30	47	74	-118	4.8
E197712030539A	1977-12-03	05:39:30	40.15	19.89	42.0	1.840	-1.620	-0.210	-0.610	0.860	0.780	2.180	71	254	0.000	13	120	-2.180	13	26	2.180	23	99	33	65	308	59	105	4.8
E197812030810A	1978-12-03	08:10:52	40.92	19.65	38.0	-0.850	-1.210	2.060	-1.130	-0.290	0.410	2.180	9	99	0.000	48	200	-2.180	40	2	2.180	23	149	55	-155	44	69	-37	4.8
E197904060210A	1979-04-06	02:10:21	41.95	19.04	13.0	0.770	-0.360	-0.410	-0.240	-0.760	0.940	1.400	50	126	0.000	37	328	-1.400	11	229	1.400	24	282	47	33	168	66	132	5.3
E197904151107A	1979-04-15	11:07:30	42.09	18.98	9.0	0.130	1.720	-1.850	0.480	0.120	0.650	1.970	14	349	0.000	74	173	-1.970	0	80	1.970	23	125	78	10	34	80	168	4.8
E197904161004A	1979-04-16	10:04:39	41.94	19.23	21.0	-0.360	0.570	-0.210	1.020	0.280	-0.760	1.400	25	20	0.000	36	269	-1.400	41	137	1.400	24	160	38	-15	262	80	-127	5.3
E197904162300A	1979-04-16	23:00:26	41.91	19.37	10.0	0.780	-2.100	1.320	0.120	-1.350	1.250	2.600	34	103	0.000	53	304	-2.600	9	201	2.600	23	248	58	19	147	73	146	4.8
E197904171806A	1979-04-17	18:06:17	42.11	19.08	10.0	-0.510	-0.800	1.320	-0.700	1.430	2.830	3.440	12	302	0.000	60	189	-3.440	26	37	3.440	23	77	62	-10	172	80	-152	4.9
E197904180350A	1979-04-18	03:50:06	41.93	19.11	17.0	-0.910	-2.430	3.340	-1.500	0.270	0.770	3.440	1	277	0.000	58	185	-3.440	31	7	3.440	23	48	67	-22	146	69	-156	4.9
E197904190017A	1979-04-19	00:17:35	41.93	19.12	12.0	-3.400	0.520	2.880	1.370	1.510	-2.560	4.560	4	238	0.000	29	331	-4.560	60	141	4.560	23	300	48	-131	173	55	-53	5.0
E197904190542A	1979-04-19	05:42:49	42.02	18.98	6.0	1.780	-0.380	-1.400	-0.850	-0.890	1.620	2.600	56	140	0.000	33	327	-2.600	3	234	2.600	23	294	51	44	173	56	131	4.8
E197904210433A	1979-04-21	04:33:02	41.79	19.12	10.0	1.200	0.330	-1.530	-1.090	0.230	0.810	1.970	53	172	0.000	33	326	-1.970	11	64	1.970	23	189	44	142	308	64	52	4.8
E197904220632A	1979-04-22	06:32:13	41.95	19.14	4.0	0.980	0.140	-1.130	-1.090	-0.650	2.010	2.600	38	144	0.000	51	320	-2.600	2	53	2.600	23	182	62	152	285	65	30	4.8
E197904280338A	1979-04-28	03:38:03	42.20	18.73	10.0	-0.430	0.980	-0.540	-0.290	1.800	-1.650	2.600	24	221	0.000	43	337	-2.600	35	111	2.600	23	261	44	-170	164	83	-45	4.8
E197904301700A	1979-04-30	17:00:06	42.25	18.78	10.0	0.890	-4.110	3.210	-1.150	1.710	-1.600	4.560	27	255	0.000	60	96	-4.560	8	350	4.560	23	36	63	14	300	77	153	5.0
