

Appendix D

TOR waveform database

This table show source parameters for the 276 earthquake stored in the TOR waveform database. The time window sorted for each event is based on the magnitude (Mb): 2 hours for events below 5.7, 3 hours for events between 5.7 and 6, 4 hours for events between 6 and 6.4, 5.5 hours for events between 6.4 and 6.8. The TOR data is free for scientific use and can be downloaded from the anonymous ftp : [seis.geus.dk/pub/tor](ftp://seis.geus.dk/pub/tor). The list is based on the USGS/NEIC PDE list.

Date	Time	Lat.	Long.	Mb	Date	Time	Lat.	Long.	Mb
1996/07/15	00:13:31.3	45.94	6.11	5.3	1996/10/10	15:21:06.07	3.442	97.836	5.7
1996/07/15	16:51:22.2	18.705	145.701	5.9	1996/10/14	23:26:21.08	-7.153	155.675	5.9
1996/07/15	21:23:33.3	17.507	-100.994	5.7	1996/10/17	16:15:27.76	5.665	125.992	5.7
1996/07/16	03:48:28.0	56.011	165.029	5.7	1996/10/18	10:50:22.79	30.594	131.034	6.0
1996/07/16	10:07:36.4	0.987	120.288	6.0	1996/10/19	14:44:43.27	31.909	131.516	6.3
1996/07/22	14:19:35.2	1.005	120.448	5.9	1996/10/19	14:53:49.81	-20.445	-178.395	6.1
1996/07/23	03:32:12.4	-26.808	-177.193	5.9	1996/10/22	22:15:02.89	63.459	-145.386	5.7
1996/08/02	12:55:29.7	-10.730	161.423	6.2	1996/10/24	19:31:55.63	66.989	-173.156	6.0
1996/08/05	02:08:58.5	-15.19	-173.14	5.9	1996/10/25	19:59:41.64	-17.440	-70.007	5.5
1996/08/05	21:39:16.9	-1.876	-80.991	5.7	1996/11/01	03:32:36.98	-1.291	149.674	5.7
1996/08/05	22:38:22.1	-20.597	-178.548	6.5	1996/11/04	17:24:58.08	7.323	-77.327	6.0
1996/08/10	11:20:19.7	-4.962	152.118	5.6	1996/11/05	09:41:35.04	-31.218	-179.829	5.9
1996/08/10	18:12:20.6	38.884	140.525	5.9	1996/11/05	12:29:48.79	9.797	126.368	5.7
1996/08/11	01:31:09.0	-13.416	166.795	5.7	1996/11/06	20:01:01.84	28.100	143.548	6.4
1996/08/12	17:00:26.6	-0.249	125.107	5.7	1996/11/06	20:00:59.0	27.995	143.596	6.3
1996/08/13	06:38:16.8	-0.256	125.099	5.7	1996/11/07	06:10:18.44	9.842	126.320	5.7
1996/08/13	19:33:40.2	-15.762	-13.176	5.5	1996/11/11	00:47:22.37	-32.561	-178.839	5.9
1996/08/15	07:33:51.2	-13.275	166.813	5.6	1996/11/11	09:22:29.43	19.323	94.982	5.6
1996/08/22	05:35:41.1	-7.114	123.158	5.8	1996/11/12	16:59:43.77	-14.963	-75.606	6.5
1996/09/01	06:45:41.6	-11.78	166.59	5.5	1996/11/13	02:41:40.29	-14.938	-75.660	5.6
1996/09/02	20:41:52.7	12.290	143.831	5.7	1996/11/14	07:58:59.94	-11.338	166.505	5.7
1996/09/04	04:14:03.2	36.987	2.866	5.3	1996/11/14	13:47:39.07	-21.279	-176.466	5.9
