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*Supplement of*

## **Style of faulting of expected earthquakes in Italy as an input for seismic hazard modeling**

**Silvia Pondrelli et al.**

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Table S1 - Number (s=shallow, d=deep) and names of seismic zones, depth of upper and lower values of thickness attributed to each of them in ZS16 (5° and 95° percentile of hypocentral distribution of seismicity with  $M_w \geq 2.5$ ).

N.	Seismic Zone	ZS16 depth 5°pct (km)	ZS16 depth 95°pct (km)
1	Idria	0	22
2	Slovenia	0	20
3	Friuli	0	17
4	Valtellina - Alto Adige	0	25
5	Innsbruck	0	23
6	Grigioni	0	12
7	Garda-Soncino	0	21
8	Montreux	0	24
9	Vallese	0	15
10	Western Alps	4	21
11	Piemonte	6	32
12	Mantova-Verona	0	29
13	Pianura veneta	0	25
14	Imperiese	3	21
15	Mar Ligure	7	21
16	Tortona-Bobbio	1	26
17	Spezia-North of Tuscany	1	13
18	Lunigiana-Casentino	0	17
19s	Tuscany-Emilia Apennines Shallow	1	15
19d	Tuscany-Emilia Apennines Deep	15	30
20s	Emilia Shallow	1	15
20d	Emilia Deep	15	30
21	Ferrara Arc	2	16
22	Geothermal reg. Tuscany Latium	0	17
23	Trasimeno-Southern Latium	0	19
24	Umbria-Abruzzo	0	14
25s	Inner part of Marche	1	15
25d	Inner part of Marche	15	30
26	Rimini-Conero-Majella	0	30

N.	Seismic Zone	ZS16 depth 5°pct (km)	ZS16 depth 95°pct (km)
27	Northern Tyrrhenian Coast	0	22
28	Colli Albani	0	20
29	Chieti-Pescara	0	27
30	Central Adriatic Sea	0	32
31	Ischia-Vesuvio	0	4
32	Campania part of the Tyrrhenian coast	0	20
33	Sannio-Irpinia	0	17
34	Gargano	0	27
35	Ofanto	0	20
36	Potenza-Matera	0	27
37	Southern Puglia	0	28
38	Otranto channel	0	11
39	Calabrian part of the Tyrrhenian coast	0	22
40	Calabrian part of the Ionian coast	0	23
41	Ionian Sea	2	33
42	Sardegna-Corsica	1	24
43	Ustica-Alicudi	0	18
44	Eolie-Patti	0	18
45	Cefalù	0	20
46	Western Sicily	0	35
47	Malta-Lampedusa	4	23
48	Iblei	0	31
49	Etna	0	5
50	Southern Tyrrhenian Sea	0	22

Table S2: This table include the entire dataset collected for this work. For each event the following information are give: the ID of the event, date and time, latitude, longitude, depth, components of the seismic moment tensors, eigenvalues and eigenvectors of the P- and B-axes, strike, dip and slip of the two focal planes, the Mw and the n. of the seismic zone where the event is located (if any). The ID of each event starts with a letter that identifies the source of each single data. D means the data is from the DISS database (doi:10.6092/INGV.IT-DISS.2.1); R, B, C, S and T are centroid moment tensors (from the CMT Italian Dataset, doi:10.1312/rcm/italy), where R is for Regional CMT, S is for RCMs obtained with only surface wave inversion, B is for CMTs obtained with only body wave inversion, C is for RCMs obtained with combined body and surface waves inversion, T is for CMTs computed for tsunamigenic events; E is for data extracted from the EMMA dataset; G is for events from the ETH dataset.