E197905140953A	1979-05-14	09:53:07	41.94	19.16	9.0	-0.470	2.620	-2.150	-1.160	-1.020	-1.900	3.440	11	196	0.000	62	83	-3.440	24	292	3.440	23	332	63	-9	66	81	-153	4.9
E197906202118A	1979-06-20	21:18:21	42.17	18.69	49.0	2.980	-4.540	1.560	0.350	2.150	0.300	4.560	54	274	0.000	35	90	-4.560	2	182	4.560	23	303	53	137	62	56	45	5.0
E197910211131A	1979-10-21	11:31:08	41.14	19.94	2.0	0.330	-1.450	1.120	0.200	-1.430	1.940	2.750	26	113	0.000	57	330	-2.750	16	212	2.750	23	255	58	7	161	83	148	4.9
E197911080203A	1979-11-08	02:03:54	41.12	19.65	13.0	1.480	0.310	-1.790	-1.110	0.150	0.860	2.180	56	171	0.000	31	331	-2.180	8	66	2.180	23	188	45	137	311	61	53	4.8
E198007071032A	1980-07-07	10:32:04	40.63	19.27	13.0	1.210	-0.420	-0.790	-0.890	0.440	-1.330	1.970	52	216	0.000	37	46	-1.970	5	312	1.970	23	9	51	39	252	60	134	4.8
E198103261739A	1981-03-26	17:39:45	41.87	19.40	2.0	1.560	0.010	-1.570	0.800	0.170	0.880	1.970	63	340	0.000	26	153	-1.970	3	245	1.970	23	0	48	127	131	53	55	4.8
E198107080359A	1981-07-08	03:59:52	41.12	19.85	11.0	6.070	-5.400	-0.660	-3.780	2.090	-4.590	8.540	59	226	0.000	29	67	-8.540	9	331	8.540	22	31	44	45	265	60	124	4.5
E198205011600A	1982-05-01	16:00:27	41.91	19.16	5.0	1.900	-0.370	-1.530	0.380	-0.030	0.820	1.970	79	349	0.000	9	151	-1.970	2	241	1.970	23	341	42	104	143	48	77	4.8
E198210290817A	1982-10-29	08:17:35	42.06	19.26	3.0	-0.710	-0.370	1.080	0.850	0.430	-1.440	1.970	1	57	0.000	52	325	-1.970	36	149	1.970	23	187	63	-26	289	66	-150	4.8
E198211170037A	1982-11-17	00:37:54	40.84	19.54	30.0	-0.450	0.150	0.300	0.090	-1.650	1.360	2.180	26	122	0.000	38	9	-2.180	39	238	2.180	23	263	39	-12	3	82	-128	4.8
E198301050403A	1983-01-05	04:03:29	41.99	19.21	10.0	-0.270	-3.750	4.020	-1.840	1.480	-0.220	4.560	19	264	0.000	58	139	-4.560	24	2	4.560	23	42	58	-3	134	86	-148	5.0
E198312250256A	1983-12-25	02:56:10	41.91	19.07	10.0	-3.240	2.860	0.380	-3.530	-1.180	-3.620	6.040	14	209	0.000	35	109	-6.040	50	319	6.040	23	338	42	-32	93	68	-128	5.1

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen N	plunge N	azimuth N	eigen P	plunge P	azimuth P	Seismic Moment	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw
E198403301015A	1984-03-30	10:15:21	41.09	20.00	3.0	1.000	-0.310	-0.700	0.000	0.350	-0.500	1.080	77	250	0.000	10	31	-1.080	8	123	1.080	23	224	38	106	24	53	77	4.6
E198406292318A	1984-06-29	23:18:34	41.20	19.72	28.0	-8.280	1.970	6.310	-0.070	1.900	-3.630	8.540	5	241	0.000	5	331	-8.540	81	106	8.540	22	324	39	-99	156	51	-82	4.5
