

پیوست

پیوست (الف) - ادامه جدول ۱. مروری بر زمین‌لرزه‌های مطالعه‌شده در ایران، AFAD و PEER و ویژگی‌های آنها.

No	Earthquake Name	Date	Event Time	Latitude	Longitude	M _w	Depth	Reference
1	"Imperial Valley-03"	1951-01-24	7:17:07	33.09	-115.92	5.6	15	PEER
2	"Imperial Valley-04"	1953-06-14	4:17:29	32.78	-115.81	5.5	16	PEER
3	"Central Calif-01"	1954-04-25	20:33:26	36.8	-121.5	5.3	-	PEER
4	"Imperial Valley-05"	1955-12-17	6:07:31	32.78	-115.56	5.4	15	PEER
5	"San Francisco"	1957-03-22	19:44:22	37.55	-122.72	5.3	15	PEER
6	"Central Calif-02"	1960-01-20	3:25:49	36.56	-121.71	5	-	PEER
7	"Hollister-01"	1961-04-09	7:23:21	36.73	-121.22	5.6	12	PEER
8	"Hollister-02"	1961-04-09	7:25:42	37	-120.7	5.5	-	PEER
9	"Northern Calif-05"	1967-12-10	12:06:54	40.51	-124.66	5.6	17.7	PEER
10	"Lytle Creek"	1970-09-12	14:30:52	34.12	-117.59	5.3	4	PEER
11	"Managua_Nicaragua-02"	1972-12-23	6:29:44	12.24	-86.21	5.2	10	PEER
12	"Point Mugu"	1973-02-21	14:45:57	34.05	-119.07	5.7	9	PEER
13	"Hollister-03"	1974-11-28	23:01:25	36.82	-121.62	5.1	9.8	PEER
14	"Northern Calif-07"	1975-06-07	8:46:24	40.5	-124.17	5.2	22.7	PEER
15	"Friuli_Italy-03"	1976-09-11	16:31:14	46.17	13.27	5.5	22.3	PEER
16	"Friuli_Italy-02"	1976-09-15	3:15:26	46.19	13.23	5.9	15	PEER
17	-	1977-12-09	15:53	38.3512	27.2254	5.1	26.9	ISC
18	-	1977-12-16	7:37	38.414	27.1882	5.6	24.2	ISC
19	"Santa Barbara"	1978-08-13	22:54:57	33.74	-120.08	5.9	10.1	PEER
20	"Coyote Lake"	1979-08-06	17:05:24	37.06	-121.6	5.7	12.4	PEER
21	"Imperial Valley-08"	1979-10-16	6:58:45	32.81	-115.6	5.6	14	PEER
22	"Imperial Valley-07"	1979-10-16	6:19:54	32.75	-115.8	5	12	PEER
23	"Livermore-01"	1980-01-24	19:00:11	37.7	-121.88	5.8	14.3	PEER
24	"Livermore-02"	1980-01-27	2:33:37	37.72	-121.76	5.4	18.2	PEER
25	"Anza (Horse Canyon)-01"	1980-02-25	10:47:40	33.52	-116.64	5.2	12	PEER
26	"Mammoth Lakes-03"	1980-05-25	16:49:28	37.49	-119.04	5.9	3.3	PEER
27	"Mammoth Lakes-04"	1980-05-25	19:44:53	37.41	-118.84	5.7	4.9	PEER
28	"Mammoth Lakes-02"	1980-05-25	16:33:47	37.53	-118.9	5.7	6	PEER
29	"Mammoth Lakes-05"	1980-05-26	18:57:56	37.47	-118.86	5.7	5	PEER
30	"Mammoth Lakes-06"	1980-05-27	14:50:59	37.4	-118.77	5.9	7.4	PEER
31	"Taiwan SMART1(5)"	1981-01-29	4:51:36	24.5	121.95	5.9	28.2	PEER
32	"Westmorland"	1981-04-26	12:09:31	33	-115.74	5.9	8.2	PEER

33	"Mammoth Lakes-10"	1983-01-07	1:38:12	37.52	-118.99	5.3	4.1	PEER
34	"Mammoth Lakes-11"	1983-01-07	3:24:22	37.56	-119.08	5.3	13	PEER
35	"Coalinga-02"	1983-05-09	2:49:12	36.21	-120.31	5.1	16.8	PEER
36	"Coalinga-03"	1983-06-11	3:09:54	36.23	-120.47	5.4	4.3	PEER
37	"Coalinga-04"	1983-07-09	7:40:52	36.22	-120.41	5.2	14	PEER
38	Bandar-Abbas	1983-07-12	11:34:19AM	27.61	56.42	5.9	42	USGS
39	"Coalinga-05"	1983-07-22	2:39:56	36.22	-120.33	5.8	14.5	PEER
40	"Coalinga-07"	1983-07-25	22:31:41	36.14	-120.41	5.2	16.3	PEER
41	"Coalinga-08"	1983-09-09	9:16:15	36.17	-120.29	5.2	14	PEER
42	"Bishop (Rnd Val)"	1984-11-23	18:08:27	37.44	-118.54	5.8	5.6	PEER
43	-	1985-12-06	22:35	36.971	28.8523	5.1	8.9	ISC
44	"Hollister-04"	1986-01-26	19:20:53	36.77	-121.31	5.5	10.8	PEER
45	"Mt. Lewis"	1986-03-31	11:55:41	37.51	-121.61	5.6	8	PEER
46	-	1986-06-06	10:39	38.0098	37.9055	5.8	10.6	ISC
47	"Chalfant Valley-01"	1986-07-20	14:29:48	37.49	-118.44	5.8	5.1	PEER
48	"Chalfant Valley-03"	1986-07-21	14:29:48	37.49	-118.44	5.7	5.1	PEER
49	"Chalfant Valley-04"	1986-07-31	7:22:41	37.41	-118.37	5.4	2.2	PEER
50	"San Salvador"	1986-10-10	17:49:25	13.78	-89.22	5.8	5.6	PEER
51	"Baja California"	1987-02-07	3:45:15	32.35	-115.3	5.5	1.9	PEER
52	"Whittier Narrows-01"	1987-10-01	14:42:20	33.97	-118.13	6	17.7	PEER
53	"Whittier Narrows-02"	1987-10-04	2:47:27	15.49	-93.42	5.3	96	PEER
54	"Upland"	1990-02-28	16:10:24	8.91	126.61	5.6	60	PEER
55	"Sierra Madre"	1991-06-28	14:43:55	34.19	-118.08	5.6	11.6	PEER
56	"Northridge-04"	1994-01-17	23:33:30	34.22	-118.83	5.9	7.4	PEER
57	"Northridge-03"	1994-01-17	20:46:02	34.17	-118.73	5.2	13	PEER
58	"Northridge-05"	1994-01-18	0:43:08	34.28	-118.8	5.1	12.6	PEER
59	"Northridge-06"	1994-03-20	21:20:11	34.09	-118.63	5.3	12.2	PEER
60	EGE DENIZI	1994-05-24	2:18	38.7162	26.5892	5.4	10	ISC
61	Zanjiran	1994-06-20	09:09:02AM	28.96	52.61	5.8	9	USGS
62	"Double Springs"	1994-09-12	6:29:56	-31.22	-71.71	5.9	44.7	PEER
63	-	1994-11-13	7:58	37.0328	28.9388	5.1	10	ISC
64	ÇIVRIL	1995-09-26	15:18	38.0678	30.1473	5.1	5.1	ISC
65	KIZILÖREN	1995-09-27	14:15	38.0685	30.1989	5	11.3	ISC
66	ÇIVRIL	1995-10-01	18:02	38.046	30.1606	5.3	28.4	ISC
67	DINAR	1995-10-05	16:15	38.0002	30.1438	5	11.8	ISC

68	MERZIFON	1996-08-14	1:55	40.7461	35.2965	5.7	11.9	ISC
69	Hashtbandi, Hormozgan	1996-10-18	9:26:03AM	27.69	57.5	5.3	10	USGS
70	Raz, North Khorasan	1997-02-04	9:53:55AM	37.58	57.39	5.4	10	IGUT
71	Nir, Ardebil	1997-03-02	6:29:42PM	38.05	47.89	5	19	IGUT
72	Nir, Ardebil	1997-03-21	11:00:39PM	38.11	47.9	5.5	12	IGUT
73	"Northwest China-01"	1997-04-05	23:46:19	39.54	76.82	5.9	22.9	PEER
74	Qaen	1997-06-25	7:38:40PM	33.99	59.48	5.7	10	IGUT
75	Golbaf, kerman	1998-04-16	7:47:10AM	30.13	57.58	5.3	33	IGUT
76	Anbaran, Ardebil	1998-07-09	2:19:18PM	38.83	48.61	5.9	17	IGUT
77	"San Juan Bautista"	1998-08-12	14:10:25	36.72	-121.52	5.2	7.8	PEER
78	Serkan, Hamedan	1998-08-21	5:13:13AM	34.3	48.51	5.1	33	IGUT
79	Soltanieh, Zanjan	1998-09-28	5:26:30PM	36.56	48.74	5.2	10	IGUT
80	Emadadeh, Fars	1998-11-13	1:01:10PM	27.81	53.53	5.2	20	IGUT
81	Sirch	1998-11-18	7:39:23AM	30.49	57.51	5.5	20	IGUT
82	Tasuj, East Azarbaijan	1998-11-23	11:11:38AM	38.39	45.32	5	19	IGUT
83	Khanehzeniyani, Fars	1999-05-06	11:13:25PM	29.53	51.9	5.3	10	IGUT
84	Baladeh, Fars	1999-06-05	6:01:34PM	29.48	52.21	5	10	IGUT
85	Baladeh, Fars	1999-06-11	3:05:25AM	29.37	52.04	5.3	12	IGUT
86	IZMIT	1999-09-13	11:55	40.75	30.079	5.8	10.4	ISC
87	"Chi-Chi_ Taiwan-02"	1999-09-20	18:11:54	23.84	121.14	5.9	26.3	PEER
88	Kaki, Bushehr	1999-09-27	2:31:25AM	28.79	51.43	5.2	30	IGUT
89	ÇINARCIK	1999-09-29	0:13	40.738	29.331	5.2	12.2	ISC
90	-	1999-11-12	17:18	40.752	31.084	5.5	27.8	ISC
91	-	1999-11-12	17:29	40.703	31.467	5.3	11	ISC
92	YIĞILCA	1999-11-12	17:26	40.735	31.508	5.2	9.7	ISC
93	Incheh boron, Golestan	1999-11-19	4:40:24AM	37.44	54.17	5.4	10	IGUT
94	Sankhast, North Khorasan	1999-11-26	4:27:24AM	36.76	54.84	5.2	21	IGUT
95	Nasr abad, Khorasan Razavi	1999-12-05	1:12:36PM	35.82	61.22	5	32	IGUT
96	Shahrabad, Khorasan Razavi	2000-02-02	10:58:01PM	35.33	58.26	5.3	10	IGUT
97	Fareghan, Hormozgan	2000-03-05	9:40:06AM	27.92	56.66	5.4	10	IGUT
98	Gorgan	2000-08-16	12:53:02PM	36.6	54.35	5	5	IGUT
99	Bäherden, Turkmenistan	2000-08-22	4:55:13PM	38.12	57.38	5.4	10	IGUT
100	HENDEK	2000-08-23	13:41	40.782	30.76	5.3	10.5	ISC
101	"Yountville"	2000-09-03	8:36:30	38.35	-122.4	5	7.3	PEER
102	Pehleh, Ilam	2001-03-23	5:24:11AM	32.95	46.6	5.5	15	IGUT