1996/09/04	19:06:50.2	9.423	-84.265	5.8	1996/11/17	19:17:49.77	11.157	-86.111	5.5
1996/09/05	08:14:14.1	-22.18	-113.49	6.2	1996/11/19	00:12:20.58	24.502	92.630	5.5
1996/09/05	09:46:59.4	-22.06	-113.04	5.7	1996/11/19	10:44:46.38	35.269	78.126	6.1
1996/09/05	23:42:05.9	21.877	121.430	6.3	1996/11/20	02:27:50.54	34.406	141.122	5.9
1996/09/06	12:39:41.6	-7.26	155.82	5.5	1996/11/20	17:58:07.28	16.372	120.464	5.7
1996/09/06	17:03:46.7	-7.30	155.83	5.5	1996/11/21	02:28:36.43	10.927	141.567	5.6
1996/09/09	00:20:38.6	-32.01	-71.48	6.0	1996/11/21	07:43:40.74	6.623	126.484	5.8
1996/09/11	02:37:15.5	35.548	140.939	6.0	1996/11/28	17:40:44.87	34.629	140.204	5.6
1996/09/11	03:36:36.70	51.462	11.444	0.0	1996/11/28	21:26:02.09	-1.294	-24.188	5.2
1996/09/14	13:10:53.9	-10.874	165.979	6.0	1996/12/02	04:08:50.54	34.378	32.171	5.0
1996/09/15	18:17:32.1	-6.421	154.812	5.7	1996/12/02	22:18:00.45	31.841	131.350	6.0
1996/09/20	00:03:18.3	9.590	126.324	5.8	1996/12/03	12:56:57.84	-18.407	-172.167	6.0
1996/09/20	04:10:27.4	9.405	126.326	5.8	1996/12/04	06:06:44.81	36.567	68.576	5.0
1996/09/21	01:23:36.8	-6.24	146.21	5.7	1996/12/05	00:25:07.89	44.070	150.279	5.1
1996/09/24	11:42:19.1	15.156	-61.45	6.0	1996/12/05	03:51:09.36	14.533	-92.173	5.1
1996/10/01	00:52:53.07	52.011	-166.522	5.6	1996/12/07	20:32:26.35	45.849	151.427	5.1
1996/10/01	15:50:26.45	12.412	58.090	5.8	1996/12/08	19:30:43.97	-27.888	74.090	5.1
1996/10/02	09:48:02.1	11.746	125.509	6.0	1996/12/08	23:52:07.32	14.995	-93.984	5.0
1996/10/02	11:24:52.38	45.181	151.057	6.1	1996/12/09	10:36:21.38	29.898	-42.755	5.0
1996/10/02	16:00:22.58	53.431	160.318	5.6	1996/12/09	11:28:49.58	29.813	-42.825	5.9
1996/10/06	20:13:09.98	49.108	-127.831	5.8	1996/12/09	17:46:13.05	46.846	150.670	5.1
1996/10/09	13:10:52.37	34.530	32.072	6.4	1996/12/10	08:36:19.42	0.958	-29.945	6.0
1996/10/09	14:19:39.82	34.555	32.195	5.7	1996/12/10	16:03:04.36	12.511	-88.955	5.2

Date	Time	Lat.	Long.	Mb	Date	Time	Lat.	Long.	Mb
1996/12/13	12:35:26.03	-56.376	-27.273	5.2	1997/02/10	03:33:29.13	-26.324	83.513	5.0
1996/12/14	21:15:35.73	12.690	-88.762	5.2	1997/02/10	19:25:28.70	-9.658	119.429	5.6
1996/12/18	10:12:29.27	-25.089	-70.682	5.8	1997/02/10	20:17:27.20	24.641	-109.143	5.0
1996/12/19	02:50:28.11	13.030	-89.970	5.0	1997/02/10	22:57:14.94	42.663	144.444	5.2
1996/12/21	01:28:47.60	36.087	139.826	5.7	1997/02/14	23:43:45.75	-56.440	-27.461	5.4
1996/12/21	08:39:43.91	30.675	99.599	5.2	1997/02/20	07:55:00.71	41.873	142.736	5.4