E198511211923A	1985-11-21	19:23:06	42.33	19.92	2.0	-0.500	0.870	-0.360	-0.190	0.500	0.550	1.080	0	339	0.000	46	248	-1.080	43	69	1.080	23	105	61	-33	212	61	-146	4.6
E198511212316A	1985-11-21	23:16:27	41.73	19.38	42.0	-3.620	-2.800	6.420	4.600	-3.160	-1.280	7.990	20	74	0.000	33	329	-7.990	49	189	7.990	23	206	38	-27	318	73	-125	5.2
E198511222206A	1985-11-22	22:06:59	42.33	19.92	2.0	-0.960	0.420	0.540	-0.230	0.240	0.590	1.080	0	311	0.000	18	221	-1.080	70	44	1.080	23	60	47	-63	204	48	-115	4.6
E198511222217A	1985-11-22	22:17:37	42.33	19.92	6.0	-1.140	-0.220	1.350	0.500	-0.090	0.120	1.360	1	94	0.000	23	3	-1.360	66	186	1.360	23	206	48	-57	342	50	-121	4.6
E198511230819A	1985-11-23	08:19:48	42.32	19.90	3.0	-1.060	0.460	0.610	-0.390	0.410	0.830	1.360	1	312	0.000	27	221	-1.360	62	43	1.360	23	67	50	-52	197	52	-126	4.6
E198511231732A	1985-11-23	17:32:30	42.31	19.93	2.0	7.610	-0.350	-7.260	-0.350	-3.840	-1.660	8.540	76	88	0.000	3	191	-8.540	13	282	8.540	22	16	31	95	189	58	86	4.5
E198511241253A	1985-11-24	12:53:46	42.33	18.81	5.0	-0.060	0.240	-0.180	0.510	-0.380	6.000	6.040	0	316	0.000	83	55	-6.040	5	225	6.040	23	1	85	-176	270	86	-4	5.1
E198511241345A	1985-11-24	13:45:04	42.34	18.82	7.0	-0.160	0.380	-0.220	-0.330	0.250	0.920	1.060	5	145	0.000	65	248	-1.060	23	52	1.060	24	191	68	-166	96	77	-21	5.2
E198511241506A	1985-11-24	15:06:42	42.36	18.85	6.0	4.220	-2.800	-1.420	1.410	0.170	2.220	4.560	75	333	0.000	12	123	-4.560	6	214	4.560	23	318	39	109	114	53	74	5.0
E198511252349A	1985-11-25	23:49:50	41.75	19.33	19.0	-1.370	0.290	1.080	-0.450	1.330	-0.580	1.970	22	244	0.000	4	336	-1.970	66	77	1.970	23	325	22	-101	158	67	-85	4.8
E198512210149A	1985-12-21	01:49:39	42.31	19.97	2.0	-7.430	0.480	6.950	1.330	-3.200	3.020	8.540	9	109	0.000	16	16	-8.540	71	227	8.540	22	217	38	-63	5	56	-109	4.5
E198512211118A	1985-12-21	11:18:12	42.31	19.96	2.0	-1.130	0.710	0.420	-0.480	0.260	0.770	1.360	4	142	0.000	23	234	-1.360	65	40	1.360	23	208	45	-124	72	54	-60	4.6
E198512270948A	1985-12-27	09:48:42	42.35	19.89	1.0	-1.620	0.510	1.110	-0.420	0.100	0.860	1.720	2	126	0.000	13	216	-1.720	75	24	1.720	23	202	43	-110	48	49	-71	4.7
E198601131348A	1986-01-13	13:48:03	41.30	19.77	25.0	1.030	0.300	-1.330	0.860	0.140	0.870	1.720	50	341	0.000	38	151	-1.720	4	244	1.720	23	8	52	141	124	60	44	4.7
