Appendix C

The "combined" record selection used in Chapters 4 and 5(part I):

N.	Earthquake	Station	Componen	M_w	R (km)
1	Cape Mendocino, 1992	Fotuna Blvd.	0	7.1	23.6
2	Chalfant Valley, 1986	Mc. Gee Greek	270	6.2	36.3
3	Coalinga, 05/09/1983	8 Sub (temp)	90	5	14.5*
4	Coalinga, 05/02/1983	Parkfield, Zone 3	90	6.4	36.4
5	Hollister, 01/26/1986	Hollister, Diff Array #1	125.5	5.4	16.9*
6	Imperial Valley, 10/15/1979	El Cenntro Array #12	230	6.5	18.2
7	Landers, 06/28/1992	Barstow	0	7.3	36.1
8	Livermore, 01/24/1980	San Ramon, Eastman Kodak	180	5.8	17.6
9	Loma Prieta, 10/18/1989	Coyote Lake Dam, DOWN	195	6.9	22.3
10	San Fernando, 02/09/1971	Whittier Narrows Dam	233	6.6	45.1
11	Morgan Hill, 04/24/1984	Hollister, Diff Array #3	165	6.2	28.3
12	Mt .Lewis, 03/31/1986	Halls Valley	90	5.6	15.5*
13	Northridge, 01/17/1994	LA, Saturn St.	20	6.7	30
14	N. Palm Springs, 07/08/1986	Indio	315	6	39.6
15	San Fernando, 02/09/1971	Terminal Island	249	6.6	69.2
16	Superstition Hills(A), 11/24/	Wildlife Liquefaction Array	360	6.3	24.7
17	Whittier Narrows, 10/01/198	Castlegate St.	0	6	16.9
18	Loma Prieta, 10/18/1989	Agnews State Hospital	90	6.9	28.2
19	Northridge, 01/17/1994	24303 LA - Hollywood	90	6.7	25.5
20	Imperial Valley, 10/15/1979	Compuertas	285	6.5	32.6
21	Imperial Valley, 10/15/1979	Plaster City	135	6.5	31.7
22	Morgan Hill, 04/24/1984	Hollister, Diff Array	255	6.2	28.3
23	Kern County, 07/21/1952	LA, Hollywood Stor Lot	180	7.4	120.5
24	Loma Prieta, 10/18/1989	Anderson Dam	270	6.9	21.4
25	Loma Prieta, 10/18/1989	Coyote Lake Dam	285	6.9	22.3
26	Imperial Valley, 10/15/1979	El Centro Array #12	140	6.5	18.2
27	Imperial Valley, 10/15/1979	Cucapah	85	6.5	23.6
28	Northridge, 01/17/1994	LA, Hollywood Stor FF	360	6.7	25.5
29	Loma Prieta, 10/18/1989	Sunnyvale, Colton Ave.	270	6.9	28.8
30	Loma Prieta, 10/18/1989	Anderson Dam	360	6.9	21.4
31	Imperial Valley, 10/15/1979	Chihuahua	12	6.5	28.7
32	Imperial Valley, 10/15/1979	El Centro Array #13	140	6.5	21.9
33	Imperial Valley, 10/15/1979	Westmorland Fire Station	90	6.5	15.1
34	Loma Prieta, 10/18/1989	Hollister South & Pine	0	6.9	28.8
35	Loma Prieta, 10/18/1989	Sunnyvale, Colton Ave.	360	6.9	28.8
36	Superstition Hills, 11/24/198	Wildlife Liquefaction Array	90	6.7	24.4
37	Imperial Valley, 10/15/1979	Chihuahua	282	6.5	28.7
38	Imperial Valley, 10/15/1979	El Centro Array #13	230	6.5	21.9
39	Imperial Valley, 10/15/1979	Westmorland Fire Station	180	6.5	15.1
40	Mt .Lewis, 03/31/1986	Halls Valley	90	5.6	15.5*
41	Loma Prieta, 10/18/1989	Waho	0	6.9	16.9
42	Superstition Hills, 11/24/198	Wildlife Liquefaction Array	360	6.7	24.4
43	Imperial Valley, 10/15/1979	Compuertas	15	6.5	32.6
44	Imperial Valley, 10/15/1979	Plaster City	45	6.5	31.7
45	Morgan Hill, 04/24/1984	Hollister, Diff Array	165	6.2	28.3
46	Kern County, 07/21/1952	Holywood Stor Lot	90	7.4	120.5
47	Loma Prieta, 10/18/1989	Waho	90	6.9	16.9

*Hypocentral distance instead of closest distance.

