A. SUPPLEMENTARY MATERIAL

A.1. Earthquake data

Table A.1. Seismic records used in the study

No.	Record	M*	CDR** (km)	PGA (g)	PGV (cm/s)
1	Loma Prieta, Gilroy - Gavilan Coll. (1989)	6.93	9.96	0.35	36.94
2	Loma Prieta, Gilroy - Gavilan Coll. (1989)	6.93	9.96	0.50	31.92
3	Northridge-01, Jensen Filter Plant (1994)	6.69	5.43	0.62	80.87
4	Northridge-01, Jensen Filter Plant (1994)	6.69	5.43	1.28	77.31
5	Northridge-01, Jensen Filter Plant Generator (1994)	6.69	5.43	0.62	80.82
6	Northridge-01, Jensen Filter Plant Generator (1994)	6.69	5.43	1.28	78.30
7	Northridge-01, Newhall - W Pico Canyon Rd. (1994)	6.69	5.48	0.51	105.28
8	Northridge-01, Newhall - W Pico Canyon Rd. (1994)	6.69	5.48	0.34	89.66
9	Northridge-01, Sylmar - Converter Sta East (1994)	6.69	5.19	0.99	136.28
10	Northridge-01, Sylmar - Converter Sta East (1994)	6.69	5.19	0.63	96.18
11	Northridge-01, Sylmar - Olive View Med FF (1994)	6.69	5.30	0.88	147.42
12	Northridge-01, Sylmar - Olive View Med FF (1994)	6.69	5.30	0.71	65.28
13	Kobe, Japan, KJMA (1995)	6.90	0.96	1.03	114.91
14	Kobe, Japan, KJMA (1995)	6.90	0.96	0.66	64.07
15	Kobe, Japan, Takarazuka (1995)	6.90	0.27	0.77	87.03
16	Kobe, Japan, Takarazuka (1995)	6.90	0.27	0.84	99.56
17	Kocaeli, Turkey, Gebze (1999)	7.51	10.92	0.29	61.41
18	Kocaeli, Turkey, Gebze (1999)	7.51	10.92	0.17	34.41
19	Chi-Chi, Taiwan, CHY101 (1999)	7.62	9.96	0.46	90.34
20	Chi-Chi, Taiwan, CHY101 (1999)	7.62	9.96	0.51	137.39
21	Chi-Chi, Taiwan, TCU049 (1999)	7.62	3.78	0.34	55.30
22	Chi-Chi, Taiwan, TCU049 (1999)	7.62	3.78	0.30	70.69
23	Chi-Chi, Taiwan, TCU053 (1999)	7.62	5.97	0.27	49.04
24	Chi-Chi, Taiwan, TCU053 (1999)	7.62	5.97	0.17	49.57
25	Chi-Chi, Taiwan, TCU054 (1999)	7.62	5.30	0.19	72.45
26	Chi-Chi, Taiwan, TCU054 (1999)	7.62	5.30	0.23	46.95
27	Chi-Chi, Taiwan, TCU076 (1999)	7.62	2.76	0.37	81.37
28	Chi-Chi, Taiwan, TCU076 (1999)	7.62	2.76	0.50	70.45
29	Chi-Chi, Taiwan, TCU082 (1999)	7.62	5.18	0.28	69.36
30	Chi-Chi, Taiwan, TCU082 (1999)	7.62	5.18	0.23	51.69
31	Chi-Chi, Taiwan, TCU087 (1999)	7.62	7.00	0.15	52.42
32	Chi-Chi, Taiwan, TCU087 (1999)	7.62	7.00	0.15	43.51
33	Chi-Chi, Taiwan, TCU101 (1999)	7.62	2.13	0.25	82.03
34	Chi-Chi, Taiwan, TCU101 (1999)	7.62	2.13	0.29	62.14
35	Chi-Chi, Taiwan, TCU103 (1999)	7.62	6.10	0.16	74.55
36	Chi-Chi, Taiwan, TCU103 (1999)	7.62	6.10	0.20	33.24
37	Chi-Chi, Taiwan, TCU122 (1999)	7.62	9.35	0.27	50.91
38	Chi-Chi, Taiwan, TCU122 (1999)	7.62	9.35	0.31	41.28
39	Chi-Chi, Taiwan, WGK (1999)	7.62	9.96	0.36	81.15
40	Chi-Chi, Taiwan, WGK (1999)	7.62	9.96	0.59	89.31
