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Supplementary material

Table A1. Full dataset used in this study

Date		Origin Time (GMT)	Epicenter		Depth		Moment (dyn*cm)	Number of stations	Θ
Year	Jul		(°N)	(°E)	(km)	Bin			
<i>Final Dataset</i>									
1990	132	04:50	48.94	141.38	613	D-2	0.820E+27	10	-4.05
1991	023	01:12	52.13	179.02	102	I-1	0.510E+26	12	-4.67
1992	073	16:01	52.39	-178.96	210	I-2	0.480E+26	11	-4.75
1992	242	19:19	33.40	138.09	309	D-1	0.290E+26	11	-4.45
1992	246	05:50	-6.11	112.21	637	D-2	0.110E+27	10	-4.78
1992	292	13:08	-6.30	130.09	136	I-2	0.200E+26	10	-4.94
1993	019	14:39	38.70	133.96	462	D-2	0.630E+26	12	-4.67
1993	108	09:16	-11.67	-76.58	113	I-1	0.280E+26	10	-4.95
1993	150	17:08	1.56	127.25	113	I-1	0.170E+26	11	-4.83
1993	154	09:38	-14.71	167.26	144	I-2	0.150E+26	10	-4.65
1993	159	23:17	-31.62	-69.13	125	I-1	0.320E+26	11	-4.35
1993	166	13:06	-5.19	145.48	228	I-2	0.190E+26	10	-5.03
1993	219	00:00	26.68	125.84	165	I-2	0.470E+26	13	-5.06
1993	261	05:02	36.48	71.80	118	I-1	0.170E+26	13	-4.72
1993	272	11:16	0.62	121.70	89	I-1	0.390E+26	11	-4.68
1993	284	15:54	32.12	138.02	365	D-1	0.250E+27	18	-4.66
1994	010	15:53	-13.28	-69.27	604	D-2	0.250E+27	10	-4.23
1994	019	16:26	-17.37	-178.28	561	D-2	0.140E+26	11	-4.86
1994	055	15:25	-17.33	-173.69	128	I-1	0.180E+26	16	-4.85
1994	068	23:28	-17.69	-178.11	568	D-2	0.310E+28	10	-4.17
1994	160	00:33	-13.82	-67.25	647	D-2	0.260E+29	10	-3.77
1994	181	09:23	36.34	71.00	254	I-2	0.310E+26	15	-4.45
1994	194	11:45	-7.63	127.90	179	I-2	0.610E+26	14	-4.38
1994	202	18:36	42.30	133.04	489	D-2	0.110E+28	24	-3.84
1994	220	21:08	24.76	94.97	146	I-2	0.180E+26	23	-4.79
1994	231	10:02	-26.72	-63.42	563	D-2	0.560E+26	11	-4.50
1994	234	17:26	-11.62	166.46	150	I-2	0.200E+26	12	-4.47
1994	242	19:42	-6.97	124.31	604	D-2	0.210E+26	11	-4.67
1994	243	09:07	43.60	146.03	82	I-1	0.210E+26	26	-5.03
1994	271	16:39	-5.75	110.28	653	D-2	0.900E+26	19	-4.82
1994	289	05:10	45.78	149.32	121	I-1	0.140E+27	24	-4.91
1994	300	22:20	-25.75	179.39	541	D-2	0.113E+27	11	-3.56
1994	308	01:13	-9.40	-71.07	619	D-2	0.150E+26	12	-4.53
1994	319	20:18	-5.61	110.29	571	D-2	0.640E+26	19	-4.42
1994	346	07:41	-17.44	-69.66	161	I-2	0.260E+26	12	-4.73
1994	364	15:12	18.66	145.59	228	I-2	0.310E+26	22	-4.80
1995	017	16:54	-20.71	-179.13	649	D-2	0.350E+26	12	-4.50
1995	084	22:44	-11.05	165.91	82	I-1	0.200E+26	15	-4.72
1995	090	14:01	38.16	135.11	367	D-1	0.210E+26	27	-4.20

1995	097	22:06	-15.37	-173.15	88	I-1	0.130E+28	17	-4.40
1995	098	17:45	21.93	142.68	281	I-2	0.250E+26	24	-4.02
1995	103	02:34	-13.34	170.71	646	D-2	0.210E+26	14	-4.53
1995	110	08:45	6.33	126.89	103	I-1	0.590E+26	18	-4.55
1995	113	06:38	6.39	124.17	535	D-2	0.160E+26	17	-4.70
1995	122	06:06	-3.77	-77.07	113	I-1	0.130E+27	11	-4.76
1995	175	06:58	-3.83	153.93	387	D-1	0.180E+27	17	-4.84
1995	180	12:24	-19.42	168.95	143	I-2	0.930E+26	12	-4.71
1995	209	14:29	-21.18	-174.90	125	I-1	0.430E+26	16	-4.25
1995	231	21:43	5.22	-75.69	129	I-1	0.770E+26	10	-4.58
1995	235	07:06	18.88	145.30	599	D-2	0.440E+27	21	-4.25
1995	236	01:55	18.93	145.19	594	D-2	0.220E+26	22	-4.28
1995	236	07:54	18.79	145.33	612	D-2	0.170E+26	23	-4.44
1995	236	07:55	18.85	145.35	610	D-2	0.170E+26	23	-4.55
1995	259	01:03	-6.18	155.50	156	I-2	0.150E+26	13	-4.65
1995	261	06:56	-6.76	129.30	177	I-2	0.118E+26	21	-4.20
1995	274	17:06	29.30	139.02	448	D-1	0.170E+26	25	-4.64
1995	282	13:43	-21.35	170.10	115	I-1	0.330E+26	10	-4.79
1995	287	08:00	-25.53	-177.17	172	I-2	0.230E+26	10	-4.82
1995	293	19:21	19.19	145.58	207	I-2	0.148E+26	24	-4.59
1995	294	02:38	16.67	-93.42	164	I-2	0.710E+27	10	-5.09
1995	302	19:40	-21.72	-179.26	634	D-2	0.170E+26	14	-4.16
1995	344	23:47	-21.52	-177.78	434	D-1	0.190E+26	13	-4.06
1995	359	04:43	-6.93	129.65	161	I-2	0.470E+27	15	-4.74
1996	017	10:06	-4.23	139.98	97	I-1	0.150E+26	16	-4.85
1996	032	07:18	44.79	146.33	170	I-2	0.230E+26	31	-4.96
1996	053	14:59	45.29	148.56	130	I-1	0.360E+26	29	-4.53
1996	059	09:44	2.03	126.29	92	I-1	0.480E+26	16	-4.54
1996	077	14:48	-14.57	167.19	171	I-2	0.125E+27	13	-3.98
1996	107	00:30	-23.98	-176.47	116	I-1	0.640E+27	12	-4.81
1996	147	01:43	-22.49	171.55	112	I-1	0.129E+26	12	-4.26
1996	161	01:12	17.36	145.98	160	I-2	0.710E+26	18	-4.83
1996	169	11:22	-7.38	123.02	584	D-2	0.730E+28	19	-4.48
1996	178	03:22	27.82	139.85	479	D-2	0.270E+26	26	-4.73
1996	188	21:36	22.02	142.99	253	I-2	0.260E+26	20	-4.79
1996	197	16:51	18.76	145.82	189	I-2	0.280E+26	20	-4.52
1996	218	22:38	-20.72	-178.16	555	D-2	0.136E+28	16	-3.86
1996	272	14:10	10.19	125.33	238	I-2	0.350E+26	23	-5.12
1996	293	14:53	-20.47	-178.24	606	D-2	0.260E+27	13	-4.19
1996	310	09:41	-30.95	-179.73	367	D-1	0.150E+27	11	-4.82
1996	316	09:22	19.27	95.05	86	I-1	0.110E+26	27	-3.76
1996	319	13:47	-21.29	-176.10	202	I-2	0.190E+26	16	-4.28
1996	322	21:11	-22.22	-179.57	602	D-2	0.120E+26	11	-4.28
1996	336	23:09	-30.46	-179.40	370	D-1	0.190E+26	10	-4.75
1996	357	14:53	43.29	138.78	245	I-2	0.680E+26	30	-4.33
1997	017	11:20	-8.88	123.72	113	I-1	0.200E+26	15	-4.41
1997	023	02:15	-22.04	-65.92	282	I-2	0.580E+27	17	-5.04
1997	080	12:07	-31.18	179.90	453	D-2	0.320E+26	13	-4.39
1997	084	16:44	-8.86	-71.25	618	D-2	0.130E+26	14	-4.65
1997	113	19:44	13.83	145.05	95	I-1	0.640E+26	20	-4.99
1997	123	16:46	-31.70	-179.06	119	I-1	0.280E+27	10	-4.63
1997	133	14:13	36.51	70.68	189	I-2	0.500E+26	21	-4.31
1997	145	23:22	-32.02	-179.95	345	D-1	0.520E+27	12	-4.71