E198603242213A	1986-03-24	22:13:16	43.27	18.92	10.0	-0.080	1.020	-0.940	0.350	-0.280	1.020	1.480	7	338	0.000	72	93	-1.480	15	245	1.480	23	22	72	-174	291	84	-17	4.7
E198606072003A	1986-06-07	20:03:25	41.26	19.63	12.0	-0.240	0.660	-0.420	-1.360	0.880	0.140	1.720	38	194	0.000	18	299	-1.720	46	50	1.720	23	223	18	-166	121	85	-71	4.7
E198606072006A	1986-06-07	20:06:27	41.27	19.64	11.0	1.010	-0.240	-0.760	0.190	0.200	0.510	1.080	74	321	0.000	14	149	-1.080	1	59	1.080	23	134	45	68	342	48	109	4.6
E198610181513A	1986-10-18	15:13:46	39.69	19.34	9.0	0.880	0.220	-1.100	-0.450	-0.200	0.000	1.120	63	169	0.000	26	4	-1.120	6	271	1.120	23	335	45	51	203	56	121	4.6
E198701070039A	1987-01-07	00:39:27	40.44	19.61	10.0	-0.980	0.620	0.360	0.190	-0.630	0.830	1.360	7	137	0.000	30	42	-1.360	59	238	1.360	23	256	46	-46	22	58	-125	4.6
E198801041851A	1988-01-04	18:51:54	39.64	19.29	5.0	0.400	-0.330	-0.070	0.300	-0.930	0.410	1.120	51	90	0.000	19	333	-1.120	30	231	1.120	23	275	22	29	157	78	110	4.6
E198801090710A	1988-01-09	07:10:52	41.19	19.68	10.0	-0.750	1.120	-0.380	-0.880	-0.700	-1.590	2.180	7	209	0.000	51	109	-2.180	36	306	2.180	23	341	58	-22	83	70	-146	4.8
E198803162002A	1988-03-16	20:02:05	40.01	19.73	1.0	0.250	-0.600	0.350	0.440	0.770	-0.310	1.080	44	273	0.000	31	39	-1.080	30	150	1.080	23	292	32	165	34	82	58	4.6
E198803191152A	1988-03-19	11:52:35	42.10	19.24	7.0	-0.590	1.010	-0.410	-0.440	-0.510	-0.180	1.120	13	181	0.000	36	81	-1.120	49	289	1.120	23	310	44	-31	64	68	-129	4.6
E199707301606A	1997-07-30	16:06:34	37.25	14.76	22.5	-0.080	-0.440	0.520	0.470	0.170	-2.510	2.600	3	50	0.000	78	301	-2.600	10	140	2.600	23	184	79	-5	275	85	-169	4.8
E199709160603A	1997-09-16	06:03:59	37.12	14.61	17.3	1.790	-6.870	5.080	0.170	-3.680	-4.480	8.470	28	73	0.000	61	239	-8.470	6	340	8.470	22	113	65	163	209	75	25	4.5
E190211280000A	1902-11-28	00:00:28	37.21	15.55	22.6	-4.240	2.330	1.900	-0.900	-5.110	-5.600	8.470	14	49	0.000	37	150	-8.470	48	302	8.470	22	99	45	-149	347	69	-49	4.5
E199003280547A	1990-03-28	05:47:31	38.17	14.94	23.1	0.000	-7.960	7.960	2.050	-2.050	0.000	8.470	13	88	0.000	70	315	-8.470	13	181	8.470	22	225	70	0	315	90	-160	4.5
E196604071958A	1966-04-07	19:58:04	44.12	7.39	6.0	1.410	-1.030	-0.380	-0.120	-0.310	0.710	1.480	77	117	0.000	12	303	-1.480	1	212	1.480	23	290	45	71	135	47	107	4.7
E196510241216A	1965-10-24	12:16:56	46.36	7.48	5.0	-0.860	1.240	-0.380	-0.090	0.800	-0.590	1.480	8	201	0.000	37	298	-1.480	50	99	1.480	23	255	48	-144	140	63	-47	4.7
