APPENDICES

for

Basic report for «Akkuyu» NPP site

Appendices

Appendix A – Map in 1:500 000 Scale

Appendix B – Map in 1:250 000 Scale

Appendix C – Map in 1:10 000 Scale

Appendix D – Distances from Settlements to NPP Site

Settlement	**Region**	**Distance, m**
Aganinbagi Qua.	Aydincik	22924.97
Akcakoyunlu Qua.	Gülnar	13082.94
Akcay Qua.	Gülnar	24501.68
Akdam Qua.	Silifke	16461.38
Akdere	Silifke	21560.46
Akkuyu Qua.	Gülnar	523.73
Anay Qua.	Gülnar	26976.95
Araplikoy Qua.	Gülnar	13444.27
Arpalik Qua.	Aydincik	19434.38
Asagigecirim Plateau	Silifke	22371.98
Ataturk Qua.	Aydincik	20786.43
Aydincik	Aydincik	19443.94
Ayvali Qua.	Gülnar	25704.95
Bagalani Qua.	Silifke	23622.00
Bagbasi Qua.	Silifke	24025.92
Bagbucagi	Silifke	21923.28
Beydili	Gülnar	11111.68
Bogsak Qua.	Silifke	28287.01
Bozagac	Gülnar	21212.52
Bozburun Ridge	Gülnar	17553.78
Bucak Qua.	Aydincik	24717.58
Bucak Qua.	Silifke	22905.44
Bucakli Qua.	Silifke	17840.29
Buyukeceli (Ovacik)	Gülnar	3505.55
Calfili Qua.	Aydincik	24831.54
Calti Qua.	Silifke	25423.85
Candir Arasi	Aydincik	25964.52
Catak Qua.	Aydincik	29828.12
Cavuslar	Gülnar	16023.80
Cecenalani Qua.	Gülnar	15964.18
Ceviz Qua.	Gülnar	29942.17
Cevlik Qua.	Aydincik	22477.18

Settlement	**Region**	**Distance, m**
Ciftlik Qua.	Aydincik	20456.69
Cilbayir	Silifke	28796.36
Cocenli Qua.	Aydincik	29539.04
Cukurasma	Gulnar	28639.99
Cumhuriyet Qua.	Aydincik	18373.19
Dedeler	Gulnar	15076.99
Delikkaya	Gulnar	16610.61
Deliktas Bogazi	Gulnar	18284.00
Deliktas Bogazi	Silifke	24851.08
Derince Qua.	Gulnar	12067.44
Devedami Qua.	Silifke	14520.82
Dibekli Qua.	Silifke	13400.02
Direkliin Qua.	Gulnar	22063.16
Dortolucesme	Gulnar	24278.52
Duruhan	Aydincik	24351.79
Egripinar Qua.	Silifke	13060.86
Emirhaci	Gulnar	17003.95
Enisdibi Qua.	Aydincik	17875.60
Erkec	Silifke	29432.07
Eski Yuruk	Aydincik	17268.83
Falaka	Gulnar	28433.76
Fidik Qua.	Aydincik	12228.99
Gokbelen	Silifke	24101.46
Gokceharman Qua.	Silifke	19443.13
Gokgedik	Silifke	29147.49
Golcuk Qua. (Old Settlement)	Silifke	28769.73
Gonca Qua.	Gulnar	16484.91
Gulnar	Gulnar	25168.78
Gumuslu	Silifke	29115.25
Hacibahattin	Aydincik	17803.36
Haciishakli	Silifke	12035.17
Hacipinar Qua.	Gulnar	26101.10

Settlement	**Region**	**Distance, m**
Hasancik Qua.	Aydincik	24706.29
Havuzlu Qua.	Aydincik	25802.99
Havuzlu Qua.	Aydincik	27237.78
Hazinebucagi Qua.	Aydincik	20816.50
Hirmanli	Silifke	10907.75
Hirmanli Plateau	Gülnar	19672.03
Hurriyet Qua.	Aydincik	16672.43
Imambekirli	Silifke	27932.22
Imamusagi	Silifke	27299.90
Inasar Qua.	Gülnar	16892.81
Incekum	Gülnar	5146.73
Ingedik Qua.	Gülnar	14930.31
Isikli	Silifke	16681.02
Kalebeleni Qua.	Aydincik	21165.63
Karabelen Qua.	Silifke	26610.63
Karabucak	Gülnar	19212.73
Karabucak Qua.	Silifke	27367.24
Karabuk Qua.	Gülnar	16254.30
Karacam	Gülnar	28007.58
Karadere Qua.	Aydincik	26127.60
Karadere Qua.	Gülnar	7368.96
Karakaklik Qua.	Aydincik	17656.61
Karakuz Qua.	Aydincik	29898.12
Karaseki	Aydincik	22370.06
Karatepe Qua.	Gülnar	8269.47
Kargi Qua.	Silifke	15082.36
Kargicak Qua.	Silifke	18403.06
Katrancikuyu	Gülnar	16708.83
Kavak Qua.	Silifke	28139.17
Kavaklicesme	Silifke	29410.26
Kavakolugu	Gülnar	18172.61
Kaya Qua.	Aydincik	25286.92

Settlement	**Region**	**Distance, m**
Kayabasi Qua.	Silifke	16161.93
Kayakbagi Qua.	Silifke	26692.09
Kayrak	Gülnar	22866.49
Kelolukcesmesi	Gülnar	23991.58
Kemer Qua.	Silifke	9053.50
Kerimcaticesme	Gülnar	27413.84
Kesiksogut Qua.	Gülnar	13118.80
Kesme Qua.	Aydincik	22534.46
Kirlikkuyusu	Silifke	23661.46
Kirtil Dagi	Silifke	24927.70
Kocasli	Gülnar	4645.91
Konurgedigi Qua.	Aydincik	13134.85
Korucuk	G Gülnar	18867.99
Korucuk Qua.	Silifke	25726.98
Kosk Qua.	Aydincik	16717.89
Koyyeri Qua.	Aydincik	14076.19
Kucumlu Qua.	Aydincik	29380.87
Kuyugedigi Qua.	Aydincik	25678.72
Kuzkuyu	Silifke	19988.67
Kuzkuyu Qua.	Gülnar	21226.74
Lapa Qua.	Gülnar	14752.54
Manavgedigi Ridge	Silifke	27333.47
Mandira	Aydincik	22151.44
Merkez Qua.	Aydincik	20005.12
Midikli Qua.	Aydincik	22426.12
Mollaomer Qua.	Aydincik	21736.47
Mollaomerli	Gülnar	21821.28
Murtcukuru Qua.	Aydincik	15797.49
Nisadir Qua.	Silifke	16630.78
Omerefendikuyu	Gülnar	26896.39
Oren Duzu	Aydincik	26590.01
Orenduzu Qua.	Aydincik	25239.66

Settlement	**Region**	**Distance, m**
Orenli Qua.	Gülnar	9901.28
Ortakoy Qua.	Aydincik	29977.06
Pamucak Qua.	Gülnar	12951.21
Payam Qua.	Aydincik	22584.75
Pelitpinari	Silifke	26731.09
Pinarbasi Qua.	Gülnar	18427.21
Purcuklu	Silifke	27061.26
Sara Qua.	Gülnar	24222.63
Sarikavak Qua.	Gülnar	26406.99
Sarikayak Qua.	Gülnar	28701.89
Sayliharman Qua.	Gülnar	17777.64
Sele Qua.	Aydincik	17852.26
Seyhomer	Gülnar	29967.69
Sipahili	Gülnar	7679.94
Soguksu Qua.	Aydincik	22310.72
Somat Qua.	Gülnar	23428.72
Sultanbucak Qua.	Silifke	27543.34
Suuctugu Qua.	Aydincik	16977.95
Tapirdamazli Qua.	Silifke	26743.23
Teknecik	Aydincik	24649.15
Tepekoy	Gülnar	8622.20
Tirnak	Gülnar	18516.46
Tisan Tatil Koyu	Silifke	13004.00
Tol Qua.	Gülnar	28660.81
Torukou Qua.	Bozyazi	29212.80
Ulupinar	Gülnar	14802.78
Usakpinari Plateau	Gülnar	20613.18
Velihoca Qua.	Gülnar	10546.05
Yagrat	Aydincik	25567.16
Yali Qua.	Silifke	11227.66
Yanisli	Gülnar	4405.07
Yanisli (Old Settlement)	Gülnar	6642.75

Settlement	**Region**	**Distance, m**
Yapal Qua.	Silifke	14263.52
Yaslidam Qua.	Silifke	23577.40
Yaslidamlar Qua.	Silifke	24131.95
Yassibag	Gülnar	24693.79
Yayla Evleri	Silifke	29581.21
Yelligedik Qua.	Aydincik	28818.10
Yeni Yuruk	Aydincik	19807.76
Yeni Yurukkas	Aydincik	19993.06
Yenice Qua.	Gülnar	23650.48
Yenikas Qua.	Aydincik	23147.45
Yenimaahalle Qua.	Aydincik	15706.57
Yokusbasi	Aydincik	17850.83
Yukarikavakolugu Qua.	Gülnar	19648.54
Ziftlik Qua.	Gülnar	22056.35

Appendix E – Geological Map in 1:25 000 Scale

Appendix F – Geological Map in 1:5000 Scale

Appendix G – Geological Profiles to Hydrogeological Map in 1:25 000 Scale

Appendix H – Stratigraphic Section of Western Part of Southern Region

Appendix J – Hydrogeological Map in 1:25 000 Scale

Appendix K – Geological Map in 1:2000 Scale and Profiles

Appendix L – Results of Instrumental Study of Microearthquakes

Table L-1 - MICROSEISMIC DATA Three Previous Campaigns (1977-1978, The List Of All 1984-1985, 1986 Seismic Events Recorded During The -1988)

DATE	ORIGTIME	LAT	LONG	DEPTH	MAG
06.09.1977	09:46:56	36.17	33.66	2	1.4
17.09.1977	06:03:36	36.02	34.07	10	2.6
06.10.1977	10:41:56	36.35	33.8	2	1.6
23.04.1978	02:45:36	35.9	33.4	5	2.5
25.05.1978	19:57:05	36.53	34.03	25	2.2
01.06.1978	23:25:17	35.96	34.09	1	2.4
10.06.1978	16:05:47	36.4	34	13	1.6
12.06.1978	13:56:18	36.15	33.55	6	0.6
29.06.1978	12:08:47	36.62	34.2	10	2.6
14.08.1978	07:17:00	35.86	34.15	0	2.5
08.04.1985	10:18:03	36.69	34.17	20	1.9
15.04.1985	08:23:27	36.24	34.18	5	2.2
15.04.1985	11:39:18	36.65	34.31	15	2.2
16.04.1985	18:02:25	36.55	33.6	5	1.4
16.04.1985	20:59:19	36.39	34.35	15	2.9
14.05.1985	13:49:30	36.52	33.56	12.4	2.5
14.05.1985	22:44:14	36.83	33.41	1.7	2.3
16.05.1985	03:10:18	36.15	33.63	11.1	1.1
18.05.1985	10:31:51	36.62	33.86	0	1.9
21.05.1985	15:45:26	36.24	33.19	20	2.5
30.05.1985	09:37:34	36.1	33.56	9.8	1.5
02.06.1985	15:06:03	36.06	33.37	10	2.9
04.06.1985	08:19:22	36.37	33.06	15.4	2.5
10.06.1985	07:24:30	36.54	33.18	19.4	2
15.06.1985	22:04:13	36.33	33.92	0	1.9
16.06.1985	12:31:53	36.39	34.27	10	2.2
28.06.1985	02:56:20	36.1	33.76	0.4	2.7
01.07.1985	15:08:51	36.42	33.3	0	3.1
05.07.1985	05:48:14	36.24	33.92	0	3.3
05.07.1985	20:37:29	36.53	33.3	7.2	2
06.07.1985	07:14:36	36.32	33.89	0.4	1.7
08.07.1985	12:17:50	36.15	33.56	0.1	2.4
10.07.1985	02:49:09	36.44	33.15	0	1.7
13.07.1985	15:25:44	35.77	33.32	5.8	3.1
15.07.1985	15:35:17	36.14	33.58	1.4	2.9
16.07.1985	09:16:10	36.06	33.69	0.9	2
28.07.1985	01:21:21	36.77	34.12	1.8	2.9
28.07.1985	06:22:56	36.69	34.16	8.6	2.2
31.07.1985	22:39:40	36.37	33.91	0.1	2.4

DATE	ORIGTIME	LAT	LONG	DEPTH	MAG
02.08.1985	08:06:01	36.39	33.8	10	1.8
05.08.1985	23:59:20	36.79	33.93	0.4	3.1
08.08.1985	06:32:31	36.62	33.37	5	2.6
11.08.1985	16:49:40	36.24	34	6.3	2.8
13.08.1985	10:21:41	36.15	33.55	2.2	2.3
21.08.1985	10:01:31	36.2	33.59	15.9	2
23.08.1985	11:48:00	36.33	33.88	0.2	2.5
09.09.1985	06:24:14	36.18	34.03	0.3	2.4
11.09.1985	08:01:32	36.37	33.92	0.7	3.3
11.09.1985	12:26:14	36.39	33.95	0.7	1.7
11.09.1985	16:56:52	36.42	33.92	0.2	1.9
12.09.1985	04:33:49	36.41	33.92	0.7	3.2
27.09.1985	01:19:07	36.68	34.11	19.5	1.9
03.10.1985	09:49:17	36.28	33.92	5	2
06.10.1985	18:02:33	36.23	33.92	10	2.9
09.10.1985	10:40:03	36.5	33.87	15	1.6
09.10.1985	15:58:55	36.77	33.34	0.2	
11.10.1985	11:40:36	35.67	33.88	5	2.5
12.10.1985	02:41:31	36.43	33.96	0.1	2.2
14.10.1985	23:58:44	36.42	33.92	0	2.3
23.10.1985	18:55:55	35.67	33.31	5	2.7
24.10.1985	21:53:41	36.51	33.89	9.9	2.1
26.10.1985	17:38:42	36.42	33.85	0	2.5
28.10.1985	15:18:53	36.75	33.32	0	2.7
30.10.1985	01:35:07	35.6	33.52	0.2	3.4
30.10.1985	11:25:56	36.15	33.52	0	2.1
05.11.1985	10:38:32	36.19	33.56	6	1.6
06.11.1985	10:43:10	36.21	33.5	16.1	1.8
08.11.1985	05:53:59	36.35	33.9	20	1.4
23.11.1985	22:59:39	36.5	33.01	0	3.1
05.12.1985	10:51:50	36.37	33.19	5	2.9
13.12.1985	19:32:00	36.34	33.91	0	2.3
14.12.1985	05:44:49	35.74	33.78	10	2.9
20.12.1985	22:08:28	36.34	33.92	1.1	2.7
27.12.1985	13:41:03	36.35	33.15	5	2.6
30.12.1985	13:48:16	36.35	33.89	8.2	2.2
31.12.1985	06:32:06	36.34	33.89	10	2.5
05.01.1986	14:02:22	36.14	33.64	1.7	1.8
09.01.1986	05:29:34	36.33	33.79	30.5	1.8
12.01.1986	13:17:58	36.15	33.59	11.1	1.4
15.01.1986	14:08:39	36.12	33.64	1.2	2.3

DATE	ORIGTIME	LAT	LONG	DEPTH	MAG
16.01.1986	00:40:33	36.24	34.05	11.3	2.3
01.02.1986	06:07:06	36.68	34.15	15	3.2
05.02.1986	01:35:44	36.72	34.1	5.5	1.7
05.02.1986	13:07:56	36.12	33.53	2.3	2.1
06.02.1986	15:05:32	36.06	33.55	0.5	2
13.02.1986	09:28:13	36.55	33.28	4.8	2.5
21.02.1986	10:58:12	36.09	33.44	0	2.9
02.03.1986	06:20:26	36.3	33.95	2.7	2.2
11.03.1986	11:59:23	36.37	33.92	16.6	1.9
11.03.1986	13:03:04	36.39	34.24	0	2.4
16.03.1986	08:31:51	36.28	33.61	21.4	1.5
16.03.1986	19:36:35	36.85	33.32	10	2.1
21.03.1986	13:04:54	36.86	33.61	0	2.3
21.04.1986	07:17:03	36.31	33.93	5	2.8
13.05.1986	22:57:56	36.15	34.29	29.2	3.3
10.12.1986	15:34:48	35.74	33.82	0.1	2.7
14.01.1987	01:53:03	36.26	34.02	0.9	2
16.01.1987	15:15:31	36.39	33.07	32.7	2
19.01.1987	01:01:40	36.32	34.09	8.1	1.5
24.01.1987	00:43:19	36.39	33.9	6.3	2.9
25.02.1987	08:30:18	36.46	33.56	12.5	2.1
03.03.1987	04:18:32	36.64	33.41	3	2.4
11.03.1987	15:11:33	36.14	33.51	5	1.6
20.03.1987	01:41:39	36.42	33.37	4.9	1.8
03.04.1987	21:19:40	36.35	33.9	6.4	1.4
08.04.1987	15:21:08	36.65	33.53	8.1	2.6
11.04.1987	11:37:43	36.14	33.63	14.3	2
03.05.1987	13:37:17	36.37	33.88	5.1	1.6
03.05.1987	18:18:57	36.54	33.33	15.7	2
03.05.1987	18:39:19	36.52	33.36	8.5	2.3
03.05.1987	19:05:42	36.52	33.3	8.9	2.2
04.05.1987	01:04:04	36.45	33.38	1.9	2.6
04.05.1987	14:23:10	36.64	33.76	11	2.7
09.05.1987	16:00:53	36.09	33.73	14.1	2.3
16.05.1987	14:22:48	36.37	34.18	3.6	2
21.05.1987	12:28:10	36.67	33.12	14.1	2.7
21.05.1987	12:29:23	36.05	33.62	3	2.5
26.05.1987	01:35:04	36	33.45	2.1	2.8
26.05.1987	04:43:14	35.98	33.47	7.9	2.3
05.06.1987	05:57:13	36.17	33.6	4.7	1.8
22.06.1987	08:58:31	36.11	33.49	4.1	1.8

DATE	ORIGTIME	LAT	LONG	DEPTH	MAG
24.06.1987	21:11:40	36.39	33.9	11.7	2.1
25.06.1987	22:09:20	36.38	33.96	15	2.4
19.07.1987	12:45:25	36.79	33.1	18.5	2.3
23.07.1987	16:28:19	35.8	33.91	3.8	3.4
04.08.1987	23:37:22	36.34	33.94	12.8	2.4
06.08.1987	19:54:27	36.5	33.81	13.8	2.6
11.08.1987	16:40:03	36.41	33.9	15.1	2.5
24.08.1987	10:05:15	36.13	33.55	4	2.6
24.08.1987	20:08:22	36.65	33.69	14.5	2.2
26.08.1987	07:38:11	36.61	33.75	12.3	2.3
07.09.1987	08:09:36	36.01	33.63	3.5	2.4
26.09.1987	05:25:47	36.14	33.56	15	2.5
12.11.1987	13:59:45	36.15	33.62	5.5	3
26.11.1987	20:36:39	36.29	33.23	20	2.3
04.12.1987	20:25:20	36.59	33.15	15.8	2.3

Table L-2 - List Of All Seismic Events From 1st July To 30th October, 2011. (GL: Gulnar Area; EA: East Of ANNP Site; WA: West Of ANNP Site; DS: Disributed Events; MS: Mediterranean Sea; SM: Silfke-Mersin; NA: North Of Anamur; NP: Proximity Of ANNP Site)

Date	Time	Lat	Lon	Depth	Mag	Area	No	Gap	Dmin	RMS	ERH	ERZ	Q
02.07.2011	08:40	36.20	33.73	10.5	1.3	EA	6	351	14.2	0.01	0.5	***	Dl
03.07.2011	08:54	36.21	33.70	13.4	1.4	EA	8	192	12.5	0.05	2.3	0.08	Cl
03.07.2011	08:57	36.18	33.71	15.9	1.5	EA	6	356	4.3	0.1	***	***	Dl
07.07.2011	08:57	36.18	33.68	14.0	1.7	EA	13	186	4.0	0.13	1.4	0.1	Cl
07.07.2011	12:12	36.12	33.59	1.4	0.7	NP	5	358	1.5	0.11	19.1	2.1	Dl
07.07.2011	12:11	36.11	33.58	2.7	0.6	NP	8	149	4.2	0.24	2.7	0.6	Cl
08.07.2011	13:38	36.28	33.49	13.5	2.4	DS	9	245	15.3	0.15	1.9	2.7	Cl
08.07.2011	13:50	36.18	33.67	13.0	1.6	EA	9	196	3.8	0.07	1.1	0.1	Cl
09.07.2011	13:08	36.13	33.58	2.3	0.6	NP	5	357	1.7	0.01	0.1	0.3	Cl
09.07.2011	12:30	36.11	33.59	3.0	0.8	NP	8	237	2.7	0.15	1.5	0.4	Cl
10.07.2011	07:58	36.25	33.46	3.7	1.7	DS	6	266	13.4	0.15	2.1	0.7	Cl
11.07.2011	15:38	36.11	33.58	2.6	0.5	NP	5	316	1.3	0.02	3.2	4.9	Dl
12.07.2011	15:01	36.33	33.50	5.0	1.6	GL	10	197	12.5	0.1	0.6	1.1	Cl
12.07.2011	13:29	36.34	33.56	8.7	2.0	GL	17	94.0	13.4	0.17	0.5	1.9	Bl
13.07.2011	08:41	36.23	33.63	4.9	2.1	DS	8	149	4.2	0.24	2.7	0.6	Cl
13.07.2011	13:29	36.15	33.55	4.4	1.9	NP	16	104	1.2	0.16	0.7	0.1	Bl
14.07.2011	11:16	36.18	33.46	10.9	1.7	DS	13	175	2.3	0.23	1.3	0.3	Cl
14.07.2011	13:45	36.10	33.38	4.8	1.5	MS	6	260	16.2	0.13	0.4	0.1	Cl
14.07.2011	05:57	35.90	33.51	13.4	2.0	MS	14	286	26.3	0.09	1.1	2.3	Cl
15.07.2011	23:04	35.82	33.59	27.9	1.7	MS	12	301	35.2	0.31	3.2	0.5	Dl
16.07.2011	12:55	36.20	33.52	4.3	1.5	DS	17	87	5	0.27	0.9	0.2	Bl
18.07.2011	04:06	36.14	33.18	3.4	1.9	DS	13	187	5.5	0.34	4.2	1.3	Dl
18.07.2011	13:35	36.33	33.52	9.1	2.1	GL	9	89	13.7	0.29	1.5	4.6	Bl
19.07.2011	02:09	35.86	33.56	29.3	2.1	MS	10	309	32.4	0.13	1.3	0.1	Cl
20.07.2011	14:41	36.34	33.50	3.7	1.8	GL	12	105	12.0	0.15	0.8	0.1	Cl
20.07.2011	14:03	36.33	33.49	5.0	2.0	GL	5	267	7.8	0.06	1.7	0.2	Cl
21.07.2011	08:19	36.55	33.54	5.0	2.2	DS	6	246	35.5	0.38	1.8	0.5	Dl
22.07.2011	09:17	36.33	33.55	1.5	2.3	GL	13	85	15.6	0.34	1.1	0.3	Cl
22.07.2011	15:18	36.12	33.54	6.4	1.8	NP	18	129	1.8	0.18	0.9	0.5	Bl
23.07.2011	12:59	36.17	33.61	5.3	1.4	DS	13	186	4.0	0.13	1.4	0.1	Cl
23.07.2011	08:46	36.34	33.56	4.8	1.9	GL	6	252	3.8	0.34	7.9	0.3	Dl
26.07.2011	15:08	36.36	33.43	2.3	1.8	GL	5	182	12.4	0.21	7.8	1.6	Dl
26.07.2011	13:58	36.35	33.51	9.0	2.1	GL	6	280	15.2	0.23	4.2	0.7	Dl
26.07.2011	11:17	36.16	33.52	5.4	1.8	NP	12	105	12.0	0.15	0.8	0.1	Cl
26.07.2011	12:22	36.15	33.38	4.2	1.5	WA	13	175	2.3	0.23	1.3	0.3	Cl
27.07.2011	11:36	36.35	33.53	12.8	2.0	GL	9	97	12.4	0.23	1.5	2.6	Bl
28.07.2011	12:03	36.33	33.55	5.0	2.0	GL	6	133	5.2	0.21	2.2	0.6	Bl
29.07.2011	09:02	36.32	33.51	5.0	1.9	GL	7	116	14.2	0.34	1.8	0.7	Cl
30.07.2011	13:13	36.19	33.53	4.1	1.8	DS	21	87	12.4	0.38	0.8	0.3	Cl
02.08.2011	12:42	36.19	32.61	5.0	1.5	DS	12	285	18.8	0.4	5	4.5	Dl
02.08.2011	12:24	36.34	33.57	4.3	1.9	GL	13	201	14.9	0.22	1.1	1.8	Cl
02.08.2011	08:15	36.18	33.41	5.0	1.7	WA	20	87	11.6	0.33	1.0	2.6	Cl
03.08.2011	11:14	36.34	33.52	3.5	2.2	GL	17	88	13.1	0.15	0.4	0.1	Cl
04.08.2011	00:40	36.50	33.62	13.8	2.1	DS	9	224	9.3	0.3	3.4	3.4	Dl
05.08.2011	13:09	36.34	33.57	4.8	2.2	GL	6	251	3.9	0.06	0.9	3.1	Dl
05.08.2011	00:34	35.88	33.43	5.0	2.0	MS	10	286	32.9	0.15	2.9	0.6	Dl
06.08.2011	13:26	36.31	33.54	16.6	2.0	GL	23	78	10.3	0.2	0.7	1	Bl

Date	Time	Lat	Lon	Depth	Mag	Area	No	Gap	Dmin	RMS	ERH	ERZ	Q
07.08.2011	07:37	36.43	33.88	14.4	1.3	SM	17	85	12	0.14	0.4	0.1	Bl
08.08.2011	15:53	36.34	33.52	5.0	2.3	GL	7	78	13.8	0.24	1.5	0.7	Cl
09.08.2011	12:02	36.34	33.50	14.4	1.8	GL	17	83	11.9	0.1	0.3	0.6	Al
09.08.2011	10:23	36.09	33.34	5.5	1.5	MS	7	179	19	0.37	4.8	***	Cl
10.08.2011	20:46	36.48	33.28	28.6	2.0	DS	9	115	6.8	0.18	1.5	0.3	Bl
10.08.2011	11:58	36.35	33.51	10.5	2.2	GL	20	91	11.4	0.2	0.3	0.8	Bl
12.08.2011	11:34	36.32	33.57	4.7	2.3	GL	12	96	13.9	0.31	1.2	0.6	Cl
14.08.2011	01:15	36.49	33.26	2.0	2.2	DS	10	184	18.7	0.25	2	0.3	Cl
14.08.2011	10:24	36.31	33.50	3.7	2.3	GL	18	81	14.0	0.25	0.7	0.2	Cl
14.08.2011	15:10	36.33	33.55	18.8	2.2	GL	11	133	12.3	0.31	1.7	0.5	Cl
15.08.2011	14:21	36.34	33.54	7.5	2.4	GL	9	106	17.3	0.13	1	7.4	Cl
16.08.2011	12:42	36.31	33.54	2.0	2.3	GL	12	99	13.8	0.56	2.8	0.8	Dl
17.08.2011	06:09	36.00	33.39	5.1	1.6	MS	11	257	20.8	0.17	3.9	0.7	Dl
18.08.2011	13:04	36.33	33.52	3.8	2.3	GL	14	77	14.1	0.4	1.1	0.4	Cl
22.08.2011	13:36	36.31	33.53	2.6	2.5	GL	11	75	12.7	0.21	0.8	0.2	Cl
24.08.2011	12:35	36.21	33.71	11.0	1.9	EA	7	261	6.6	0.07	0.8	0.1	Cl
25.08.2011	11:59	36.31	33.50	2.3	2.4	GL	11	113	14.6	0.09	0.4	0.1	Bl
26.08.2011	13:05	36.31	33.52	5.2	1.7	GL	13	75	12.5	0.08	0.4	0.2	Bl
04.09.2011	12:24	36.45	33.39	16.9	2.0	DS	14	178	2.2	0.15	0.8	0.1	Cl
04.09.2011	14:22	36.36	33.55	12.0	2.0	GL	10	134	13.2	0.32	2.1	3.6	Cl
08.09.2011	13:59	36.33	33.51	6.2	1.9	GL	9	88	11.6	0.18	1	10.8	Cl
09.09.2011	09:21	36.19	33.69	0.1	1.8	EA	10	177	2.9	0.29	1.4	0.5	Cl
09.09.2011	09:19	36.19	33.69	3.0	1.7	EA	18	99	3.8	0.19	0.5	0.1	Bl
12.09.2011	08:47	36.20	33.66	1.2	1.9	EA	14	96	13.8	0.18	0.7	0.2	Cl
12.09.2011	08:48	36.18	33.72	1.3	1.7	EA	6	91	8.9	0.33	3.8	1.2	Cl
13.09.2011	13:45	36.20	33.49	3.7	1.9	DS	6	133	5.2	0.21	2.2	0.6	Bl
14.09.2011	12:29	36.32	33.51	1.0	2.2	GL	10	172	12.2	0.15	0.9	1.3	Cl
14.09.2011	09:20	36.45	34.25	3.9	2.5	MS	14	215	28.1	0.2	2	0.3	Cl
14.09.2011	21:57	36.36	34.02	18.5	2.3	SM	6	274	6.6	0.11	4.7	0.3	Dl
15.09.2011	13:28	36.38	33.48	1.7	2.3	DS	9	97	7.6	0.17	0.8	0.2	Dl
15.09.2011	13:09	36.19	33.67	2.2	1.6	EA	8	238	2.8	0.2	3.4	0.2	Dl
15.09.2011	12:38	36.06	33.25	14.5	1.8	MS	9	97	7.6	0.17	0.8	0.2	Bl
15.09.2011	11:32	36.10	32.77	2.5	2.1	NA	10	330	18.8	0.3	3.7	0.3	Dl
17.09.2011	14:24	36.35	33.51	2.4	2.1	GL	5	229	12.1	0.06	2.3	1.6	Cl
17.09.2011	11:14	36.16	33.54	3.2	2.2	NP	11	105	0.9	0.1	0.5	0.1	Bl
18.09.2011	13:59	36.37	33.56	11.3	1.8	GL	8	238	2.8	0.2	3.4	0.2	Dl
19.09.2011	13:03	36.32	33.52	0.1	2.2	GL	10	134	13.2	0.32	2.1	3.6	Cl
20.09.2011	12:13	36.36	33.58	12.2	2.4	GL	11	89	3.1	1.01	4.8	1	Cl
20.09.2011	07:57	36.10	33.31	0.2	2.0	MS	6	289	18.8	0.33	0.4	0	Dl
21.09.2011	06:05	36.32	33.51	1.3	2.0	GL	7	78	13.8	0.24	1.5	0.7	Cl
21.09.2011	19:32	36.40	33.94	5.2	2.6	SM	9	130	0.8	0.24	2.2	0.3	Bl
22.09.2011	08:33	36.21	33.68	3.0	1.6	EA	6	252	3.8	0.34	7.9	0.3	Dl
22.09.2011	11:33	36.16	33.54	5.1	1.9	NP	13	85	15.6	0.34	1.1	0.3	Cl
23.09.2011	13:15	36.34	33.49	12.3	2.1	GL	8	87	14.3	0.17	0.9	0.3	Cl
24.09.2011	09:17	36.19	33.68	0.0	1.6	EA	6	251	3.9	0.06	0.9	***	Dl
24.09.2011	10:56	36.33	33.54	2.4	2.0	GL	8	87	14.3	0.17	0.9	0.3	Cl
25.09.2011	13:20	36.22	32.87	22.9	1.7	DS	6	313	23.6	0.19	5.9	6	Dl
25.09.2011	12:10	36.33	33.55	0.6	2.0	GL	6	280	15.2	0.23	4.2	0.7	Dl
26.09.2011	12:10	36.41	33.57	10.3	2.2	DS	5	229	12.1	0.06	2.3	1.6	Cl
26.09.2011	12:11	36.36	33.54	2.6	2.2	GL	5	182	12.4	0.21	7.8	1.6	Dl
26.09.2011	11:03	36.10	33.40	3.8	1.6	MS	11	217	10.4	1.37	13.2	1.8	Dl

Date	Time	Lat	Lon	Depth	Mag	Area	No	Gap	Dmin	RMS	ERH	ERZ	Q
27.09.2011	13:44	36.20	33.53	3.4	1.8	DS	8	190	7.1	0.12	5.5	3.2	Dl
27.09.2011	01:38	36.91	33.96	9.5	2.7	DS	16	85	50.4	0.27	1.4	0.4	Cl
27.09.2011	08:53	36.19	33.70	2.4	1.7	EA	17	88	13.1	0.15	0.4	0.1	Cl
27.09.2011	11:27	36.33	33.54	2.1	2.2	GL	8	238	2.8	0.2	3.4	0.2	Dl
28.09.2011	10:56	36.09	32.80	2.9	2.2	NA	8	330	16.3	0.19	3	0.3	Dl
29.09.2011	12:50	36.33	33.53	3.0	2.4	GL	9	97	7.6	0.17	0.8	0.2	Bl
02.10.2011	09:14	36.19	33.78	19.5	1.5	MS	12	216	10.5	0.21	2.6	1.3	Dl
03.10.2011	13:47	36.33	33.54	3.6	2.4	GL	10	177	2.9	0.29	1.4	0.5	Cl
04.10.2011	10:42	36.14	33.39	4.1	1.7	WA	14	178	2.2	0.15	0.8	0.1	Cl
06.10.2011	17:00	36.33	33.5	1.4	2.0	GL	10	78	13.2	0.1	0.3	0.2	Bl
07.10.2011	12:57	36.35	33.55	9.1	1.9	GL	13	96	13.7	0.17	0.6	2.1	Bl
08.10.2011	08:24	36.33	33.54	2.2	1.9	GL	11	84	15.5	0.24	0.9	0.4	Cl
09.10.2011	06:05	36.33	33.53	9.9	2.0	GL	6	86	14.9	0.16	1.3	0.4	Cl
10.10.2011	11:12	36.33	33.55	5.6	1.8	GL	8	90	14.8	0.15	0.8	1.3	Cl
13.10.2011	10:16	36.34	33.56	5.2	2.1	GL	10	94	14.9	0.07	0.3	0.1	Bl
13.10.2011	06:15	36.33	33.54	13.4	2.1	GL	9	87	14.2	0.16	0.9	1.7	Bl
14.10.2011	11:25	36.32	33.52	7.1	1.8	GL	7	137	18.6	0.31	3.2	2.1	Cl
14.10.2011	08:54	36.16	33.40	4.9	1.6	WA	13	75	12.9	0.27	0.7	0.2	Cl
15.10.2011	11:46	36.19	33.53	3.7	2.1	DS	9	97	12.4	0.23	1.5	2.6	Bl
15.10.2011	09:00	36.32	33.54	2.4	2.1	GL	6	233	16.8	0.34	3.5	0.4	Dl
15.10.2011	12:25	36.33	33.56	7.6	1.6	GL	10	89	15.4	0.13	0.6	2.8	Cl
16.10.2011	08:29	36.17	33.7	3.5	2.1	EA	19	83	4	0.21	0.6	0.2	Bl
16.10.2011	09:05	36.29	33.57	19.0	2.0	GL	5	146	12.1	0.09	2.7	2.2	Dl
17.10.2011	12:03	36.29	33.56	14.0	1.7	GL	12	147	13	0.28	2.4	2.8	Cl
20.10.2011	11:27	36.33	33.52	10.1	2.2	GL	19	83	12.6	0.22	0.7	1.3	Bl
22.10.2011	13:08	36.32	33.50	7.1	1.7	GL	9	251	4.6	0.07	0.7	0.1	Cl
23.10.2011	08:05	36.34	33.54	3.3	2.0	GL	10	90	12	0.39	1.2	0.4	Cl
23.10.2011	08:40	36.3	33.59	18.3	1.8	GL	6	201	11.3	0.04	0.9	0.8	Cl
24.10.2011	11:03	36.43	33.61	11.5	1.9	DS	7	190	8.9	0.34	3.2	3	Dl
24.10.2011	12:00	36.33	33.54	0.1	1.3	GL	9	212	1.8	0.31	4.8	0.4	Dl
24.10.2011	13:44	36.31	33.56	22.5	1.6	GL	19	83	12.6	0.22	0.7	1.3	Bl
25.10.2011	13:14	36.35	33.62	10.2	2.1	DS	4	314	22.6	0.09	0	0	Cl
25.10.2011	08:58	36.28	33.58	45.3	1.4	DS	10	174	3.4	0.01	2	2	Cl
26.10.2011	11:36	36.33	33.58	26.0	1.7	GL	6	130	14.2	0.08	1.1	1.1	Bl
28.10.2011	08:35	36.18	33.38	1.9	1.9	WA	11	124	3.6	0.26	1.4	0.3	Bl
29.10.2011	09:29	36.32	33.58	3.6	1.9	GL	7	127	13.6	0.36	2.2	0.5	Cl
31.10.2011	14:22	36.19	33.64	1.7	1.4	EA	8	197	0.7	0.33	4.6	0.7	Dl

Appendix M – Catalogues of Historical Earthquakes

Historical-catalogue_IPE

Latitude, degree	Longitude, degree	Magnitude, Mw	Item in ENVY catalogue	Year	Month	Day
34,760	32,410	6,31	2	-1500		
36,000	36,000	4,90	10	-396		
35,410	36,390	6,30	11	-330		
35,000	33,000	7,25	14	-222		
36,000	36,000	6,78	16	-185		
35,000	33,000	6,31	17	-180		
36,000	36,000	5,37	18	148	2	21
36,000	36,000	6,31	25	-37		
35,000	33,000	5,84	27	-26		
34,760	32,410	6,78	29	-15		
34,730	32,700	5,84	30	1		
34,000	35,000	5,84	32	19		
35,000	33,000	5,84	34	37	4	9
36,000	36,000	5,84	35	43		
35,000	33,000	7,25	39	76		
35,000	33,000	7,25	40	77		
36,000	36,000	5,84	41	79		
36,580	33,920	7,20	43	97		
36,000	36,000	7,25	45	115	12	13
36,000	36,000	5,84	46	130		
36,000	36,000	6,31	48	220		
37,030	35,810	6,31	52	290	5	14
35,460	34,150	7,00	54	300		
35,180	33,900	7,25	55	306		
35,180	33,900	6,31	57	332		
36,000	36,000	7,25	58	334		
36,000	36,000	5,84	60	341		
35,180	33,900	7,25	61	342		
35,000	33,000	6,31	62	343		
35,510	33,880	5,84	63	347	9	
36,000	36,000	5,84	64	349		
34,760	32,410	7,25	66	370		
34,760	32,410	6,31	67	375		
36,000	36,000	5,37	68	388		
34,760	32,410	6,31	69	394		
36,000	36,000	5,37	70	395		
36,250	36,100	6,78	74	458	9	14
36,250	36,100	6,78	79	506	10	9
36,900	30,680	5,37	80	518		
37,030	35,810	5,37	81	524		
36,250	36,100	7,25	83	526	5	29
36,000	36,000	5,37	84	527		
36,000	36,000	6,78	85	528	11	29
36,900	30,680	5,84	86	528		
36,000	36,000	6,78	88	529		
36,000	36,000	5,37	91	553		
36,000	36,000	6,78	92	554		
36,000	36,000	4,90	93	557		
37,033	35,810	7,25	94	561		

Latitude, degree	Longitude, degree	Magnitude, Mw	Item in ENVY catalogue	Year	Month	Day
37,000	35,320	7,25	96	570		
36,000	36,000	5,84	97	579		
36,000	36,000	6,78	98	580		
36,250	36,100	6,78	99	588	10	31
36,000	36,000	5,37	102	639		
36,000	36,000	6,78	106	713	2	28
36,000	36,000	5,84	108	716		
37,030	35,810	5,84	119	803	6	23
36,000	36,000	7,25	121	835		
36,000	36,000	6,78	125	860	1	
36,250	36,100	6,78	126	867		
36,000	36,000	6,78	134	969	7	1
36,000	36,000	6,31	145	1053		
36,000	36,000	6,31	149	1072		
36,000	36,000	5,37	152	1091	9	26
36,000	36,000	6,78	153	1092		
36,500	35,500	6,78	158	1114	11	13
36,000	36,000	6,78	159	1114	11	29
34,730	32,700	5,84	167	1144	5	19
36,000	36,000	6,31	174	1179		
34,760	32,410	6,78	176	1183		
37,860	32,480	6,31	177	1190		
36,000	36,000	6,31	178	1190		
36,000	36,000	5,37	184	1212	6	22
35,000	32,000	6,78	185	1222	5	
35,160	33,360	6,31	193	1267		
37,750	35,800	6,78	194	1268		
35,510	35,780	6,31	199	1287		
35,000	33,000	7,25	204	1304		
36,000	36,000	6,78	205	1319		
35,330	33,000	6,78	225	1491	4	24
35,000	33,000	5,84	226	1514		
35,000	33,000	5,84	227	1546		
34,730	32,700	5,84	232	1567	4	25
35,000	33,000	4,90	234	1569		
35,180	33,900	6,31	237	1577		
34,660	33,030	6,31	239	1583		
37,860	32,480	6,31	259	1706	12	26
35,000	33,000	7,25	262	1718		
35,000	33,000	6,31	266	1735		
36,000	36,000	5,84	267	1373		
35,000	33,000	5,37	270	1741		
36,900	30,680	5,37	274	1756	2	13
35,000	33,000	4,90	275	1756	7	17
36,000	36,000	6,78	276	1759		
36,900	30,680	5,84	280	1759		
35,510	35,780	6,78	296	1796	4	26
35,000	33,000	4,90	298	1810		
35,000	33,000	5,37	300	1820		
36,000	36,000	6,78	302	1822		

Latitude, degree	Longitude, degree	Magnitude, Mw	Item in ENVY catalogue	Year	Month	Day
35,000	33,000	4,43	308	1838		
35,000	33,000	4,43	312	1845		
36,580	36,160	5,37	316	1847		
36,900	30,680	5,37	317	1849		
36,000	36,000	5,37	322	1854		
37,060	35,750	5,37	323	1855	1	16
35,000	33,000	5,84	326	1856		
36,900	30,680	4,90	327	1858		
37,860	32,480	5,37	334	1866	10	6
37,860	32,480	5,37	339	1871		
36,200	36,200	7,25	341	1872	4	3
36,080	35,980	5,37	345	1873		
36,000	36,000	5,84	350	1875		
35,000	33,000	4,43	354	1879		
36,861	32,459	6,20	355	1882	2	28
35,000	33,000	5,37	356	1883	3	5
36,360	33,930	6,00	357	1884	9	21
36,360	33,930	4,90	358	1891	10	2
37,354	34,373	5,20	359	1891	11	3
35,000	33,000	4,43	363	1887		
37,860	32,480	5,37	366	1888	9	5
36,800	34,630	5,37	369	1891	10	29
36,000	36,000	4,90	370	1894		
36,300	33,420	5,40	371	1895	11	23
37,000	35,300	5,37	372	1896	1	
35,000	33,000	5,37	374	1896	2	4
35,000	33,000	6,31	378	1896	6	29

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
-600	0	0	0	0	0,00	38,60	22,60	33,0	6,7	UOA
-600	0	0	0	0	0,00	35,00	45,00	12,0	6,5	TAN
-550	0	0	0	0	0,00	37,20	22,30	33,0	6,7	UOA
-550	0	0	0	0	0,00	39,70	44,40	15,0	6,7	TAN
-510	0	0	0	0	0,00	37,70	23,40	33,0	5,4	UOA
-480	0	0	0	0	0,00	38,50	22,70	33,0	6,7	UOA
-480	0	0	0	0	0,00	38,00	23,40	33,0	5,4	UOA
-480	0	0	0	0	0,00	40,30	23,60	33,0	6,7	UOA
-464	0	0	0	0	0,00	37,20	22,30	33,0	7,0	UOA
-426	0	0	0	0	0,00	38,90	22,90	33,0	7,1	UOA
-426	0	0	0	0	0,00	38,60	22,60	33,0	6,1	UOA
-424	0	0	0	0	0,00	38,20	24,00	33,0	5,4	UOA
-420	0	0	0	0	0,00	38,00	23,00	33,0	6,1	UOA
-420	0	0	0	0	0,00	38,20	24,00	33,0	5,4	UOA
-415	0	0	0	0	0,00	37,20	22,30	33,0	5,4	UOA
-412	0	0	0	0	0,00	37,20	22,30	33,0	5,4	UOA
-387	0	0	0	0	0,00	37,60	22,80	33,0	5,4	UOA
-373	0	0	0	0	0,00	38,30	22,30	33,0	7,3	UOA
-368	0	0	0	0	0,00	35,00	25,00	33,0	7,5	UOA
-354	0	0	0	0	0,00	38,50	22,70	33,0	5,4	UOA
-347	0	0	0	0	0,00	38,50	22,70	33,0	5,4	UOA
-342	0	0	0	0	0,00	40,40	26,60	14,0	6,2	TAN
-330	0	0	0	0	0,00	40,00	25,00	33,0	7,0	UOA
-303	0	0	0	0	0,00	38,00	22,70	33,0	6,5	UOA
-287	0	0	0	0	0,00	40,59	26,87	0,0	6,7	TAN
-282	0	0	0	0	0,00	40,60	26,60	14,0	6,2	TAN
-279	0	0	0	0	0,00	38,60	22,60	33,0	6,1	UOA
-267	0	0	0	0	0,00	35,00	25,00	33,0	6,7	UOA
-255	0	0	0	0	0,00	35,00	25,00	33,0	6,7	UOA
-227	0	0	0	0	0,00	38,00	22,90	33,0	7,2	UOA
-225	0	0	0	0	0,00	38,30	22,80	33,0	6,5	UOA
-165	0	0	0	0	0,00	37,70	21,80	33,0	6,1	UOA
-148	2	21	0	0	0,00	36,19	36,17	0,0	6,7	TAN
-88	0	0	0	0	0,00	38,08	30,16	0,0	6,7	TAN
-65	0	0	0	0	0,00	36,19	36,17	0,0	6,7	TAN
-27	0	0	0	0	0,00	37,84	29,09	0,0	6,7	TAN
17	0	0	0	0	0,00	38,62	27,40	0,0	7,1	TAN
23	0	0	0	0	0,00	38,30	22,30	33,0	6,5	UOA
23	0	0	0	0	0,00	37,13	29,49	0,0	6,3	TAN
29	11	24	0	0	0,00	40,42	29,72	0,0	6,7	TAN
30	0	0	0	0	0,00	40,50	29,50	15,0	6,6	TAN

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
33	0	0	0	0	0,00	40,77	29,90	15,0	6,0	TAN
37	3	23	0	0	0,00	36,13	36,16	0,0	6,3	TAN
47	0	0	0	0	0,00	36,13	36,16	0,0	6,3	TAN
47	0	0	0	0	0,00	38,45	27,18	0,0	6,3	TAN
52	0	0	0	0	0,00	41,00	24,30	33,0	6,5	UOA
53	0	0	0	0	0,00	38,08	30,16	0,0	6,3	TAN
55	0	0	0	0	0,00	35,00	25,00	33,0	7,5	UOA
57	0	0	0	0	0,00	41,30	19,50	33,0	6,6	UOA
60	0	0	0	0	0,00	37,80	29,10	22,0	6,8	TAN
62	0	0	0	0	0,00	38,30	21,80	33,0	6,6	UOA
69	0	0	0	0	0,00	40,60	29,90	15,0	6,0	TAN
75	0	0	0	0	0,00	38,81	41,34	15,0	6,5	TAN
76	0	0	0	0	0,00	35,00	34,00	20,0	6,9	TAN
77	0	0	0	0	0,00	38,00	23,00	33,0	6,7	UOA
92	0	0	0	0	0,00	40,50	26,60	25,0	6,6	TAN
97	0	0	0	0	0,00	37,24	35,90	0,0	6,3	TAN
105	0	0	0	0	0,00	38,79	26,93	0,0	6,7	TAN
106	0	0	0	0	0,00	38,60	23,50	33,0	6,1	UOA
110	0	0	0	0	0,00	36,00	25,00	33,0	6,1	UOA
115	12	13	0	0	0,00	36,19	36,17	0,0	6,7	TAN
117	11	10	0	0	0,00	40,40	28,00	14,0	6,2	TAN
121	0	0	0	0	0,00	40,60	29,90	15,0	6,0	TAN
139	0	0	0	0	0,00	39,60	44,10	15,0	6,2	TAN
170	5	3	0	0	0,00	40,30	28,70	15,0	6,6	TAN
178	0	0	0	0	0,00	38,45	27,18	0,0	6,7	TAN
241	0	0	0	0	0,00	37,72	28,68	0,0	6,3	TAN
242	0	0	0	0	0,00	37,30	36,50	45,0	7,6	TAN
330	0	0	0	0	0,00	35,00	34,00	14,0	6,4	TAN
334	0	0	0	0	0,00	41,40	19,50	33,0	6,7	UOA
337	0	0	0	0	0,00	35,00	33,00	20,0	7,1	TAN
343	0	0	0	0	0,00	40,61	36,93	0,0	6,7	TAN
345	0	0	0	0	0,00	40,60	36,90	15,0	6,0	TAN
358	8	24	0	0	0,00	40,77	29,90	15,0	6,0	TAN
362	12	2	0	0	0,00	40,42	29,72	0,0	6,3	TAN
363	2	1	0	0	0,00	41,00	29,00	15,0	6,0	TAN
365	7	21	0	0	0,00	35,00	23,00	33,0	8,2	UOA
368	10	11	0	0	0,00	40,42	29,72	0,0	6,7	TAN
374	0	0	0	0	0,00	35,00	23,00	33,0	6,7	UOA
407	4	1	0	0	0,00	41,00	29,00	0,0	6,0	TAN
417	0	0	0	0	0,00	37,13	29,49	0,0	6,7	TAN
427	0	0	0	0	0,00	41,00	29,00	15,0	6,0	TAN

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
437	9	25	0	0	0,00	41,00	29,00	0,0	5,4	TAN
440	10	26	0	0	0,00	41,00	29,00	15,0	6,0	TAN
448	9	6	0	0	0,00	35,00	25,00	33,0	6,7	UOA
458	9	14	0	0	0,00	36,19	36,17	0,0	6,3	TAN
460	0	0	0	0	0,00	40,39	27,80	15,0	6,0	TAN
461	0	0	0	0	0,00	39,17	42,58	15,0	6,1	TAN
464	0	0	0	0	0,00	40,40	27,80	16,0	7,4	TAN
478	9	25	0	0	0,00	40,90	28,80	16,0	7,1	TAN
488	0	0	0	0	0,00	40,77	29,90	15,0	6,0	TAN
494	0	0	0	0	0,00	37,84	29,09	0,0	6,7	TAN
499	0	0	0	0	0,00	38,10	38,60	15,0	7,0	TAN
521	0	0	0	0	0,00	38,00	23,00	33,0	6,7	UOA
521	0	0	0	0	0,00	37,00	36,50	40,0	7,5	TAN
528	0	0	0	0	0,00	40,65	35,85	15,0	6,0	TAN
528	11	29	0	0	0,00	36,25	36,10	0,0	6,7	TAN
529	7	0	0	0	0,00	40,65	35,83	0,0	6,3	TAN
530	0	0	0	0	0,00	36,23	29,98	0,0	6,3	TAN
542	8	16	0	0	0,00	41,00	29,00	0,0	6,3	TAN
543	9	6	0	0	0,00	40,41	27,89	0,0	6,7	TAN
546	4	8	0	0	0,00	41,00	29,00	0,0	6,3	TAN
550	0	0	0	0	0,00	40,90	28,50	25,0	7,3	TAN
551	7	7	0	0	0,00	38,60	22,60	33,0	7,1	UOA
554	8	16	0	0	0,00	41,00	29,00	15,0	6,0	TAN
557	11	14	0	0	0,00	41,00	29,00	15,0	6,0	TAN
557	12	14	0	0	0,00	40,90	28,80	14,0	6,2	TAN
570	0	0	0	0	0,00	36,19	36,17	0,0	6,7	TAN
602	4	0	0	0	0,00	38,68	41,59	15,0	6,1	TAN
611	0	0	0	0	0,00	41,00	29,00	15,0	6,0	TAN
667	0	0	0	0	0,00	40,90	23,30	33,0	6,1	UOA
678	0	0	0	0	0,00	38,20	39,50	20,0	7,7	TAN
679	4	3	0	0	0,00	36,97	38,44	0,0	6,7	TAN
732	0	0	0	0	0,00	41,00	29,00	15,0	6,0	TAN
740	10	26	0	0	0,00	41,00	28,80	25,0	7,3	TAN
742	0	0	0	0	0,00	42,40	44,90	18,0	6,4	TAN
790	2	9	0	0	0,00	41,00	29,00	0,0	5,4	TAN
796	4	7	0	0	0,00	35,00	25,00	33,0	7,1	UOA
800	0	0	0	0	0,00	35,70	38,70	12,0	6,4	TAN
802	0	0	0	0	0,00	39,70	39,50	15,0	6,5	TAN
815	0	0	0	0	0,00	41,00	28,50	25,0	7,7	TAN
824	0	0	0	0	0,00	40,96	27,48	0,0	6,3	TAN
847	0	0	0	0	0,00	35,50	43,50	16,0	7,3	TAN