41	Northridge-01, LA - Sepulveda VA Hospital (1994)	6.69	8.44	0.90	93.21
42	Northridge-01, LA - Sepulveda VA Hospital (1994)	6.69	8.44	1.12	91.52

No.	Record	M*	CDR** (km)	PGA (g)	PGV (cm/s)
43	Northridge-01, LA Dam (1994)	6.69	5.92	0.51	89.81
44	Northridge-01, LA Dam (1994)	6.69	5.92	0.39	56.85
45	Northridge-01, Newhall - Fire Sta (1994)	6.69	5.92	0.70	89.87
46	Northridge-01, Newhall - Fire Sta (1994)	6.69	5.92	0.71	115.91
47	Northridge-01, Newhall - W Pico Canyon Rd. (1994)	6.69	5.48	0.50	141.81
48	Northridge-01, Newhall - W Pico Canyon Rd. (1994)	6.69	5.48	0.43	71.08
49	Northridge-01, Pardee - SCE (1994)	6.69	7.46	0.67	91.29
50	Northridge-01, Pardee - SCE (1994)	6.69	7.46	0.36	64.84
51	Northridge-01, Rinaldi Receiving Sta (1994)	6.69	6.50	1.05	177.60
52	Northridge-01, Rinaldi Receiving Sta (1994)	6.69	6.50	0.57	89.72
53	Northridge-01, Sylmar - Converter Sta (1994)	6.69	5.35	1.11	106.24
54	Northridge-01, Sylmar - Converter Sta East (1994)	6.69	5.19	1.02	145.17
55	Northridge-01, Sylmar - Converter Sta East (1994)	6.69	5.19	0.54	72.50
56	Northridge-01, Sylmar - Olive View Med FF (1994)	6.69	5.30	0.73	93.06
57	Northridge-01, Sylmar - Olive View Med FF (1994)	6.69	5.30	1.01	155.25
58	Kobe Japan, KJMA (1995)	6.90	0.96	1.00	109.33
59	Kobe Japan, KJMA (1995)	6.90	0.96	0.76	91.33
60	Kobe Japan, Port Island (0 m) (1995)	6.90	3.31	0.42	108.81
61	Kobe_Japan, Port Island (0 m) (1995)	6.90	3.31	0.35	61.37
62	Kobe_Japan, Takarazuka (1995)	6.90	0.27	0.84	82.09
63	Kobe Japan, Takarazuka (1995)	6.90	0.27	0.74	103.51
64	Kobe Japan, Takatori (1995)	6.90	1.47	0.74	144.81
65	Kobe Japan, Takatori (1995)	6.90	1.47	0.81	147.56
66	Kocaeli Turkey, Arcelik (1999)	7.51	13.49	0.25	16.74
67	Kocaeli Turkey, Arcelik (1999)	7.51	13.49	0.16	48.08
68	Kocaeli Turkey, Gebze (1999)	7.51	10.92	0.31	53.55
69	Kocaeli Turkey, Gebze (1999)	7.51	10.92	0.17	39.17
70	Kocaeli Turkey, Izmit (1999)	7.51	7.21	0.17	45.95
71	Kocaeli Turkey, Izmit (1999)	7.51	7.21	0.20	26.80
72	Kocaeli Turkey, Yarimca (1999)	7.51	4.83	0.27	83.66
73	Kocaeli Turkey, Yarimca (1999) Kocaeli Turkey, Yarimca (1999)	7.51	4.83	0.27	86.27
74	Chi-Chi Taiwan, CHY006 (1999)	7.62			
	_ , , , ,		9.76	0.43	50.80
75 76	Chi-Chi Taiwan, CHY006 (1999)	7.62	9.76	0.43	72.30
76	Chi-Chi Taiwan, CHY024 (1999)	7.62	9.62	0.34	61.36
77	Chi-Chi_ Taiwan, CHY024 (1999)	7.62	9.62	0.20	52.23
78	Chi-Chi_ Taiwan, CHY101 (1999)	7.62	9.94	0.41	78.00
79	Chi-Chi_ Taiwan, CHY101 (1999)	7.62	9.94	0.48	131.05
80	Tabas_ Iran, Tabas (1978)	7.35	2.05	1.02	118.62
81	Coyote Lake, Gilroy Array #2 (1979)	5.74	9.02	0.23	12.33