103	YIGILCA	2001-08-26	0:41	40.958	31.544	5.2	8.8	ISC
104	Abdan	2002-02-17	1:03:52PM	28.09	51.7	5.4	20	IGUT
105	Kermanshah	2002-04-24	7:48:07PM	34.65	47.47	5.3	20	IGUT
106	Konar takhteh, Fars	2003-01-11	5:45:30PM	29.65	51.7	5.2	20	IGUT
107	Orzueeyeh, kerman	2003-02-14	10:28:58AM	28.05	56.8	5	22	IGUT
108	URLA	2003-04-10	0:40	38.2466	26.8895	5.7	11.3	ISC
109	Saleh abad, Khorasan	2003-07-03	2:59:32PM	35.4	60.8	5.1	10	IGUT
110	Shahr pir, Fars	2003-07-10	5:06:37PM	28.17	54.1	5.8	10	IGUT
111	Khoy, West Azarbaijan	2003-08-11	8:12:08PM	38.89	44.94	5.3	13	IGUT
112	Juyom, Fars	2003-11-28	11:19:46PM	28.44	54.14	5	10	IGUT
113	Haftgel, Khuzestan	2004-01-06	6:31:11AM	32.01	49.64	5.1	10	IGUT
114	Urumiah	2004-01-24	4:40:47AM	38.07	44.9	5	10	IGUT
115	Ahram, Bushehr	2004-03-02	7:51:47AM	29.01	51.32	5.4	12	IGUT
116	Marzan abad, Mazandaran	2004-05-29	9:23:47AM	36.37	51.29	5.3	13	IGUT
117	"14095628"	2004-09-29	2:00:56	-58.66	-25.51	5	39.7	PEER
118	Hojedk, kerman	2005-05-01	6:58:42PM	30.78	56.94	5	20	IGUT
119	Khanook, kerman	2005-05-14	6:04:54PM	30.79	56.94	5.1	11	IGUT
120	Mianeh, East Azarbaijan	2005-09-26	6:57:04PM	37.34	47.82	5.1	4	IGUT
121	Laft, Hormozgan	2005-11-27	10:22:23AM	26.78	55.9	5.7	10	IGUT
122	"14151344"	2005-12-16	10:24:57	12.18	-89.59	5.2	32.7	PEER
123	Lali, Khuzestan	2005-12-26	11:15:51PM	32.35	49.36	5.2	9	IGUT
124	Faryab, kerman	2006-02-28	7:31:03AM	28.26	56.91	5.7	16	IGUT
125	Fin, Hormozgan	2006-03-25	7:28:54AM	27.57	55.69	5.5	8	IGUT
126	Zagheh, Lorestan	2006-03-30	7:36:16PM	33.69	48.95	5.2	24	IGUT
127	Zagheh, Lorestan	2006-03-31	1:17:02AM	33.69	49	5.9	16	IGUT
128	Chalancholan, Lorestan	2006-03-31	11:54:04AM	33.79	48.8	5	18	IGUT
129	Zagheh, Lorestan	2006-04-12	11:47:41AM	33.79	48.9	5.3	18	IGUT
130	Dargahan, Hormozgan	2006-06-03	7:15:35AM	26.97	55.92	5.4	18	IGUT
131	Laft, Hormozgan	2006-06-28	9:02:09PM	27.02	55.83	5.7	9	IGUT
132	Rask, Sistan va Baluchestan	2006-07-18	11:27:05PM	26.14	61.26	5.4	10	IGUT
133	Borazjan, Bushehr	2006-09-14	2:25:32AM	29.3	51.51	5.2	5	IGUT
134	Kolor, Ardabil	2006-11-05	8:06:40PM	37.48	48.83	5	5	IGUT
135	SERVICE	2007-02-09	2:22	38.4242	39.1088	5.5	8.4	ISC
136	Fareghan, Hormozgan	2007-04-25	4:19:00AM	28.35	56.37	5.2	22	IGUT
137	Roos bar, Gilan	2007-05-11	2:50:09PM	36.76	49.27	5.1	5	IGUT

138	Haftoni, Azerbaijan	2007-07-11	6:51:12AM	38.71	48.66	5.3	10	IGUT
139	BINGOL	2007-08-27	22:05	39.2882	41.0334	5.3	15.8	GDDA
140	DENIZLI	2007-10-29	9:23	37.069	29.3165	5.3	28.9	GDDA
141	ANKARA	2007-12-27	13:47	39.4594	33.0822	5.2	10.8	ISC
142	Arian shahr, South Khorasan	2008-03-09	3:51:01AM	33.36	59.35	5.1	4	IGUT
143	Shahr pir, Fars	2008-05-05	9:57:55PM	28.34	54.18	5.3	35	IGUT
144	Zanjan	2008-05-27	6:18:08AM	36.58	48.75	5	23	IGUT
145	Kadkan, Khorasan Razavi	2008-07-03	11:10:06PM	35.65	58.56	5.2	4	IGUT
146	"14383980"	2008-07-29	18:42:15	33.9	-117.82	5.4	15.7	PEER
147	Mosian, Ilam	2008-08-27	9:52:38PM	32.3	47.42	5.8	21	IGUT
148	Bandar laft, Hormozgan	2008-09-11	2:16:09AM	26.96	55.93	5.1	10	IGUT
149	Gheshm Island, Hormozgan	2008-09-17	5:43:52PM	26.99	56.15	5.2	25	IGUT
150	Dargahan, Hormozgan	2008-12-07	1:36:21PM	27	55.9	5.4	11	IGUT
151	Bandar laft, Hormozgan	2008-12-08	2:41:43PM	27.06	55.95	5.1	6	IGUT
152	Masjed soleiman	2009-10-04	9:50:50PM	31.94	49.42	5.1	3	IGUT
153	Hoseinih, Khuzestan	2010-02-23	10:25:54AM	32.57	48.38	5.4	6	IGUT
154	ELAZIG	2010-03-08	2:32	38.7752	40.0295	5.8	5	AADY
155	Konar takhteh, Fars	2010-05-14	6:49:56PM	29.42	51.65	5.1	5	IGUT
156	Ahl, Fars	2010-07-20	7:38:10PM	27.16	53.92	5.9	10	IGUT
157	Torbat heidarye	2010-07-30	1:50:14PM	35.28	59.26	5.9	7	IGUT
158	Negar, kerman	2010-07-31	6:52:59AM	29.6	56.79	5.7	4	IGUT
159	ELAZIG	2010-08-03	7:47	38.7355	40.009	5.6	5	AADY
160	Torud, Semnan	2010-08-27	7:23:48PM	35.45	54.4	5.6	7	IGUT
161	Kazeroon	2010-09-27	11:22:46AM	29.78	51.76	5.8	26	IGUT
162	Noorabad, Fars	2011-01-05	5:55:47AM	30.16	51.7	5.4	16	IGUT
163	Noorabad, Fars	2011-01-07	11:52:59PM	30.17	51.74	5	18	IGUT
164	Noorabad, Fars	2011-01-08	12:24:24AM	30.23	51.68	5.2	10	IGUT
165	Basht, Kohgiluyeh va Boyer-Ahmad	2011-03-05	11:24:41AM	30	51.19	5.2	6	IGUT
166	SIMAV	2011-05-19	20:15	39.1328	29.082	5.7	24.46	AFAD
167	Kahnooj, kerman	2011-06-15	1:05:30AM	27.8	57.79	5.6	34	IGUT
168	SIMAV	2011-06-27	21:13	39.1108	29.026	5	18.27	AFAD
169	Joghatai, Khorasan Razavi	2011-07-26	4:04:12AM	36.61	56.76	5.2	10	IGUT
170	-/-Türkiye	2011-11-09	19:23	38.4472	43.2638	5.6	6.09	AFAD
171	-/-Türkiye	2011-11-30	0:47	38.4742	43.2942	5	14.76	AFAD
172	Neishaboor	2012-01-19	12:35:51PM	36.34	58.92	5.2	12	IGUT

173	Ravar, kerman	2012-02-27	6:48:55PM	31.47	56.75	5	10	IGUT
174	BULANIK	2012-03-26	10:35	39.234	42.276	5	17	AFAD
175	Murmuri, Ilam	2012-05-03	10:09:37AM	32.88	47.72	5.5	10	IGUT
176	SIMAV	2012-05-03	15:20	39.1292	29.1022	5.4	10.9	AFAD
177	-/-	2012-06-07	20:54	40.8628	27.9043	5.1	26.96	AFAD
178	SILOPI	2012-06-14	5:52	37.1572	42.4437	5.5	11.68	AFAD
179	Ghasem abad, Khorasan Razavi	2012-07-01	10:01:26PM	34.5	59.95	5.2	28	IGUT
180	Gandoman, Charmahal va Bakhtiari	2012-07-01	2:49:46AM	31.76	51.02	5.1	6	IGUT
181	ANDIRIN	2012-07-22	9:26	37.574	36.3707	5	4.56	AFAD
182	Varzaghan, East Azarbajjan	2012-08-11	10:24:02PM	38.47	46.76	5.1	4	IGUT
183	Varzaghan, East Azarbajjan	2012-08-14	2:02:25PM	38.38	46.76	5.5	7	IGUT
184	Varzaghan, East Azarbajjan	2012-08-15	5:49:04PM	38.35	46.61	5.3	4	IGUT
185	Varzaghan, East Azarbajjan	2012-11-07	6:26:31AM	38.45	46.52	5.3	10	IGUT
186	Zahan, South Khorasan	2012-12-05	5:08:11PM	33.44	59.56	5.4	8	IGUT
187	Khoy, West Azarbajjan	2012-12-23	6:38:57AM	38.49	44.84	5.1	12	IGUT
188	Boldaji, Charmahal va Bakhtiari	2013-01-12	3:25:06AM	31.89	50.98	5	5	IGUT
189	Sirch, kerman	2013-01-21	7:48:57PM	30.28	57.43	5.6	10	IGUT
190	Boldaji, Charmahal va Bakhtiari	2013-01-25	12:11:21PM	31.95	50.98	5.2	5	IGUT
191	Kaki, Bushehr	2013-04-09	12:05:40PM	28.46	51.66	5.1	11	IGUT
192	Kaki, Bushehr	2013-04-09	12:47:47PM	28.42	51.66	5	15	IGUT
193	Kaki, Bushehr	2013-04-10	7:59:59AM	28.38	51.78	5.7	20	IGUT
194	Kaki, Bushehr	2013-04-10	1:58:27AM	28.35	51.74	5.5	20	IGUT
195	Saravan, Sistan va Baluchestan	2013-04-17	3:15:54AM	28.23	62.48	5.8	85	IGUT
196	Shonbeh, Bushehr	2013-05-01	6:31:04PM	28.29	51.75	5	20	IGUT
197	Shonbeh, Bushehr	2013-05-06	2:28:04AM	28.5	51.78	5	20	IGUT
198	-/-Türkiye	2013-07-30	5:33	40.3028	25.7902	5.3	20.01	AFAD
199	Shonbeh, Bushehr	2013-08-10	5:20:48PM	28.51	51.79	5.1	14	IGUT
200	Khanaqin, Iraq	2013-11-22	6:30:59PM	34.29	45.53	5.7	10	IGUT
201	Khanaqin, Iraq	2013-11-22	6:51:24AM	34.5	45.45	5.6	10	IGUT
202	Khanaqin, Iraq	2013-11-23	11:26:21PM	34.26	45.51	5.1	10	IGUT
203	Khanaqin, Iraq	2013-11-24	6:05:43PM	34.24	45.57	5.5	14	IGUT
204	Borazjan, Bushehr	2013-11-28	1:51:34PM	29.35	51.36	5.7	8	IGUT
205	Shonbeh, Bushehr	2014-04-16	11:31:40PM	28.53	51.67	5	15	IGUT
206	Bandare reig, Bushehr	2014-05-21	9:46:28AM	29.71	50.97	5.3	19	IGUT
207	Murmuri, Ilam	2014-08-	6:08:23PM	32.53	47.79	5.9	13	IGUT