1997	247	04:23	-26.45	178.52	621	D-2	0.210E+27	15	-3.85
1997	269	15:48	-5.29	129.13	268	I-2	0.130E+26	20	-4.49
1997	279	12:30	9.79	125.95	114	I-1	0.520E+26	22	-4.88
1997	287	09:53	-21.94	-176.15	166	I-2	0.450E+28	11	-4.54
1997	301	06:15	-4.44	-76.55	119	I-1	0.720E+27	12	-4.90
1997	307	19:17	-6.72	129.11	221	I-2	0.160E+26	21	-4.67
1997	313	22:56	13.88	-89.30	178	I-2	0.390E+26	10	-4.55
1997	319	07:05	43.82	145.07	157	I-2	0.150E+26	33	-4.33
1997	345	07:56	4.11	-75.84	190	I-2	0.400E+26	14	-4.95
1997	351	05:51	36.53	70.62	224	I-2	0.320E+26	25	-4.86
1997	356	02:05	-5.56	148.05	197	I-2	0.630E+27	18	-4.62
1998	001	06:11	24.12	142.21	92	I-1	0.380E+26	23	-4.29
1998	004	06:11	-22.31	171.08	114	I-1	0.180E+28	14	-4.70
1998	027	19:55	-22.53	179.29	617	D-2	0.350E+26	14	-4.14
1998	027	21:05	-22.39	179.29	629	D-2	0.540E+26	14	-4.32
1998	038	01:18	24.92	141.87	534	D-2	0.480E+26	28	-4.18
1998	051	12:18	36.50	70.88	244	I-2	0.400E+26	25	-4.60
1998	088	19:48	-17.57	-178.85	554	D-2	0.640E+27	17	-3.85
1998	093	22:01	-7.96	-74.48	154	I-2	0.950E+26	12	-4.83
1998	104	03:41	-23.73	-179.81	510	D-2	0.150E+26	17	-4.47
1998	135	05:58	13.99	144.99	168	I-2	0.126E+26	25	-4.32
1998	136	02:22	-22.27	-179.35	609	D-2	0.230E+27	17	-3.98
1998	190	14:45	-30.51	-178.71	155	I-2	0.240E+27	11	-4.65
1998	190	19:39	60.39	-152.74	151	I-2	0.210E+26	42	-5.36
1998	197	11:56	-10.91	166.09	100	I-1	0.410E+27	19	-4.46
1998	232	06:40	28.99	139.47	426	D-1	0.470E+27	28	-4.67
1998	271	13:34	-8.36	112.40	153	I-2	0.770E+26	20	-4.37
1998	276	11:15	28.40	127.66	219	I-2	0.170E+26	25	-4.82
1998	281	04:51	-16.02	-71.59	141	I-2	0.200E+26	15	-4.39
1998	319	02:44	-21.55	-175.87	171	I-2	0.280E+26	22	-4.64
1998	348	19:35	-14.96	167.27	127	I-1	0.108E+26	17	-3.71
1998	361	00:38	-21.69	-175.86	160	I-2	0.200E+27	15	-4.56
1999	019	03:35	-4.72	153.66	88	I-1	0.370E+27	21	-5.29
1999	028	18:24	-4.50	153.55	96	I-1	0.390E+26	20	-5.13
1999	037	21:47	-12.78	166.58	98	I-1	0.111E+28	13	-3.46
1999	093	06:17	-16.38	-72.54	89	I-1	0.200E+27	14	-4.53
1999	095	11:08	-5.65	149.71	149	I-2	0.150E+28	21	-4.70
1999	098	13:10	43.66	130.47	575	D-2	0.510E+27	34	-4.07
1999	099	12:16	-26.37	178.28	636	D-2	0.210E+26	14	-4.41
1999	103	10:38	-21.54	-175.89	173	I-2	0.190E+27	12	-4.45
1999	130	20:33	-5.38	150.97	145	I-2	0.470E+27	13	-4.52
1999	132	17:59	43.12	143.70	96	I-1	0.240E+26	32	-4.60
1999	138	04:19	-5.89	148.60	124	I-1	0.140E+26	21	-4.85
1999	184	05:30	26.29	140.55	434	D-1	0.140E+26	32	-3.91
1999	226	00:16	-5.86	104.46	99	I-1	0.510E+26	17	-4.56
1999	240	12:40	-1.36	-77.75	198	I-2	0.250E+26	18	-4.67
1999	258	03:01	-20.73	-67.37	218	I-2	0.450E+26	18	-4.48
1999	312	16:45	36.48	70.81	237	I-2	0.640E+26	31	-4.64
1999	315	18:05	1.15	100.03	218	I-2	0.190E+26	29	-4.30
1999	334	04:01	-19.01	-69.37	138	I-2	0.770E+26	16	-4.67
1999	341	21:29	-15.75	-173.62	149	I-2	0.440E+26	12	-4.52
2000	008	16:47	-16.84	-173.81	162	I-2	0.690E+27	24	-4.69
2000	057	08:11	13.79	144.98	126	I-1	0.210E+26	25	-4.85

2000	063	22:09	-7.37	128.55	162	I-2	0.410E+26	27	-4.28
2000	088	11:00	22.32	143.76	100	I-1	0.320E+28	31	-4.54
2000	094	15:20	4.10	125.75	140	I-2	0.190E+26	25	-4.56
2000	114	09:27	-28.41	-63.04	608	D-2	0.310E+27	20	-4.17
2000	114	17:01	-28.43	-62.96	610	D-2	0.150E+26	19	-4.53
2000	125	20:36	-17.72	-178.31	540	D-2	0.580E+26	22	-4.70
2000	129	10:28	-4.38	150.14	496	D-2	0.160E+26	23	-4.45
2000	133	18:43	-23.72	-66.85	227	I-2	0.660E+27	21	-4.88
2000	133	23:10	36.04	70.53	106	I-1	0.300E+26	28	-4.81
2000	161	23:31	30.47	137.79	492	D-2	0.260E+26	31	-4.60
2000	166	02:15	-25.45	178.38	615	D-2	0.530E+26	21	-4.25
2000	166	17:00	4.75	127.61	111	I-1	0.360E+26	25	-4.65
2000	168	07:55	-33.95	-69.92	109	I-1	0.470E+26	19	-4.63
2000	199	22:53	36.24	70.82	146	I-2	0.340E+26	26	-4.62
2000	219	07:27	28.89	139.68	411	D-1	0.117E+28	30	-3.90
2000	220	14:33	-6.95	123.53	648	D-2	0.600E+26	22	-3.87
2000	228	04:30	-31.42	-179.95	367	D-1	0.910E+26	17	-4.31
2000	255	17:17	-15.74	-173.33	125	I-1	0.310E+26	21	-4.66
2000	278	14:37	11.16	-62.29	110	I-1	0.210E+26	25	-4.94
2000	295	05:25	-17.40	-174.79	300	D-1	0.270E+26	22	-5.13
2000	301	04:21	26.31	140.69	388	D-1	0.140E+26	34	-3.87
2000	303	08:37	-5.21	153.95	92	I-1	0.300E+27	23	-5.42
2000	312	07:50	-5.39	154.18	90	I-1	0.250E+26	24	-5.05
2000	353	01:19	-21.11	-178.98	656	D-2	0.760E+26	16	-3.84
2000	357	10:13	44.76	147.14	141	I-2	0.200E+26	34	-4.50
2001	009	16:49	-14.90	167.11	114	I-1	0.420E+27	20	-4.54
2001	047	05:59	-7.11	117.62	538	D-2	0.150E+26	26	-4.68
2001	056	02:21	36.41	70.62	193	I-2	0.170E+26	27	-4.21
2001	057	05:58	46.79	144.54	396	D-1	0.150E+26	40	-4.72
2001	118	04:49	-18.07	-176.68	367	D-1	0.210E+27	23	-4.51
2001	145	05:06	-8.07	110.24	135	I-2	0.320E+26	25	-4.94
2001	146	10:57	-20.25	-177.65	414	D-1	0.420E+26	21	-5.14
2001	154	02:41	-29.37	-178.23	199	I-2	0.610E+27	20	-4.37
2001	180	18:35	-19.68	-66.39	287	I-2	0.150E+26	21	-4.55
2001	184	13:10	21.66	142.99	308	D-1	0.540E+26	26	-4.35
2001	185	07:06	-21.81	-176.31	187	I-2	0.630E+26	23	-4.49
2001	209	07:32	58.82	-154.97	147	I-2	0.106E+27	43	-4.18
2001	255	08:48	-20.84	-178.90	634	D-2	0.570E+26	17	-4.52
2001	261	02:19	-7.49	127.97	140	I-2	0.109E+26	25	-4.06
2001	275	00:48	-16.20	-173.36	109	I-1	0.170E+26	21	-4.80
2001	309	23:07	-17.12	-178.96	580	D-2	0.270E+26	21	-4.28
2001	327	20:43	36.43	71.50	100	I-1	0.140E+26	27	-4.58
2001	336	13:01	39.49	141.09	124	I-1	0.560E+26	34	-4.34
2001	343	18:15	-0.02	122.96	154	I-2	0.135E+26	23	-4.22
2001	361	10:54	-14.66	167.13	162	I-2	0.190E+26	20	-4.39
2002	001	11:29	6.35	125.87	131	I-1	0.300E+26	28	-4.77
2002	002	14:50	-17.63	178.84	681	D-2	0.200E+26	18	-4.07
2002	003	07:05	35.71	70.76	123	I-1	0.150E+26	26	-4.37
2002	022	04:53	35.53	26.59	90	I-1	0.210E+26	29	-4.51
2002	062	12:08	36.57	70.42	229	I-2	0.127E+28	32	-3.72
2002	068	12:27	-56.00	-27.30	128	I-1	0.113E+26	16	-3.93
2002	087	04:56	-21.69	-68.57	138	I-2	0.590E+26	22	-4.40
2002	128	05:26	-17.85	-174.06	138	I-2	0.260E+26	22	-5.15