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
847	11	24	0	0	0,00	36,00	36,16	0,0	6,7	TAN
862	5	28	0	0	0,00	41,00	29,00	0,0	6,3	TAN
867	1	9	0	0	0,00	40,80	29,30	14,0	6,2	TAN
869	1	9	0	0	0,00	41,00	29,00	0,0	6,3	TAN
893	12	27	0	0	0,00	40,00	44,60	8,0	6,4	TAN
896	3	0	0	0	0,00	40,60	22,50	33,0	6,3	UOA
896	9	4	0	0	0,00	41,70	22,90	33,0	6,5	UOA
906	4	0	0	0	0,00	39,70	45,00	14,0	6,6	TAN
913	0	0	0	0	0,00	36,00	25,00	33,0	5,6	UOA
968	12	22	0	0	0,00	39,60	20,00	33,0	6,1	UOA
975	10	26	0	0	0,00	41,00	26,00	15,0	6,0	TAN
986	11	0	0	0	0,00	36,30	43,30	14,0	6,6	TAN
989	10	26	0	0	0,00	40,77	29,95	0,0	6,3	TAN
995	12	0	0	0	0,00	39,00	40,00	15,0	7,0	TAN
1010	0	0	0	0	0,00	40,60	27,00	16,0	7,1	TAN
1010	0	0	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1010	1	0	0	0	0,00	41,03	28,95	0,0	5,3	TAN
1010	3	9	0	0	0,00	41,03	28,95	0,0	5,9	TAN
1011	0	0	0	0	0,00	39,70	39,50	15,0	6,5	TAN
1026	12	4	0	0	0,00	41,03	28,95	0,0	6,3	TAN
1031	8	13	0	0	0,00	41,04	28,98	15,0	6,0	TAN
1032	8	13	17	45	0,00	41,03	28,95	0,0	5,8	TAN
1034	0	0	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1036	12	18	10	30	0,00	41,03	28,95	0,0	5,3	TAN
1040	2	2	0	0	0,00	38,42	27,15	0,0	6,7	TAN
1045	0	0	0	0	0,00	39,73	39,50	0,0	7,7	TAN
1046	0	0	0	0	0,00	40,50	43,50	15,0	6,4	TAN
1046	7	8	0	0	0,00	39,00	40,00	30,0	7,9	TAN
1050	8	5	0	0	0,00	40,58	33,62	0,0	6,7	TAN
1058	11	0	0	0	0,00	35,80	43,60	25,0	7,2	TAN
1064	9	23	0	0	0,00	40,90	28,30	15,0	6,6	TAN
1065	9	0	0	0	0,00	40,45	29,72	0,0	6,7	TAN
1082	12	6	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1088	4	23	0	0	0,00	41,40	43,20	15,0	6,1	TAN
1090	12	6	10	0	0,00	41,03	28,95	0,0	6,5	TAN
1091	9	26	0	0	0,00	36,23	36,12	0,0	6,5	TAN
1097	12	30	0	0	0,00	36,23	36,12	0,0	6,1	TAN
1104	0	0	0	0	0,00	38,00	38,30	25,0	6,5	TAN
1111	0	0	0	0	0,00	38,50	43,40	15,0	6,6	TAN
1114	8	10	0	0	0,00	37,50	38,00	30,0	8,1	TAN
1114	11	13	0	0	0,00	37,40	37,67	0,0	6,3	TAN

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1115	11	29	0	0	0,00	37,28	36,27	0,0	6,3	TAN
1121	12	18	0	0	0,00	38,50	37,83	0,0	7,2	TAN
1132	11	28	0	0	0,00	40,50	43,50	16,0	6,1	TAN
1135	9	23	0	0	0,00	39,67	41,73	0,0	6,7	TAN
1136	0	0	0	0	0,00	36,00	43,50	20,0	7,0	TAN
1137	9	19	0	0	0,00	37,00	38,00	18,0	7,4	TAN
1143	11	26	0	0	0,00	40,18	29,07	0,0	6,1	TAN
1147	0	0	0	0	0,00	38,60	22,60	33,0	6,1	UOA
1151	0	0	0	0	0,00	40,60	43,10	10,0	5,1	TAN
1162	0	0	0	0	0,00	41,03	28,95	0,0	6,1	TAN
1163	8	0	0	0	0,00	36,23	36,12	0,0	7,0	TAN
1165	0	0	0	0	0,00	39,74	39,50	15,0	6,0	TAN
1168	0	0	0	0	0,00	39,70	39,50	10,0	6,2	TAN
1179	4	29	0	0	0,00	36,50	44,20	16,0	7,1	TAN
1197	7	0	0	0	0,00	41,03	28,95	0,0	5,8	TAN
1208	1	0	0	0	0,00	38,70	42,50	35,0	6,5	TAN
1213	6	22	0	0	0,00	37,25	32,33	0,0	7,2	TAN
1220	1	11	0	0	0,00	40,70	42,40	10,0	5,1	TAN
1227	0	0	0	0	0,00	35,80	44,40	35,0	7,6	TAN
1231	3	11	0	0	0,00	41,03	28,95	0,0	6,1	TAN
1237	9	16	0	0	0,00	41,03	28,95	0,0	5,8	TAN
1246	0	0	0	0	0,00	35,60	24,00	33,0	6,4	UOA
1254	4	28	0	0	0,00	40,20	38,30	15,0	7,2	TAN
1254	10	11	0	0	0,00	39,73	39,50	0,0	7,2	TAN
1265	8	0	0	0	0,00	40,63	27,62	0,0	6,7	TAN
1268	0	0	0	0	0,00	39,80	40,40	25,0	7,3	TAN
1268	9	10	0	0	0,00	37,30	35,50	12,0	6,3	TAN
1269	4	17	17	0	0,00	37,02	36,35	0,0	6,3	TAN
1273	3	0	0	0	0,00	41,30	19,70	33,0	6,5	UOA
1275	4	14	0	0	0,00	38,80	42,50	20,0	6,8	TAN
1275	6	27	0	0	0,00	38,00	42,00	20,0	6,9	TAN
1275	10	3	0	0	0,00	38,88	42,92	0,0	6,1	TAN
1280	7	12	0	0	0,00	40,98	29,15	0,0	5,3	TAN
1283	4	17	9	0	0,00	41,60	43,30	18,0	6,8	TAN
1287	5	16	0	0	0,00	39,73	39,50	0,0	6,7	TAN
1296	6	1	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1296	7	17	18	15	0,00	39,10	27,45	0,0	6,3	TAN
1303	1	15	0	0	0,00	41,03	28,95	0,0	4,7	TAN
1303	1	17	0	0	0,00	41,03	28,95	0,0	5,1	TAN
1308	0	0	0	0	0,00	39,74	39,50	15,0	6,0	TAN
1315	9	29	0	0	0,00	41,03	28,95	0,0	5,5	TAN

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1319	0	0	0	0	0,00	39,80	43,50	30,0	7,5	TAN
1319	0	0	0	0	0,00	39,10	44,50	15,0	6,2	TAN
1319	12	0	0	0	0,00	40,40	43,60	16,0	5,7	TAN
1327	5	12	19	45	0,00	40,20	28,43	0,0	5,9	TAN
1343	0	0	0	0	0,00	37,30	37,40	30,0	7,6	TAN
1343	10	14	0	0	0,00	41,03	28,95	0,0	6,3	TAN
1344	1	3	8	0	0,00	36,75	37,52	0,0	6,0	TAN
1344	10	0	0	0	0,00	40,90	28,00	16,0	7,1	TAN
1344	11	6	8	0	0,00	40,68	27,40	0,0	6,0	TAN
1350	0	0	0	0	0,00	42,90	43,10	20,0	6,5	TAN
1354	3	1	0	0	0,00	40,40	26,50	16,0	7,3	TAN
1363	0	0	0	0	0,00	38,70	41,60	15,0	6,9	TAN
1366	6	1	0	0	0,00	40,30	24,30	33,0	6,5	UOA
1374	12	8	0	0	0,00	39,73	39,50	0,0	6,3	TAN
1400	1	0	0	0	0,00	40,18	29,97	0,0	6,5	TAN
1402	7	28	0	0	0,00	41,03	28,95	0,0	5,8	TAN
1407	4	9	0	0	0,00	36,23	36,12	0,0	6,5	TAN
1419	3	0	0	0	0,00	41,00	34,00	25,0	7,6	TAN
1419	3	15	0	0	0,00	40,18	29,07	0,0	6,3	TAN
1419	3	26	0	0	0,00	39,73	39,50	0,0	6,5	TAN
1430	0	0	0	0	0,00	36,00	25,00	33,0	6,1	UOA
1430	2	26	0	0	0,00	40,90	23,30	33,0	6,1	UOA
1437	9	4	0	0	0,00	41,03	28,95	0,0	5,3	TAN
1441	0	0	0	0	0,00	38,75	42,48	0,0	5,3	TAN
1454	0	0	0	0	0,00	41,03	28,95	0,0	4,9	TAN
1457	4	0	0	0	0,00	39,90	40,40	25,0	7,6	TAN
1459	0	0	0	0	0,00	37,30	23,60	33,0	5,6	UOA
1469	0	0	0	0	0,00	38,60	20,60	33,0	7,1	UOA
1481	3	0	0	0	0,00	39,90	40,40	17,0	7,8	TAN
1490	0	0	0	0	0,00	35,00	24,50	33,0	7,0	UOA
1491	4	25	0	0	0,00	35,20	33,20	15,0	6,0	TAN
1493	10	18	14	30	0,00	36,82	27,13	0,0	6,5	TAN
1503	0	0	0	0	0,00	37,40	43,80	28,0	7,4	TAN
1505	0	0	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1509	0	0	0	0	0,00	40,90	35,20	40,0	7,5	TAN
1509	9	10	22	0	0,00	40,90	28,70	0,0	7,2	TAN
1511	0	0	0	0	0,00	40,30	24,30	33,0	6,1	UOA
1513	0	0	0	0	0,00	37,50	36,50	14,0	7,5	TAN
1515	4	16	0	0	0,00	37,90	21,00	33,0	6,7	UOA
1543	0	0	0	0	0,00	39,74	39,50	15,0	6,0	TAN
1544	1	0	0	0	0,00	38,00	37,00	10,0	6,8	TAN

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1544	4	22	0	0	0,00	39,00	22,40	33,0	6,6	UOA
1547	0	0	0	0	0,00	35,00	25,00	33,0	6,1	UOA
1554	7	7	0	0	0,00	37,90	21,00	33,0	6,1	UOA
1556	5	10	24	0	0,00	40,30	27,80	0,0	7,2	TAN
1566	7	11	0	0	0,00	39,00	21,70	33,0	6,5	UOA
1572	4	12	0	0	0,00	40,30	24,30	33,0	6,6	UOA
1572	6	18	0	0	0,00	40,20	24,50	33,0	6,6	UOA
1573	0	0	0	0	0,00	35,40	45,00	20,0	6,9	TAN
1578	0	0	0	0	0,00	39,74	39,50	15,0	6,0	TAN
1580	0	0	0	0	0,00	38,60	22,60	33,0	6,7	UOA
1584	6	17	0	0	0,00	40,00	39,00	15,0	6,6	TAN
1585	6	0	0	0	0,00	40,30	24,30	33,0	6,6	UOA
1592	5	15	0	0	0,00	37,90	21,00	33,0	6,6	UOA
1598	0	0	0	0	0,00	40,60	35,40	18,0	6,2	TAN
1601	4	16	0	0	0,00	40,50	19,70	33,0	6,7	UOA
1605	0	0	0	0	0,00	40,40	43,60	22,0	6,2	TAN
1612	5	16	0	0	0,00	38,90	20,90	33,0	6,8	UOA
1613	10	2	0	0	0,00	38,90	20,90	33,0	6,8	UOA
1616	8	27	0	0	0,00	36,80	37,00	20,0	6,4	TAN
1622	5	5	0	0	0,00	37,60	21,00	33,0	6,6	UOA
1625	6	18	6	0	0,00	38,90	20,90	33,0	6,8	UOA
1629	2	27	0	0	0,00	36,00	25,00	33,0	7,0	UOA
1629	3	7	9	0	0,00	35,50	25,00	70,0	7,0	UOA
1630	7	22	4	0	0,00	38,60	20,60	33,0	6,9	UOA
1633	7	30	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1633	11	5	0	0	0,00	37,60	21,00	33,0	6,9	UOA
1636	9	20	0	0	0,00	38,00	20,60	33,0	7,2	UOA
1641	6	1	0	0	0,00	38,00	24,00	33,0	6,1	UOA
1646	4	0	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1648	3	31	0	0	0,00	38,30	43,50	13,0	6,8	TAN
1651	6	29	0	0	0,00	38,00	24,10	33,0	6,2	UOA
1655	1	0	0	0	0,00	35,00	25,00	33,0	6,7	UOA
1658	8	1	0	0	0,00	38,00	21,00	33,0	6,9	UOA
1660	0	0	0	0	0,00	38,00	21,00	33,0	6,7	UOA
1660	0	0	0	0	0,00	39,74	41,30	15,0	6,6	TAN
1660	3	0	0	0	0,00	38,60	22,60	33,0	6,5	UOA
1662	0	0	0	0	0,00	35,00	25,00	33,0	6,7	UOA
1664	0	0	0	0	0,00	37,90	21,00	33,0	6,7	UOA
1665	1	0	0	0	0,00	35,00	25,00	33,0	6,7	UOA
1666	0	13	9	0	0,00	39,70	39,50	10,0	7,5	TAN
1666	11	0	0	0	0,00	37,00	43,00	18,0	6,8	TAN

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1668	8	17	0	0	0,00	41,00	36,00	40,0	8,1	TAN
1670	8	1	0	0	0,00	38,00	42,00	20,0	6,5	TAN
1672	4	0	0	0	0,00	40,00	26,00	14,0	6,2	TAN
1672	5	25	0	0	0,00	41,00	30,00	14,0	6,2	TAN
1674	0	0	0	0	0,00	40,18	29,10	15,0	6,0	TAN
1674	1	1	0	0	0,00	39,50	20,00	33,0	6,5	UOA
1676	4	23	0	0	0,00	37,90	21,00	33,0	6,1	UOA
1685	11	22	23	0	0,00	39,00	41,00	24,0	6,8	TAN
1688	0	0	0	0	0,00	40,30	41,50	15,0	6,5	TAN
1693	0	0	0	0	0,00	36,50	41,90	15,0	6,7	TAN
1695	4	15	0	0	0,00	39,10	43,90	15,0	7,0	TAN
1696	4	14	0	0	0,00	39,10	43,90	10,0	7,1	TAN
1696	9	4	0	0	0,00	37,90	21,00	33,0	6,5	UOA
1701	3	19	0	0	0,00	40,30	19,90	33,0	6,6	UOA
1704	11	11	0	0	0,00	38,90	20,90	33,0	6,8	UOA
1705	1	27	0	0	0,00	38,70	41,70	13,0	6,8	TAN
1707	0	0	0	0	0,00	40,60	43,10	10,0	5,1	TAN
1707	6	6	0	0	0,00	37,90	21,00	33,0	6,1	UOA
1710	5	17	0	0	0,00	37,90	21,00	33,0	6,5	UOA
1714	0	0	0	0	0,00	38,72	35,50	15,0	6,0	TAN
1714	7	27	10	0	0,00	38,30	21,70	33,0	6,5	UOA
1714	8	28	0	0	0,00	38,00	20,60	33,0	6,6	UOA
1715	3	8	6	0	0,00	38,40	43,90	16,0	6,7	TAN
1717	0	0	0	0	0,00	35,00	25,00	33,0	6,1	UOA
1718	7	8	0	0	0,00	40,30	41,50	15,0	6,5	TAN
1718	12	10	0	0	0,00	35,20	33,20	13,0	6,2	TAN
1719	5	25	12	0	0,00	40,70	29,80	0,0	7,4	TAN
1722	5	22	0	0	0,00	38,60	20,60	33,0	6,1	UOA
1723	2	11	3	0	0,00	38,60	20,60	33,0	6,7	UOA
1729	6	28	0	0	0,00	37,90	21,00	33,0	6,1	UOA
1733	12	12	20	0	0,00	37,00	24,60	33,0	6,3	UOA
1735	9	1	6	0	0,00	39,60	21,60	33,0	6,2	UOA
1735	12	0	0	0	0,00	35,00	34,00	24,0	6,6	TAN
1736	0	0	0	0	0,00	38,00	20,60	33,0	6,1	UOA
1737	0	0	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1737	3	6	7	30	0,00	40,10	27,30	0,0	7,0	TAN
1738	7	20	0	0	0,00	36,90	24,60	33,0	6,5	UOA
1740	1	0	0	0	0,00	39,60	20,80	33,0	6,2	UOA
1741	6	23	0	0	0,00	38,60	20,60	33,0	6,7	UOA
1742	2	14	0	0	0,00	37,90	21,00	33,0	6,5	UOA
1743	2	20	0	0	0,00	39,00	20,30	33,0	6,9	UOA

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1745	6	0	0	0	0,00	39,60	20,00	33,0	6,1	UOA
1748	5	14	0	0	0,00	38,30	22,30	33,0	6,8	UOA
1750	5	12	0	0	0,00	36,00	23,00	33,0	7,0	UOA
1752	6	0	0	0	0,00	37,90	21,00	33,0	6,7	UOA
1754	0	0	0	0	0,00	39,75	37,00	15,0	6,0	TAN
1754	9	2	3	30	0,00	40,80	29,20	0,0	6,8	TAN
1758	5	0	0	0	0,00	39,00	23,30	33,0	6,3	UOA
1759	1	12	0	0	0,00	38,30	38,30	15,0	6,5	TAN
1759	6	2	10	0	0,00	38,00	20,60	33,0	6,5	UOA
1759	6	26	0	0	0,00	40,90	23,00	33,0	6,5	UOA
1763	9	3	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1765	3	9	0	0	0,00	40,30	24,30	33,0	6,6	UOA
1766	4	23	0	0	0,00	40,80	28,20	15,0	6,0	TAN
1766	5	22	5	0	0,00	40,80	29,00	0,0	7,1	TAN
1766	7	11	15	0	0,00	38,00	20,60	33,0	6,7	UOA
1766	8	5	5	30	0,00	40,50	26,60	0,0	7,4	TAN
1767	0	0	0	0	0,00	41,00	29,00	15,0	6,0	TAN
1767	7	11	4	0	0,00	38,30	20,30	33,0	7,2	UOA
1769	10	1	0	0	0,00	38,90	20,90	33,0	6,9	UOA
1772	5	12	0	0	0,00	39,60	20,00	33,0	6,7	UOA
1773	3	16	7	0	0,00	39,20	22,90	33,0	6,5	UOA
1773	5	23	0	0	0,00	39,50	20,00	33,0	6,5	UOA
1779	10	0	15	0	0,00	40,30	41,50	15,0	6,5	TAN
1781	0	0	0	0	0,00	36,50	43,00	14,0	6,7	TAN
1781	8	28	0	0	0,00	39,60	22,50	33,0	6,3	UOA
1783	1	13	0	0	0,00	39,70	44,30	12,0	5,2	TAN
1783	2	26	0	0	0,00	37,60	22,00	33,0	6,1	UOA
1783	3	23	5	0	0,00	38,60	20,60	33,0	7,0	UOA
1783	6	7	0	0	0,00	38,90	20,90	33,0	6,5	UOA
1784	7	7	0	0	0,00	39,30	40,30	15,0	7,0	TAN
1785	1	30	18	0	0,00	38,20	21,70	33,0	6,6	UOA
1786	2	5	0	0	0,00	39,60	19,90	33,0	6,6	UOA
1787	6	20	0	0	0,00	39,60	21,70	33,0	6,3	UOA
1789	0	0	0	0	0,00	38,70	39,90	15,0	6,0	TAN
1789	5	29	0	0	0,00	39,00	40,00	40,0	7,1	TAN
1791	11	2	21	0	0,00	37,80	21,00	33,0	7,0	UOA
1797	3	0	0	0	0,00	40,30	24,80	33,0	6,6	UOA
1798	6	0	0	0	0,00	36,00	23,00	33,0	6,7	UOA
1804	1	8	0	0	0,00	38,30	21,90	33,0	6,7	UOA
1805	7	3	0	0	0,00	36,00	24,00	33,0	7,1	UOA
1805	11	16	0	0	0,00	38,00	24,00	33,0	6,1	UOA

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1809	2	7	0	0	0,00	40,00	27,00	0,0	6,2	TAN
1809	5	3	0	0	0,00	39,60	20,60	33,0	6,1	UOA
1810	0	0	0	0	0,00	35,00	24,60	33,0	6,5	UOA
1810	2	16	22	15	0,00	35,60	25,00	33,0	7,8	UOA
1813	12	9	13	0	0,00	39,70	20,40	33,0	6,4	UOA
1815	0	0	0	0	0,00	38,90	20,60	33,0	6,5	UOA
1817	8	23	8	0	0,00	38,30	22,30	33,0	6,8	UOA
1820	3	17	0	0	0,00	38,90	20,60	33,0	6,6	UOA
1820	12	29	0	0	0,00	37,90	21,30	33,0	6,6	UOA
1821	1	6	0	0	0,00	37,90	21,30	33,0	7,5	UOA
1821	1	9	18	0	0,00	37,80	21,30	33,0	6,5	UOA
1823	6	19	0	0	0,00	39,30	20,30	33,0	6,3	UOA
1825	1	19	11	45	0,00	38,30	20,30	33,0	6,8	UOA
1826	0	0	0	0	0,00	40,70	36,60	15,0	6,0	TAN
1826	1	26	0	0	0,00	39,00	20,60	33,0	6,1	UOA
1826	2	8	20	30	0,00	39,80	26,40	0,0	6,2	TAN
1827	10	20	9	0	0,00	40,70	44,90	20,0	6,5	TAN
1829	4	13	0	0	0,00	41,10	24,80	33,0	6,7	UOA
1829	5	5	9	0	0,00	41,30	24,60	33,0	7,3	UOA
1833	1	19	0	0	0,00	40,40	19,90	33,0	6,4	UOA
1834	0	0	0	0	0,00	39,70	43,70	14,0	6,2	TAN
1835	8	0	0	0	0,00	38,72	35,50	15,0	6,0	TAN
1837	3	20	7	45	0,00	37,60	23,60	33,0	6,4	UOA
1837	8	15	0	0	0,00	38,00	22,00	33,0	6,1	UOA
1840	7	2	16	0	0,00	39,60	44,10	22,0	7,3	TAN
1840	7	6	0	0	0,00	39,70	44,40	12,0	5,3	TAN
1840	7	26	0	0	0,00	39,70	44,40	14,0	5,5	TAN
1840	8	14	7	0	0,00	40,00	44,00	22,0	5,3	TAN
1840	10	30	0	0	0,00	38,00	21,00	33,0	6,8	UOA
1841	5	17	19	0	0,00	39,40	44,80	20,0	6,2	TAN
1841	10	6	2	30	0,00	40,85	29,05	0,0	6,2	TAN
1842	4	18	8	30	0,00	36,60	22,30	33,0	6,7	UOA
1844	0	0	0	0	0,00	40,98	34,80	15,0	6,0	TAN
1844	5	12	0	0	0,00	41,00	35,00	18,0	6,2	TAN
1846	3	28	15	0	0,00	36,00	25,00	33,0	7,7	UOA
1846	6	10	18	0	0,00	37,00	22,00	33,0	7,0	UOA
1850	0	0	0	0	0,00	39,90	43,30	20,0	6,3	TAN
1850	1	13	18	30	0,00	38,00	23,00	33,0	5,8	UOA
1850	4	19	23	30	0,00	40,10	28,30	0,0	6,2	TAN
1851	0	0	0	0	0,00	40,03	28,40	15,0	6,0	TAN
1851	10	12	7	0	0,00	40,70	19,70	33,0	6,6	UOA

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1852	7	24	0	0	0,00	39,90	41,30	12,0	6,3	TAN
1853	8	18	8	30	0,00	38,30	23,60	33,0	7,0	UOA
1854	7	30	1	30	0,00	39,60	20,60	33,0	6,4	UOA
1855	2	28	2	30	0,00	40,10	28,60	0,0	7,1	TAN
1855	4	11	19	40	0,00	40,20	28,90	0,0	6,3	TAN
1855	7	3	0	0	0,00	41,90	19,60	33,0	6,6	UOA
1858	2	21	9	0	0,00	38,00	23,00	33,0	7,0	UOA
1858	4	5	0	0	0,00	39,30	20,30	33,0	6,1	UOA
1858	9	20	0	0	0,00	40,00	20,00	33,0	6,7	UOA
1858	10	10	9	30	0,00	40,10	20,00	33,0	6,4	UOA
1859	1	21	10	0	0,00	40,00	41,70	8,0	6,1	TAN
1859	6	2	0	0	0,00	40,00	41,30	10,0	6,6	TAN
1859	7	17	0	0	0,00	39,90	41,30	14,0	6,2	TAN
1859	8	21	11	30	0,00	40,30	26,10	0,0	6,8	TAN
1860	4	10	0	0	0,00	40,00	20,10	33,0	6,6	UOA
1860	8	22	10	9	0,00	40,50	26,00	0,0	6,2	TAN
1861	11	30	0	0	0,00	36,00	24,00	33,0	5,8	UOA
1861	12	26	6	49	0,00	38,30	22,30	33,0	7,3	UOA
1862	3	14	1	30	0,00	38,30	20,60	33,0	6,7	UOA
1862	6	21	4	57	0,00	36,60	25,00	33,0	7,0	UOA
1862	10	4	5	0	0,00	40,50	19,80	33,0	6,3	UOA
1863	0	0	0	0	0,00	38,50	30,60	10,0	6,4	TAN
1863	11	6	0	0	0,00	40,20	26,60	16,0	6,2	TAN
1864	6	14	3	0	0,00	41,00	25,00	33,0	7,0	UOA
1864	7	17	0	0	0,00	38,60	23,60	33,0	6,1	UOA
1865	10	10	0	0	0,00	40,70	19,80	33,0	6,3	UOA
1866	1	2	0	0	0,00	40,30	19,40	33,0	6,5	UOA
1866	2	6	0	0	0,00	36,00	23,00	33,0	6,1	UOA
1866	3	2	15	30	0,00	40,40	19,50	33,0	6,3	UOA
1866	6	20	14	0	0,00	38,50	41,00	23,0	6,9	TAN
1866	12	4	0	0	0,00	40,10	20,00	33,0	6,3	UOA
1866	12	6	16	25	0,00	42,00	23,00	33,0	7,0	UOA
1867	1	27	0	0	0,00	39,30	20,30	33,0	6,6	UOA
1867	2	4	4	15	0,00	38,30	20,30	33,0	7,3	UOA
1867	3	30	0	0	0,00	41,00	24,00	33,0	6,3	UOA
1867	9	20	3	15	0,00	36,60	22,30	33,0	7,1	UOA
1867	10	22	20	30	0,00	39,30	23,60	33,0	6,1	UOA
1867	10	23	6	30	0,00	37,90	21,00	33,0	5,8	UOA
1868	2	25	11	10	0,00	41,00	43,00	25,0	6,3	TAN
1868	4	11	3	30	0,00	40,00	41,70	15,0	5,9	TAN
1868	4	23	3	30	0,00	40,00	42,50	17,0	6,2	TAN

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1868	10	3	23	30	0,00	39,30	23,60	33,0	6,3	UOA
1868	12	28	7	30	0,00	38,60	23,60	33,0	5,8	UOA
1869	8	14	0	0	0,00	40,20	19,70	33,0	6,4	UOA
1869	9	2	12	0	0,00	40,70	43,00	6,0	5,5	TAN
1869	12	28	3	0	0,00	38,90	20,90	33,0	6,9	UOA
1870	8	1	0	40	0,00	38,60	22,60	33,0	7,0	UOA
1871	3	17	0	0	0,00	38,00	43,00	32,0	6,9	TAN
1871	4	8	23	30	0,00	39,60	20,00	33,0	6,1	UOA
1872	2	11	20	0	0,00	39,90	20,30	33,0	6,7	UOA
1873	0	0	0	0	0,00	40,47	37,80	15,0	6,0	TAN
1873	3	9	0	0	0,00	39,30	23,60	33,0	5,8	UOA
1873	7	25	9	30	0,00	37,90	23,30	33,0	6,1	UOA
1873	10	25	22	0	0,00	38,00	21,30	33,0	6,1	UOA
1874	1	17	1	46	0,00	38,30	23,90	33,0	6,1	UOA
1874	3	18	3	8	0,00	38,60	23,60	33,0	6,1	UOA
1874	5	3	7	0	0,00	38,50	39,50	14,0	7,2	TAN
1875	3	0	0	0	0,00	40,15	26,40	15,0	6,0	TAN
1875	3	3	22	48	0,00	38,50	39,50	35,0	6,8	TAN
1875	4	24	0	0	0,00	37,30	21,90	33,0	6,1	UOA
1875	5	4	0	0	0,00	38,10	30,20	16,0	7,4	TAN
1875	5	11	0	0	0,00	38,00	29,00	40,0	7,1	TAN
1875	11	1	10	0	0,00	38,80	41,40	14,0	6,2	TAN
1876	6	26	16	0	0,00	37,90	22,30	33,0	6,1	UOA
1876	8	6	11	0	0,00	38,30	21,90	33,0	5,8	UOA
1877	7	2	9	45	0,00	38,00	22,90	33,0	6,1	UOA
1877	10	13	0	0	0,00	40,60	27,60	14,0	6,2	TAN
1878	4	19	0	0	0,00	40,70	30,00	17,0	6,6	TAN
1879	7	3	14	25	0,00	38,20	22,60	33,0	6,1	UOA
1880	1	0	0	0	0,00	39,30	23,00	33,0	5,8	UOA
1881	6	7	0	0	0,00	38,60	42,80	16,0	6,4	TAN
1881	9	28	0	0	0,00	40,60	33,60	15,0	6,0	TAN
1882	8	31	9	30	0,00	38,60	21,60	33,0	5,8	UOA
1882	10	13	16	30	0,00	37,90	21,00	33,0	5,8	UOA
1883	6	27	10	0	0,00	39,60	20,00	33,0	5,8	UOA
1883	8	0	0	0	0,00	39,60	20,00	33,0	5,8	UOA
1883	8	4	1	30	0,00	37,60	24,60	33,0	5,8	UOA
1883	11	14	0	45	0,00	38,30	21,90	33,0	5,8	UOA
1884	2	10	5	0	0,00	37,80	42,40	30,0	7,0	TAN
1885	2	18	14	30	0,00	38,60	21,90	33,0	6,1	UOA
1885	3	28	18	30	0,00	37,20	22,20	33,0	6,7	UOA
1885	7	14	4	0	0,00	38,30	21,90	33,0	5,8	UOA

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1885	8	22	20	30	0,00	38,90	23,60	33,0	6,1	UOA
1885	12	14	0	0	0,00	38,90	20,60	33,0	6,1	UOA
1886	8	27	21	30	0,00	37,00	21,30	33,0	8,2	UOA
1886	10	22	22	30	0,00	39,30	23,00	33,0	5,8	UOA
1886	11	0	0	0	0,00	38,30	29,30	15,0	6,0	TAN
1887	4	9	0	0	0,00	37,60	22,30	33,0	5,8	UOA
1887	10	3	22	53	0,00	38,30	22,90	33,0	6,1	UOA
1888	4	1	12	0	0,00	37,60	23,00	33,0	5,8	UOA
1888	9	9	15	15	0,00	38,20	22,10	33,0	6,5	UOA
1888	9	23	12	30	0,00	40,90	42,80	12,0	5,5	TAN
1889	1	22	4	15	0,00	38,30	23,90	33,0	5,8	UOA
1889	4	0	0	0	0,00	39,60	20,60	33,0	6,1	UOA
1889	8	25	19	13	0,00	38,30	22,00	33,0	6,1	UOA
1890	5	21	0	0	0,00	39,60	20,60	33,0	6,1	UOA
1891	4	3	0	0	0,00	39,10	42,50	13,0	6,2	TAN
1891	5	11	18	15	0,00	37,60	24,60	33,0	5,8	UOA
1891	6	27	13	45	0,00	39,00	20,90	33,0	6,1	UOA
1891	9	18	4	0	0,00	39,30	23,00	33,0	6,1	UOA
1892	1	9	6	25	0,00	39,90	22,60	33,0	6,1	UOA
1893	1	31	3	30	0,00	37,70	20,90	33,0	6,5	UOA
1893	2	1	0	15	0,00	37,70	20,90	33,0	6,7	UOA
1893	2	9	17	16	0,00	40,50	26,20	0,0	6,9	TAN
1893	3	31	0	0	0,00	38,30	38,50	21,0	7,1	TAN
1893	4	17	5	0	0,00	37,70	20,90	33,0	6,5	UOA
1893	5	23	20	4	0,00	38,30	23,60	33,0	6,1	UOA
1893	10	13	5	30	0,00	37,70	20,90	33,0	6,1	UOA
1893	11	14	8	39	0,00	38,00	23,60	33,0	6,1	UOA
1894	3	26	15	30	0,00	38,30	22,90	33,0	5,8	UOA
1894	4	20	16	52	0,00	38,60	23,20	150,0	6,8	UOA
1894	4	27	19	42	0,00	38,70	23,10	150,0	7,0	UOA
1894	5	14	0	0	0,00	36,60	35,60	30,0	6,2	TAN
1894	7	10	12	24	0,00	40,70	29,60	0,0	7,3	TAN
1894	7	26	0	15	0,00	37,90	21,90	33,0	6,1	UOA
1895	5	13	13	0	0,00	40,10	19,80	33,0	6,3	UOA
1895	5	14	3	0	0,00	39,60	20,60	33,0	6,6	UOA
1895	5	15	0	0	0,00	40,10	20,10	33,0	6,3	UOA
1895	9	5	0	0	0,00	39,90	20,90	33,0	6,1	UOA
1896	4	16	0	0	0,00	39,30	29,20	15,0	6,0	TAN
1896	7	27	12	15	0,00	37,90	21,00	33,0	5,8	UOA
1896	9	22	3	53	0,00	41,60	45,00	30,0	6,3	TAN
1896	11	13	4	56	0,00	39,90	20,90	33,0	6,1	UOA

Raw Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1896	12	28	23	30	0,00	37,00	22,30	33,0	5,8	UOA
1896	12	29	0	0	0,00	39,90	20,90	33,0	6,1	UOA
1897	5	28	22	15	0,00	37,60	20,60	33,0	7,5	UOA
1897	6	30	14	0	0,00	39,60	21,00	33,0	6,1	UOA
1897	11	25	11	45	0,00	37,90	21,30	33,0	5,8	UOA
1898	6	2	21	42	0,00	37,60	22,60	120,0	6,1	UOA
1898	7	31	5	40	0,00	39,90	20,90	33,0	6,6	UOA
1898	8	5	5	13	0,00	37,60	23,00	70,0	5,8	UOA
1898	11	9	18	15	0,00	37,30	21,90	70,0	6,1	UOA
1898	12	3	5	50	0,00	37,90	21,00	33,0	6,1	UOA
1899	1	22	7	49	0,00	37,30	21,90	100,0	6,6	UOA
1899	1	29	18	45	0,00	38,00	23,00	33,0	5,8	UOA
1899	4	15	4	32	0,00	37,90	21,30	33,0	6,1	UOA
1899	5	1	10	0	0,00	39,00	22,00	33,0	5,8	UOA
1899	12	31	10	50	0,00	41,55	43,60	8,0	6,3	TAN

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
-600	0	0	0	0	0,0	38,60	22,60	33,0	6,7	UOA
-600	0	0	0	0	0,0	35,00	45,00	12,0	6,5	TAN
-550	0	0	0	0	0,0	37,20	22,30	33,0	6,7	UOA
-550	0	0	0	0	0,0	39,70	44,40	15,0	6,7	TAN
-510	0	0	0	0	0,0	37,70	23,40	33,0	5,4	UOA
-480	0	0	0	0	0,0	38,50	22,70	33,0	6,7	UOA
-480	0	0	0	0	0,0	40,30	23,60	33,0	6,7	UOA
-464	0	0	0	0	0,0	37,20	22,30	33,0	7,0	UOA
-426	0	0	0	0	0,0	38,90	22,90	33,0	7,1	UOA
-420	0	0	0	0	0,0	38,00	23,00	33,0	6,1	UOA
-420	0	0	0	0	0,0	38,20	24,00	33,0	5,4	UOA
-415	0	0	0	0	0,0	37,20	22,30	33,0	5,4	UOA
-412	0	0	0	0	0,0	37,20	22,30	33,0	5,4	UOA
-387	0	0	0	0	0,0	37,60	22,80	33,0	5,4	UOA
-373	0	0	0	0	0,0	38,30	22,30	33,0	7,3	UOA
-368	0	0	0	0	0,0	35,00	25,00	33,0	7,5	UOA
-354	0	0	0	0	0,0	38,50	22,70	33,0	5,4	UOA
-347	0	0	0	0	0,0	38,50	22,70	33,0	5,4	UOA
-342	0	0	0	0	0,0	40,40	26,60	14,0	6,2	TAN
-330	0	0	0	0	0,0	40,00	25,00	33,0	7,0	UOA
-303	0	0	0	0	0,0	38,00	22,70	33,0	6,5	UOA
-287	0	0	0	0	0,0	40,59	26,87	0,0	6,7	TAN
-282	0	0	0	0	0,0	40,60	26,60	14,0	6,2	TAN
-279	0	0	0	0	0,0	38,60	22,60	33,0	6,1	UOA
-267	0	0	0	0	0,0	35,00	25,00	33,0	6,7	UOA
-255	0	0	0	0	0,0	35,00	25,00	33,0	6,7	UOA
-227	0	0	0	0	0,0	38,00	22,90	33,0	7,2	UOA
-165	0	0	0	0	0,0	37,70	21,80	33,0	6,1	UOA
-148	2	21	0	0	0,0	36,19	36,17	0,0	6,7	TAN
-88	0	0	0	0	0,0	38,08	30,16	0,0	6,7	TAN
-65	0	0	0	0	0,0	36,19	36,17	0,0	6,7	TAN
-27	0	0	0	0	0,0	37,84	29,09	0,0	6,7	TAN
17	0	0	0	0	0,0	38,62	27,40	0,0	7,1	TAN
23	0	0	0	0	0,0	38,30	22,30	33,0	6,5	UOA
23	0	0	0	0	0,0	37,13	29,49	0,0	6,3	TAN
29	11	24	0	0	0,0	40,42	29,72	0,0	6,7	TAN
30	0	0	0	0	0,0	40,50	29,50	15,0	6,6	TAN
33	0	0	0	0	0,0	40,77	29,90	15,0	6,0	TAN
37	3	23	0	0	0,0	36,13	36,16	0,0	6,3	TAN
47	0	0	0	0	0,0	36,13	36,16	0,0	6,3	TAN
47	0	0	0	0	0,0	38,45	27,18	0,0	6,3	TAN
52	0	0	0	0	0,0	41,00	24,30	33,0	6,5	UOA

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
53	0	0	0	0	0,0	38,08	30,16	0,0	6,3	TAN
55	0	0	0	0	0,0	35,00	25,00	33,0	7,5	UOA
57	0	0	0	0	0,0	41,30	19,50	33,0	6,6	UOA
60	0	0	0	0	0,0	37,80	29,10	22,0	6,8	TAN
62	0	0	0	0	0,0	38,30	21,80	33,0	6,6	UOA
69	0	0	0	0	0,0	40,60	29,90	15,0	6,0	TAN
75	0	0	0	0	0,0	38,81	41,34	15,0	6,5	TAN
76	0	0	0	0	0,0	35,00	34,00	20,0	6,9	TAN
77	0	0	0	0	0,0	38,00	23,00	33,0	6,7	UOA
92	0	0	0	0	0,0	40,50	26,60	25,0	6,6	TAN
97	0	0	0	0	0,0	37,24	35,90	0,0	6,3	TAN
105	0	0	0	0	0,0	38,79	26,93	0,0	6,7	TAN
106	0	0	0	0	0,0	38,60	23,50	33,0	6,1	UOA
110	0	0	0	0	0,0	36,00	25,00	33,0	6,1	UOA
115	12	13	0	0	0,0	36,19	36,17	0,0	6,7	TAN
117	11	10	0	0	0,0	40,40	28,00	14,0	6,2	TAN
121	0	0	0	0	0,0	40,60	29,90	15,0	6,0	TAN
139	0	0	0	0	0,0	39,60	44,10	15,0	6,2	TAN
170	5	3	0	0	0,0	40,30	28,70	15,0	6,6	TAN
178	0	0	0	0	0,0	38,45	27,18	0,0	6,7	TAN
241	0	0	0	0	0,0	37,72	28,68	0,0	6,3	TAN
242	0	0	0	0	0,0	37,30	36,50	45,0	7,6	TAN
330	0	0	0	0	0,0	35,00	34,00	14,0	6,4	TAN
334	0	0	0	0	0,0	41,40	19,50	33,0	6,7	UOA
337	0	0	0	0	0,0	35,00	33,00	20,0	7,1	TAN
343	0	0	0	0	0,0	40,61	36,93	0,0	6,7	TAN
345	0	0	0	0	0,0	40,60	36,90	15,0	6,0	TAN
358	8	24	0	0	0,0	40,77	29,90	15,0	6,0	TAN
362	12	2	0	0	0,0	40,42	29,72	0,0	6,3	TAN
363	2	1	0	0	0,0	41,00	29,00	15,0	6,0	TAN
365	7	21	0	0	0,0	35,00	23,00	33,0	8,2	UOA
368	10	11	0	0	0,0	40,42	29,72	0,0	6,7	TAN
374	0	0	0	0	0,0	35,00	23,00	33,0	6,7	UOA
407	4	1	0	0	0,0	41,00	29,00	0,0	6,0	TAN
417	0	0	0	0	0,0	37,13	29,49	0,0	6,7	TAN
427	0	0	0	0	0,0	41,00	29,00	15,0	6,0	TAN
437	9	25	0	0	0,0	41,00	29,00	0,0	5,4	TAN
440	10	26	0	0	0,0	41,00	29,00	15,0	6,0	TAN
448	9	6	0	0	0,0	35,00	25,00	33,0	6,7	UOA
458	9	14	0	0	0,0	36,19	36,17	0,0	6,3	TAN
461	0	0	0	0	0,0	39,17	42,58	15,0	6,1	TAN
464	0	0	0	0	0,0	40,40	27,80	16,0	7,4	TAN

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
478	9	25	0	0	0,0	40,90	28,80	16,0	7,1	TAN
488	0	0	0	0	0,0	40,77	29,90	15,0	6,0	TAN
494	0	0	0	0	0,0	37,84	29,09	0,0	6,7	TAN
499	0	0	0	0	0,0	38,10	38,60	15,0	7,0	TAN
521	0	0	0	0	0,0	38,00	23,00	33,0	6,7	UOA
521	0	0	0	0	0,0	37,00	36,50	40,0	7,5	TAN
528	0	0	0	0	0,0	40,65	35,85	15,0	6,0	TAN
528	11	29	0	0	0,0	36,25	36,10	0,0	6,7	TAN
529	7	0	0	0	0,0	40,65	35,83	0,0	6,3	TAN
530	0	0	0	0	0,0	36,23	29,98	0,0	6,3	TAN
543	9	6	0	0	0,0	40,41	27,89	0,0	6,7	TAN
546	4	8	0	0	0,0	41,00	29,00	0,0	6,3	TAN
550	0	0	0	0	0,0	40,90	28,50	25,0	7,3	TAN
551	7	7	0	0	0,0	38,60	22,60	33,0	7,1	UOA
554	8	16	0	0	0,0	41,00	29,00	15,0	6,0	TAN
557	12	14	0	0	0,0	40,90	28,80	14,0	6,2	TAN
570	0	0	0	0	0,0	36,19	36,17	0,0	6,7	TAN
602	4	0	0	0	0,0	38,68	41,59	15,0	6,1	TAN
611	0	0	0	0	0,0	41,00	29,00	15,0	6,0	TAN
667	0	0	0	0	0,0	40,90	23,30	33,0	6,1	UOA
678	0	0	0	0	0,0	38,20	39,50	20,0	7,7	TAN
679	4	3	0	0	0,0	36,97	38,44	0,0	6,7	TAN
732	0	0	0	0	0,0	41,00	29,00	15,0	6,0	TAN
740	10	26	0	0	0,0	41,00	28,80	25,0	7,3	TAN
742	0	0	0	0	0,0	42,40	44,90	18,0	6,4	TAN
790	2	9	0	0	0,0	41,00	29,00	0,0	5,4	TAN
796	4	7	0	0	0,0	35,00	25,00	33,0	7,1	UOA
800	0	0	0	0	0,0	35,70	38,70	12,0	6,4	TAN
802	0	0	0	0	0,0	39,70	39,50	15,0	6,5	TAN
815	0	0	0	0	0,0	41,00	28,50	25,0	7,7	TAN
847	0	0	0	0	0,0	35,50	43,50	16,0	7,3	TAN
847	11	24	0	0	0,0	36,00	36,16	0,0	6,7	TAN
862	5	28	0	0	0,0	41,00	29,00	0,0	6,3	TAN
867	1	9	0	0	0,0	40,80	29,30	14,0	6,2	TAN
869	1	9	0	0	0,0	41,00	29,00	0,0	6,3	TAN
893	12	27	0	0	0,0	40,00	44,60	8,0	6,4	TAN
896	3	0	0	0	0,0	40,60	22,50	33,0	6,3	UOA
896	9	4	0	0	0,0	41,70	22,90	33,0	6,5	UOA
906	4	0	0	0	0,0	39,70	45,00	14,0	6,6	TAN
913	0	0	0	0	0,0	36,00	25,00	33,0	5,6	UOA
968	12	22	0	0	0,0	39,60	20,00	33,0	6,1	UOA
975	10	26	0	0	0,0	41,00	26,00	15,0	6,0	TAN

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
986	11	0	0	0	0,0	36,30	43,30	14,0	6,6	TAN
989	10	26	0	0	0,0	40,77	29,95	0,0	6,3	TAN
995	12	0	0	0	0,0	39,00	40,00	15,0	7,0	TAN
1010	0	0	0	0	0,0	40,60	27,00	16,0	7,1	TAN
1010	3	9	0	0	0,0	41,03	28,95	0,0	5,9	TAN
1011	0	0	0	0	0,0	39,70	39,50	15,0	6,5	TAN
1026	12	4	0	0	0,0	41,03	28,95	0,0	6,3	TAN
1031	8	13	0	0	0,0	41,04	28,98	15,0	6,0	TAN
1032	8	13	17	45	0,0	41,03	28,95	0,0	5,8	TAN
1034	0	0	0	0	0,0	41,00	29,00	15,0	6,0	TAN
1036	12	18	10	30	0,0	41,03	28,95	0,0	5,3	TAN
1040	2	2	0	0	0,0	38,42	27,15	0,0	6,7	TAN
1045	0	0	0	0	0,0	39,73	39,50	0,0	7,7	TAN
1046	7	8	0	0	0,0	39,00	40,00	30,0	7,9	TAN
1050	8	5	0	0	0,0	40,58	33,62	0,0	6,7	TAN
1064	9	23	0	0	0,0	40,90	28,30	15,0	6,6	TAN
1065	9	0	0	0	0,0	40,45	29,72	0,0	6,7	TAN
1082	12	6	0	0	0,0	41,00	29,00	15,0	6,0	TAN
1088	4	23	0	0	0,0	41,40	43,20	15,0	6,1	TAN
1090	12	6	10	0	0,0	41,03	28,95	0,0	6,5	TAN
1091	9	26	0	0	0,0	36,23	36,12	0,0	6,5	TAN
1097	12	30	0	0	0,0	36,23	36,12	0,0	6,1	TAN
1104	0	0	0	0	0,0	38,00	38,30	25,0	6,5	TAN
1111	0	0	0	0	0,0	38,50	43,40	15,0	6,6	TAN
1114	8	10	0	0	0,0	37,50	38,00	30,0	8,1	TAN
1132	11	28	0	0	0,0	40,50	43,50	16,0	6,1	TAN
1135	9	23	0	0	0,0	39,67	41,73	0,0	6,7	TAN
1136	0	0	0	0	0,0	36,00	43,50	20,0	7,0	TAN
1137	9	19	0	0	0,0	37,00	38,00	18,0	7,4	TAN
1143	11	26	0	0	0,0	40,18	29,07	0,0	6,1	TAN
1147	0	0	0	0	0,0	38,60	22,60	33,0	6,1	UOA
1151	0	0	0	0	0,0	40,60	43,10	10,0	5,1	TAN
1162	0	0	0	0	0,0	41,03	28,95	0,0	6,1	TAN
1163	8	0	0	0	0,0	36,23	36,12	0,0	7,0	TAN
1165	0	0	0	0	0,0	39,74	39,50	15,0	6,0	TAN
1168	0	0	0	0	0,0	39,70	39,50	10,0	6,2	TAN
1179	4	29	0	0	0,0	36,50	44,20	16,0	7,1	TAN
1197	7	0	0	0	0,0	41,03	28,95	0,0	5,8	TAN
1208	1	0	0	0	0,0	38,70	42,50	35,0	6,5	TAN
1213	6	22	0	0	0,0	37,25	32,33	0,0	7,2	TAN
1220	1	11	0	0	0,0	40,70	42,40	10,0	5,1	TAN
1227	0	0	0	0	0,0	35,80	44,40	35,0	7,6	TAN