82	Coyote Lake, Gilroy Array #2 (1979)	5.74	9.02	0.31	38.32
83	Coyote Lake, Gilroy Array #3 (1979)	5.74	7.42	0.30	21.16
84	Coyote Lake, Gilroy Array #3 (1979)	5.74	7.42	0.31	35.49
85	Chi-Chi_ Taiwan, TCU049 (1999)	7.62	3.76	0.33	64.25
86	Chi-Chi_ Taiwan, TCU049 (1999)	7.62	3.76	0.29	74.78
87	Coyote Lake, Gilroy Array #4 (1979)	5.74	5.70	0.28	30.95
88	Coyote Lake, Gilroy Array #4 (1979)	5.74	5.70	0.30	38.20
89	Chi-Chi_ Taiwan, TCU051 (1999)	7.62	7.64	0.19	64.61

No.	Record	M*	CDR** (km)	PGA (g)	PGV (cm/s
90	Chi-Chi Taiwan, TCU051 (1999)	7.62	7.64	0.28	50.10
90 91	Chi-Chi Taiwan, TCU053 (1999)	7.62	5.95	0.28	47.52
91	Chi-Chi Taiwan, TCU053 (1999)	7.62	5.95	0.28	55.58
92 93	Chi-Chi Taiwan, TCU056 (1999)	7.62	10.48	0.10	51.45
93 94	Chi-Chi Taiwan, TCU056 (1999)				47.47
		7.62	10.48	0.17	
95	Coyote Lake, Gilroy Array #6 (1979)	5.74	3.11	0.51	53.22
96	Coyote Lake, Gilroy Array #6 (1979)	5.74	3.11	0.38	30.47
97	Chi-Chi_ Taiwan, TCU063 (1999)	7.62	9.78	0.22	52.78
98	Chi-Chi_ Taiwan, TCU063 (1999)	7.62	9.78	0.16	99.40
99	Chi-Chi_ Taiwan, TCU065 (1999)	7.62	0.57	0.69	110.5
100	Chi-Chi_ Taiwan, TCU075 (1999)	7.62	0.89	0.32	43.30
101	Chi-Chi_ Taiwan, TCU076 (1999)	7.62	2.74	0.41	62.21
102	Chi-Chi_ Taiwan, TCU076 (1999)	7.62	2.74	0.51	71.71
103	Chi-Chi_ Taiwan, TCU082 (1999)	7.62	5.16	0.27	65.91
104	Chi-Chi_ Taiwan, TCU082 (1999)	7.62	5.16	0.22	48.92
105	Chi-Chi_ Taiwan, TCU087 (1999)	7.62	6.98	0.15	54.03
106	Chi-Chi_ Taiwan, TCU087 (1999)	7.62	6.98	0.14	48.58
107	Chi-Chi_ Taiwan, TCU101 (1999)	7.62	2.11	0.25	92.17
108	Chi-Chi_ Taiwan, TCU101 (1999)	7.62	2.11	0.31	61.17
109	Chi-Chi_ Taiwan, TCU102 (1999)	7.62	1.49	0.36	110.0
110	Chi-Chi_ Taiwan, TCU103 (1999)	7.62	6.08	0.15	84.3
111	Chi-Chi_ Taiwan, TCU103 (1999)	7.62	6.08	0.18	29.00
112	Chi-Chi_ Taiwan, TCU104 (1999)	7.62	12.87	0.12	37.17
113	Chi-Chi_ Taiwan, TCU104 (1999)	7.62	12.87	0.11	56.99
114	Chi-Chi_ Taiwan, TCU128 (1999)	7.62	13.13	0.17	76.51
115	Chi-Chi_ Taiwan, TCU128 (1999)	7.62	13.13	0.20	75.17
116	Chi-Chi_ Taiwan, TCU136 (1999)	7.62	8.27	0.21	61.70
117	Chi-Chi_ Taiwan, TCU136 (1999)	7.62	8.27	0.20	54.53
118	Imperial Valley-06, Agrarias (1979)	6.53	0.65	0.34	41.92
119	Imperial Valley-06, Agrarias (1979)	6.53	0.65	0.23	50.02
120	Imperial Valley-06, Brawley Airport (1979)	6.53	10.42	0.20	43.93
121	Imperial Valley-06, Brawley Airport (1979)	6.53	10.42	0.26	49.13
122	Imperial Valley-06, EC County Center FF (1979)	6.53	7.31	0.25	46.13
123	Imperial Valley-06, EC County Center FF (1979)	6.53	7.31	0.28	88.06