1996/12/21	11:15:26.02	11.495	-86.859	5.1	1997/02/21	23:40:27.16	43.855	149.081	6.1
1996/12/22	14:53:28.92	43.172	138.897	6.0	1997/02/24	04:17:04.95	10.834	-43.660	5.0
1996/12/22	22:16:44.20	45.884	150.428	5.0	1997/02/25	19:45:08.76	-21.135	169.647	5.7
1996/12/23	05:51:27.75	34.307	-37.280	5.1	1997/02/26	18:27:12.39	-47.475	100.185	5.2
1996/12/23	10:20:36.02	34.266	-37.102	5.0	1997/02/27	14:22:18.91	41.553	142.093	5.0
1996/12/24	06:29:15.96	34.246	-37.000	5.0	1997/02/27	21:08:02.65	29.932	68.178	6.3
1996/12/24	22:16:27.59	34.233	38.829	5.1	1997/02/27	21:17:28.07	29.774	68.312	5.1
1996/12/25	06:59:45.61	-60.753	-20.037	5.0	1997/02/27	21:30:37.13	29.953	67.969	6.0
1996/12/26	20:48:23.27	-2.224	138.863	6.0	1997/02/28	11:32:21.08	43.993	147.806	6.1
1996/12/27	02:49:46.46	-16.066	178.283	5.5	1997/02/28	12:57:24.38	38.045	48.054	5.5
1996/12/27	06:27:13.53	34.234	-36.948	5.0	1997/03/01	06:04:15.85	39.396	76.838	5.2
1996/12/29	03:43:27.90	-6.93	131.15	5.8	1997/03/02	01:04:18.29	44.045	147.802	5.2
1996/12/30	11:08:18.89	27.407	86.623	5.0	1997/03/02	18:29:46.00	38.099	47.950	5.1
1996/12/30	19:41:53.78	-4.011	128.150	6.0	1997/03/03	22:33:45.64	-6.447	156.517	5.6
1996/12/31	12:41:44.00	15.844	-92.963	5.4	1997/03/04	13:03:50.86	29.385	68.785	5.4
1996/12/31	23:57:45.31	34.346	-37.168	5.2	1997/03/04	17:24:20.09	-10.515	66.220	5.0
1997/01/01	22:32:33.62	-0.123	123.866	5.9	1997/03/04	21:41:59.98	34.508	-36.622	5.0
1997/01/02	10:52:37.28	10.524	92.638	5.1	1997/03/05	12:20:21.77	52.553	158.874	5.0
1997/01/03	03:58:23.87	-19.210	-174.718	5.7	1997/03/05	13:55:54.73	-13.377	166.476	5.5
1997/01/03	21:51:31.69	60.948	167.402	5.7	1997/03/06	06:19:35.34	52.575	158.875	5.1
1997/01/04	18:44:57.36	12.768	-88.874	5.0	1997/03/08	23:29:05.34	11.687	43.205	5.1
1997/01/05	08:47:27.36	29.790	80.528	5.6	1997/03/11	05:26:01.35	-31.068	-177.583	5.6
1997/01/08	06:43:10.52	17.646	-72.237	5.3	1997/03/11	07:39:20.13	51.950	159.229	5.3
1997/01/09	08:50:19.85	34.430	-37.263	5.2	1997/03/11	19:21:24.45	8.148	126.295	5.7
1997/01/09	13:43:32.66	41.025	74.266	5.7	1997/03/11	19:22:01.04	7.759	127.688	6.3
1997/01/10	19:19:56.39	43.105	145.837	5.0	1997/03/13	20:41:22.60	-4.240	143.100	5.6
1997/01/11	20:28:29.67	18.262	-102.700	6.5	1997/03/15	05:51:36.07	-59.952	150.058	5.0
1997/01/13	10:19:27.78	34.252	32.322	5.3	1997/03/16	05:51:38.63	34.931	137.487	5.7
1997/01/14	08:12:58.99	49.416	155.546	5.0	1997/03/17	05:20:39.55	18.951	-62.888	5.0