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1231	3	11	0	0	0,0	41,03	28,95	0,0	6,1	TAN
1237	9	16	0	0	0,0	41,03	28,95	0,0	5,8	TAN
1246	0	0	0	0	0,0	35,60	24,00	33,0	6,4	UOA
1254	4	28	0	0	0,0	40,20	38,30	15,0	7,2	TAN
1254	10	11	0	0	0,0	39,73	39,50	0,0	7,2	TAN
1265	8	0	0	0	0,0	40,63	27,62	0,0	6,7	TAN
1268	0	0	0	0	0,0	39,80	40,40	25,0	7,3	TAN
1268	9	10	0	0	0,0	37,30	35,50	12,0	6,3	TAN
1269	4	17	17	0	0,0	37,02	36,35	0,0	6,3	TAN
1273	3	0	0	0	0,0	41,30	19,70	33,0	6,5	UOA
1275	6	27	0	0	0,0	38,00	42,00	20,0	6,9	TAN
1280	7	12	0	0	0,0	40,98	29,15	0,0	5,3	TAN
1283	4	17	9	0	0,0	41,60	43,30	18,0	6,8	TAN
1287	5	16	0	0	0,0	39,73	39,50	0,0	6,7	TAN
1296	6	1	0	0	0,0	41,00	29,00	15,0	6,0	TAN
1296	7	17	18	15	0,0	39,10	27,45	0,0	6,3	TAN
1303	1	17	0	0	0,0	41,03	28,95	0,0	5,1	TAN
1308	0	0	0	0	0,0	39,74	39,50	15,0	6,0	TAN
1315	9	29	0	0	0,0	41,03	28,95	0,0	5,5	TAN
1319	0	0	0	0	0,0	39,80	43,50	30,0	7,5	TAN
1319	12	0	0	0	0,0	40,40	43,60	16,0	5,7	TAN
1327	5	12	19	45	0,0	40,20	28,43	0,0	5,9	TAN
1343	0	0	0	0	0,0	37,30	37,40	30,0	7,6	TAN
1344	1	3	8	0	0,0	36,75	37,52	0,0	6,0	TAN
1344	10	0	0	0	0,0	40,90	28,00	16,0	7,1	TAN
1350	0	0	0	0	0,0	42,90	43,10	20,0	6,5	TAN
1354	3	1	0	0	0,0	40,40	26,50	16,0	7,3	TAN
1363	0	0	0	0	0,0	38,70	41,60	15,0	6,9	TAN
1366	6	1	0	0	0,0	40,30	24,30	33,0	6,5	UOA
1374	12	8	0	0	0,0	39,73	39,50	0,0	6,3	TAN
1400	1	0	0	0	0,0	40,18	29,97	0,0	6,5	TAN
1402	7	28	0	0	0,0	41,03	28,95	0,0	5,8	TAN
1407	4	9	0	0	0,0	36,23	36,12	0,0	6,5	TAN
1419	3	0	0	0	0,0	41,00	34,00	25,0	7,6	TAN
1419	3	15	0	0	0,0	40,18	29,07	0,0	6,3	TAN
1419	3	26	0	0	0,0	39,73	39,50	0,0	6,5	TAN
1430	0	0	0	0	0,0	36,00	25,00	33,0	6,1	UOA
1430	2	26	0	0	0,0	40,90	23,30	33,0	6,1	UOA
1437	9	4	0	0	0,0	41,03	28,95	0,0	5,3	TAN
1441	0	0	0	0	0,0	38,75	42,48	0,0	5,3	TAN
1454	0	0	0	0	0,0	41,03	28,95	0,0	4,9	TAN
1457	4	0	0	0	0,0	39,90	40,40	25,0	7,6	TAN

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1459	0	0	0	0	0,0	37,30	23,60	33,0	5,6	UOA
1469	0	0	0	0	0,0	38,60	20,60	33,0	7,1	UOA
1481	3	0	0	0	0,0	39,90	40,40	17,0	7,8	TAN
1490	0	0	0	0	0,0	35,00	24,50	33,0	7,0	UOA
1491	4	25	0	0	0,0	35,20	33,20	15,0	6,0	TAN
1493	10	18	14	30	0,0	36,82	27,13	0,0	6,5	TAN
1503	0	0	0	0	0,0	37,40	43,80	28,0	7,4	TAN
1505	0	0	0	0	0,0	41,00	29,00	15,0	6,0	TAN
1509	0	0	0	0	0,0	40,90	35,20	40,0	7,5	TAN
1509	9	10	22	0	0,0	40,90	28,70	0,0	7,2	TAN
1511	0	0	0	0	0,0	40,30	24,30	33,0	6,1	UOA
1513	0	0	0	0	0,0	37,50	36,50	14,0	7,5	TAN
1515	4	16	0	0	0,0	37,90	21,00	33,0	6,7	UOA
1543	0	0	0	0	0,0	39,74	39,50	15,0	6,0	TAN
1544	1	0	0	0	0,0	38,00	37,00	10,0	6,8	TAN
1544	4	22	0	0	0,0	39,00	22,40	33,0	6,6	UOA
1547	0	0	0	0	0,0	35,00	25,00	33,0	6,1	UOA
1554	7	7	0	0	0,0	37,90	21,00	33,0	6,1	UOA
1556	5	10	24	0	0,0	40,30	27,80	0,0	7,2	TAN
1566	7	11	0	0	0,0	39,00	21,70	33,0	6,5	UOA
1572	4	12	0	0	0,0	40,30	24,30	33,0	6,6	UOA
1572	6	18	0	0	0,0	40,20	24,50	33,0	6,6	UOA
1573	0	0	0	0	0,0	35,40	45,00	20,0	6,9	TAN
1578	0	0	0	0	0,0	39,74	39,50	15,0	6,0	TAN
1580	0	0	0	0	0,0	38,60	22,60	33,0	6,7	UOA
1584	6	17	0	0	0,0	40,00	39,00	15,0	6,6	TAN
1585	6	0	0	0	0,0	40,30	24,30	33,0	6,6	UOA
1592	5	15	0	0	0,0	37,90	21,00	33,0	6,6	UOA
1598	0	0	0	0	0,0	40,60	35,40	18,0	6,2	TAN
1601	4	16	0	0	0,0	40,50	19,70	33,0	6,7	UOA
1605	0	0	0	0	0,0	40,40	43,60	22,0	6,2	TAN
1612	5	16	0	0	0,0	38,90	20,90	33,0	6,8	UOA
1613	10	2	0	0	0,0	38,90	20,90	33,0	6,8	UOA
1616	8	27	0	0	0,0	36,80	37,00	20,0	6,4	TAN
1622	5	5	0	0	0,0	37,60	21,00	33,0	6,6	UOA
1625	6	18	6	0	0,0	38,90	20,90	33,0	6,8	UOA
1629	2	27	0	0	0,0	36,00	25,00	33,0	7,0	UOA
1629	3	7	9	0	0,0	35,50	25,00	70,0	7,0	UOA
1630	7	22	4	0	0,0	38,60	20,60	33,0	6,9	UOA
1633	7	30	0	0	0,0	41,00	29,00	15,0	6,0	TAN
1636	9	20	0	0	0,0	38,00	20,60	33,0	7,2	UOA
1641	6	1	0	0	0,0	38,00	24,00	33,0	6,1	UOA

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1646	4	0	0	0	0,0	41,00	29,00	15,0	6,0	TAN
1648	3	31	0	0	0,0	38,30	43,50	13,0	6,8	TAN
1651	6	29	0	0	0,0	38,00	24,10	33,0	6,2	UOA
1655	1	0	0	0	0,0	35,00	25,00	33,0	6,7	UOA
1658	8	1	0	0	0,0	38,00	21,00	33,0	6,9	UOA
1660	0	0	0	0	0,0	38,00	21,00	33,0	6,7	UOA
1660	0	0	0	0	0,0	39,74	41,30	15,0	6,6	TAN
1660	3	0	0	0	0,0	38,60	22,60	33,0	6,5	UOA
1662	0	0	0	0	0,0	35,00	25,00	33,0	6,7	UOA
1664	0	0	0	0	0,0	37,90	21,00	33,0	6,7	UOA
1665	1	0	0	0	0,0	35,00	25,00	33,0	6,7	UOA
1666	0	13	9	0	0,0	39,70	39,50	10,0	7,5	TAN
1666	11	0	0	0	0,0	37,00	43,00	18,0	6,8	TAN
1668	8	17	0	0	0,0	41,00	36,00	40,0	8,1	TAN
1672	4	0	0	0	0,0	40,00	26,00	14,0	6,2	TAN
1674	0	0	0	0	0,0	40,18	29,10	15,0	6,0	TAN
1674	1	1	0	0	0,0	39,50	20,00	33,0	6,5	UOA
1676	4	23	0	0	0,0	37,90	21,00	33,0	6,1	UOA
1685	11	22	23	0	0,0	39,00	41,00	24,0	6,8	TAN
1688	0	0	0	0	0,0	40,30	41,50	15,0	6,5	TAN
1693	0	0	0	0	0,0	36,50	41,90	15,0	6,7	TAN
1696	4	14	0	0	0,0	39,10	43,90	10,0	7,1	TAN
1696	9	4	0	0	0,0	37,90	21,00	33,0	6,5	UOA
1701	3	19	0	0	0,0	40,30	19,90	33,0	6,6	UOA
1704	11	11	0	0	0,0	38,90	20,90	33,0	6,8	UOA
1705	1	27	0	0	0,0	38,70	41,70	13,0	6,8	TAN
1707	0	0	0	0	0,0	40,60	43,10	10,0	5,1	TAN
1707	6	6	0	0	0,0	37,90	21,00	33,0	6,1	UOA
1710	5	17	0	0	0,0	37,90	21,00	33,0	6,5	UOA
1714	0	0	0	0	0,0	38,72	35,50	15,0	6,0	TAN
1714	8	28	0	0	0,0	38,00	20,60	33,0	6,6	UOA
1715	3	8	6	0	0,0	38,40	43,90	16,0	6,7	TAN
1717	0	0	0	0	0,0	35,00	25,00	33,0	6,1	UOA
1718	7	8	0	0	0,0	40,30	41,50	15,0	6,5	TAN
1718	12	10	0	0	0,0	35,20	33,20	13,0	6,2	TAN
1719	5	25	12	0	0,0	40,70	29,80	0,0	7,4	TAN
1723	2	11	3	0	0,0	38,60	20,60	33,0	6,7	UOA
1729	6	28	0	0	0,0	37,90	21,00	33,0	6,1	UOA
1733	12	12	20	0	0,0	37,00	24,60	33,0	6,3	UOA
1735	9	1	6	0	0,0	39,60	21,60	33,0	6,2	UOA
1735	12	0	0	0	0,0	35,00	34,00	24,0	6,6	TAN
1736	0	0	0	0	0,0	38,00	20,60	33,0	6,1	UOA

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1737	0	0	0	0	0,0	41,00	29,00	15,0	6,0	TAN
1737	3	6	7	30	0,0	40,10	27,30	0,0	7,0	TAN
1738	7	20	0	0	0,0	36,90	24,60	33,0	6,5	UOA
1740	1	0	0	0	0,0	39,60	20,80	33,0	6,2	UOA
1743	2	20	0	0	0,0	39,00	20,30	33,0	6,9	UOA
1748	5	14	0	0	0,0	38,30	22,30	33,0	6,8	UOA
1750	5	12	0	0	0,0	36,00	23,00	33,0	7,0	UOA
1752	6	0	0	0	0,0	37,90	21,00	33,0	6,7	UOA
1754	0	0	0	0	0,0	39,75	37,00	15,0	6,0	TAN
1754	9	2	3	30	0,0	40,80	29,20	0,0	6,8	TAN
1758	5	0	0	0	0,0	39,00	23,30	33,0	6,3	UOA
1759	1	12	0	0	0,0	38,30	38,30	15,0	6,5	TAN
1759	6	2	10	0	0,0	38,00	20,60	33,0	6,5	UOA
1759	6	26	0	0	0,0	40,90	23,00	33,0	6,5	UOA
1766	7	11	15	0	0,0	38,00	20,60	33,0	6,7	UOA
1766	8	5	5	30	0,0	40,50	26,60	0,0	7,4	TAN
1767	0	0	0	0	0,0	41,00	29,00	15,0	6,0	TAN
1767	7	11	4	0	0,0	38,30	20,30	33,0	7,2	UOA
1773	3	16	7	0	0,0	39,20	22,90	33,0	6,5	UOA
1779	10	0	15	0	0,0	40,30	41,50	15,0	6,5	TAN
1781	0	0	0	0	0,0	36,50	43,00	14,0	6,7	TAN
1781	8	28	0	0	0,0	39,60	22,50	33,0	6,3	UOA
1783	1	13	0	0	0,0	39,70	44,30	12,0	5,2	TAN
1783	3	23	5	0	0,0	38,60	20,60	33,0	7,0	UOA
1784	7	7	0	0	0,0	39,30	40,30	15,0	7,0	TAN
1787	6	20	0	0	0,0	39,60	21,70	33,0	6,3	UOA
1789	0	0	0	0	0,0	38,70	39,90	15,0	6,0	TAN
1789	5	29	0	0	0,0	39,00	40,00	40,0	7,1	TAN
1791	11	2	21	0	0,0	37,80	21,00	33,0	7,0	UOA
1797	3	0	0	0	0,0	40,30	24,80	33,0	6,6	UOA
1798	6	0	0	0	0,0	36,00	23,00	33,0	6,7	UOA
1804	1	8	0	0	0,0	38,30	21,90	33,0	6,7	UOA
1805	7	3	0	0	0,0	36,00	24,00	33,0	7,1	UOA
1805	11	16	0	0	0,0	38,00	24,00	33,0	6,1	UOA
1809	2	7	0	0	0,0	40,00	27,00	0,0	6,2	TAN
1809	5	3	0	0	0,0	39,60	20,60	33,0	6,1	UOA
1810	0	0	0	0	0,0	35,00	24,60	33,0	6,5	UOA
1810	2	16	22	15	0,0	35,60	25,00	33,0	7,8	UOA
1813	12	9	13	0	0,0	39,70	20,40	33,0	6,4	UOA
1815	0	0	0	0	0,0	38,90	20,60	33,0	6,5	UOA
1821	1	6	0	0	0,0	37,90	21,30	33,0	7,5	UOA
1826	0	0	0	0	0,0	40,70	36,60	15,0	6,0	TAN

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1826	1	26	0	0	0,0	39,00	20,60	33,0	6,1	UOA
1827	10	20	9	0	0,0	40,70	44,90	20,0	6,5	TAN
1829	5	5	9	0	0,0	41,30	24,60	33,0	7,3	UOA
1833	1	19	0	0	0,0	40,40	19,90	33,0	6,4	UOA
1834	0	0	0	0	0,0	39,70	43,70	14,0	6,2	TAN
1835	8	0	0	0	0,0	38,72	35,50	15,0	6,0	TAN
1837	3	20	7	45	0,0	37,60	23,60	33,0	6,4	UOA
1837	8	15	0	0	0,0	38,00	22,00	33,0	6,1	UOA
1840	7	2	16	0	0,0	39,60	44,10	22,0	7,3	TAN
1840	10	30	0	0	0,0	38,00	21,00	33,0	6,8	UOA
1841	10	6	2	30	0,0	40,85	29,05	0,0	6,2	TAN
1842	4	18	8	30	0,0	36,60	22,30	33,0	6,7	UOA
1844	0	0	0	0	0,0	40,98	34,80	15,0	6,0	TAN
1844	5	12	0	0	0,0	41,00	35,00	18,0	6,2	TAN
1846	3	28	15	0	0,0	36,00	25,00	33,0	7,7	UOA
1850	0	0	0	0	0,0	39,90	43,30	20,0	6,3	TAN
1850	1	13	18	30	0,0	38,00	23,00	33,0	5,8	UOA
1850	4	19	23	30	0,0	40,10	28,30	0,0	6,2	TAN
1851	0	0	0	0	0,0	40,03	28,40	15,0	6,0	TAN
1851	10	12	7	0	0,0	40,70	19,70	33,0	6,6	UOA
1852	7	24	0	0	0,0	39,90	41,30	12,0	6,3	TAN
1853	8	18	8	30	0,0	38,30	23,60	33,0	7,0	UOA
1854	7	30	1	30	0,0	39,60	20,60	33,0	6,4	UOA
1855	2	28	2	30	0,0	40,10	28,60	0,0	7,1	TAN
1855	7	3	0	0	0,0	41,90	19,60	33,0	6,6	UOA
1859	6	2	0	0	0,0	40,00	41,30	10,0	6,6	TAN
1859	8	21	11	30	0,0	40,30	26,10	0,0	6,8	TAN
1861	12	26	6	49	0,0	38,30	22,30	33,0	7,3	UOA
1862	6	21	4	57	0,0	36,60	25,00	33,0	7,0	UOA
1863	0	0	0	0	0,0	38,50	30,60	10,0	6,4	TAN
1864	6	14	3	0	0,0	41,00	25,00	33,0	7,0	UOA
1864	7	17	0	0	0,0	38,60	23,60	33,0	6,1	UOA
1866	2	6	0	0	0,0	36,00	23,00	33,0	6,1	UOA
1866	6	20	14	0	0,0	38,50	41,00	23,0	6,9	TAN
1866	12	6	16	25	0,0	42,00	23,00	33,0	7,0	UOA
1867	2	4	4	15	0,0	38,30	20,30	33,0	7,3	UOA
1867	10	22	20	30	0,0	39,30	23,60	33,0	6,1	UOA
1868	2	25	11	10	0,0	41,00	43,00	25,0	6,3	TAN
1868	4	23	3	30	0,0	40,00	42,50	17,0	6,2	TAN
1868	10	3	23	30	0,0	39,30	23,60	33,0	6,3	UOA
1869	9	2	12	0	0,0	40,70	43,00	6,0	5,5	TAN
1871	3	17	0	0	0,0	38,00	43,00	32,0	6,9	TAN

Declustered Catalog										
Year	**Month**	**Day**	**Hour**	**Min**	**Sec**	**Lat**	**Lon**	**Depth**	**Mw**	**Source**
1873	0	0	0	0	0,0	40,47	37,80	15,0	6,0	TAN
1874	5	3	7	0	0,0	38,50	39,50	14,0	7,2	TAN
1875	5	4	0	0	0,0	38,10	30,20	16,0	7,4	TAN
1881	9	28	0	0	0,0	40,60	33,60	15,0	6,0	TAN
1884	2	10	5	0	0,0	37,80	42,40	30,0	7,0	TAN
1886	8	27	21	30	0,0	37,00	21,30	33,0	8,2	UOA
1888	9	23	12	30	0,0	40,90	42,80	12,0	5,5	TAN
1891	4	3	0	0	0,0	39,10	42,50	13,0	6,2	TAN
1893	3	31	0	0	0,0	38,30	38,50	21,0	7,1	TAN
1894	5	14	0	0	0,0	36,60	35,60	30,0	6,2	TAN
1896	9	22	3	53	0,0	41,60	45,00	30,0	6,3	TAN
1899	12	31	10	50	0,0	41,55	43,60	8,0	6,3	TAN

TAN - The Earthquake Catalogues for Turkey (Tan et al., 2008)

UOA - The University of Athens (UOA, 2011)Declustered Catalog

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
1	2100-1700 B. C.	31.36 35.47		Sodom, Juduca; Sodom and Gomorrah(the name of the two Sumerian cities that are beleived to have been under the River of Jordan before 3600 year). The evidence of its demolotion is between the years of 2100 ve 1700 BC. The archeological evidence for the demolotion of Bab el-Dhra ve Numeria shows the dates of 2350 and 2070 B.C.		4
2	1500 B.C	35.0 34.0	VIII	An earthquake that destroyed Venus temple near Paphos in Cyprus	b	1
3	1400 B.C.	31.85 35.46	VII	Jericho; It is beleived that an earthquake happened during the occupation of Israel of Jericho. This event caused the strong walls of Jericho to collapse, allowing Joshua to take possesion of the place and burn it down. The Bible the only literature for this earthquake, does not attribute the collapse of the walls of Jerciho to an earthquake, but rather to the besiesing Israelities. If the timeline of the Bible is followed, then the invasion of the İsraelities şnto Plaestine is usualyy placed 440 years before foundation of the Temple in Jerusalem by Solomon in 960 B.C. Jericho, therefore, would have been destroyed about 1400 B.C., but not necessarily by an earthquake. Alternatively, if the views of those scholars who have attemped to reconcile the description of events with Egyptian history are accepted, a date of 1260 B.C. is inferred. Another option would be to follow those who reject the historcity of Joshua in favour of belief in peaceful conquest and accept a date far later than 1400 B.C.		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
4	1274-1234 B.C.		VII	Nineveh, Mesopotamia; It is written; in a tabloid that were found in this region, that a large earthquake occured. In another tabloid after 150 years mentions that a second shock also occured in the same region. The earliest documented, Assyrian earthquake ruined the Great Gate of the Lions' Heads of the Great Court of the Temple of Ishtar in Nineveh. It was subsequently restored by Shalmasener I, who was the king at that time.		4
5	1187-1150 BC		VII	Nineveh,Mesopotamia; The evidences indicates that a few earthquakes occured in these years.A severe earthquake in Nineveh ruined the Great Gate of the Lions' Heads again in the reign og Ashur-dan. It is probable that his granson, Ashur-rish-ishi, pulled down some of the ru,ns and rebuilt the entire place on grander scale. There is also archeological evidence for an earthquake at that time. Mallowan, describing the remains of the palace of Fort Shalmaneser in Callah(modern Nimrud), only 30 miles fro Nineveh, shows that the palace was built and rebuilt in phases.		4
6	1181 B.C.			This earthquake which was not identified in Egypt is mentioned by the authors of 19 century and must be confirmed.		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
7	c.759 B.C.	31.69 35.30	IX	Judaea; Among Biblical earthquakes the mid-eight-century-B.C. Earthquake known as "Amos","Zechariah's' or 'Uzziah's' earthquake is an important event. Modern writeres date the earthquake to 759 B.C. And assign to it a very large magnitude of ML(sic.)8.2, with an intensity in Jerusalem between VIII and IX(Ben-Menahem 1979). In addition, this event is said to have been associated with coseismic left-lateral offset of the Jericho fault, which is a segment of the north-south trending strike-slip Dead Sea Fault Obviously, such an important earthquake deserves authentication and its effects, reappraisal.		
8	590 B.C.	33.26 35.21		An earthquake in Tyrus in North of Akka in Syria.	d	1
9	525 B.C.	33.56 35.39	IX	A destructibe earthquake in Syria. Tyrus was completely destroyed. Extensive damage in Sidon.	d	1
10	396 B.C.	36.0 36.0	V	A strong earthquake in Antioch.	d	1
11	354 B.C.	35.41 36.39	VIII	There were probably detructive earthquakes in Asia Minor during the time of Alexander the Great(336-323 B.c.), one of which destroyed Apamea in Phrygia(Str.v.514)		
12	307 B.C.	33.0 35.0	VII	Tyr, Sidon, Lebanon		4
13	287 B.C.	33.0 35.0	VII	Tyr, Sidon, Lebanon		4
14	222 B.C.	37.0 28.0	X	Cyprus, Tsunami		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
15	198 B.C.	38.0 28.0	X	Sidon, Phoenicia, Syria; There is fragment of Posidonious which records that a series of shocks was felt n the region of Sidon and, less strongly, in Syria, Posidonius who was born about sixty years after the event was one of the greatest scholars of his time.: "As a result of an earthquake in Phoenicia, a city above Sidon was swallowed up, and almost two thirds of Sidon itself collapsed, but the number of victims was limited, because it did not happen in a single shock. The same disaster struck the whole of Syria, but with moderate intensity". A series of earthquakes destroyed a town further inland from Sidon, which is not named and caused the destrcution of two thirds of Sidon itself, though without great loss of life. The same happened throughout Phonecia to a lesser degree. This earthquake in Sidon is mentioned by an early-first-century-B.C. wirter just before two other earthquakes in Rhodes and Eubıe and it may belong to the beginning of the second B.C. While this cıuld be taken as an indicationof the date, it is more likely that the connection is thematic.		2,4
16	185 B.C.	36.50 28.00	IX	Antioch, Syria		4
17	c. 180 B.C.	37.0 28.0	VIII	A destructive earthquake in Cyprus some time before 180 B.C. İs mentioned in a prophecy. It is not found in other sources, so it may be spurious.	b	1,4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
18	02/21/148 B.C.	36.0 36.0	VI	Damage in Antioch; The earthquake happened at 10 in the morning, on 21 Peritos(February) in the eight year Antiochus, 152 years after the foundation of the city. An unspecified disaster or an earthquake damaged the Antioch. In describing this event, the sole sources uses the expression "theomania"(wrath of the God), which usually means an earthquake, and since the city was apparently destroyed and entirely built with imprvements, in the absence of any other possibilities an earthquake is the likely cause.	d	1,4
19	140 B.C.	33.0 35.0	VIII	Akka , Syria		4
20	139 B.C.	32.92 35.081	VII	Following the battle between Tryhon and Sarpedon, while the latter was marching with his army along the coast of Lebanon, a sea wave flooded the shore between Ptolemais(Acre) and Sidon, engulfing and drowning his men. Strabo says that when the water receded it left behind a pile of fish among the dead bodies. This battle probably took place abput six years after Alexander Balas' death in 145 B.C.(Clinton 1830, v, 327). However, the sequence of events for the years following Alexander's death would put the evnt between 138 B.C. and 125 B.C(Pauly. W. iv, 2, col.2800). There is no evidence that this event was connected with earthquake. Yet again, modern wirters assign to it not only a seismic origin, but also a magnitude of M 7.0. Assuming that such a large event in fact occured, it should have caused havoc in the coastal area of Southern Lebaneon and Palestine, for which there is not a hint in the sources.		

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
21	02/28/92 B.C.	35.00 38.00	V	Levant;An earthquake shock coastal areas of Syria, Cyprus and Egypt. Ben-Menahem (1979, 289) places a large-magnitude earthquake w,th an epicenter south east of Cyprus and dates it to 28 February 92 B.C. He says that a lerge seismic sea wave hit the Levantine cities and that the associated shock was felt in Syria and Israel, assigning to it a magnitude of Ms=7.1. This earthquake was also felt in Egypte.	b, d	1
22	69 B.C.	35.00 38.00	IX	Syria; The earliest source for this earthquake in Syria is Justin, a third-century-A.D. Chronicler. He says that as a result of the earthquake several Syrian cities, which are not named, were destroyed and 170000 people killed. He adds that this disaster was taken to be a portent of coming changes, impliying that the event took place soon after the evacuation of Syria by Tigranes in 69 B.C.(Just.x1.2,271)		4
23	65 B.C.	35.00 38.00	IX	Antioch , Syria; Reliable evidence of an earthquake in Syria and at Antioch. In his Epitom of Trogus, Justinus refers to what Pompeus Trogus had to say about a destructive in Syria which caused thousands of deaths; "Altough Syria was safe from enemy attack, it was devastated by an earthquake, which killed one hundred and seventy thousand people and destroyed many cities".		2
24	44/32 B.C.	35.183 33.9		An alleged earthquake in Palestine. This event is said to have happened during the rign of Aıgıstıs(44 B.C.-A.D.14), destroying the city of Salamis in Palesitne, which Augustus rebuilt, renaming it Diospolis.		
25	37 B.C.	36.0 36.0	VIII	Antioch		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
26	31. B.C.	31.69 35.30		Judaea; An earthquake in Judaea. According to Josephus, the only coeval source that mentions the event, an earthquake in Judeae at the begining of the spring in the seventh year of Herod(31 B.C.) caused great destrcutionof cattle, killing 30 000 men when their houses collapsed, while the army, which was lodged in the field, escaped unhurt(Joseph. BJ. I, 369/LCL.i,172; Joseph. AN.xv.5/LCL.vii,58-60). The earthquake happened when war in Plaestine was its peak. Authors of later studies, which were based on archelogical dating, date the demise of Tell Hesban to about A.D. 130. Finally, Sieberg, who incidentally, does not quote his source,places the epicentral region of 31 B.C. earthquake in Lake Genesareth(Galilee), as a result of which he claims Chammath(Tiberias) was ruined(Sieberg,1932), for which there is no evidence. Ben-Menahem assigned to this earthquake a magnitude of 7.0, which together with equally spurious magnitudes of other historical earthquakes, he used to derive regional-frequency magnitude relations and to estimate the variation of slip and creep along the Dead Sea Fault during the past 4500 years(Ben-Menahem 1981)		
27	26 B.C.	37.0 28.0	VII	An earthquake caused damage in Cyprus. It affected particularly Paphos.	b	1

Historical-cataloque_KOERI						
No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
28	27-24 B.C.	37.83 29.10	VIII	A destrcutive earthquake strcuk the Menderes Valley in historical Caria in Asia Minor. Laodicea ad Lycus(Denizli) was destroyed, and also received an imperial benefaction. It is likely that Carura, on the border of Phrygia and Caria, about 20 km northeast of Sarayköy, was also destroyed(for the earthquake story of the tarvelling pimp). Tralles in the Menderes Valley , 100 km west of Laodicea , was damaged; the gymnasium and other parts of the city fell, and it was re-founded by the Emperor Augustus, the region receiving money for reconstrcution.		4
29	15 B.C.	34.76 32.41	IX	A destructive earthquake laid Paphos in ruins. Many other towns in the Island were damaged. Paphos rebuilt by Roman emperor Augustus. Intensity distirbutions are as follow: IX at Paphos, and Curium, VIII at the other towns.	b	1
30	1 A.D.	34.73 32.70	VII	Serious damage in Paphos and Amathus.	b	1
31	6-13 A.D.	37.83 29.10		Laodicea; An earthquake in Asia Minor damaged Laodicea seriously enough, in the case of Thyatria, to necessitate imperial aid for repairs and reconstrcution. The sole source for this event is Suetonius, who lists two more towns in Asia Minor that needed aid for the repair of earthquake damage, namley Chios and Thyatira. However, It was thought that all cities were not damaged by the same earthquake.		
32	19 A.D.	34.0 35.0	VII	Lebanon		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
33	33 A.D.	31.783 35.21	VII	Jerusalem; This earthquake(s) which is said to have occured during the Crucifixion and Resurrection of Christ in Jeusalem, caused darkness of over all the land, toms to open and the ground to split open. The source for this information is the Gospel according to St. Matthew, who mentions two earthquakes. The first, which occured at the tme of Crucifixion, caused rocks tombs to break open, revealing the bodies of Just, who then rose after Christ's resurrection. The earthquake symbolises both Natyre's response to Christ's death and foretelling of the Resurrection. The second earthquake occured after the Resurrection and thus permitted the women to enter into the tomb and verify the absence of Christ's body.		
34	23/03/37 A.D.	36.0 36.0		It happened in the morning on 23 Dystrus, that is to say March in the eighty-fifty year of the era of Antioch, early in the morning. The Daphne area was also damaged, and Gaius(Caligula) gave a great deal of money to the city and surviving inhabitants".		2
35	41-54 A.D.	36.0 36.0	VII	An earthquake caused heavy damage in Antioch. The temple of Artemis, Ares and Hercules were 'rent asunder', and many houses of important persons collapsed, as did the city's roofed collonades could be rebuilt. Malalas(Greek version) mentions that this event immediately after the Ephesus and Smyrna earthquake: at that time(tote)Antioch was shaken..."(Mal.CS 246). This could be taken to mean that Antioch was hit by an earthquake at the same time as Smyrna and Ephesus, but the Greek tote, "then", can have two meanings, just as "then" in English can mean either "at the exact same time" or next". The latter meaning is more typical of Malalas.		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
36	53	35.00 38.00	IX	A Large earthquake in Syria. Diana and Hercule were damaged at Antioch. Damaged areas extended to Lazkiye, Kalad el Müdük and Munbiç.	d	1
37	60 A.D.	37.83 29.10	IX	Laodicea; An earthquake late in 60 A.D. destoyed Laodicea(Denizli), as well as Hieropolis and Colossae near modern Pamukkale in Turkey. Laodicea suffered more than other cities, but, owing to its great whealth, was rebuilt out of its own resources without requiring any aid from the imperial governmet in Rome. Tacitus records that Laodicea was destroyed by an earthquake in Nero's seventh year; in which he made Tigranes king of Armenia(A.D.609: he adds that Laodicea was rebuilt out of its own resources, without asistance from Rome. Accord,ng to Eusebius,Laodicea, Hierapolis and Collosae all fell in the same earthquake. Since these cities are only a few miles apart, it şs quite possible that they were hit by the same earthquake.		4
38	68 A.D.			It is reported that the sea receded " a long distance" from Egyote and covered a great part of Lycia. No earthquake is associated this event.		
39	76	36.0 32.0	X	Cyprus , Tsunami; An earthquake destroyed three cities in Cyprus; probably Salamis, Paphos and Citium. The shock, which was felt in Antioch at about the same time and caused considerable concern, was perhaps the same event. Damage in Cyrpus was so severe that Rome transferred its mint to the Island as a relief measure. Many chroniclers record this earthquake. Saint Jerome writes that in Cyprus three cities collapsed in an earthquake, dating it to seventh year of theEmperor Vespasian's reign, which began on 21 December A.D. 75.Eusebius syas the same. Orosius synchronizes the earthquake with the Roman plague of A.D.77/78. Others even try to tie it in with the eruption of Vesuvius in the reign of Titus.		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
40	77	37.0 32.0	IX≤i≤XI	This earthquake is recorded in late but reliable soruces. The Chronican of Eusebius records that an earthquake struck Cyprus : " Three towns in Cyprus were reduced to ruins by an earthquake"Paulus Orosius writes: " In the ninth year of the reign (of Vespasian), three towns in Cyprus were reduced to ruins in an earthquake, and there was a great plague in Rome".		2
41	79	36.0 36.0	VII	Antioch		4
42	82 or 94	35.00 3800	IX	A large earthquake in Syria. Many buildings were damaged at Antioch. Aftershock continued 40 days.	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
43	97	36.58 33.92		Diocaesarea; Diocaesarea was completely destroyed together with Nicopolis during the reign of the emperor Nerva. It was the third time that Diocaesarea had had to be rebuilt, and this time destruction was total, the imperial government providing 800 pounds of gold for its reconstruction, after which it was renamed Anazarbus. Malalas records that this earthquake happened during the reign of Nerva (18 September 96-25 January 98) and that the emperor died before repairs were complete. Diocaesarea was first called Scynta (or Cyinda) and was destroyed during the time of the Roman consuls (during the first century BC); when rebuilt it was renamed Ciscus. It was destroyed again during the dictatorship of Julius Caesar (49-44 BC), who renamed it Diocaesarea when it was rebuilt. On this occasion, according to Malalas, the emperor Nerva sent Zarbus to construct a new city on the site, and the new city, which was better than before, was named Anazarbus after Zarbus (Mai. 267/405). Note 'During his [Nerva's] reign, Diocaesarea suffered from the wrath of God for the third time, as did Nicopolis and its district. So the emperor sent a Roman senator called Zarbus to rebuild it, giving him eight centenaria. When the senator Zarbus reached Cilicia, and saw the destruction, he put a great amount of energy into reconstructing the town, making it better than it was before- and so the city was named after him as a mark of the citizens' gratitude. He had previously called it Nerva after the name of the emperor.7 (Mai. 267/405).		

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
44	c.110/114 A.D.	31.00 36.00	VII	Jordan; Archeological evidence suggests an early-second-century destruction at Petra, Masada, Avdat and several other sites along thePetra-Gaza road(Russel 1985,40-41). However, there is no corroborating documentary or reliable archeological evidence to suggest that the damage was due to an earthquake or that these sites were affected by the same event.		1
45	12/13/115	36.0 36.0	IX≤i≤XI	Antioch was struck by a violent earthquake in the morning. Many cities were badly damaged; but Antioch suffered the worst destruction. First of all there came a sudden bellowing roar, which was followed by a tremendous quaking, and the whole earth heaved up, so that the buildings were thrown into air. Some came crashing back down in pieces, while others were tossed about as if by the surge of the sea, and their wreckage was scattered over latge areas of open country. Many people were hurt, even though some were outside their houses: they were snatched up, tossed violently about, and then dashed to the ground as though they had fallen from a criff. Some were injured and others killed. Even trees, with all their roots, were thrown into the air. It was impossible to calculate the numbers of those who were trapped in their houses and killed. Anticoh was covered with a thick cloud of dust thrown up from collapsing buildings, and rescue work was hampered by strong aftershocks, which continued for several days. Many of the rescuers were killed by falling debris, and all those who were left trapped in the vaulted colonnades apparently died of hunger. Damage extended to the suburb of Daphne; the whole twoncollapsed and its reconstruction was on a par with that of the capital of the province. The Temple of Artemis was heavily damaged and had to be rebuilt(Downey 1961, 216,218,292). The desctruction extended over a large area and included Apamea on the Orontes, 90 km south of Antioch, which suffered the same damageas Antioch. The other cities damaged are not named in the sources, but it seems that the earthquake was strong further		2,4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
				south of Antioch, where it caused considerable concern.		
46	117	36.0 36.0	VII	Antioch		4
47	130	36.0 36.0		A severe earthquake in Damascus. Aftershock continued up into next year.	d	1
48	220	36.0 36.0	VIII	Antioch was damaged by an earthquake. Many aftershocks occured followed the mainshock.	d	1
49	233	34.56 38.26	VIII	Palmyra; An earthquake happened in Palymra. The date at the and of the fragment, Iyar/May of Palmyrene year 545, gives us May A.D. 233; however, the context does not make clear whether this was when the inscription was put up or when the earthquake happened .	d	1,4
50	242 or 245	36.25 36.10		A severe earthquake in Antioch and Syria. Shaken area extended to Egypt and Iran.	d	1
51	272	36.0 36.0	VI f	An earthquake in Antioch and Syria.	d	1
52	290	37.0 36.0		Ceyhan Region(east of Adana)	e	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
53	05/14//300	36.91 34.9		Tarsus; This earthquake, which is recorded by Coronelli and occurred at Tarsus during the martyrdom of St Bonifacio		4
54	300-399 A.D.	36.46 34.15		Corycus; Earthquakes resulting in fatalities occurred in Corycus. No other details are known. A fragmentary epitaph from Corycus records the death in 'earthquakes' of two men named Asclepiades, father and brother of Apollonides. The epigraphy dates the inscription to the fourth century or later.		4
55	293/306	35.18 33.9	IX≤i≤XI	Salamis (Cyprus) seismic sea wave; the city of Salamis in Cyprus suffered from the wrath of God, and the greater part of it was plunged into the sea by an earthquake. The remainder was levelled to the ground.		2
56	303/304	33.0 35.0	IX≤i≤XI	Eusebius records an earthquake in 304 A.D. Sidon, Tyre, Syria; A terrible earthquake caused many buildings to collapse at Tyre and Sidon, and a large number of people were killed.		2
57	332	35.18 33.9		Salamis(Cyprus); There was a storng earthquake in Cyprus. Salamis was destroyed and lost a large proportion of its habitants.		2
58	334	36.0 36.0	X	Felt at large areas in Syria and in middle-east.40000 injured and killed. Damage at Antioch	d	1
59	340	33.88 35.51	VIII	An earthquake that caused damage and killed many people in Beyrouth.	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
60	341	36.0 36.0	VII	Salamis , Antioch was damaged, and an earthquake swarm occured with severe shocks. The earthquake during the second half of A.D. 341 caused the gretaer part of Salamis,on the east of Cyprus, to collapse and the rest of the city to slump into the sea, killing many people. Paphos was so badly damaged by the earthquakes of A.D. 332 and 341 that it was nor rebuilt for some time. The earthquake, which proabaly had an off-shore epicenter, was felt over a large area on the mainland, causing great concern in the region of Antioch. Aftershocks lasted for three days, although one source claims that tey continued for a year afterwards. The emperor Constantius I re built the Salamis and gave money to the survivors, remitting tribute for four years and erecting new buildings. The earthquake happened immediately after the Synod held in Antioch during the summer of A.D. 341, and caused great panic in the city, alttough apparently no damage. It is obvious, therfore, why most contemporary and later chursh chroncilers link this event to Antioch rather than to nearby Cyprus, although many of them indicate that the earhquake also affeceted other places in the eastern Mediterranean regions including Cyprus.	d	1,4
61	342	35.18 33.9	IX≤i≤XI	Salamis (Cyprus; A violent earthquake struck Cyprus,and much of the city of Salamis was destroyed.		2
62	343	35.0 33.0	VIII	Cyprus		4

Historical-cataloque_KOERI						
No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
63	09/347	33.88 35.51		In this earthquake it is said tha much of Beirut was ruined, causing many pagans to accept baptism. This event is not menioned by other authors.		
64	349	36.0 36.0	VII	Antakya		4
65	348/349	33.88 35.51	VIII-IX	Berytus;A powerful earthquake destroyed struck Berytus in Phoenicia, and much of the city destroyed		2
66	370	34.76 32.41	IX≤i≤XI	Paphos, Cyprus		2

Historical-cataloque_KOERI						
No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
67	c.375 A.D.	34.76 32.41	VIII	An earthquake caused considerable damage in Cyprus. Paphos was left in ruins and it was not rebuilt for some time; and Curium, east of Paphos, seems to have been destroyed by the same earthquake. Libanius, writing in c. A.D. 380-381, laments a destrcutive earthquake in Cyprus. According to St Jerome, Hilarion found Paphos in ruins when he visited it the year after leaving Epidaurus(c. A.D. 370). This may have been the earthquake felt, without damage, in Antioch.The lates coins found in under a pile of fallen blocks at Curioum date from the second consulsships of Valentinianand Valens,which ended in A.D. 375. This evidence provides no single date that willfit all the sources; it is possible that Libanius, as an orator, is lamenting an earthquake in Cyprus years after it happened, but his wording suggests that it was fresh in people's minds thus recent. Clearly also, the evidence of St Jerome and numimatic evidence from Curium produce incompatible dates. It is perhaps significant that Zosimus misdates the A.D. 365 earthquake to A.D. 375, which suggests that he may have confused it with an earthquake in Cyprus. In this period, Cyprus, Crete, Anatolia and Egypt were damaged. At Paphos, Curium, Akrotiri in Cyprus, some of the buildings were destroyed. Particularly, considerable damage occured in Paphos and Akrotiri.	b	1,4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
68	c.388 A.D.	36.0 36.0	VI	An earthquake was felt in Antioch. Altough şt does not seem to have any damage, it did cause. This event alluded to by St John Chrysostom in his Homily on the Statues.He mentions an earthquake that may have occured during before the reign of The odosius, which began in A.D. 387. In Againist Julian, Concerning St Babyla(A.D.393), Chrysostommenstions an earthquake affected at least Daphne(near Antioch), and must have occured between burning of the Temple of Apollo(A.D.362) and A.D. 388 or 393. A reference elsewhere to an earthqauke that lasted for three days is generally taken to refer to an earthqauke in A.D. 396 in Antiochia.		4
69	394	34.76 32.41	VIII	A terrible earthquake in eastern Mediterranean Sea. Paphos and Salamis temples were destroyed.	b	1
70	395	36.0 36.0	VI	An earthquake damaged Antioch and other cities, probably severly, and may have caused loss of life. Aftershocks followed at least three days. Modern cataloguers say that the earthquake was felt in Constantinople or Antioch; but there is no literary evidence to support either sugestions.		4
71	434	35.00 38.00	VIII	Severe earthquake in Syria. Felt at Baalbek and Iran.	d	1
72	447			Severe earthquake in Gabala(Cebel)	d	1
73	450/457		IX	Tripolis(Syria)		2

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
74	09/13-14/458	36.25 36.10	VIII-IX	An earthquake in Antioch occured at about the fourth hour of the night, early on Saturday to Sunday on 14 September 458 killing a large number of people in the new quarter of the city. This had been newly been constrcuted on the island formed by the River Orontes, which had a large population, where no area was either vacant or unsed, but had been built up to excess by the empeors' generosity. The first second buildings of the palace collapsed, but others stayed standing, together with the baths, which had fallen into into disuse but became esential for washing because the other baths had been destroyed the earthquake. This was a severe earthquake along the Northern coasts of Syria in the night. Large part of Antioch was destroyed.	d	1,4
75	479	35.00 38.00	VII	A destructive earthquake in Syria. Many buildings were damaged.	d	1
76	494	35.00 3800	IX	Damage at 90 cities and villages in Syria. Lazkiye, Hygrapolis, Tripoli and Agathigum were damaged also.	d	1
77	500	35.00 38.00	VIII	Antioch and Syria were damaged. Effects on this shock extended to Palestina. Sellukiye and El Mucahir villages were also damaged. Felt at Urfa.	d	1
78	08/22/502	33.88 35.51	X	The earthquake happned in the night. Berytus, Ptolemais, Sidon, Tyre; a great fire appeared, not so much damage.		2
79	09/10/506	36.25 36.10	IX	Antakya , Samandağ,		4
80	518	36.9 30.68	VI f	Damage in Antalya	e	1
81	524	37.0 36.0	VI f	Damage in Misis and Ceyhan	e	1
82	525	34.0 36.0	VIII	Beirut		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
83	05/20-29/526	36.25 36.10	X	Antioch, Selecuia Pieria; The earthquake was followed by a great fire and caused thousands of deaths.		2
84	527	36.0 36.0	VI	Antioch		4
85	11/29/528	36.0 36.0	IX	Antioch, Laodicea(Syria); The earthquake lasted for one hour and was accopanied by a terrible roaring sound, so the buildings collapsed, as did the walls and some of the churches.		2
86	528	37.0 29.0	VII	Antalya		4
87	529	34.0 36.0	VIII	Large part of Beyrouth was destroyed.	d	1
88	529	36.0 36.0	IX	Antioch		4
89	532	35.0 38.0	X	A severe earthquake in Syria. Damaged area extended from Aleppo to Humus. 130000 killed. Shaken area extended to Euphrates.	d	1
90	07/09/551	34.0 35.0	X	Berytus, Botrys, Byblus, Sidon, Tripolis, Tyre, Arabia, Mesopotamia, Plaestine, Syria: Berytus was destroyed. The earthquake occured throughtout the land of the Palestina, in Arabia and in the land of Mesopotamia, Antioch. Tyre, Sidon, Berytus,Botrys, Byblus,Tripolis and parts of other cities were also suffered and large numbers of people were trapped in them. In the city of Botrys part of the mountain called Lithoprosopon, which is close to sea, broke of and fell into the sea.		2
91	553	36.0 36.0	VI f	Antioch was damaged	e, d	1
92	554	34.0 35.0	IX	Antioch, Beirut		4
93	557	36.0 36.0	V	A severe earthquake in Antioch	d	1
94	561	37.03 35.81	VIII f	Ceyhan and Surroundig area	e	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
95	565	33.0 36.0	VIII	A destructive earthquake in Syria, Aleppo, Apamea, Baalbek, Beritos and Damascus were damaged. Felt at Euphrates.	d	1
96	570	37 35.32	IX≤i≤XI	Anazarbus(Adana), Antioch, Syria; The violent earthquake is recorded in many Syriac and Greek sources. The earthquake caused a deep rumbling sound; and soot came down through the air like leaves from the trees. Almost the whole of Antioch collapsed.		2
97	579	36.0 36.0	VII	Antioch		4
98	580-581	36.0 36.0	IX	Antioch-Daphne; The tremors caused the total destruction of Daphne mid-day.		2
99	10/587-588	36.25 36.10	VIII-IX	Antioch; The disastorous earthquake caused thousands of deaths. This earthquake razed most buildings to the gorund. Later shocks caused it to lean towards the north, and so the timbers were displaced at an angle; and they colapsed when the dome, by the force of the tremor, returned exactly to its orinal position. Towers, churches were also damaged. About sixty thousands of people lost their lives.		2
100	601-602	35.0 38.0	IX≤i≤XI	Cilicia, Syria; Many cities were destroyed in Syria and in the territory of Rum, the earthquake caused the death of many people.		2

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
101	634	36.2 37.16	VII-VIII	Aleppo; Although the tremors which struck Jerusalem and Aleppo presumably occured in the same year(634 A.D), there have may been two seperate earthquakes, since the two cities are great distance apart.		2
102	639	36.0 36.0	VI	A severe earthquake in Antioch	d	1
103	658	35.0 38.0	VIII	Syria		4
104	6-659	35.0 38.0	VIII≤i≤X	Palestina, Syria;The earthquake caused the destruction in Syria and Palestina.		2
105	678	35.0 38.0	IX	Syria		4
106	02/28-03/10/713	36.0 36.0	VIII≤i≤X	Antioch, Aleppo, Qenneshrin, Syria: There was a tremor and a severe earthqauke, with the result that village and churches and many great cities collapsed on top of their inhabitants and killed them. Somehouses, villages and cities were swalled up. The quakes lasted for forty days, causing collapses among high buildings, and the houses of the city of Antioch also collapsed.		2
107	715	37.0 38.0	IX	Syria, Tsunami		4
108	716	36.0 36.0	VII	Antioch		4
109	12/24/717	35.0 38.0		Mesopotomia, Syria; The earthquake destroyed many places, including temples and churches and great buildings. It destroyed Beit Ma'de(Batnan) and the ancient church of Edessa. Even large and tall buildings collapsed on top of their inhabitants.		2
110	08/25/716-08/13/717	35.0 38.0	VIII	An earthquake in Syria. Antioch was badly damaged. Aftershocks continued 40 days. Damage in Urfa also.	d	1
111	09/11/747-08/30.748	37.0 38.0		A strong shock in Damascus. People have left the city.	a, c	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
112	08/31/748-08/19/748	37.0 38.0	VII	Several new shocks in Damascus. First shock damaged the Mosque and those that followed destroyed it.	a	1
113	750	37.0 38.0	VIII	Syria, Mesopotamia	b2	4
114	756	37.0 38.0	VII	Syria	b3	4
115	03/09/757	37.0 38.0	IX	Habura, Mesopotamia, Palestina, Syria; three villages near Habura collapsed.		2
116	771	36.0 37.0	VIII	Fırat Basin		4
117	775	36.0 37.0		An earthquake in Antioch.	d	1
118	791	36.0 37.0		An earthquake in Northern Syria, Aleppo and part of Palestina.	d	1
119	08/30/802-12/19/803	37.03 35.81	VII	An earthquake shook Misis. Its walls were badly damaged. Aftershocks continued 1 hour.	c	1
120	830	37.0 38.0		An earthquake in Syria	d	1
121	12/25/835	36.0 36.0	IX≤i≤XI	Antioch		2
122	09/18/844-09/06/845	37.0 38.0	X	An earthquake in Damascus, many perished under the ruins. The shock extended to Antiochand Harirah destroying both places killing 50.000 people. It shook Mosul also.	c	1
123	11/24/847	33.0 36.0	IX≤i≤XI	Antioch, Bayt *Lahya*, Damascus(Syria), A violent earthquake struck the Damascus and Antioch, causing serious damage and many deaths. It lasted for three hours, causing the walls to collapse.		2
124	06/12/853	32.79 35.53	VIII	An earthquake in Tiberias.	c	1
125	12/30/859-01/29/860	36.0 36.0	IX-X	Adana, Antioch, Syria; A violent shock which struck the Antioch, where 1500 houses and 90 towers collapsed, as well as many other towns along the valley of the river Orontes.		2
126	867	36.25 36.10	IX	Antakya		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
127	11/06/872-11/18/871	38.43 39.77	IX	Wasits on the Trigis was shaken and 20.000 people perished under their houses.	c	1
128	889	36.2 37.16		An earthquake in Aleppo.	d	1
129	894	37.0 38.0		An earthquake in Northern Syria. Felt near the Bay of Alexantrette and in Palestine.	d	1
130	06/09/951-05/28/952	36.2 37.16	VIII≤i≤X	A very destructive seismic activity affected Aleppo and other places. Tremors lasted 40 days, causing many victims and collapsed three towers.		2
131	04/27/955/04/14/956		IX	Egypt was shaken by an earthquake for three hours. It caused great damage and many houses collapsed.	c	1
132	03/25/958-03/13/959	37.0 38.0	VI	Jebbe in Syria and Egypt effected from Iran earthquake.	c	1
133	07/22/963	37.0 37.0	VIII	An earthquake caused damage in Northern Syria.	d	1
134	06/01/969	36.0 36.0	VIII≤i≤X	Antioch, Damascus(Syria); A strong earthquake suddnely occurred in Damascus and in the surrounding area. It caused many towers to collapse in the Antioch.		2
135	10/12/972-10/01/973	37.0 38.0	IX	An earthquake in Syria. Antioch was damaged and many castle were ruined.	c	1
136	10/02/973-09/20/974			An earthquake in Wasit	c	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
137	04/05/991	33.0 36.0	IX	It is said that in Damascus 1000 houses colapsed with loss of life, prompting the population to leave Damascus and camp in the desert. Dmage extended over a large area, including the region of Baalbek, about 40 km away, as well as Dumayr, where "neither great or small escaped"Baalbek, Damascus(Syria): In Damascus many houses collased as a result of this earthquake and the public forced to flee into the desert. More than 1000 houses collapsed, and a large number of people died. The earthquake also affected Baalbek. People left their houses to taje refyge in the desert, The shocks continued about one month, causing additional damage. Yahia and al-Makin have similar accounts of this earthquake and agree that the earthquake occured in Muharrem 17 a.H. 381, a Saturday night namely 4-5 April 991.		2,4
138	08/27/1016	31.78 35.21		The Dome of the Mosque of the Rock in Jerusalem fell down on 27 August an it was rebuilt. The sources do not mention an earthquake explicity, and it seems that the cause was unkown.		4
139	01/25/996- 04/26/1020				c	1
140	11/10/1002- 10/29/1003	37.0 38.0	IX	An earthquake in Syria, the Greek fronter and at Abasim. Many castle and houses were destroyed. The shock extended to the capitals and the ports of the regions. Damage at Urfa.	c, e	1
141	1029	37.0 38.0	VIII	A severe earthquake. One half of Damascus was destroyed.	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
142	1033	31.93 34.86	VIII	Ramla, An earthquake oocured in Palesitne . Much of the damage was sustained in Ramla, Nablus, Baniyas and Jericho. In Ramla, the earthquake caused great panic. A third to a half of its houses, including better-built buildings, collapsed and new houses had to be pulled down. Those remained were left shaky and rent.The earthquake ruined the Firday Mosque; an inscription of above one of the proches of the mosque commemorates the earthquake, which it says threw down many buildings with no injuries. This is completely contaray to the evidence of the aftershocks that brought the mosque down. Half of the city walls, having already been repaired , were wrecked and many people were killed. The survivors evacuated the town, joining the farm workers outside the city for eight days during the aftershocks. In Nablus half of the buildings collapsed, killing about 300 people, and the surrounding country was almost totatlly destroyed. A landslide overwhelmed a neighbouring village of al-Badan, with all its people and its livestock other villages met the same fate.		4
143	11/26/1033- 11/16/1034	31.92 34.86	X	Many earthquakes occured in this year. In Syria one third of Ramla was destroyed. The walls of Jerusalem collapsed and the temple was severly damaged. The mosque and its minarets at El-Gaalan at Gaza were destroyed. One half of the city of Nablus fell down and many villages in El-Badan were swalled up in the ground and disappeared. In Egypt the earthquake caused heavy damage.	c	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
144	1042	34.56 38.26	IX	An earthquake caused great loss of life in Tadmur in Syria. It is said that Baal bek was also shaken. This information is given by a single source, which does not comment on the effects on Baalbek, or specify whether Baalbek was shaken by a different earthquake. It is likely that the Tamdur earthquake was felt only at Baalbek. A-Suyuti (writng in the sixteenth century) records this event as happening in the same year as an earthquake in Tabriz. He does not comment on the effects on Baalbek, but since the two cities are 250 km apart,if Baalbek was not shaken by a different earthquake, it is likely that the Tadmur earthquake was felt there only. A large earthquake caused severe damage in Palmira and Baalbek. 50.000 people killed.	d, c	1,4
145	1053	36.0 36.0	VIII	Antioch		4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
146	07/30/1063- 08/27/1063	34.0 36.0	X	A severe earthquake in Syria. The walls of Tripoli were destroyed. The damage extended to Antioch, Latakia, Akkă, Tyre, Wasit. Sul and Laodice were affected by this earthquake. This eathqauke, probably from an epicenter offshore between Cyprus and the Syrian coast, occured in August 1603 and caused great concern and some damage both to Byzantine and to Muslim towns along the Syrian littoral. Maximum damage was reproted in Tripoli in Muslim territory, where part of gridle-wall of the houses in the town collapsed. There is no doubt that some of the houses in the town collapsed with casualities, but it is difficult to beleive those sources who say that Tripolicollapsed or razed to the ground, and that a large number of people perished. There is no report or perception of the shock east of the Mediterranean coast. A notice that the earthquake was felt at Wasit is the result of the source syncretising this event with the earthquake of June 1063 in Iraq.	c	1,4