124	Imperial Valley-06, El Centro - Meloland Geot. Array (1979)	6.53	0.07	0.38	87.53
125	Imperial Valley-06, El Centro - Meloland Geot. Array (1979)	6.53	0.07	0.36	111.1
126	Imperial Valley-06, El Centro Array #10 (1979)	6.53	8.60	0.21	60.83
127	Imperial Valley-06, El Centro Array #10 (1979)	6.53	8.60	0.28	55.65
128	Imperial Valley-06, El Centro Array #3 (1979)	6.53	12.85	0.32	57.57
129	Imperial Valley-06, El Centro Array #3 (1979)	6.53	12.85	0.27	51.95
130	Imperial Valley-06, El Centro Array #4 (1979)	6.53	7.05	0.58	47.5
131	Imperial Valley-06, El Centro Array #5 (1979)	6.53	3.95	0.63	58.69
132	Imperial Valley-06, El Centro Array #6 (1979)	6.53	1.35	0.54	80.42
133	Imperial Valley-06, El Centro Array #6 (1979)	6.53	1.35	0.54	136.2
134	Imperial Valley-06, El Centro Array #7 (1979)	6.53	0.56	0.41	62.02

No.	Record	M *	CDR** (km)	PGA (g)	PGV (cm/s)
135	Imperial Valley-06, El Centro Array #7 (1979)	6.53	0.56	0.56	135.77
136	Imperial Valley-06, El Centro Differential Array (1979)	6.53	5.09	0.42	90.69
137	Imperial Valley-06, El Centro Differential Array (1979)	6.53	5.09	0.58	49.13
138	Imperial Valley-06, Holtville Post Office (1979)	6.53	7.50	0.31	63.76
139	Imperial Valley-06, Holtville Post Office (1979)	6.53	7.50	0.27	61.75
140	Denali Alaska, TAPS Pump Station #10 (2002)	7.90	2.74	0.40	138.80
141	Denali Alaska, TAPS Pump Station #10 (2002)	7.90	2.74	0.36	79.15
142	Chi-Chi Taiwan-04, CHY074 (1999)	6.20	6.20	0.39	39.45
143	Chi-Chi Taiwan-04, CHY074 (1999)	6.20	6.20	0.41	52.20
144	Irpinia Italy-01, Bagnoli Irpinio (1980)	6.90	8.18	0.16	28.33
145	Irpinia Italy-01, Bagnoli Irpinio (1980)	6.90	8.18	0.23	41.65
146	Irpinia Italy-01, Sturno (STN) (1980)	6.90	10.84	0.27	44.38
147	Irpinia Italy-01, Sturno (STN) (1980)	6.90	10.84	0.38	86.35
148	Chi-Chi Taiwan-06, TCU078 (1999)	6.30	11.52	0.32	48.40
149	Chi-Chi_ Taiwan-06, TCU078 (1999)	6.30	11.52	0.46	41.65
150	Chi-Chi Taiwan-06, TCU080 (1999)	6.30	10.20	0.57	35.10
151	Chi-Chi Taiwan-06, TCU080 (1999)	6.30	10.20	0.65	43.33
152	Loma Prieta, Los Gatos - Lexington Dam (1989)	6.93	5.02	0.53	102.8
153	Loma Prieta, Los Gatos - Lexington Dam (1989)	6.93	5.02	0.33	114.9
154	Cape Mendocino, Bunker Hill FAA (1992)	7.01	12.24	0.47	81.47
155	Cape Mendocino, Bunker Hill FAA (1992)	7.01	12.24	0.21	58.01
156	Tottori_ Japan, TTR008 (2000)	6.61	6.88	0.23	65.03
157	Tottori Japan, TTR008 (2000)	6.61	6.88	0.38	42.55
158	Bam Iran, Bam (2003)	6.60	1.70	0.38	148.9
159	Bam Iran, Bam (2003)	6.60	1.70	0.75	72.18
160	Parkfield-02 CA, PARKFIELD - EADES (2004)	6.00	2.85	0.73	30.98
161	Parkfield-02 CA, PARKFIELD - EADES (2004)	6.00	2.85	0.47	32.21