		18						
208	Murmuri, Ilam	2014-08-18	11:51:35AM	32.74	47.62	5.8	7	IGUT
209	Murmuri, Ilam	2014-08-18	5:25:51AM	32.72	47.7	5.8	12	IGUT
210	Murmuri, Ilam	2014-08-19	9:32:16PM	32.76	47.54	5.4	8	IGUT
211	Murmuri, Ilam	2014-08-20	10:14:15AM	32.62	47.86	5.9	8	IGUT
212	Murmuri, Ilam	2014-08-20	10:14:16AM	32.7	47.82	5.8	8	IGUT
213	Murmuri, Ilam	2014-08-23	8:05:18PM	32.74	47.9	5.5	12	IGUT
214	Murmuri, Ilam	2014-10-15	1:35:53PM	32.55	47.93	5.6	10	IGUT
215	Faryab, kerman	2014-10-24	12:38:56PM	27.81	57.45	5	24	IGUT
216	Fareghan, Hormozgan	2014-11-10	1:52:38PM	27.95	55.93	5.1	8	IGUT
217	Behbahan, Khuzestan	2014-12-12	8:45:40PM	30.47	50.48	5	18	IGUT
218	Kashmar, Khorasan Razavi	2015-05-05	9:28:31PM	35.4	58.48	5.5	9	IGUT
219	Sirch, kerman	2015-07-31	10:06:29AM	29.99	57.63	5.4	9	IGUT
220	Pehleh, Ilam	2015-09-25	6:10:24AM	32.89	46.53	5	17	IGUT
221	Bäherden, Turkmenistan	2015-10-12	9:37:26PM	38.29	56.92	5.3	7	IGUT
222	Masjed soleiman, Khuzestan	2015-11-25	9:17:18PM	32.07	49.65	5.1	12	IGUT
223	HEKIMHAN	2015-11-29	0:28	38.8401	37.837	5	22.41	AFAD
224	KIGI	2015-12-02	23:27	39.261	40.217	5.3	10.66	AFAD
225	Naghan, Charmahal va Bakhtiari	2016-03-31	7:15:15AM	31.89	50.83	5	8	IGUT
226	Ayvacik	2017-02-06	10:58	39.5303	26.1351	5.3	8.72	AFAD
227	Ayvacik	2017-02-06	3:51	39.5495	26.137	5.3	14.16	AFAD
228	Ayvacik	2017-02-07	2:24	39.5205	26.151	5.2	6.24	AFAD
229	Ayvacik	2017-02-12	13:48	39.5336	26.17	5.3	7	AFAD
230	Samsat	2017-03-02	11:07	37.5955	38.4866	5.5	9.76	AFAD
231	Saatli, Azerbaijan	2017-05-11	3:24:15AM	39.81	48.51	5.2	50	IGUT
232	Pish ghale, North Khorasan	2017-05-13	6:00:58PM	37.58	57.19	5.8	8	IGUT
233	Saruhanli	2017-05-27	15:53	38.7358	27.8156	5.1	11.03	AFAD
234	Izmir	2017-06-17	19:50	38.8428	26.4233	5.3	9.11	AFAD
235	Sirch, kerman	2017-07-23	5:32:12PM	30.09	57.62	5.3	7	IGUT
236	Sharabian, East Azarbaijan	2017-08-27	11:14:49PM	37.9	47.09	5.1	7	IGUT
237	Tang-e eram, Busheh	2017-09-03	12:49:00PM	29.08	51.73	5	9	IGUT
238	Ziyaratali, Hormozgan	2017-10-23	12:24:14AM	27.76	57.1	5.4	18	IGUT
239	Mugla	2017-11-24	21:49	37.1146	28.6045	5.1	24.46	AFAD
240	Hojedk, kerman	2017-12-01	3:34:59AM	30.69	57.38	5.1	8	IGUT
241	Halubcah, Iraq	2017-12-11	2:09:56PM	35.07	45.75	5.4	8	IGUT
242	Hojedk, kerman	2017-12-	9:41:29PM	30.84	57.3	5.8	7	IGUT

243	Koohbanan, kerman	2017-12-21	5:04:44PM	31.37	56.25	5.2	5	IGUT
244	Sar pol zahab, Kermanshah	2018-01-06	3:22:07PM	34.47	45.79	5.1	6	IGUT
245	Sirch, kerman	2018-07-22	8:39:14PM	30.36	57.49	5.7	7	IGUT
246	Ayvacic	2019-02-20	18:23	39.6011	26.4261	5	5.8	DDA
247	Acipayam	2019-03-20	6:34	37.4401	29.4335	5.5	10.76	DDA
248	Istanbul	2019-09-26	10:59	40.8818	28.214	5.8	7.97	DDA
249	Sivrice	2020-03-19	17:53	38.3818	39.0998	5	13.2	DDA
250	Damavand, Tehran	2020-05-07	8:18:21PM	35.86	52.11	5	11	IGUT
251	Arad, Fars	2020-06-09	5:18:12PM	27.65	53.48	5.6	14	IGUT
252	Khonj, Fars	2020-06-09	4:08:49PM	27.71	53.49	5.4	8	IGUT
253	Karliova	2020-06-14	14:24	39.365	40.714	5.7	8	AFAD
254	Karliova	2020-06-15	6:51	39.3678	40.7435	5.6	7.01	AFAD
255	Saruhanli	2020-06-26	7:21	38.7676	27.8018	5.5	9.29	AFAD
256	Pütürge	2020-08-04	9:37	38.2193	38.7243	5.2	8.16	AFAD
257	Merkez	2020-12-27	6:37	38.5218	39.1813	5.3	15.94	AFAD
258	Sisakht, Kohgiluyeh va Boyer-Ahmad	2021-02-17	6:35:34PM	30.87	51.53	5.6	6	IGUT
259	Shabankareh, Bushehr	2021-07-18	2:34:19PM	29.65	51.12	5.3	8	IGUT
260	Altintas	2021-08-21	11:04	39.0133	30.1641	5	12.07	AFAD
261	Merkez	2021-11-17	12:40	40.844	31.0316	5	18.29	AFAD
262	Kookherd, Hormozgan	2022-03-16	11:15:44PM	26.88	54.75	5.9	26	IGUT
263	Bandar khamir, Hormozgan	2022-07-01	11:24:13PM	26.89	55.18	5.9	13	IGUT
264	Göle	2022-09-27	14:08	40.748	42.801	5	9.45	AFAD
265	Gölyaka	2022-11-23	1:08	40.823	31.025	5.9	6.81	AFAD
266	Çanakkale	2023-01-07	1:52	39.374	26.249	5	14.02	AFAD
267	Yeşilyurt	2023-02-06	10:26	38.332	38.271	5.8	6.89	AFAD
268	Gaziantep	2023-02-06	1:36	37.128	36.639	5.7	11.19	AFAD
269	Kahramanmaraş	2023-02-06	10:32	38.064	37.241	5.5	10.93	AFAD
270	Nurdağı	2023-02-06	2:23	37.194	36.955	5.3	11.81	AFAD
271	Gaziantep	2023-02-06	1:58	37.054	36.649	5.3	10.21	AFAD
272	Gaziantep	2023-02-06	1:51	37.542	37.188	5.3	6.63	AFAD
273	Kahramanmaraş	2023-02-06	18:03	38.043	36.484	5.2	12.79	AFAD
274	Çelikhan	2023-02-06	2:06	38.084	38.368	5.1	6.95	AFAD
275	Doğanşehir	2023-02-06	15:14	37.977	37.667	5	7.04	AFAD
276	Gaziantep	2023-02-06	1:51	36.836	36.633	5	7	AFAD
277	Gölbaşı	2023-02-	3:13	37.808	37.655	5.4	8.44	AFAD

278	Malatya	2023-02-07	7:11	38.135	38.617	5.3	6.93	AFAD
279	Hatay	2023-02-16	19:47	36.253	35.752	5.1	9.26	AFAD
280	Kahramanmaraş	2023-02-18	19:31	38.08	36.602	5.1	6.2	AFAD
281	Kahramanmaraş	2023-03-23	9:19	38.04	36.459	5.3	12.9	AFAD
282	Malatya	2023-08-10	17:48	38.308	38.209	5.3	7.89	AFAD
283	Malatya	2023-11-23	14:46	38.158	38.569	5.2	7	AFAD
284	Bursa	2023-12-04	7:42	40.4269	28.83194	5.1	8.98	AFAD
285	Battalgazi	2024-01-25	13:04	38.1989	38.45889	5.2	13.88	AFAD
286	İzmir	2024-01-27	5:19	37.9669	27.13056	5.1	8.51	AFAD
287	"Sicilia-Orientale_Italy"	-	-	-	-	5.6	-	PEER
288	"Friuli (aftershock 9)_Italy"	-	-	-	-	5.5	-	PEER
289	"40204628"	-	-	-	-	5.5	-	PEER

جدول (ب). طبقه‌بندی ساختگاهی شتاب‌نگاشت‌های جنبش قوی ایران

No	Station Name	Sta. Lat.	Sta. Long.	Inst. Type	V _{S30}	Soil Type	Number of Records
1	Abad	29.02	51.26	SSA-2	482	2	1
2	Abaragh	29.35	57.94	SSA-2	1160	1	1
3	Ab-bar	36.92	48.95	SSA-2	660	2	2
4	Ab-bar1	36.92	48.95	SSA-2	660	2	1
5	Abdanan	33	47.42	SSA-2	654	2	6
6	Abgarm	35.76	49.28	SSA-2	199	3	1
7	Abhar	36.15	49.22	SSA-2	300	3	2
8	Afin	33.53	59.74	SSA-2	1397	1	2
9	AghGhala1	37	54.46	SSA-2	341	3	2
10	Ahar	38.47	47.06	SSA-2	-	3	6
11	Ahmadi	27.94	56.67	SSA-2	528	2	4
12	Ahram	28.89	51.29	SSA-2	988	1	2
13	Aleshtar	33.86	48.25	SSA-2	621	2	2
14	AliAbad	36.9	54.85	SSA-2	562	2	3
15	AliHoseini	28.76	51.24	SSA-2	416	2	5
16	Amand	38.23	46.16	SSA-2	743	2	1
17	Amol	36.46	52.35	SSA-2	-	3	1
18	Andimeshk	32.47	48.35	SSA-2	-	1	3
19	Andoohjerd	30.23	57.75	SSA-2	566	2	1
20	Aran	34.24	47.55	SSA-2	-	3	1
21	Ardal	32	50.66	SSA-2	-	4	1
22	Ardebil1	38.23	48.28	SSA-2	659	2	1
23	Ardebil2	38.22	48.26	SSA-2	659	2	2
24	Arkvaz-e-MalekShahi	33.39	46.61	SSA-2	-	3	1
25	ArmaganKhaneh	36.98	48.37	SSA-2	763	1	1
26	Aru	30.59	50.7	SSA-2	-	3	1
27	Ashkhaneh	37.56	56.92	SSA-2	-	3	1
28	Astara	38.42	48.87	SSA-2	189	3	2
29	Avaj	35.58	49.22	SSA-2	814	1	1
30	Avargan	31.89	50.95	SSA-2	-	1	1
31	AzimAbad	35.15	58.07	SSA-2	237	3	2
32	Bab Anar	28.96	53.22	Guralp	885	1	1
33	BabaKalan	30.11	50.82	SSA-2	-	2	1
34	BabaMonir	30.07	51.21	SSA-2	832	1	4
35	BabaMonir1	30.07	51.21	Guralp	387	2	1
36	Baftan	26.14	61.47	SSA-2	-	1	1
37	Baghin	30.19	56.81	SSA-2	516	2	2
38	Bajestan	34.52	58.18	SSA-2	739	2	1
39	Balaadeh	29.29	51.94	SSA-2	1380	1	1
40	Bam	29.09	58.35	SSA-2	499	2	2