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
147	03/18/1068	31.92 34.86	XI	Gulf of Aqaba and the Hejaz in northwest Arabia occured during the morning of Tuesday 18 March 1068. It is said that Aila(Eliat), at the head of the Gulf of Aqaba, was completely destroyed with all but 12 of its inhabitants. In Tabuk, three new springs f water appeared at a place called al-Qur, and in Taima the ground was split open. Near here a permanent and productive spring of water gushed out. The shock was also felt in Egypt, where Tinnis apparently suffered some damaged, but not in Alexandria. In Cairo, the only damage reproted one corner of the mosque of Amr in Fustat. Water rose in wells in Egypt and Palesitne, and the retreat and returned of the sea on the Mediterranean coast of Palestine drowned a large number of people(4).A catastrophic earthquake in Palestina. Ramla was destroyed. Only two houses remained and the earthquake caused 25.000 death. The shock extented to Jerusalem where the dome of Rock opened up but it closed again. Heavy damage at Wadi-Qorha and Kufah. The earthquake also affected to Arabia. At Tayma ground opened up and Ha'il was destroyed. At Hijaz the shock damaged the panels of the mosque. It extended to Wadi as-Safra, Khaibar, Badhr and Tabuk. Sharm Yanbu was also shaken. The sea retreated from the coast but soon returned again into its place(1)	c	1
148	02/25/1070	31.92 34.86	VIII	An earthquake in Ramla and its dependences. Egypt was also shaken. The shock was felt in Jerusalem and it was immediately followed by other earthquakes; two of which the same day.	c	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
149	1072	36.0 36.0	VIII	Antioch	c1	4
150	04/18/1086- 04/07/1086	37.0 38.0	VIII	During this period many earthquakes occured and many buildings were destroyed in Iraq, Syria and Mesopotamia.	c	1
151	1089	37.0 38.0	VIII	An earthquake in Syria. Severe damage at Palmira.	d	1
152	09/26/1091	36.0 36.0	VI f	A locally damaging earthquake in northernwest Syria during the night. It seems that Anticoh bore the brunt, suffering considerable damage and casualities. Many houses and the Church of Our Lady collpased, but there is no evidence, but there is no evidence that the shock caused great loss of life. A part of the rampart and 70 or 90 of its outer towers were ruined. The worst dama was to the northwest section of the city walls in the plain between the Gate of the Sea(Bab al-Bahr)and the Gate of Persia(Bab-Faris), which lost 32 tower. After the first shock, the people fled their homes for fear of aftershocks:it is unclear, however,howlong these lasted. As a result of the earthquake the River Orontes(al-Asi)chanegd its course, and flowed intothe center of the city, which added to the damage. This was porbably due to landslides triggered by the shock upstream of Antioch.	e	1,4
153	1092	36.0 36.0	IX	Antioch was destroyed,Between Antioch and Syria 90 villages were demolished.	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
154	10/13//1097	36.0 36.0		An earthquake was felt in Antioch. No details are known. This event noted by the mid-twelth-century Latin Chronicon Malleacense, which is more commonly known as Latin Chronicon S. Maxentii Pictavennis. The date is given, but the evidence of chronicle was based in Antioch.	d	4
155	10/05/1098	36.0 36.0		Another earthquake occuring in the region of Antioch.		4
156	12/24/1105	31.78, 35.21	VI	Jerusalem; An earthquake was felt in Jerusalem on Christmas Eve, probably late in the evening. It caused widespread fear,but no damange is recorded in the sources.		4
157	09/1108		X	Syria; A violent earthquake caused many important places to collapse. The location is not known, but it may well have been Syria. This event is reported by Micheal the Syrian(writing in the twelth century) who places it in a.S.1149 in the moth of ilul(September),but gives location. Give that he was Jacobite Syrian patriach, it may well have taken place in Syria. It is unlikely taht he is referring to the Armenian earthquake of winter 1108-9 since this event was in the early autumn.		

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
158	11/13/1114	37.0 36.0	VIII	Misis; The second shock of which there is no information occured on the southern part of the plain of Adana, in the Principality of Antioch. The earthquake destroyed a part of Misis(Mamistra) and allegedly all the towns in the surrounding area,causing loss of life. The neighbourhood of Antioch and the city itself suffered less, but in the suburbs of Antioch the ground opened up and a number of towers and houses nearby settled into the ground. Many other towns in Caleo-Syria, Isauria and Cilicia, the names of which are not given, were also affected. A severe earthquake; Damage in Antioch, Cyprus, Mezopotamia and Egypt. Aleppo also damaged.	d	1,4
159	11/29/1114	36.50 35.50	IX	The earthquake of 29 November 1114 occured at night and affected the Christian County of Edessa and Principality of Antioch, which lie around the present borders of southern Turkey and northern Syria. The shock occured at a time of almos continuous conflict between between Christians and Muslim states. It was strongly felt to the east and southeast in the neighbouring Muslim territory, as well as to the north in Armenian and Turkish states.Ceyhan, Antakya , Maraş(Tsunami)		4
160	06/07/1114- 05/26/1115	37.18 37.58	IX-X(d)	Thirteen settlements around Urfa were destroyed and the walls of Harran in Turkey collapsed. Samsat was comletely destroyed.	c	1
161	1127	33.0 35.0	IX	Lebanon		4
162	1128	33.26 35.21	VI	An earthquake caused damage at Tyrus and Gegend.	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
163	1135	37.0 38.0		An earthquake in Syria.	d	1
164	09/19/1137-07.09.1138	36.0 37.0	IX	An earthquake caused great damage in Syria, Mesopotamia and Iraq.	c	1
165	09/08/1138-08/27/1139	36.2 37.16	XI	As a result of earthquakes occured in Ganzah, 230.000 people perished. Aleppo and Egypt were also shaken.	c	1
166	10/29/1140	36.0 39.0	VIII	Syria		4
167	05/19/1144	34.73 32.70	VII	Paphos was ruined.	b	1
168	03/22/1152	37.0 38.0	VI	Sligth damage in Syria. Effects extended to Apamea.	d	1
169	03/18/1154-03/06/1155	34.0 36.0	VIII	An earthquake caused the water of Trigis to disappear for some time, at Wasit the waters turned red.	c	1
170	05/16-12/08/1156	36.2 37.16		A tremendous shock caused damage at Aleppo and Hamat.	c	1
171	1156		VI f	Damage in Malatya	e	1
172	02/13/1157-12/29/1158	35.0 36.0	VII, 4	Aleppo was destroyed. There had been also a big damage in Hamat Shayzar, Hims, Hısn-al Akrad, Antioch, Lataika and other places. In Shayzar, just two people were saved. Also, in Kalat-El-Müdik and Fahmyaah where the castle was swallowed up and many perished. The walls of several towns of Syria were destroyed. The public left their towns.	c, d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
173	09/25/1169- 09/13/1170	34.0 36.0	IX, 4	Walls and houses collapsed in Damascus,Hims Famyah, Aleppo and Baalbek. The earthquake also affected badly Syria and Mesopotamia in this perid. Slight damage in Palestina, Egypt, Alexandria, Mosul and Jerusalem.	c	1
174	1179	36.0 36.0	VIII	Antioch		7
175	1182	32.80 36.40	VI	Slight damage in Southern Syria.	d	1
176	1183	35.0 32.0	IX	Fifteen churches destroyed in the province Paphos(Cyprus). Intensities: VIII at Paphos, IX in NNE of Paphos.	b	1
177	1190	37.0 33.0	VIII	Konya		7
178	1190	36.0 36.0	VIII	Antioch		7
179	12/06/1195- 11/23/1196			Felt all over Egypt. Mecca was also shaken.	c	1
180	07/05/1201- 08/02/1201	37.0 38.0	XI	An eathquake occured which more particularly affected Upper Egypt and Syria, where it caused great destruction. Most of the castle on the Syrian coast were destroyed. It extended to Mesopotamia, Greek Empire and Iraq. Tripoli, Tyre, Acre, Nablus were completely destroyed and 300000 people perished. Most of the castles of Baalbek collapsed and the mountains were rent asunder. The shock was felt also to Cyprus and it was felt in Armenia and Azerbaijan. The estimates showed that this earthquake caused 1.100.000 deaths.	c	1
181	04/26-05/24/1202	37.0 38.0	VIII-XI d	The earthquake destroyed the castle of the Kurds at Hims. The shock extended to Nablus, Mesopotamia and Cyprus.	c	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
182	09/10/1203- 08/28/1204	36.0 37.0	VIII	Egypt, Mesopotamia, Syria, Iraq, the Greek Empireand Cyprus were shaken by an earthquake, which extended to Sabka in Syria and North Africa. Slight damage in Cyprus.	c	1
183	1205	39.0 36.0	IX	Ulucami mosque at Kayseri was damaged. Epicentre in associated with the border fault of the Ecemiş-Kayseri depression area.	e	1
184	06/15/1211- 06/02/1212	36.0 36.0	VI	Egypt were shaken by a severe earthquake, which caused to the death of many people. The effects extended to Antioch.	c, d	1
185	05/1222	35.0 32.0	IX	An earthquake caused great damage at Limasol, Nicosia and elsewhere. Paphos suffered most. The affects extended to Kilis in Turkey.Tsunami	b	1
186	05/30/1226- 05/27/1226			An earthquake in Egypt	b	1
187	08/08/1304	36.50 27.50	X	Rhodes ,Crete, Cyprus		7
188	1336	36.2 37.16	VI	Damage in Northern Syria.	d	1
189	1248	37.0 38.0		An earthquake in Syria.	d	1
190	1254	36.2 37.16	VI	An earthquake that caused damage in Northern Syria.	d	1
191	12/29/1258- 12/17/1259			An earthquake in Egypt	c	1
192	11/04/1263- 11/23/1264			An earthquake in Egypt	c	1
193	1267	35.16 33.36	VIII	As a result of this earthquake, a church in Nikosia was damaged.	b	1
194	09/10/1268- 08/30/1269	37.0 36.0	VIII	The earthquake caused damage at Kozan/Adana region. Many castles and many people perished. The earthquake was also felt at Cyprus.	c	1
195	1269	37.0 38.0	VIII	Syria		7
196	1274	37.0 38.0		An earthquake in Syria.	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
197	1281	37.0 38.0		An earthquake in Syria.	d	1
198	1281	36.2 37.16		An earthquake in Northern Syria. Felt at Palestina.	d	1
199	1287	36.0 36.0	VIII	Lazikiye		7
200	1292	37.0 38.0		An earthquake in Syria.	d	1
201	01/11/1293- 02/08/1293	31.92 34.86	VIII	Ramla,Lod, El Kerk and 3 villages destroyed. Gaza damaged also.	c	1
202	12/02/1293- 11/20/1294			An earthquake in Egypt	c	1
203	08/14/1303	37.0 38.0	X	Egypt and Syria were struck by a violent earthquake; many people perished under the ruins and Alexandria was submerged under the sea. During one of the aftershocks, in Nicosia the catedral of Santa Sophia was damaged and the public panicked.	b; d; c	1
204	1304	37.0 28.0	X	Cyprus		7
205	1319	39.0 36.0		Damage in Antioch was caused by high winds. Three hundred olive trees on the Bald Mountain above Antioch were flattened by strong wind, which eroded the topsoil. It was also reported that a wind hasd"swept away" the nearby Monastery of Simon, "causing it to disappear without a trace, stones, animals, provisions and all".		

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
206	1335	39.0 36.0		Kayseri; There is some evidence that an earthquake caused damage in Kayseri in about 1335. This is based on the information that the Kuliik mosque is said to have been repaired or rebuilt after it had been destroyed by an earthquake in 735 a.H. (21 August 1335 to 9 August 1336). This event is noted by a modern author (Kuran 1969), whose source is an earlier historian who was apparently told that a waqf document from the mosque related its destruction by earthquake in a.H. 735 (21 August 1335 to 9 August 1336). This can hardly be described as reliable evidence. However, the destruction of the GulIuk mosque in an earthquake is given, without sources, in a. modern history of Kayseri (Palamutoglu 1987, 22) and also alluded to in a local Greek source, which refers to some Greek churches in the region, which are not named, which were restored in 1334; but no reason for their damage is given (Levidis 1885). Note:'Kuliik mosque got its name from Semseddin, who repaired it after it had been destroyed in the earthquake of a.H. 735 [21 August 1335 to 9 August 1336]Uref. 52 H. Edhem, 1915, 'Kayseri jdiri' 32, who says that this information was told him by someone who said that this was what the vakuf (waqf) document had said (.')). An inscription says that the mosque was also repaired in 607 (1210); (Kuran 1969,12-14).		4
207	07/20/1338	37.0 38.0	V	An earthquake in Syria; Severe damage in Tripoli felt in Palestine.	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
208	01/13-02/11/1339	37.0 38.0	VII	An earthquake in Syria; Tripoli was affected badly.	c	1
209	05/26/1343	37.0 38.0		An earthquake in Syria and Egypt.	c	1
210	1344	37.0 38.0		An earthquake in Syria and Egypt.	d	1
211	1355	32.0 35.15		An earthquake in Syria and Palestina.	d	1
212	09/28/1364- 09/17/1365			Earthquake in Cairo.	c	1
213	06/23/1373- 06/11/1374	37.0 38.0	VII	Slight earthquake in Cairo. Damage in Syria. Felt at Palestina.	c	1
214	07/17/1386			A slight earthquake in Egypt.	c	1
215	1402	37.0 38.0	VIII ,4	An earthquake in Syria. Seismic sea waves occured in the coast.	d	1
216	12/16/1403- 01/13/1404	36.2 37.16		Earthquake at Aleppo and surrounding settlement region.	c	1
217	11/05/1404- 12/04/1404	36.2 37.16		An earthquake in Aleppo.	c; d	1
218	12/20/1408- 01/17/1409	36.2 37.16	VIII	Many perished near Aleppo and Tripoli.	c	1
219	12/26/1421- 12/14/1422			Earthquake in Cairo.	c	1
220	06/18/1425- 07/16/1425			A severe shock occured in Egypt.	c	1
221	11/04/1434- 12/02/1434			Earthquake in Cairo.	c	1
222	1457 or 1481	37.0 38.0	VI	Slight damage in Syria. Felt at Palestina and Kilikia.	d	1
223	03/18/1481		VI	A severe earthquake in Egypt. Damage in Anatolia and Cyprus	c	1
224	03/29/1484-	36.2 37.16		An earthquake in Aleppo.	c	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
	04/24/1484					
225	04/25/1491	35.33 33.0	IX	A destructive earthquake in Cyprus. Nicosia, and Mesaoria region were destroyed. Damage in Limasol, and in Paphos, but not improtant. No damage in Famagusta. The intensity assigned for Nicosia is VIII and for Paphos is V.	b	1
226	1514	35.0 33.0	VII	Cyprus, Damage at Malatya	e	1
227	1546	35.0 33.0	VII	Santa Sophia church was ruined again (Nicosia).	b	1
228	1513-14	36.0 36.0		A large earthquake in Antakya		7
229	1542	35.0 33.0	VI	Cyprus		7
230	1547	35.0 33.0		An earthquake in Nicosia.	b	1
231	1566	37.0 38.0	VI	Slight damage in Syria. Felt at Cyprus.	d	1
232	04/25/1567	34.73 32.70	VII	An earthquake sequence in Cyprus. Damage at Limasol and Paphos. Felt at Nicosia and Famagutsa.	b	1
233	1568	35.0 33.0		Kıbrıs, Limasol and Suriye		7
234	1569	35.0 33.0	V	Felt in all Cyprus. There was no damage.	b;d	1
235	1572-73			A violent earthquake in Musul		7
236	11/5/1575			A destructive earthquake in Northern Anatolia		7
237	1577	35.18 33.9	VIII	Slight damage in Northern Syria. Extended damage to Palestine and Kiliki. It caused damage at Nicosia, Salamis and Curium.	b;d	1
238	1579			A destructive earthquake in Çorum and Amasya		7
239	1583	34.66 33.03	VIII	Limasol was ruined.	b	1
240	1598			Amasya and other cities were destroyed. The earthquake caused 600000 dead in just 2 cities.		7

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
241	04/1609			As a result of the earthquake that occured in Rhodes, the people more than 10.000 got drowned by the sea waves.		7
242	3/7/1610	36.2 37.16		The earthquake caused a big damage in Aleppo and surroundings.		7
243	7/22/1616	36.2 37.16		A strong earthquake in Aleppo.		7
244	08/27/1616	36.2 37.16	VI	Slight damage at Aleppo.	d	1
245	1620			An earthquake in Musul		7
246	01/21/1626	36.2 37.16		The earthquake caused a big damage and many dead in Aleppo and Gaziantep.		7
247	1640	37.0 38.0		An earthquake in Syria. Effected Tabriz, Iran and Damascus.	d	1
248	06/07/1651			A destructive earthquake in Denizli		7
249	02/22/1653			A large earthquake in Denizli		7
250	1656	35.0 38.0		An earthquake in Tripoli and Palestina.	d	1
251	10/1660			A shock in Rhodes		7
252	1660-61	37.0 38.0		An earthquake in Syria		7
253	1666	36.2 37.16	VII	A severe earthquake in Aleppo	d	1
254	08/17/1668			An earthquake in most places in Norhtern Anatolia		7
255	03/22-23/1680	36.2 37.16		Slight earthquake shocks in Aleppo.		7
256	1685-86			A large earthquake that caused damage in Rhodes tower		7
257	1703	38.0 29.0	VIII	Denizli		7

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
258	07/09/1704	39.0 36.0		A large earthquake in Kayseri ;A marginal note on a contemporary Ottoman travel account reveals that there was a great earthquake in Kayseri at 7 am on a certain Monday in Safar a.H. 1116 (smudges on the page make the date impossible to read with certainty) (Resm-i Kayseriyye, f. 165v). Mondays in Safar 1116 fell on the 5th, 12th, 19th and 26th; the most likely reading is 5, which would date the event 9 June 1704. The text does not explicitly mention Kayseri as the site of the earthquake, but juxtaposition of this event with the description of the Kayseri earthquake of 15 November 1717 suggests that this is a correct assumption. There is no other source for this event.		7
259	12/26/1706			A large earthquake in Konya		7
260	1714	39.0 36.0	VII f	Damage at Kayseri	e	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
261	05/09/1717	39.0 36.0	VI	The earthquake that occured in Kayseri and its surroundings caused a big damage and dead more than 8000. An earthquake in Kayseri and the surrounding area, which caused great damage and the death of 8000 people, is described thus in an eyewitness account: 'on Friday, 27 Jumada I a.B. 1129 [9 May 1717, a Thursday], at daybreak, there was again a great moan and the world was about to sink into the ground. We had seen many earthquakes [but] we had heard none like this... morning prayers were happening, it was the 6th day of the prayer for rain. We went to pray and while we prayed [the earth] trembled five or six more times, but the first was stronger. After this, at the same time on the following Friday night there was again a great earthquake, in short, it did not stop for 10 or 15 days. [In] Erkilet houses were in ruins, and in Muncusun; Molu was ruined as was the city; in Molu 170 died, in Erkilert 2861, in the city 5300 and in Muncusun 9...' (Resm-i Kayseriyye 165). A contemporary Ottoman chronicler mentions this event under a.H. 1129 and says that in Kayseri the shock caused the destruction of buildings and the"death of most of the inhabitants (Katib Gelebi, Takvim, 150). Near-contemporary Arabic sources also mention this earthquake, which is said to have destroyed half of the city of "Kayseri of the land of Rum', together with four villages of its district; the event is dated, however, to Saturday 26 Jumada II a.H. 1129 (7 June 1717, a Thursday); the sources are in Taher (1974, 67,71). Armenian sources refer to an earthquake in 1717 that aroused great concern in the region .of Korgun (Kor-gan/Kozan/Sis) and at Hadjin (Saimbeyli), not so much because of the damage it caused but because of its long duration (Riggs 1909, 8). This information, which suggests that damage extended southeast of Kayseri, is supported by a report implying that damage extended to the region of Sis (Kozan); it says that 'in the same year, 1717, on 7 May, there happened an earthquake in the city of Sis in Asiatic Turkey in which died 12[?f (Anon. 1732a, 66)		7

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
261	05/09/1717	39.0 36.0	VI	The damage in the district of Kayseri was such that the tax burden on the people of the town was ordered to be reduced for one year after they had petitioned the Sultan, saying that most of the walls of their houses needed repair and they needed help (MKA Kayseri KS119.36).The author of an early-nineteenth-century history of Kayseri writes, without citing his source, that the earthquake of a.H. 1129 caused the collapse of the dome and arches as well as of the columns and walls of the Great Mosque; he quotes the text of a repair inscription dating from a.H. 1135 (1722-23), which was affixed to the Great542 Catalogue of earthquakesMosque and states that the structure was repaired after it had suffered damage in an earthquake - which he assumes to be that of a.H. 1129 (1717; Palamutoglu 1987, 14-15 The mescid in Erkilet was also damaged, and rebuilt by the vezir Mehmet Pa§a. A repair inscription is dated a.H. 1130 (Cayirdag 1988,273). The people of Erkilet also petitioned the Sultan, reporting that their property had been destroyed (MKAK Kayseri KS 119.18), while those in the dependent villages of Kara Mehmet Bey were awarded remission of their taxes (MKAK Kayseri KS 119.18).There is no evidence for the destruction of other public buildings, or for the ruin of 'half of the city''; the loss of 5300 lives in a town that at the time would have had a population of about 25 000 seems to be rather exaggerated, unless this figure refers to the population of the Kayseri region.Petitions were also sent to the Sultan on behalf of Kayseri janissaries who had*gone to campaign in Europe and whose families and goods had in their absence been buried as a result of the earthquake, both in the city and in the villages; they were granted compassionate leave to retum¥ome"(MKAK Kayseri KS 119.14).		7
262	1718	35.0 33.0	X	Destruction at Nicosia and Messaoria Valley.	b	1
263	1719	37.0 38.0	VIII	An earthquake in Syria. 3 mosque and 200 houses were damaged.	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
264	1722-23	36.2 37.16		Aleppo, The earthquake caused the destruction of the many houses and the death of many people.		7
265	04/15/1726	36.2 37.16		3 shocks felt at Aleppo and Alexandrette were shaken. Damage at Antioch.	d	1
266	1735	35.0 33.0	VIII	Important damage in Cyprus. Santa Sophia church ruined and 200 people died in Famagusta.	b	1
267	1737	36.0 36.0	VII	An earthquake at Antioch	d	1
268	09/25/1738			The earthquake caused a big damage in Elmadağ and Uşak regions.		7
269	01/31/1741			It was a violent earthquake that occured in Rhodes.		7
270	1741	35.0 33.0	VI	Minaret ruined in Famagusta	b	1
271	03/04/1743			Large earthquakes occured in Cyprus in these days.		7
272	07/21/1752	35.51 35.78	IX	Ladikiye was destroyed. Felt at Tripoli 200 killed.	d	1
273	12/16/1753	31.78, 35.21		Sligth damage in Jerusalem and Damascus caused some slight damage.		4
274	02/13/1756	36.9 30.68		The earthquake occured at moderate depth, and was a large scale earthquake. It was felt strongly in Antalya and everywhere in East Mediterrenean Sea.		7
275	07/17/1756	35.0 33.0	V	Earthquakes at Cyprus were felt at night and again during the morning of January(O.S.).They aiarmed the inhabitants, but there is no evidence that they caused damage. This was perhaps the large earthquake of 13 February in the Earstern Mediterranean which was felt as far as Cairo, Malta, Naples and İzmir.		4
276	1759	33.0 36.0	IX	Antioch		7
277	02/17/1759	36.2 37.16		A severe earthquake in Aleppo	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
278	07/10/1759	36.2 37.16	IV	An eyewitness reprts that a slight earthquake was felt in Aleppo and vicintity during the morning.		4
279	10/30/1759	31.92 34.86	X-XI d	An earthquake sequence in Northern Ror and Bika. The aftershoocks continued 3 months. 30.000 people killed at Ror, 20.000 at Bika.	d	1
280	1759	36.9 30.68	VII f	Damage at Antalya	e	1
281	11/25/1759	37.0 38.0	IX-XI(d)	A severe earthquake in Syria. Heavy damage at Baalbek, Lebanon, Bika and AntiLebanon and also many killed. Great Jupiter and Sun Temples were damaged.	d	1
282	04/09/1761	33.51, 36.29	V	Damascus; An earthquake was strongly felt in Damascus early in the morning. People fled from the mosque in fear.		4
283	01 or 02/1764	36.2 37.16		An earthquake in Aleppo.	d	1
284	02/14/1764	37.0 38.0		A severe earthquake in Syria. Felt at Tripoli.	d	1
285	1765	36.2 37.16		In this year, many earthquakes occured at Aleppo and Trablusşam.		7
286	1766	39.0 31.0	VII	Afyon		7
287	12/29/1776	39.0 31.0	VII	A destructive earthquake in Anatolia.		7
288	05/05/1778	36.2 37.16		An earthquake in Aleppo.	d	1
289	03/14/1779			A destructive earthquake in Middle Anatolia.		7
290	06/08/1779	36.2 37.16		A strong earthquake in Aleppo.		7
291	1782			A slight earthquake in Musul. In this year the mountain was split in Mesopotamia.		7
292	07/20/1783	35.0 38.0	VI	An earthquake in the region of between Northern Syria and Palestina.Damage at Aleppo.	d	1
293	12/14/1783	36.2 37.16		A strong earthquake in Aleppo.		7

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
294	1795		VIII	Afyon		7
295	1795	36.0 37.0	VI	Damage in Aleppo.	d	1
296	04/26-05/05.1796	36.0 36.0	IX	Very strong earthquake in Northern Syria and Lazikiye. 1500 people died at Lazikiye.	d	1
297	1802	31.92 34.86	IX	Large destructive earthquake . It caused damage or destruction in central Syria, Palestine Bika, Baalbek and Lebanon.	d	1
298	1810	37.0 28.0	V	An earthquake felt in Cyprus. No damage. It may be the effect of an earthquake in Crete.	b	1
299	1819	37.0 38.0		A severe earthquake in Syria.	d	1
300	1820	37.0 28.0	VI f	Damage in Cyprus.	e	1
301	08/13/1822	36.40 36.20	X-XI(d)	Very strong earthquake in Northern Syria. 20000 people died.Great part of Aleppo was destroyed.Tsunami	d	1
302	1822	36.0 36.0	IX 4	Damage in Antioch and Alexandrette.	e	1
303	1830	36.2 37.16		An earthquake in Aleppo.	d	1
304	02/22/1831	36.2 37.16		A severe earthquake in Aleppo.	d	1
305	1835	38.0 35.0	VIII	Kayseri		7
306	02/10/1836	39.0 36.0		A severe shock struck Kayseri, but it was not as strong as the earthquake of the previous year. Apparently it caused no damage (Colla 1837; Mallet 1854, 259; Palamutoglu 1987,190).		

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
307	01/01/1837	33.0 35.0	XI	Southern Lebanon		8
308	1838	37.0 28.0	IV	Felt at Limasol coasts in Cyprus.	b	1
309	07/12/1842	37.75 30.18	VI f	Damage at Isparta-Burdur Region	e	1
310	09/18/1844	36.2 37.16		A severe earthquake in Aleppo.	d	1
311	09/30/1844	36.2 37.16		An earthquake sequence in Aleppo.	d	1
312	1845	37.0 28.0	IV	Felt at all Cyprus. No damage.	b	1
313	12/03/1846	36.0 37.0	VI ,4	An strong earthquake in Aleppo.	d	1
314	06/21/1846	37.75 27.00	IX	Sisam Island, Söke		7
315	1847	38.0 28.0	VI	Aydın		7
316	1847	36.58 36.16	VI f	Damage at Alexandrette.	e	1
317	1849	36.9 30.68	VI f	Damage in Antalya and Rhodes.	e	1
318	1849	38.0 30.0	VI f	Damage in Isparta.	e	1
319	02/12/1850	33.88 35.51	V	Slight shock in Beyrouth and Ainhamade	d	1
320	02/28/1851	37.75 27.00	IX	Fethiye, Muğla, Rodos-Tsunami		7
321	1854	37.0 38.0	VII ,4	An earthquake in Syria. Felt at Suvediye, Antioch, Aleppo and Yafa.	d	1
322	1854	36.0 36.0	VI f	Damage in Antioch	e	1
323	01/16/1855	37 06 35 75	VI f	Damage in Tarsus ;At Oh 10m there was a rather violent earthquake at Tarsus; it caused no damage (Clapperton 1855; Schmidt 1879).	e	1,3,7
324		37.0 29.0	IX ,4	Damage in Fethiye	e	1
325		36.25 28.00	X	Rhodes, Carpatos, Crete		7
326	1856	37.0 28.0	VII ,4	Felt at Cyprus, it is the earthquake in Crete.	b	1
327	1858	37.0 31.0	V f	Felt at Antalya	e	1
328	01/29/1859	37.0 38.0		Felt at Damascus and Tripoli	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
329	08/18//1861	37.76 30.55	V	An earthquake shock was felt Felt at Isparta; followed by aftershocks	e	4
330	1863	36.65 29.12	VI f	Fethiye	e	1
331	1863	39.0 31.0	X f	This is an earthquake that was preceded by several forshocks. Greater part of the town Şuhut was demolished 800 people were killed. Cracks were opened in the ground and water injected into the air. The epicentre lies in the Şuhut plain. It was strongly felt at Dinar, Afyon and Konya.	e	1
332	08/15/1864	36.2 37.16	VIII ,4	A severe earthquake in Aleppo	d	1
333	10/02/1864	36.0 30	VIII f	Heavy damage in Meis İsl. And Fethiye	e	1
334	10/06/1866	38.0 32.0	VI f	Damage at Konya and Ilgın in Turkey.	e	1
335	09/22-24/1866		VI f	Damage at Uşak and Bursa in Turkey.	e	1
336	04/16/1868	36.2 37.16		An earthquake in Aleppo.	d	1
337	01/02/1870	36.2 37.16		An earthquake in Aleppo.	d	1
338	1870	37.0 29.0	VIII	Fethiye		7
339	1871		VI f	Damage at Konya	e	1
340	04/02/1872	35.0 38.0	X f	A severe earthquake in Northern Syria. 1800 people were killed. Felt at Urfa, Diyarbakır,Damascus, Yafa, Egypt, İzmir and other parts of Mesopotamia. Greater parts of Antioch and Suvediye were destroyed. Damage at Aleppo and Alexandrette. Many aftershocks occured at the end of August.	e, d	1
341	04/03/1872	36.2 36.2	X	Antakya	e	3
342	02/09/1873	36.2 37.16		An earthquake in Aleppo.	d	1
343	02/14/1873			Felt at Sur, Beyrouth, Akka an Jerusalem.	d	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
344	11/01/1873	39.0 31.0	VI f	Damage at Afyon	e	1
345	1873	36.08 35.98	VI f	Samandağ	e	1
346	3/3/1874	31.78 35.21	VI	Jerusalem; a strong shock was felt in Jerusalem at 1 h 40 m(Chaplin 1883)		4
347	01/04/1874	37.72 30.29	V	Burdur; A shock lasting for one second was felt at midnight in Burdur ısparta. It caused no seious damage.		
348	05/3-5/1875	38.06 30.16	IX f	Great damage at Çapalı-Dinar-Çivril region: Slight damage at Uşak and Afyon, caused 1300 deaths cracks were opened in the ground and hot water injected into the air. The epicentre lies Dinar and probably at Çapalı Lake.	e	1
349	05/11/1875		VI f	Uşak was damaged.	e	1
350	1875	36.0 36.0	VII	Antioch		7
351	05/13/1876	39.0 31.0	VI f	Damage at Afyon	e	1
352	06/1876	37.75 30.18	VI f	Before 15 June, an earthquake was reported from Burdur and Karağaç; it şs not known whwther it caused any damage. At about same time the village of Tiğanköy, at the foot of Kuçupinar Dağı, was shaken by a series of shocks, which resulted in a massive landslide. It is nıt certaine that these two events are in fact asscoiated(4)Damage at Burdur(1).	e	1,4
353	1878	38.0 28.0	VI	Aydın		7
354	1879	37.0 28.0	IV	Felt at Cyprus. It may be due to an earthquake Anti-Lebanon.	e	1

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
355	02/28/1881	37.18, 33.21	V	Karaman; This earthquake occured during the afternoon and was felt over a relatively large area. In Adana it caused trees to sway away and houses to rock, without damage, and in Limmasol there was some panic. The shock seems to have been experineced in Karaman as well, where it daamaged the dome of Seki Hamam and houses, but details are not give(Agamennone 1904, 114; Konyalı1967,534)		4
356	3/5/1883	37.0 28.0		Cyprus; An earthquake at 7 h 30 m caused the collapse of a few walls in Limaassol, where the ground movements were strong in Larnaka and was felt in Nicosia and throughout the whole island. It was altogether the severest shock which had been recorded for many years.		
357	09/21/1884	36.36 36.93		Silifke ;On Sunday 9 September (O.S.) at about 6 h 30 m (Turkish time) there was a violent earthquake in Silifke. It caused some damage and the collapse of some walls of the old castle (PTH 1884,12.9).		7
358	10/02/1891	36.36 36.93		Silifke;An earthquake at 9 h 53 m was felt in Silifke. It lasted for about 20 seconds. It caused no damage (PSB 1307,10.13).		7

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
359	11/3/1891	36.64 33.43		A strong earthquake at 5 h 30 m was felt at Kozan and-Mut and in the district of Icil (Mersin) in Turkey. There is no evidence that it caused any damage (PBS 1307,11.20).		7
360	1884	36.2 37.16	IV f	A severe earthquake in Aleppo	d	1
361	4-1886	38.0 29.0	VI f	Damage at Denizli	e	1
362	11-1886	38.0 29.0	VII f	Damage at Denizli and Uşak.	e	1
363	1887	37.0 28.0	IV	Felt in all Cyprus Island. No damage, could be the effect of the earthquake in Crete, Rhodes and Asia Minor.	b	1
364	1887	38.0 29.0	VII	Denizli		7
365	1887	36.0 37.0	VII	Aleppo, Northern Syria		7
366	09/05/1888	37.76 30.55	VI	On Wednesday 24 August at 11 h there was a violent earthquake in Isparta; some old walls and chimneys collapsed. There is no evidence that the shock was felt in Konya.		4
367	01/4/16/1889	37.75 30.18	VI f	Damage at Isparta	e	1
368	1890	38.0 38.0	VI	Malatya		7
369	10/29/1891			Mersin; At 21 h 45 m there was a rather violent earthquake at Mersin; it caused no damage (PSB 1307,11.12).		
370	1894	36 23 36 1	V	Antakya	e	3

Historical-cataloque_KOERI

No	Date(month/day/year)	Coordinates	Intensity Io	Explanation	Source	Reference
371	11/23/1895	37.18 33.21		Karaman;An earthquake, probably originating from Karamania in southern Turkey, caused some damage at Mut, and in particular at Elibash (ElbeyhV?), Kalpulu and other sites the locations of which are not certain, and it was felt at Nicosia in Cyprus (Lamec 1913, 311; Christofides 1968-1973 sub ann.).		7
372	01-1896	37.0 35.32	VI f	Damage at Adana and Mersin	e	1
373	02/20/1896	37.0 38.0	V	An earthquake in Damascus. No damage.	d	1
374	02/04/1896	37.0 28.0		Cyprus; An earthquake at 6 h 5 m was felt at Lemesos, Adana and Mersin, probably originating from an offshore epicentre i (PIK 1311, 2.20; Christophides 1969 sub ann.).		
375	05/12/1896	34.0 36.20		Strong shock at Baalbek	d	1
376	05/14/1896	35.00 38.00		An earthquake in Northern Syria	d	1
377	04/13/1898	33.88 35.51		An earthquake shock was felt in Beirut.		4
378	06/29/1896	37.0 28.0	VIII	A strong earthquake in Cyprus. Its epicentres was about 120 miles south of Island and meizoseismal area was found to be over 100000 square miles. Maximum intensity is VIIII MM at Akrotiri. The ground movements were particularly strong at Akrotiri where fissures opened into the ground and slides along the coast.	b	1
379	9/1899	38.0 29.0	IV	Denizli		7
380	12/1899	38.0 29.0	VI f	Damage at Denizli	e	1

Original catalog
Historical-catalogue_WP

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
-2100	0	0	0	0	0	35,5	25,5	East Crete		X	7,3	1	
-1890	0	0	0	0	0	35,5	25,5	East Crete		X	7,3	1	
-1750	0	0	0	0	0	35	25	Crete		X	7,3	1	
-1650	0	0	0	0	0	35,5	25,5	East Crete		X	7,3	1	
-1570	0	0	0	0	0	35	25,5	East Crete		X	7,3	1	
-1500	0	0	0	0	0	35	26	East Crete		IX	6,8	1	
-1410	0	0	0	0	0	36,5	25,5	Northeast of Crete		X	7,3	1	Tsunami, Io=XII
-1400	0	0	0	0	0	35,5	25,5	East Crete		IX	6,8	1	
-1356	0	0	0	0	0	36	36	Syrian Coast		IX	6,9	2	
-600	0	0	0	0	0	36,3	42	Syria		VI-VII	5,2	19	
-550	0	0	0	0	0	39,7	44,4	Northeast of Small Ararat	15	IX	6,9	1	
-412	0	0	0	0	0	36,5	27	Southwest of Cost		VIII	6,3	1	
-368	0	0	0	0	0	35	25	Crete		IX	6,8	1	
-360	0	0	0	0	0	41,2	31,4	Zonguldak Ereglisi				1	
-356	0	0	0	0	0			Afyon-Dinar				4	It is given as epoch of King Iskender
-331	0	0	0	0	0	36,1	36,1	Syria		VIII-IX	6,6	2	
-330	0	0	0	0	0	40,1	25,2	North East of Lamnos		IX	6,8	1	Tsunami
-330	0	0	0	0	0	40,6	37	Niksar				1	
-304	0	0	0	0	0			Izmir and Ay dm Vicinity		VII	5,8	1	
-282	0	0	0	0	0	40,5	26,7	Bolayir, Gelibolu		VIII	6,3	1	
-267	0	0	0	0	0	35	25	Crete		IX	6,8	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
-255	0	0	0	0	0	35	25	Crete		IX	6,8	1	
-225	0	0	0	0	0	36	28,5	Rhodes				37,5	
-222	0	0	0	0	0	36,5	28	Rhodes, Cyprus, Kharint		X	7,3	1	Tsunami
-197	0	0	0	0	0	36	28	Rhodes		VIII	6,3	1	
-185	0	0	0	0	0	36	28	Rhodes, Cyprus		IX	6,8	1	
-184	0	0	0	0	0	36,2	36,3	Antakya		VIII	6,1	2,19	
-148	0	0	0	0	0	36,2	36,1	Antakya		VIII	6,3	1	Many fatalities
-145	0	0	0	0	0	41	29	Istanbul		XI	7,7	6	130.000 deaths
-140	0	0	0	0	0	41	29	Istanbul		X	7,3	1,6	
-131	0	0	0	0	0	37,5	36,6	Islahiye		VII	5,8	1	
-115	0	0	0	0	0	36,2	36,2	Antakya		VIII	6,1	2	
-106	0	0	0	0	0	36	28	Rhodes				1	
-92	0	0	0	0	0			Syrian Coast				1	Felt in Egypt and Cyprus
-88	0	0	0	0	0			Dinar, Afyon				1	
-69	0	0	0	0	0	35,9	36,3	Syria, Antakya		IX-X	6	2,19	Felt at Cyprus I = VIII at of ref. 19
-65	0	0	0	0	0	37,7	29,2	Hanaz, Denizli		VIII	6,3	1	
-37	0	0	0	0	0	36,2	36,1	Antakya		VIII	6,3	1	Many people died
-31	0	0	0	0	0	37,8	27,8	Aydm		VIII	6,3	1	
-26	0	0	0	0	0	37,8	27,8	Aydm, Ephesus, Nazilli		IX	6,8	1	
-20	0	0	0	0	0			Denizli, Chios		VIII	6,3	5,1,19	
-15	0	0	0	0	0	35,2	34	Cyprus		IX	6,8	5,1,19,37	
-12	0	0	0	0	0			Teral, Aydm		X	7,3	6	
-5	0	0	0	0	0	37	27	Cos and Rhodes		VIII	6,3	1	
1	0	0	0	0	0			Baf		VIII	6,3	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
11	0	0	0	0	0	37,8	27,8	Aydm		VIII	6,3	1,7	
17	0	0	0	0	0	38,4	27,5	Manisa, Sart, Aydm, Ephesus		IX	6,8	1,7	Ephesus and 13 provinces were destroyed
19	0	0	0	0	0			Iznik, Izmit		VIII	6,3	1	
23	0	0	0	0	0			Denizli, Golhisar				1	
24	11	29	0	0	0	40,5	28,9	Iznik, Izmit		IX	6,8	7,1	
33	0	0	0	0	0	40,4	29,7	iznik, Kocaeli, Bursa		VIII	6,3	7,1	
37	0	0	0	0	0	35,7	36,3	Syria, Antakya		VIII-IX	6	1,2,19	lerusalem IV ,Antakya VII
44	0	0	0	0	0	38,5	27,4	Manisa, Ephesus		VIII	6,3	1,7	Io = IX-X
46	0	0	0	0	0	36,5	25,5	Santorin		VIII	6,3	1	Tsunami
50	0	0	0	0	0	42,9	41	North east of Antakya	10	VIII	5,5	1	
53	0	0	0	0	0	30,1	30,15	Dinar and Vicinity		VIII	6,3	1	
53	0	0	0	0	0	36,2	36,5	Syria Antakya Lattakia		IX	7,4	2,19	Antakya VII, Lattakia VIII
55	0	0	0	0	0	35	25	Crete		X	7,3	1	
60	0	0	0	0	0	37,9	29,2	Pamukkale, Denizli		IX	6,8	1,7	Denizli mined
62	0	0	0	0	noon	36	25,5	Crete and Santorin Island		IX	6,8	1	Tsunami, felt at Chios
68	0	0	0	0	0	37,74	27,4	Iznik, and Izmit		VII	5,8	7	The date is given as 69 at reff.7.
76	0	0	0	0	0			Salamis Bay, Cyprus		X	7,3	1	Felt at Larnaka I = IX
79	0	0	0	0	0	36,25	36,1	Antakya		VII	5,8	1	Rebellion to government
82	0	0	0	0	0	36,1	36,2	Antakya		VIII-IX	6,5	2,19	
93	0	0	0	0	0	40,6	27	Gelibolu, bay, Trachia		VIII	6,3	1,7,37	
94	0	0	0	0	0	38,75	30,5	Afyon and Vicinity		VIII	6,3	1	
105	0	0	0	0	0	38,9	27	£andarli bay and Greece		IX	6,8	1,7	I = VII at ref.7
109	0	0	0	0	0			Ankara, Qankiri, £orum		IX	6,8	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
110	0	0	0	0	0	36,25	36,1	Antakya, Samandag		VIII	6,3	1,7	
110	0	0	0	0	0	37	26	Siklat, Izmir, Ephesus		IX	6,8	1	
114	11	20	0	0	0	37,08	38,32	Urfa, Samsat, Mara§, Ceyhan		IX	7,5	8,2,1,19	
115	12	13	0	0	0	36,25	36,1	Antakya, Samandag, Eleyah		VIII-IX	6	1,2,4,7, 19	felt at Rhodes as I = IV
117	11	10	0	0	0	40,4	27,8	Erdek, Kapidag Peninsula		VII	5,8	1	
117	0	0	0	0	0	36,25	36,1	Antakya		VII	5,8	1	
120	0	0	0	0	0	40,4	29,7	Iznik, Izmit		VIII	6,3	1,7	
127	0	0	0	0	0	40,6	37	Niksar, Ladik, Su§ehri,		IX	6,9	1,7	
128	0	0	0	0	0	37,3	36,8	islahiye, Mara§		VIII	6,3	1	
129	0	0	0	0	0	40,4	29,4	Iznik, Mudanya		VIII	6,3	1	
138	0	0	0	0	0	36,3	28	Rhodes and istankoy		VIII	6,3	1	
138	0	0	0	0	0	40,15	26,4	£anakkale, Bandirma		VIII	6,3	1,7	I = VI at reff.7
139	0	0	0	0	0	39,8	44,6	Aras	15	VIII	5,7	1	
144	0	0	0	0	0	36,6	29,1	Fethiye, Finike		VIII	6,3	1	
145	0	0	0	0	0			Rhodes, and Vicinity				4	
155	0	0	0	0	0	40,3	28	Bandirma and Vicinity		VIII	6,3	1	
160	0	0	0	0	0	38,41	27,2	izmir		VI	5,4	1	
165	0	0	0	0	0	38,41	27,2	izmir		VIII	6,3	1,7	I = VI (reff.7)
170	5	3	0	0	0	40,1	28	Bandirma, Erdek, Gemlik		IX	6,8	1,7	I = VI (reff.7)
177	0	0	0	0	0	38,4	27,1	izmir, Milet, Chios, Samos		X	7,3	1,7	I = VII (reff.7)
190	0	0	0	0	0	38,66	26,75	Foca		VI	5,4	7,1	
212	0	0	0	0	0	41	29	istanbul		VII	5,8	1	
220	0	0	0	0	0	36,25	36,2	Antakya		VIII	6	1,19	
238	0	0	0	0	0			Anatolia				4	No detail information

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
240	0	0	0	0	0			Kayseri, Malatya, Sivas		IX	6,8	1	
242	0	0	0	0	0	37,1	36,5	Antakya, Syria, Egypt		VIII-IX	6,5	2,19	Syrial = VI, I = VI at ref.(19)
245	0	0	0	0	0	36,25	36,1	Antakya		X	7,3	1	
251	7	9	0	0	0	35,5	25,5	East Crete		IX	6,8	1	
253	0	0	0	0	0	39,1	27,5	Bergama and Vicinity		IX	6,8	1	I = VII at Bergama (Ref.7)
262	0	0	0	0	0			Rhodes, Lidya and Anatolia		IX	6,8	1,37	Tsunami, (1)
268	0	0	0	0	0	40,8	29,9	Izmit and Vicinity		VIII	6,3	1	
272	0	0	0	0	0	36,25	36,1	Antakya		VIII	6,3	-	Felt in whole Syria
290	5	14	0	0	0	37,06	35,8	Ceyhan, Tarsus, Icel		VIII	6,3	2,1	Felt in Syrian coast
300	0	0	0	0	0			Ayvalik (Tir and Sidon)		IX	6,8	4	
325	0	0	0	0	0	41	29	istanbul		IX	6,8	1	Felt in Izmit and Canakkale
330	0	0	0	0	0	35	34	Famagusta, Antakya		VIII-IX	6	2,19	I = IV in Antakya (2)
334	0	0	0	0	0	36,25	36,1	Antakya,		VIII	6	1,19	I = VI in Antalya (2)
335	0	0	0	0	0	40,6	37	Niksar		VIII	6,2	7,1	
336	0	0	0	0	0	36	28	Rhodes		VIII	6,3	1	
340	0	0	0	0	0	36,2	35,7	Syria, Middle East		IX	6,8	2	I= VIII in Antalya
341	0	0	0	0	0	36,2	36,1	Antakya		VIII	6	19	
342	0	0	0	0	0	35	34			IX-X	7	19	
343	0	0	0	0	0	35,15	33,3	Nicosia, Cyprus		VIII	6,3	1	
343	0	0	0	0	0	40,6	37	Niksar		VIII	6,2	1,7	I = VI in Niksar (7)
344	4	11	0	0	0	36	28	Rhodes		VIII	6,3	1	
345	0	0	0	0	0	40,6	37	Niksar		VIII	6,2	1,7	
345	0	0	0	0	0	36,25	36,1	Antakya		VII	5,8	1,19	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
350	10	0	0	0	0	40,8	30..00	Izmit, Iznik		VIII	6,3	1	
354	8	24			Early morn.	40,8	30	izmit		VIII	6,3	4,1,7	
356	0	0	0	0	0	41	29	istanbul		VII	5,8	1	
359	1	1	0	0	0	40,75	29,6	izmit		VIII	6,3	1,7	
362	12	2	0	0	0	40,75	29,6	iznik, izmit, Istanbul		VIII	6,3	1,7	
363	2	1	0	0	0	41	29	istanbul		VIII	6,3	1,7	I= VII in istanbul (7)
366	0	0	0	0	0	40,6	37	Niksar		VI		1,7	
367	0	0	0	0	0	35	32,5	West of Cyprus		VIII	6	19	
368	10	11	0	0	0	40,4	29,7	Iznik		VII	5,8	1	
370	0	0	0	0	0	35	39	Syria		VIII	6	19	
375	7	12	0	0	0			Crete and Greece		IX	6,8	1	
376	0	0	0	0	0	41	29	istanbul		VIII	6,3	1	
378	0	0	0	0	0	40,4	29,7	Iznik		VI	5,4	1	
382	0	0	0	0	0	41	29	istanbul and Vicinity		VIII	6,3	1	
387	0	0	0	0	0	36,25	36,2	Antakya		VI	5,4	1	
394	0	0	0	0	0	39,8	36,3	Eastern Meditpalest, Antakya		VIIMX	6,5	2	
394	0	0	0	0	0	41	29	istanbul		VIII	6,3	1	I = VIII in Antalya
396	0	0	0	0	0	36,25	36,1	Antakya		VIII	6,3	1,7,19	
398	0	0	0	0	0	41	29	istanbul		VII	5,8	1,7	
400	0	0	0	0	0	42,9	41	Ardahan	10	VIII	5,5	1	
400	0	0	0	0	0			istan,some Anatolian cities				4,1	
402	0	0	0	0	0	41	29	Istanbul		VIII	6,3	1,7	I = VI (7)
408	7	5	0	0	0	41	29	Istanbul		VII	5,8	1,7	
411	0	0	0	0	0	41,04	28,98	Istanbul		VII	5,8	1,7	I = Vat ref.(7)