2002	178	07:16	-13.43	166.84	195	I-2	0.130E+26	20	-4.37
2002	179	17:19	43.74	130.45	582	D-2	0.111E+28	39	-3.61
2002	181	21:29	-22.13	179.43	632	D-2	0.490E+26	19	-4.59
2002	214	23:11	29.35	139.25	442	D-1	0.260E+26	32	-4.95
2002	221	13:31	-16.25	-175.85	381	D-1	0.160E+26	27	-4.62
2002	231	11:01	-21.74	-179.08	631	D-2	0.350E+28	22	-3.90
2002	231	11:08	-24.16	178.49	699	D-2	0.430E+28	23	-3.76
2002	258	08:39	44.77	130.04	589	D-2	0.420E+26	34	-4.39
2002	267	03:57	-31.48	-69.12	120	I-1	0.280E+26	25	-4.44
2002	277	19:05	-20.86	-178.74	651	D-2	0.350E+26	20	-4.14
2002	285	20:09	-8.30	-71.66	539	D-2	0.240E+27	25	-4.38
2002	289	10:12	51.84	157.58	105	I-1	0.230E+26	41	-4.86
2002	290	04:23	-19.80	-178.23	622	D-2	0.200E+26	24	-4.38
2002	295	11:39	-20.50	-178.30	561	D-2	0.190E+26	23	-4.36
2002	316	01:46	-56.49	-26.89	116	I-1	0.250E+26	13	-4.52
2002	321	04:53	47.81	146.45	480	D-2	0.105E+28	40	-3.51
2002	344	04:27	-24.02	179.28	539	D-2	0.110E+26	22	-4.30
2003	004	05:15	-20.72	-177.32	395	D-1	0.600E+26	23	-4.42
2003	069	02:09	1.74	127.23	100	I-1	0.420E+26	30	-4.47
2003	073	12:54	-17.50	-174.77	282	I-2	0.390E+26	27	-4.71
2003	117	16:03	-20.94	169.71	84	I-1	0.320E+26	23	-4.84
2003	125	15:50	0.44	127.38	122	I-1	0.420E+26	27	-4.90
2003	146	23:13	6.90	123.85	580	D-2	0.230E+27	31	-4.45
2003	163	08:59	-5.97	154.95	185	I-2	0.280E+26	28	-4.56
2003	167	22:08	55.48	160.25	181	I-2	0.240E+27	45	-4.81
2003	171	06:19	-7.37	-71.89	556	D-2	0.440E+27	25	-4.67
2003	182	05:52	4.69	122.67	605	D-2	0.110E+26	26	-4.40
2003	202	13:53	-5.61	149.01	193	I-2	0.360E+26	28	-4.16
2003	208	02:04	-21.09	-176.12	216	I-2	0.910E+26	27	-4.45
2003	208	06:25	46.99	139.23	477	D-2	0.150E+27	43	-4.67
2003	208	11:41	-20.05	-65.19	351	D-1	0.110E+26	25	-4.43
2003	223	21:22	12.16	93.35	84	I-1	0.130E+26	37	-4.98
2003	242	00:05	-14.84	167.16	137	I-2	0.110E+26	24	-4.88
2003	243	23:08	43.38	132.37	493	D-2	0.180E+26	34	-4.91
2003	290	10:19	-5.55	154.07	138	I-2	0.460E+26	28	-4.32
2003	316	08:26	33.31	137.09	382	D-1	0.400E+26	32	-4.57
2004	011	09:29	-20.21	-179.20	683	D-2	0.130E+26	22	-4.45
2004	025	11:43	-16.75	-173.79	143	I-2	0.110E+27	26	-4.41
2004	051	05:58	-11.65	166.25	90	I-1	0.100E+26	27	-4.71
2004	072	22:13	-15.48	-174.74	291	I-2	0.100E+26	12	-4.86
2004	077	03:21	-21.24	-65.60	297	I-2	0.160E+26	22	-4.70
2004	096	21:24	36.52	70.84	184	I-2	0.630E+26	33	-4.37
2004	100	15:23	-13.22	167.16	226	I-2	0.500E+26	23	-5.05
2004	162	15:19	55.79	160.32	190	I-2	0.230E+27	27	-4.75
2004	177	02:35	-6.63	130.59	83	I-1	0.160E+26	28	-4.62
2004	182	23:37	0.79	124.95	101	I-1	0.240E+26	27	-4.86
2004	190	10:30	47.12	151.69	135	I-2	0.320E+26	23	-5.01
2004	197	04:27	-17.68	-178.52	577	D-2	0.480E+27	22	-4.43
2004	207	14:35	-2.68	104.38	601	D-2	0.100E+28	28	-4.01
2004	223	01:47	36.52	70.60	206	I-2	0.120E+26	13	-4.76
2004	259	19:10	14.39	120.30	106	I-1	0.100E+26	38	-4.68
2004	282	14:36	13.91	120.50	111	I-1	0.520E+26	41	-4.46
2004	289	04:08	24.48	122.74	102	I-1	0.860E+26	40	-4.81

2004	312	02:02	47.93	144.52	493	D-2	0.180E+26	42	-4.48
2004	317	06:36	-26.85	-63.18	583	D-2	0.140E+26	26	-4.47
2004	322	21:09	-19.87	-178.40	629	D-2	0.720E+26	20	-4.46
2004	341	16:26	-18.84	-178.27	466	D-2	0.150E+26	21	-4.47
2005	033	02:30	13.86	144.81	159	I-2	0.320E+26	29	-5.13
2005	036	03:34	15.88	146.19	132	I-1	0.900E+26	31	-4.64
2005	036	12:23	5.47	123.67	531	D-2	0.520E+27	31	-4.50
2005	039	14:48	-14.18	167.13	197	I-2	0.130E+27	21	-4.67
2005	061	10:42	-6.54	129.99	196	I-2	0.570E+27	26	-4.03
2005	076	13:37	15.20	-91.63	182	I-2	0.210E+26	22	-4.70
2005	078	17:34	-21.88	-179.27	609	D-2	0.350E+26	18	-3.99
2005	080	12:23	-24.88	-63.54	572	D-2	0.230E+27	26	-4.80
2005	080	12:43	-24.71	-63.56	572	D-2	0.470E+26	52	-4.50
2005	089	17:41	-22.31	-179.64	585	D-2	0.200E+26	20	-4.24
2005	101	14:54	-7.36	-77.96	132	I-1	0.110E+26	24	-4.44
2005	138	09:10	-56.43	-26.50	107	I-1	0.110E+26	16	-5.00
2005	140	12:40	-24.43	179.04	573	D-2	0.100E+26	22	-4.40
2005	153	10:56	-24.35	-67.21	193	I-2	0.140E+26	24	-4.65
2005	163	19:26	-56.40	-26.70	98	I-1	0.130E+26	14	-4.72
2005	164	22:44	-20.02	-69.23	95	I-1	0.530E+28	22	-4.51
2005	252	07:26	-5.20	153.95	84	I-1	0.370E+28	26	-5.83
2005	264	02:25	43.90	146.41	107	I-1	0.130E+26	40	-4.61
2005	269	01:55	-5.60	-76.20	108	I-1	0.220E+28	20	-4.95
2005	288	15:51	25.29	123.43	195	I-2	0.540E+26	41	-4.47
2005	321	19:26	-22.46	-68.13	155	I-2	0.190E+27	24	-4.65
2005	325	15:36	30.97	130.31	155	I-2	0.210E+26	37	-4.70
2005	342	09:01	-5.52	147.11	219	I-2	0.170E+26	28	-4.65
2005	346	21:47	36.45	71.06	210	I-2	0.800E+26	32	-4.32
2005	357	21:47	-1.59	-77.76	197	I-2	0.190E+26	23	-4.84
2006	002	22:13	-19.80	-177.72	590	D-2	0.690E+27	21	-4.16
2006	015	11:58	-7.92	122.70	262	I-2	0.210E+26	13	-4.43
2006	027	16:58	-5.61	128.20	397	D-1	0.350E+28	31	-4.29
2006	033	12:48	-17.77	-178.13	612	D-2	0.150E+27	24	-4.55
2006	055	14:15	-17.94	-179.42	641	D-2	0.170E+26	23	-4.36
2006	057	03:08	-23.59	-179.82	554	D-2	0.460E+26	22	-4.49
2006	064	08:07	-20.09	-175.22	214	I-2	0.160E+26	24	-4.62
2006	066	06:28	-14.90	167.20	144	I-2	0.210E+26	23	-4.66
2006	120	08:17	-15.13	167.29	130	I-1	0.170E+26	22	-4.82
2006	136	10:39	-31.41	-178.91	151	I-2	0.180E+28	18	-4.14
2006	142	13:08	54.19	158.87	198	I-2	0.240E+26	45	-4.52
2006	153	07:31	-20.77	-178.54	585	D-2	0.120E+26	21	-4.18
2006	160	05:58	-17.36	-178.62	586	D-2	0.180E+26	23	-4.67
2006	162	20:01	33.15	131.34	145	I-2	0.420E+26	39	-4.84
2006	173	10:53	45.37	149.52	105	I-1	0.110E+26	40	-4.54
2006	178	02:59	-19.77	-178.04	597	D-2	0.300E+26	22	-4.33
2006	219	22:18	-15.76	167.63	158	I-2	0.200E+27	22	-4.62
2006	237	00:44	-24.44	-67.18	186	I-2	0.900E+26	22	-4.97
2006	252	04:13	-7.23	120.27	583	D-2	0.340E+26	25	-4.35
2006	260	09:34	-31.90	-67.15	146	I-2	0.220E+26	23	-4.75
2006	265	02:32	-26.85	-63.05	602	D-2	0.110E+26	25	-4.19
2006	273	16:26	-15.72	-73.34	120	I-1	0.100E+26	24	-4.71
2006	276	18:03	-19.01	168.91	166	I-2	0.360E+26	21	-4.75
2006	291	10:45	-15.12	167.27	127	I-1	0.430E+26	23	-5.36