41	Bandar-e-Abas4	27.19	56.3	SSA-2	-	1	2
42	Bandar-e-Abbas1	27.19	56.3	SSA-2	-	3	1
43	Bandar-e-Abbas2	27.19	56.3	SSA-2	-	1	2
44	Bandar-e-Abbas3	27.19	56.29	SSA-2	337	3	3
45	Bandar-e-Dayyer	27.83	51.93	SSA-2	508	2	2
46	Bandar-e-Deylam1	30.05	50.16	Guralp	-	4	1
47	Bandar-e-Gaz	36.76	53.95	SSA-2	347	3	1
48	Bandar-e-Genaveh1	29.57	50.57	Guralp	508	2	1
49	Bandar-e-Khamir1	26.95	55.58	Guralp	679	2	1
50	Bandar-e-Moqam	26.97	53.48	SSA-2	567	2	1
51	Bandar-e-Rig	29.49	50.63	SSA-2	480	2	1
52	Bandar-e-Torkaman	36.89	54.06	SSA-2	350	3	1
53	Bander-e-Lengeh1	26.57	54.9	Guralp	901	1	1
54	Baraqan	35.95	50.94	SSA-2	-	2	1
55	Bardaskan	35.27	57.97	SSA-2	993	1	1
56	Bardkhood	28.06	51.47	SSA-2	401	2	1
57	Bardsir	29.91	56.58	SSA-2	539	2	1
58	BarezooDam1	37.61	57.95	SSA-2	-	1	1
59	Basht	30.34	51.16	SSA-2	-	3	2
60	Basmanj	38	46.47	SSA-2	564	2	2
61	Bastak1	27.2	54.38	Guralp	508	2	1
62	Beyram	27.44	53.51	SSA-2	377	2	1
63	Bile-Savar	39.37	48.32	SSA-2	533	2	2
64	Bisheh-Deraz	32.83	46.98	SSA-2	873	1	3
65	Bojnoord*	37.48	57.33	SMA-1	520	2	1
66	Boldaji	31.94	51.06	SSA-2	-	1	2
67	Bonyabad	34.08	59.88	SSA-2	673	2	1
68	Boomehen	35.73	51.86	SSA-2	696	2	1
69	Booshehr1	28.98	50.84	SSA-2	511	2	1
70	Boroojen	31.96	51.3	SSA-2	-	1	2
71	Boshrooyeh	33.87	57.42	SSA-2	474	2	1
72	Bushman	28.83	51.7	SSA-2	1172	1	3
73	Chaghalvandi	33.66	48.55	SSA-2	616	2	1
74	ChahMalek	28.55	59.16	SSA-2	-	3	1
75	ChalanChoolan	33.66	48.91	SSA-2	428	2	2
76	Chatrood	30.6	56.91	SSA-2	852	1	3
77	Chaykandi	38.38	46.7	SSA-2	-	3	3
78	CheghakhorDam	31.92	50.94	SSA-2	-	1	2
79	ChehelZaree	29.49	50.86	SSA-2	360	3	2
80	Chenar	35.28	58.91	SSA-2	956	1	2
81	Chenaran	36.65	59.13	SSA-2	514	2	1
82	Cheshmehsabz	29.46	56.42	SSA-2	678	2	1
83	Dahram	28.49	52.3	SSA-2	-	1	1
84	Dalaki	29.43	51.29	SSA-2	971	1	3
85	Damavand	35.72	52.06	SSA-2	-	1	1
86	Damirchi	38.12	47.37	SSA-2	1241	1	3
87	Danesfahan	35.81	49.73	SSA-2	478	2	1
88	Daraam	37.02	48.77	SSA-2	-	3	1
89	DarehShahr	33.14	47.38	SSA-2	413	2	4
90	Darreh-Asbar	33.45	49.06	SSA-2	935	1	1
91	Darsejin	36.02	49.24	SSA-2	636	2	1
92	Darvishi	28.32	51.8	SSA-2	-	1	1
93	Dasht-e-Abbas	32.41	47.83	SSA-2	342	3	6
94	Dasht-e-Khak	31.07	56.56	SSA-2	-	2	1
95	Davaran	30.58	56.19	SSA-2	752	1	1
96	Davarzan	36.35	56.88	SSA-2	604	2	1
97	Degaga	35.23	46.45	SSA-2	-	3	1
98	Dehdasht	30.79	50.58	SSA-2	-	1	1
99	DehJalal	36.32	48.7	SSA-2	748	2	2
100	DehlijAbesard	33.15	48.09	SSA-2	-	1	2
101	Dehloran	32.69	47.26	SSA-2	798	1	8
102	DehReza	28.67	59.26	SSA-2	-	2	1
103	Dehtel1	27.21	54.79	Guralp	-	1	1
104	Delijan	33.98	50.68	SSA-2	-	3	1
105	DerakhtToot	35.75	61.1	SSA-2	-	1	1
106	Deyhook	33.29	57.51	SSA-2	780	1	1
107	DoAb	36.02	53.05	SSA-2	409	2	1
108	Dogonbadan	30.35	50.79	SSA-2	-	3	2
109	Dogonbadan1	30.36	50.8	Guralp	-	3	1
110	Doobaran	28.41	54.18	SSA-2	1363	1	1

111	Doobaran1	28.41	54.18	SSA-2	1363	1	1
112	Dorood	33.49	49.06	SSA-2	771	1	1
113	Douzal	38.86	46.23	SSA-2	-	2	5
114	Eshkanan	27.22	53.61	SSA-2	1066	1	1
115	Eslam-Abad	39.58	47.71	SSA-2	1111	1	1
116	Evaz	27.76	54.01	SSA-2	757	1	1
117	Ezgeleh	34.83	45.84	SSA-2	-	2	1
118	Fahraj	28.95	58.88	SSA-2	280	3	1
119	Fareghan	28.01	56.26	SSA-2	-	2	1
120	Fariman	35.7	59.84	SSA-2	680	2	1
121	Farrashband	28.86	52.09	SSA-2	630	2	3
122	Faryab	28.9	51.46	SSA-2	827	1	6
123	Fasham	35.93	51.53	SSA-2	-	3	1
124	Fasham2	35.93	51.53	Guralp	-	3	1
125	FeyzAbad	35.01	58.78	SSA-2	578	2	2
126	Fin1	27.63	55.9	SSA-2	681	2	1
127	Firooz Abad	36.36	51.37	SSA-2	921	1	1
128	FiroozkooH	35.76	52.76	Guralp	883	1	1
129	Firozeh	36.29	58.59	SSA-2	743	2	1
130	Forat	35.92	54.31	SSA-2	510	2	1
131	Foromad	36.5	56.76	SSA-2	-	2	1
132	Gandoman	31.86	51.15	SSA-2	-	3	3
133	Garmab	33.88	59.7	SSA-2	592	2	2
134	Garmabdar	35.99	51.63	SSA-2	-	3	1
135	Garmkhan	37.51	57.49	SSA-2	-	1	1
136	Gazanak	35.9	52.22	SSA-2	-	3	1
137	Germi	39.05	48.06	SSA-2	712	2	1
138	Ghaemiyeh	29.85	51.59	SSA-2	617	2	5
139	Ghaemiyeh1	29.85	51.59	Guralp	617	2	1
140	GhaleGanj	27.52	57.88	SSA-2	683	2	1
141	GhalehnoKharaqan	36.63	55.07	SSA-2	381	2	1
142	Gifan	37.89	57.49	SSA-2	-	1	3
143	Gilanqarb	34.14	45.94	SSA-2	692	2	4
144	Gilanqarb1	34.14	45.92	Guralp	692	2	1
145	Gilvan	36.78	49.13	SSA-2	-	1	2
146	Giyana	34.17	48.24	SSA-2	-	2	1
147	Golbaf1	29.89	57.73	SSA-2	320	3	2
148	Gomishan	37.07	54.08	SSA-2	-	4	2
149	Gonbad-e-Kavoos	37.24	55.16	SSA-2	402	2	1
150	Gonbadli	36.39	60.86	SSA-2	1111	1	1
151	Goorsefid	34.22	45.85	SSA-2	403	2	5
152	Gooyom	29.83	52.4	SSA-2	598	2	2
153	Gorgan1	36.84	54.38	SSA-2	291	3	3
154	Gosht	27.79	61.96	SSA-2	297	3	2
155	GotvandDam1	32.26	48.92	SSA-2	-	3	1
156	HajiAbad	28.35	54.42	SSA-2	561	2	3
157	Hamedan3	34.78	48.52	SSA-2	872	1	1
158	Haris	38.25	47.12	SSA-2	530	2	5
159	HasanKeyf	36.5	51.15	SSA-2	339	3	2
160	HasanLangi	27.39	56.86	SSA-2	-	4	2
161	Havigh	38.15	48.89	SSA-2	-	1	2
162	Helabad*	37.92	48.42	SMA-1	387	2	1
163	Hengam	28.36	52.6	Guralp	892	1	1
164	Hineman	30.53	57.29	SSA-2	617	2	5
165	Hir	38.08	48.49	SSA-2	612	2	1
166	Hojdak	30.76	57.01	SSA-2	-	2	3
167	Hoorand	38.86	47.37	SSA-2	-	3	4
168	Horjand	30.67	57.15	SSA-2	999	1	5
169	HosseiniyehOlya	32.67	48.25	SSA-2	582	2	4
170	Hotkan	30.85	56.79	SSA-2	837	1	3
171	InchahBorun	37.46	54.72	SSA-2	283	3	2
172	Izeh1	31.82	49.86	SSA-2	712	2	2
173	Jangal	34.7	59.22	SSA-2	314	3	2
174	Javanrood	34.81	46.49	SSA-2	298	3	2
175	Jiroft	28.67	57.74	SSA-2	343	3	1
176	Jiroft Dam1	28.86	57.47	-	-	1	1
177	Joshan	30.12	57.6	SSA-2	776	1	5
178	Jouyom	28.26	53.98	SSA-2	1244	1	3
179	KaboodarAhang	35.21	48.72	SSA-2	613	2	1
180	Kadkan	35.59	58.87	SSA-2	571	2	1

181	Kahnooj	27.94	57.7	SSA-2	1564	1	2
182	Kahoorestan	27.22	55.56	SSA-2	807	1	2
183	Kaki	28.34	51.52	SSA-2	470	2	2
184	Kaleibar	38.87	47.04	SSA-2	850	1	4
185	Karaj	35.83	50.99	SSA-2	-	3	1
186	KarehBas	29.45	52.17	SSA-2	-	2	2
187	Kariq	37.92	48.06	SSA-2	589	2	2
188	KarjDam1	35.96	51.09	SSA-2	-	4	1
189	KarjDam2	35.96	51.09	SSA-2	-	4	1
190	Kashmar	35.24	58.47	SSA-2	494	2	4
191	Kavar	29.21	52.69	Guralp	800	1	1
192	Kazeroon	29.62	51.67	SSA-2	352	3	4
193	Kelvans	38.72	44.7	SSA-2	-	1	1
194	Kerend	34.28	46.24	SSA-2	800	1	1
195	Kerman1	30.3	57.07	SSA-2	202	3	6
196	Kerman2	30.26	57.08	SSA-2	202	3	7
197	Kerman3	30.26	57.08	SSA-2	202	3	1
198	Kerman4	30.28	57.04	Guralp	202	3	2
199	Khaf	34.58	60.15	SSA-2	414	2	3
200	Khajeh	38.15	46.59	SSA-2	450	2	6
201	Khalili	27.64	53.3	Guralp	-	1	1
202	Khanook	30.72	56.78	SSA-2	1083	1	2
203	Khanzeynioun	29.67	52.15	SSA-2	773	1	3
204	Kharvanagh	38.69	46.17	SSA-2	-	1	3
205	khezri	34.02	58.81	Guralp	704	2	1
206	KhodaBandeh	36.11	48.58	SSA-2	-	1	1
207	Khomarloo	39.15	47.03	SSA-2	921	1	1
208	Khondab	34.4	49.15	SSA-2	466	2	1
209	Khonj	27.89	53.43	SSA-2	308	3	1
210	KHONJ1	27.89	53.43	Guralp	308	3	1
211	Khoormoj	28.66	51.37	SSA-2	919	1	6
212	KhoramAbad1	33.49	48.36	SSA-2	821	1	1
213	Khoy	38.55	44.96	SSA-2	333	3	2
214	Koloor	37.39	48.72	SSA-2	860	1	1
215	KonarTakhteh	29.53	51.4	SSA-2	450	2	5
216	Kooh-e-Zar	35.45	54.59	SSA-2	759	1	1
217	KowsarDam	38.5	47.83	SSA-2	-	1	1
218	Lahijan	37.21	50.01	Guralp	250	3	1
219	Lahrood	38.5	47.83	SSA-2	981	1	1
220	LalehZar	29.52	56.81	SSA-2	678	2	1
221	LarDam1*	35.89	51.99	SMA-1	-	1	1
222	Lavasan	35.82	51.63	SSA-2	-	1	1
223	Lavasan1	35.82	51.63	Guralp	-	1	1
224	Liqvan	37.83	46.43	SSA-2	-	1	1
225	Mahan	30.07	57.29	SSA-2	1085	1	1
226	Maharloo	29.35	52.82	SSA-2	570	2	1
227	MahmoodAbad	36.63	52.25	SSA-2	-	4	1
228	Malayer	34.31	48.8	SSA-2	-	2	2
229	Margoun1	31	51.08	Guralp	-	3	1
230	Marivan	35.52	46.18	SSA-2	-	1	1
231	Mashhad1	36.31	59.56	SSA-2	748	2	1
232	Mashhad3	36.31	59.53	SSA-2	676	2	1
233	Mashhad4	36.28	59.5	SSA-2	748	2	1
234	Mashhad5	36.31	59.47	SSA-2	748	2	1
235	Masiri	30.25	51.52	SSA-2	1262	1	3
236	MasjedSoleyman	31.98	49.25	SSA-2	708	2	2
237	MasjedSoleymanDam1	32.02	49.4	SSA-2	-	2	1
238	Mehtar1o1	38.47	46.71	SSA-2	-	3	2
239	MeshkinShahr	38.39	47.67	SSA-2	-	1	2
240	MeshkinShahr*	38.39	47.67	SMA-1	-	1	1
241	meymand	31.1	51.27	SSA-2	881	1	1
242	MeymoonDarreh	36.13	49.14	SSA-2	-	3	1
243	Minoodasht	37.23	55.37	SSA-2	449	2	1
244	*Minoodasht	37.23	55.36	SMA-1	449	2	1
245	Miyaneh	37.43	47.7	SSA-2	-	1	1
246	MohammadAbad-e- Maskoon	28.91	57.89	SSA-2	507	2	2
247	Mood	32.7	59.52	SSA-2	1004	1	1
248	Moosiyah	32.52	47.38	SSA-2	472	2	4
249	Moradloo	39.28	48.13	SSA-2	-	1	1