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
417	0	0	0	0	0			Manavgat-Alanya		VII	5,8	1	
427	0	0	0	0	0	41	29	Istanbul and Vicinity		IX	6,8	1,7	I = VII (7)
430	0	0	0	0	0	41	29	Istanbul and Vicinity		VII	5,8	1,7	
434	0	0	0	0	0	35	38	Hama, Humus		VI	5	19	
440	10	26	0	0	0	41	28,9	Istanbul and Vicinity		VII	5,8	1,7	
446	1	26	0	0	0	40,7	29,3	Izmit bay Istanbul		VIII	6,3	1,7	I = VI (7)
447	12	8	0	0	0	40,8	29,6	Izmit bay, Istanbul, Iznik		IX	6,8	1,7	I = VIII (7)
448	11	6	0	0	0	35	25	Crete		IX	6,8	1	
450	1	26	0	0	0	41	29	Istanbul and Vicinity		VIII	6,3	1	I = V(7)
453	0	0	0	0	0	42,5	43,5	Caphcasus		VII	5,8	1	
457	0	0	0	0	0	36	36	Antakya		VII	5,5	19	
458	9	14	0	0	0	36,25	36,1	Antakya and Northern Syria		X	7,7	2,1	I = IX in Antakya
464	0	0	0	0	0	40,4	27,85	Erdek, Bandirma		VII	5,8	1	
467	0	0	0	0	0	40,8	29,9	Izmit		VI	5,4	1,7	
468	0	0	0	0	0			Izmir, Aydm, istankoy		VIII	6,3	1	
470	0	0	0	0	0	41	29	Istanbul		VII	5,8	1	
477	0	0	0	0	0	35,3	35,8	Syria, Jeble		VIII	6	2,1	I = VI (ref.1)
478	9	25	0	0	0	40,8	29	istanbul and Large Vicinity		IX	6,8	1,7	
488	0	0	0	0	0	40,8	29	Izmit, Karamtirsel		VIII	6,3	1,7	
499	0	0	0	0	0	40,6	36,9	Niksar, Resadiye, Su§ehri, Amasya		VII	6,2	1,7	
500	0	0	0	0	0	36,3	36,2	Syria, Antakya, Samandag, Gaziantep, Lattakial, Urfa		VIII-IX	6,9	2,7,19	Lattakie I = IX, Gaziantep I= VII, UrfaI=V
500	0	0	0	0	0	40,8	29,9	izmit		VIII	6,3	1	
505	0	0	0	0	0	36,3	28	Rhodes		VIII	6,3	1	
506	0	0	0	0	0	40,6	36,9	Niksar		VII	5,5	1,7	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
506	9	10	4	0	0	36,25	36,1	Antakya, Samandag		IX	6,8	1	
515	0	0	0	0	0	36,3	28	Rhodes		VII	5,8	1	
516	0	0	0	0	0	36,3	28	Rhodes		VII	5,8	1	Identical with number 164
517	0	0	0	0	0	37,2	35,9	Adana		VIII	6,3	1	
517	0	0	0	0	0	41	29	Istanbul		VII	5,8	1	
518	0	0	0	0	0	36,89	36,6	Antakya		VIII	6,3	1,7	I = VI (7)
520	0	0	0	0	0	36,3	28	Rhodes		VI	5,4	1	
522	0	0	0	0	0	37	36,5	Syria, Kylikia, Antakya		IX-X	7,4	2,5	I = VII in Antakya, I = X(5)
524	0	0	0	0	0	37,2	35,9	Adana (Ceyhan), Misis		VIII	6,3	1,7	I = VI (7)
525	10	4	0	0	0	41	29	Istanbul		VI	5,4	1	
526	10	4	0	0	0	36,1	36	Samandag		VIII	6	19,1,7	
526	5	29	0	0	0	36,25	36,1	Antakya, Galilia, Aleppo, Damascus		IX	7,9	2,1,7,42	I=VI (7), I=VIII in Antakya M=5,5 at ref.19 I=VI in Galilia, I=VI-VII in Damascus, 200000 deaths
527	0	0	0	0	0	36,2	36,1	Antakya		VIII	6,3	19	
527	0	0	0	0	0	41	29	Istanbul		VII	5,8	1	
527	3	0	0	0	0	36,25	36,1	Antakya		VI	5,4	4,1	
528	11	29	0	0	0	36,5	36,15	Antakya		X-XI	7,5	8,7,2,19	I = VIII-IX atref.2.
528	0	0	0	0	0	40,55	35,85	Amasya		VIII	6,2	1,7	
528	0	0	0	0	0	36,6	39,1	Fethiye , Finike		VII	5,8	1	
532	0	0	0	0	0	35	36,75	Hams, Hama, Antakya		VIII	5,5	19,1	
535	1	5	0	0	0	36,2	36,3	Antakya		VIII-IX	6,3	2	
535	1	1	0	0	0	41	29	Istanbul		VII	5,8	1,7	I = Vat ref.2

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
538	0	0	0	0	0			Cos		X	7,3	4	Tsunami, change water level in wells
541	8	16	0	0	0	41	29	Istanbul		VIII	6,3	7,1	16.8.542 at ref.7
543	9	6	0	0	0	40,35	27,8	Erdek, Bandirma		IX	6,8	1,7,9	Tsunami
546	0	0	0	0	0	41	29	Istanbul		VII	5,8	1,7,4	The earthquake has continued 40 days
551	0	0	0	0	0	40,55	35,85	Amasya		VI		1,7	
551	7	9	0	0	0	34,01	35,5	Antakya, Syria		IX	7,3	2	I = VI in Antakya
553	8	15	0	0	0	40,75	29,1	Istanbul, Kocaeli		X	7,3	1,7	I = VI at ref.7
553	0	0	0	0	0	36,25	36,1	Antakya		VI-VII	5,6	1,7,19	I = VI at ref.7
556	0	0	0	0	0	41,04	28,98	Istanbul Vicinity		X	7,3	10,7	continued along ten days
557	0	0	0	0	0	36,25	36,1	Antakya		VI-VII	5	19,1	
557	4	2	0	0	0	41	29	Istanbul		VIII	6,3	1,4,9	
557	10	16	0	0	0	41	29	Istanbul		VIII	6,3	1,7,4	
557	12	14	0	0	night	41	29	Istanbul and Vicinity		VIII	6,3	1,9,7	I = VII and the date is 14.11.557 at ref.7
559	0	0	0	0	0	41	29	Istanbul		VI	5,4	1,7	
561	0	0	0	0	0	37,2	35,9	Anazarba-Antakya, Ceyhan		VIII	6,3	1,7	
565	0	0	0	0	0	36	39	Rakkay, North Syria		VI	5,5	19	
570	0	0	0	0	0	41	29	Istanbul		VII	5,8	11	A dome of the church and Hagisofia were destroyed
579	0	0	0	0	0	36,2	36	Antakya, Dafna		VII-VIII	5,5	2,1,7,19	
580	0	0	0	0	0	41	29	Istanbul		VI	5,4	1,7	
581	0	0	0	0	0	36,25	36,1	Antakya		VI	5,4	1	
582	0	0	0	0	0	41	29	Istanbul		VI	5,4	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
583	5	10	0	0	0	41	29	Istanbul		VII	5,8	1	
588	10	31	0	0	0	36,2	36,9	Antakya		IX	6,3	2,1,19	It is given as 30.9.587 at ref (1) and (19)
601	4	20	0	0	0	41	29	Istanbul		VII	5,8	1,7	I = VI at ref.7
611	0	0	0	0	0	41	29	Istanbul		VII	5,8	7,1	
634	0	0	0	0	0	36,14	37,1	Aleppo		VIII	6,8	8,2,19	
639	0	0	0	0	0	36,2	36,2	Antakya		VII	5	2,19	
677	0	0	0	0	0	41	29	Istanbul		VI	5,4	7,1	
678	0	0	0	0	0	38,2	39,5	Northern Syria, Mesop, Urfa		X	7,6	2,1,7,19	I = VI in Urfa
687	0	0	0	0	0	36,2	36,2	Antakya		VIII	5,8	2	
688	0	0	0	0	0	38,4	27	Izmir		IX	6,8	7,1,9	
713	2	28	0	0	0	36,1	36,1	Antakya		VIII	6	19	
713	3	20	0	0	0	36,5	35,15	Antakya, Damascus		IX	6,8	12,8,2,1, 7,19,11	I = VI at ref.(7), I = IV in Egypt
715	0	0	0	0	0	40,4	29,7	Iznik, Istanbul		IX	6,8	7,1,9	
715	0	0	0	0	0	36,5	37,9	Mumbic, Syria		IX	6,8	1	
716	0	0	0	0	0	36,25	36,1	Antakya		VII	5,8	1,5	
717	8	13	0	0	0	36,1	36,1	Antakya		VIII	6	19	
718	0	0	0	0	0	37,1	38,8	Urfa		VII	5,2	2,1,7	
732	0	0	0	0	0	41	29	Vicinity of Istanbul		VII	5,8	7,1,9,43	
737	0	0	0	0	0	41	29	istanbul		VII-VIII	6	11,12	The minaret at Avrat Bazaar was felldown
740	10	26	8	0	0	40,8	29	istanbul, izmit, iznik		VIII	6,3	1,7,37	
741	0	0	0	0	0	39,5	43,5	Agn and Vicinity	10	VII		1,7	
742	0	0	0	0	0	35	38	Syria, Palestine				37,4,5,19	six hundred cities destroyed

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
757	5	25	0	0	0	36,57	35,35	Misis, Aleppo		VIII	5,9	2,8	I = VII in Aleppo
775	0	0	0	0	0	36,5	36,7	Antakya, Aleppo		VIII	6,7	2,1,19	
778	0	0	0	0	0	36,1	36,1	Antakya				43	
789	2	8	0	0	0	41	29	Istanbul		VIII	6,3	1,7,9	
791	0	0	0	0	0	36,10	36,7	Northern Syria, Aleppo, Palestine		VIII	6,8	2,1,19	I = IV in palestine
796	5	4	0	0	0	41	29	Istanbul		VIII	6,3	1	
796	4	7	0	0	m.nig.	35	25	Crete		IX	6,8	1,37	Moderately felt in Alexandria
802	12	30	0	0	0	36,57	35,95	Misis		VII-VIII	5,5	8,19	
815	8	0	0	0	0			Tracia		VIII	6,3	1,7	The date is 816 at ref (7)
816	0	0	0	0	0			Horasan				11,12	
835	1	5	0	0	0	36,5	36,15	Antakya		VIII-IX	6,5	8,1,5,19	
840	0	0	0	0	0	41	29	istanbul		VI	5,4	1,7,19	
845	0	0	0	0	0	36,5	36,15	Antakya		IX	6,8	8,19	I=IX in Damascus (8) Date is 846 at ref.(1)
846	8	28	0	0	0	36,1	36,1	Antakya		VIII	6	19	
847	0	0	0	0	0	36,2	36,1	Antakya, Diyarbakir, Mosul, Damascus		VIII	6	19,44	50000 deaths in Mosul
851	0	0	0	0	0	40..00	44,6	Yerevan		VIII	6,3	1	
854	0	0	0	0	0	40	45	South east of Yerevan		VIII	6,5	39,1	
858	1	0	0	0	0	40	44,6	Vicinity of Yerevan		VIII	6,3	1	
859	12	0	0	0	0	36,8	36,3	Antakya,Lattkkia		X-XI	7,8	19	
859	4	8	0	0	0	36,2	38	Antakya, Urfa, Damascus, Oromfos Valley lattakia, Armenia		IX-X	6	8,2,7,1, 5,19,37, 44	I=X in Urfa, I=IX in Lattakia, I=IV in Armenia

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
860	5	23	0	0	0	41	29	Istanbul		VII	5,8	1,7	
861	8	0	0	0	0	41	29	Istanbul		VI	5,4	1,7	
863	4	0	0	0	0	40	44,6	Yerevan		VIII-IX	6,5	39,1	
865	5	16	0	0	0	41	29	Istanbul		IX	6,8	1,9	
865	5	16	0	0	0	35	25	Crete		IX	6,8		
867	1	9	0	0	0	41	29	istanbul		VIII	6,3	10,1,7,9	Craks in walls of some buildings
867	0	0	0	0	0	36,25	36,1	Antakya		IX	6,8	1	
869	0	0	0	0	0	40..00	44	Yerevan		IX	5,3	39,1	12.000 deaths
870	1	10	0	0	0	41	29	Istanbul		VIII	6,3	1,9	
889	0	0	0	0	0	36,2	37,2	Aleppo		VI	5	2,19	
893	3	27	0	0	0	40	44,6	Yerevan and Vicinity	5	VIII-IX	5,3	39,1,44	
894	0	0	0	0	0	36,4	40	Northern Syria, East Anatolia		VI-VIII	5,5	19,1	
898	0	0	0	0	0			Rey and Tabor				11,12,43, 45	Tsunami
913	0	0	0	0	0	36	25	Crete		VII	5,8	1	
915	0	0	0	0	0	41	29	Istanbul		VII	5,8	1	
951	9	15	0	0	0	36,14	37,1	Aleppo, Antakya, Douluk		VIIMX	6	37,8,2,19	Felt violently in Alexandria
956	1	1	0	0	0	31,13	29,55	Alexandria		VIII	6,3	8,12,44, 45	
958	4	0	0	0	0	33,2	44,26	Baghdat		VIII	6,3	8	
960	0	0	0	0	0	41	29	Istanbul		VIII	6,3	1,9	
963	7	22	0	0	0	36,6	36,8	Northern Syria, Azaz		IX	5,7	2,19	
968	9	2	0	0	0	41	29	Istanbul		VIII	6,3	1,9	
968	9	3	2	0	0	41,15	34,75	Kastamonu, f orum, Amasya		IX	6,9	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
972	0	0	0	0	0	40,3	44,1	Yerevan and Vicinity	8	VII	5	1	
972	10	12	0	0	0	36	36,3	Ash Sahan, antakya,Damascus		IX	6,8	2,8,1,19	I = IV-V in Damascus
975	9	25	0	0	0	41	29	Istanbul		VII	5,8	10,7	Hagisofia was destroyeyd., 26.10.975 at ref.7
985	9	23	0	0	0	40,4	28,9	Iznik, Bandirma		VIII	6,3	1	
986	10	26	0	0	0	41	29	Istanbul,Tracia		IX	6,8	1	
991	4	5	0	0	0	35,5	36,2			VII-VIII	5,8	19	
995	0	0	0	0	0	38,5	39,5	Palu, Sivrice		VI	5,4	1,7	
995	0	0	0	0	0	40,6	43,1	Kars		VI	5,4	7,1	
1002	11	10	0	0	0	36,5	36,4	Syria Border zone		IX	6,8	8,2,19	Tsunami, I = VIII in Antakya
1003	3	21	0	0	0	37,1	38,8	Urfa		VII	5,8	1,7	
1003	0	0	0	0	0	40,5	43,3	Kars, Digor	20	VI		1	
1007	0	0	0	0	0	40,5	43,3	Kars		VI		1	
1008	4	11	0	0	0	35,7	45	Latakia, Hama		VIII	6,2	19,44	10000 deaths
1010	1	0	0	0	0	41	29	Istanbul		VIII	6,3	1,7	
1011	0	0	0	0	0	39,8	39,5	Erzincan		VIII	6,2	7,1	
1012	0	0	0	0	0	39,1	42,5	Malazgirt		VII	5,8	1	
1031	0	0	0	0	0	36	42,5	West of Musul		VII	5,5	19	
1032	8	13	0	0	0	41	29	Istanbul		VIII	6,3	1,7	Date is 1031 at ref.7
1033	3	6	0	0	0	41	29	Istanbul		VII	5,8	1,7	
1035	5	0	0	0	0	41	29	Istanbul and Vicinity		VII	5,8	1	
1037	12	20	0	0	0	41	29	Istanbul		VIII	6,3	1,7	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1037	12	18	4	0	0	37,1	38,8	Urfa		VII	5,8	1	
1040	2	2	0	0	0	38,4	27,15	Izmir		VII	5,8	1,7	
1041	6	10	0	0	0	41	29	Istanbul ve large vicinity		VIII	6,3	1,7	I = V at ref.7
1042	8	21	0	0	0	36,5	37,9	Mumbic,Syria Turkey,Palmyra		IX	7	12,8,1,2,5	I = VIII in Palmyra
1043	0	0	0	0	0	40,8	43,8	Gumru		VI		1	
1045	0	0	0	0	0	39,75	39,5	Erzincan		IX	6,9	1,7	
1046	7	8	0	0	0	37,55	40,14	Diyarbakir, Ahlat, Lake of Van		VIII-IX	7,6	8,2,19	M = 6.0 at ref.(19)
1046	0	0	0	0	0	40,5	43,5	Arpacay Valley	15	VIII	5,5	1	
1050	8	5	0	0	0	40,25	33,37	£ankin, Amasya, Havza		XI	8	12,8,1,13	I=VIII at ref.(l), I=XII at ref.(8), Hot water come out from under the church demolished.
1053	0	0	0	0	0	36,2	36,2	Antakya		VIII-IX	6,5	2,1	
1056	0	0	0	0	0	38,4	27,15	Izmir and large vicinity		VIII	6,3	1	
1058	10	0	0	0	0	36	43	Baghdad		VII-VIII	6	19	
1058	12	2	0	0	0	36,3	43	Vicinity of Mosul		IX	6,8	8,19	
1063	7	30	0	0	0	36,15	36,15	Antakya, Acre, Damascus, Tripoli		VIII	6,7	2,8,1,19	
1063	2	19	0	0	0	41	29	Istanbul		VI	5,4	1	
1064	9	23	0	0	0	40,4	28,9	Iznik, Bandirma, Murefte, istanbul		VIII-IX	6,5	1	Tsunami
1068	0	0	0	0	0	39,75	39,5	Erzincan		VII	5,5	1	
1068	3	18	0	0	0	33,14	33,5	Ramla, Banias, Kulfa		IX	6,8	8,11,12, 43,44,45	25000 deaths in Ramla
1072	2	26	0	0	0			Baghdad, Antakya		VIII	6,3	8,1	I = VII in Baghdat
1075	0	0	0	0	morn.	40,6	34,95	Vicinity of £orum		VIII	6,3	1	
1082	12	6	0	0	0	41	29	Istanbul and Vicinity		VIII	6,3	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1085	0	0	0	0	0	39,57	41,17	Erzurum				8	
1086	4	18	0	0	0	36	40	North East of Syria		VII	5,5	19	
1088	4	0	0	0	0	41,4	43,2	Ahilkelek	10	VIII	5,3	1	
1089	0	0	0	0	0	34,4	38,3	Astisahan, Syria, Palmyra		VIII-IX	6,2	2,1	I = IV in Ashsahan
1091	9	17	0	0	0	36,5	36,15	Antakya and Urfa, Damascus		IX	7,4	11,12,2, 8,19,46	
1094	1	0	0	0	0		36,19	Damascus, Antakya		VI	5,4	8,1	
1098	1	0	0	0	0	40,6	43,1	Kars and Armenia		VIII	6,3	1,7	I = VI at ref.7
1098	1	0	0	0	0	36,2	36,8	Antakya, Aleppo		VII	5,8	2,1,19	
1109	0	0	0	0	0	36,3	36,4	Northern Syria, Antakya,		VII	5,2	2,1,19,46	
1110	0	0	0	0	0	38,5	43,5	Van		VIII-IX	6,5	1,7	die date is 1111 at ref.7
1114	6	7	0	0	0	36	36	Antakya		VII-VIII	5,8	19	
1121	9	0	0	0	0	41	29	Istanbul				43	
1130	2	28	0	0	0			Baghdad		VII	5,8	8,12	
1131	0	0	0	0	0	40,5	43,6	Ani, Digor Kars	15	VIII	5,3	1,7	
1137	9	19	0	0	0	36	42,4	Syria Mesepotania, Aleppo, Diyarbakir		IX	7,3	2,8,19,43	I = VIII in Aleppo
1139	0	0	0	0	0	40,5	45	Gence, Gtimru		X	7,3	39	
1139	10	12	0	0	0	36,2	37,2	Damascus, Alepo		IX-X	7	2,8,19,37	I = X-XI in Aleppo (2)
1140	0	0	0	0	0	35,9	39,6	Syria		VIII	6,3	1	
1144	5	19	0	0	0			Baf-Cyprus		VIII	6,3	1	
1149	0	0	0	0	0	35,9	36,4	Aleppo, Antakya, Hama		VIII	6,6	2,44	
1151	0	0	0	0	0	40,6	43,1	Kars and Armenia		VIII	6,3	1,7	
1152	2	2	0	0	0	35,35	36,4	Hama, Damascus		VII	5,9	8,1,2,19	I = VII-VIII in Bosra

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1152	3	22	0	0	0	36	36	Antakya		VI	5	19	
1156	10	5	0	0	0	35,09	36,45	Orontos Valley, Hama		IX-X	7	8	
1156	5	18	0	0	0	36,5	36,6	Ashsahan, Aleppo, Antakya		IX	7,3	2	I = VII in Antakya
1157	7	14	0	0	0	35,4	36,5	Aleppo, Horns, Antakya		VII-VIII	6	5,2,44,47	
1157	0	0	0	0	0	40,8	43,8	Giimru, Kars				1	
1161	0	0	0	0	0	39,75	39,5	Erzincan		VII	5,5	1,7	I = VI at ref.7
1168	0	0	0	0	0	39,75	39,5	Erzincan		VIII	6,2	1,7	
1170	6	30	0	0	0	36,14	37,1	Aleppo, Antakya, Damascus		IX-X	8,1	19,8	M = 6.0atref. (19)
1170	7	17	0	0	0	35,2	36,3	Ashsahan, Aleppo, Antakya		IX-X	7,2	2,12,11, 43	
1178	6	19	0	0	0	36,2	44	Iraq		VIII-IX	6,5	19	
1179	9	19	0	0	0	36,2	44	Iraq		VIII-IX	6,5	19	
1182	0	0	0	0	0			Alexandria				12	
1183	0	0	0	0	0	35,2	36,3	Aleppo, Antakya		VI	5	19	
1190	0	0	0	0	0	37,15	33,2	Konya, Karaman		VIII	6,3	1	
1190	9	0	0	0	0	36,25	36,1	Antakya and large vicinity		VIII	6,3	1	
1201	6	2	0	0	0			Armenia, Azerbeycan,Damascus		IX	7,7	2,1,12	The date is given as 7.5.1201 at ref.2
1203	0	0	0	0	0			Egypt, Syria, Turkey, Irak		VIII	6,3	8,12,44	Hemadan were ruined
1205	0	0	0	0	0	38,7	35,5	Kayseri		VIII-IX	6,5	1,7	
1208	1	0	0	0	0	38,45	42,2	Ahlat, Damascus		IX-X	7	8,19	I = VI in Damascus
1211	6	15	0	0	0	36,25	36,1	Cairo, Antakya		VIII	6,3	37	Cairo was shaken by a violent seismic
1219	1	11	0	0	0	40,6	43,1	Kars, Armenia	10	VIII		1	
1222	0	0	0	0	0	36,74	37,1	Kilis		VI	5,4	1,7	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1222	5	0	0	0	0	34,75	32,4	Limasol, Nikosia		IX	6,8	1	Tsunami
1225	3	4	0	0	0	36,21	43	Mosul		VII	5,8	8	
1226	11	18	0	0	0	36,21	43	Mosul		VIII	6,3	8	
1234	0	0	0	0	0	36,6	37	Northern Syria		VI-VII		2	
1235	0	0	0	0	0	40,7	46,5	Gence		VIII	6,3	1	
1236	0	0	0	0	0	39,75	39,5	Erzincan		VII	5,5	7,1	
1245	0	0	0	0	0	38,74	42,5	Ahlat, Van, Bitlis, Mu§		VII	5,5	1,7	I = V, at ref.7
1250	0	0	0	0	0	42,5	43,5	South part of Caphcasus	3	VIII		1	
1254	10	14	0	0	0	40	39	Erzincan, Sivas		VIII	6,2	7,1,19	
1261	0	0	0	0	0	41,4	43,2	Former Soviets	10	VIII	5,3	1	
1268	9	10	0	0	0	37,27	35,5	Adana, Ceyhan, Syria, Kozan		VIII-IX	6,2	37,2,8,5,19	60.000 deaths
1268	0	0	0	0	0	39,75	40,4	Erzurum, Erzincan		IX	6,9	7,1	15000 deaths
1275	6	27	0	0	0	38,45	42,28	Ahlat, Diyarbakir		VIII-X	5,8	8,2,19	I = V in Diyarbakir
1275	4	0	0	0	0	42	44	West of Tiflis		IX	6,8	1	
1281	0	0	0	0	0	39,75	39,5	Erzincan		VI		1	
1283	4	17	9	0	0	41,6	48	North Tebris, Samtekha		IX	6,5	18	
1287	3	11	0	0	0	35,2	36,7	Hama, Lazkiye		VII-VIII	5,8	19	
1287	0	0	0	0	0	35,6	35,75	Lazkiye and large vicinity, Latakia		VIII	6,8	8,1,2	
1287	5	8	0	0	0	39,75	39,5	Erzincan		VIII	6,2	1	
1290	0	0	0	0	0	39,75	39,5	Erzincan		VI		1	
1296	6	1	0	0	0	41	29	istanbul		VII-VIII	6	7,1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1303	7	30	0	0	0	37,3	22,1	Alexandria, Damascus, Iraq, Cyprus, Cairo, Antakya		X	7,3	11,12,8, 37	I = VI in Cairo, 8.8.1303 at ref. (37)
1305	0	0	0	0	0	41	29	Istanbul		VII	5,8	1,7	
1306	0	0	0	0	0	35,5	25,5	Crete		IX	6,8	1	
1308	0	0	0	0	0	39,75	39,5	Erzincan		VII	5,5	1,7	
1318	0	0	0	0	0			Amasya, Agn	10	VIII	5,5	13,1	
1319	0	0	0	0	0	40,4	43,6	Arpacay Valley	16	VII	5,4	1	
1322	1	20	0	0	0	35	36,4	Northern Syria		VIII	5,8	2,8	
1323	0	0	0	0	0	35	36,6	Syria		VIII	6,3	8	
1332	2	12	0	0	0	41	29	Istanbul		VII	5,8	1	
1339	1	13	0	0	0	34,6	36,2	Homs, Hama, Palestinia,Tripolis		VIII	6,8	2,8,11,12	
1343	1	1	0	0	0	37,3	37,5	Membiz, Damascus, Aleppo		VIII-IX	7,5	8,2,11, 12,19	M = 5,8at ref.(19)
1345	0	0	0	0	0	39,75	39,5	Erzincan		VI		1	
1346	0	0	0	0	0	41	29	Istanbul		VI-VII	5,6	10,1,7	
1354	3	0	0	0	0	40,7	27	Malkara, Gelibolu		IX	5,8	7,1	
1363	0	0	0	0	0	38,7	41,5	Mu§ and Vicinity		VIII	5,2	1	
1366	0	0	0	0	0	39,75	39,5	Erzincan		VI		1	
1374	12	8	0	0	0	39,75	39,5	erzincan		VII-VIII	5,8	1,7	
1384	8	6	0	0	0	39,25	26,35	Lesbos		VIII-IX	6,5	19,7,37	
1387	0	0	0	0	0	36,2	36,2	Antakya		VII	5,8	1,7	
1389	3	20	0	0	0	38,4	26,3	Izmir and Chios		IX	6,8	1,7	20.3.1388 and I = VI at ref.7, Tsunami
1403	12	19	0	0	0	36,14	37,1	Aleppo		VII	5,5	8,19	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1404	2	11	0	0	0	36,14	37,1	Almargab, Aleppo, Lattikia		VIII-IX	5,5	8,2,19	I = VI in Lattakia
1404	12	5	0	0	0	36,14	37,1	Aleppo		VIII	6,3	8	
1408	12	30	0	0	0	36,5	36,15	Antakya, Latakia, Aleppo		X-XI	7,5	8,2,19	I = X Aleppo, I = VIII in Antakya at ref.(2)
1415	0	0	0	0	0	40,55	35,85	Amasya		VII	5,5	13,1,7,48	
1417	0	0	0	0	0	40,2	29,1	Bursa		VII	5,8	6,1,7,63	
1418	0	0	0	0	0			Amasya, Bursa, Tokat				14,49	
1419	3	15	0	0	0	40,2	29,1	Bursa		X-XI	7,5	8,1,7	I = VIII atref.(1)
1419	5	11	0	0	0	41	28,57	Istanbul		IX	6,8	8	
1422	0	0	0	0	0	36,6	27,15	Nisiros, Kermebey				1	Volcanic activity
1433	0	0	0	0	0	39,75	39,5	Erzincan		VI		7,1	
1439	0	0	0	0	0			Van, Bitlis, Mu§		VI		1,7	volcanic activities in Nemrut
1441	0	0	0	0	0	38,35	42,1	Van, Bitlis, Mu§		VIII-IX	6,5	1,7	20.000 deaths volcanic activity in Nemrut
1443	0	0	0	0	0	41	29	Istanbul		VIII	6,3	1,7	
1456	4	13	0	0	noon	39,75	39,5	Erzincan		VIII	6,2	1	
1457	0	0	0	0	0	39,44	39,3	Erzincan, Syria, Azerbeycan, Armenia, Palestine		IX-X	7,6	8,1,7,2	I=X at ref.(7) and date is 1458 at ref. (1) I=VI in palestine it ref. (7)
1462	0	0	0	0	0	41	29	Istanbul		IX	6,8	1,50	
1481	3	15	0	0	0	36	28	Rhodes, Crete, SW of Anatolia		VIII	6,3	1,7,37	I = VI at ref.(7)felt in Cairo
1481	4	23	0	0	0			Istanbul and Vicinity		VIII	6,3	1	
1481	10	3	0	0	0	36	28	Rhodes		VIII	6	19,2,1	Tsunami
1482	12	21	0	0	0	39,75	39,5	Erzincan, Erzurum		IX-X	7,2	1,7	
1483	10	18	0	0	0	36,25	27,5	Leros, Cos		VIII	6,3	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1484	3	29	0	0	0	36,14	37,1	Aleppo		VI-VII		8,2,19	M = 5.0 atref.(19)
1490	5	6	0	0	0	41	29	istanbul		X	7,3	6,37, 50	Slight tremor in Egypt
1490	11	1	0	0	0	35	25	Crete		X	7,3	1	
1491	4	24	0	0	0	35,1	33,4	Nikosia, Bag		IX	6,8	1	
1493	8	18	0	0	0	36,75	27	Cos		IX	6,8	1	
1494	7	1	0	0	even.	35,5	25,5	Crete		VIII	6,3	1	
1495	1	5	0	0	0	37	27	Leros, Kilimina		VI	5,4	1	
1501	0	0	0	0	0	35,5	25	Crete		X	7,3	1	
1504	0	0	0	0	0			Yemen (zebid city)				15,43	
1507	0	0	0	0	0	41,04	29	Istanbul		VIII	6,3	1	
1508	5	29	0	0	0	35,5	25	Crete, Chios		X	7,3	1	
1509	0	0	0	0	0	40,55	35	forum, Dimetka		VIII-IX	6,5	1,7,11,17	I = VI at ref. (7)
1509	9	4	0	0	0	41	29	Istanbul		IX	6,8	12,6,16, 1,11,17, 26,49,51	Ramparts were demolished 13000, deaths, Tsunami
1510	11	16	0	0	0	41,7	26,6	Edirne and Vicinity Istanbul		VIII	6,3	1,7, 50	I = VI at ref. (7)
1513	0	0	0	0	0	40,65	38,85	Amasya		VI		7,1	
1514	0	0	0	0	0	38,4	38,6	Malatya, Adana, icel		VI-VIII		2,1,7	
1532	0	0	0	0	0	41	29	Istanbul		VII	5,8	1	
1537	0	0	0	0	0	35,8	36,3	Antakya, Damascus		VIII	6,4	2	I = IV in Damascus
1539	1	14	0	0	0	35,5	25	Crete		VII	5,8	1	
1542	12	12	0	0	0			Cyprus		VI	5,4	1	
1543	0	0	0	0	0	39,75	39,5	Erzincan		VII	5,5	7,1	
1544	1	22	0	0	0	38,2	37,15	Elbistan, Mara§		VIII	6,3	1	
1547	0	0	0	0	0	35	25	Crete		VIII	6,3	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1556	0	0	0	0	0	41	29	Istanbul Edincik, Hamiteli		VIII	6,3	6,64	
1556	0	0	0	0	0	41	29	Istanbul		VII	5,8	65	
1557	4	30	0	0	0	41	29	Istanbul		VIII	6,3	1,7	10.5.1557 of ref.(7)
1566	0	0	0	0	0	36	36,5	Jaruslam, Gaza Dead Sea		VII	5,2	2,19,1	
1569	12	14	0	0	0	41	29	istanbul		VI	5,4	1,7	
1571	3	5	0	0	0	41	29	Istanbul		VII	5,8	1,7	
1576	11	5	0	0	night	39,75	39,5	Erzincan		VII	5,5	1	
1577	0	0	0	0	0	35,5	36,5	Northern Syria, Palestine, Armenia, Limasol, Nikosia		VII	5	18,2,1,19	
1577	0	0	0	0	0							12	Large earthquake
1578	0	0	0	0	0	39,75	39,5	Erzincan		VII	5,5	7,1	
1582	0	0	0	0	0	38,35	42,1	Bitlis and large vicinity		VIII	6,2	1	
1583	5	28	0	0	0	39,75	39,5	Erzincan					
1584	6	17	0	0	0	39,75	39,5	Erzincan, Erzurum		VIII-IX	6,5	7,1	
1585	0	0	0	0	0	40,65	35,85	Amasya, and vicinity		VII	5,5	1	
1590	0	0	0	0	0	40,6	35,8	Amasya		VIII	6,2	13	
1592	0	0	0	0	0	41	29	istanbul		VI-VIII		7,1	
1592	9	0	0	0	0	38,5	27,9	Turgutlu, Salihli, Manisa,		VIII	6,3	1	Surface faulting
1595	11	16	0	0	0	35,5	25,5	Crete		VIII	6,3	1	
1598	0	0	0	0	0	40,4	35,4	Amasya, £orum		VIII-IX	6,5	1,7	
1599	1	14	0	0	0	36,4	25,4	Santorin		VIII	6,3	1	
1604	0	0	0	0	0	35,5	25,5	Crete		IX	6,8	1	
1605	0	0	0	0	0	40,4	43,6	Ani, Kars	20	VIII	5,6	7,1	
1608	0	0	0	0	0			Rhodes				12	
1612	11	8	0	0	0	35,5	25,5	Crete		VIII	6,3	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1615	6	5	11	0	0	44,9	35,5	Rastern Crimea	10-20	VIII	6	40	
1615	0	0	0	0	0	42,4	41,7	Borcha, Artvin	5	VIII		1	
1616	8	27	0	0	0	36,2	37	Hama		VI	5	19	
1616	0	0	0	0	0	36,2	28	Rhodes				12	
1617	8	0	0	0	0	44,9	35,8	Crimea		VI		40	There were several shocks.
1625	0	0	0	0	0	35,2	36,4	Hama, Damascus		VII-VIII	6,1	2	I = IV in Damascus
1629	2	27	0	0	0	36	25	Crete, Santorin		VIII	6,3	1	Tsunami
1633	7	30	0	0	0	41	29	Istanbul		VI	5,4	1,7	
1635	0	0	0	0	0	36,3	28,6	Rhodes		VI-VII	5,6	1,7	
1639	0	0	0	0	0			Thebriz, Damascus		VIII	6,3	12,2	I = VII in Damascus
1639	0	0	0	0	0	38,4	27,2	izmir		VI	5,4	1,7	
1640	3	19	1	0	0	44,9	35,7	Eastern Crimea		VI		40	
1641	5	0	0	0	0	41	29	Istanbul		VI	5,4	1,7	
1642	8	19	0	0	0	41	29	Istanbul		VIII	6,3	52,1	
1644	0	0	0	0	0	38,4	27,2	Izmir		VII	5,8	1	
1646	4	0	0	0	0	41	29	Istanbul		VII	5,8	51,7,1	
1647	4	2	0	0	0	39,15	44	Van, Tebriz, Mu§		VIII	6,2	20,53	3000 deaths
1647	0	0	0	0	0	40,55	35,85	Amasya				13	
1648	3	31	24	0	0	38,9	43,5	Van, Tebriz, Mu§		VIII-IX	6,7	20,18,7,1	2000 deaths
1648	6	28	16	0	0	41	29	istanbul		VIII	6,3	1	
1651	6	9	4	0	0	37,8	29,3	Denizli		VIII	6,3	1	
1652	0	0	0	0	0	34,7	36,3	Tripoli ,Palestine		VIII-IX	6,8	2	
1653	2	23	0	0	0	37,9	28,3	Aydm, Sultanhisan, Guzelcehisar		IX	6,8	20,7,1,	3000 deaths

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
												52,54,55	
1654	5	22	0	0	0	38,4	27,2	Izmir		VI	5,4	7,1	
1656	0	0	0	0	Tuesd			Eastern Crimea				4,0	
1659	2	6	0	0	0	41	29	Istanbul and vicinity		IX	6,5	1,7	
1659	0	0	0	0	0	40	41,3	Erzurum		IX	6,5	18,21,1,7	Tower of the castle was demolished
1660	0	0	0	0	0	36,2	28	Rhodes		VII	5,8	1,7	
1662	0	0	0	0	0	35	25	Crete		IX	6,8	1	
1664	0	0	0	0	0	38,3	46,4	Tebriz		VII-IX		22,1,12, 21	50.000 deaths
1664	0	0	0	0	0	38,4	27,2	Izmir		VII	5,8	7,1	
1664	0	0	0	0	0			Van				12,23	Van's tower was demolished.
1667	2	0	0	0	0	38,4	27,2	Izmir		VIII	6,3	1	
1667	6	28	0	0	0	39,75	39,75	Erzurum		VIII	6,2	12,1,7	
1668	7	3	0	0	0	40,7	31,6	Bolu, Kastamonu		VIII	6,3	1,7	
1668	8	18	0	0	0	41,2	33,8	Kastamonu, Bolu		VII	5,8	12	Identical with 17.8.1668
1668	8	17	0	0	0	40,9	36	Amasya, Tokat		IX	8	37,13,1	faulting 380 -400 km
1670	8	1	0	0	0	38	42	Hizan		VIII-IX	6,5	18	
1672	5	25	0	0	0	40,7	29,9	Izmit		VII	5,8	7	
1672	0	0	0	0	0	36,5	25,5	Santorin, Cos		IX	6,8	1	
1674	0	0	0	0	0	40,2	29,1	Bursa		VII	5,8	1,7	
1679	6	4	6	0	0	40,2	44,8	Yerevan, Agn	9	VIII	6,1	39,12,1,7	
1681	1	10	0	0	0	35,5	25,5	Crete		VIII	6,3	1	
1682	6	13	22	30	0	41,7	44,8	Southwest of Tiflis	10	VII	5,8	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1685	11	22	23	0	0	39	41	Gazeli, Van, Agn		VIII-IX	6,7	18	
1685	9	14	0	0	0	40,5	36	Amasya		VIII	6,2	13,1,7	
1685	9	9	0	0	0	38,4	27,15	izmir		VI	5,4	1	
1687	12	18	0	0	0	38,4	27,2	Izmir		VIII	6,3	12,23	
1688	7	10	11	0	0	38,4	27,2	Izmir		X	7,3	1,7	
1688	9	10	0	0	0	39,15	26,5	Lesbos, chios, Santorin		VIII	6,3	1,7	
1688	8	10	8	0	0	38,4	27,2	Izmir		VI	5,4	1	Aftershock of the 10.7.1688 earthquake
1690	1	13	0	0	0	38,4	27,2	Izmir		VII	5,8	24,1	
1690	7	11	0	0	night	41	29	Istanbul		VII	5,8	12,24,7, 1, 23,21	It destroyed part of the Topkapi
1692	10	27	0	0	Evn.			Van				1	
1693	0	0	0	0	0	36,5	41,9	Jabel mount		VIII-IX	6,7	2	
1694	3	5	3	0	0	38,4	27,2	Izmir, Chios		VI	5,4	24	
1694	6	0	0	0	0			Egriboz, Islands		VI	5,4	24	
1696	4	14	0	0	0	39,1	43,9	£aldiran, Van		IX	7	18	
1698	0	0	0	0	0	41	29	Istanbul		VI	5,4	24,12,41	
1701	3	7	0	0	0	38,4	43,5	Van and vicinity		VIII	6,2	1	
1701	0	0	0	0	0	38,4	27,2	Izmir		VI	5,4	24,4	
1702	0	0	0	0	0	37,8	29,1	Denizli		VII	5,8	12,24,23	
1703	0	0	0	0	0	37,8	29,1	Denizli, Saraykoy, Pamukkale		VIII	6,3	23,1	
1704	0	0	7	0	0	38,7	35,5	Kayseri				20,27	
1705	1	27	0	0	0	38,7	41,7	Van		VIII	6,7	18,1	1704 at ref.1
1706	12	26	0	0	0			Konya		VII	5,8	24	Damaged the Davutpa§a Mosque

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1707	0	0	0	0	0	40,6	43,1	Kars and vicinity		VII	4,5	7,1	
1707	6	2	0	0	0	41	29	Istanbul, Gelibolu		VI	5,4	24,25,1, 23	Strongly felt in izmir
1709	7	3	0	0	0			Foca		VIII	6,3	24	Destroyed the Foca castle
1712	0	0	0	0	Friday	41	29	Istanbul		VI	5,4	12	
1714	0	0	0	0	0	38,7	35,5	Kayseri		VI-VII	5	26,7	Demaged to the Great Mosque
1715	8	3	6	0	0	38,4	43,9	Van		VIII	6,6	18	
1717	6	7	0	0	Friday	38,7	35,5	Kayseri		VIII-IX	6	27,26,12, 28,2,19	9000 deaths
1717	0	0	0	0	0	37,8	29,1	Denizli				12	
1719	5	24	0	0	noon	40,75	29,75	Izmit, Iznik, Karamursel		VIII-IX	6,5	12,26,1, 23	
1719	3	6	0	0	0	39,5	36,9	Aleppo, Iskenderun		VIII	6,4	2,19	
1719	3	0	0	0	0	38,5	27	Izmir		VIII	6,3	1	
1719	3	6	0	0	0	41	29	Istanbul		VI	5,4	7,1	
1723	0	0	0	0	0	41	29	Istanbul (Karaman Bazaar)		VI	5,4	12	
1726	4	0	0	0	0	36,3	36,6	Iskenderun, Aleppo		VIII	6,1	2,19	M = 5.0 at ref. 19
1729	0	0	0	0	0	41	29	Istanbul		VI	5,4	12,1	
1730	0	0	0	0	0			Iskilip				12	
1735	12	0	0	0	0	35,1	34	Cyprus		VIII	6,3	2,1	
1735	10	25	0	0	0			Amasya				13	
1737	0	0	0	0	0	41	29	Istanbul		VII-VIII	6	7,1	
1737	3	6	0	0	0	38,4	27	Izmir		VII	5,8	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1737	0	0	0	0	0	36,2	36,2	Antakya		VI		2,1	
1739	3	24	0	0	0	38,4	27,2	Izmir		VIII	6,3	7,1	I = V at ref.(l)
1739	4	4	4	30	0	38,4	27,2	Izmir		IX	6,8	1	
1741	0	0	0	0	0	35,1	33,9	Cyprus		VII	5,8	1	
1746	0	0	0	0	0			Edirne, istanbul		VII	5,8	29,1	
1751	6	7	0	0	0	37,75	27	Aegean Sea		X	7,3	1	
1752	7	21	0	0	0	35,2	35,5	Latakia, Tripoli,		VIII-IX	7,1	2,5,19	Tsunami, M = 5.2 and I = VII at ref.(19)
1752	7	18	0	0	0	40,8	26,3	Ke§an and vicinity		VIII	6,3	1	
1752	5	26	0	0	0	41	29	Istnabul, Edirne,		VII	5,8	1,50,56	
1752	7	29	20	0	0	41,7	26,5	Edirne, Havza		IX	6,8	1	
1753	0	0	0	0	0	41	29	Istanbul		VII	5,8	57	
1754	7	0	0	0	0	38,4	27,15	izmir		VII	5,8	1	
1754	0	0	0	0	0	39,75	37	Sivas		VII	5,5	1,7	
1754	0	0	0	0	0	41	29	Istanbul		VI	5,4	25,7	
1754	9	2	21	45	0	40,8	29,4	Izmit bay, Istanbul		IX	6,8	1,7	
1757	1	20	0	0	0	41	29	Istanbul		VI	5,4	7,1	
1759	11	26	0	0	0	34,8	36	Northern Syria, Aleppo		VIII	6	19,2,1	
1759	2	17	0	0	0	36,2	37	Syria, Aleppo, Antakya		VI	5,4	19,2,7,1, 57,58	
1759	10	30	0	0	0	33,5	36,3	Damascus, Antakya		IX	6,8	19,2,1	
1762	11	2	0	0	0	40,15	26,4	f anakkale		VII	5,8	1	
1763	9	3	0	0	0	41	29	istanbul		VIII	6,3	25,1,7	
1763	1	13	0	0	0	38,4	27,5	Izmir		VII	5,8	7,1	
1764	2	14	0	0	0	36,2	37	Tripoli, Syria Aleppo		VIII	6,3	19,2,1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1766	8	5	0	0	0	41,5	26,3	Edirne, istanbul		VII-VIII	6	17,1,7	
1766	4	23	0	0	0	40,8	28,2	f orlu, f ekmece, Erdemli		VIII	6,3	26,1,17, 50,57	
1766	0	0	0	0	0	38,5	30,5	Afyon, §av§at		VII	5,8	1,7	
1766	11	13	0	0	0	41	29	istanbul		VII	5,8	1	
1766	10	9	0	0	0	39,95	41,7	Pasinler, Tor turn, ispir		VII	5,5	1,7	
1766	9	5	0	0	0	38,41	27,2	izmir		VI	5,4	1,7	
1766	5	22	5	30	0	41	29	Istanbul		IX	6,8	1	
1769	2	20	0	0	0	41	29	istanbul		VI	5,4	1	
1771	8	8	0	0	0	38,4	27,2	izmir		VI	5,4	7,1	
1775	0	0	0	0	0			Merzifon, Koprti		VII	5,5	59	
1776	6	16	0	0	0	38,4	27.20.	izmir		VIII	6,3	1,7	
1778	7	3	2	30	0	38,4	27	Izmir		VIII	6,3	1	
1780	10	28	0	0	0	35	25,75	East Crete		X	7,3	1	
1781	0	0	0	0	0	36	42,5	Iraq		VIII	6	19	
1781	1	27	0	0	0	39,9	41,3	Erzurum		VII	5,5	7,1	
1783	7	20	0	0	0	35,6	34,4	Northern Syria, Aleppe		VII	6,5	2	I = VI in Aleppo
1783	6	1	0	0	0	41	29	Istanbul		VI	5,4	7,1	
1784	10	26	0	0	0	41	25,5	Gumulcune		VIII	6,3	1	
1784	7	23	0	0	0	39,75	39,5	Erzincan, Erzurum, Pulumur		VIII	6,2	59,1	
1785	0	0	0	0	0	41,8	42	Batum	7	VII		1	
1785	4	26	0	0	0	38,4	27,15	Izmir		VI	5,4	7,1	
1786	1	30	0	0	0	38,4	27,15	Izmir		VI	5,4	1	
1787	0	0	0	0	0	39,75	39,5	Erzincan		VIII	6,2	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1789	5	29	20	30	0	38,9	39,5	Pertek, Tunceli, Elazig, Palu		VII-VIII	7,3	26	Io = X
1790	0	0	0	0	0	49,9	41,3	Erzurum		VIII	6,2	1	
1794	6	16	0	0	0	41	29	Istanbul		VI	5,4	7,1	
1795	0	0	0	0	0	38,75	30,5	Afyonkarahisar		VIII	6,3	7	
1795	12	0	0	0	0	36,2	37	Aleppo		VII	5,8	2,9,5,1	
1796	2	26	0	0	0	35,4	39,7	Lattakia, Palestine		VIII	6,3	2,19	
1796	4	26	0	0	0	37	38	Northern Syria		VI	5,4	19,5	
1802	0	0	0	0	0	34	36	Lebanon		VI	5	19,2	
1803	10	29	0	0	0	41,7	44,8	Southwest of Tiflis	10	VI		1	
1809	0	0	0	0	0	38,25	26,25	Chios		VII	5,8	1	
1809	0	0	0	0	sund.			Iskilip		VI	5,4	3	
1814	1	0	0	0	0	35	26,25	East Crete		VII	5,8	1	
1815	12	0	0	0	0	35	25,75	Crete		IX	6,8	1	
1817	0	0	0	0	0	37,75	27	Samos		VII	5,8	1	
1817	10	31	0	0	0	38,4	27,2	Izmir		VI	5,4	7,1	
1819	2	0	0	0	0	36,7	37,1	Northern Syria Antakya, Alep		VI-VIII	5,3	2	
1819	1	29	19	0	0	41,7	44,8	Armenia		VI		1	
1820	3	17	0	0	0	38,4	26,1	Chios		VI-VIII		7,1	
1822	8	13	0	0	0	36	36	Antakya		VIII	6	19, 60	20000 deaths
1822	9	5	0	0	0	36	36	Antakya		VIII	6	19,5	
1822	7	13	0	0	0	36,1	37,2	Antakya, Kilis Lattakie		IX	6,8	19,2,5,7,1	13.8.1822 at ref.1, Tsunami
1825	0	0	0	0	0	40,55	35,85	Amasya		VIII-IX	6,5	13	Black water came out from the ground