1997/01/16	21:41:08.73	18.107	-102.530	5.6	1997/03/17	08:05:52.45	-6.683	105.365	5.8
1997/01/17	11:20:24.14	-8.939	123.568	6.2	1997/03/17	09:23:18.39	41.871	142.198	5.1
1997/01/17	15:53:14.48	28.840	129.862	5.9	1997/03/18	11:26:18.54	34.155	26.136	5.1
1997/01/17	23:24:11.16	-47.401	-13.457	5.4	1997/03/19	17:50:43.59	-16.635	-173.784	5.5
1997/01/19	04:33:23.87	19.974	121.364	5.7	1997/03/20	02:17:07.29	-1.712	-12.978	5.0
1997/01/21	01:48:32.24	39.431	77.013	5.3	1997/03/20	08:50:42.33	30.095	68.016	5.5
1997/01/21	20:47:48.59	38.059	29.021	5.0	1997/03/20	18:02:21.52	34.003	8.283	5.2
1997/01/21	21:19:59.84	16.476	-97.909	5.1	1997/03/21	12:07:18.40	-31.267	179.765	5.6
1997/01/22	17:57:25.38	36.175	35.861	5.4	1997/03/22	13:54:28.14	-58.718	-25.237	5.0
1997/01/22	18:27:37.09	36.171	35.907	5.3	1997/03/22	16:43:11.94	-56.242	-26.828	5.0
1997/01/23	02:15:23.30	-21.954	-65.579	6.3	1997/03/23	20:48:50.75	30.918	-41.522	5.4
1997/01/27	16:47:33.91	17.820	-102.699	5.0	1997/03/25	14:20:50.76	30.874	-41.579	5.2
1997/01/28	16:30:19.50	-27.643	-136.101	5.2	1997/03/26	02:08:59.64	51.254	179.521	6.0
1997/01/29	23:19:23.47	-12.908	166.478	5.5	1997/03/26	04:22:53.62	33.368	35.366	5.0
1997/01/31	20:02:17.98	27.995	85.201	5.2	1997/03/26	08:31:48.78	31.955	130.418	5.6
1997/02/03	07:53:25.91	50.841	155.334	5.1	1997/03/26	18:18:36.44	2.836	128.253	5.7
1997/02/04	09:53:57.51	37.558	57.277	5.3	1997/03/27	23:48:00.55	-55.571	-27.744	5.0
1997/02/04	10:37:49.74	37.749	57.352	5.9	1997/03/31	11:39:30.32	51.709	158.004	5.0
1997/02/05	07:53:47.70	37.623	57.530	5.2	1997/04/01	15:11:49.35	7.754	-82.391	5.7
1997/02/05	19:29:06.94	51.740	-131.159	5.0	1997/04/01	18:33:33.01	-18.279	-69.435	5.9
1997/02/07	08:41:14.62	-19.942	-173.066	6.0	1997/04/01	18:42:14.31	-18.406	-69.324	5.8
1997/02/08	01:55:57.41	-8.513	159.088	5.8	1997/04/02	00:01:25.54	44.347	152.919	5.3
1997/02/08	12:39:44.34	1.654	97.869	5.3	1997/04/02	06:14:32.60	11.377	-61.108	5.8
1997/02/09	12:32:38.47	-14.443	-76.192	5.7	1997/04/03	21:22:29.59	18.097	-98.177	5.1
1997/02/09	18:57:40.48	55.223	161.973	5.9	1997/04/03	22:40:38.53	53.445	160.361	5.0

Date	Time	Lat.	Long.	Mb	Date	Time	Lat.	Long.	Mb
1997/04/04	14:01:07.50	13.833	-90.806	5.0	1997/05/08	02:53:16.54	24.918	92.233	5.6
1997/04/05	12:23:31.45	-6.501	147.491	6.1	1997/05/08	13:29:24.86	51.746	-170.770	5.8
1997/04/05	18:13:47.93	-57.918	-25.619	5.1	1997/05/09	09:06:40.85	13.204	144.830	5.9
1997/04/05	23:46:20.81	39.486	76.876	5.4	1997/05/10	07:57:31.40	33.825	59.839	6.4