2006	310	20:56	-5.47	146.71	160	I-2	0.110E+26	28	-4.92
2006	317	01:26	-26.10	-63.47	573	D-2	0.230E+27	27	-4.38
2006	318	14:21	-6.34	127.99	353	D-1	0.170E+26	27	-4.79
2006	335	03:58	3.46	99.05	208	I-2	0.380E+26	29	-4.63
2006	346	15:48	3.83	125.10	215	I-2	0.370E+26	28	-4.56
2006	361	20:15	-5.73	154.49	368	D-1	0.130E+26	25	-4.34
2007	017	04:28	-3.28	139.89	102	I-1	0.120E+26	27	-4.94
2007	067	05:03	29.89	140.52	135	I-2	0.160E+26	38	-4.65
2007	068	03:22	43.22	133.65	451	D-2	0.140E+26	40	-3.92
2007	093	03:35	36.53	70.62	223	I-2	0.290E+26	33	-4.58
2007	099	02:24	-20.00	-177.97	614	D-2	0.100E+26	24	-4.40
2007	111	07:12	-3.46	151.46	405	D-1	0.190E+26	30	-4.66
2007	119	12:41	51.89	-179.81	122	I-1	0.280E+26	48	-4.62
2007	126	21:11	-19.44	-179.04	691	D-2	0.610E+26	22	-4.81
2007	126	22:01	-19.31	-179.05	692	D-2	0.150E+26	23	-4.76
2007	149	01:03	-4.71	151.96	137	I-2	0.170E+26	29	-5.06
2007	150	20:22	52.01	157.78	123	I-1	0.560E+26	45	-4.87
2007	187	01:09	16.48	-93.89	114	I-1	0.150E+26	22	-4.64
2007	193	05:23	-8.00	-74.42	156	I-2	0.150E+26	23	-4.89
2007	197	14:17	36.84	135.03	375	D-1	0.210E+27	38	-4.70
2007	202	13:27	-8.08	-71.30	638	D-2	0.140E+26	21	-4.35
2007	202	15:34	-22.31	-66.00	280	I-2	0.540E+26	23	-4.96
2007	213	17:08	-15.41	167.41	126	I-1	0.740E+27	22	-4.78
2007	220	17:04	-6.03	107.58	305	D-1	0.260E+28	30	-4.60
2007	238	12:37	-17.34	-173.84	130	I-1	0.150E+26	25	-4.86
2007	246	16:14	45.77	150.33	100	I-1	0.240E+26	39	-4.78
2007	268	05:16	-30.69	-179.85	421	D-1	0.230E+26	20	-4.70
2007	271	13:38	21.94	143.07	276	I-2	0.200E+28	38	-4.70
2007	278	07:17	-25.27	179.50	541	D-2	0.680E+26	22	-4.83
2007	289	21:05	-25.70	179.72	512	D-2	0.100E+27	22	-4.68
2007	304	03:30	18.83	145.59	211	I-2	0.900E+27	35	-4.76
2007	320	03:13	-2.50	-78.00	114	I-1	0.180E+27	26	-4.98
2007	322	05:40	-22.67	-66.48	262	I-2	0.130E+26	22	-4.73
2007	323	00:52	-21.05	-178.63	563	D-2	0.330E+26	23	-4.12
2007	333	19:00	15.06	-61.41	148	I-2	0.160E+28	31	-4.91
2007	343	07:28	-25.75	-177.22	150	I-2	0.710E+28	21	-4.60
2007	349	08:03	-7.75	127.59	176	I-2	0.130E+26	32	-4.54
2008	006	05:14	36.98	22.87	92	I-1	0.230E+26	28	-4.55
2008	015	17:52	-22.05	-179.34	603	D-2	0.730E+26	23	-4.34
2008	032	12:10	-21.53	-179.27	630	D-2	0.130E+26	23	-4.10
2008	043	12:50	16.35	-94.51	87	I-1	0.630E+26	22	-4.65
2008	047	14:45	-21.58	-68.77	135	I-2	0.160E+26	24	-4.61
2008	082	21:24	51.98	-178.50	135	I-2	0.260E+26	49	-4.89
2008	084	20:39	-20.31	-69.42	129	I-1	0.210E+26	21	-4.91
2008	105	09:45	-56.04	-27.75	115	I-1	0.140E+26	16	-4.68
2008	109	20:39	-17.26	-178.98	578	D-2	0.370E+26	25	-4.39
2008	130	21:51	12.36	143.28	83	I-1	0.170E+27	31	-5.16
2008	155	16:20	-10.46	161.42	91	I-1	0.270E+26	27	-4.48
2008	158	13:42	-7.63	127.87	138	I-2	0.110E+26	34	-4.80
2008	185	03:02	-23.41	-179.69	590	D-2	0.280E+26	24	-4.52
2008	187	02:12	54.12	153.37	611	D-2	0.450E+28	50	-4.43
2008	190	09:13	-16.26	-72.00	126	I-1	0.260E+26	23	-5.06
2008	201	22:39	-17.22	-177.05	395	D-1	0.520E+26	25	-4.91

2008	205	15:26	39.73	141.51	99	I-1	0.190E+27	44	-4.22
2008	217	20:45	-5.93	130.47	174	I-2	0.300E+26	32	-4.73
2008	239	21:00	-7.76	-74.49	158	I-2	0.480E+26	22	-4.93
2008	243	06:54	-6.33	147.49	88	I-1	0.500E+26	29	-4.83
2008	245	04:00	-25.51	-177.25	172	I-2	0.120E+26	20	-4.40
2008	247	11:25	-26.85	-63.30	571	D-2	0.330E+26	26	-4.38
2008	252	18:52	-13.37	166.75	125	I-1	0.310E+27	23	-4.19
2008	255	00:00	1.91	127.34	120	I-1	0.900E+26	32	-4.54
2008	286	20:55	-20.30	-65.23	362	D-1	0.230E+26	27	-4.45
2008	296	12:55	-18.40	-174.98	244	I-2	0.440E+26	28	-4.62
2008	309	18:35	-17.03	168.31	232	I-2	0.410E+26	24	-5.08
2008	313	07:49	-15.07	-173.94	132	I-1	0.110E+26	28	-4.82
2008	326	07:05	-8.97	159.73	126	I-1	0.130E+26	27	-4.25
2008	329	09:02	54.27	154.71	502	D-2	0.110E+28	47	-4.43
2008	337	12:31	19.17	145.99	119	I-1	0.100E+26	36	-4.76
2008	341	10:55	-7.44	124.84	407	D-1	0.520E+26	30	-4.36
2008	344	17:28	-15.98	168.04	237	I-2	0.150E+26	25	-4.56
2008	360	03:20	5.74	125.66	198	I-2	0.350E+26	32	-4.53
2009	003	20:23	36.44	70.36	206	I-2	0.900E+26	34	-4.66
2009	022	20:16	-7.51	128.55	160	I-2	0.170E+26	33	-4.46
2009	087	17:59	-2.89	139.66	91	I-1	0.100E+26	31	-4.55
2009	111	05:26	50.64	155.59	152	I-2	0.240E+26	49	-4.85
2009	116	00:06	-30.19	-178.24	152	I-2	0.180E+26	22	-4.71
2009	123	16:21	14.56	-91.50	91	I-1	0.320E+26	26	-5.08
2009	132	01:26	-5.83	149.62	91	I-1	0.170E+26	29	-4.58
2009	221	10:55	33.05	138.19	302	D-1	0.490E+27	43	-4.54
2009	230	21:20	-25.99	-178.08	277	I-2	0.360E+26	19	-4.86
2009	240	01:51	-7.09	123.46	634	D-2	0.270E+27	30	-4.48
2009	245	18:00	-29.24	-178.67	259	I-2	0.210E+26	20	-4.59
2009	246	13:26	31.08	130.19	168	I-2	0.240E+26	42	-4.77
2009	277	10:58	6.77	123.56	626	D-2	0.110E+27	33	-4.08
2009	280	21:41	4.11	122.51	580	D-2	0.180E+27	35	-4.70
2009	283	21:24	47.77	152.79	126	I-1	0.100E+26	48	-4.77
2009	288	12:11	-3.04	139.45	105	I-1	0.130E+26	30	-4.86
2009	295	19:51	36.51	70.82	182	I-2	0.210E+26	34	-4.36
2009	297	14:40	-6.10	130.57	155	I-2	0.300E+27	34	-4.32
2009	302	17:44	36.39	70.66	219	I-2	0.280E+26	35	-4.63
2009	313	10:44	-17.11	178.53	604	D-2	0.100E+28	23	-4.41
2009	318	19:44	-23.04	-66.83	221	I-2	0.220E+26	27	-4.77
2009	326	22:47	-31.47	179.66	437	D-1	0.220E+26	20	-4.53
2009	344	02:30	53.44	152.77	656	D-2	0.330E+26	52	-4.41
2009	358	00:23	42.12	134.93	390	D-1	0.390E+26	46	-4.22
2010	046	21:51	-7.39	128.76	136	I-2	0.270E+26	34	-4.48
2010	049	01:13	42.48	130.66	579	D-2	0.260E+27	46	-4.60
2010	063	14:02	-13.65	167.00	185	I-2	0.580E+26	21	-4.31
2010	067	09:47	19.26	144.67	432	D-1	0.170E+26	36	-4.27
2010	079	14:00	-3.32	152.33	414	D-1	0.900E+26	31	-4.80
2010	101	22:08	37.10	-3.69	617	D-2	0.420E+26	47	-4.79
2010	123	10:27	29.58	141.28	99	I-1	0.160E+26	44	-4.55
2010	139	04:15	-5.13	-77.55	132	I-1	0.130E+26	25	-4.61
2010	143	22:46	-14.03	-74.52	109	I-1	0.180E+26	23	-4.43
2010	144	16:18	-8.08	-71.64	591	D-2	0.580E+26	26	-4.72
2010	151	19:51	11.16	93.70	128	I-1	0.640E+26	42	-4.90