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1825	1	7	0	0	0	38,4	27,2	Izmir		VI	5,4	1	
1826	2	8	20	30	0	39,5	28	Balikesir		VIII	6,3	1	
1826	5	12	0	0	0	39,1	26,5	Lesbos, Izmir		VI	5,4	1	
1827	0	0	0	0	0	40,7	36,6	Erba, Tokat		VIII	6,3	1	
1827	10	20	12	0	0	40,7	44,8	Yerevan, Leninakan		VIII	5,6	39,18,1	
1828	6	15	5	0	0	38,4	27,2	Izmir		VII	5,8	7,1	
1831	4	3	0	0	0	37,75	27	Samos		VII	5,8	7,1	
1831	2	22	0	0	0	36	36	Aleppo		VI		19,2,1	
1835	8	1	3	30	0	39,75	35,7	Kayseri, Mimarsinan		VIII	6,3	26,4,61	600-700 deaths
1835	8	30	0	0	0	41	29	istanbul		VI	5,4	7,1	
1835	11	25	0	0	0	40,15	26,6	f anakkale		VI	5,4	7,1	
1839	10	29	0	0	0	38,4	27,15	Izmir		VI	5,4	1,7	
1840	0	0	0	0	0	38,4	27,15	Izmir		VI	5,4	1	
1840	7	2	19	0	0	39,5	43,9	Ararat		IX	7,4	18	
1841	5	17	0	0	0	39,4	45	Borderland of Iran		VI-VII	5,6	1	
1841	11	27	0	0	0	38,4	27,2	Izmir		VI-VII	5,6	7,1	
1841	10	6	2	30	0	41	29	Istanbul		VII	5,8	3,1	
1841	9	22	16	0	0	39,5	44,1	Dogu Beyazit, Agn		VII		1,7	
1842	7	12	0	0	0	37,5	30	Isparta, Burdur		VI	5,4	1,7	
1843	10	18	0	0	0	36,25	27,5	Rhodes, Aegean Region		IX	6,8	1,7	600 deaths, I = V at ref (7)
1844	1	1	0	0	0	39,9	41,3	Erzurum		VI-VII	5,2	1,7	
1844	5	12	0	0	0	40,98	34,8	forum, Ankara		VII-VIII	6	7,1	
1844	9	19	0	0	0	36,2	37,1	Aleppo, Syria		V		2	
1845	12	1	0	0	0	39,1	26,5	Lesbos, Chios		VI-VIII		1,7	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1845	10	9	0	0	0	39,3	26,3	Lesbos		VI-VII	5,6	7,1	
1845	6	23	0	0	0	38,6	27,5	Manisa, izmir		VIII	6,3	1	
1845	5	24	1	0	0	41,6	43,5	Kars	12	VII	4,6	1	
1846	3	11	0	0	0	38,5	26,5	Karaburun, Izmir, Lesbos		VI	5,4	1	
1846	4	23	21	0	0	42,4	42,8	South Caphasus		VI	5,4	1	
1846	9	19	0	0	0	40,4	26,65	Gelibolu		VI	5,4	1,7	
1846	6	21	0	0	0	37,75	27	Samos, Soke		IX	6,8	1,7	
1847	0	0	0	0	0	36,6	36,1	Iskenderun		VII	5,8	1,7	
1847	6	29	0	0	0	37,85	27,18	Aydm Tire		VI	5,4	1,7	date is given as 1847 at ref. (7)
1847	7	4	0	0	0	40,4	26,65	Gelibolu		VI	5,4	7,1	
1848	3	31	24	0	0	38,3	43,5	Van		IX	6,7	18	2000 deaths
1849	0	0	0	0	0	37,75	30,55	Isparta		VI	5,4	1,7	
1850	4	3	3	10	0	38,4	27,45	Izmir, Turgutlu		VIII	6,3	1,7	
1850	10	13	9	23	0	38,4	27,2	Izmir, Manisa, Turgutlu, 6demi§		VIII	6,3	1	
1850	0	0	0	0	0	39,9	41,3	Erzurum and vicinity		VII	5,5	7,1	
1850	7	9	6	20	0	37,8	27,8	Aydm		VI	5,4	1	
1850	7	10	4	45	0	41	29	Istanbul		VI	5,4	1	
1851	4	21	0	0	0	40	28,4	M.Kemal Pa§a, Bursa		VII-VIII	6	1,7	
1851	8	23	21	0	0	40	28,4	M.Kemal Pa§a, Bursa		VII	5,8	1	
1851	2	28	0	0	0	36,5	29,1	Fethiye, Mugla, Rhodes		IX	6,8	1,7	Tsunami, I = VI at ref. (7)
1852	10	19	3	25	0	36,6	29,1	Fethiye, Mugla		VII	5,8	1	
1852	7	26	1	0	0	42,2	42,7	Kars, Border of former Soviet		VI		1,7	
1852	8	29	0	0	0	39,9	41,3	Erzurum		VI		1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1852	7	24	0	0	0	39,9	41,3	Erzurum		IX	6,9	1,7	
1852	0	0	0	0	0	40	28,4	Bursa				4	
1853	1	18	6	0	0	40,6	44,9	Armenia	8	VIII	6,3	1	
1854	2	2	0	0	0	36	36	Antakya, Samandag, Aleppo		VI	5,4	19,1,7	
1854	2	9	0	0	0	40	28,4	Bursa		VI	5,4	30,66	
1854	3	13	7	45	0	42,8	44	Georgia		V		1	
1855	3	2	0	0	0	36,6	29,1	Fethiye, Mugla		VIII	6,3	61,1	
1855	12	18	1	20	0	36,4	27,2	Izmir		VII	5,8	1	
1855	1	24	4	50	0	41	29	Istanbul		VI	5,4	1	
1855	0	0	0	0	0	37,06	35,75	Ceyhan, Adana		VI	5,4	1	
1855	12	15	21	30	0	41	29	Istanbul		VI	5,4	7,1	
1855	0	0	0	0	0	35,5	36	Antakya, Aleppo		VI		2	
1855	2	28	3	0	0	40,2	29	Bursa		IX	6,8	1	
1856	4	11	19	40	0	40,2	29,1	Bursa		X	7,3	1,7	
1856	10	12	0	45	0	36,25	28	Crete, Rhodes		X	7,3	31,4,1	Tsunami
1857	2	12	3	0	0	38,4	27,2	Izmir		VII	5,8	1	
1857	0	0	0	0	0	36,85	28,3	Marmaris		VI	5,4	7,1	
1858	8	0	0	0	0	42,75	23,5	Sofia and vicinity		VII	5,8	28	six people died
1858	4	19	0	0	0	40,2	29	Bursa		VI	5,4	7	
1858	4	27	0	0	0	41	29	Istanbul		VI	5,4	7,1	
1859	6	2	10	30	0	40,1	41,5	Erzurum		VIII-IX	6,5	18	2000 deaths
1859	1	21	21	30	0	39,98	41,7	Erzurum		VIII	6,2	7,1	
1859	6	26	10	0	0	39,9	41,3	Erzurum		VII	5,5	1	
1859	8	20	0	0	0	38,5	26	Chios		VI	5,4	7,1	
1859	8	21	2	0	0	40,25	25,9	Aegean sea, imroz		IX	6,8	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1860	8	17	0	0	night			Gelibolu, chios, Edirne		VIII	6,3	1	
1860	6	4	0	0	0	40,2	29,1	Bursa		VII	5,8	1	
1860	8	6	0	0	0	40,5	25,5	Aegean Sea		VII	5,8	1	
1860	12	3	0	0	0	39,9	41,3	Erzurum		VII	5,5	1	
1860	12	2	4	0	0	39,4	30	Kutahya, Manisa, Izmir		VI	5,4	1,7	
1862	6	21	4	57	0	36,5	25	Santorin, Crete		VIII	6,3	32,1	
1862	10	16	0	0	0	38,8	30,5	§ukut, Afyon		VIII	6,3	17	1863 at ref.(7)
1862	5	24	0	0	0	36,8	28,3	Marmaris, Rhodes		VII	5,8	1,7	
1862	10	0	0	0	0	40	30,1	Bilecik, Sogiit		VII	5,8	1	
1862	10	7	0	0	0	41	29	Istanbul		VI	5,4	7,1	
1862	11	3	3	0	0	38,4	27,7	Turgutlu, Manisa		IX	6,8	1	
1863	8	16	0	0	0	38,25	26,1	Chios		VIII	6,3	1	Hot water sources appeared
1863	4	22	20	30	0	36,5	28	Rhodes and large vicinity		IX	6,8	5,1	
1863	11	6	10	0	0	-	-	Gemlilk bay, umurbey, Bursa		IX	6,8	1	
1864	10	2	0	0	0	36,1	29,6	Fethiye, Meis Island		VIII	6,3	7,1	
1865	2	23	0	0	0	39,3	26,2	Lesbos, f anakkale		VIII	5,5	1	80 deaths
1865	7	23	21	30	0	39,4	26,2	Lesbos, ***Q***anakkale, Gelibolu		IX	6,8	1	Felt in Istanbul
1866	6	20	14	0	0	38,5	41	Erzurum, Kulp		VIII	6,5	18,7	
1866	1	11	0	0	0	36,2	28	Rhodes		VIII	6,3	1,7	I = VI at ref.7
1866	1	31	0	0	0	36,4	25,3	Santorin Island		VIII	6,3	1	
1866	2	2	0	0	0	38,25	26,25	Chios		VIII	6,3	1	
1866	7	22	0	0	0	38,4	39,4	Hazar Golti, Elazig		VIII	6,2	1,7	
1866	1	13	0	0	0	38,25	26,2	Chios, Gelibolu, Bursa, Edirne		VII	5,8	1	
1866	2	14	3	15	0	40,2	29,2	Bursa		VI	5,4	7,1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1866	4	25	0	0	0	38,4	27,2	izmir, Selguk, Aziziye		VI	5,4	7,1	
1866	10	0	0	0	0	38,3	31,9	Ilgm, Konya		VI	5,4	7,1	
1866	9	22	10	0	0			U§ak, Bursa		VI	5,4	1	
1867	4	11	0	0	0	39,3	26,5	Lesbos, Ayvalik, Edremit		VII	5,8	1	
1867	7	22	3	0	0	39,3	26,2	Lesbos, Izmir		VII	5,8	1,7	
1867	3	7	6	0	0	39,1	26,5	Lesbos and large vicinity Edremit		IX	6,8	1,7	
1868	2	18	17	0	0	41,8	43,8	Kars, Erzurum, Ardahan		VII-VIII	5,8	1,7	
1868	4	20	0	0	0	36	28	Rhodes		VIII	6,3	1	
1868	4	2	3	30	0	40	41,7	Pasinler, Erzurum		VIII	6,2	1	
1868	5	30	0	0	0	37,75	27	Samos, Aegean Sea		VII	5,8	1	
1868	4	23	0	0	0	39,3	26,4	Lesbos, f anakkale		VI	5,4	1	
1868	12	9	11	30	0	42,4	44,6	Baku, Kars		VI	5,4	1,7	
1869	4	18	4	0	0	36,6	27,8	Rhodes, Kaliminos		VIII	6,3	1	
1869	12	1	18	0	0	36,8	27,9	Kerme bay, Marmaris, Mugla		VIII	6,3	7,1	
1869	12	26	19	0	0	40,7	44,3	Gumrii-Kars, Erivan		VIII	6,3	1	
1869	0	0	0	0	0	38,4	42,1	Bitlis and vicinity		VI		7,1	
1870	8	9	11	10	0	39,9	27,3	Balikesir, f anakkale		VI-VIII		7,1	
1870	1	22	0	0	0	36,5	29	Fethiye, Rhodes		VI-VII	5,5	1,7	Fault which is larger than 20 km
1870	7	11	2	40	0	38,4	27,15	Izmir		VII		1	
1870	1	3	0	0	0	40,5	26,5	Saros, bay		VI	5,4	7,1	
1870	7	14	0	0	0	41,7	26,6	Vicinity of Edirne		VI	5,4	1	
1870	7	19	14	30	0	41,8	42	Batum		VI	5,4	1	
1870	0	0	0	0	0	35,3	25,2			IX-X	7	19	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1871	10	8	11	10	0	38,4	26,1	Chios, Aegean Sea		VII-VIII	6	1,7	
1871	12	2	13	45	0	39,9	43,1	Agn region		VIII	5,7	1	
1871	6	7	0	0	0	36,8	28,2	Marmaris and Sporat Island		VII	5,8	7,1	
1871	10	11	0	0	0	40,4	26,7	Gelibolu		VII	5,8	1,7	I = V at ref.7
1871	2	24	1	0	0	40,2	29,1	Bursa		VI		7,1	
1871	3	17	0	0	0	38	43	Hakkari, Van		IX	6,8	18	
1872	4	3	7	45	0	36,25	36,1	Antakya, Samandag		VIII-IX	7,3	2,19,1	
1872	5	15	0	0	night	36,2	36,1	Antakya		VII	5,8	1	
1872	4	7	3	0	0	37,7	26,9	Samos-Aegean Sea		VI	5,4	1	
1872	1	13	10	15	0	40,4	27,8	Erdek		VI		7,1	
1872	1	17	0	0	0	40,2	29	Bursa, istanbul		VI		7,1	
1872	2	26	0	0	0	37,8	26,8	Samos		VI		1,7	
1873	2	14	0	0	0	36,1	35,9	Antakya		VI-VII	5	19,2,1	
1873	2	13	0	0	0	40,5	37,8	Niksar, Yozgat, Ankara, Xebink		VIII	6,3	1,7	
1873	6	2	0	0	0	36,5	27,2	Nisiros		VII	5,8	1	
1873	11	9	0	0	0	40,5	25,6	Aegean Sea, Semendirek		VII	5,8	7,1	
1873	1	13	10	30	0	40,4	26,7	Gelibolu, Canakkale, Tekirdag		VII		1	
1873	6	26	0	0	0	41	29	Istanbul		VI	5,4	1,7	
1873	11	1	0	0	0	38,76	30,55	Afyon		VI	5,4	7,1	
1873	2	1	1	0	0	37,75	27	Samos, Izmir, Aydm		IX	5,5	1	
1874	11	16	6	0	0	38,4	27,2	Izmir, Rhodes		VII-VIII	6	1,7	
1874	4	4	0	0	0	38,4	39,5	Maden, Elazig, Diyarbakir, Harput		VII	5,8	1,7	
1874	6	28	0	0	0	37,8	26,8	Samos		VII	5,8	7,1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1874	7	5	0	0	0	39,2	26,3	Lesbos, Aegean Region		VII	5,8	7,1	
1874	8	18	0	0	Even.	40,2	26,4	***Q***anakkale Edremit, Bahkesir		VI		1,7	
1874	2	25	19	30	0	41,7	43,5	Ahilkelek		V		1	
1875	11	1	10	0	0	39,9	41,3	Erzurum		X	7,3	1	
1875	5	11	5	0	0	38,4	27,2	Izmir		VI-VII	5,6	7,1	
1875	7	7	0	0	0	37,75	26,9	Samos, Aegean Sea		VIII	6,7	1	
1875	3	27	0	0	0	39,3	41	Bingol Kanliova, Elazig		VIII	6,1	1	
1875	3	5	0	0	0	40,2	26,4	***Q*** anakkale		VII	5,8	1	
1875	11	1	0	0	0	38,6	26,5	Karaburun-Izmir		VII	5,5	7,1	
1875	12	23	4	0	0	40,6	26,4	f anakkale, Ezine		VI	5,4	1	
1875	8	21	0	0	0	36,2	36,1	Vicinity of Antakya		VI	5	19	
1875	8	31	0	0	0	37,8	26,8	Samos		VI		7,1	
1875	5	3	9	0	0	38,1	30,1	Dinar, Afyon, f ivril, Denizli		IX	6,8	19,5,7	
1875	10	0	0	0	0	40,2	26,4	Vicinity of f anakkale		IX	6,8	7,1	Landslide
1876	5	13	6	0	0	38,8	30,5	Afyon		VIII	6,7	1,7	
1876	11	0	0	0	0	37,7	26,8	Samos, Aegean region		VI	5,4	1,7	
1876	4	17	0	0	0	40,2	29,1	Bursa		VI	5,4	1,7	
1876	6	0	0	0	0	37,7	30,2	Burdur		VI	5,4	1,7	
1877	10	13	0	0	0	40,6	27,6	Marmara Island		VIII	6,3	7,1	I = V in istanbul ,f anakkale, I = IV Edirne
1877	8	8	6	30	0	42,6	43,5	Caucasus		VI	5,4	1	
1877	7	0	0	0	0	39,9	41,3	Erzurum		VI		1,7	
1877	0	0	0	0	0	40,6	36	Amasya		VI		1	
1878	4	19	9	0	0	40,7	29,3	Izmit, Istanbul, Bursa		VIII	6,3	1,7	
1878	4	9	0	0	0	37,85	27,85	Aydm, Izmir		VI	5,4	1,7	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1880	3	28	0	0	0	42	35,2	Vicinity of Sinop		VIII	6,3	1,7	I = VI at ref.7
1880	7	22	0	0	0	38,1	27,8	Tire-Izmir		VIII	6,3	1,7	
1880	10	0	0	0	0	41	29	istanbul		VI	5,4	1,7	
1880	7	29	4	40	0	38,6	27,1	Menemen, izmir		IX	6,7	1,7	Faulting larger than 10 kms.
1881	4	3	11	30	0	38,25	26,1	Chios, f esme, izmir, Aydm		X	7,3	1,7	More than 4000 deathts, I = VI at ref.7
1881	9	28	0	0	0	40,6	33,6	f ankm		VIII	6,3	1,7	
1881	10	4	0	0	0	40,6	26,7	Gelibolu, Edirne		VI	5,4	1	
1881	5	30	0	0	0	38,5	43,3	Van, Bitlis, Mu§		IX	6,9	1	
1882	3	21	0	0	0	38,4	26,1	Chios		VII	5,8	1	
1882	0	0	0	0	0	41	34	Tosya, Kastamonu, Iskilip, forum		VI	5,4	1,7	
1883	11	3	6	0	0	40,6	43,1	Kars Yerevan		VIII	6,3	1	
1883	0	0	0	0	0	41	33,7	Kastamonu, f ankin		VI	5,4	1	
1883	10	15	15	30	0	38,3	26,3	f e§me Peninsula, Chios		IX	6,8	7,1	15000 deaths
1884	5	13	0	0	0	40,4	27,8	Bandirma, Erdek		VI-VII	5,6	7,1	
1884	2	10	0	0	0	37,8	42,6	Pervari, Siirt		VII	6,3	1,7	I = Vl at ref.7
1884	10	0	0	0	0	38,4	27,2	Izmir, f e§me		VII	5,8	1,7	
1884	6	6	0	0	0	36,3	36,7	Aleppo		VII	5,4	2	
1884	1	23	0	0	0	39,8	26,3	Ezine, f anakkale		VI	5,4	1	
1884	2	1	0	0	0	40,2	29,1	Bursa		VI	5,4	1	
1884	2	28	0	0	0	38,4	27	Urla, Izmir		VI	5,4	1,7	
1884	4	6	0	0	0	36,2	36,7	Antakya		VI	5,4	19	
1884	12	4	0	0	0	38,4	27,2	Izmir		VI	5,4	1,7	
1885	6	0	0	0	0	37,85	28,2	Nazilli, Aydm		VI	5,4	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1885	7	5	0	0	0	41	29	Istanbul		VI	5,4	1	
1885	8	0	0	0	0	38,45	28,5	Ala§ehir-Manisa		VI	5,4	7,1	
1885	0	0	0	0	0	41,3	34,3	Sinop, inebolu, Tosya,£ankin,		VI	5,4	7,1	
1885	2	29	0	0	0	37,2	27,2	Messene, Greece		IX	6,8	1	
1886	12	11	0	0	0	38,4	26,1	Chios, Izmir		VIII	6,1	1	
1886	9	4	0	0	0	39,25	26,5	Lesbos, Aegean Sea		VII	5,8	1,7	
1886	11	27	8	5	0	38,25	26,1	Chios, Izmir, f e§me		VII	5,8	1	
1886	4	0	0	0	0	37,8	29,1	Denizli, Isparta		VI	5,4	1,7,62	
1886	8	0	0	0	0	41	29	Istanbul		VI	5,4	1,7	
1886	3	0	0	0	0	39,9	41,3	Vicinity of Erzurum		VI	4,9	1,7,42	
1887	1	0	0	0	0	37,8	29,1	Denizli		VI-VII	5,6	1,7	
1887	5	14	5	30	0	40	25,5	Lemos		VIII	6,3	1	
1887	7	17	7	45	0	36	26	Rhodes, Crete, SW, Anatolia		VIII	6,3	1	
1887	7	7	17	45	0	42,1	42	Batum		VII	5,8	1	
1887	8	6	0	0	0	36,9	28,7	Koycegiz, Mugla, Denizli		VII	5,8	1,7	
1887	7	0	0	0	0	40,3	36,5	Tokat, Erzurum,		VII	5,5	1,7	
1887	6	18	0	0	0	38,4	26,1	Chios		VI	5,4	7	
1887	9	0	0	0	0	40,2	29,1	Bursa		VI	5,4	1,7	
1888	5	0	0	0	0	38,4	26,1	Chios, ***Q***e§me, Karaburun		VIII	6,3	1,7	
1888	9	23	0	0	0	41,1	42,8	Adahan, Kars		VIII	6,2	1,7	
1888	10	0	0	0	0	38,2	28	Izmir, Aydm, 6demi§		VII	5,8	7,1	
1888	5	0	0	0	0	39,75	39,5	Erzincan		VII	5,5	1,7	
1888	3	15	0	0	0	38,4	26,1	Chios and vicinity		VI	5,4	1,7	
1888	4	0	0	0	0	41,4	27,1	Edirne, Tekirdag		VI	5,4	7,1	
1889	11	3	0	0	0	39,3	26,3	Lesbos		VIII	6,3	1	

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1889	0	0	0	0	0	38,7	39,9	Palu, Elazig, Karliova		VI		7	
1889	10	25	23	20	0	39,3	26,3	Lesbos, Izmir, Chios, f anak.		IX	6,8	1,7	I = VII at ref.7, felt in Istanbul, Tekirdag
1890	5	26	0	0	0	38,5	25,5	Chios, Rhodes, Aegean Sea		VI-VII	5,6	1,7	
1890	3	9	0	0	0	36,8	27,25	Cos, Aegean region		VII	5,8	1	
1890	4	25	0	0	0	39,3	26,3	Lesbos		VI	5,4	1,7	
1890	8	20	0	0	0	38	28	Izmir, Denizli		VI	5,4	7	
1890	10	28	19	0	0	41,9	44,6	Tiflis, Trabzon		VI	5,4	1	I = V in Trabzon
1890	12	14	16	30	0	37,85	27,3	Selcuk, Ku§adasi, Izmir		VI	5,4	7,1	
1890	0	0	0	0	0	40,6	36,9	Vicinity of Niksar		VI	5,4	1	
1890	0	0	0	0	0	41,3	33,8	Kastamonu		VI	5,4	1	
1890	11	0	0	0	0	38,35	38,3	Malatya		VI		1,7	
1890	5	20	0	0	0	39,9	38,8	Erzincan		IX	6,9	1	
1891	3	26	0	0	0	38,4	26,1	Chios and vicinity		VI	5,4	1,7	
1891	11	0	0	0	0	41	37,9	Trabzon		VI	5,4	7	
1892	12	27	18	30	0	37,75	27	Chios, Aegean Sea		VII	5,8	1	
1892	5	3	0	0	0	39,1	42,5	Malazgirt, Mu§		VII	5,5	1,7	date is 1891 at ref.7
1892	6	18	13	40	0	41,2	42,1	Artvin		VI	5,4	1	
1893	7	24	0	0	0	41,4	26,4	Greece, Edirne		VII-VIII	6	7,1	
1893	3	12	16	0	0	37,75	27	Chios, Aeagean Sea		VII	5,8	1	
1893	0	0	0	0	0	39,85	37,7	Sivas, Zara		VI		7	
1893	1	28	18	0	0	40,5	25,5	Imros, Lesbos		IX	6,8	1,7	I = VII at ref.7
1893	3	31	0	0	0	38,4	38,7	Malatya, izoli		IX	6,6	2,1,7	
1894	5	14	0	0	0	36,6	35,6	Adana, Mersin, Kilis		VII	6,1	2	I = VI in Antakya

Year (G)	Month	Day	Hour	Min	Sec	Lat	Lon	Max. Effected Area(s)	Depth	MSK	Ms	Reference	REMARKS
1894	6	29	0	0	0	40,2	26,4	Istanbul, Edirne		VI	5,4	1,7,33, 41,42,50	
1894	8	3	0	0	0	40,8	29	f anakkale, Biga, Edirne		VI	5,4	7,1,33	
1894	11	26	11	30	0	41,3	44,6	East of Tiflis		VI	5,4	1	
1894	7	10	0	0	0	40,8	29	Istanbul, Adapazari, Marmara, Izmit		IX-X	7	26	Tsunami, Liquefaction in Izmit
1895	8	19	0	0	0	37,8	27,8	Vicinity of Aydm		VIII-IX	6,5	1,7	
1895	0	0	0	0	0	38,6	27,1	Menemen, Izmir		VIII-IX	6,5	1,7	
1895	11	14	0	0	0	39,1	27,1	Izmir		VIII	6,3	1	
1895	10	0	0	0	0	38,4	38,3	Malatya		VI	5,4	2,7,33,1	
1896	6	29	23	0	0	34,9	33,6	Cyprus		VIII-IX	6,3	2,1	I = IV in Turkish Coast
1896	4	16	9	45	0	39,3	29,2	Emet and large vicinity		VIII	6,3	1,7	
1896	10	27	0	0	0	36,5	28	Rhodes, Marmaris		VIII	6,3	1,7	1 = VI at ref.7
1896	6	26	0	0	0	36,8	28,3	Marmaris, Mugla		VII	5,8	7,1	
1896	1	0	0	0	0	37	35,3	Adana, Mersin		VI	5,4	1,7,33	
1897	12	0	0	0	0	39,6	27,9	Balikesir and large vicinity		VIII	6,3	1,7	
1897	5	0	0	0	0	36,8	28,3	Marmaris, K6ycegiz,Rliodes,		VII	5,8	1,7	
1898	2	28	0	0	0	39,6	27,9	Balikesir		VIII	6,3	35,1	2146 building demolished. Fat = 14
1898	2	0	0	0	0	37,9	28	Aydm		VI	5,4	1,7,42	
1898	8	13	0	0	0	41,6	43,4	Ahilkelek		VI	5,4	1	
1899	12	31	10	50	0	41,6	43,5	Ahilkelek		VIII	6,1	18,1	800 fatalities
1899	5	0	0	0	0	40,2	29,1	Bursa		VI	5,4	1,7	
1899	12	0	0	0	0	37,75	29,1	Denizli		VI	5,4	36,7,1	
1899	9	20	10	30	0	37,9	28,1	Aydm, Denizli, u§ak		IX	6,7	1,7	

Declustered catalog

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
-2100	0	0	0	0	0,00	35,50	25,50	0,0	7,3
-1890	0	0	0	0	0,00	35,50	25,50	0,0	7,3
-1750	0	0	0	0	0,00	35,00	25,00	0,0	7,3
-1650	0	0	0	0	0,00	35,50	25,50	0,0	7,3
-1570	0	0	0	0	0,00	35,00	25,50	0,0	7,3
-1500	0	0	0	0	0,00	35,00	26,00	0,0	6,8
-1410	0	0	0	0	0,00	36,50	25,50	0,0	7,3
-1400	0	0	0	0	0,00	35,50	25,50	0,0	6,8
-1356	0	0	0	0	0,00	36,00	36,00	0,0	6,9
-600	0	0	0	0	0,00	36,30	42,00	0,0	5,6
-550	0	0	0	0	0,00	39,70	44,40	15,0	6,9
-412	0	0	0	0	0,00	36,50	27,00	0,0	6,3
-368	0	0	0	0	0,00	35,00	25,00	0,0	6,8
-331	0	0	0	0	0,00	36,10	36,10	0,0	6,6
-330	0	0	0	0	0,00	40,10	25,20	0,0	6,8
-282	0	0	0	0	0,00	40,50	26,70	0,0	6,3
-267	0	0	0	0	0,00	35,00	25,00	0,0	6,8
-255	0	0	0	0	0,00	35,00	25,00	0,0	6,8
-222	0	0	0	0	0,00	36,50	28,00	0,0	7,3
-197	0	0	0	0	0,00	36,00	28,00	0,0	6,3
-185	0	0	0	0	0,00	36,00	28,00	0,0	6,8
-184	0	0	0	0	0,00	36,20	36,30	0,0	6,2
-148	0	0	0	0	0,00	36,20	36,10	0,0	6,3
-145	0	0	0	0	0,00	41,00	29,00	0,0	7,7
-140	0	0	0	0	0,00	41,00	29,00	0,0	7,3

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
-131	0	0	0	0	0,00	37,50	36,60	0,0	6,0
-115	0	0	0	0	0,00	36,20	36,20	0,0	6,2
-69	0	0	0	0	0,00	35,90	36,30	0,0	6,1
-65	0	0	0	0	0,00	37,70	29,20	0,0	6,3
-37	0	0	0	0	0,00	36,20	36,10	0,0	6,3
-31	0	0	0	0	0,00	37,80	27,80	0,0	6,3
-26	0	0	0	0	0,00	37,80	27,80	0,0	6,8
-15	0	0	0	0	0,00	35,20	34,00	0,0	6,8
-5	0	0	0	0	0,00	37,00	27,00	0,0	6,3
11	0	0	0	0	0,00	37,80	27,80	0,0	6,3
17	0	0	0	0	0,00	38,40	27,50	0,0	6,8
29	11	24	0	0	0,00	40,50	28,90	0,0	6,8
33	0	0	0	0	0,00	40,40	29,70	0,0	6,3
37	0	0	0	0	0,00	35,70	36,30	0,0	6,1
44	0	0	0	0	0,00	38,50	27,40	0,0	6,3
46	0	0	0	0	0,00	36,50	25,50	0,0	6,3
50	0	0	0	0	0,00	42,90	41,00	10,0	5,8
53	0	0	0	0	0,00	36,20	36,50	0,0	7,4
53	0	0	0	0	0,00	30,10	30,15	0,0	6,3
55	0	0	0	0	0,00	35,00	25,00	0,0	7,3
60	0	0	0	0	0,00	37,90	29,20	0,0	6,8
62	0	0	0	0	0,00	36,00	25,50	0,0	6,8
68	0	0	0	0	0,00	37,74	27,40	0,0	6,0
79	0	0	0	0	0,00	36,25	36,10	0,0	6,0
82	0	0	0	0	0,00	36,10	36,20	0,0	6,5
93	0	0	0	0	0,00	40,60	27,00	0,0	6,3
94	0	0	0	0	0,00	38,75	30,50	0,0	6,3

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
105	0	0	0	0	0,00	38,90	27,00	0,0	6,8
110	0	0	0	0	0,00	37,00	26,00	0,0	6,8
110	0	0	0	0	0,00	36,25	36,10	0,0	6,3
114	11	20	0	0	0,00	37,08	38,32	0,0	7,5
115	12	13	0	0	0,00	36,25	36,10	0,0	6,1
117	0	0	0	0	0,00	36,25	36,10	0,0	6,0
117	11	10	0	0	0,00	40,40	27,80	0,0	6,0
120	0	0	0	0	0,00	40,40	29,70	0,0	6,3
127	0	0	0	0	0,00	40,60	37,00	0,0	6,9
128	0	0	0	0	0,00	37,30	36,80	0,0	6,3
129	0	0	0	0	0,00	40,40	29,40	0,0	6,3
138	0	0	0	0	0,00	36,30	28,00	0,0	6,3
138	0	0	0	0	0,00	40,15	26,40	0,0	6,3
139	0	0	0	0	0,00	39,80	44,60	15,0	5,9
144	0	0	0	0	0,00	36,60	29,10	0,0	6,3
155	0	0	0	0	0,00	40,30	28,00	0,0	6,3
160	0	0	0	0	0,00	38,41	27,20	0,0	5,7
165	0	0	0	0	0,00	38,41	27,20	0,0	6,3
170	5	3	0	0	0,00	40,10	28,00	0,0	6,8
177	0	0	0	0	0,00	38,40	27,10	0,0	7,3
190	0	0	0	0	0,00	38,66	26,75	0,0	5,7
212	0	0	0	0	0,00	41,00	29,00	0,0	6,0
220	0	0	0	0	0,00	36,25	36,20	0,0	6,1
242	0	0	0	0	0,00	37,10	36,50	0,0	6,5
245	0	0	0	0	0,00	36,25	36,10	0,0	7,3
251	7	9	0	0	0,00	35,50	25,50	0,0	6,8
253	0	0	0	0	0,00	39,10	27,50	0,0	6,8

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
268	0	0	0	0	0,00	40,80	29,90	0,0	6,3
272	0	0	0	0	0,00	36,25	36,10	0,0	6,3
290	5	14	0	0	0,00	37,06	35,80	0,0	6,3
325	0	0	0	0	0,00	41,00	29,00	0,0	6,8
330	0	0	0	0	0,00	35,00	34,00	0,0	6,1
334	0	0	0	0	0,00	36,25	36,10	0,0	6,1
335	0	0	0	0	0,00	40,60	37,00	0,0	6,2
336	0	0	0	0	0,00	36,00	28,00	0,0	6,3
340	0	0	0	0	0,00	36,20	35,70	0,0	6,8
341	0	0	0	0	0,00	36,20	36,10	0,0	6,1
342	0	0	0	0	0,00	35,00	34,00	0,0	7,0
343	0	0	0	0	0,00	35,15	33,30	0,0	6,3
343	0	0	0	0	0,00	40,60	37,00	0,0	6,2
344	4	11	0	0	0,00	36,00	28,00	0,0	6,3
345	0	0	0	0	0,00	36,25	36,10	0,0	6,0
345	0	0	0	0	0,00	40,60	37,00	0,0	6,2
350	10	0	0	0	0,00	40,80	30,00	0,0	6,3
354	8	24	0	0	0,00	40,80	30,00	0,0	6,3
356	0	0	0	0	0,00	41,00	29,00	0,0	6,0
359	1	1	0	0	0,00	40,75	29,60	0,0	6,3
362	12	2	0	0	0,00	40,75	29,60	0,0	6,3
363	2	1	0	0	0,00	41,00	29,00	0,0	6,3
367	0	0	0	0	0,00	35,00	32,50	0,0	6,1
368	10	11	0	0	0,00	40,40	29,70	0,0	6,0
370	0	0	0	0	0,00	35,00	39,00	0,0	6,1
376	0	0	0	0	0,00	41,00	29,00	0,0	6,3
378	0	0	0	0	0,00	40,40	29,70	0,0	5,7

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
382	0	0	0	0	0,00	41,00	29,00	0,0	6,3
387	0	0	0	0	0,00	36,25	36,20	0,0	5,7
394	0	0	0	0	0,00	41,00	29,00	0,0	6,3
394	0	0	0	0	0,00	39,80	36,30	0,0	6,5
396	0	0	0	0	0,00	36,25	36,10	0,0	6,3
398	0	0	0	0	0,00	41,00	29,00	0,0	6,0
400	0	0	0	0	0,00	42,90	41,00	10,0	5,8
402	0	0	0	0	0,00	41,00	29,00	0,0	6,3
408	7	5	0	0	0,00	41,00	29,00	0,0	6,0
411	0	0	0	0	0,00	41,04	28,98	0,0	6,0
427	0	0	0	0	0,00	41,00	29,00	0,0	6,8
430	0	0	0	0	0,00	41,00	29,00	0,0	6,0
434	0	0	0	0	0,00	35,00	38,00	0,0	5,4
440	10	26	0	0	0,00	41,00	28,90	0,0	6,0
446	1	26	0	0	0,00	40,70	29,30	0,0	6,3
447	12	8	0	0	0,00	40,80	29,60	0,0	6,8
448	11	6	0	0	0,00	35,00	25,00	0,0	6,8
450	1	26	0	0	0,00	41,00	29,00	0,0	6,3
453	0	0	0	0	0,00	42,50	43,50	0,0	6,0
457	0	0	0	0	0,00	36,00	36,00	0,0	5,8
458	9	14	0	0	0,00	36,25	36,10	0,0	7,7
464	0	0	0	0	0,00	40,40	27,85	0,0	6,0
467	0	0	0	0	0,00	40,80	29,90	0,0	5,7
470	0	0	0	0	0,00	41,00	29,00	0,0	6,0
477	0	0	0	0	0,00	35,30	35,80	0,0	6,1
478	9	25	0	0	0,00	40,80	29,00	0,0	6,8
488	0	0	0	0	0,00	40,80	29,00	0,0	6,3

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
499	0	0	0	0	0,00	40,60	36,90	0,0	6,2
500	0	0	0	0	0,00	40,80	29,90	0,0	6,3
500	0	0	0	0	0,00	36,30	36,20	0,0	6,9
505	0	0	0	0	0,00	36,30	28,00	0,0	6,3
506	0	0	0	0	0,00	40,60	36,90	0,0	5,8
506	9	10	4	0	0,00	36,25	36,10	0,0	6,8
515	0	0	0	0	0,00	36,30	28,00	0,0	6,0
516	0	0	0	0	0,00	36,30	28,00	0,0	6,0
517	0	0	0	0	0,00	41,00	29,00	0,0	6,0
517	0	0	0	0	0,00	37,20	35,90	0,0	6,3
518	0	0	0	0	0,00	36,89	36,60	0,0	6,3
520	0	0	0	0	0,00	36,30	28,00	0,0	5,7
522	0	0	0	0	0,00	37,00	36,50	0,0	7,4
524	0	0	0	0	0,00	37,20	35,90	0,0	6,3
525	10	4	0	0	0,00	41,00	29,00	0,0	5,7
526	5	29	0	0	0,00	36,25	36,10	0,0	7,9
526	10	4	0	0	0,00	36,10	36,00	0,0	6,1
527	0	0	0	0	0,00	41,00	29,00	0,0	6,0
527	0	0	0	0	0,00	36,20	36,10	0,0	6,3
527	3	0	0	0	0,00	36,25	36,10	0,0	5,7
528	0	0	0	0	0,00	40,55	35,85	0,0	6,2
528	0	0	0	0	0,00	36,60	39,10	0,0	6,0
528	11	29	0	0	0,00	36,50	36,15	0,0	7,5
532	0	0	0	0	0,00	35,00	36,75	0,0	5,8
535	1	1	0	0	0,00	41,00	29,00	0,0	6,0
535	1	5	0	0	0,00	36,20	36,30	0,0	6,3
541	8	16	0	0	0,00	41,00	29,00	0,0	6,3

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
543	9	6	0	0	0,00	40,35	27,80	0,0	6,8
546	0	0	0	0	0,00	41,00	29,00	0,0	6,0
551	7	9	0	0	0,00	34,01	35,50	0,0	7,3
553	0	0	0	0	0,00	36,25	36,10	0,0	5,8
553	8	15	0	0	0,00	40,75	29,10	0,0	7,3
556	0	0	0	0	0,00	41,04	28,98	0,0	7,3
557	0	0	0	0	0,00	36,25	36,10	0,0	5,4
557	4	2	0	0	0,00	41,00	29,00	0,0	6,3
557	10	16	0	0	0,00	41,00	29,00	0,0	6,3
557	12	14	0	0	0,00	41,00	29,00	0,0	6,3
559	0	0	0	0	0,00	41,00	29,00	0,0	5,7
561	0	0	0	0	0,00	37,20	35,90	0,0	6,3
565	0	0	0	0	0,00	36,00	39,00	0,0	5,8
570	0	0	0	0	0,00	41,00	29,00	0,0	6,0
579	0	0	0	0	0,00	36,20	36,00	0,0	5,8
580	0	0	0	0	0,00	41,00	29,00	0,0	5,7
581	0	0	0	0	0,00	36,25	36,10	0,0	5,7
582	0	0	0	0	0,00	41,00	29,00	0,0	5,7
583	5	10	0	0	0,00	41,00	29,00	0,0	6,0
588	10	31	0	0	0,00	36,20	36,90	0,0	6,3
601	4	20	0	0	0,00	41,00	29,00	0,0	6,0
611	0	0	0	0	0,00	41,00	29,00	0,0	6,0
634	0	0	0	0	0,00	36,14	37,10	0,0	6,8
639	0	0	0	0	0,00	36,20	36,20	0,0	5,4
677	0	0	0	0	0,00	41,00	29,00	0,0	5,7
678	0	0	0	0	0,00	38,20	39,50	0,0	7,6
687	0	0	0	0	0,00	36,20	36,20	0,0	6,0

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
688	0	0	0	0	0,00	38,40	27,00	0,0	6,8
713	2	28	0	0	0,00	36,10	36,10	0,0	6,1
713	3	20	0	0	0,00	36,50	35,15	0,0	6,8
715	0	0	0	0	0,00	40,40	29,70	0,0	6,8
715	0	0	0	0	0,00	36,50	37,90	0,0	6,8
716	0	0	0	0	0,00	36,25	36,10	0,0	6,0
717	8	13	0	0	0,00	36,10	36,10	0,0	6,1
718	0	0	0	0	0,00	37,10	38,80	0,0	5,6
732	0	0	0	0	0,00	41,00	29,00	0,0	6,0
737	0	0	0	0	0,00	41,00	29,00	0,0	6,1
740	10	26	8	0	0,00	40,80	29,00	0,0	6,3
757	5	25	0	0	0,00	36,57	35,35	0,0	6,0
775	0	0	0	0	0,00	36,50	36,70	0,0	6,7
789	2	8	0	0	0,00	41,00	29,00	0,0	6,3
791	0	0	0	0	0,00	36,10	36,70	0,0	6,8
796	4	7	0	0	0,00	35,00	25,00	0,0	6,8
796	5	4	0	0	0,00	41,00	29,00	0,0	6,3
802	12	30	0	0	0,00	36,57	35,95	0,0	5,8
835	1	5	0	0	0,00	36,50	36,15	0,0	6,5
840	0	0	0	0	0,00	41,00	29,00	0,0	5,7
845	0	0	0	0	0,00	36,50	36,15	0,0	6,8
846	8	28	0	0	0,00	36,10	36,10	0,0	6,1
847	0	0	0	0	0,00	36,20	36,10	0,0	6,1
851	0	0	0	0	0,00	40,00	44,60	0,0	6,3
854	0	0	0	0	0,00	40,00	45,00	0,0	6,5
858	1	0	0	0	0,00	40,00	44,60	0,0	6,3
859	4	8	0	0	0,00	36,20	38,00	0,0	6,1

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
859	12	0	0	0	0,00	36,80	36,30	0,0	7,8
860	5	23	0	0	0,00	41,00	29,00	0,0	6,0
861	8	0	0	0	0,00	41,00	29,00	0,0	5,7
863	4	0	0	0	0,00	40,00	44,60	0,0	6,5
865	5	16	0	0	0,00	41,00	29,00	0,0	6,8
865	5	16	0	0	0,00	35,00	25,00	0,0	6,8
867	0	0	0	0	0,00	36,25	36,10	0,0	6,8
867	1	9	0	0	0,00	41,00	29,00	0,0	6,3
869	0	0	0	0	0,00	40,00	44,00	0,0	5,6
870	1	10	0	0	0,00	41,00	29,00	0,0	6,3
889	0	0	0	0	0,00	36,20	37,20	0,0	5,4
893	3	27	0	0	0,00	40,00	44,60	5,0	5,6
894	0	0	0	0	0,00	36,40	40,00	0,0	5,8
913	0	0	0	0	0,00	36,00	25,00	0,0	6,0
915	0	0	0	0	0,00	41,00	29,00	0,0	6,0
951	9	15	0	0	0,00	36,14	37,10	0,0	6,1
956	1	1	0	0	0,00	31,13	29,55	0,0	6,3
958	4	0	0	0	0,00	33,20	44,26	0,0	6,3
960	0	0	0	0	0,00	41,00	29,00	0,0	6,3
963	7	22	0	0	0,00	36,60	36,80	0,0	5,9
968	9	2	0	0	0,00	41,00	29,00	0,0	6,3
968	9	3	2	0	0,00	41,15	34,75	0,0	6,9
972	0	0	0	0	0,00	40,30	44,10	8,0	5,4
972	10	12	0	0	0,00	36,00	36,30	0,0	6,8
975	9	25	0	0	0,00	41,00	29,00	0,0	6,0
985	9	23	0	0	0,00	40,40	28,90	0,0	6,3
986	10	26	0	0	0,00	41,00	29,00	0,0	6,8

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
991	4	5	0	0	0,00	35,50	36,20	0,0	6,0
995	0	0	0	0	0,00	38,50	39,50	0,0	5,7
995	0	0	0	0	0,00	40,60	43,10	0,0	5,7
1002	11	10	0	0	0,00	36,50	36,40	0,0	6,8
1003	3	21	0	0	0,00	37,10	38,80	0,0	6,0
1008	4	11	0	0	0,00	35,70	45,00	0,0	6,2
1010	1	0	0	0	0,00	41,00	29,00	0,0	6,3
1011	0	0	0	0	0,00	39,80	39,50	0,0	6,2
1012	0	0	0	0	0,00	39,10	42,50	0,0	6,0
1031	0	0	0	0	0,00	36,00	42,50	0,0	5,8
1032	8	13	0	0	0,00	41,00	29,00	0,0	6,3
1033	3	6	0	0	0,00	41,00	29,00	0,0	6,0
1035	5	0	0	0	0,00	41,00	29,00	0,0	6,0
1037	12	18	4	0	0,00	37,10	38,80	0,0	6,0
1037	12	20	0	0	0,00	41,00	29,00	0,0	6,3
1040	2	2	0	0	0,00	38,40	27,15	0,0	6,0
1041	6	10	0	0	0,00	41,00	29,00	0,0	6,3
1042	8	21	0	0	0,00	36,50	37,90	0,0	7,0
1045	0	0	0	0	0,00	39,75	39,50	0,0	6,9
1046	0	0	0	0	0,00	40,50	43,50	15,0	5,8
1046	7	8	0	0	0,00	37,55	40,14	0,0	7,6
1050	8	5	0	0	0,00	40,25	33,37	0,0	8,0
1053	0	0	0	0	0,00	36,20	36,20	0,0	6,5
1056	0	0	0	0	0,00	38,40	27,15	0,0	6,3
1058	10	0	0	0	0,00	36,00	43,00	0,0	6,1
1058	12	2	0	0	0,00	36,30	43,00	0,0	6,8
1063	2	19	0	0	0,00	41,00	29,00	0,0	5,7

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1063	7	30	0	0	0,00	36,15	36,15	0,0	6,7
1064	9	23	0	0	0,00	40,40	28,90	0,0	6,5
1068	0	0	0	0	0,00	39,75	39,50	0,0	5,8
1068	3	18	0	0	0,00	33,14	33,50	0,0	6,8
1075	0	0	0	0	0,00	40,60	34,95	0,0	6,3
1082	12	6	0	0	0,00	41,00	29,00	0,0	6,3
1086	4	18	0	0	0,00	36,00	40,00	0,0	5,8
1088	4	0	0	0	0,00	41,40	43,20	10,0	5,6
1089	0	0	0	0	0,00	34,40	38,30	0,0	6,2
1091	9	17	0	0	0,00	36,50	36,15	0,0	7,4
1098	1	0	0	0	0,00	36,20	36,80	0,0	6,0
1098	1	0	0	0	0,00	40,60	43,10	0,0	6,3
1109	0	0	0	0	0,00	36,30	36,40	0,0	5,6
1110	0	0	0	0	0,00	38,50	43,50	0,0	6,5
1114	6	7	0	0	0,00	36,00	36,00	0,0	6,0
1131	0	0	0	0	0,00	40,50	43,60	15,0	5,6
1137	9	19	0	0	0,00	36,00	42,40	0,0	7,3
1139	0	0	0	0	0,00	40,50	45,00	0,0	7,3
1139	10	12	0	0	0,00	36,20	37,20	0,0	7,0
1140	0	0	0	0	0,00	35,90	39,60	0,0	6,3
1149	0	0	0	0	0,00	35,90	36,40	0,0	6,6
1151	0	0	0	0	0,00	40,60	43,10	0,0	6,3
1152	2	2	0	0	0,00	35,35	36,40	0,0	6,0
1152	3	22	0	0	0,00	36,00	36,00	0,0	5,4
1156	5	18	0	0	0,00	36,50	36,60	0,0	7,3
1156	10	5	0	0	0,00	35,09	36,45	0,0	7,0
1157	7	14	0	0	0,00	35,40	36,50	0,0	6,1

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1161	0	0	0	0	0,00	39,75	39,50	0,0	5,8
1168	0	0	0	0	0,00	39,75	39,50	0,0	6,2
1170	6	30	0	0	0,00	36,14	37,10	0,0	8,1
1170	7	17	0	0	0,00	35,20	36,30	0,0	7,2
1178	6	19	0	0	0,00	36,20	44,00	0,0	6,5
1179	9	19	0	0	0,00	36,20	44,00	0,0	6,5
1183	0	0	0	0	0,00	35,20	36,30	0,0	5,4
1190	0	0	0	0	0,00	37,15	33,20	0,0	6,3
1190	9	0	0	0	0,00	36,25	36,10	0,0	6,3
1205	0	0	0	0	0,00	38,70	35,50	0,0	6,5
1208	1	0	0	0	0,00	38,45	42,20	0,0	7,0
1211	6	15	0	0	0,00	36,25	36,10	0,0	6,3
1222	0	0	0	0	0,00	36,74	37,10	0,0	5,7
1222	5	0	0	0	0,00	34,75	32,40	0,0	6,8
1225	3	4	0	0	0,00	36,21	43,00	0,0	6,0
1226	11	18	0	0	0,00	36,21	43,00	0,0	6,3
1235	0	0	0	0	0,00	40,70	46,50	0,0	6,3
1236	0	0	0	0	0,00	39,75	39,50	0,0	5,8
1245	0	0	0	0	0,00	38,74	42,50	0,0	5,8
1254	10	14	0	0	0,00	40,00	39,00	0,0	6,2
1255	12	18	1	20	0,00	36,40	27,20	0,0	6,0
1261	0	0	0	0	0,00	41,40	43,20	10,0	5,6
1268	0	0	0	0	0,00	39,75	40,40	0,0	6,9
1268	9	10	0	0	0,00	37,27	35,50	0,0	6,2
1275	4	0	0	0	0,00	42,00	44,00	0,0	6,8
1275	6	27	0	0	0,00	38,45	42,28	0,0	6,0
1283	4	17	9	0	0,00	41,60	48,00	0,0	6,5

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1287	0	0	0	0	0,00	35,60	35,75	0,0	6,8
1287	3	11	0	0	0,00	35,20	36,70	0,0	6,0
1287	5	8	0	0	0,00	39,75	39,50	0,0	6,2
1296	6	1	0	0	0,00	41,00	29,00	0,0	6,1
1303	7	30	0	0	0,00	37,30	22,10	0,0	7,3
1305	0	0	0	0	0,00	41,00	29,00	0,0	6,0
1306	0	0	0	0	0,00	35,50	25,50	0,0	6,8
1308	0	0	0	0	0,00	39,75	39,50	0,0	5,8
1319	0	0	0	0	0,00	40,40	43,60	16,0	5,7
1322	1	20	0	0	0,00	35,00	36,40	0,0	6,0
1323	0	0	0	0	0,00	35,00	36,60	0,0	6,3
1332	2	12	0	0	0,00	41,00	29,00	0,0	6,0
1339	1	13	0	0	0,00	34,60	36,20	0,0	6,8
1343	1	1	0	0	0,00	37,30	37,50	0,0	7,5
1346	0	0	0	0	0,00	41,00	29,00	0,0	5,8
1354	3	0	0	0	0,00	40,70	27,00	0,0	6,0
1363	0	0	0	0	0,00	38,70	41,50	0,0	5,6
1374	12	8	0	0	0,00	39,75	39,50	0,0	6,0
1384	8	6	0	0	0,00	39,25	26,35	0,0	6,5
1387	0	0	0	0	0,00	36,20	36,20	0,0	6,0
1389	3	20	0	0	0,00	38,40	26,30	0,0	6,8
1403	12	19	0	0	0,00	36,14	37,10	0,0	5,8
1404	2	11	0	0	0,00	36,14	37,10	0,0	5,8
1404	12	5	0	0	0,00	36,14	37,10	0,0	6,3
1408	12	30	0	0	0,00	36,50	36,15	0,0	7,5
1415	0	0	0	0	0,00	40,55	35,85	0,0	5,8
1417	0	0	0	0	0,00	40,20	29,10	0,0	6,0