250	Mosha3	35.76	52.05	Guralp	-	3	1
251	Murmuri	32.73	47.67	SSA-2	898	1	9
252	Nahand	38.25	46.47	SSA-2	-	3	6
253	NahandDam1	38.22	46.48	SSA-2	-	3	4
254	NahandDam2	38.22	46.48	SSA-2	-	3	5
255	NahandDam3	38.22	46.48	SSA-2	-	3	5
256	Nahavand	34.19	48.38	SSA-2	769	1	2
257	Namin	38.42	48.48	SSA-2	1236	1	3
258	Naqan	31.93	50.72	SSA-2	700	2	2
259	NargesZar	29.45	51.89	SSA-2	551	2	1
260	NasrAbad	35.42	60.31	SSA-2	795	1	2
261	Naveh	37.67	57.42	SSA-2	-	1	1
262	Neyshaboore	36.21	58.82	SSA-2	232	3	1
263	Nir	38.04	48.02	SSA-2	541	2	2
264	Niyaraq	38.26	48.63	SSA-2	1512	1	1
265	Noor	36.57	52.01	SSA-2	178	3	1
266	Noshahr	36.65	51.49	SSA-2	165	4	1
267	Nosood	35.16	46.2	SSA-2	-	1	2
268	Odloo	39.3	48.16	SSA-2	445	2	2
269	óZaram	33.8	48.82	SSA-2	693	2	1
270	Pahle	33.01	46.88	SSA-2	844	1	2
271	Palangan	35.07	46.6	SSA-2	-	1	1
272	ParsAbad	39.65	47.91	SSA-2	-	3	2
273	Pataveh1	30.95	51.28	Guralp	-	2	1
274	Paveh	35.04	46.36	SSA-2	-	2	1
275	PishinDam	26.02	61.68	SSA-2	-	1	1
276	Pol Sefid	36.12	53.05	SSA-2	-	3	1
277	PolDokhtar	33.15	47.71	SSA-2	486	2	4
278	Poul	36.4	51.59	SSA-2	-	2	3
279	Qadamgah	36.11	59.06	SSA-2	1010	1	1
280	QadrooniDam	30.96	56.82	SSA-2	-	2	3
281	Qaen2	33.73	59.19	SSA-2	770	1	3
282	Qahrvard	35.47	48.06	SSA-2	414	2	1
283	QasemAbad	34.35	59.86	SSA-2	680	2	2
284	Qasr-e-Qand	26.23	60.74	SSA-2	-	1	1
285	Qasreshirin	34.51	45.59	SSA-2	347	3	2
286	Qasr-e-Shirin1	34.51	45.59	Guralp	347	3	1
287	Qeshm	26.96	56.28	SSA-2	757	1	4
288	Ramyán	37.02	55.14	SSA-2	827	1	3
289	Ravansar	34.65	46.65	SSA-2	267	3	1
290	Ravar	31.26	56.79	SSA-2	853	1	5
291	Rayen	29.61	57.43	SSA-2	-	1	2
292	Raz	37.94	57.1	SSA-2	-	3	5
293	Razan	35.39	49.03	SSA-2	314	3	1
294	Razi	38.63	48.09	SSA-2	720	2	3
295	Reygan	28.65	59.01	SSA-2	437	2	2
296	Rezvan	27.56	56.08	SSA-2	752	1	1
297	Richi	29.5	52.18	SSA-2	-	1	2
298	Rivash	35.49	58.48	SSA-2	428	2	3
299	Riz	28.05	52.07	SSA-2	1027	1	2
300	Robat	37.9	57.7	SSA-2	-	3	2
301	Romghan	29.37	52.16	SSA-2	1362	1	1
302	Roodbar	28.02	58	SSA-2	595	2	1
303	Roodehen1	35.74	51.91	Guralp	-	1	1
304	Roodsar	37.14	50.28	Guralp	170	4	1
305	Roshtkhar	34.97	59.62	SSA-2	900	1	1
306	Rostagh	26.89	53.86	SSA-2	821	1	1
307	Rostami	28.57	51.08	SSA-2	546	2	1
308	Saaman	34.21	48.71	SSA-2	-	3	2
309	SabzGaz	28.34	61.46	SSA-2	-	4	1
310	SaedAbad	29.38	51.12	SSA-2	921	1	1
311	SaeidAbad	35.67	51.19	SSA-2	-	1	1
312	SaeinGhale	36.31	49.07	SSA-2	642	2	1
313	Salas-e-Babajani	34.74	46.15	SSA-2	-	3	1
314	SalehAbad	35.69	61.09	SSA-2	1472	1	1
315	Salmas1	38.2	44.85	SSA-2	209	3	1
316	Sangan	34.4	60.25	SSA-2	643	2	2
317	Sarab	37.94	47.54	SSA-2	406	2	1
318	Sarbaz	26.63	61.26	SSA-2	-	3	1
319	SarDasht	32.5	48.83	SSA-2	-	1	1

320	Sarpolezahab	34.46	45.87	SSA-2	619	2	1
321	SarPol-e-Zahab	34.46	45.87	SSA-2	619	2	2
322	Sarpolezahab1	34.46	45.87	Guralp	619	2	1
323	SarvAbad	35.31	46.37	SSA-2	-	1	2
324	Sarvestan	29.27	53.22	Guralp	464	2	1
325	Sarzeh	28.33	59.02	SSA-2	-	3	1
326	SatarkhanDam1	38.46	46.9	SSA-2	-	3	1
327	SatarkhanDam2	38.46	46.92	SSA-2	-	3	4
328	SatarkhanDam3	38.46	46.9	SSA-2	-	3	3
329	Sedeh	33.33	59.24	SSA-2	854	1	2
330	Sepidan	30.27	51.98	SSA-2	522	2	3
331	SepidDasht	33.22	48.89	SSA-2	1177	1	1
332	Seyedtajedin	38.36	45.03	SSA-2	456	2	2
333	Seylab	38.31	44.76	SSA-2	439	2	2
334	Shabankareh	29.47	50.99	SSA-2	368	3	1
335	Shabankareh2	29.47	50.99	Guralp	368	3	1
336	Shadmehr	35.17	59.04	SSA-2	540	2	2
337	Shahdad	30.41	57.69	SSA-2	1247	1	2
338	ShahidAbbasPoorDam1	32.05	49.6	SSA-2	-	3	1
339	ShahidAbbasPoorDam2	32.05	49.6	SSA-2	-	3	1
340	ShahidAbbasPoorDam3	32.05	49.6	SSA-2	-	3	1
341	ShahidYaqoobiDam1	35.16	59.41	SSA-2	-	2	1
342	ShahidYaqoobiDam2	35.16	59.41	SSA-2	-	2	1
343	ShahZeyd	36.21	52.34	SSA-2	-	2	1
344	Shalamzar	32.05	50.82	SSA-2	-	3	1
345	Sharabiyān	37.89	47.1	SSA-2	484	2	3
346	Shazand	33.93	49.41	SSA-2	-	1	2
347	SheykhMalu	38.44	46.63	SSA-2	-	1	2
348	Shiraz2	29.63	52.52	SSA-2	345	3	1
349	ShirinroodDam1	30.81	57.03	SSA-2	-	1	1
350	Shirinsu	35.49	48.45	SSA-2	813	1	1
351	Shonbeh	28.4	51.76	SSA-2	1396	1	5
352	ShoolAbad	33.18	49.19	SSA-2	1084	1	1
353	Shoosh	32.19	48.24	SSA-2	319	3	2
354	Shoot	39.22	44.77	SSA-2	407	2	1
355	Showgan	37.34	56.89	SSA-2	-	1	1
356	SibSooran	27.28	62	SSA-2	-	3	1
357	Sirch	30.2	57.56	SSA-2	398	2	3
358	Sirch*	30.19	57.56	SMA-1	398	2	1
359	Sirdan	36.65	49.19	SSA-2	352	3	1
360	Sisakht1	30.85	51.46	Guralp	-	1	1
361	Siyahoo	27.76	56.33	SSA-2	627	2	1
362	Soghan	28.35	56.88	SSA-2	-	1	1
363	Soltanyeh	36.44	48.8	SSA-2	466	2	1
364	Soofiyan	38.28	45.98	SSA-2	707	2	1
365	Soomar	33.88	45.64	SSA-2	642	2	2
366	Suza	26.78	56.07	SSA-2	1334	1	5
367	Tabas	33.6	56.94	SSA-2	650	2	1
368	Tabl	26.76	55.72	SSA-2	931	1	3
369	Tabl1	26.76	55.73	Guralp	931	1	1
370	Tabriz4	38.08	46.3	SSA-2	-	2	2
371	Tabriz5	38.1	46.33	SSA-2	-	2	2
372	Tabriz6	38.02	46.39	SSA-2	-	2	2
373	Takht	27.5	56.64	SSA-2	1195	1	1
374	Taleb-e-Qeshlaqi	38.4	48.21	SSA-2	978	1	1
375	Taleqan	36.18	50.76	SSA-2	462	2	1
376	Talesh	37.81	48.9	Guralp	-	4	1
377	Tarz	31.4	56.5	SSA-2	923	1	3
378	Taybad	34.74	60.78	SSA-2	448	2	2
379	Tazeh-Shahr	38.17	44.7	SSA-2	301	3	1
380	Tehran1	35.59	51.43	SSA-2	-	4	1
381	Tehran10	35.76	51.41	SSA-2	-	1	1
382	Tehran11	35.76	51.41	SSA-2	-	1	1
383	Tehran13	35.65	51.4	SSA-2	-	1	1
384	Tehran14	35.73	51.4	SSA-2	-	1	1
385	Tehran15	35.73	51.4	SSA-2	-	1	1
386	Tehran22	35.74	51.38	SSA-2	-	2	1
387	Tehran24	35.75	51.15	SSA-2	522	2	1
388	Tehran27	35.74	51.66	SSA-2	569	2	1
389	Tehran29	35.68	51.42	SSA-2	-	1	1