2010	181	04:31	-23.19	179.26	582	D-2	0.450E+26	23	-4.47
2010	193	00:11	-22.40	-68.61	135	I-2	0.270E+26	26	-4.59
2010	202	09:16	3.08	128.09	122	I-1	0.180E+26	32	-4.79
2010	204	22:08	6.54	123.59	597	D-2	0.110E+28	34	-4.78
2010	204	22:51	6.62	123.90	577	D-2	0.360E+28	36	-4.27
2010	204	23:15	6.83	123.48	641	D-2	0.190E+28	36	-4.21
2010	205	05:35	6.23	123.56	556	D-2	0.890E+26	37	-4.94
2010	210	07:31	6.69	123.41	614	D-2	0.100E+27	33	-4.54
2010	216	07:15	-5.59	146.90	218	I-2	0.640E+26	29	-4.88
2010	227	15:09	-5.85	148.41	174	I-2	0.330E+26	28	-4.65
2010	228	19:35	-20.74	-178.67	604	D-2	0.220E+26	23	-4.29
2010	247	08:52	-17.33	-173.54	83	I-1	0.150E+26	29	-5.00
2010	260	19:21	36.44	70.79	208	I-2	0.300E+26	31	-4.66
2010	281	05:43	2.83	128.10	136	I-2	0.220E+26	34	-4.80
2010	334	03:24	28.69	139.26	461	D-2	0.190E+27	45	-5.03
2010	347	01:14	-6.61	155.71	145	I-2	0.250E+26	27	-4.52
2010	349	11:29	-7.46	128.80	147	I-2	0.120E+26	38	-4.68
2010	362	08:34	-23.49	-179.73	571	D-2	0.340E+26	22	-4.54
2011	001	09:56	-27.02	-63.21	586	D-2	0.440E+27	25	-4.22
2011	005	06:46	-22.48	171.58	126	I-1	0.170E+26	20	-4.37
2011	012	21:32	26.94	139.94	512	D-2	0.740E+26	46	-4.31
2011	024	02:45	38.50	72.78	119	I-1	0.150E+26	36	-4.82
2011	031	06:03	-21.91	-175.13	90	I-1	0.130E+26	27	-4.53
2011	035	13:53	24.46	94.68	104	I-1	0.310E+26	42	-4.35
2011	041	14:39	4.14	122.91	521	D-2	0.770E+26	38	-4.52
2011	041	14:41	4.22	123.28	518	D-2	0.770E+26	38	-4.39
2011	043	17:57	-20.93	-175.19	112	I-1	0.180E+26	28	-4.54
2011	052	10:57	-25.95	178.47	568	D-2	0.790E+26	22	-4.13
2011	056	13:07	17.98	-95.20	128	I-1	0.120E+26	28	-4.64
2011	065	12:31	-18.28	-69.73	126	I-1	0.310E+26	25	-4.78
2011	065	14:32	-56.41	-26.68	101	I-1	0.810E+26	18	-4.53
2011	069	17:08	-6.95	116.71	517	D-2	0.100E+27	37	-4.54
2011	093	14:07	-17.65	-178.45	562	D-2	0.490E+26	27	-4.30
2011	097	13:11	17.28	-94.12	154	I-2	0.140E+27	26	-5.19
2011	108	13:03	-34.40	-179.83	100	I-1	0.790E+26	20	-4.76
2011	159	03:06	-17.37	-69.84	150	I-2	0.100E+26	29	-4.77
2011	164	14:31	2.74	126.35	82	I-1	0.500E+26	15	-4.35
2011	210	07:42	-23.78	179.92	539	D-2	0.150E+27	25	-4.66
2011	231	03:54	-16.52	-176.73	415	D-1	0.290E+26	27	-4.98
2011	236	17:46	-7.68	-74.66	144	I-2	0.430E+27	28	-4.48
2011	242	06:57	-6.47	126.68	469	D-2	0.270E+27	37	-4.86
2011	245	13:47	-28.56	-63.08	597	D-2	0.140E+27	27	-4.46
2011	246	04:48	-56.57	-26.44	99	I-1	0.440E+26	20	-4.85
2011	246	22:55	-20.79	169.72	152	I-2	0.440E+27	22	-4.75
2011	248	17:55	2.88	97.86	95	I-1	0.140E+27	36	-4.58
2011	258	19:31	-21.61	-179.21	625	D-2	0.120E+28	20	-4.25
2011	294	08:02	43.83	142.52	192	I-2	0.220E+26	50	-4.29
2011	300	00:15	-17.98	-179.40	609	D-2	0.110E+26	26	-4.48
2011	311	22:35	11.60	-85.98	173	I-2	0.130E+26	28	-4.53
2011	312	02:59	27.13	125.77	231	I-2	0.300E+27	45	-4.77
2011	326	18:48	-15.40	-65.18	554	D-2	0.890E+26	32	-4.13
2011	345	09:54	-55.97	-27.78	123	I-1	0.300E+26	21	-4.58
2011	347	07:52	0.01	123.14	164	I-2	0.150E+26	38	-4.31

2011	348	05:04	-7.49	146.83	135	I-2	0.530E+27	30	-4.61
2012	001	05:27	31.61	138.17	352	D-1	0.190E+27	46	-4.79
2012	024	00:52	-25.00	178.72	582	D-2	0.420E+26	26	-4.35
2012	036	00:15	-19.02	168.88	156	I-2	0.180E+26	24	-4.77
2012	041	01:47	-17.98	-178.42	598	D-2	0.100E+26	25	-4.00
2012	065	07:46	-28.19	-63.27	565	D-2	0.190E+26	28	-4.16
2012	081	22:15	-6.26	145.96	127	I-1	0.100E+27	28	-4.86
2012	097	16:15	-4.68	153.55	97	I-1	0.200E+26	30	-5.25
2012	108	07:13	-5.66	147.16	209	I-2	0.240E+27	33	-4.57
2012	114	17:36	-28.51	-177.05	101	I-1	0.100E+26	21	-4.76
2012	119	10:08	-18.79	-174.26	141	I-2	0.120E+27	30	-4.54
2012	135	10:00	-18.00	-69.94	119	I-1	0.310E+26	29	-4.34
2012	147	21:48	26.87	140.17	472	D-2	0.110E+26	47	-4.51
2012	149	05:07	-28.25	-63.07	592	D-2	0.130E+27	27	-4.81
2012	154	07:52	-22.08	-63.59	550	D-2	0.120E+26	30	-4.53
2012	159	16:03	-15.98	-72.70	120	I-1	0.220E+26	30	-4.67
2012	175	04:34	2.98	97.77	105	I-1	0.200E+26	38	-4.35
2012	185	10:36	-40.05	173.63	230	I-2	0.370E+26	23	-4.59
2012	188	02:28	-14.74	167.19	169	I-2	0.460E+26	20	-5.13
2012	215	09:38	-8.58	-74.36	151	I-2	0.140E+26	27	-4.77
2012	227	02:59	49.97	145.70	598	D-2	0.480E+28	49	-4.34
2012	232	22:41	-4.92	144.60	81	I-1	0.300E+26	31	-5.07
2012	239	15:05	2.16	126.81	91	I-1	0.900E+26	37	-4.72
2012	274	16:31	1.89	-76.22	159	I-2	0.900E+27	29	-4.77
2012	291	04:42	4.26	124.49	333	D-1	0.130E+26	39	-4.22
2012	342	18:19	-38.31	176.08	165	I-2	0.400E+26	23	-4.90
2012	345	16:53	-6.65	129.83	159	I-2	0.560E+27	35	-4.65
2012	356	22:28	-14.31	167.17	199	I-2	0.130E+27	23	-4.57
2013	033	14:17	42.85	143.24	105	I-1	0.310E+27	47	-5.04
2013	040	14:16	1.16	-77.40	152	I-2	0.370E+27	29	-4.92
2013	047	04:37	5.77	125.95	107	I-1	0.240E+26	37	-4.77
2013	053	12:01	-27.89	-63.00	586	D-2	0.180E+26	27	-4.45
2013	084	23:02	14.62	-90.71	186	I-2	0.270E+26	23	-4.76
2013	095	13:00	42.77	131.02	572	D-2	0.320E+26	44	-4.22
2013	103	22:49	-19.10	169.51	273	I-2	0.140E+26	23	-4.74
2013	109	03:05	46.00	150.92	105	I-1	0.100E+28	48	-4.41
2013	110	04:51	-6.26	130.21	116	I-1	0.100E+26	33	-4.50
2013	111	03:22	30.02	138.88	430	D-1	0.190E+26	42	-4.42
2013	116	06:53	-28.67	-178.82	356	D-1	0.210E+26	23	-4.37
2013	131	20:46	-17.89	-174.74	242	I-2	0.410E+26	30	-4.94
2013	134	00:32	18.67	145.35	605	D-2	0.210E+27	36	-4.62
2013	143	21:07	-20.67	-175.29	160	I-2	0.330E+26	26	-4.80
2013	144	05:44	54.61	153.77	611	D-2	0.400E+29	52	-4.01
2013	144	14:56	52.36	151.48	642	D-2	0.160E+27	53	-3.97
2013	166	11:20	-33.82	179.63	200	I-2	0.130E+26	19	-4.62
2013	188	18:35	-4.10	153.98	383	D-1	0.110E+28	27	-4.78
2013	205	03:32	-23.23	-176.81	169	I-2	0.110E+26	26	-4.57
2013	207	07:07	-15.30	167.32	131	I-1	0.160E+26	22	-5.01
2013	224	00:53	-7.24	129.83	105	I-1	0.180E+26	33	-4.42
2013	224	04:16	-30.46	-179.58	348	D-1	0.210E+26	20	-4.56
2013	240	02:54	-27.73	179.84	492	D-2	0.290E+26	20	-4.33
2013	244	11:52	-7.61	128.24	128	I-1	0.680E+26	37	-4.70
2013	247	00:18	30.02	138.79	412	D-1	0.730E+26	39	-4.55