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1419	3	15	0	0	0,00	40,20	29,10	0,0	7,5
1419	5	11	0	0	0,00	41,00	28,57	0,0	6,8
1441	0	0	0	0	0,00	38,35	42,10	0,0	6,5
1443	0	0	0	0	0,00	41,00	29,00	0,0	6,3
1456	4	13	0	0	0,00	39,75	39,50	0,0	6,2
1457	0	0	0	0	0,00	39,44	39,30	0,0	7,6
1462	0	0	0	0	0,00	41,00	29,00	0,0	6,8
1481	3	15	0	0	0,00	36,00	28,00	0,0	6,3
1481	10	3	0	0	0,00	36,00	28,00	0,0	6,1
1482	12	21	0	0	0,00	39,75	39,50	0,0	7,2
1483	10	18	0	0	0,00	36,25	27,50	0,0	6,3
1490	5	6	0	0	0,00	41,00	29,00	0,0	7,3
1490	11	1	0	0	0,00	35,00	25,00	0,0	7,3
1491	4	24	0	0	0,00	35,10	33,40	0,0	6,8
1493	8	18	0	0	0,00	36,75	27,00	0,0	6,8
1494	7	1	0	0	0,00	35,50	25,50	0,0	6,3
1495	1	5	0	0	0,00	37,00	27,00	0,0	5,7
1501	0	0	0	0	0,00	35,50	25,00	0,0	7,3
1507	0	0	0	0	0,00	41,04	29,00	0,0	6,3
1508	5	29	0	0	0,00	35,50	25,00	0,0	7,3
1509	0	0	0	0	0,00	40,55	35,00	0,0	6,5
1509	9	4	0	0	0,00	41,00	29,00	0,0	6,8
1510	11	16	0	0	0,00	41,70	26,60	0,0	6,3
1532	0	0	0	0	0,00	41,00	29,00	0,0	6,0
1537	0	0	0	0	0,00	35,80	36,30	0,0	6,4
1539	1	14	0	0	0,00	35,50	25,00	0,0	6,0
1543	0	0	0	0	0,00	39,75	39,50	0,0	5,8

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1544	1	22	0	0	0,00	38,20	37,15	0,0	6,3
1547	0	0	0	0	0,00	35,00	25,00	0,0	6,3
1556	0	0	0	0	0,00	41,00	29,00	0,0	6,3
1557	4	30	0	0	0,00	41,00	29,00	0,0	6,3
1566	0	0	0	0	0,00	36,00	36,50	0,0	5,6
1569	12	14	0	0	0,00	41,00	29,00	0,0	5,7
1571	3	5	0	0	0,00	41,00	29,00	0,0	6,0
1576	11	5	0	0	0,00	39,75	39,50	0,0	5,8
1577	0	0	0	0	0,00	35,50	36,50	0,0	5,4
1578	0	0	0	0	0,00	39,75	39,50	0,0	5,8
1582	0	0	0	0	0,00	38,35	42,10	0,0	6,2
1584	6	17	0	0	0,00	39,75	39,50	0,0	6,5
1585	0	0	0	0	0,00	40,65	35,85	0,0	5,8
1590	0	0	0	0	0,00	40,60	35,80	0,0	6,2
1592	9	0	0	0	0,00	38,50	27,90	0,0	6,3
1595	11	16	0	0	0,00	35,50	25,50	0,0	6,3
1598	0	0	0	0	0,00	40,40	35,40	0,0	6,5
1599	1	14	0	0	0,00	36,40	25,40	0,0	6,3
1604	0	0	0	0	0,00	35,50	25,50	0,0	6,8
1605	0	0	0	0	0,00	40,40	43,60	20,0	5,8
1612	11	8	0	0	0,00	35,50	25,50	0,0	6,3
1615	6	5	11	0	0,00	44,90	35,50	10,0	6,1
1616	8	27	0	0	0,00	36,20	37,00	0,0	5,4
1625	0	0	0	0	0,00	35,20	36,40	0,0	6,2
1629	2	27	0	0	0,00	36,00	25,00	0,0	6,3
1633	7	30	0	0	0,00	41,00	29,00	0,0	5,7
1635	0	0	0	0	0,00	36,30	28,60	0,0	5,8

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1639	0	0	0	0	0,00	38,40	27,20	0,0	5,7
1641	5	0	0	0	0,00	41,00	29,00	0,0	5,7
1642	8	19	0	0	0,00	41,00	29,00	0,0	6,3
1644	0	0	0	0	0,00	38,40	27,20	0,0	6,0
1646	4	0	0	0	0,00	41,00	29,00	0,0	6,0
1647	4	2	0	0	0,00	39,15	44,00	0,0	6,2
1648	3	31	24	0	0,00	38,90	43,50	0,0	6,7
1648	6	28	16	0	0,00	41,00	29,00	0,0	6,3
1651	6	9	4	0	0,00	37,80	29,30	0,0	6,3
1652	0	0	0	0	0,00	34,70	36,30	0,0	6,8
1653	2	23	0	0	0,00	37,90	28,30	0,0	6,8
1654	5	22	0	0	0,00	38,40	27,20	0,0	5,7
1659	0	0	0	0	0,00	40,00	41,30	0,0	6,5
1659	2	6	0	0	0,00	41,00	29,00	0,0	6,5
1660	0	0	0	0	0,00	36,20	28,00	0,0	6,0
1662	0	0	0	0	0,00	35,00	25,00	0,0	6,8
1664	0	0	0	0	0,00	38,40	27,20	0,0	6,0
1667	2	0	0	0	0,00	38,40	27,20	0,0	6,3
1667	6	28	0	0	0,00	39,75	39,75	0,0	6,2
1668	7	3	0	0	0,00	40,70	31,60	0,0	6,3
1668	8	17	0	0	0,00	40,90	36,00	0,0	8,0
1670	8	1	0	0	0,00	38,00	42,00	0,0	6,5
1672	0	0	0	0	0,00	36,50	25,50	0,0	6,8
1672	5	25	0	0	0,00	40,70	29,90	0,0	6,0
1674	0	0	0	0	0,00	40,20	29,10	0,0	6,0
1679	6	4	6	0	0,00	40,20	44,80	9,0	6,2
1681	1	10	0	0	0,00	35,50	25,50	0,0	6,3

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1682	6	13	22	30	0,00	41,70	44,80	10,0	6,0
1685	9	9	0	0	0,00	38,40	27,15	0,0	5,7
1685	9	14	0	0	0,00	40,50	36,00	0,0	6,2
1685	11	22	23	0	0,00	39,00	41,00	0,0	6,7
1687	12	18	0	0	0,00	38,40	27,20	0,0	6,3
1688	7	10	11	0	0,00	38,40	27,20	0,0	7,3
1688	8	10	8	0	0,00	38,40	27,20	0,0	5,7
1688	9	10	0	0	0,00	39,15	26,50	0,0	6,3
1690	1	13	0	0	0,00	38,40	27,20	0,0	6,0
1690	7	11	0	0	0,00	41,00	29,00	0,0	6,0
1693	0	0	0	0	0,00	36,50	41,90	0,0	6,7
1694	3	5	3	0	0,00	38,40	27,20	0,0	5,7
1696	4	14	0	0	0,00	39,10	43,90	0,0	7,0
1698	0	0	0	0	0,00	41,00	29,00	0,0	5,7
1701	0	0	0	0	0,00	38,40	27,20	0,0	5,7
1701	3	7	0	0	0,00	38,40	43,50	0,0	6,2
1702	0	0	0	0	0,00	37,80	29,10	0,0	6,0
1703	0	0	0	0	0,00	37,80	29,10	0,0	6,3
1705	1	27	0	0	0,00	38,70	41,70	0,0	6,7
1707	0	0	0	0	0,00	40,60	43,10	0,0	5,1
1707	6	2	0	0	0,00	41,00	29,00	0,0	5,7
1712	0	0	0	0	0,00	41,00	29,00	0,0	5,7
1714	0	0	0	0	0,00	38,70	35,50	0,0	5,4
1715	3	8	6	0	0,00	38,40	43,90	0,0	6,6
1717	6	7	0	0	0,00	38,70	35,50	0,0	6,1
1719	3	0	0	0	0,00	38,50	27,00	0,0	6,3
1719	3	6	0	0	0,00	41,00	29,00	0,0	5,7

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1719	3	6	0	0	0,00	39,50	36,90	0,0	6,4
1719	5	24	0	0	0,00	40,75	29,75	0,0	6,5
1723	0	0	0	0	0,00	41,00	29,00	0,0	5,7
1726	4	15	0	0	0,00	36,30	36,60	0,0	6,2
1729	0	0	0	0	0,00	41,00	29,00	0,0	5,7
1735	12	0	0	0	0,00	35,10	34,00	0,0	6,3
1737	0	0	0	0	0,00	41,00	29,00	0,0	6,1
1737	3	6	0	0	0,00	38,40	27,00	0,0	6,0
1739	3	24	0	0	0,00	38,40	27,20	0,0	6,3
1739	4	4	4	30	0,00	38,40	27,20	0,0	6,8
1741	0	0	0	0	0,00	35,10	33,90	0,0	6,0
1751	6	7	0	0	0,00	37,75	27,00	0,0	7,3
1752	5	26	0	0	0,00	41,00	29,00	0,0	6,0
1752	7	18	0	0	0,00	40,80	26,30	0,0	6,3
1752	7	21	0	0	0,00	35,20	35,50	0,0	7,1
1752	7	29	20	0	0,00	41,70	26,50	0,0	6,8
1753	0	0	0	0	0,00	41,00	29,00	0,0	6,0
1754	0	0	0	0	0,00	41,00	29,00	0,0	5,7
1754	0	0	0	0	0,00	39,75	37,00	0,0	5,8
1754	7	0	0	0	0,00	38,40	27,15	0,0	6,0
1754	9	2	21	45	0,00	40,80	29,40	0,0	6,8
1757	1	20	0	0	0,00	41,00	29,00	0,0	5,7
1759	2	17	0	0	0,00	36,20	37,00	0,0	5,7
1759	10	30	0	0	0,00	33,50	36,30	0,0	6,8
1759	11	26	0	0	0,00	34,80	36,00	0,0	6,1
1762	11	2	0	0	0,00	40,15	26,40	0,0	6,0
1763	1	13	0	0	0,00	38,40	27,50	0,0	6,0

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1763	9	3	0	0	0,00	41,00	29,00	0,0	6,3
1764	2	14	0	0	0,00	36,20	37,00	0,0	6,3
1766	0	0	0	0	0,00	38,50	30,50	0,0	6,0
1766	4	23	0	0	0,00	40,80	28,20	0,0	6,3
1766	5	22	5	30	0,00	41,00	29,00	0,0	6,8
1766	8	5	0	0	0,00	41,50	26,30	0,0	6,1
1766	9	5	0	0	0,00	38,41	27,20	0,0	5,7
1766	10	9	0	0	0,00	39,95	41,70	0,0	5,8
1766	11	13	0	0	0,00	41,00	29,00	0,0	6,0
1769	2	20	0	0	0,00	41,00	29,00	0,0	5,7
1771	8	8	0	0	0,00	38,40	27,20	0,0	5,7
1776	6	16	0	0	0,00	38,40	27,20	0,0	6,3
1778	7	3	2	30	0,00	38,40	27,00	0,0	6,3
1780	10	28	0	0	0,00	35,00	25,75	0,0	7,3
1781	0	0	0	0	0,00	36,00	42,50	0,0	6,1
1781	1	27	0	0	0,00	39,90	41,30	0,0	5,8
1783	6	1	0	0	0,00	41,00	29,00	0,0	5,7
1783	7	20	0	0	0,00	35,60	34,40	0,0	6,5
1784	7	23	0	0	0,00	39,75	39,50	0,0	6,2
1784	10	26	0	0	0,00	41,00	25,50	0,0	6,3
1785	4	26	0	0	0,00	38,40	27,15	0,0	5,7
1786	1	30	0	0	0,00	38,40	27,15	0,0	5,7
1787	0	0	0	0	0,00	39,75	39,50	0,0	6,2
1789	5	29	20	30	0,00	38,90	39,50	0,0	7,3
1790	0	0	0	0	0,00	49,90	41,30	0,0	6,2
1794	6	16	0	0	0,00	41,00	29,00	0,0	5,7
1795	0	0	0	0	0,00	38,75	30,50	0,0	6,3

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1795	12	0	0	0	0,00	36,20	37,00	0,0	6,0
1796	2	26	0	0	0,00	35,40	39,70	0,0	6,3
1796	4	26	0	0	0,00	37,00	38,00	0,0	5,7
1802	0	0	0	0	0,00	34,00	36,00	0,0	5,4
1809	0	0	0	0	0,00	38,25	26,25	0,0	6,0
1814	1	0	0	0	0,00	35,00	26,25	0,0	6,0
1815	12	0	0	0	0,00	35,00	25,75	0,0	6,8
1817	0	0	0	0	0,00	37,75	27,00	0,0	6,0
1817	10	31	0	0	0,00	38,40	27,20	0,0	5,7
1819	2	0	0	0	0,00	36,70	37,10	0,0	5,6
1822	7	13	0	0	0,00	36,10	37,20	0,0	6,8
1822	8	13	0	0	0,00	36,00	36,00	0,0	6,1
1822	9	5	0	0	0,00	36,00	36,00	0,0	6,1
1825	0	0	0	0	0,00	40,55	35,85	0,0	6,5
1825	1	7	0	0	0,00	38,40	27,20	0,0	5,7
1826	2	8	20	30	0,00	39,50	28,00	0,0	6,3
1826	5	12	0	0	0,00	39,10	26,50	0,0	5,7
1827	0	0	0	0	0,00	40,70	36,60	0,0	6,3
1827	10	20	12	0	0,00	40,70	44,80	0,0	5,8
1828	6	15	5	0	0,00	38,40	27,20	0,0	6,0
1831	4	3	0	0	0,00	37,75	27,00	0,0	6,0
1835	8	1	3	30	0,00	39,75	35,70	0,0	6,3
1835	8	30	0	0	0,00	41,00	29,00	0,0	5,7
1835	11	25	0	0	0,00	40,15	26,60	0,0	5,7
1839	10	29	0	0	0,00	38,40	27,15	0,0	5,7
1840	0	0	0	0	0,00	38,40	27,15	0,0	5,7
1840	7	2	19	0	0,00	39,50	43,90	0,0	7,4

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1841	5	17	0	0	0,00	39,40	45,00	0,0	5,8
1841	10	6	2	30	0,00	41,00	29,00	0,0	6,0
1841	11	27	0	0	0,00	38,40	27,20	0,0	5,8
1842	7	12	0	0	0,00	37,50	30,00	0,0	5,7
1843	10	18	0	0	0,00	36,25	27,50	0,0	6,8
1844	1	1	0	0	0,00	39,90	41,30	0,0	5,6
1844	5	12	0	0	0,00	40,98	34,80	0,0	6,1
1845	5	24	1	0	0,00	41,60	43,50	12,0	5,2
1845	6	23	0	0	0,00	38,60	27,50	0,0	6,3
1845	10	9	0	0	0,00	39,30	26,30	0,0	5,8
1846	3	11	0	0	0,00	38,50	26,50	0,0	5,7
1846	4	23	21	0	0,00	42,40	42,80	0,0	5,7
1846	6	21	0	0	0,00	37,75	27,00	0,0	6,8
1846	9	19	0	0	0,00	40,40	26,65	0,0	5,7
1847	0	0	0	0	0,00	36,60	36,10	0,0	6,0
1847	6	29	0	0	0,00	37,85	27,18	0,0	5,7
1847	7	4	0	0	0,00	40,40	26,65	0,0	5,7
1848	3	31	24	0	0,00	38,30	43,50	0,0	6,7
1849	0	0	0	0	0,00	37,75	30,55	0,0	5,7
1850	0	0	0	0	0,00	39,90	41,30	0,0	5,8
1850	4	3	3	10	0,00	38,40	27,45	0,0	6,3
1850	7	9	6	20	0,00	37,80	27,80	0,0	5,7
1850	7	10	4	45	0,00	41,00	29,00	0,0	5,7
1850	10	13	9	23	0,00	38,40	27,20	0,0	6,3
1851	2	28	0	0	0,00	36,50	29,10	0,0	6,8
1851	4	21	0	0	0,00	40,00	28,40	0,0	6,1
1851	8	23	21	0	0,00	40,00	28,40	0,0	6,0

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1852	7	24	0	0	0,00	39,90	41,30	0,0	6,9
1852	10	19	3	25	0,00	36,60	29,10	0,0	6,0
1853	1	18	6	0	0,00	40,60	44,90	8,0	6,3
1854	2	2	0	0	0,00	36,00	36,00	0,0	5,7
1854	2	9	0	0	0,00	40,00	28,40	0,0	5,7
1855	0	0	0	0	0,00	37,06	35,75	0,0	5,7
1855	1	24	4	50	0,00	41,00	29,00	0,0	5,7
1855	2	28	3	0	0,00	40,20	29,00	0,0	6,8
1855	3	2	0	0	0,00	36,60	29,10	0,0	6,3
1855	12	15	21	30	0,00	41,00	29,00	0,0	5,7
1856	4	11	19	40	0,00	40,20	29,10	0,0	7,3
1856	10	12	0	45	0,00	36,25	28,00	0,0	7,3
1857	0	0	0	0	0,00	36,85	28,30	0,0	5,7
1857	2	12	3	0	0,00	38,40	27,20	0,0	6,0
1858	4	19	0	0	0,00	40,20	29,00	0,0	5,7
1858	4	27	0	0	0,00	41,00	29,00	0,0	5,7
1858	8	0	0	0	0,00	42,75	23,50	0,0	6,0
1859	0	0	0	0	0,00	38,50	26,00	0,0	5,7
1859	1	21	21	30	0,00	39,98	41,70	0,0	6,2
1859	6	2	10	30	0,00	40,10	41,50	0,0	6,5
1859	6	26	10	0	0,00	39,90	41,30	0,0	5,8
1859	8	21	2	0	0,00	40,25	25,90	0,0	6,8
1860	6	4	0	0	0,00	40,20	29,10	0,0	6,0
1860	8	6	0	0	0,00	40,50	25,50	0,0	6,0
1860	12	2	4	0	0,00	39,40	30,00	0,0	5,7
1860	12	3	0	0	0,00	39,90	41,30	0,0	5,8
1862	5	24	0	0	0,00	36,80	28,30	0,0	6,0

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1862	6	21	4	57	0,00	36,50	25,00	0,0	6,3
1862	10	0	0	0	0,00	40,00	30,10	0,0	6,0
1862	10	7	0	0	0,00	41,00	29,00	0,0	5,7
1862	10	16	0	0	0,00	38,80	30,50	0,0	6,3
1862	11	3	3	0	0,00	38,40	27,70	0,0	6,8
1863	4	22	20	30	0,00	36,50	28,00	0,0	6,8
1863	8	16	0	0	0,00	38,25	26,10	0,0	6,3
1864	10	2	0	0	0,00	36,10	29,60	0,0	6,3
1865	2	23	0	0	0,00	39,30	26,20	0,0	5,8
1865	7	23	21	30	0,00	39,40	26,20	0,0	6,8
1866	1	11	0	0	0,00	36,20	28,00	0,0	6,3
1866	1	13	0	0	0,00	38,25	26,20	0,0	6,0
1866	1	31	0	0	0,00	36,40	25,30	0,0	6,3
1866	2	2	0	0	0,00	38,25	26,25	0,0	6,3
1866	2	14	3	15	0,00	40,20	29,20	0,0	5,7
1866	4	25	0	0	0,00	38,40	27,20	0,0	5,7
1866	6	20	14	0	0,00	38,50	41,00	0,0	6,5
1866	7	22	0	0	0,00	38,40	39,40	0,0	6,2
1866	10	0	0	0	0,00	38,30	31,90	0,0	5,7
1867	3	7	6	0	0,00	39,10	26,50	0,0	6,8
1867	4	11	0	0	0,00	39,30	26,50	0,0	6,0
1867	7	22	3	0	0,00	39,30	26,20	0,0	6,0
1868	2	18	17	0	0,00	41,80	43,80	0,0	6,0
1868	4	2	3	30	0,00	40,00	41,70	0,0	6,2
1868	4	20	0	0	0,00	36,00	28,00	0,0	6,3
1868	4	23	0	0	0,00	39,30	26,40	0,0	5,7
1868	5	30	0	0	0,00	37,75	27,00	0,0	6,0

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1868	12	9	11	30	0,00	42,40	44,60	0,0	5,7
1869	4	18	4	0	0,00	36,60	27,80	0,0	6,3
1869	12	1	18	0	0,00	36,80	27,90	0,0	6,3
1869	12	26	19	0	0,00	40,70	44,30	0,0	6,3
1870	0	0	0	0	0,00	35,30	25,20	0,0	7,0
1870	1	3	0	0	0,00	40,50	26,50	0,0	5,7
1870	1	22	0	0	0,00	36,50	29,00	0,0	5,8
1870	7	14	0	0	0,00	41,70	26,60	0,0	5,7
1870	7	19	14	30	0,00	41,80	42,00	0,0	5,7
1871	3	17	0	0	0,00	38,00	43,00	0,0	6,8
1871	6	7	0	0	0,00	36,80	28,20	0,0	6,0
1871	10	8	11	10	0,00	38,40	26,10	0,0	6,1
1871	10	11	0	0	0,00	40,40	26,70	0,0	6,0
1871	12	2	13	45	0,00	39,90	43,10	0,0	5,9
1872	4	3	7	45	0,00	36,25	36,10	0,0	7,3
1872	4	7	3	0	0,00	37,70	26,90	0,0	5,7
1872	5	15	0	0	0,00	36,20	36,10	0,0	6,0
1873	2	1	1	0	0,00	37,75	27,00	0,0	5,8
1873	2	13	0	0	0,00	40,50	37,80	0,0	6,3
1873	2	14	0	0	0,00	36,10	35,90	0,0	5,4
1873	6	2	0	0	0,00	36,50	27,20	0,0	6,0
1873	6	26	0	0	0,00	41,00	29,00	0,0	5,7
1873	11	1	0	0	0,00	38,76	30,55	0,0	5,7
1873	11	9	0	0	0,00	40,50	25,60	0,0	6,0
1874	0	0	0	0	0,00	38,40	39,50	0,0	6,0
1874	6	28	0	0	0,00	37,80	26,80	0,0	6,0
1874	7	5	0	0	0,00	39,20	26,30	0,0	6,0

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1874	11	16	6	0	0,00	38,40	27,20	0,0	6,1
1875	3	5	0	0	0,00	40,20	26,40	0,0	6,0
1875	3	27	0	0	0,00	39,30	41,00	0,0	6,2
1875	5	3	9	0	0,00	38,10	30,10	0,0	6,8
1875	5	11	5	0	0,00	38,40	27,20	0,0	5,8
1875	7	7	0	0	0,00	37,75	26,90	0,0	6,7
1875	8	21	0	0	0,00	36,20	36,10	0,0	5,4
1875	10	0	0	0	0,00	40,20	26,40	0,0	6,8
1875	11	1	0	0	0,00	38,60	26,50	0,0	5,8
1875	11	1	10	0	0,00	39,90	41,30	0,0	7,3
1875	12	23	4	0	0,00	40,60	26,40	0,0	5,7
1876	4	17	0	0	0,00	40,20	29,10	0,0	5,7
1876	5	13	6	0	0,00	38,80	30,50	0,0	6,7
1876	6	0	0	0	0,00	37,70	30,20	0,0	5,7
1876	11	0	0	0	0,00	37,70	26,80	0,0	5,7
1877	8	8	6	30	0,00	42,60	43,50	0,0	5,7
1877	10	13	0	0	0,00	40,60	27,60	0,0	6,3
1878	4	9	0	0	0,00	37,85	27,85	0,0	5,7
1878	4	19	9	0	0,00	40,70	29,30	0,0	6,3
1880	3	28	0	0	0,00	42,00	35,20	0,0	6,3
1880	7	22	0	0	0,00	38,10	27,80	0,0	6,3
1880	7	29	4	40	0,00	38,60	27,10	0,0	6,7
1880	10	0	0	0	0,00	41,00	29,00	0,0	5,7
1881	4	3	11	30	0,00	38,25	26,10	0,0	7,3
1881	5	30	0	0	0,00	38,50	43,30	0,0	6,9
1881	9	28	0	0	0,00	40,60	33,60	0,0	6,3
1881	10	4	0	0	0,00	40,60	26,70	0,0	5,7

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1882	0	0	0	0	0,00	41,00	34,00	0,0	5,7
1882	3	21	0	0	0,00	38,40	26,10	0,0	6,0
1883	0	0	0	0	0,00	41,00	33,70	0,0	5,7
1883	10	15	15	30	0,00	38,30	26,30	0,0	6,8
1883	11	3	6	0	0,00	40,60	43,10	0,0	6,3
1884	1	23	0	0	0,00	39,80	26,30	0,0	5,7
1884	2	1	0	0	0,00	40,20	29,10	0,0	5,7
1884	2	10	0	0	0,00	37,80	42,60	0,0	6,3
1884	2	28	0	0	0,00	38,40	27,00	0,0	5,7
1884	4	6	0	0	0,00	36,20	36,70	0,0	5,7
1884	5	13	0	0	0,00	40,40	27,80	0,0	5,8
1884	6	6	0	0	0,00	36,30	36,70	0,0	5,7
1884	10	0	0	0	0,00	38,40	27,20	0,0	6,0
1884	12	4	0	0	0,00	38,40	27,20	0,0	5,7
1885	0	0	0	0	0,00	41,30	34,30	0,0	5,7
1885	2	29	0	0	0,00	37,20	27,20	0,0	6,8
1885	6	0	0	0	0,00	37,85	28,20	0,0	5,7
1885	7	5	0	0	0,00	41,00	29,00	0,0	5,7
1885	8	0	0	0	0,00	38,45	28,50	0,0	5,7
1886	3	0	0	0	0,00	39,90	41,30	0,0	5,4
1886	4	0	0	0	0,00	37,80	29,10	0,0	5,7
1886	8	0	0	0	0,00	41,00	29,00	0,0	5,7
1886	9	4	0	0	0,00	39,25	26,50	0,0	6,0
1886	11	27	8	5	0,00	38,25	26,10	0,0	6,0
1886	12	11	0	0	0,00	38,40	26,10	0,0	6,2
1887	1	0	0	0	0,00	37,80	29,10	0,0	5,8
1887	5	14	5	30	0,00	40,00	25,50	0,0	6,3

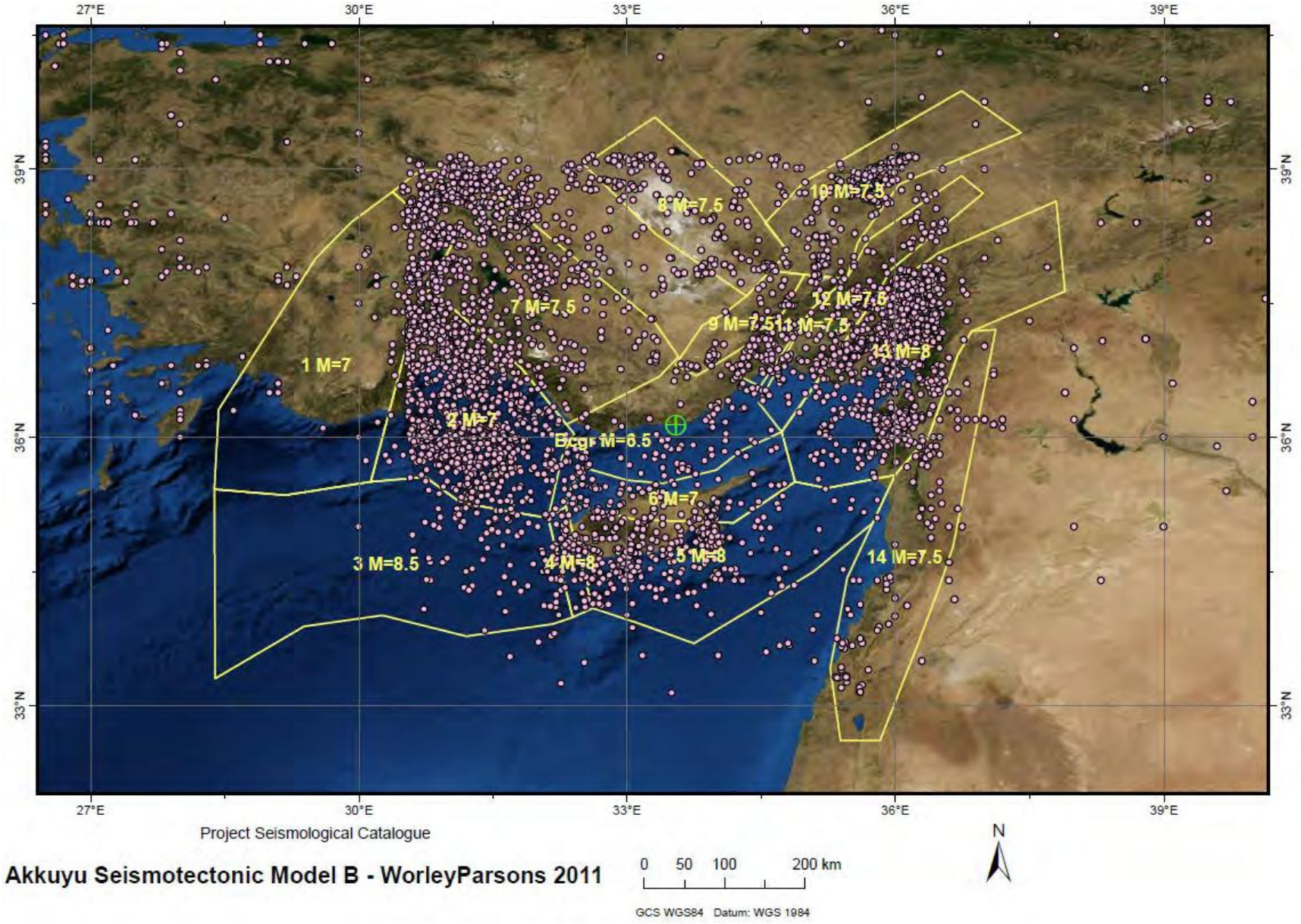
YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1887	6	0	0	0	0,00	38,40	26,10	0,0	5,7
1887	7	0	0	0	0,00	40,30	36,50	0,0	5,8
1887	7	7	17	45	0,00	42,10	42,00	0,0	6,0
1887	7	17	7	45	0,00	36,00	26,00	0,0	6,3
1887	8	6	0	0	0,00	36,90	28,70	0,0	6,0
1887	9	0	0	0	0,00	40,20	29,10	0,0	5,7
1888	3	15	0	0	0,00	38,40	26,10	0,0	5,7
1888	4	0	0	0	0,00	41,40	27,10	0,0	5,7
1888	5	0	0	0	0,00	38,40	26,10	0,0	6,3
1888	5	0	0	0	0,00	39,75	39,50	0,0	5,8
1888	9	23	0	0	0,00	41,10	42,80	0,0	6,2
1888	10	0	0	0	0,00	38,20	28,00	0,0	6,0
1889	10	25	23	20	0,00	39,30	26,30	0,0	6,8
1889	11	3	0	0	0,00	39,30	26,30	0,0	6,3
1890	0	0	0	0	0,00	40,60	36,90	0,0	5,7
1890	0	0	0	0	0,00	41,30	33,80	0,0	5,7
1890	3	9	0	0	0,00	36,80	27,25	0,0	6,0
1890	4	25	0	0	0,00	39,30	26,30	0,0	5,7
1890	5	20	0	0	0,00	39,90	38,80	0,0	6,9
1890	5	26	0	0	0,00	38,50	25,50	0,0	5,8
1890	8	20	0	0	0,00	38,00	28,00	0,0	5,7
1890	10	28	19	0	0,00	41,90	44,60	0,0	5,7
1890	12	14	16	30	0,00	37,85	27,30	0,0	5,7
1891	3	26	0	0	0,00	38,40	26,10	0,0	5,7
1891	11	0	0	0	0,00	41,00	37,90	0,0	5,7
1892	5	3	0	0	0,00	39,10	42,50	0,0	5,8
1892	6	18	13	40	0,00	41,20	42,10	0,0	5,7

YEAR	MONTH	DAY	HOUR	MIN	SEC	LAT	LON	DEPTH	Mw
1892	12	27	18	30	0,00	37,75	27,00	0,0	6,0
1893	1	28	18	0	0,00	40,50	25,50	0,0	6,8
1893	3	12	16	0	0,00	37,75	27,00	0,0	6,0
1893	3	31	0	0	0,00	38,40	38,70	0,0	6,6
1893	7	24	0	0	0,00	41,40	26,40	0,0	6,1
1894	5	14	0	0	0,00	36,60	35,60	0,0	6,2
1894	6	29	0	0	0,00	40,20	26,40	0,0	5,7
1894	7	10	0	0	0,00	40,80	29,00	0,0	7,0
1894	8	3	0	0	0,00	40,80	29,00	0,0	5,7
1894	11	26	11	30	0,00	41,30	44,60	0,0	5,7
1895	0	0	0	0	0,00	38,60	27,10	0,0	6,5
1895	8	19	0	0	0,00	37,80	27,80	0,0	6,5
1895	10	0	0	0	0,00	38,40	38,30	0,0	5,7
1895	11	14	0	0	0,00	39,10	27,10	0,0	6,3
1896	1	0	0	0	0,00	37,00	35,30	0,0	5,7
1896	4	16	9	45	0,00	39,30	29,20	0,0	6,3
1896	6	26	0	0	0,00	36,80	28,30	0,0	6,0
1896	6	29	23	0	0,00	34,90	33,60	0,0	6,3
1896	10	27	0	0	0,00	36,50	28,00	0,0	6,3
1897	5	0	0	0	0,00	36,80	28,30	0,0	6,0
1897	12	0	0	0	0,00	39,60	27,90	0,0	6,3
1898	2	0	0	0	0,00	37,90	28,00	0,0	5,7
1898	2	28	0	0	0,00	39,60	27,90	0,0	6,3
1898	8	13	0	0	0,00	41,60	43,40	0,0	5,7
1899	5	0	0	0	0,00	40,20	29,10	0,0	5,7
1899	9	20	10	30	0,00	37,90	28,10	0,0	6,7
1899	12	0	0	0	0,00	37,75	29,10	0,0	5,7

Source:
Final Report on Seismic Data From Turkey for the Siting and Site Revalidation of Nuclear Facilities, IAEA 5662/R3/RB, Yilmaz Bektur, 1996, Ankara
References: (There are 120 refered documents in the original paper**)**

Appendix N – Coordinates of ESO Zones and Other PSHA/DSHA Parameters

Seismic Hazard Assesment



Model B Hazard Input Document

ID	Geologic structure	Prevalent tectonic movement	Mmin SHA calcs	Mmax	Focal Depths (Ranges) [km]	Annual recurrence rate (M>5)	Richter b value	Attenuation Model (weight)	DELTA Dip of rupture plane [angle] (weight)	Ztor (weight)	Rrup [km]	References
1	Isparta and surrounding basins	NNE-SSW trending left lateral strike-slip faults, locally with relevant normal component controlling the growth of extensional tectonic basins.	**5**	7	5-50	0,089888	1,1	CB08(0.9) AB06(0.1)	90 (0.6) Strike-slip 60 (0.4) Normal	**0**	**280**	Kogicit & Deveci (2007); Kogicit & Ozacar (2003
2	Antalya Gulf	N-S trending reverse faults (e.g. Aksu thurst fault zone), locally reactivated as normal faults.	**5**	7	5-50	0,41573	1,1	CB08(0.9) AB06(0.1)	30 (0.6) Reverse 60 (0.4) Normal	**0**	**96**	

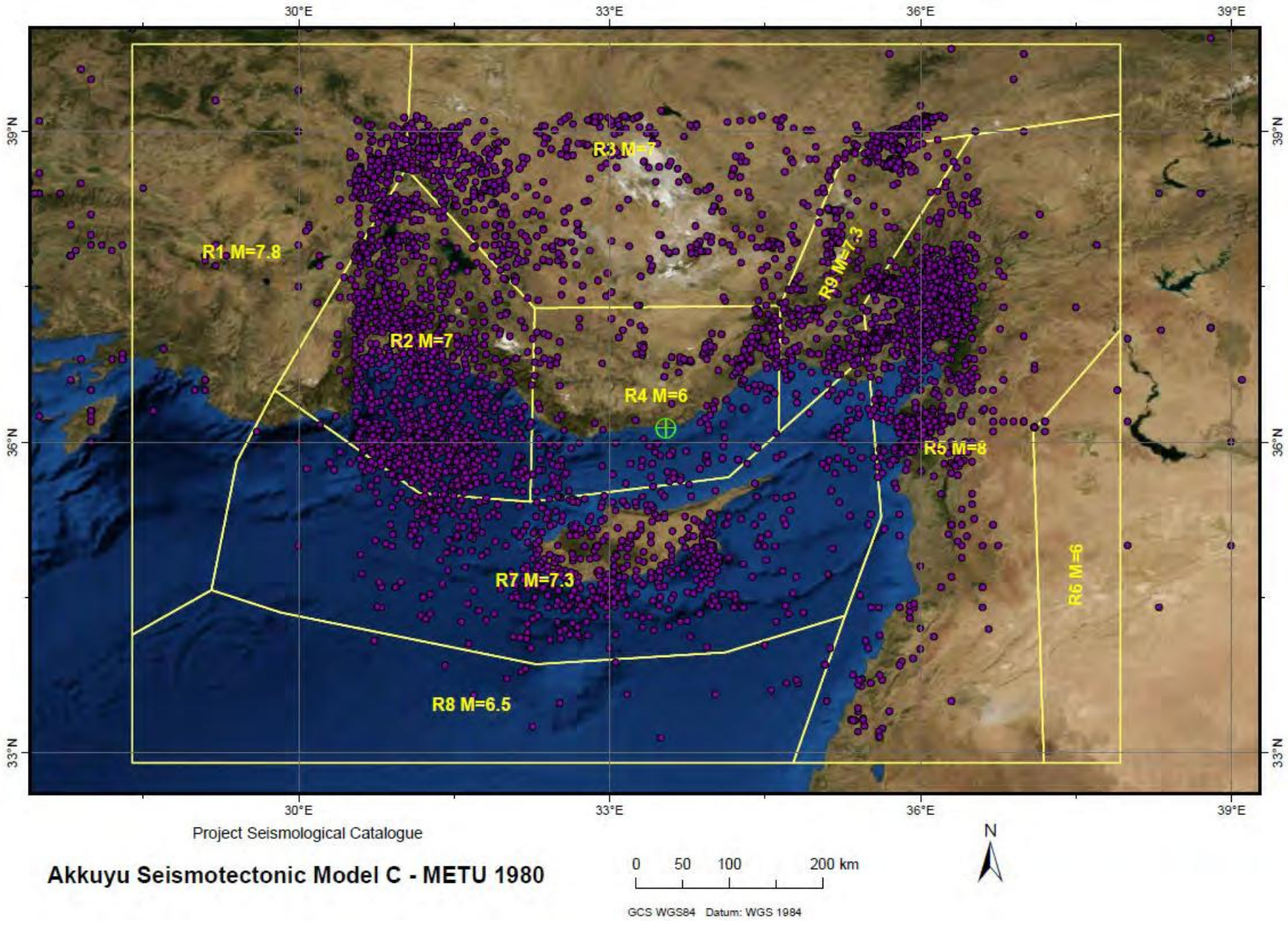
ID	Geologic structure	Prevalent tectonic movement	Mmin SHA calcs	Mmax	Focal Depths (Ranges) [km]	Annual recurrence rate (M>5)	Richter b value	Attenuation Model (weight)	DELTA Dip of rupture plane [angle] (weight)	Ztor (weight)	Rrup [km]	References
3	Eastern Mediterranean subduction zone	E-W trending, N dipping subduction zone, characterized by reverse as well as NW-SE and NE-SW trending strike-slip faults.	**5**	8,5	10-200 Subduction zone 5-50 Strike-slip	0,089888	**0,9**	Y97(0.5) Z06 (0.5)	45(0.5) Reverse 80 (0.5) Strike	**45 (0.5) 0 (0.5)**	**165**	
4	Western Cyprus	NNW-SSE trending transform fault, characterized by left lateral strike-slip faults	**5**	8	5-50	0,05618	**0,9**	Y97(0.5) Z06 (0.5)	80	**0**	**150**	
5	Southern Cyprus	E-W trending active subduction zone	**5**	8	10-200	0,179775	**0,9**	Y97(0.5) Z06 (0.5)	45	**10**	**115**	Ergun et al., 2005

ID	Geologic structure	Prevalent tectonic movement	Mmin SHA calcs	Mmax	Focal Depths (Ranges) [km]	Annual recurrence rate (M>5)	Richter b value	Attenuation Model (weight)	DELTA Dip of rupture plane [angle] (weight)	Ztor (weight)	Rrup [km]	References
6	Northern Cyprus	Ancient subduction zone, reactivated with normal mechanisms (E-W trending N dipping)	**5**	7	10-50	0,001124	**0.9** (0.66) 1.1 (0.34)	CB08(0.31) AB06(0.03) Y97(0.33) Z06 (0.33)	60	**0**	**58**	Ergun et al., 2005
7	Aksehir, Beysehri, Karaman fault	NW-SE trending normal faulting, locally with strike-slip component, along older thrusts (e.g. Sultandag).	**5**	7,5	5-50	0,157303	1,1	CB08(0.9) AB06(0.1)	60 (0.7) 80 (0.3)	**0**	**65**	

ID	Geologic structure	Prevalent tectonic movement	Mmin SHA calcs	Mmax	Focal Depths (Ranges) [km]	Annual recurrence rate (M>5)	Richter b value	Attenuation Model (weight)	DELTA Dip of rupture plane [angle] (weight)	Ztor (weight)	Rrup [km]	References
8	Salt Lake, Tugzolu faults	NNW-SSE trending right lateral strike-slip fault, locally with normal or reverse component	**5**	7,5	5-50	0,001124	1,1	CB08(0.9) AB06(0.1)	80 (0.7) 50 (0.3)	**0**	**177**	
9	Akca - Kamisli - Namrun fault zone	NW-SE trending left lateral strike-slip fault, locally with normal or reverse component	**5**	7,5	5-50	0,001124	1,1	CB08(0.9) AB06(0.1)	80 (0.7) 50 (0.3)	**0**	**75**	Kocigiit and Beyham, 1998; Canitez et al. (1989)
10	Siva faults	ENE-WSW trending left lateral strike-slip fault	**5**	7,5	5-50	0,022472	1,1	CB08(0.9) AB06(0.1)	80	**0**	**202**	

ID	Geologic structure	Prevalent tectonic movement	Mmin SHA calcs	Mmax	Focal Depths (Ranges) [km]	Annual recurrence rate (M>5)	Richter b value	Attenuation Model (weight)	DELTA Dip of rupture plane [angle] (weight)	Ztor (weight)	Rrup [km]	References
11	Ecemis fault zone	NNE-SSW trending left lateral strike-slip fault	**5**	7,5	5-50	0,001124	1,1	CB08(0.9) AB06(0.1)	80	**0**	**82**	Kocigiit and Beyham, 1998; Jaffey and Robertson (2001)
12	Kozan - Gonsku fault zone	NNE-SSW trending left lateral strike-slip fault	5	7,5	5-50	0,033708	**1,1**	CB08(0.9) AB06(0.1)	80	**0**	87	Aksu et al. 2005; Aydan et al., 1998
13	Eastern Anatolian fault zone and Adana Basin	NE-SW trending left lateral strike-slip fault	5	8	5-50	0,303371	**1,1**	CB08(0.9) AB06(0.1)	80	**0**	101	
14	Dead Sea fault	N-S trending left lateral transform fault	5	7,5	0-50	0,05618	**1,1**	CB08(0.9) AB06(0.1)	80	**0**	232	

ID	Geologic structure	Prevalent tectonic movement	Mmin SHA calcs	Mmax	Focal Depths (Ranges) [km]	Annual recurrence rate (M>5)	Richter b value	Attenuation Model (weight)	DELTA Dip of rupture plane [angle] (weight)	Ztor (weight)	Rrup [km]	References
Background		No evidence of relevant capable tectonic structures. Diffuse seismicity	5	6,5	25 (0.5) 18(0.5)	0.030 (0.5) 0.1 (0.5)	**1,1**	CB08(0.9) AB06(0.1)	80 (0.34) 60(0.33) 40 (0.33)	**5**	8.8 (0.5) 15(0.5)	


30°E
33°E
36°E
39°E
39°N
36°N
33°N
R1 M=7.8
R2 M=7
R3 M=7
R4 M=6
R5 M=8
R6 M=6
R7 M=7.3
R8 M=6.5
R9 M=7.3
Project Seismological Catalogue
Akkuyu Seismotectonic Model C - METU 1980
0 50 100 200 km
N
GCS WGS84 Datum: WGS 1984

ID	**Prevalent tectonic movement**	Mmin **SHA calcs**	Mmax	**Focal Depths (Ranges) [km]**	**Annual recurrence rate**	**Richter b value**	**Attenuation Model (weight)**	**DELTA Dip of rupture plane [angle] (weight)**	**Ztor (weight)**	**Rrup [km]**
1	NNE-SSW trending left lateral strike-slip faults, locally with relevant normal component controlling the growth of extensional tectonic basins.	5	**7,8**	5-50	0,101124	1,1	CB08(0.9) AB06(0.1)	90 (0.6) Strike-slip 60 (0.4) Normal	**0**	312
2	NW-SE and N-S trending reverse and normal faults, locally with strike-slip component, along older thrusts	5	**7**	5-50	0,438202	1,1	CB08(0.9) AB06(0.1)	50 (0.5) Reverse 60 (0.3) Normal 80 (0.2) Strike	**0**	110
3	NNW-SSE trending right lateral strike-slip fault, locally with normal or reverse component	5	**7**	5- 50	0,157303	1,1	CB08(0.9) AB06(0.1)	80 (0.7) Strike 50 (0.3)	**0**	130
4	NW-SE trending left lateral strike-slip fault, locally with normal or reverse component	5	**6**	10-50	0,022472	1,1	CB08(0.9) AB06(0.1)	80 (0.7) Strike 50 (0.3)	**5**	5
5	N-S trending left lateral transform fault	5	**8**	0-50	0,348315	1,1	CB08(0.9) AB06(0.1)	80	**0**	175
6	Palmyra fault oblique-left to reverse faulting	5	**6**	10-50	0,001124	1,1	CB08(0.9) AB06(0.1)	60	**5**	313

ID	**Prevalent tectonic movement**	Mmin **SHA calcs**	Mmax	**Focal Depths (Ranges) [km]**	**Annual recurrence rate**	**Richter b value**	**Attenuation Model (weight)**	**DELTA Dip of rupture plane [angle] (weight)**	**Ztor (weight)**	**Rrup [km]**
7	E-W trending, N dipping subduction zone, characterized by reverse as well as NW-SE and NE-SW trending strike-slip faults.	5	**7,3**	10-200 Reverse 5-50 Strike-slip and normal	0,404494	0,9	Y97(0.5) Z06 (0.5)	40 (0.4) 60 (0.3) 80 (0.3)	**0**	83 (0.5) 51 (0.5)
8	Reverse faulting, locally with strike-slip component. Normal faulting especially in the eastern sector	5	**6,5**	10-50	0,001124	1,1	CB08(0.9) AB06(0.1)	50 (0.5) Reverse 60 (0.2) Normal 80 (0.3) Strike	**10**	234
9	NNE-SSW trending left lateral strike-slip fault	5	**7,3**	5-50	0,067416	1,1	CB08(0.9) AB06(0.1)	80	**0**	97

Rates for gross sources in units of number per year; for background seismicity it is in units of number per year per 10.000 km2 (calculated for r=200km), (Completeness 89 years, M>=5)
Discrete depth values are used in the calculations.
*Parameters that will be the same in All models: **Vs30**: 1300m/s, **Z2.5**: 0.5km*

Model B

Zone	**X_E**	**Y_N**			**X_E**	**Y_N**
	Longitude	Latitude			Longitude	Latitude
B1_SHA	29,1711	35,3550		B2_SHA	30,1297	35,5054
	28,3816	35,4208			30,7860	37,6762
	30,1297	35,5054			30,7416	35,5578
	28,4285	36,3137			31,8098	36,7817
	30,5245	36,9998			31,1383	35,2708
	29,5188	38,0055			32,1630	36,3411
	31,0350	38,1494			32,1151	35,0984
	30,3741	38,7480			32,4060	36,0380
B3_INT	28,3910	33,3061		B3_SLAB	28,3910	33,3061
	28,3816	35,4208			28,3816	35,4208
	29,3872	33,8888			29,3872	33,8888
	29,1711	35,3550			29,1711	35,3550
	30,2613	34,0110			30,2613	34,0110
	30,7416	35,5578			30,7416	35,5578
	31,2012	33,7760			31,2012	33,7760
	31,1383	35,2708			31,1383	35,2708
	32,3901	33,9898			32,3901	33,9898
	32,1151	35,0984			32,1151	35,0984
B4_SHA	32,3901	33,9898		B5_INT	32,6160	34,0936
	32,1151	35,0984			32,3008	35,2798
	32,6160	34,0936			33,7438	33,6988
	32,3148	35,2274			33,0903	35,0825
					35,0785	34,4977
					34,1900	35,0449
					35,3624	34,7312
					34,6735	35,3694
					35,9594	35,5047
					34,8761	35,5054
B5_SLAB	32,6160	34,0936		B6_INT	32,3008	35,2798
	32,3008	35,2798			32,4852	35,6732
	33,7438	33,6988			33,0903	35,0825
	33,0903	35,0825			32,9963	35,5242
	35,0785	34,4977			34,1900	35,0449
	34,1900	35,0449			33,4005	35,4866
	35,3624	34,7312			34,8761	35,5054
	34,6735	35,3694			33,9968	35,6368
	35,9594	35,5047			34,7258	36,0643
	34,8761	35,5054			34,2655	35,8482
B6_SLAB	32,3008	35,2798		B7_SHA	33,3567	36,6792
	32,4852	35,6732			32,3182	36,1476
	33,0903	35,0825			33,5723	36,9011
	32,9963	35,5242			31,8098	36,7817