390	Tehran3	35.88	51.34	SSA-2	-	1	1
391	TEhran303	35.78	51.49	Guralp	-	3	1
392	Tehran32	35.76	51.41	SSA-2	-	4	1
393	Tehran33	35.79	51.39	SSA-2	-	1	1
394	Tehran35	35.7	51.41	SSA-2	-	2	1
395	Tehran36	35.76	51.41	SSA-2	-	4	1
396	Tehran4	35.76	51.41	SSA-2	-	3	1
397	Tehran56	35.72	51.27	SSA-2	613	2	1
398	Tehran70	35.74	51.58	Guralp	593	2	1
399	Tehran79	35.59	51.43	Guralp	-	2	1
400	Tikmedash	37.73	46.95	SSA-2	442	2	1
401	Tomban	26.77	55.86	SSA-2	778	1	6
402	Tonekabon	36.81	50.88	SSA-2	200	3	1
403	Tooshk-e-Ab-e-Sard	33.77	48.57	SSA-2	891	1	1
404	TorbateHeiydaryeh	35.27	59.22	SSA-2	306	3	2
405	TorbateJam	35.23	60.63	SSA-2	538	2	1
406	TorbateJam*	35.24	60.61	SMA-1	538	2	1
407	ToroqDam2	36.18	59.55	SSA-2	-	3	1
408	Torqabe	36.31	59.38	SSA-2	-	3	1
409	Varzaqan	38.51	46.64	SSA-2	475	2	5
410	VoshmgirDam	37.21	54.74	SSA-2	-	3	1
411	YanehSar	36.57	53.81	SSA-2	-	3	1
412	Yasooj3	30.66	51.6	Guralp	-	1	1
413	Zahedshahr	28.74	53.8	SSA-2	-	1	1
414	Zanjan1	36.66	48.5	SSA-2	-	2	1
415	Zanjan3	36.66	48.5	SSA-2	-	2	1
416	Zanjiran	29.07	52.62	-	680	2	1
417	Zarand	30.81	56.58	SSA-2	226	3	4
418	Zarrat	29.11	52.84	SSA-2	800	1	1
419	Zeh Kelot	27.79	58.59	SSA-2	-	4	1
420	ZiyaratAli	27.74	57.23	SSA-2	1334	1	3
421	ZyaAbad	36	49.45	SSA-2	815	1	1

جدول (ج). فرکانس‌های قطع انتخابی برای رکوردهای مورد مطالعه

Record code	Filter type		Record code	Filter type		Record code	Filter type	
	High-pass filter	order		High-pass filter	Order		High-pass filter	order
1715	0.15	4	4028-01	0.25	4	5733-02-L	0.15	4
2778	0.05	4	4029-00	0.2	4	5734-00-L	0.15	4
1659-02	0.05	4	4035-03	0.07	4	5749-00	0.35	4
1676-01	0.07	4	4038-00-T	0.05	4	5750-01	0.35	4
1676-02	0.06	4	4052-03	0.15	4	5752-00-L,T	0.25	4
1688-00	0.35	4	4053-00-L,T	0.15	4	5755-03	0.25	4
1689-4-L,T	0.09	4	4054-01	0.1	4	5756-01	0.25	4
1689-4-V	0.25	4	4054-02-L	0.3	4	5760-02-L	0.15	4
1690-00	0.35	4	4054-02-T	0.15	4	5762-03	0.15	4
1691-00	0.05	4	4055-03-L,T	0.2	4	5779-01-L,T	0.15	4
1693-01	0.04	4	4095-00-T	0.1	4	5780-01	0.15	4
1695-00	0.08	4	4096-01	0.15	4	5781-00	0.1	4
1700-00-L,T	0.05	4	4104-00	0.6	4	5783-01	0.1	4
1700-00-V	0.07	4	4128-00-T	0.1	4	5784-00-L	0.1	4
1701-01	0.05	4	4128-00-V	0.15	4	5784-00-T	0.2	4
1701-03	0.2	4	4144-00-T,V	0.15	4	5787-00-L,T	0.05	4
1707-02-L,T	0.03	4	4147-05	0.15	4	5787-00-V	0.2	4
1707-02-V	0.05	4	4147-13	0.1	4	5796-00-L,T	0.25	4
1724-00-L,T	0.07	4	4153-00-L,T	0.15	4	5800-01-L	0.25	4
1724-00-V	0.1	4	4156-00-T	0.45	4	5800-01-T,V	0.1	4

1725-00	0.15	4	4156-00-V	0.65	4	5800-02-L,T	0.5	4
1727-02	3	4	4190-02-L,V	0.15	4	5800-03	0.45	4
1731-00-T,V	1	4	4190-02-T	0.1	4	5800-11	0.15	4
1733-00	1.5	4	4192-00-L,T	0.15	4	5801-07	0.2	4
1753-00	0.05	4	4207-01-L,T	0.35	4	5801-27-L	0.95	4
1754-01-V	0.08	4	4207-01-V	0.15	4	5801-69	0.15	4
1799-00	0.05	4	4231-00-L	0.2	4	5814-01	0.15	4
1816-04	0.08	4	4231-00-T	0.25	4	5814-05	0.25	4
1819-00-L,T	0.07	4	4239-00-L,T	0.25	4	5829-00-L,T	0.05	4
1833-02	0.15	4	4241-00-T	0.25	4	5829-00-V	0.1	4
1833-15	0.3	4	4312-00-L,T	0.25	4	5842-01	0.1	4
1879-24-L,T	0.12	4	4337-00-T	0.25	4	5848-00-L,T	0.2	4
1879-24-V	0.2	4	4416-00-L,T	0.15	4	5922-01	0.2	4
1887-00-L,T	0.08	4	4417-00-T	0.25	4	5922-04-L	0.1	4
1887-00-V	0.15	4	4417-00-V	0.75	4	5922-04-T	0.2	4
1913-01-L,T	0.35	4	4418-00-L	0.75	4	5922-04-V	0.5	4
1913-01-V	0.5	4	4418-00-T	0.35	4	5945-00-L,T	0.35	4
1927-13-L,T	0.1	4	4420-00-T	0.35	4	5947-00-L	0.45	4
1927-13-V	0.17	4	4422-00-L,T	0.45	4	5947-00-T	0.15	4
1943-00	0.17	4	4423-00-L	0.45	4	5978-00-L,T	0.25	4
1944-00-L	0.05	4	4424-00-L	0.25	4	6014-01	0.15	4
1944-00-T,V	0.07	4	4552-03-L,T	0.15	4	6031-01	0.15	4
2004-00-L,T	0.3	4	4552-03-V	0.25	4	6031-02-L	0.15	4
2008-01-L,T	0.15	4	4573-00	0.25	4	6031-02-T,V	0.1	4
2008-01-V	0.2	4	4574-00	0.2	4	6034-00-L	0.15	4
2017-degaga	0.04	4	4599-00-L	0.6	4	6034-00-T,V	0.2	4
2017-nosood	0.04	4	4600-00-L	0.35	4	6036-01-L	0.2	4
2017-palangan	0.04	4	4600-00-T	0.15	4	6036-01-T	0.25	4
2017-Sarpolezahab	0.03	4	4602-00-L,T	0.15	4	6036-02-L	0.15	4
2017-Sarv_Abad	0.03	4	4602-00-V	0.25	4	6036-02-T	0.25	4
2019-00-L,T	0.12	4	4604-00-L,V	0.3	4	6037-01-L,T	0.3	4
2019-00-V	0.05	4	4604-00-T	0.15	4	6037-02-L	0.1	4
2021-00-L,V	0.35	4	4605-00-L	0.25	4	6037-02-T	0.2	4
2027-01-L	0.05	4	4605-00-T,V	0.45	4	6038-00-L	0.3	4
2027-01-T	0.08	4	4607-00	0.45	4	6039-00-L,T	0.25	4
2029-00-L,T	0.3	4	4613-00	0.15	4	6040-00-L	0.25	4
2033-01	0.15	4	4614-00-V	0.25	4	6042-00-L	0.25	4
2039-00-T	0.35	4	4615-00	0.25	4	6042-00-T,V	0.35	4
2043-00-L,T	0.35	4	4637-00-L,T	0.2	4	6043-00	0.15	4
2047-02-L	0.1	4	4638-00-L,T	0.25	4	6044-00-L,T	0.2	4
2047-02-T	0.2	4	4646-00	0.15	4	6047-00	0.15	4
2049-01-L,T	0.1	4	4675-01	0.1	4	6058-00	0.15	4
2049-01-V	0.07	4	4675-02-L,T	0.2	4	6060-00-T	0.45	4
2072-02-L	0.7	4	4676-00-L	0.15	4	6062-00-L,T	0.15	4
2072-02-T	0.15	4	4676-00-T	0.1	4	6063-01-L	0.05	4
2105-00-T	0.3	4	4678-01	0.05	4	6063-01-T,V	0.1	4

2121-02	0.15	4	4678-05-L	0.2	4	6064-00	0.2	4
2123-02-L	0.05	4	4678-05-T	0.15	4	6067-01	0.15	4
2123-02-T	0.12	4	4686-03	0.05	4	6068-00	0.15	4
2126-03-L,T	0.08	4	4686-03	0.05	4	6077-00-L	0.1	4
2130-01	0.05	4	4686-19-L	0.15	4	6077-00-L	0.15	4
2130-02-L	0.1	4	4686-19-T,V	0.2	4	6107-13	0.35	4
2130-02-T,V	0.15	4	4687-01-L,T	0.17	4	6195-00-L	0.25	4
2131-02	0.04	4	4687-01-L,T	0.35	4	6196-00-L,T	0.15	4
2168-00-L,T	0.15	4	4688-01-L	0.1	4	6196-00-V	0.65	4
2176-01-L	0.07	4	4688-01-T,V	0.2	4	6198-00-T	0.65	4
2176-01-T	0.12	4	4732-02	0.1	4	6198-00-V	0.35	4
2176-01-V	0.25	4	4734-00-L,T	0.25	4	6199-00-L	0.15	4
2178-00-T	0.15	4	4735-00	0.2	4	6199-00-T	0.65	4
2180-00-L,T	0.15	4	4736-00-L	0.15	4	6200-00-L,T	0.5	4
2185-00-L	0.8	4	4736-00-T	0.25	4	6220-01	0.2	4
2190-00-L,T	0.4	4	4739-01-L	0.15	4	6275-00-L	0.05	4
2196-02-L	0.3	4	4739-01-T,V	0.2	4	6275-00-T,V	0.1	4
2196-02-T	0.45	4	4740-01-L,T	0.5	4	6276-00-T	0.2	4
2200-00-L,T	0.2	4	4764-01-L	0.15	4	6277-00-L,T	0.1	4
2200-00-V	0.3	4	4764-08	0.15	4	6278-00-L,T	0.1	4
2205-04-L,T	0.15	4	4852-00-L,T	0.55	4	6278-00-V	0.15	4
2205-04-V	0.3	4	4853-00-L	0.25	4	6279-02	0.05	4
2214-04-L	0.15	4	4853-00-T	0.45	4	6283-21-L,T	0.1	4
2214-04-T	0.3	4	4927-00	0.25	4	6283-21-V	0.15	4
2215-04-L,T	0.15	4	4928-00	0.35	4	6284-00	0.1	4
2215-04-V	0.25	4	4929-00	0.35	4	6291-00-L,T	0.15	4
2220-20-L,V	0.3	4	4940-04-L,T	0.15	4	6299-02-L,T	0.25	4
2220-20-T	0.2	4	4940-04-V	0.25	4	6300-03-L,T	0.05	4
2220-22-L	0.1	4	4941-00-L,T	0.25	4	6300-03-V	0.15	4
2220-22-T,V	0.35	4	4942-01-L,T	0.2	4	6300-04-L,T	0.2	4
2224-03-L	0.1	4	4942-01-V	0.3	4	6300-05-T	0.15	4
2224-03-T,V	0.2	4	4957-00	0.15	4	6300-06-L,T	0.2	4
2248-04-T	0.2	4	4958-00	0.15	4	6301-01-T	0.35	4
2248-04-V	0.3	4	4959-02	0.2	4	6301-02-L,T	0.1	4
2274-26	0.2	4	4992-00	0.1	4	6301-05-L,T	0.15	4
2275-19-L	0.1	4	4993-00	0.1	4	6302-01	0.1	4
2275-19-T	0.2	4	4994-01	0.1	4	6303-04-L,T	0.15	4
2275-19-V	0.25	4	4995-01	0.1	4	6303-06-L,T	0.1	4
2275-20-L,V	0.25	4	5000-00-L,T	0.15	4	6303-06-V	0.15	4
2275-20-T	0.15	4	5002-00	0.1	4	6303-10	0.2	4
2276-02	0.1	4	5003-00	0.1	4	6303-11	0.15	4
2276-1-L	0.2	4	5004-00	0.15	4	6305-01	0.2	4
2276-1-T,V	0.4	4	5005-00-L,T	0.1	4	6306-03-L,T	0.1	4
2292-02	0.07	4	5005-00-V	0.2	4	6306-03-V	0.2	4
2294-02-L,T	0.15	4	5006-00	0.1	4	6306-04-L,T	0.05	4