2013	249	11:33	20.24	122.31	188	I-2	0.110E+26	42	-4.33
2013	264	01:39	-7.32	119.92	551	D-2	0.150E+26	34	-4.67
2013	274	03:38	53.20	152.81	586	D-2	0.150E+27	50	-4.58
2013	279	16:38	12.14	141.72	116	I-1	0.140E+26	34	-4.99
2013	284	21:25	-30.57	-178.43	156	I-2	0.250E+26	20	-4.71
2013	296	08:23	-23.08	-176.74	168	I-2	0.120E+26	25	-4.50
2014	001	16:03	-13.89	167.10	198	I-2	0.800E+26	23	-4.30
2014	032	03:58	-56.97	-26.72	132	I-1	0.210E+26	18	-4.65
2014	038	08:40	-15.13	167.29	127	I-1	0.700E+26	24	-5.21
2014	057	21:13	53.60	-171.87	275	I-2	0.200E+26	54	-5.09
2014	061	20:11	27.34	127.46	125	I-1	0.670E+26	43	-4.85
2014	064	09:56	-14.64	169.80	661	D-2	0.460E+26	24	-4.68
2014	072	17:06	33.62	131.82	83	I-1	0.360E+26	43	-4.84
2014	085	03:29	-26.14	179.32	510	D-2	0.430E+26	22	-4.32
2014	086	03:49	-12.13	166.46	116	I-1	0.120E+26	26	-4.63
2014	101	20:29	11.70	-86.22	142	I-2	0.100E+27	26	-4.94
2014	121	06:36	-21.52	170.12	120	I-1	0.100E+27	22	-4.63
2014	124	09:15	-24.67	179.12	530	D-2	0.900E+26	25	-4.46
2014	124	09:25	-25.80	178.25	655	D-2	0.470E+26	24	-4.35
2014	124	20:18	34.89	139.48	165	I-2	0.130E+26	46	-4.63
2014	174	20:53	52.00	178.43	104	I-1	0.100E+29	55	-4.87
2014	181	19:55	28.42	138.75	523	D-2	0.280E+26	44	-4.83
2014	200	12:27	-15.64	-174.18	234	I-2	0.260E+26	29	-4.85
2014	202	14:54	-19.68	-178.32	627	D-2	0.290E+27	25	-4.23
2014	210	10:46	17.97	-95.69	109	I-1	0.460E+26	31	-4.82
2014	236	23:21	-14.61	-73.72	85	I-1	0.220E+27	27	-4.69
2014	260	06:14	13.54	144.51	140	I-2	0.170E+27	35	-4.70
2014	267	11:16	-23.78	-66.72	228	I-2	0.270E+26	27	-4.83
2014	268	17:51	62.00	-151.78	109	I-1	0.340E+26	53	-4.95
2014	305	18:57	-19.76	-177.61	445	D-1	0.570E+27	26	-4.74
2014	336	05:11	6.31	123.17	632	D-2	0.930E+26	40	-4.47
2014	340	22:05	-6.12	130.57	138	I-2	0.140E+26	39	-4.54
2014	344	21:03	25.51	122.40	262	I-2	0.200E+26	47	-4.49
2014	364	21:17	-20.27	-178.59	612	D-2	0.130E+26	23	-4.18
2014	365	00:06	-20.28	-178.61	609	D-2	0.100E+26	24	-4.45
2015	023	03:47	-17.06	168.36	231	I-2	0.190E+27	23	-4.84
2015	028	02:43	-20.97	-178.23	488	D-2	0.220E+26	23	-4.24
2015	033	10:49	-32.77	-67.14	177	I-2	0.320E+26	27	-4.49
2015	042	18:57	-23.14	-66.80	223	I-2	0.140E+27	29	-4.84
2015	058	13:45	-7.35	122.50	552	D-2	0.360E+27	37	-4.46
2015	069	20:55	6.83	-73.11	156	I-2	0.300E+26	30	-4.50
2015	075	03:00	-4.09	152.00	198	I-2	0.100E+26	33	-4.56
2015	081	05:46	-17.84	-178.48	616	D-2	0.160E+26	27	-4.71
2015	082	04:51	-18.47	-69.44	141	I-2	0.560E+26	28	-4.77
2015	112	22:57	-12.07	166.33	94	I-1	0.300E+26	27	-4.75
2015	118	16:39	-20.79	-178.71	591	D-2	0.170E+26	23	-4.05
2015	135	20:26	-2.61	102.14	158	I-2	0.150E+26	40	-5.00
2015	140	00:30	-19.35	-175.14	206	I-2	0.140E+26	30	-4.64
2015	149	07:00	56.71	-156.52	81	I-1	0.200E+27	56	-4.54
2015	150	11:23	27.94	140.56	681	D-2	0.770E+28	45	-4.18
2015	161	13:52	-22.48	-68.47	147	I-2	0.160E+26	27	-4.55
2015	167	06:17	-20.42	-178.93	665	D-2	0.130E+26	23	-4.64
2015	171	23:39	-23.53	-176.82	157	I-2	0.100E+26	24	-4.43

2015	172	21:28	-20.34	-178.36	571	D-2	0.120E+26	25	-4.22
2015	174	12:18	27.68	139.85	459	D-2	0.740E+26	44	-4.71
2015	210	02:35	60.02	-153.15	130	I-1	0.450E+26	58	-4.81
2015	236	09:41	-30.33	-178.86	243	I-2	0.130E+26	21	-4.36
2015	271	15:28	-23.84	-66.89	221	I-2	0.120E+26	26	-4.93
2015	293	21:52	-14.88	167.19	141	I-2	0.570E+27	25	-4.68
2015	299	09:09	36.55	70.42	209	I-2	0.220E+28	36	-4.13
2015	325	09:06	-7.22	130.11	100	I-1	0.140E+26	37	-4.76
2015	328	13:21	18.82	145.26	583	D-2	0.110E+26	38	-4.14
2015	328	22:45	-10.73	-71.12	611	D-2	0.260E+28	26	-4.42
2015	328	22:50	-10.11	-71.28	627	D-2	0.370E+28	26	-4.40
2015	330	05:45	-9.14	-71.35	614	D-2	0.130E+27	26	-4.77
2015	359	19:14	36.46	71.06	214	I-2	0.380E+26	39	-4.05
2016	011	17:08	44.46	141.01	254	I-2	0.310E+26	49	-4.65
2016	014	03:25	-19.77	-63.11	591	D-2	0.200E+26	26	-4.58
2016	024	10:30	59.75	-153.27	111	I-1	0.590E+27	54	-4.91
2016	030	03:25	53.86	158.73	168	I-2	0.860E+27	56	-4.64
2016	032	19:00	-30.81	-179.82	391	D-1	0.300E+26	23	-4.28
2016	101	10:28	36.44	71.04	211	I-2	0.110E+27	38	-4.33
2016	104	13:55	23.02	94.78	150	I-2	0.320E+27	46	-4.42
2016	109	13:06	-19.44	169.00	91	I-1	0.100E+26	24	-4.11
2016	148	04:08	-20.77	-178.61	581	D-2	0.590E+26	24	-4.43
2016	149	05:38	-22.13	-178.17	418	D-1	0.300E+27	28	-4.59
2016	152	05:23	25.42	122.35	250	I-2	0.430E+26	47	-5.13
2016	157	16:25	-4.51	125.56	449	D-1	0.350E+26	48	-4.38
2016	166	13:49	-18.83	168.70	127	I-1	0.280E+26	24	-4.72
2016	173	17:12	-3.37	152.03	361	D-1	0.320E+26	44	-5.13
2016	202	15:13	-18.97	168.85	175	I-2	0.170E+26	24	-4.61
2016	207	17:26	-26.15	-70.63	88	I-1	0.150E+26	26	-4.51
2016	211	21:18	18.50	145.70	209	I-2	0.470E+28	38	-4.63

Additional events with fewer than 10 stations

1990	009	18:51	24.42	94.95	130	I-1	0.300E+26	3	-4.19
1990	074	04:56	-15.17	167.22	121	I-1	0.560E+26	1	-4.05
1990	080	16:46	-30.71	-179.38	157	I-2	0.840E+26	1	-4.57
1990	101	20:51	35.50	135.26	367	D-1	0.140E+26	7	-4.40
1990	121	16:12	58.83	-157.05	224	I-2	0.860E+26	8	-4.72
1990	122	22:50	-5.74	150.12	96	I-1	0.500E+26	1	-4.74
1990	131	13:10	41.49	130.42	586	D-2	0.260E+26	6	-4.24
1990	135	14:25	35.44	70.09	113	I-1	0.122E+26	2	-4.01
1990	144	20:09	-7.30	120.95	580	D-2	0.460E+27	1	-4.36
1990	151	00:17	45.67	26.00	87	I-1	0.320E+26	4	-4.82
1990	159	15:05	-18.51	-178.93	504	D-2	0.580E+26	4	-4.43
1990	174	21:38	-21.29	-176.22	195	I-2	0.220E+27	4	-4.97
1990	177	12:08	-21.71	-179.60	614	D-2	0.270E+26	3	-4.19
1990	194	14:20	36.68	70.61	217	I-2	0.380E+26	3	-5.25
1990	203	09:26	-23.15	-179.83	559	D-2	0.300E+26	3	-4.24
1990	208	12:38	-15.50	167.26	129	I-1	0.730E+27	3	-4.67
1990	217	01:34	29.48	137.50	520	D-2	0.570E+26	6	-4.56
1990	224	21:25	-19.58	169.05	165	I-2	0.430E+27	3	-4.94
1990	271	19:44	-13.47	166.84	185	I-2	0.120E+27	3	-4.95
1990	283	05:54	-23.08	178.93	575	D-2	0.140E+26	3	-4.29
1990	290	14:30	-10.95	-70.73	616	D-2	0.320E+27	4	-4.09