162	Parkfield-02 CA, Parkfield - Cholame 1E (2004)	6.00	3.00	0.53	48.16
163	Parkfield-02 CA, Parkfield - Cholame 1E (2004)	6.00	3.00	0.33	47.14
164	Parkfield-02 CA, Parkfield - Cholame 2WA (2004)	6.00	3.00	0.45	76.75
165	Parkfield-02 CA, Parkfield - Cholame 2WA (2004)	6.00	3.01	0.75	53.76
166	Parkfield-02 CA, Parkfield - Cholame 3W (2004)	6.00	3.63	0.43	34.54
167	Parkfield-02 CA, Parkfield - Cholame 3W (2004)	6.00	3.63	0.59	45.36
168	Parkfield-02 CA, Parkfield - Fault Zone 1 (2004)	6.00	2.51	0.09	76.53
169	Parkfield-02 CA, Parkfield - Fault Zone 1 (2004)	6.00	2.51	1.00	97.67
170		6.00	2.85	0.18	28.70
	Parkfield 02 CA, Parkfield - Fault Zone 9 (2004)				
171	Parkfield 02 CA, Parkfield - Fault Zone 9 (2004)	6.00	2.85	0.12	17.19
172	Parkfield 02 CA, Parkfield - Fault Zone 12 (2004)	6.00	2.65	0.33	47.86
173	Parkfield-02_ CA, Parkfield - Fault Zone 12 (2004)	6.00	2.65	0.37	56.28
174	Niigata_ Japan, NIGH11 (2004)	6.63	8.93	0.72	69.75
175	Niigata_ Japan, NIGH11 (2004)	6.63	8.93	0.56	43.75
176	Montenegro_Yugoslavia, Bar-Skupstina Opstine (1979)	7.10	6.98	0.45	49.49
177	Montenegro_Yugoslavia, Bar-Skupstina Opstine (1979)	7.10	6.98	0.44	63.38
178	Montenegro_Yugoslavia, Ulcinj - Hotel Olimpic (1979)	7.10	5.76	0.35	52.36
179	Montenegro_Yugoslavia, Ulcinj - Hotel Olimpic (1979)	7.10	5.76	0.30	61.93
180	L'Aquila_Italy, L'Aquila - V. Aterno - Centro Valle (2009)	6.30	6.27	0.80	48.59
181	L'Aquila_ Italy, L'Aquila - V. Aterno - Centro Valle (2009)	6.30	6.27	0.67	51.30

No.	Record	M*	CDR** (km)	PGA (g)	PGV (cm/s)
182	L'Aquila_ Italy, L'Aquila - V. Aterno -F. Aterno (2009)	6.30	6.55	0.48	38.42
183	L'Aquila_ Italy, L'Aquila - V. Aterno -F. Aterno (2009)	6.30	6.55	0.53	32.34
184	L'Aquila_ Italy, L'Aquila - Parking (2009)	6.30	5.38	0.40	38.84
185	L'Aquila_ Italy, L'Aquila - Parking (2009)	6.30	5.38	0.43	43.62
186	Morgan Hill, Coyote Lake Dam - Southwest Abutment (1984)	6.19	0.53	0.86	63.48
187	Morgan Hill, Coyote Lake Dam - Southwest Abutment (1984)	6.19	0.53	1.56	94.13
188	Morgan Hill, Gilroy Array #6 (1984)	6.19	9.87	0.27	13.44
189	Morgan Hill, Gilroy Array #6 (1984)	6.19	9.87	0.35	43.79
190	Chuetsu-oki_ Japan, Joetsu Kakizakiku Kakizaki (2007)	6.80	11.94	0.55	106.86
191	Chuetsu-oki_ Japan, Joetsu Kakizakiku Kakizaki (2007)	6.80	11.94	0.36	58.77
192	San Salvador, National Geografical Inst (1986)	5.80	6.99	0.48	67.66
193	San Salvador, National Geografical Inst (1986)	5.80	6.99	0.64	87.59
194	Darfield_ New Zealand, DSLC (2010)	7.00	8.46	0.31	47.29
195	Darfield_ New Zealand, DSLC (2010)	7.00	8.46	0.28	80.71