E197008180425A	1970-08-18	04:25:31	46.29	7.60	4.0	-2.860	2.840	0.030	4.630	-1.770	6.260	8.470	14	325	0.000	47	71	-8.470	39	224	8.470	22	12	51	-159	269	74	-39	4.5
E197102011226A	1971-02-01	12:26:06	44.43	7.26	2.0	-0.770	0.740	0.030	0.240	0.460	-0.650	1.120	0	211	0.000	33	301	-1.120	55	119	1.120	23	271	53	-134	149	54	-46	4.6
E197106062159A	1971-06-06	21:59:11	44.61	6.73	2.0	3.120	-4.640	1.520	-3.060	-2.970	6.070	8.470	37	124	0.000	51	292	-8.470	5	29	8.470	22	159	59	155	263	68	32	4.5
E198001051432A	1980-01-05	14:32:29	45.01	7.35	7.0	0.210	0.530	-0.740	0.340	-0.980	-1.390	1.850	27	38	0.000	55	178	-1.850	18	297	1.850	24	75	55	172	169	84	34	5.4
E198010102142A	1980-10-10	21:42:52	44.41	7.07	5.0	2.280	-6.430	4.150	-4.370	4.560	-0.160	8.470	42	254	0.000	37	120	-8.470	25	8	8.470	22	50	39	15	307	79	128	4.5
E198102080430A	1981-02-08	04:30:10	45.12	7.47	2.0	0.410	0.320	-0.730	-0.630	-0.260	1.160	1.480	32	148	0.000	57	319	-1.480	4	56	1.480	23	187	64	159	286	71	26	4.7
E198109261354A	1981-09-26	13:54:46	46.33	7.29	5.0	0.140	-0.410	0.280	0.070	-0.590	-1.310	1.480	21	54	0.000	65	204	-1.480	11	320	1.480	23	95	67	172	188	83	23	4.7
E198208061329A	1982-08-06	13:29:35	44.88	8.22	5.0	-0.930	0.130	0.790	0.170	0.950	-0.720	1.480	17	244	0.000	25	342	-1.480	57	122	1.480	23	300	35	-138	174	67	-62	4.7
E198405030856A	1984-05-03	08:56:52	46.09	6.50	5.0	7.810	-2.390	-5.420	2.300	0.590	4.270	8.470	74	334	0.000	15	143	-8.470	3	234	8.470	22	339	44	112	129	50	69	4.5
E198411050756A	1984-11-05	07:56:01	45.31	6.55	5.0	-2.120	1.700	0.420	0.320	-5.630	6.020	8.470	20	130	0.000	44	18	-8.470	37	238	8.470	22	267	46	-14	8	79	-135	4.5
E195909011137A	1959-09-01	11:37:40	40.90	19.80	0.0	3.640	-0.010	-3.630	-0.470	-2.170	0.880	4.350	71	119	0.000	11	353	-4.350	14	260	4.350	25	334	32	68	179	60	103	6.3
E196203181530A	1962-03-18	15:30:30	40.70	19.60	0.0	1.160	-0.210	-0.960	1.110	-2.370	0.450	2.860	57	65	0.000	0	335	-2.860	32	244	2.860	24	334	12	89	155	77	90	5.5
E196908260215A	1969-08-26	02:15:37	41.70	20.00	0.0	3.130	-0.330	-2.800	0.500	-1.440	0.960	3.480	77	70	0.000	0	161	-3.480	12	251	3.480	23	341	32	90	161	57	89	4.9
E195804030223A	1958-04-03	02:23:42	41.10	19.80	0.0	-0.640	-0.180	0.820	1.150	-0.650	-0.500	1.590	28	55	0.000	23	311	-1.600	52	187	1.590	24	189	27	-29	305	76	-114	5.4