The "Combined" Record Selection (part II)

N.	PGA (g)	PGV (cm/sec)	PGD (cm)	Mechanism	HP (H	LP (Hz)	Site So	Hanging Wall
1	0.116	30	27.59	reverse	0.07	23	B	unknown
2	0.078	2.3	0.65	strike-slip	0.1	50	_	NA
3	0.216	12.2	1.42	reverse	0.1	40	_	unknown
4	0.164	24.5	4.94	reverse-oblique	0.1	22	_	unknown
5	0.101	9.3	1.95	strike-slip	0.1	45	_	NA
6	0.116	21.8	12.06	strike-slip	0.1	40	C	NA
7	0.132	21.9	20.59	strike-slip	0.07	23	B	unknown
8	0.154	18.9	6.13	strike-slip	0.08	20	C	NA
9	0.16	13	6.11	reverse-oblique	0.1	30	IHD-B	Foot Wall
10	0.107	9.8	5.04	reverse	0.1	20	IQD	unkown
11	0.078	7.2	1.47	strike-slip	0.1	30	IQD	NA
12	0.159	18.4	4.4	unknown	0.1	20	_	unknown
13	0.474	34.6	6.55	reverse	0.1	30	C	unknown
14	0.117	12.3	3.62	reverse-oblique	0.1	35	_	unknown
15	0.029	9.6	8.25	reverse	0.1	20	C	unknown
16	0.134	13.4	5.2	strike-slip	0.2	50	IQD	NA
17	0.332	27.1	5.04	reverse	0.09	25	C	unknown
18	0.159	17.6	9.75	reverse-oblique	0.2	30	_	unknown
19	0.231	18.3	4.81	reverse	0.2	23	IPD	unknown
20	0.147	9.5	2.49	strike-slip	0.2	_	_	NA
21	0.057	5.4	1.94	strike-slip	0.1	40	_	NA
22	0.088	11.9	1.89	strike-slip	0.2	23	_	NA
23	0.058	6.2	1.86	reverse-oblique	0.2	13	_	unknown
24	0.244	20.3	7.73	reverse-oblique	0.2	41	B	unknown
25	0.179	22.6	13.2	reverse-oblique	0.1	29	IHD	Footwall
26	0.143	17.6	11.3	strike-slip	0.1	40	C	NA
27	0.309	36.3	10.44	strike-slip	0.05	_	C	NA
28	0.358	27.5	3.04	reverse	0.2	23	_	unknown
29	0.207	37.3	19.11	reverse-oblique	0.1	40	C	unknown
30	0.24	18.4	6.73	reverse-oblique	0.2	40	_	unknown
31	0.27	24.9	9.08	strike-slip	0.05	_	C	NA
32	0.117	14.7	7.33	strike-slip	0.2	40	C	NA
33	0.074	21.2	16.59	strike-slip	0.1	40	C	NA
34	0.371	62.4	30.28	reverse-oblique	0.1	29	_	unknown
35	0.209	36	16.9	reverse-oblique	0.1	32	_	unknown
36	0.181	29.9	19.9	strike-slip	0.1	50	_	NA
37	0.254	30.1	12.89	strike-slip	0.05	_	_	NA
38	0.139	13	5.84	strike-slip	0.2	40	_	NA
39	0.11	21.9	10	strike-slip	0.1	40	_	NA
40	0.159	18.4	4.4	unknown	0.1	20	_	unknown
41	0.37	27.2	3.84	reverse-oblique	0.1	_	_	unknown
42	0.207	34.5	21	strike-slip	0.1	40	_	NA
43	0.186	13.9	2.92	strike-slip	0.2	_	C	NA
44	0.042	3.2	1.34	strike-slip	0.1	40	C	NA
45	0.089	8.7	1.72	strike-slip	0.2	29	_	NA
46	0.042	7.5	4.79	reverse-oblique	0.2	15	C	NA
47	0.638	38	5.85	reverse-oblique	0.1	_	_	unknown