196	Darfield_ New Zealand, GDLC (2010)	7.00	1.22	0.92	139.32
197	Darfield_ New Zealand, GDLC (2010)	7.00	1.22	0.85	120.41
198	Darfield New Zealand, HORC (2010)	7.00	7.29	0.54	127.11
199	Darfield New Zealand, HORC (2010)	7.00	7.29	0.57	83.82
200	Darfield New Zealand, LINC (2010)	7.00	7.11	0.55	130.49
201	Darfield_ New Zealand, LINC (2010)	7.00	7.11	0.47	68.29
202	Darfield New Zealand, Riccarton High School (2010)	7.00	13.64	0.28	75.27
203	Darfield New Zealand, ROLC (2010)	7.00	1.54	0.47	102.88
204	Darfield New Zealand, ROLC (2010)	7.00	1.54	0.39	68.41
205	Darfield New Zealand, TPLC (2010)	7.00	6.11	0.36	91.59
206	Darfield New Zealand, TPLC (2010)	7.00	6.11	0.25	54.97
207	Superstition Hills-02, Parachute Test Site (1987)	6.54	0.95	0.52	161.15
208	Superstition Hills-02, Parachute Test Site (1987)	6.54	0.95	0.46	63.67
209	Loma Prieta, Gilroy - Historic Bldg. (1989)	6.93	10.97	0.34	52.07
210	Loma Prieta, Gilroy - Historic Bldg. (1989)	6.93	10.97	0.29	28.49
211	Loma Prieta, Gilroy Array #2 (1989)	6.93	11.07	0.44	41.71
212	Loma Prieta, Gilroy Array #2 (1989)	6.93	11.07	0.39	48.45
213	Loma Prieta, Gilroy Array #3 (1989)	6.93	12.82	0.67	43.57
214	Loma Prieta, Gilroy Array #3 (1989)	6.93	12.82	0.44	54.51
215	San Fernando, Pacoima Dam (upper left abut) (1971)	6.61	1.81	1.46	137.37
216	San Fernando, Pacoima Dam (upper left abut) (1971) San Fernando, Pacoima Dam (upper left abut) (1971)	6.61	1.81	1.49	68.73
210	Loma Prieta, Saratoga - Aloha Ave (1989)	6.93	8.50	0.62	49.90
	•				
218	Loma Prieta, Saratoga - Aloha Ave (1989)	6.93	8.50	0.39	55.17
219	Loma Prieta, Saratoga - W Valley Coll. (1989)	6.93	9.31	0.31	50.48
220	Loma Prieta, Saratoga - W Valley Coll. (1989)	6.93	9.31	0.40	77.90
221	Christchurch New Zealand, Pages Road Pumping Station (2011)	6.20	1.98	0.72	97.53
222	Christchurch New Zealand, Pages Road Pumping Station (2011) Christchurch New Zealand, Christchurch Roathayon	6.20	1.98	0.80	115.98
223224	Christchurch New Zealand, Christchurch Resthaven (2011) Christchurch New Zealand, Christchurch Resthaven	6.20 6.20	5.13 5.13	0.45 0.86	57.91 103.89
22 4	(2011)	0.20	J.1J	0.00	103.05

No.	Record	M*	CDR** (km)	PGA (g)	PGV (cm/s)
225	El Mayor-Cucapah Mexico, El Centro Array #12 (2010)	7.20	11.26	0.49	84.19
226	El Mayor-Cucapah Mexico, El Centro Array #12 (2010)	7.20	11.26	0.49	87.13
227	Duzce Turkey, IRIGM 487 (1999)	7.14	2.65	0.34	34.76
228	Duzce Turkey, IRIGM 487 (1999)	7.14	2.65	0.36	46.74
229	Cape Mendocino, Petrolia (1992)	7.01	8.18	0.71	59.19
230	Cape Mendocino, Petrolia (1992)	7.01	8.18	0.79	106.21