1997/04/06	04:36:35.36	39.451	77.005	5.6	1997/05/11	22:16:15.75	-36.301	-97.759	5.6
1997/04/06	12:58:21.18	39.548	76.931	5.2	1997/05/12	13:45:26.18	10.174	121.578	5.5
1997/04/07	04:27:20.64	11.420	-86.641	5.2	1997/05/13	05:38:32.22	31.866	130.328	5.6
1997/04/08	18:07:12.06	18.353	120.980	6.0	1997/05/13	14:13:47.30	36.487	70.966	6.1
1997/04/11	01:11:04.12	-57.965	-25.468	5.2	1997/05/16	07:00:48.44	40.960	20.254	5.4
1997/04/11	05:34:44.85	39.529	76.948	5.8	1997/05/17	00:26:16.47	8.379	58.400	5.1
1997/04/12	09:21:59.08	-28.172	-178.276	5.8	1997/05/21	14:10:28.21	-20.438	169.357	5.9
1997/04/12	21:09:10.57	39.473	76.920	5.2	1997/05/21	20:23:01.13	-0.030	-16.742	5.2
1997/04/15	07:51:05.16	16.456	-86.856	5.0	1997/05/21	22:51:30.90	23.093	80.107	6.0
1997/04/15	18:19:11.42	39.599	77.010	5.4	1997/05/21	23:50:45.73	42.991	-7.235	5.3
1997/04/15	19:04:28.77	-8.802	26.370	5.0	1997/05/22	00:17:19.69	42.937	-7.250	5.1
1997/04/19	05:53:15.50	28.040	56.898	5.5	1997/05/22	07:50:56.44	18.707	-101.569	5.9
1997/04/19	15:26:37.12	78.422	125.834	5.7	1997/05/22	13:21:37.82	18.994	121.316	5.7
1997/04/21	12:02:28.99	-12.643	166.805	6.4	1997/05/25	23:22:34.40	-32.146	179.929	6.2
1997/04/21	12:06:36.23	-12.923	166.615	6.1	1997/05/27	08:00:31.20	-15.230	-173.250	5.6
1997/04/21	12:11:29.91	-13.543	166.668	6.2	1997/05/27	15:09:04.86	16.297	145.560	5.5
1997/04/21	12:15:59.57	-13.439	166.316	6.0	1997/05/29	17:02:41.29	-35.930	-102.550	5.6
1997/04/21	14:01:26.31	-7.396	125.832	5.9	1997/06/02	21:24:40.91	-57.804	-25.455	5.9
1997/04/22	05:56:00.72	-3.426	102.095	5.6	1997/06/10	21:53:55.40	-35.770	-108.100	5.8
1997/04/22	09:31:25.04	11.159	-61.015	6.0	1997/06/12	12:07:38.40	-6.040	146.970	5.6
1997/04/22	10:11:48.82	11.112	-60.993	5.6	1997/06/24	23:04:53.00	-1.899	127.810	6.0
1997/04/22	16:51:54.00	-13.280	166.590	5.5	1997/07/08	02:24:07.30	23.804	142.681	5.9
1997/04/23	03:47:20.70	-13.640	166.500	5.5	1997/07/14	16:09:35.30	43.251	146.350	5.9
1997/04/23	19:44:29.90	14.008	144.967	6.2	1997/07/19	14:22:04.80	15.843	-98.193	5.7
1997/04/27	00:31:34.48	-19.170	168.814	5.8	1997/07/19	16:10:16.40	-22.982	169.874	5.6
1997/04/28	12:07:40.11	-42.499	42.412	5.7	1997/07/22	10:16:54.80	-6.199	154.706	5.6
1997/05/01	11:37:35.30	18.923	-107.322	6.2	1997/07/28	06:46:55.50	22.348	142.690	5.8
1997/05/03	16:46:03.64	-31.759	-179.245	6.6	1997/08/08	22:27:23.30	-15.461	-179.186	5.7
1997/05/07	16:16:48.06	40.369	51.667	5.4	1997/08/13	04:45:04.90	25.012	125.772	6.0