2298-01-L	0.2	4	5010-00-L,T	0.2	4	6306-04-V	0.1	4
2298-01-T,V	0.3	4	5011-00-T	0.1	4	6306-11	0.1	4
2299-00-L,T	0.1	4	5013-00-L	0.3	4	6306-28-L,T	0.2	4
2343-01-L	0.3	4	5014-00-L,T	0.1	4	6311-01	0.1	4
2343-01-T,V	0.2	4	5014-00-V	0.15	4	6311-03-L	0.15	4
2345-00-L,T	0.25	4	5018-02-L	0.25	4	6317-01	0.15	4
2345-00-V	0.35	4	5028-00-L	0.05	4	6317-04-L	0.2	4
2360-00-L,T	0.1	4	5028-00-T,V	0.15	4	6317-04-T,V	0.1	4
2360-00-V	0.25	4	5030-01-L	0.1	4	6328-01-T	0.15	4
2366-02-L	0.15	4	5030-01-T	0.03	4	6328-02	0.1	4
2366-02-T,V	0.2	4	5030-01-V	0.05	4	6337-01-L	0.15	4
2366-1-L	0.15	4	5061-00	0.2	4	6337-05-L	0.2	4
2366-1-T	0.25	4	5062-00-L,T	0.1	4	6345-00-L,T	0.15	4
2371-00-L,T	0.2	4	5062-00-V	0.15	4	6349-01-L,T	0.1	4
2382-01-L	0.15	4	5063-00-L	0.15	4	6350-01-L,T	0.15	4
2382-01-V	0.2	4	5063-00-T	0.25	4	6350-01-V	0.1	4
2386-02-L,T	0.3	4	5065-00	0.15	4	6360-01-T	0.15	4
2386-02-V	0.45	4	5079-00-L,T	0.25	4	6363-00-L,T	0.15	4
2411-01-L	0.2	4	5089-00-T	0.15	4	6369-01	0.2	4
2411-01-T	0.15	4	5092-00-L,V	0.15	4	6369-02-L	0.4	4
2411-01-V	0.35	4	5092-00-T	0.1	4	6402-00	0.35	4
2471-00-T	0.4	4	5093-00-L,T	0.1	4	6403-00-L	0.15	4
2474-00-L,T	0.05	4	5093-00-V	0.15	4	6403-00-T	0.25	4
2474-00-V	0.08	4	5095-00	0.9	4	6404-00-L	0.3	4
2507-01-T	0.2	4	5096-00-L,T	0.25	4	6408-00-L	0.1	4
2510-01-L,T	0.15	4	5096-00-V	0.35	4	6419-00-L,T	0.15	4
2510-01-V	0.08	4	5098-02-L	0.1	4	6481-00-L	0.05	4
2539-00-L	0.35	4	5098-02-T	0.15	4	6481-00-T,V	0.2	4
2539-00-T,V	0.15	4	5130-00	0.05	4	6482-00-L,T	0.25	4
2562-01	0.15	4	5135-00	0.1	4	6482-00-V	0.35	4
2570-00-L,T	0.45	4	5150-00-L,T	0.25	4	6484-00-T	0.15	4
2570-00-V	0.65	4	5151-01-L,T	0.1	4	6485-00-L	0.15	4
2611-01-L	0.1	4	5151-01-V	0.35	4	6485-00-T	0.1	4
2611-01-T	0.2	4	5152-00-L	0.25	4	6485-00-V	0.25	4
2684-03-L	0.25	4	5152-00-T	0.15	4	6486-00-L,T	0.2	4
2686-T	0.2	4	5154-02-L	0.1	4	6487-00	0.5	4
2687-L	0.1	4	5154-02-T,V	0.15	4	6504-00	0.45	4
2687-T	0.15	4	5154-06-L	0.25	4	6545-00	0.15	4
2699-L,T	0.35	4	5154-06-T	0.35	4	6546-00-L	0.15	4
2699-V	0.65	4	5155-01-T	0.25	4	6546-00-T,V	0.25	4
2707-02-T	0.1	4	5155-02-L,T	0.25	4	6547-00-L,T	0.15	4
2715-L	0.15	4	5156-02-L	0.5	4	6547-00-V	0.25	4
2715-T	0.08	4	5156-02-T	0.25	4	6548-00-L,T	0.25	4
2748-01-L,T	0.04	4	5157-07	0.35	4	6549-00	0.15	4
2748-01-V	0.05	4	5157-08-L,T	0.35	4	6550-00	0.35	4
2749-01-L,T	0.12	4	5173-00-L,T	0.15	4	6552-00-V	0.25	4
2749-01-V	0.08	4	5176-03-	0.15	4	6553-00-	0.3	4

			L,T			L,T		
2751-01-L,T	0.05	4	5177-03-T	0.15	4	6627-00-L	0.25	4
2752-00-T	0.05	4	5179-04	0.05	4	6628-00-T	0.25	4
2753-00-L	0.07	4	5194-01-L	0.04	4	6629-00	0.35	4
2754-01	0.1	4	5194-01-T,V	0.07	4	6638-00-L,T	0.25	4
2756-01	0.05	4	5195-02-L	0.45	4	6640-00-L	0.25	4
2760-02-L,T	0.07	4	5195-02-T,V	0.15	4	6640-00-T,V	0.45	4
2761-00-L,T	0.05	4	5196-00	0.25	4	6665-00	0.35	4
2763-00	0.1	4	5209-00-L,T	0.25	4	6671-02-L,V	0.35	4
2768-00-T,V	0.25	4	5210-01	0.25	4	6671-02-T	0.55	4
2769-02-L	0.05	4	5248-00-L,T	0.25	4	6735-00-L,V	0.25	4
2769-02-T,V	0.07	4	5249-00-L,T	0.15	4	6735-00-T	0.15	4
2771-00	0.07	4	5254-00-L,T	0.2	4	6737-00	0.15	4
2772-00-L,T	0.05	4	5254-00-V	0.4	4	6739-00-L,T	0.25	4
2772-00-V	0.07	4	5276-00-T	0.2	4	6781-00-L,T	0.25	4
2781-00	0.05	4	5277-02	0.25	4	6781-00-V	0.35	4
2953-01-L	0.25	4	5375-00	0.1	4	6995-00	0.35	4
2953-01-T,V	0.15	4	5376-00-L,T	0.2	4	6996-00	0.25	4
3009-03	0.25	4	5379-00-L	0.2	4	7000-00	0.15	4
3038-00-L,T	0.25	4	5379-00-T	0.15	4	7001-00	0.2	4
3040-01-L	0.05	4	5379-00-V	0.25	4	7064-00-L,V	0.2	4
3040-01-T,V	0.1	4	5380-00-L	0.35	4	7065-00-L,T	0.3	4
3040-03-L,T	0.1	4	5380-00-T	0.1	4	7067-00	0.2	4
3040-03-V	0.2	4	5380-00-V	0.2	4	7068-00-L,T	0.4	4
3041-01-L	0.05	4	5382-00-L,T	0.05	4	7068-00-V	0.7	4
3041-01-T,V	0.07	4	5382-00-V	0.15	4	7070-00-L,T	0.15	4
3041-02	0.07	4	5383-00-L,T	0.2	4	7070-00-V	0.1	4
3042-02-L,T	0.15	4	5385-00	0.25	4	7071-00-L	0.2	4
3050-00-L,T	1	4	5404-00-L	0.2	4	7071-00-T	0.3	4
3056-00-L	0.15	4	5404-00-V	0.4	4	7072-00	0.2	4
3056-00-T	0.25	4	5405-00-L	0.55	4	7073-00-L,T	0.15	4
3056-00-V	0.35	4	5407-00-T	0.25	4	7073-00-V	0.45	4
3057-00-L	0.3	4	5409-02-L,T	0.15	4	7074-01-L	0.15	4
3057-00-T	0.5	4	5411-00	0.15	4	7074-01-T,V	0.1	4
3134-02-L,T	0.25	4	5446-00-L	0.25	4	7075-00-L	0.3	4
3136-05-L	0.25	4	5447-02-L,T	0.15	4	7150-00	0.1	4
3136-05-T	0.05	4	5449-00	0.15	4	7153-00	0.2	4
3136-05-V	0.15	4	5451-00-L,T	0.15	4	7181-00-L,T	0.25	4
3162-01-L	0.03	4	5452-00	0.25	4	7181-00-V	0.45	4
3162-01-T,V	0.05	4	5453-00	0.25	4	7183-01	0.1	4
3168-02	0.06	4	5499-00	0.25	4	7192-00	0.25	4
3170-02-L	0.05	4	5500-00	0.15	4	7230-00	0.45	4
3170-02-T,V	0.06	4	5501-00-L	0.15	4	7259-00	0.25	4
3176-01	0.05	4	5501-00-T,V	0.45	4	7260-00-L,T	0.25	4
3198-01-L	0.07	4	5502-00-L	0.15	4	7260-00-V	0.15	4
3198-01-T	0.15	4	5502-00-T,V	0.25	4	7279-00	0.1	4
3203-01-L,T	0.15	4	5504-00-L,T	0.2	4	7290-00	0.1	4