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	Mw (Mn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
E19021128000A	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	--
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	39
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	39
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	24
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	3
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	--
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	5
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	3
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	3
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	228	0.000	0	130	-4.300	34	40	4.300	24	129	10	89	310	79	90	5.6	--
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	--
E19390211116A	1939-02-11	11:16:00	44.07	11.30	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	18
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	18
E194103161635A	1941-03-16	16:35:15	38.50	11.50	0.0	-0.950	0.210	0.740	0.410	-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	--
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	20
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	25
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	10
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	11
E195108082956A	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	25
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	32
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	9
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	--
E1956011120546A	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	--
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	3
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	--
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	3
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	--
E195705211444A	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	43
E195804030223A	1958-04-03	02:23:42	41.10	19.80	0.0	-0.840	-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	--
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	24
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	10
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	3
E195908170133A	1959-08-17	01:33:14	40.90	19.80	0.0	-1.510	-0.920	2.440	1.560	-0.190	-1.120	2.860	9	70	0.000	40	332	-2.860	48	170	2.860	24	197	50	-32	309	65	-135	5.5	--
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	--
E195910052034A	1959-10-05	20:34:00	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	19.80	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	10
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											

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	M <sub>0</sub> (dyn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
E196808190036	1968-08-19	00:36:00	46.31	6.79	9.0	-2.500	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	8
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	--
E19691100432A	1969-01-10	04:32:03	39.23	19.97	37.0	-6.850	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	--
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	50
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	--
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	--
E196904081548A	1969-04-08	15:48:50	40.67	19.77	17.0	0.530	0.490	-1.020	0.850	-0.150	-1.200	1.720	34	25	0.000	53	222	-1.720	7	121	1.720	23	169	59	20	68	72	148	4.7	--
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	--
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	--
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	--
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	--
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	--
E197008180425A	1970-08-18	04:25:31	46.29	7.60	4.0	-2.860	2.840	0.030	4.630	-1.770	6.280	8.470	14	325	0.000	47	71	-8.470	39	224	8.470	22	12	51	-159	269	74	-39	4.5	--
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	--
E197008191219A	1970-08-19	12:19:00	43.25	10.77	33.0	-1.900	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	22
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	--
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	--
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	--
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	22
E197102111849A	1971-02-11	18:49:00	43.20	12.69	4.0	-0.670	0.530	-0.690	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	24
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	-69	4.8	24
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	35
E197106060159A	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	--
E197107150113A	1971-07-15	01:33:22	44.78	10.34	8.0	0.180	0.350	-0.530	-0.480	-0.220	-0.670	1.190	36	196	0.000	41	64	-1.190	26	308	1.190	24	346	42	8	249	83	132	5.3	20
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	15
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	--
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	33
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	26
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	26
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	26
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	26
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	47
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	--
E197206141855A	1972-06-14	18:55:00	43.69	13.47	3.0	-0.200	1.780	-1.580	0.380	-0.570	1.740	1.970	6	349	0.000	68	97	-1.970	19	256	1.970	23	34	70	-170	301	81	-19	4.8	26
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	--
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														