231	El Mayor-Cucapah_ Mexico, Westside Elementary School (2010)	7.20	11.44	0.34	62.46
232	El Mayor-Cucapah_ Mexico, Westside Elementary School (2010)	7.20	11.44	0.31	66.26
233	Landers, Lucerne (1992)	7.28	2.19	0.95	33.73
234	Northridge-01, Jensen Filter Plant Administrative Building (1994)	6.69	5.43	0.49	133.76
235	Northridge-01, Jensen Filter Plant Administrative Building (1994)	6.69	5.43	0.74	116.83
236	Northridge-01, Jensen Filter Plant Generator Building (1994)	6.69	5.43	0.69	91.36
237	Northridge-01, Jensen Filter Plant Generator Building (1994)	6.69	5.43	1.19	80.82
238	Imperial Valley-06, El Centro Array #4 (1979)	6.53	7.05	0.57	48.15
239	Imperial Valley-06, EC County Center FF (1979)	6.53	7.31	0.22	65.37
240	Imperial Valley-06, EC County Center FF (1979)	6.53	7.31	0.27	51.54
241	Loma Prieta, LGPC (1989)	6.93	3.88	0.94	116.35
242	Loma Prieta, LGPC (1989)	6.93	3.88	0.64	86.55
243	Landers, Lucerne (1992)	7.28	2.19	0.97	57.97
244	Northridge-01, Newhall - Fire Sta (1994)	6.69	5.92	0.87	144.11
245	Northridge-01, Newhall - Fire Sta (1994)	6.69	5.92	0.78	59.85
246	Northridge-01, Rinaldi Receiving Sta (1994)	6.69	6.50	1.04	200.52
247	Northridge-01, Rinaldi Receiving Sta (1994)	6.69	6.50	0.51	75.05
248	Northridge-01, Sylmar - Converter Sta (1994)	6.69	5.35	0.95	111.95
249	Imperial Valley-06, EC Meloland Overpass FF (1979)	6.53	0.07	0.45	138.02
250	Imperial Valley-06, EC Meloland Overpass FF (1979)	6.53	0.07	0.32	32.77
251	Chi-Chi, Taiwan, CHY028 (1999)	7.62	3.14	0.80	93.18
252	Chi-Chi, Taiwan, CHY028 (1999)	7.62	3.14	1.02	80.30
253	Chi-Chi, Taiwan, TCU075 (1999)	7.62	0.91	0.33	45.13
254	Chi-Chi, Taiwan, TCU102 (1999)	7.62	1.51	0.35	130.84
255	Imperial Valley-06, El Centro Array #5 (1979)	6.53	3.95	0.63	58.79
256	Imperial Valley-06, El Centro Array #6 (1979)	6.53	1.35	0.53	134.19
257	Imperial Valley-06, El Centro Array #6 (1979)	6.53	1.35	0.48	77.60
258	Imperial Valley-06, El Centro Array #7 (1979)	6.53	0.56	0.55	130.54
259	Imperial Valley-06, El Centro Array #7 (1979)	6.53	0.56	0.40	53.43
260	Imperial Valley-06, El Centro Array #8 (1979)	6.53	3.86	0.56	58.28
261	Imperial Valley-06, El Centro Array #8 (1979)	6.53	3.86	0.71	62.35
262	Imperial Valley-06, El Centro Differential Array (1979)	6.53	5.09	0.50	71.52
263	Imperial Valley-06, El Centro Differential Array (1979)	6.53	5.09	0.53	61.67
264	Morgan Hill, Coyote Lake Dam (SW Abut) (1984)	6.19	0.53	0.98	74.75
265	Morgan Hill, Coyote Lake Dam (SW Abut) (1984)	6.19	0.53	1.30	84.19

^{*}M - Magnitude, **CDR - Closest Distance to Rupture