1990	333	20:58	-27.66	-179.79	426	D-1	0.140E+26	3	-4.43
1990	364	19:14	-5.23	150.73	205	I-2	0.180E+28	4	-4.70
1991	031	23:03	36.01	70.23	126	I-1	0.220E+27	4	-4.66
1991	041	14:15	14.00	144.73	154	I-2	0.120E+26	5	-5.37
1991	060	17:30	10.89	-84.67	200	I-2	0.180E+26	5	-4.35
1991	123	02:14	28.14	139.65	453	D-2	0.130E+27	9	-4.52
1991	130	13:33	-15.94	-173.93	131	I-1	0.260E+26	4	-5.11
1991	144	20:50	-16.69	-70.68	127	I-1	0.210E+27	5	-4.38
1991	158	11:51	-7.07	122.43	535	D-2	0.240E+27	5	-4.53
1991	160	07:45	-20.15	-175.90	292	I-2	0.310E+27	5	-4.43
1991	174	21:22	-27.23	-63.25	570	D-2	0.860E+27	5	-4.41
1991	187	12:19	-13.41	-71.88	106	I-1	0.180E+27	4	-5.15
1991	195	09:09	36.12	70.74	228	I-2	0.110E+27	6	-4.17
1991	227	13:36	-15.89	167.95	189	I-2	0.330E+26	4	-4.49
1991	273	00:21	-20.67	-178.52	590	D-2	0.310E+27	5	-4.16
1991	288	16:18	-6.22	129.78	157	I-2	0.200E+26	4	-4.40
1991	291	17:22	-23.84	-177.28	203	I-2	0.500E+26	4	-4.47
1991	309	06:56	-6.36	146.67	82	I-1	0.220E+26	2	-4.39
1991	311	09:21	-7.07	128.62	157	I-2	0.300E+26	2	-4.46
1991	324	09:23	-36.46	178.78	83	I-1	0.150E+26	3	-3.90
1991	325	12:38	5.85	126.89	82	I-1	0.190E+26	2	-4.18
1991	337	10:33	-26.11	178.69	575	D-2	0.320E+26	4	-3.56
1992	013	11:58	1.44	127.50	135	I-2	0.130E+26	4	-4.39
1992	020	13:37	28.02	139.38	523	D-2	0.110E+27	9	-3.76
1992	048	04:42	-21.89	170.25	148	I-2	0.220E+26	7	-4.58
1992	125	08:44	-6.62	130.30	99	I-1	0.170E+26	7	-4.61
1992	137	14:58	-19.20	168.67	162	I-2	0.160E+26	7	-5.02
1992	161	00:31	-8.45	111.11	110	I-1	0.160E+26	5	-4.88
1992	193	10:44	-22.45	-177.96	394	D-1	0.780E+27	8	-4.71
1992	195	18:11	-3.88	-76.72	115	I-1	0.360E+26	7	-4.37
1992	221	01:08	-30.98	-179.80	398	D-1	0.200E+26	5	-4.51
1992	229	10:23	-5.39	146.87	249	I-2	0.290E+26	9	-4.70
1992	243	20:09	-17.75	-178.59	574	D-2	0.470E+26	6	-4.66
1992	259	21:04	-14.02	167.15	196	I-2	0.260E+26	6	-4.45
1992	285	19:24	-19.17	168.83	141	I-2	0.150E+28	8	-4.95
1992	317	22:28	-22.32	-177.72	379	D-1	0.230E+26	7	-4.51
1992	343	07:08	9.22	93.50	90	I-1	0.110E+26	9	-4.52
1993	018	01:18	18.38	146.07	158	I-2	0.220E+26	9	-5.16
1993	060	01:39	-3.68	138.65	98	I-1	0.170E+26	9	-4.61
1993	079	09:20	-56.11	-27.70	128	I-1	0.340E+26	3	-4.30
1993	080	05:04	-17.71	-178.42	608	D-2	0.330E+26	9	-4.24
1993	106	14:08	-17.54	-178.76	592	D-2	0.260E+27	9	-4.79
1993	114	09:54	-17.51	179.97	610	D-2	0.270E+26	6	-4.76
1993	126	13:03	-8.33	-71.38	595	D-2	0.180E+26	8	-4.52
1993	144	23:51	-23.45	-66.88	232	I-2	0.330E+27	5	-4.39
1993	190	15:37	-19.74	-177.31	418	D-1	0.150E+26	9	-4.13
1993	219	17:53	-23.91	179.99	547	D-2	0.130E+27	9	-4.66
1993	221	11:38	36.35	70.59	210	I-2	0.340E+26	9	-4.86
1993	221	12:42	36.48	70.47	214	I-2	0.360E+27	9	-4.48
1993	225	11:02	-35.86	178.89	110	I-1	0.300E+26	4	-4.42
1993	233	09:42	-21.23	-177.65	453	D-2	0.150E+26	6	-4.55
1994	042	21:17	-18.89	169.08	223	I-2	0.210E+27	9	-4.69
1994	073	20:51	15.98	-92.64	168	I-2	0.230E+27	8	-4.99

1994	090	22:40	-22.05	-179.30	607	D-2	0.660E+26	8	-3.88
1994	119	07:11	-28.51	-63.22	566	D-2	0.250E+27	9	-5.07
1994	124	06:37	-17.00	168.32	225	I-2	0.190E+26	9	-4.69
1994	130	06:36	-28.62	-63.02	603	D-2	0.280E+27	9	-4.68
1994	361	17:32	-31.84	179.82	226	I-2	0.400E+26	9	-4.50
1996	162	01:04	-13.54	166.99	197	I-2	0.120E+27	9	-4.95
1997	245	12:13	4.00	-75.57	213	I-2	0.160E+27	5	-4.45
1999	110	19:04	-31.79	-178.79	104	I-1	0.590E+26	8	-4.62
1999	260	14:54	-13.78	167.05	199	I-2	0.310E+26	7	-4.36
2005	218	09:56	-19.60	-175.35	218	I-2	0.110E+26	9	-4.80
2006	227	23:53	-21.18	-175.70	163	I-2	0.190E+26	8	-4.24
2009	193	06:12	-15.25	-70.75	197	I-2	0.210E+26	7	-4.64
2009	326	07:48	-17.72	-178.36	546	D-2	0.380E+26	1	-4.34
2010	168	13:06	-32.90	179.94	205	I-2	0.110E+26	2	-4.30
2010	224	11:54	-1.51	-77.51	198	I-2	0.520E+27	3	-4.34
2011	133	22:47	10.01	-84.31	85	I-1	0.110E+26	4	-4.70
2011	171	16:36	-21.89	-68.63	131	I-1	0.770E+26	4	-5.01
2011	360	04:48	-16.06	-173.61	95	I-1	0.120E+26	5	-4.54
2013	143	17:19	-23.19	-176.88	188	I-2	0.160E+28	3	-4.71
2014	069	17:33	-5.54	147.95	265	I-2	0.110E+26	9	-4.78

Table A2. Reference dataset of 146 shallow earthquakes

Date		Origin Time (GMT)	Epicenter		Depth (km)	Moment (dyn*cm)	Θ
Year	Jul		(°N)	(°E)			
1980	211	14:58	29.42	80.95	22	0.830E+26	-3.49
1981	114	21:50	-13.51	166.43	44	0.230E+27	-4.89
1981	196	07:59	-17.34	167.27	30	0.580E+27	-5.90
1985	355	01:13	-13.89	166.57	46	0.570E+27	-5.14
1987	003	22:04	-15.06	168.20	17	0.120E+27	-4.90
1987	271	11:47	-18.42	167.79	23	0.190E+27	-5.43
1988	233	23:09	26.52	86.64	35	0.230E+27	-4.49
1990	064	16:38	-18.35	168.04	37	0.330E+27	-4.97
1990	095	21:12	15.57	148.08	15	0.160E+28	-4.17
1991	112	21:56	10.10	-82.77	15	0.330E+28	-5.57
1991	292	21:23	30.22	78.24	15	0.180E+27	-4.62
1992	200	08:36	39.47	143.54	15	0.270E+27	-5.20
1992	246	00:16	11.20	-87.81	15	0.340E+28	-6.47
1992	347	05:29	-8.34	122.49	20	0.510E+28	-4.88
1993	193	13:17	42.71	139.28	17	0.470E+28	-4.55
1993	220	08:34	13.06	145.31	59	0.520E+28	-4.68
1994	153	18:17	-11.03	113.04	15	0.530E+28	-6.57
1994	277	13:22	43.60	147.63	68	0.300E+29	-4.52
1995	136	20:12	-23.05	170.00	25	0.390E+28	-4.40
1995	211	05:11	-24.17	-70.74	29	0.121E+29	-5.41
1995	228	10:27	-5.51	153.64	46	0.460E+28	-5.25
1995	282	15:35	19.34	-104.80	15	0.115E+29	-5.78
1995	337	18:01	44.82	150.17	26	0.820E+28	-5.44
1996	001	08:05	0.74	119.93	15	0.780E+28	-5.48
1996	047	15:22	37.32	142.31	40	0.133E+27	-4.68
1996	048	05:59	-0.67	136.62	15	0.240E+29	-5.74
1996	052	12:51	-9.95	-80.23	15	0.220E+28	-6.06
1996	162	04:03	51.10	-177.41	29	0.810E+28	-5.49
1996	317	16:59	-15.04	-75.37	37	0.460E+28	-5.16
1997	339	11:26	54.31	161.91	34	0.530E+28	-5.46
1998	084	03:12	-62.99	148.64	29	0.170E+29	-5.33
1999	087	19:05	30.38	79.21	15	0.780E+26	-4.35
1999	229	00:01	41.01	29.97	17	0.288E+28	-5.70
1999	263	17:47	24.15	120.80	21	0.340E+28	-5.05
1999	273	16:31	16.20	-96.96	47	0.170E+28	-5.01
1999	330	13:21	-16.08	168.31	15	0.167E+28	-4.88
2000	156	16:28	-4.73	101.94	44	0.750E+28	-4.69
2000	170	14:44	-13.47	97.17	15	0.790E+28	-5.26
2000	321	04:54	-4.56	152.79	24	0.124E+29	-5.57
2000	321	07:42	-5.03	153.17	31	0.650E+28	-5.68
2000	322	21:01	-5.26	152.34	17	0.560E+28	-6.11
2001	013	17:33	12.97	-89.13	56	0.460E+28	-4.85
2001	026	03:16	23.63	70.24	20	0.340E+28	-4.67