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	M <sub>0</sub> (dyn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
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	32
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	32
B197803111920A	1978-03-11	19.20.49	38.10	16.03	33.0	-7.890	7.800	0.090	-1.160	-2.030	1.780	8.310	6	167	0.100	12	76	-8.470	77	282	8.360	23	270	41	-72	66	52	-105	5.2	40
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	3
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	44
B197807300519A	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	--
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	39
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	36
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	--
B197812051539A	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	20
E197812212514A	1978-12-21	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	3
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	7.780	24	82	44	156	190	74	49	5.8	--
B197901201349A	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	43
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	7
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	50
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	5.3	36
E197904062101A	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	--
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	--
B197904151025A	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	128	-2.260	10	224	2.430	23	294	38	61	149	57	111	4.8	--
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	319	-3.070	32	222	3.110	26	328	14	110	127	77	85	6.9	--
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	--
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	--
E197904162300A	1979-04-16	23.00.26	41.91	19.37	10.0	0.780	-2.100	1.320	1.120	-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	--
E197904161004A	1979-04-16	10.04.39	41.94	19.23	21.0	0.360	0.570	2.120	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	--
E1979041718061A	1979-04-17	18.06.17	42.11	18.08	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	--
B197904170539A	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	-2.000	32	230	2.450	23	311	13	79	142	77	93	4.8	--
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	--
R197904181519A	1979-04-18	15.19.19	46.36	13.28	14.3	0.100	-1.070	0.960	0.280	0.470	0.140	1.280	24	283	-0.100	64	80	-1.180	9	189	2.230	23	323	66	169	58	80	24	4.6	3
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	19.98	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	--
E197904220631A	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	--
E197904280383A	1979-04-28	03.83.03	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	281	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	--
B197905120330A	1979-05-12	03.30.34	42.33	18.76	10.0	0.920	1.310	-2.240	0.670	-0.860	-0.860	2.070	35	17	0.430	54	181	-2.490	8	281	2.280	23	33	60	159	154	72	32	4.8	--
E197905140953A	1979-05-14	09.53.07	41.94	19.16	9.0	-1.470	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	532	63	-9	66	81	-153	4.9	--
B1979052417231A	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	--
E197906202118A	1979-06-20	21.18.21	42.17	18.69	49.0	2.980	-4.540	1.560	3.250	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	--
B197909191355A	1979-09-19	13.55.37	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	24
E197909212327A	1979-09-21	23.27.00	38.91	14.78	34.0	-1.480	-0.010	1.490	1.310	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	--
E19791003257A	1979-10-03	25.75.52	43.53	18.08	10.0	-6.480	3.400	3.800	1.930	2.630	3.170	7.010	12	315	0.180	7	223	-7.190	76	104	7.190	23	54	34	-78	219				

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	M <sub>0</sub> (dyn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
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	6.550	22	143	27	-131	8	70	-71	4.5	24
S198210290817A	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	--
S198211162341A	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	--
S198211170037A	1982-11-17	00:37:54	40.84	19.54	30.0	-0.450	0.150	3.000	0.090	-1.650	3.360	2.180	26	122	0.000	38	9	-2.180	39	238	2.180	23	263	39	-12	3	82	-128	4.8	--
S198301050403A	1983-01-05	04:03:29	41.99	19.21	10.0	-0.270	-3.750	4.020	-1.840	1.480	-0.260	4.560	19	264	0.000	58	139	-4.560	24	2	4.560	23	42	58	-3	134	86	-148	5.0	--
S198307312052A	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	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	1.700	23	104	46	-115	318	49	-66	4.7	24
S198311091629A	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	5.000	23	14	43	29	262	71	129	5.0	20
S198312250256A	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	--
S198403111555A	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	--
S198403210112A	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	--
S198404151057A	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	--
S198404221739A	1984-04-22	17:39:23	43.62	10.19	15.0	-9.780	2.140	7.640	-4.110	1.490	-3.950	0.950	9	243	0.158	14	150	-1.108	73	6	1.029	23	349	38	-67	141	56	-107	4.6	17
S198404290529A	1984-04-29	05:29:59	43.27	12.57	14.0	-2.100	1.130	0.980	2.210	-1.340	-1.150	3.870	25	39	-0.040	6	306	-3.340	64	203	3.870	24	143	21	-72	304	70	-97	5.6	24
S198405030856A	1984-05-03	08:56:52	46.09	6.50	5.0	7.810	-2.390	-5.420	2.300	0.590	4.420	7.400	74	334	0.000	15	143	-8.470	3	234	8.470	22	339	44	112	129	50	69	4.5	--
S198405071749A	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	24
S19840511314A	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	24
S198405111041A	1984-05-11	10:41:49	41.83	13.95	13.0	-2.270	0.890	1.360	0.540	0.100	-0.500	1.700	3	56	0.670	10	326	-2.610	80	164	2.030	23	156	43	-76	317	49	-103	5.4	24
S198405131245A	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	--
S198405241956A	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	--
S198406291739A	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	--
S198411050756A	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	--
S198501162335A	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	7.280	23	296	30	38	172	72	115	5.1	--
S198504211813A	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	--
S198508150428A	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	--
S198510271934A	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	6.200	24	213	71	20	117	71	160	5.8	--
S198511212157A	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	--
S198511212136A	1985-11-21	23:16:27	41.73	19.38	42.0	-3.620	-2.800	6.420	4.600	-3.160	-2.120	7.990	20	74	0.000	33	329	-7.990	49	189	7.990	23	206	38	-27	318	73	-125	5.2	--
S198511211923A	1985-11-21	19:23:06	42.33	19.92	2.0	-0.500	0.870	-0.360	-0.190	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	--	
S198511222206A	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	80	47	-63	204	48	-115	4.6	--
S198511222217A	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	--
S198511231732A	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	--
S198511230819A	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	--
S198511241253A	1985-11-24	12:53:46	42.33	18.81	5.0	-0.060	0.240	-0.180	0.510	-0.380	0.600	6.040	0	316	0.000	83	55	-6.040	5	225	6.040	23	1	85	-176	270	86	-4	5.1	--
S198511241345A	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	--
S198511241506A	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	--
S198511252349A	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	--
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											



ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	M <sub>0</sub> (dyn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
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	47
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	--
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	41
B199012140321A	1990-12-14	03:21:26	39.30	16.38	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	1.130	24	129	7	-107	327	83	-88	5.3	--
S199102115433A	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	10
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	--
B199105261226A	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	36
E199109081945A	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	--
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	16
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	6
B199204061308A	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	45
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	--
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	35
E199206071145A	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	29
E199210300538A	1992-10-30	05:38:27	42.38	19.05	13.8	1.270	-0.790	-0.460	-0.180	-0.160	1.210	1.970	55	118	0.000	32	322	-1.970	11	225	1.970	23	282	44	0	160	63	126	4.8	--
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	4.9	24
B199306261747A	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	4.4	45
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	71	154	4.8	15
E199308310031A	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	--
B199309101602A	1993-09-10	16:02:32	35.00	12.40	10.0	-2.200	-5.920	6.120	-0.480	-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	47
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	--
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	--
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	--
E199401200754A	1994-01-20	07:55:42	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	10
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	10
E199402011757A	1994-02-01	17:57:00	37.76	19.86	19.0	0.700	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	--
E199402251603A	1994-02-25	16:03:05	43.65	16.68	10.6	-2.520	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	--
B199403212140A	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	--
S199404200125A	1994-04-20	01:25:25	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	--
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	--
A199501072030A	1995-01-07	20:30:47	37.92	19.95	10.0	-2.580	1.990	0.590	0.990	-0.430	-4.370	3.710	10	36	-0.930	7	305	-2.780	78	179	3.250	23	134	36	-78	300	55	-98	4.9	--
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	11
E199504210802A	1995-04-21	08:02:57	43.82	7.56	4.0	0.250	-0.800	0.500	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	14
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	30
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	1
E19950522116A	1995-05-22	11:16:53	45.62	14.26	18.9	0.460	-1.070	0.610	0.230	-0.580	0.900	1.120	41	86	0.000	46	287	-1.120	10	186	1.120	23	235	52	25	130				



ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	M <sub>0</sub> (dyn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
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	281	0.170	7	131	-1.330	82	335	1.240	23	318	42	-80	125	49	-99	4.6	24
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	42	-0.290	6	317	-1.600	82	177	1.420	24	145	40	-80	312	51	-98	5.4	24
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	24
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	24
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	24
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	7.770	23	321	40	-100	154	51	-82	5.2	24
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	4.390	22	305	35	-96	133	56	-86	4.3	24
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	24
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	24
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	24
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	24
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	24
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	24
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	24
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	-3.190	63	306	2.830	22	326	48	-53	97	54	-124	4.2	24
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	24
R199710205308A	1997-10-20	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	24
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	-2.620	27	179	3.200	22	308	25	142	73	75	70	4.2	24
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	24
R199711301122A	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	5.2	24
B199712021922A	1997-12-02	19:22:44	36.02	19.66	33.0	-1.940	-4.320	6.260	3.780	-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	24
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	18
R199712311602A	1997-12-31	16:02:15	42.87	12.99	10.0	-2.500	1.230	1.270	0.270	2.420	-0.550	3.290	17	235	0.560	24	333	-3.850	60	112	3.970	22	293	35	-135	164	66	-64	4.3	24
R199801171232A	1998-01-17	12:32:51	38.40	12.90	10.0	1.880	-1.500	-0.390	-1.250	0.020	-0.560	2.310	71	193	-0.240	9	75	-2.070	17	342	2.190	23	58	29	71	260	62	-100	4.8	24
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	4.900	10	224	0.440	5	315	-5.330	79	70	5.110	22	308	36	-98	138	55	-84	4.4	24
R199802061209A	1998-02-06	12:09:19	44.67	17.55	10.0	3.830	-4.570	0.740	-4.030	1.960	2.030	5.870	67	217	1.370	6	113	-7.070	22	20	6.390	22	99	23	75	295	67	96	4.4	24
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	--
R199803132307A	1998-03-13	23:07:29	43.11	18.18	10.0	-0.160	0.840	-0.680	-0.170	-0.140	1.140	1.720	8	149	-0.190	82	353	-1.530	3	239	1.620	22	284	82	3	194	87	172	4.0	24
R199803131525A	1998-03-13	15:15:56	45.59	14.20	10.0	-0.660	-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	1
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	24
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	10.34	27	65	-0.940	35	315	-9.400	44	183	9.070	23	204	36	-17	308	80	-125	5.2	24
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	24
R199804030759A	1998-04-03	07:59:53	43.23	12.67	10.0	-2.920	0.320	0.610	-0.160	-1.540	-0.860	3.220	13	74	0.140	9	167	-3.360	74	291	3.290	22	152	33	-108	332	59	-79	4.2	24
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	24
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	64	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	0.860	0.420	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	--
R199805181719A	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	24
R199806200225A	1998-06-20	02:25:47	38.46	13.08	10.0	5.230	-4.400	-0.840	-5.600	-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	43
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	43
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												

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	M <sub>0</sub> (dyn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
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	11
R200108121422A	2001-08-12	14:22:25	35.92	8.81	33.0	6.090	0.190	-5.280	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	--
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	--
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	39
R200111070940A	2001-11-07	09:40:45	41.30	10.60	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	6,300	22	334	29	77	169	62	97	4.4	42
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	45
R200111260556A	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	24
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	3
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	18
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	44
R200204080120A	2002-04-08	01:20:47	42.43	19.77	10.0	-3.760	0.780	0.980	0.940	2.370	-1.350	4.060	14	251	0.780	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	0.240	-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	40
R200204182056A	2002-04-18	20:56:47	40.69	15.58	10.0	-3.450	1.730	1.720	-1.780	-1.400	-0.260	3.890	3	224	0.760	28	132	-4.660	62	318	4,280	22	340	49	-52	109	54	-126	4.3	33
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	2.360	-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	68	4.2	19
R200206182233A	2002-06-18	22:33:37	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	3,620	22	293	44	103	95	48	76	4.3	19
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	-4.420	-3.620	2.760	-4.160	9.440	53	231	0.490	36	63	-9.930	6	329	9,990	24	26	50	40	267	60	133	5.9	43
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	3,690	23	252	48	126	24	53	56	4.7	43
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	5,070	22	71	29	126	211	67	72	4.4	43
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	43
R200209270210A	2002-09-27	06:10:44	38.44	13.69	5.0	5.260	-3.390	-1.860	-1.790	0.260	-5.450	5.690	76	206	-0.250	12	57	-4.840	7	325	5,570	23	41	39	70	246	53	105	5.1	43
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	-8.550	7	340	9,470	22	79	39	103	243	52	80	4.5	43
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	43
R200210231011A	2002-10-23	11:01:28	42.61	17.16	16.0	2.940	-2.520	-4.420	-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	41
R200210270250A	2002-10-27	02:50:26	37.79	15.16	10.0	2.420	-2.220	1.880	0.930	0.930	1.550	2.470	27	282	0.000	59	68	-2.460	15	184	2,470	22	320	60	171	55	82	30	4.8	44
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	290	1.270	50	128	-7.530	14	21	6,890	22	67	54	19	326	75	142	4.5	44
R200210291002A	2002-10-29	10:22:21	37.67	15.27	10.0	-1.000	-1.320	1.420	0.760	0.410	-0.040	1.540	15	273	0.100	61	32	-1.630	25	176	1,890	23	316	61	-173	223	84	-29	4.7	41
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	-22	314	68	-141	4.2	41
B200210311032A	2002-10-31	10:32:58	41.79	14.87	10.0	0.470	-0.020	-0.450	0.820	-0.730	-3.460	4.530	15	44	0.180	75	225	-4.710	0	134	4,620	24	180	79	11	88	80	169	5.7	34
R200211011509A	2002-11-01	15:09:00	41.73	14.88	10.0	1.140	1.000	-1.140	1.820	0.850	-3.960	4.290	14	34	0.550	65	272	-4.840	20	130	4,560	24	171	66	-5	263	86	-156	5.7	34
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	34
R200211120927A	2002-11-12	09:27:47	41.66	14.77	10.0	1.020	5.300	-6.320	1.800	-1.210	-0.940	1.021	13	28	0.052	77	203	-1.073	1	298	1,040	23	72	80	171	163	82	10	4.6	34
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	--
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																		