E195908170133A	1959-08-17	01:33:14	40.90	19.80	0.0	-1.510	-0.920	2.440	1.560	-0.190	-1.100	2.860	9	70	0.000	40	332	-2.860	48	170	2.860	24	197	50	-32	309	65	-135	5.5
E195910052034A	1959-10-05	20:34:04	40.90	19.80	0.0	-1.780	4.320	-2.540	-6.010	2.250	4.860	8.880	25	161	0.000	41	276	-8.880	38	50	8.880	23	201	42	-168	103	82	-48	5.2
E195910070830A	1959-10-07	08:30:40	40.90	19.90	0.0	0.380	-0.750	0.370	1.120	-0.380	-0.850	1.590	40	47	0.000	38	273	-1.590	25	161	1.590	24	201	40	13	101	81	129	5.4
E199602201409A	1996-02-20	14:09:00	44.51	17.24	10.0	-0.470	0.420	0.050	1.230	-3.670	0.190	3.630	43	72	0.500	0	341	-4.130	46	250	3.880	23	182	1	-69	341	88	-90	5.0
E192803270832A	1928-03-27	08:32:31	46.25	13.02	4.0	0.000	-5.330	5.330	0.000	0.000	-5.330	7.530	0	247	0.000	90	180	-7.530	0	157	7.530	24	292	90	-180	22	90	0	5.8
E195611051945A	1956-11-05	19:45:25	46.34	12.58	2.0	0.000	-0.630	0.630	0.000	0.000	-4.510	4.560	0	228	0.000	90	180	-4.560	0	138	4.560	23	273	90	-180	3	90	0	5.0
E195904261445A	1959-04-26	14:45:16	46.28	13.00	5.0	-0.220	-1.110	1.330	0.540	0.040	-0.630	1.480	3	75	0.000	66	338	-1.480	23	167	1.480	23	209	71	-14	303	76	-160	4.7
E196406301229A	1964-06-30	12:29:59	47.36	15.48	12.0	0.210	0.580	-0.800	0.360	0.450	1.010	1.360	24	329	0.000	63	172	-1.360	8	64	1.360	23	109	65	11	14	79	155	4.6
E196701290012A	1967-01-29	00:12:12	47.53	14.19	7.0	-1.030	3.880	-2.850	0.080	3.980	6.700	8.540	13	325	0.000	61	209	-8.540	24	61	8.540	22	101	62	-8	195	82	-152	4.5
E197204161010A	1972-04-16	10:10:03	47.44	16.09	9.0	-1.750	-2.030	3.780	1.960	2.160	-3.420	5.560	9	248	0.000	52	351	-5.560	35	150	5.560	23	295	57	-159	194	72	-34	5.1
E197312120002A	1973-12-12	00:02:38	47.03	14.05	13.0	0.280	1.380	-1.660	-2.920	0.080	-7.880	8.540	15	217	0.000	69	76	-8.540	11	311	8.540	22	355	70	2	264	87	160	4.5
E197406202226A	1974-06-20	22:26:31	46.12	15.32	4.0	-0.140	-8.230	8.370	-1.260	0.780	0.870	8.470	4	272	0.000	79	154	-8.470	8	3	8.470	22	47	80	-2	138	87	-170	4.5
E197707161313A	1977-07-16	13:13:31	46.19	14.21	3.0	0.690	-0.040	-0.650	-0.150	0.870	0.170	1.120	63	262	0.000	2	168	-1.120	25	77	1.120	23	161	19	82	348	70	92	4.6
E198404151057A	1984-04-15	10:57:53	47.40	15.52	8.0	-0.340	-0.010	0.350	0.460	0.710	-1.980	2.180	5	228	0.000	65	329	-2.180	24	136	2.180	23	275	69	-166	180	77	-21	4.8
E198405241956A	1984-05-24	19:56:04	47.39	15.55	8.0	-0.310	-0.750	1.060	0.490	0.130	-0.150	1.080	3	266	0.000	56	2	-1.080	32	173	1.080	23	315	64	-158	215	70	-27	4.6