3223-03-L,T	0.25	4	5520-01	0.1	4	7296-00-L,T	0.25	4
3244-02-L,T	0.15	4	5520-04	0.1	4	7296-00-V	0.35	4
3244-02-V	0.25	4	5521-13-L	0.1	4	7297-00	0.05	4
3255-00-T	0.15	4	5521-13-T	0.3	4	7302-01	0.05	4
3297-00-L	0.05	4	5521-13-V	0.5	4	7310-00	0.05	4
3297-00-T,V	0.15	4	5523-01-L	0.05	4	7377-01	0.05	4
3298-00	0.1	4	5528-01	0.05	4	7384-01	0.05	4
3299-00	0.07	4	5528-02	0.1	4	7398-00	0.1	4
3300-00-L,T	0.07	4	5532-01	0.2	4	7436-01	0.04	4
3301-00-L	0.12	4	5532-03	0.1	4	7436-03	0.15	4
3301-00-T	0.05	4	5532-07-L	0.25	4	7437-00-L	0.15	4
3302-00-L,T	0.07	4	5532-07-T	0.55	4	7439-00-L,T	1	4
3302-00-V	0.1	4	5532-07-V	0.15	4	7441-01	0.1	4
3304-00-L	0.07	4	5533-01	0.15	4	7442-01-L,T	0.2	4
3307-00-L	0.2	4	5533-02-L,T	0.25	4	7443-00-L,T	0.15	4
3307-00-T	0.25	4	5533-02-V	0.35	4	7481-00-L,V	0.15	4
3313-00-L,T	0.1	4	5540-01	0.1	4	7481-00-T	0.1	4
3314-00-L,T	0.08	4	5540-03	0.1	4	7482-00-L	0.1	4
3317-00-L,T	0.15	4	5544-01-L	0.1	4	7482-00-T,V	0.15	4
3317-00-V	0.05	4	5544-01-T,V	0.15	4	7484-00-L,T	0.25	4
3318-00-L	0.05	4	5544-03	0.15	4	7486-00-L,T	0.25	4
3318-00-T	0.03	4	5544-07-L	0.25	4	7491-05-L,T	0.25	4
3318-00-V	0.07	4	5544-07-T	0.35	4	7492-00-T	0.2	4
3319-00-L	0.05	4	5545-01	0.15	4	7495-00	0.1	4
3323-00-L	0.1	4	5545-03	0.25	4	7496-00-L	0.1	4
3324-00-L	1	4	5546-01-L	0.25	4	7499-00-L,T	0.15	4
3324-00-T	0.5	4	5546-01-T,V	0.1	4	7499-00-V	0.25	4
3325-00-L	0.08	4	5546-02	0.2	4	7500-00-L	0.05	4
3325-00-T,V	0.12	4	5547-01	0.1	4	7502-00-L,T	0.25	4
3326-00-L	0.09	4	5547-03-L	0.2	4	7503-05	0.1	4
3326-00-T	0.03	4	5547-03-T,V	0.15	4	7505-02-L	0.07	4
3326-00-V	0.12	4	5547-09-L	0.6	4	7505-02-T,V	0.1	4
3327-00-L,T	0.05	4	5547-09-T	0.3	4	7505-04-L	0.15	4
3330-01-L,V	0.04	4	5550-02	0.15	4	7505-04-T,V	0.2	4
3330-01-T	0.08	4	5558-01	0.05	4	7505-06	0.15	4
3330-10-L	0.2	4	5558-03	0.15	4	7505-08-L,V	0.2	4
3330-12-L	0.15	4	5558-08-L	0.3	4	7507-04-L,T	0.2	4
3330-12-T,V	0.25	4	5558-09-L	0.25	4	7508-00-L,T	0.1	4
3333-00	0.2	4	5565-01-L	0.1	4	7511-07	0.2	4
3335-00	0.12	4	5565-02	0.1	4	7513-01	0.15	4
3338-00-L,T	0.15	4	5570-02-L,T	0.15	4	7513-02	0.15	4
3338-00-V	0.25	4	5572-01	0.1	4	7513-03-L	0.1	4
3339-00-L,T	0.15	4	5572-02-L,T	0.1	4	7514-01-L,T	0.1	4
3341-00-L,T	0.05	4	5572-02-V	0.15	4	7514-03-L,T	0.15	4
3347-00-L	0.15	4	5573-01-L,T	0.05	4	7514-04-L	0.9	4
3350-00-L	0.05	4	5573-02-L,T	0.1	4	7514-05-T	0.2	4
3350-00-T,V	0.1	4	5574-01	0.1	4	7515-03	0.15	4

3351-00-L	0.05	4	5574-02	0.1	4	7575-01	0.3	4
3351-00-T,V	0.1	4	5579-01-L,T	0.05	4	7674-00-L	0.1	4
3357-00-L	0.15	4	5579-01-V	0.1	4	7674-00-T,V	0.15	4
3363-00	0.15	4	5579-04	0.15	4	7677-00-L,T	0.15	4
3364-01	0.25	4	5583-01	0.04	4	7681-00-L,T	0.1	4
3365-02-T	0.25	4	5583-03	0.07	4	8011-00-L	0.05	4
3368-01	0.1	4	5584-01-L	0.05	4	8011-00-T	0.15	4
3369-01-L,T	0.1	4	5584-01-T,V	0.1	4	8539-00-L	0.05	4
3382-00-T,V	0.1	4	5584-03	0.15	4	8539-00-T	0.1	4
3404-00-L,T	0.1	4	5584-14	0.2	4	8542-00-T	0.15	4
3414-02-L,T	0.15	4	5585-01	0.15	4	8543-02-L	0.08	4
3415-00	0.15	4	5585-03	0.25	4	8543-02-T,V	0.15	4
3426-00-L,T	1	4	5585-10-L,T	0.45	4	8545-00	0.1	4
3466-01-L	0.2	4	5586-01	0.1	4	8548-00-L,T	0.05	4
3466-01-T	0.25	4	5586-04	0.1	4	8548-00-V	0.1	4
3466-01-V	0.35	4	5587-01	0.05	4	8558-00-L	0.08	4
3474-00-T	0.15	4	5587-05	0.05	4	8573-00	0.08	4
3542-00-L,T	0.15	4	5588-01-L	0.2	4	8699-00-L	0.1	4
3542-00-V	0.25	4	5588-01-T,V	0.05	4	8699-00-T,V	0.15	4
3544-00-L,T	0.15	4	5588-06	0.1	4	8707-01-L	0.2	4
3544-00-V	0.25	4	5589-07	0.15	4	8707-02	0.15	4
3545-00-L,T	0.15	4	5589-08-L,T	0.15	4	8834-00	0.05	4
3545-00-V	0.25	4	5589-08-V	0.35	4	8835-00-L,T	0.1	4
3551-00-L	0.15	4	5591-03-L,V	0.3	4	8836-00	0.1	4
3556-01-L,V	0.15	4	5591-03-T	0.4	4	8843-00-L,T	0.1	4
3556-01-T	0.1	4	5591-05	0.4	4	8866-00	0.1	4
3607-00-L,V	0.15	4	5592-02-L,T	0.4	4	8869-00-L,T	0.1	4
3607-00-T	0.1	4	5593-05-L	0.25	4	8869-00-V	0.2	4
3618-00-L	0.1	4	5593-05-V	0.45	4	8877-00	0.1	4
3618-00-T	0.05	4	5594-00-L	0.25	4	8878-00-L,T	0.1	4
3618-00-V	0.15	4	5597-43-L	0.05	4	8879-00-L,T	0.1	4
3638-00-L,T	0.15	4	5597-43-T,V	0.15	4	8975-00-L	0.1	4
3638-00-V	0.25	4	5597-79	0.15	4	9059-00-L,T	0.1	4
3639-05-L	0.25	4	5601-01-L,T	0.05	4	9063-00	0.15	4
3642-02-L,T	0.15	4	5602-01	0.15	4	9384-00	0.1	4
3654-05-L	1.5	4	5605-04	0.25	4	9387-00	0.1	4
3660-01	0.1	4	5605-05-L,T	0.25	4	9588-01	0.1	4
3661-00	0.1	4	5608-04-L,T	0.25	4	9588-07-L,T	0.1	4
3662-00-L,T	0.1	4	5608-04-V	0.55	4	9588-07-V	0.15	4
3663-00-L,T	0.1	4	5608-05-L	0.2	4	9588-08	0.1	4
3665-00-L,T	0.1	4	5608-05-T	0.15	4	9589-08-T	3	4
3671-01-L,V	0.05	4	5609-11-L,T	0.1	4	9599-01	0.1	4
3671-01-T	0.07	4	5609-11-V	0.2	4	9599-07-L,T	0.1	4
3671-02	0.2	4	5611-02	0.15	4	9599-08-L,T	3	4
3679-00	0.05	4	5634-02-L	0.2	4	1084-01-L	0.04	4
3686-00	0.1	4	5634-02-	0.25	4	1084-01-	0.05	4

			T,V			T,V		
3687-00	0.07	4	5635-02	0.2	4	1492-16	0.1	4
3688-00	0.07	4	5636-02-L,T	0.2	4	1493-02	0.1	4
3689-01	0.05	4	5636-02-V	0.3	4	5180-02	0.1	4
3689-05-L,T	0.95	4	5637-05-L	0.25	4	1502-09	0.12	4
3697-01-L,T	0.05	4	5637-05-T,V	0.15	4	1362-01	0.15	4
3697-01-V	0.1	4	5638-09	0.15	4	3561-01	0.15	4
3702-00	0.1	4	5666-02	0.15	4	5782-00	0.15	4
3722-00-L,T	0.1	4	5669-02-L	0.1	4	5790-00	0.15	4
3722-00-V	0.2	4	5669-02-T	0.15	4	5815-00	0.15	4
3778-03-L,T	0.25	4	5670-00-T	0.15	4	7027-00	0.15	4
3778-03-V	0.35	4	5672-00-T	0.15	4	7462-00	0.15	4
3778-06	0.15	4	5672-00-V	0.25	4	7497-00	0.15	4
3782-07-L	0.15	4	5673-05	0.15	4	1043-00	0.2	4
3782-07-V	0.75	4	5674-05	0.1	4	1050-01	0.2	4
3879-00-L,T	0.15	4	5684-00-L	0.05	4	1051-01	0.2	4
3879-00-V	0.35	4	5684-00-T	0.1	4	1054-01	0.2	4
3883-00-V	0.45	4	5684-00-V	0.04	4	1082-01	0.2	4
3909-00-L,T	0.1	4	5685-00	0.2	4	1083-01	0.2	4
3912-00-L	0.1	4	5692-00-L	0.65	4	1113-00-L,T	0.2	4
3912-00-T	0.15	4	5696-00-T	0.25	4	1121-00-L,T	0.2	4
3915-01	0.05	4	5696-00-V	0.45	4	1123-00-L,T	0.2	4
3917-00	0.07	4	5698-00-L	0.25	4	1408-00	0.2	4
3963-04-L	0.25	4	5698-00-T	0.15	4	1495-00-L,T	0.2	4
3963-04-T	0.15	4	5698-00-V	0.35	4	1496-00-T,V	0.2	4
3964-00-L	0.45	4	5699-00	0.15	4	1497-00-T,V	0.2	4
3996-02	0.1	4	5700-00-L,T	0.25	4	1498-00-L,T	0.2	4
3998-00-L	0.15	4	5701-00-T	0.35	4	1687-00	0.2	4
3998-00-T,V	0.2	4	5704-03-L,T	0.65	4	2159-00	0.2	4
3999-00-L	0.1	4	5704-04-L,T	0.65	4	3560-01	0.2	4
3999-00-T	0.2	4	5704-05-L	0.95	4	1098-02	0.25	4
4000-00-L,T	0.5	4	5710-00-L	0.25	4	1490-02	0.25	4
4010-00-L,T	0.1	4	5710-00-T	0.1	4	1491-00	0.25	4
4012-01-L	0.15	4	5710-00-V	0.2	4	1044-00-L,T	0.3	4
4012-01-T,V	0.2	4	5715-13-L,T	0.05	4	1139-00	0.3	4
4013-01-L,V	0.45	4	5715-13-V	0.1	4	1141-01-L,T	0.3	4
4013-01-T	0.35	4	5716-23-L,T	0.1	4	1373-00	0.3	4
4018-03	0.05	4	5716-23-V	0.15	4	1169-00	0.4	4
4019-02-L,T	0.1	4	5718-01-L,T	0.15	4	1176-05	0.4	4
4020-01-L,V	0.05	4	5719-01	0.15	4	1179-00	0.4	4
4020-01-T	0.15	4	5720-01-L	0.15	4	1209-00	0.4	4
4022-02	0.1	4	5720-01-T,V	0.25	4	1134-02	0.5	4
4025-00	0.08	4	5721-03-L	0.05	4	1157-01	0.5	4
4027-05-L,T	0.05	4	5721-03-T	0.25	4	1348-00	0.5	4
4027-05-V	0.1	4	5722-04	0.15	4	1354-00	0.5	4
4027-08-L	0.05	4	5726-00-L,T	0.25	4	1355-00	0.5	4
4027-08-T	0.08	4	5729-00-L	0.25	4	1357-01	0.5	4
4027-08-V	0.15	4	5729-00-T,V	0.1	4	1359-00	0.5	4