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	M <sub>0</sub> (dyn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
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	2.100	23	173	44	100	339	47	80	4.7	40
S200608067494A	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	1.400	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	-0.100	1.520	48	29	0.050	42	217	-1.560	4	123	1.540	22	178	55	35	66	62	139	4.0	36
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	23	274	79	178	4	89	11	4.3	29
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	25
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	1.600	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	--
S200611240437A	2006-11-24	04:37:40	36.26	15.76	11.0	-0.280	-1.420	1.700	0.800	-0.200	-0.600	6.020	6	53	-0.290	82	275	-5.720	5	143	5.870	22	188	82	0	98	90	172	4.4	47
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	34
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	49
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	4.490	22	311	68	175	43	85	22	4.4	--
S200702022603A	2007-02-22	06:03:01	39.99	15.63	327.0	0.130	2.520	-2.600	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	40
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	17
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	20
S200708181404A	2007-08-18	14:04:08	38.22	15.17	12.0	-0.780	0.200	0.580	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	44	
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	-0.500	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	24
S200711203366A	2007-11-20	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	--
S200712011071A	2007-12-01	07:14:25	40.01	17.99	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	33
S200802200806A	2008-02-20	08:06:19	41.58	13.78	8.0	-0.960	1.220	-0.260	-1.350	3.980	-1.100	3.780	41	240	0.970	8	338	-4.750	48	77	4.270	22	271	9	-157	158	87	-82	4.3	24
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	41
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	17
S200803031074A	2008-03-03	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	-1.170	67	89	1.560	23	278	36	-123	136	60	-68	4.7	18
S200803010908A	2008-03-01	09:08:09	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	20
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	--
S200803191438A	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	34
S2008032609131A	2008-03-26	09:13:41	44.27	9.86	67.0	1.910	-1.710	-0.200	-0.790	0.520	-1.010	2.290	67	229	-0.020	22	68	-2.260	7	336	2.280	22	43	43	57	264	55	117	4.1	17
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	39
S200806021736A	2008-06-02	17:36:12	36.45	6.53	0.0	1.290	-1.640	3.350	-0.080	0.490	-0.120	1.510	67	264	0.140	23	87	-1.650	1	357	1.880	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	10
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	5	122	3.320	22	166	82	-2	256	88	-172	4.5	41
S200811282399A	2008-11-28	23:39:21	37.54	13.69	35.0	1.410	3.310	-2.720	-1.290	-1.060	-6.360	5.110	17	200	1.100	72	36	-8.210	5	292	5.660	22	33							