E196608201908A	1966-08-20	19:08:19	42.08	18.93	8.2	0.890	-0.170	-0.720	-1.070	2.200	0.350	2.600	54	244	0.000	0	334	-2.600	35	64	2.600	23	154	9	90	334	80	89	4.8
E199601211217A	1996-01-21	12:17:00	39.98	13.28	39.0	0.000	-1.910	1.910	0.100	0.170	-1.100	2.210	3	255	0.000	84	29	-2.210	3	164	2.210	23	299	84	-179	209	89	-5	4.8
E198307312052A	1983-07-31	20:52:56	46.75	10.46	1.0	0.000	-1.080	1.080	-0.170	0.140	-0.190	1.120	8	264	0.000	78	129	-1.120	8	355	1.120	23	40	78	0	310	89	168	4.6
E193010080028A	1930-10-08	00:28:48	47.33	10.78	8.0	4.090	-2.990	-1.100	2.750	2.230	4.840	7.030	50	312	0.000	39	124	-7.030	4	218	7.030	23	342	53	142	96	60	42	5.1
E193406080313A	1934-06-08	03:13:09	46.30	12.50	20.0	0.000	-1.510	1.510	0.000	0.000	-1.260	1.970	0	250	0.000	90	180	-1.970	0	160	1.970	23	295	90	-180	25	90	0	4.8
E196806221221A	1968-06-22	12:21:37	45.81	11.21	24.0	0.000	-0.150	0.150	-0.090	-1.530	-1.220	1.970	33	61	0.000	38	183	-1.970	33	305	1.970	23	93	38	-179	3	89	-51	4.8
E197605061959A	1976-05-06	19:59:06	46.27	13.32	9.0	1.260	-1.030	-0.230	1.450	0.300	-0.560	1.970	64	358	0.000	7	251	-1.970	24	157	1.970	23	231	21	68	74	69	98	4.8
E197605100435A	1976-05-10	04:35:52	46.24	13.15	2.0	1.170	-0.990	-0.180	0.870	0.280	-0.430	1.480	70	346	0.000	2	248	-1.480	18	157	1.480	23	243	26	84	70	63	92	4.7
E197606081214A	1976-06-08	12:14:38	46.31	13.24	10.0	0.970	-1.060	0.090	0.240	-0.330	-0.230	1.120	69	67	0.000	20	262	-1.120	5	170	1.120	23	239	43	60	98	53	115	4.6
E197609131854A	1976-09-13	18:54:46	46.29	13.20	5.0	0.730	-0.910	0.180	0.540	-0.370	-0.360	1.120	57	55	0.000	28	266	-1.120	13	168	1.120	23	225	40	41	101	64	122	4.6
E197609150438A	1976-09-15	04:38:54	46.29	13.16	12.0	1.120	-0.080	-1.040	2.590	1.870	-0.700	3.440	53	335	0.000	10	230	-3.440	34	132	3.440	23	183	14	41	52	80	100	4.9
E197609150945A	1976-09-15	09:45:57	46.30	13.29	15.0	0.640	-0.900	0.260	0.380	-0.450	-0.510	1.120	50	63	0.000	39	257	-1.120	7	161	1.120	23	216	50	35	102	62	135	4.6
E197612130524A	1976-12-13	05:24:03	45.92	10.83	2.0	-0.100	0.490	-0.390	-0.100	1.110	-1.550	1.970	21	222	0.000	55	347	-1.970	25	121	1.970	23	263	55	-176	171	87	-34	4.8
E197704030318A	1977-04-03	03:18:14	46.30	13.16	5.0	1.680	-1.010	-0.670	0.490	-0.840	0.880	1.970	73	74	0.000	8	314	-1.970	14	221	1.970	23	299	31	73	139	59	100	4.8
E197804031049A	1978-04-03	10:49:46	46.29	13.18	7.0	6.780	-5.350	-1.430	-0.810	-3.450	4.580	8.470	63	114	0.000	25	307	-8.470	4	215	8.470	22	279	45	53	146	54	121	4.5