Zone	**X_E**	**Y_N**			**X_E**	**Y_N**
	Longitude	Latitude			Longitude	Latitude
	34,1900	35,0449			33,3137	37,2800
	33,4005	35,4866			30,7860	37,6762
	34,8761	35,5054			31,4467	38,7940
	33,9968	35,6368			31,0350	38,1494
	34,7258	36,0643			30,8064	39,0017
	34,2655	35,8482			30,3741	38,7480
B8_SHA	34,8009	38,0713		B9_SHA	33,7717	36,6883
	34,3315	37,5825			33,5393	36,8140
	34,3409	38,6822			34,5377	37,1596
	33,3164	38,2780			33,8443	37,2562
	33,3070	39,5845			34,7143	37,3461
	32,5175	39,0487			34,0678	37,3757
					34,9850	37,8217
					34,6010	37,8631
B10_SHA	35,4494	37,7705		B11_SHA	34,4888	36,5713
	34,6010	37,8631			34,2431	36,6877
	35,5810	38,1840			35,0641	37,4415
	34,8009	38,0713			34,5377	37,1596
	36,0415	38,8326			35,4494	37,7705
	34,5423	38,4001			34,9850	37,8217
	36,5474	39,0454				
	34,9795	38,8608				
	37,4044	39,4059				
	36,7370	39,8758				
B12_SHA	34,7258	36,0643		B13_SHA	35,9945	35,5806
	34,4727	36,3890			35,2367	35,4356
	35,7740	37,5654			36,3705	36,0035
	35,0641	37,4415			34,8761	35,5054
	35,9476	37,8739			36,5309	36,4575
	35,4494	37,7705			34,7258	36,0643
	36,3150	38,1779			36,6995	36,9246
	35,7032	38,2122			35,7740	37,5654
	36,9814	38,7292			36,8498	37,1878
	36,7370	38,9265			36,4927	38,0713
					37,8931	37,6483
					37,7991	38,6446
B14_SHA	35,8254	32,6106				
	35,3836	32,6106				
	36,1491	33,4308				
	35,2714	33,4195				

Zone	**X_E**	**Y_N**			**X_E**	**Y_N**
	Longitude	Latitude			Longitude	Latitude
	36,6431	34,7817				
	35,4617	34,4312				
	36,8187	35,6701				
	35,9945	35,5806				
	36,8973	36,0677				
	36,3705	36,0035				
	37,0446	36,8131				
	36,6995	36,9246				
	37,1224	37,2066				
	36,8498	37,1878				

Model C
ST Model C coordinates

Zone	**X_E**	**Y_N**		**X_E**	**Y_N**
	Longitude	Latitude		Longitude	Latitude
C1_SHA	28,3941	39,8438	C2_SHA	32,2757	37,2959
	31,0909	39,8438		32,2330	35,4256
	28,3941	38,5667		31,6408	37,9855
	31,0360	38,6425		31,1643	35,5111
	28,3941	35,8725		31,0360	38,6425
	29,4009	35,8104		29,7642	36,5050
	28,3941	34,1429			
	29,1551	34,5707			
C3_SHA	37,9275	39,8438	C4_SHA	34,6449	37,3198
	37,9275	39,1698		34,6310	36,0919
	35,2623	39,8438		34,0465	37,3138
	35,2699	38,7966		34,1460	35,6608
	34,5971	39,8438		32,2757	37,2959
	34,6449	37,3198		32,2330	35,4256
	32,3826	39,8438			
	32,2757	37,2959			
	31,0909	39,8438			
	31,0360	38,6425			
C5_SHA	37,0101	39,0593	C6_SHA	37,9275	32,9050
	37,9275	39,1698		37,1876	32,9050
	36,1979	38,5142		37,9275	37,0848
	37,9275	37,0848		37,0849	36,1096
	35,4498	37,3279			
	37,0849	36,1096			
	35,6208	35,2760			
	37,1454	34,2232			
	34,7702	32,9050			
	37,1876	32,9050			
C7_INT	35,4925	36,8577	C7_SLAB	35,4925	36,8577
	35,6208	35,2760		35,6208	35,2760
	34,1460	35,6608		34,1460	35,6608
	35,2681	34,3249		35,2681	34,3249
	33,7548	35,6127		33,7548	35,6127
	34,1139	33,9722		34,1139	33,9722
	32,2330	35,4256		32,2330	35,4256
	32,2864	33,8546		32,2864	33,8546
	31,1643	35,5111		31,1643	35,5111
	29,1551	34,5707		29,1551	34,5707

Zone	**X_E**	**Y_N**		**X_E**	**Y_N**
	Longitude	Latitude		Longitude	Latitude
	29,7642	36,5050		29,7642	36,5050
	29,4009	35,8104		29,4009	35,8104
C8_SHA	35,2681	34,3249	C9	35,4925	36,8577
	34,7702	32,9050		34,6310	36,0919
	34,1139	33,9722		35,4498	37,3279
	32,2778	32,9050		34,6449	37,3198
	32,2864	33,8546		36,4900	38,9680
	29,8680	32,9050		35,2699	38,7966
	29,8284	34,3569			
	28,3941	32,9050			
	29,1551	34,5707			
	28,3941	34,1429			

Coordinates of ESO zones by RJZZO

Coordinates of ESO zones by RIZZO

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
1	Eskişehir Fault Zone	38.928	33.055
		38.554	33.359
		38.368	32.974
		38.629	32.693
		38.944	32.193
		39.114	31.870
		40.090	28.829
		40.184	29.510
		40.264	29.818
		39.908	31.163
		39.577	31.921
		38.928	33.055
2	Simav-Sultandagh Fault System	37.353	32.328
		37.749	31.795
		38.117	31.270
		38.429	30.674
		38.549	30.408
		38.862	30.964
		38.789	31.158
		38.421	31.864
		37.932	32.533
		37.656	32.807
		37.353	32.328
3	Fethiye-Burdur Fault	38.117	31.270
		37.759	30.710
		37.485	30.331
		37.170	29.990
		36.620	29.563
		35.860	29.219
		35.841	29.189
		36.716	28.502
		37.088	28.932
		37.612	29.593
		37.867	29.946

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		37.874	29.956
		38.429	30.674
		38.117	31.270
4	Overriding Plate	34.681	32.018
		34.985	30.903
		35.434	30.458
		35.698	30.256
		36.618	29.632
		37.170	29.990
		37.485	30.331
		37.759	30.710
		36.976	30.838
		36.459	31.100
		35.858	31.423
		35.424	31.849
		35.250	32.204
		34.681	32.018
5	Cyprus Arc Interface	35.443	32.266
		35.25	32.204
		34.681	32.018
		34.985	30.903
		35.434	30.458
		35.698	30.256
		36.618	29.632
		37.069	30.126
		37.190	30.514
		35.957	30.998
		35.748	31.334
		35.443	32.266
6	Cyprus Arc Intraslab	35.250	32.204
		35.311	31.868
		35.462	31.356

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		35.703	30.860
		37.069	30.126
		37.473	31.442
		36.416	31.922
		35.933	32.427
		35.250	32.204
7	Cyprean Arc-Trodos Mountain	35.017	33.382
		33.990	33.557
		33.857	32.061
		33.928	31.776
		35.250	32.204
		35.112	32.308
		35.024	32.818
		35.017	33.382
8	Cyprus Arc-Transform	35.702	35.810
		34.695	35.638
		34.407	35.127
		34.193	34.554
		33.990	33.557
		35.017	33.382
		35.219	34.059
		35.433	34.518
		35.646	34.932
		35.935	35.343
		36.479	35.946
		35.702	35.810
9	Dead Sea Fault	34.695	35.638
		35.702	35.810
		35.720	36.428
		32.232	36.054
		32.233	35.278

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		34.695	35.638
10	Hatay-Northern Dead Sea Fault	37.101	36.955
		35.720	36.428
		35.702	35.810
		36.479	35.946
		36.526	36.000
		36.971	36.250
		37.178	36.426
		37.178	36.426
		37.635	36.757
		37.142	36.971
		37.101	36.955
11	Kozan-Savran-Surgu Fault Zone	36.865	34.645
		37.055	34.870
		37.135	34.967
		37.724	35.859
		38.465	36.894
		38.181	37.232
		37.780	36.694
		37.635	36.757
		37.178	36.426
		36.971	36.250
		36.526	36.000
		36.479	35.946
		36.144	35.574
		36.322	35.347
		36.865	34.645

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
12	Beysehir Fault	37.353	32.328
		36.927	33.029
		36.619	32.841
		37.090	31.924
		37.553	31.499
		37.749	31.794
		37.353	32.328
13A	Ecemis Fault I	37.135	34.967
		37.126	34.954
		37.055	34.870
		37.112	34.342
		37.569	34.624
		37.575	34.627
		38.038	34.945
		39.217	35.606
		39.080	36.148
		37.849	35.430
		37.135	34.967
13B	Ecemis Fault II	39.217	35.606
		39.080	36.148
		37.849	35.430
		37.135	34.967
		37.055	34.870
		36.865	34.645
		36.822	34.701
		36.027	34.298
		36.173	33.783
		37.112	34.342
		37.569	34.624
		38.038	34.945
		39.217	35.606

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
14	Tuz Golu Fault	38.038	34.945
		37.575	34.627
		37.569	34.624
		37.968	33.899
		38.554	33.359
		38.928	33.055
		39.492	32.679
		39.833	33.235
		38.274	34.614
		38.038	34.945
15	5-km Site Vicinity	36.189	33.541
		36.185	33.563
		36.174	33.582
		36.158	33.594
		36.139	33.596
		36.121	33.589
		36.108	33.573
		36.100	33.552
		36.100	33.529
		36.108	33.508
		36.121	33.493
		36.139	33.485
		36.158	33.488
		36.174	33.499
		36.185	33.518
		36.189	33.541
16A	Namrun Fault I	37.112	34.342
		36.642	34.060
		36.550	33.835
		36.372	33.585
		36.125	33.130

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		36.340	32.950
		36.550	33.335
		36.770	33.645
		36.862	33.874
		36.963	34.015
		37.094	34.293
		37.112	34.342
16B	Namrun Fault II	37.112	34.342
		36.412	33.924
		36.175	33.581
		36.168	33.494
		36.125	33.130
		36.340	32.950
		36.550	33.335
		36.770	33.645
		36.862	33.874
		36.963	34.015
		37.094	34.293
		37.112	34.342
BZ-I	Background I	36.189	33.541
		38.368	32.974
		38.554	33.359
		37.968	33.899
		37.569	34.624
		37.112	34.342
		37.055	34.870
		36.865	34.645
		36.322	35.347
		36.144	35.574
		35.935	35.343
		35.646	34.932

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		35.433	34.518
		35.219	34.059
		35.017	33.382
		35.024	32.818
		35.112	32.308
		35.250	32.204
		35.424	31.849
		35.858	31.423
		36.459	31.100
		36.976	30.838
		37.759	30.710
		38.117	31.270
		37.749	31.795
		37.553	31.499
		37.090	31.924
		36.619	32.841
		36.927	33.029
		37.353	32.328
		37.656	32.807
		37.932	32.533
		38.421	31.864
		38.569	31.583
		38.861	32.326
		38.629	32.693
		38.368	32.974
		36.189	33.541
		36.185	33.563
		36.174	33.582
		36.158	33.594
		36.139	33.596
		36.121	33.589

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		36.108	33.573
		36.100	33.552
		36.100	33.529
		36.108	33.508
		36.121	33.493
		36.139	33.485
		36.158	33.488
		36.174	33.499
		36.185	33.518
		36.189	33.541
		38.368	32.974
BZ-II	Background II	38.368	32.974
		38.554	33.359
		37.968	33.899
		37.569	34.624
		37.112	34.342
		36.173	33.783
		36.027	34.298
		36.822	34.701
		36.322	35.347
		36.144	35.574
		35.935	35.343
		35.646	34.932
		35.433	34.518
		35.219	34.059
		35.017	33.382
		35.024	32.818
		35.112	32.308
		35.250	32.204
		35.424	31.849
		35.858	31.423

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		36.459	31.100
		36.976	30.838
		37.759	30.710
		38.117	31.270
		37.749	31.795
		37.553	31.499
		37.090	31.924
		36.619	32.841
		36.927	33.029
		37.353	32.328
		37.656	32.807
		37.932	32.533
		38.421	31.864
		38.569	31.583
		38.861	32.326
		38.629	32.693
		38.368	32.974
		36.189	33.541
		36.185	33.563
		36.174	33.582
		36.158	33.594
		36.139	33.596
		36.121	33.589
		36.108	33.573
		36.100	33.552
		36.100	33.529
		36.108	33.508
		36.121	33.493
		36.139	33.485
		36.158	33.488
		36.174	33.499

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		36.185	33.518
		36.189	33.541
		38.368	32.974
BZ-III	Background III	38.569	31.583
		38.861	32.326
		38.629	32.693
		38.368	32.974
		38.554	33.359
		37.968	33.899
		37.569	34.624
		37.112	34.342
		37.094	34.293
		36.963	34.015
		36.862	33.874
		36.770	33.645
		36.550	33.335
		36.340	32.950
		36.125	33.130
		36.372	33.585
		36.550	33.835
		36.642	34.060
		37.112	34.342
		37.055	34.870
		36.865	34.645
		36.322	35.347
		36.144	35.574
		35.935	35.343
		35.646	34.932
		35.433	34.518
		35.219	34.059
		35.017	33.382

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		35.024	32.818
		35.112	32.308
		35.250	32.204
		35.424	31.849
		35.858	31.423
		36.459	31.100
		36.976	30.838
		37.759	30.710
		38.117	31.270
		37.749	31.795
		37.553	31.499
		37.090	31.924
		36.619	32.841
		36.927	33.029
		37.353	32.328
		37.656	32.807
		37.932	32.533
		38.421	31.864
		38.569	31.583
		36.189	33.541
		36.185	33.563
		36.174	33.582
		36.158	33.594
		36.139	33.596
		36.121	33.589
		36.108	33.573
		36.100	33.552
		36.100	33.529
		36.108	33.508
		36.121	33.493
		36.139	33.485

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		36.158	33.488
		36.174	33.499
		36.185	33.518
		36.189	33.541
		38.569	31.583
BZ-IV	Background IV	38.368	32.974
		38.554	33.359
		37.968	33.899
		37.569	34.624
		37.112	34.342
		37.094	34.293
		36.963	34.015
		36.862	33.874
		36.770	33.645
		36.550	33.335
		36.340	32.950
		36.125	33.130
		36.168	33.494
		36.175	33.581
		36.412	33.924
		37.112	34.342
		37.055	34.870
		36.822	34.701
		36.322	35.347
		36.144	35.574
		35.935	35.343
		35.646	34.932
		35.433	34.518
		35.219	34.059
		35.017	33.382
		35.024	32.818

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		35.112	32.308
		35.250	32.204
		35.424	31.849
		35.858	31.423
		36.459	31.100
		36.976	30.838
		37.759	30.710
		38.117	31.270
		37.749	31.795
		37.553	31.499
		37.090	31.924
		36.619	32.841
		36.927	33.029
		37.353	32.328
		37.656	32.807
		37.932	32.533
		38.421	31.864
		38.569	31.583
		38.861	32.326
		38.629	32.693
		38.368	32.974
		36.189	33.541
		36.185	33.563
		36.174	33.582
		36.158	33.594
		36.139	33.596
		36.121	33.589
		36.108	33.573
		36.100	33.552
		36.100	33.529
		36.108	33.508

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		36.121	33.493
		36.139	33.485
		36.158	33.488
		36.174	33.499
		36.185	33.518
		36.189	33.541
		38.368	32.974
BZ-V	Background V	36.372	33.585
		36.550	33.835
		36.642	34.060
		36.173	33.783
		36.027	34.298
		36.822	34.701
		36.865	34.645
		36.322	35.347
		36.144	35.574
		35.935	35.343
		35.646	34.932
		35.433	34.518
		35.219	34.059
		35.017	33.382
		35.024	32.818
		35.112	32.308
		35.250	32.204
		35.424	31.849
		35.858	31.423
		36.459	31.100
		36.976	30.838
		37.759	30.710
		38.117	31.270
		37.749	31.795

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		37.553	31.499
		37.090	31.924
		36.619	32.841
		36.927	33.029
		37.353	32.328
		37.656	32.807
		37.932	32.533
		38.421	31.864
		38.569	31.583
		38.861	32.326
		38.629	32.693
		38.368	32.974
		38.554	33.359
		37.968	33.899
		37.569	34.624
		37.112	34.342
		37.094	34.293
		36.963	34.015
		36.862	33.874
		36.770	33.645
		36.550	33.335
		36.340	32.950
		36.125	33.130
		36.372	33.585
		36.189	33.541
		36.185	33.563
		36.174	33.582
		36.158	33.594
		36.139	33.596
		36.121	33.589
		36.108	33.573

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		36.100	33.552
		36.100	33.529
		36.108	33.508
		36.121	33.493
		36.139	33.485
		36.158	33.488
		36.174	33.499
		36.185	33.518
		36.189	33.541
		36.372	33.585
BZ-VI	Background VI	38.368	32.974
		38.554	33.359
		37.968	33.899
		37.569	34.624
		37.112	34.342
		37.094	34.293
		36.963	34.015
		36.862	33.874
		36.770	33.645
		36.550	33.335
		36.340	32.950
		36.125	33.130
		36.168	33.494
		36.175	33.581
		36.412	33.924
		36.173	33.783
		36.027	34.298
		36.822	34.701
		36.322	35.347
		36.144	35.574
		35.935	35.343

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		35.646	34.932
		35.433	34.518
		35.219	34.059
		35.017	33.382
		35.024	32.818
		35.112	32.308
		35.250	32.204
		35.424	31.849
		35.858	31.423
		36.459	31.100
		36.976	30.838
		37.759	30.710
		38.117	31.270
		37.749	31.795
		37.553	31.499
		37.090	31.924
		36.619	32.841
		36.927	33.029
		37.353	32.328
		37.656	32.807
		37.932	32.533
		38.421	31.864
		38.569	31.583
		38.861	32.326
		38.629	32.693
		38.368	32.974
		36.189	33.541
		36.185	33.563
		36.174	33.582
		36.158	33.594
		36.139	33.596

SOURCE ZONE NUMBER	SOURCE ZONE NAME	COORDINATES OF ZONE VERTICES	
		LATITUDE (DEG)	LONGITUDE (DEG)
		36.121	33.589
		36.108	33.573
		36.100	33.552
		36.100	33.529
		36.108	33.508
		36.121	33.493
		36.139	33.485
		36.158	33.488
		36.174	33.499
		36.185	33.518
		36.189	33.541
		38.368	32.974

Coordinates of ESO-zones polygone verticles in the Mode 4 (IPE)

ESO-zone in the Model 4 (IPE)	Latitude North, degrees	Longitude East, degrees
1	35,313066	39,001753
	36,211718	39,004191
	35,958916	38,655404
	35,366231	37,723417
	35,152753	37,317774
	34,62347	36,601149
	34,086654	36,106022
	33,512089	36,667754
	33,985732	37,09309
	34,44355	37,480407
	34,822738	37,994094
	35,162672	38,60894
2	32,088953	38,993008
	33,941458	39,010691
	34,264049	38,62549
	34,413565	38,461339
	34,547325	38,303474
	34,696831	38,132993
	34,814856	37,994073
	34,44355	37,480407
	33,985732	37,09309
	33,757407	37,269686
	33,473961	37,484107
	33,222826	38,192286
	33,136383	38,362938
	32,742686	38,64668
3	32,088953	38,993008
	32,071481	37,910682
	32,362131	37,265901
	32,511228	36,835926
	32,447835	36,626893
	32,045567	36,473903
	31,959084	36,619238
	31,786169	36,941554
	31,346013	37,756816
	31,347979	39,003656

ESO-zone in the Model 4 (IPE)	Latitude North, degrees	Longitude East, degrees
4	32,734803	38,646659
	33,136373	38,356609
	33,222826	38,192286
	32,370014	37,265922
	32,322816	37,329085
	32,071491	37,917011
	32,734803	38,646659
5	36,203835	39,00417
	37,007893	37,276036
	37,01377	36,843987
	36,098633	39,006351
	35,483087	37,734215
	34,993498	36,304684
	34,62347	36,601149
	35,160636	37,317796
	35,366231	37,723417
	35,958916	38,655404
6	30,000000	39,000000
	31,347979	39,003656
	31,353886	37,750508
	32,037684	36,473882
	32,706245	35,532657
	33,194687	35,344109
	33,699363	35,453072
	34,993498	36,304684
	35,483087	36,843987
	36,098643	37,282365
	37,01377	37,734215
	37,012832	37,139275
	36,342245	36,795684
	35,347791	36,027164
	34,211244	35,131676
	33,761748	35,022862
	33,139007	35,027502
	32,343132	35,215216
	31,374441	35,788538
	30,00482	37,056975

ESO-zone in the Model 4 (IPE)	Latitude North, degrees	Longitude East, degrees
7	30,00482	37,056975
	31,374441	35,788538
	32,343132	35,215216
	33,139007	35,027502
	33,761748	35,022862
	34,211244	35,131676
	35,347791	36,027164
	36,342255	36,802013
	37,004949	37,139254
	37,011964	36,58864
	36,577745	36,169741
	35,804102	35,458781
	34,367854	34,467544
	33,531507	33,984263
	33,042686	33,932304
	32,207506	34,189532
	31,041683	34,724345
	30,002056	35,303803
8	37,005269	36,626782
	37,004891	36,366217
	36,698177	35,259349
	36,470308	34,420404
	36,076901	33,644173
	35,692427	33,015865
	35,038624	33,013234
	35,519184	33,775731
	35,851457	34,474251
	36,0879	35,214639
	36,237067	35,884254
	36,420439	36,096259

DSHA_senarios_database

MODEL 1			
Zone Name	Region	Mw	R
Background	Local Scenario	6,5	10 km
Z38	Adana	7	130 km
Z63	Cyprus		
Z31	Cyprus	7	120 km
Z66	Aksu	6,7	85 km
Z37	Ecemis	7,9	130 km

MODEL 2			
Zone Name	Region	Mw	R
Rll	Local Scenario I	6,5	30 km
Rll	Local Scenario II	6,4	10 km
R8	Cyprus	8	60 km

*Local Scenario I adapted from the orginal model

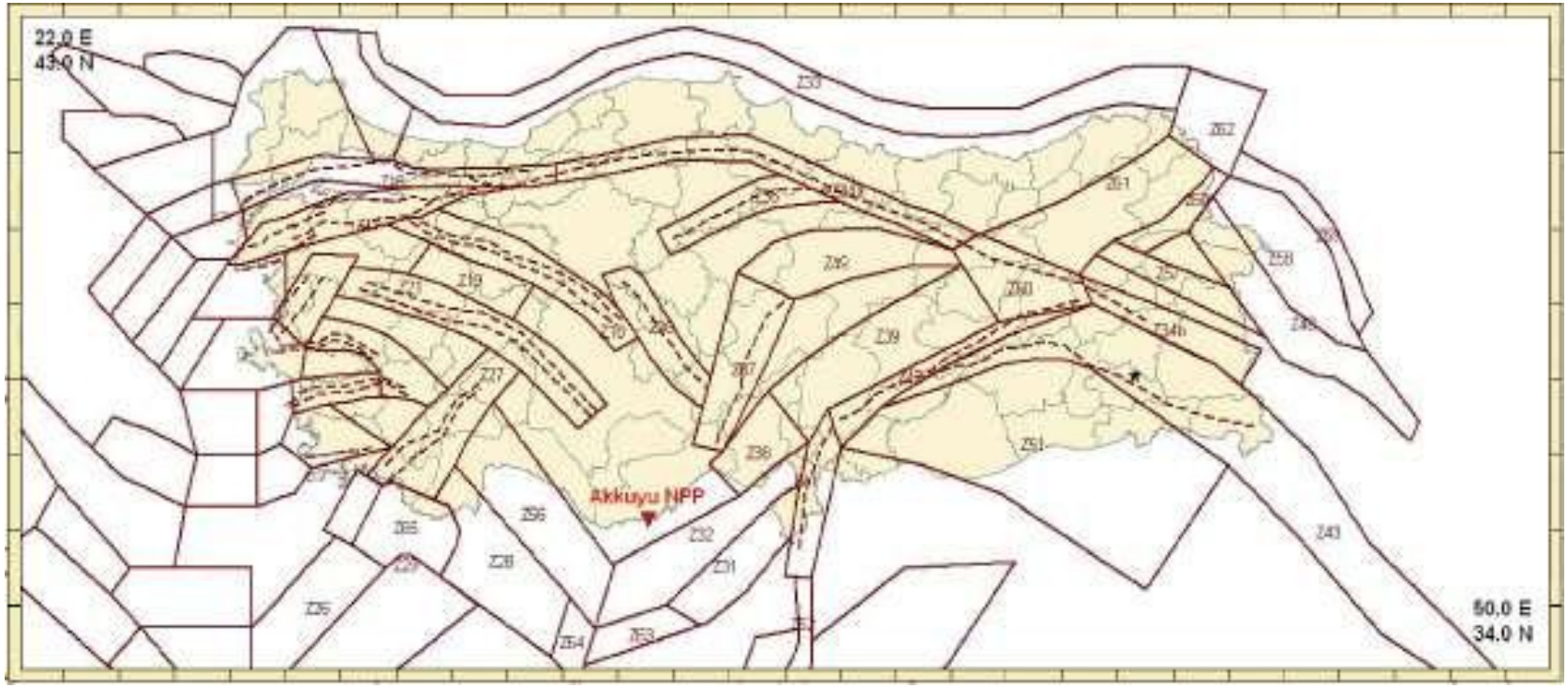
*Local scenario II obtained from *the Mmax assigned to background source*

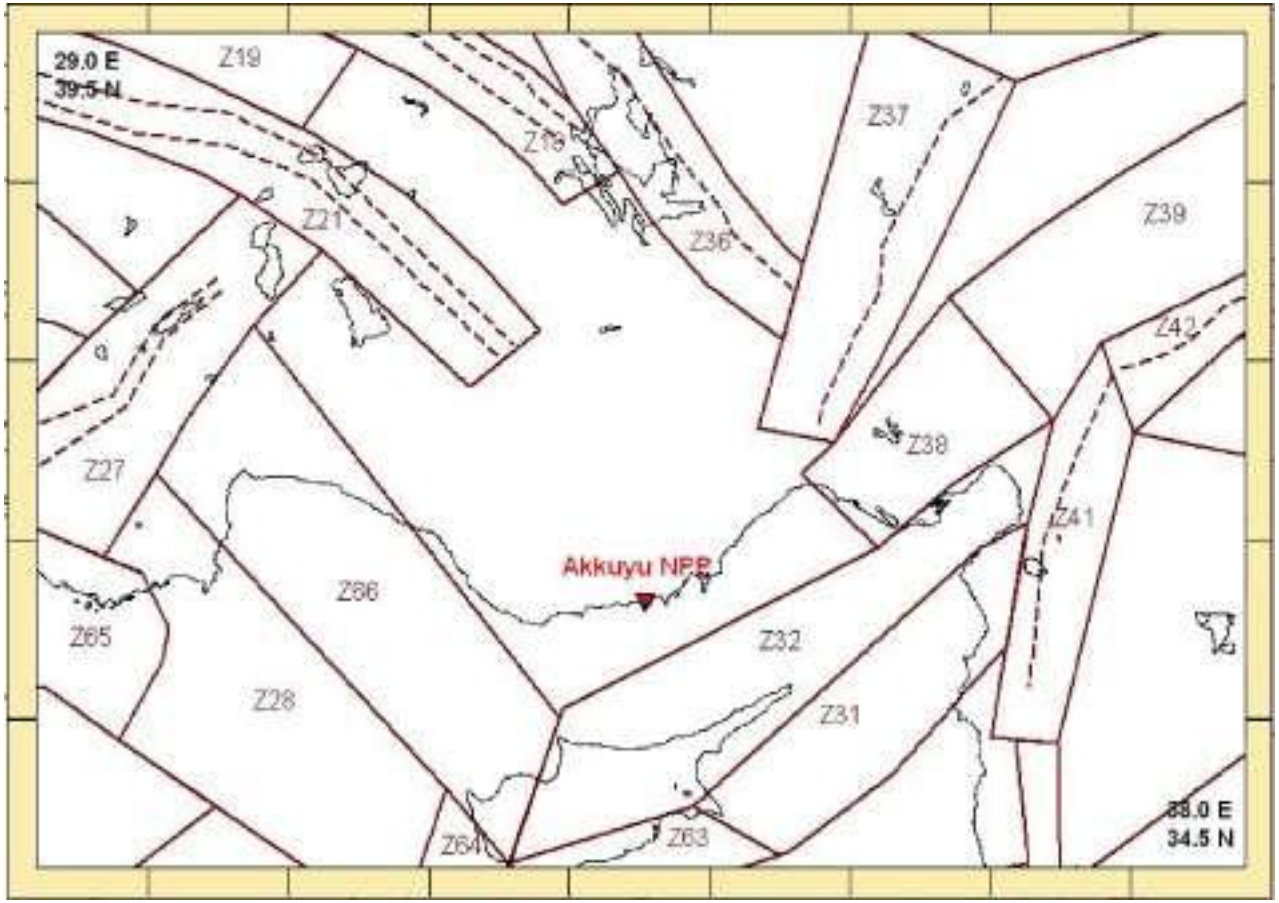
MODEL 3			
Zone Name	Region	Mw	R
Rll	Local Scenario I	6	10 km
Ecemis	Ecemis	7,5	30 km

MODEL 1 TURKEY-WIDE SOURCE ZONATION (KOERI - SHARE - EMME PROJECTS

Areal sources							
Zone	Zone Name	a	b	Mmax	Mmin	p	X(Mmin)
Z18	Eskisehir Zone	4,3	1	6,6	5	2,3026	0,1995
Z19	Kutahya Zone	3,8	1	5,8	5	2,3026	0,0631
Z21	Simav-Sultandag Zone	5,4	1Д	6,9	5	2,4985	0,9748
Z27	Fethiye-Burdur graben	7,7	1,5	6,8	5	3,4909	1,2847
Z28	Cyprean Arc-Florence Rise	4,9	1,1	7	5	2,4599	0,3726
Z31	Cyprean Arc	4,7	1	7	5	2,4025	0,3178
Z32	Cyprus Trough Mi sis Nikeryan	4,4	1	6,8	5	2,2913	0,2854
Z36	Tuz Golu Zone	2,9	0,8	6,7	5	1,8421	0,0794
Z37	Ecemis Zone	3,7	0,9	6,7	5	2,1617	0,1123
Z38	Adana Zone	4,2	0,9	7	5	2,1428	0,3455
Z39	Goksun Fault Zone	3,6	0,8	6,9	5	1,8978	0,2777
Z41	Hatay Zone	2,8	0,8	6,7	5	1,7914	0,0843
Z42	East Anatolian Fault Zone	4,5	1	6,7	5	2,2816	0,341
Z63	Cyprean Arc	6,2	1,4	7	5	3,1094	0,2941
Z64	Cyprean Arc	6,3	1,3	7	5	2,9717	0,6349
Z65	Cyprean Arc	4,6	1	7,8	5	2,2347	0,5757
Z66	Aksu thrust	5,5	1,1	6,7	5	2,5356	0,8956
ZBK1	Cyprean Arc	5Д	1	6,5	5	2,2929	1,4217

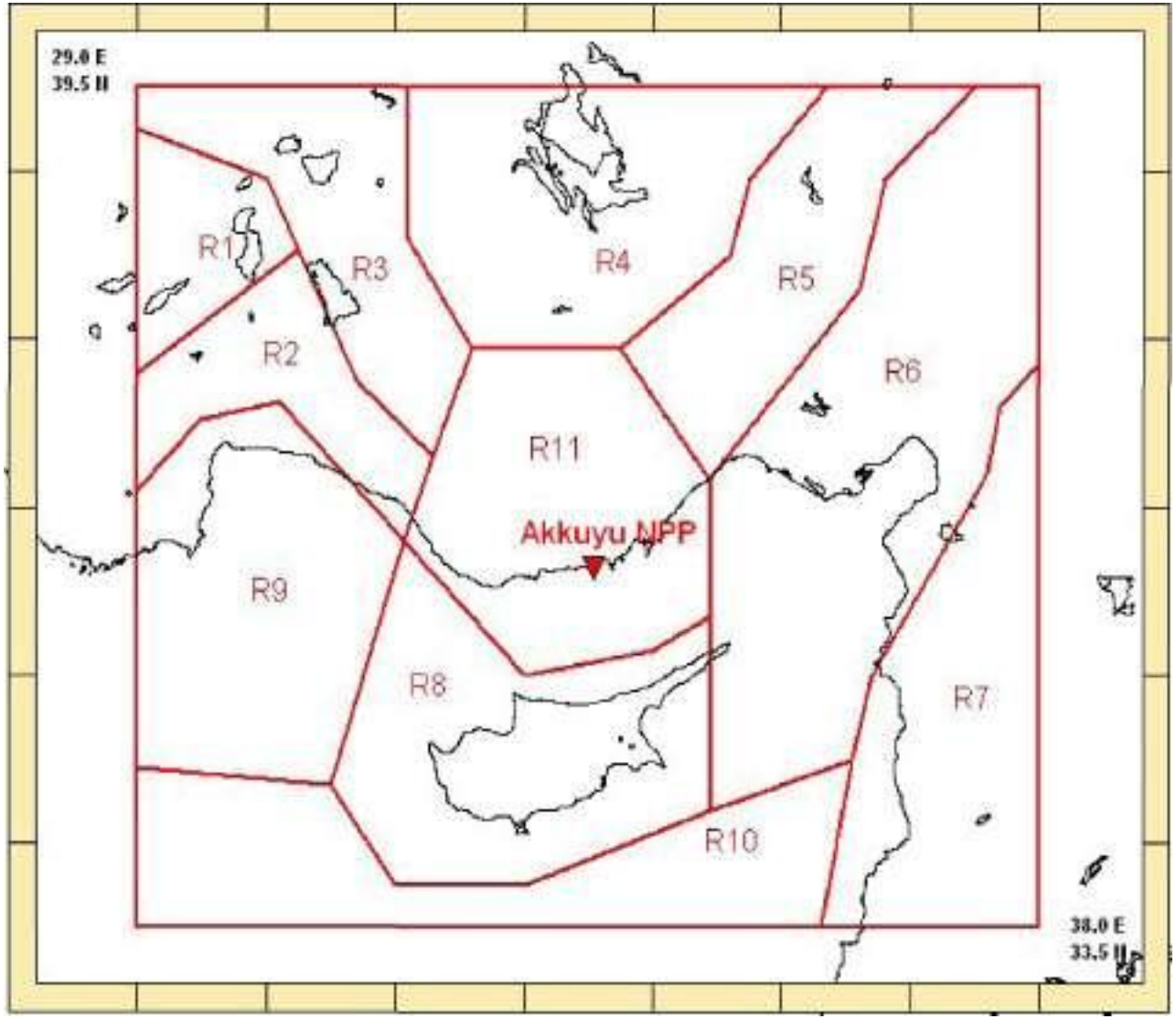
Linear sources							
Fault Source		a	b	Mmax	Mmin	p	X(Mmin)
FT181	Eskisehir Zone	3,98	1,01	7	6,7	2,3256	0,0016
FT182	Eskisehir Zone	3,98	1,01	7	6,7	2,3256	0,0016
FT211	Simav-Sultandag Zone	5,11	1,09	7,3	7	2,4985	0,0033
FT21 2	Simav-Sultandag Zone	5,11	1,09	7,3	7	2,4985	0,0033
FT27 1	Fethiye-Burdur graben	7,38	1,52	7,4	6,9	3,4909	0,0008
FT27 2	Fethiye-Burdur graben	7,4	1,52	7,4	6,9	3,4909	0,0009
FT36	Tuz Golu Zone	2,92	0,8	7,9	6,8	1,8421	0,003
FT37	Ecemis Zone	3,74	0,94	7,9	6,8	2,1617	0,0023
FT39	Goksun Fault Zone	2,69	0,75	7,5	7	1,72	0,0029
FT41	Hatay Zone	2,82	0,78	7,9	6,8	1,7914	0,0034
FT42	East Anatolian Fault Zone	4,49	0,99	7,9	6,8	2,2816	0,0056


22.0 E
43.0 N
Akkuyu NPP
50.0 E
34.0 N


29.0 E
39.5 N
Z19
Z18
Z37
Z21
Z36
Z39
Z42
Z38
Z27
Z41
Akkuyu NPP
Z66
Z65
Z32
Z28
Z31
Z64
Z63
38.0 E
34.5 N

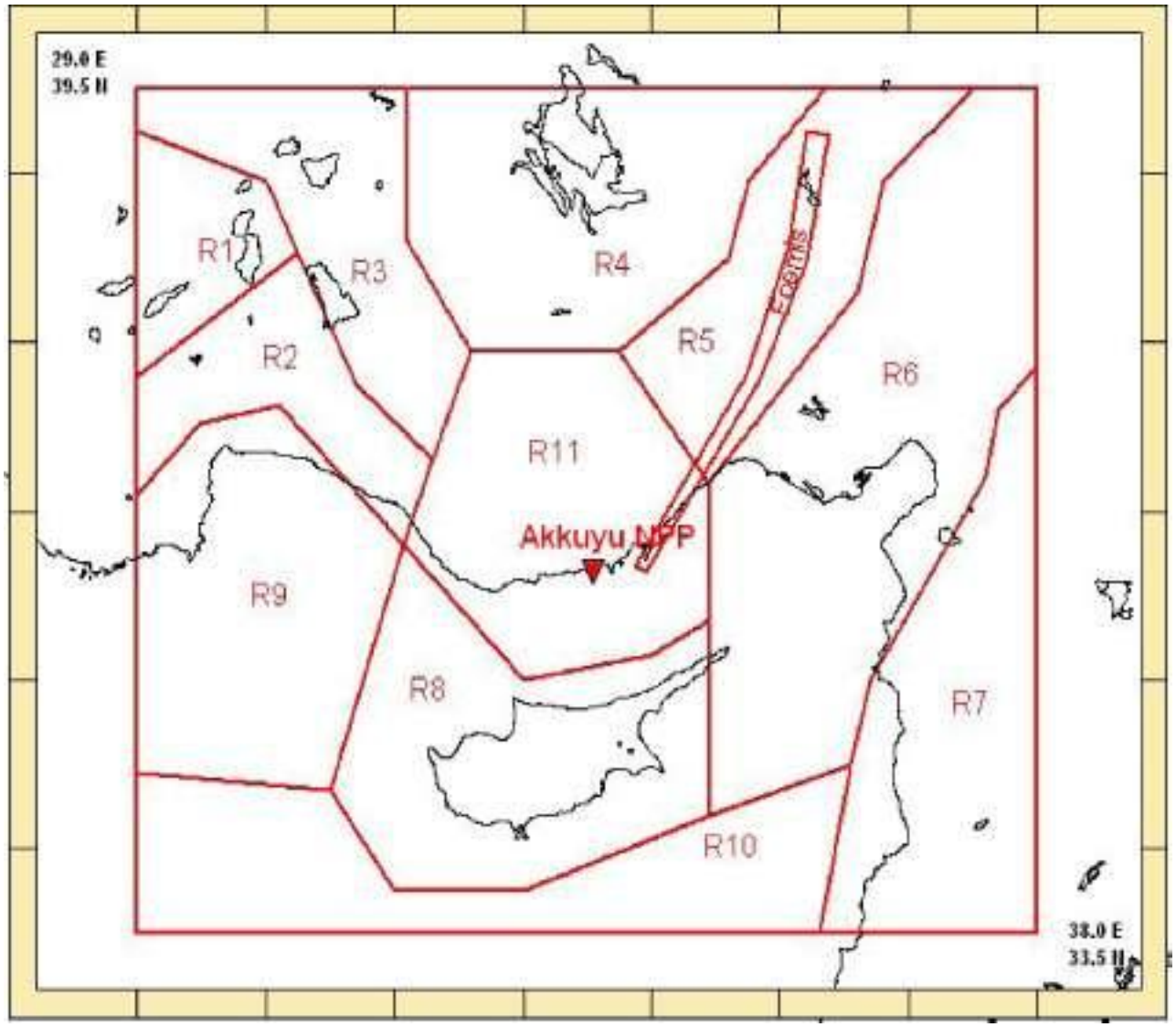
MODEL 2 - UPDATED METU - EERC SOURCE ZONATION

Source Name	a	b	Mmax	Mmin	p	X(Mmin)
Rl	5,25	1,24	7,6	3,5	2,7631	7,9305
R2	4,3	1,02	7,6	3,5	2,6019	5,2048
R3	4,95	1,07	7,4	3,5	2,8092	15,5078
R4	4,5	1Д	6,4	3,5	2,5559	4,3772
R5	5,09	1,25	7,6	3,5	3,1315	4,9848
R6	5,07	1,06	8	3,5	2,6019	22,1769
R7	4,49	1,17	8	3,5	2,8782	2,5787
R8	4,94	1,02	8	3,5	2,3026	23,4099
R9	4,7	1	7,8	3,5	2,2335	16,263
RIO	3,09	0,82	6,4	3,5	1,9572	1,6562
Rll	5,23	1,33	6,4	3,5	3,2466	3,7265


29.0 E
39.5 N
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
Akkuyu NPP
38.0 E
33.5 N

MODEL 3 - UPDATED AND MODIFIED METU - EERC SOURCE ZONATION

Source Name	a	b	Mmax	Mmin	p	X(Mmin)
Rl	5,25	1,24	7,6	3,5	2,7631	7,9305
R2	4,3	1,02	7,6	3,5	2,6019	5,2048
R3	4,95	1,07	7,4	3,5	2,8092	15,5078
R4	4,5	1Д	6,4	3,5	2,5559	4,3772
R5	5,09	1,25	7,6	3,5	3,1315	4,9848
R6	5,07	1,06	8	3,5	2,6019	22,1769
R7	4,49	1,17	8	3,5	2,8782	2,5787
R8	4,94	1,02	8	3,5	2,3026	23,4099
R9	4,7	1	7,8	3,5	2,2335	16,263
RIO	3,09	0,82	6,4	3,5	1,9572	1,6562
Rll	5,23	1,3314	6	3,5	3,2466	3,7265
Ecemis	1,84	0,6482	8	3,5	1,4925	0,3751


29.0 E
39.5 N
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
Suez
Akkuyu NPP
38.0 E
33.5 N

The logic tree structure for		**the computation of ground motion**			**amplitudes**
Source Model		GMPE	Branch No	Model Weight	Parameters
Model -1	Turkey-Wide Source Zonation (KOERI-SHARE -EMME)	BA, 2008	GM1	O3.янв	PGA Sa (T=0.2s) Sa(T=1.0s)
		CB, 2008	GM2		
		CY, 2008	GM3		
		AS, 2008	GM4		
Model -2	Updated METU- EERC (1990) Source Zonation	BA, 2008	GM5	O3.янв	PGA Sa (T=0.2s) Sa(T=1.0s)
		CB, 2008	GM6		
		CY, 2008	GM7		
		AS, 2008	GM8		
Model -3	Updated and Modified METU-EERC(1990) Source Zonation	BA, 2008	GM9	O3.янв	PGA Sa (T=0.2s) Sa(T=1.0s)
		CB, 2008	GM10		
		CY, 2008	GM11		
		AS, 2008	GM12		

The logic tree structure for the computation of intensities					
Source Model		Intensity Model	Branch No	Weight	Parameter
Model -1	Turkey-Wide Source Zonation (KOERI-SHARE-EMME)	Erdik&Eren 1983	Intl	0,1111	Intensity
		Musson 2000	Int2	0,1111	
		Sesetyan et al 2005	Int3	0,1111	
Model -2	Updated METU- EERC (1990) Source Zonation	Erdik&Eren 1983	Int4	0,1111	Intensity
		Musson 2000	Int5	0,1111	
		Sesetyan et al 2005	Int6	0,1111	
Model -3	Updated and Modified METU-EERC (1990) Source Zonation	Erdik&Eren 1983	Int7	0,1111	Intensity
		Musson 2000	Int8	0,1111	
		Sesetyan et al 2005	Int9	0,1111	

BE CAREFULL Coordinates for each model are taken from the SR3 input files				
MODEL1		**MODEL2**		**MODEL3**
ZN39		R001		R001
39.857 38.769 39.201 39.520		30.000 38.750 31.000 38.450		30.000 38.750 31.000 38.450
38.956 38.432 38.394 39.185		30.000 37.300 31.250 38.030		30.000 37.300 31.250 38.030
37.411 37.837 36.914 38.541		R002		R002
36.785 37.600 36.306 38.225		30.000 36.600 30.000 37.300		30.000 36.600 30.000 37.300
36.442 37.167 35.700 38.854		30.500 37.020 31.250 38.030		30.500 37.020 31.250 38.030
ZN28		31.100 37.130 31.700 37.250		31.100 37.130 31.700 37.250
32.128 35.102 31.784 34.310		32.070 36.300 32.300 36.800		32.070 36.300 32.300 36.800
31.643 35.508 31.038 34.702		R003		R003
31.225 35.874 30.477 35.011		30.000 38.750 30.000 39.000		30.000 38.750 30.000 39.000
30.910 36.144 29.793 35.379		31.000 38.450 32.100 39.000		31.000 38.450 32.100 39.000
30.057 36.866 29.682 36.404		31.250 38.030 32.100 38.100		31.250 38.030 32.100 38.100
ZN38		31.700 37.250 32.600 37.450		31.700 37.250 32.600 37.450
36.442 37.167 35.700 37.854		32.290 36.800 32.300 36.800		32.290 36.800 32.300 36.800
35.736 36.816 35.338 37.490		R004		R004
35.196 36.455 34.656 36.873		32.100 38.100 32.100 39.000		32.100 38.100 32.100 39.000
ZN36		32.600 37.450 33.000 39.000		32.600 37.450 33.000 39.000
34.652 38.050 34.521 37.619		33.750 37.450 33.750 39.000		33.750 37.450 33.750 39.000
34.537 38.140 33.982 37.925		34.600 38.000 34.320 39.000		34.600 38.000 34.320 39.000
34.150 38.506 33.590 38.271		34.750 38.450 34.742 39.000		34.750 38.450 34.742 39.000
33.434 39.378 33.016 38.932		35.071 38.692 35.350 39.000		35.071 38.692 35.350 39.000
33.212 39.507 32.710 39.385		R005		R005
ZN41		35.350 39.000 36.500 39.000		35.350 39.000 36.500 39.000
37.020 37.100 36.785 37.600		34.750 38.450 35.800 38.450		34.750 38.450 35.800 38.450
36.910 36.748 36.442 37.167		34.600 38.000 35.600 37.800		34.600 38.000 35.600 37.800
36.783 36.309 36.237 36.485		33.750 37.450 34.420 36.700		33.750 37.450 34.420 36.700
36.656 35.939 36.165 36.148		R006		R006
36.472 35.363 36.004 35.393		36.500 39.000 37.000 39.000		36.500 39.000 37.000 39.000
ZN37		35.800 38.450 37.000 37.350		35.800 38.450 37.000 37.350
36.175 39.066 35.147 39.422		35.600 37.800 36.700 37.100		35.600 37.800 36.700 37.100
35.427 37.834 34.709 38.153		34.450 36.700 36.600 36.700		34.450 36.700 36.600 36.700
35.187 37.465 34.521 37.619		34.450 35.850 35.700 35.500		34.450 35.850 35.700 35.500
34.887 37.048 34.350 37.127		34.450 34.700 35.550 35.000		34.450 34.700 35.550 35.000
ZN31		R007		00 1.0 1 R007
36.117 35.905 36.268 36.596		36.700 37.100 37.000 37.350		36.700 37.100 37.000 37.350
35.936 35.750 35.925 36.451		36.600 36.700 37.000 36.000		36.600 36.700 37.000 36.000
35.798 35.641 35.463 36.123		35.700 35.500 37.000 35.000		35.700 35.500 37.000 35.000
35.292 35.183 34.833 35.674		35.550 35.000 37.000 34.500		35.550 35.000 37.000 34.500
34.500 34.736 33.882 35.011		35.300 34.000 37.000 34.000		35.300 34.000 37.000 34.000
ZN32		R008		R008
36.268 36.596 36.442 37.167		31.500 34.850 32.070 36.300		31.500 34.850 32.070 36.300
35.925 36.451 35.736 36.816		32.000 34.250 33.000 35.500		32.000 34.250 33.000 35.500
35.463 36.123 35.196 36.455		33.000 34.250 34.000 35.650		33.000 34.250 34.000 35.650
34.833 35.674 34.439 36.139		34.450 34.700 34.450 35.850		34.450 34.700 34.450 35.850
33.882 35.011 33.809 35.895		R009		R009
33.246 34.856 33.337 35.703		30.000 36.600 30.500 37.020		30.000 36.600 30.500 37.020
32.573 34.692 32.931 35.505		30.000 34.950 31.100 37.130		30.000 34.950 31.100 37.130
ZN64		31.500 34.850 32.070 36.300		31.500 34.850 32.070 36.300
32.573 34.692 32.288 33.905		R010		R010

MODEL1	MODEL2	MODEL3
32.128 35.102 31.784 34.310	30.000 34.000 30.000 34.950	30.000 34.000 30.000 34.950
ZN66	31.000 34.000 31.500 34.850	31.000 34.000 31.500 34.850
32.931 35.505 32.573 34.692	32.000 34.000 32.000 34.250	32.000 34.000 32.000 34.250
32.524 35.925 32.128 35.102	33.000 34.000 33.000 34.250	33.000 34.000 33.000 34.250
32.099 36.356 31.492 35.646	34.000 34.000 34.450 34.700	34.000 34.000 34.450 34.700
31.632 36.817 30.910 36.144	35.300 34.000 35.550 35.000	35.300 34.000 35.550 35.000
31.128 37.326 30.460 36.519	R011	R011
30.757 37.702 30.057 36.866	32.600 37.450 33.750 37.450	32.600 37.450 33.750 37.450
ZN63	32.300 36.800 34.439 36.671	32.300 36.800 34.439 36.671
33.882 35.011 34.500 34.736	32.070 36.300 34.450 35.850	32.070 36.300 34.450 35.850
33.246 34.856 33.374 34.450	33.000 35.500 34.000 35.650	33.000 35.500 34.000 35.650
32.573 34.692 32.417 34.210		Ecem
ZN18		35.206 38.750 35.373 38.726
28.774 40.090 29.130 40.139		35.068 38.069 35.210 37.983
29.148 39.967 29.450 40.166		34.740 37.314 34.836 37.278
29.474 39.860 29.745 40.259		33.873 36.175 33.954 36.145
29.942 39.715 30.359 40.100		
30.372 39.581 30.911 39.970		
30.988 39.421 31.322 39.830		
31.540 39.231 31.950 39.531		
31.933 39.076 32.340 39.335		
32.400 38.822 32.746 39.132		
32.695 38.603 33.016 38.932		
32.951 38.373 33.346 38.560		
ZN19		
29.307 39.481 29.589 39.760		
29.949 39.271 30.103 39.621		
30.526 39.062 30.796 39.401		
30.889 38.933 31.245 39.271		
31.104 38.822 31.463 39.192		
ZN21		
27.910 39.118 28.210 39.494		
28.374 39.053 28.746 39.462		
29.054 38.900 29.067 39.431		
29.570 38.783 29.374 39.370		
30.042 38.655 29.798 39.268		
30.654 38.427 30.632 38.982		
31.241 38.123 31.184 38.767		
31.579 37.878 31.851 38.428		
31.761 37.745 32.416 38.011		
32.287 37.357 32.788 37.674		
ZBK4		
30.00 37.00 30.00 33.00		
41.00 37.00 41.00 33.00		
FT18		
1 2		
29.26 40.10 29.45 40.00 29.65 39.91 29.93 39.86		
30.67 39.72 30.83 39.68 31.23 39.53 31.92 39.31		
32.10 39.21 32.24 39.12 32.42 39.02 32.96 38.72		
2 2		
29.41 40.12 29.53 40.07 29.70 40.01 30.00 39.91		

MODEL1	MODEL2	MODEL3
30.70 39.83 30.87 39.74 31.18 39.63 31.82 39.46		
32.15 39.33 32.43 39.19 32.64 39.10 33.06 38.79		
FT21		
5 1 2		
28.34 39.21 29.91 38.78 30.54 38.71 31.17 38.52		
32.49 37.53		
5 2 2		
28.46 39.28 29.93 38.95 30.57 38.89 31.28 38.6		
32.59 37.59		
FT37		
34.78 37.15 34.81 37.27 35.21 37.89		
35.22 38.15 35.68 38.85 36.07 39.08		
FT36		
33.08 39.31 33.37 39.09 33.75 38.67		
34.08 38.35 34.16 38.21 34.60 37.89		
FT41		
36.27 35.68 36.43 36.61		
36.64 37.03 36.87 37.41		