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	M <sub>0</sub> (dyn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
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	4	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	-2.000	74	343	1,920	22	159	44	-113	9	50	70	4.1	24
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	20
S201009171220A	2010-09-17	12:20:18	41.49	15.63	30.1	-1.430	2.620	-1.190	1.750	0.560	-1.150	3.600	17	16	-0.740	40	271	-2.860	45	123	3,230	22	148	45	-25	256	73	-132	4.2	34
S201010132243A	2010-10-13	22:43:14	44.14	12.37	35.2	30.00	-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	26
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	40
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	--
S201011220048A	2010-11-22	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	--
S20101240126A	2010-12-24	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	--
S20101291741A	2010-12-29	17:41:37	47.51	18.38	5.0	-1.160	1.670	1.510	-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	47
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	4.1	--
S201105061512A	2011-05-06	15:12:35	37.78	14.96	22.2	0.540	-1.060	0.570	-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	49
S201105191450A	2011-05-19	14:50:52	39.05	15.18	292.3	0.490	-0.620	1.130	-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	47	4.7	30
S201105242403A	2011-05-24	22:03:55	43.86	12.03	5.0	-1.520	1.670	-0.150	0.320	0.880	-0.020	2.130	1	205	-0.020	32	295	-2.100	58	113	2,120	22	266	52	-132	142	54	-49	4.1	19
S201106091616A	2011-06-09	16:16:36	40.69	19.75	10.0	0.800	-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	1.200	-0.380	0.690	1.180	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	42
S20110706908A	2011-07-06	09:08:38	38.01	14.80	7.5	-1.900	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	42
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	42
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	19
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	19
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	42
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	23
S201107171830A	2011-07-17	18:30:23	45.01	11.41	8.1	1.310	-1.500	1.990	-1.450	0.860	-0.700	2.250	60	228	-1.100	17	106	-2.150	24	8	2,200	23	66	26	47	292	71	108	4.8	12
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	1,480	23	264	28	-60	50	66	-105	4.7	10
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	42
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	16
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	7
S201111050459A	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	45
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	-3.000	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	47
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	42
S201201250906A	2012-01-25	09:06:37	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	12
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	19
S201202250304A	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	43
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	6,490	22	24	26	-54	165	69	-106	4.4	10
S201203040327A	2012-03-04	03:27:39	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	42
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	16
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					

ID event	date	time	latitude	longitude	depth (km)	rr	tt	ff	rt	rf	tf	eigen T	plunge T	azimuth T	eigen B	plunge B	azimuth B	eigen P	plunge P	azimuth P	M <sub>0</sub> (dyn cm)	expo	strike 1	dip 1	slip 1	strike 2	dip 2	slip 2	Mw	n. ZS16 zone
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	18
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	18
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	26
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	26
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	--
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	44
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	51	-1.970	50	159	1.920	23	353	13	-153	236	84	-78	4.7	44
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	26
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	48
S201309201114A	2013-09-20	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	--
S201309202020A	2013-09-20	02:06:33	47.94	16.51	10.0	-2.940	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	0.410	-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	--
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	16
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	--
S20131215037A	2013-12-15	03:37:33	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	48
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	24
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	33
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	--
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	44
S201401140434A	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	1.780	22	315	78	171	46	81	12	4.1	44
S201401201712A	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	33
S201401200601A	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	--
S201401261906A	2014-01-26	19:06:40	43.28	19.96	10.0	2.130	-2.520	0.390	-1.480	1.590	1.920	7.000	3	309	2.510	79	201	-9.520	10	40	8.260	22	84	80	-5	175	85	-170	4.5	--
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	--
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	--
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	41
C201404071926A	2014-04-07	19:26:59	44.47	6.69	5.0	-2.880	-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	14
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	1
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	--
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	-2.070	1.040	2.310	3.880	17	286	0.650	72	127	-4.530	6	18	2.400	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	33
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	72	9	107	185	81	87	4.0	--
S201408081749A	2014-08-08	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	47	319	1.120	22	72	45	123	209	54	61	3.9	7
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	0.170	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	0.990	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	18
S201409262338A	2014-09-26	23:38:11	36.78	16.50	40.0	-0.270	0.270	0.000	-0.580	0.680	-0.270	2.500	18	224	-0.550	72	30	-1.950	4	132	2.220	22	267	7						