E197812121514A	1978-12-12	15:14:49	46.33	12.71	8.0	1.090	-1.000	-0.090	1.000	0.130	-0.320	1.480	68	0	0.000	5	256	-1.480	21	164	1.480	23	245	24	77	79	66	95	4.7
E197411231846A	1974-11-23	18:46:00	39.74	18.94	49.0	2.080	-5.030	2.960	1.710	2.970	-0.440	5.580	41	275	0.000	44	65	-5.580	15	171	5.580	23	304	48	157	49	73	43	5.1
E199607150013A	1996-07-15	00:13:30	45.94	6.09	2.0	-0.230	1.820	-1.580	-0.270	-0.640	-0.140	1.850	7	181	0.000	66	74	-1.850	22	273	1.850	24	315	69	-10	49	79	-159	5.4
E193804130245A	1938-04-13	02:45:46	39.20	15.20	70.0	-0.620	-0.710	1.330	-0.790	-0.180	-0.870	1.660	2	248	0.000	51	155	-1.660	37	341	1.660	26	18	61	-26	121	66	-149	6.7
E194103161635A	1941-03-16	16:35:15	38.50	11.50	0.0	-0.950	0.210	0.740	0.010	-0.280	0.420	1.000	7	118	0.000	8	26	-1.000	79	247	1.000	26	217	38	-76	20	52	-100	6.6
E195602011510A	1956-02-01	15:10:46	39.50	16.00	0.0	-1.490	0.090	1.400	-1.280	-1.440	0.590	2.480	25	117	0.000	10	213	-2.480	62	324	2.480	25	184	21	-119	36	71	-78	6.2
E196001032019A	1960-01-03	20:19:30	39.50	15.50	50.0	-1.910	0.390	1.520	-1.290	-0.530	1.090	2.480	15	125	0.000	18	221	-2.480	66	358	2.480	25	191	33	-123	50	62	-69	6.2
E196005260510A	1960-05-26	05:10:05	40.00	20.00	0.0	-0.200	2.110	-1.910	0.120	2.050	5.250	5.990	11	323	0.000	69	198	-5.990	15	57	5.990	25	99	70	-2	190	87	-160	6.4
E196208211819A	1962-08-21	18:19:33	41.40	15.50	34.0	-0.940	0.140	0.800	0.740	-0.370	-0.530	1.320	17	54	0.000	18	318	-1.320	63	186	1.320	25	171	31	-53	310	65	-110	6.0
G200210022257A	2002-10-02	22:57:25	38.46	13.72	5.0	2.270	-1.370	-0.900	-1.070	0.490	-1.050	2.720	68	215	-0.440	19	57	-2.280	7	324	2.500	23	33	41	58	252	55	114	4.8
H200005070044A	2000-05-07	00:44:06	44.34	11.96	12.0	0.770	-0.430	-0.340	0.560	-0.160	0.610	0.990	66	350	0.150	16	125	-1.140	15	220	1.070	23	333	32	122	116	62	70	4.6
H200101042220A	2001-01-04	22:20:59	38.95	14.75	402.0	0.150	0.160	-0.310	0.790	0.620	0.120	1.140	45	330	-0.230	12	227	-0.910	42	125	1.030	23	143	12	6	47	88	102	4.6
H200312060018A	2003-12-06	00:18:55	41.94	19.22	24.0	1.050	-0.170	-0.890	0.560	0.200	0.980	1.430	57	329	0.160	32	141	-1.580	3	234	1.510	23	353	50	134	117	56	50	4.7
H200403030213A	2004-03-03	02:13:26	39.77	15.23	21.0	-0.270	-0.500	0.770	0.180	0.120	0.750	1.140	7	295	-0.270	76	57	-0.870	11	203	1.010	23	339	76	-177	249	87	-13	4.6