2001	174	20:33	-17.28	-72.71	30	0.470E+29	-6.22
2001	318	09:26	35.80	92.91	15	0.590E+28	-6.31
2002	064	21:16	5.92	124.25	29	0.194E+28	-5.21
2002	108	05:02	16.79	-101.22	15	0.150E+27	-5.45
2002	307	22:12	63.23	-144.89	15	0.750E+28	-5.46
2003	141	18:44	36.93	3.58	15	0.201E+27	-4.56
2003	146	09:24	38.94	141.57	61	0.390E+27	-4.09
2003	196	20:27	-1.42	69.47	15	0.251E+28	-5.64
2003	233	12:12	-45.01	166.87	32	0.748E+27	-4.81
2003	268	19:50	42.21	143.84	28	0.300E+29	-5.36
2003	304	01:06	37.89	142.68	15	0.350E+27	-5.32
2003	321	06:43	51.14	177.86	22	0.530E+28	-5.51
2004	283	21:26	11.25	-87.02	39	0.301E+27	-5.26
2004	358	14:59	-49.91	161.25	28	0.160E+29	-5.01
2004	361	00:58	3.09	94.26	29	0.100E+31	-6.40
2005	087	16:09	1.67	97.07	26	0.100E+30	-5.54
2005	166	02:50	41.15	-126.42	20	0.830E+27	-5.55
2005	205	15:42	7.92	91.88	12	0.888E+27	-4.84
2005	228	02:46	38.24	142.05	37	0.760E+27	-4.83
2005	239	18:38	6.77	-82.36	20	0.150E+26	-5.09
2005	281	03:50	34.38	73.47	12	0.294E+28	-4.87
2005	318	21:38	38.22	144.97	18	0.370E+27	-4.53
2005	364	18:26	7.44	-82.33	18	0.160E+26	-4.83
2006	002	06:10	-61.12	-21.39	20	0.137E+28	-5.24
2006	006	03:39	6.60	-82.35	15	0.130E+26	-4.72
2006	053	22:19	-21.20	33.33	12	0.416E+27	-4.70
2006	110	23:25	60.89	167.05	12	0.306E+28	-5.23
2006	123	15:26	-20.39	-173.47	68	0.964E+28	-4.35
2006	198	08:19	-10.28	107.78	20	0.396E+28	-6.13
2006	232	03:41	-61.27	-34.52	17	0.363E+27	-4.74
2006	271	06:22	-16.63	-171.66	16	0.250E+27	-4.39
2006	288	17:07	19.83	-155.94	48	0.131E+27	-4.75
2006	319	11:14	46.71	154.33	14	0.337E+29	-6.01
2006	360	12:26	21.81	120.52	20	0.330E+27	-4.63
2007	013	04:23	46.17	154.80	12	0.165E+29	-4.76
2007	021	11:27	1.10	126.21	22	0.201E+28	-4.82
2007	091	20:39	-7.79	156.34	14	0.160E+29	-5.35
2007	111	17:53	-45.48	-72.95	12	0.280E+26	-4.85
2007	227	23:40	-13.73	-77.04	34	0.111E+29	-5.41
2007	245	01:05	-11.74	165.68	18	0.112E+28	-5.67
2007	255	11:10	-3.78	100.99	24	0.505E+29	-5.78
2007	255	23:49	-2.46	100.13	43	0.150E+29	-5.54
2007	256	03:35	-2.31	99.39	17	0.436E+27	-4.87
2007	273	05:23	-49.26	164.10	13	0.153E+28	-4.79
2007	318	15:40	-22.64	-70.62	38	0.465E+28	-4.88
2007	353	09:30	51.02	-179.27	28	0.630E+27	-5.24
2007	354	07:55	-38.92	178.40	30	0.900E+26	-4.63
2008	128	16:45	36.18	141.61	26	0.240E+27	-4.93
2008	133	06:28	31.44	104.10	13	0.943E+28	-4.97

2008	293	05:10	-21.82	-173.56	43	0.279E+27	-4.41
2008	321	17:02	1.50	122.05	29	0.120E+28	-5.03
2009	003	19:43	-0.38	132.83	15	0.343E+28	-5.12
2009	078	18:17	-23.08	-174.23	49	0.400E+28	-4.57
2009	096	01:32	42.29	13.35	12	0.340E+26	-5.05
2009	148	08:24	16.50	-87.17	12	0.130E+28	-5.00
2009	182	09:30	34.00	25.50	12	0.539E+26	-5.07
2009	196	09:22	-45.85	166.26	24	0.601E+28	-5.33
2009	222	19:55	14.16	92.94	22	0.208E+28	-4.72
2009	245	07:55	-8.12	107.33	53	0.560E+27	-4.43
2009	272	17:48	-15.13	-171.97	12	0.120E+29	-4.82
2009	273	10:16	-0.79	99.67	78	0.267E+28	-4.65
2009	295	00:51	6.64	-82.69	23	0.100E+26	-4.80
2010	003	22:36	-8.88	157.21	12	0.530E+27	-5.18
2010	012	21:53	18.61	-72.62	12	0.440E+27	-4.65
2010	057	20:31	25.86	128.61	18	0.300E+27	-4.51
2010	058	06:34	-35.98	-73.15	23	0.184E+30	-5.35
2010	058	08:01	-38.09	-75.41	20	0.140E+28	-4.49
2010	070	14:39	-34.54	-72.11	13	0.210E+27	-4.15
2010	094	22:40	32.31	-115.39	13	0.728E+27	-5.48
2010	103	23:49	33.05	96.79	16	0.253E+27	-5.27
2010	146	08:53	25.80	130.01	12	0.530E+26	-4.87
2010	298	14:42	-3.71	99.32	12	0.666E+28	-6.22
2010	355	17:19	27.10	143.76	16	0.180E+28	-4.30
2010	359	13:16	-19.67	168.04	17	0.110E+28	-4.45
2011	002	20:20	-38.71	-73.84	19	0.564E+27	-5.18
2011	013	16:16	-20.68	168.34	17	0.370E+27	-4.26
2011	052	23:51	-43.60	172.52	12	0.200E+26	-4.19
2011	068	02:45	38.56	142.78	14	0.120E+28	-5.25
2011	070	05:46	37.52	143.05	20	0.400E+30	-5.65
2011	070	06:25	38.27	144.63	21	0.310E+28	-4.12
2011	097	14:32	38.32	141.85	53	0.590E+27	-4.37
2011	173	21:50	39.99	142.51	41	0.150E+27	-4.82
2011	175	03:09	52.09	-171.77	74	0.740E+27	-4.28
2011	187	19:03	-29.22	-175.83	22	0.300E+28	-4.72
2011	191	00:57	37.98	143.33	22	0.400E+27	-4.65
2012	010	18:37	2.59	92.98	24	0.710E+27	-5.04
2012	240	04:37	12.02	-89.17	12	0.118E+28	-6.42
2012	249	14:42	10.00	-85.64	30	0.340E+28	-5.59
2012	302	03:04	52.61	-132.06	12	0.740E+28	-5.59
2012	312	16:35	14.11	-92.43	21	0.147E+28	-5.44
2012	324	09:44	-5.90	151.79	20	0.136E+26	-4.74
2013	037	01:12	-11.18	165.21	20	0.116E+29	-6.30
2013	106	10:44	27.89	62.21	51	0.511E+28	-4.90
2013	106	22:55	-3.13	142.61	18	0.620E+26	-5.04
2013	267	11:29	26.70	65.04	12	0.481E+28	-5.32
2014	091	23:46	-19.70	-70.81	22	0.231E+29	-5.40
2014	093	05:26	-20.72	-70.90	32	0.707E+26	-5.05
2014	287	03:51	12.33	-88.45	41	0.110E+28	-5.12

2015	259	22:54	-31.13	-72.09	17	0.320E+29	-5.63
2015	338	22:24	-47.74	85.23	29	0.587E+27	-5.20
2016	107	23:58	-0.12	-80.25	22	0.553E+28	-5.15
2016	318	11:02	-42.03	173.85	19	0.704E+28	-5.16
2016	344	19:10	-10.95	161.06	12	0.279E+27	-5.69
