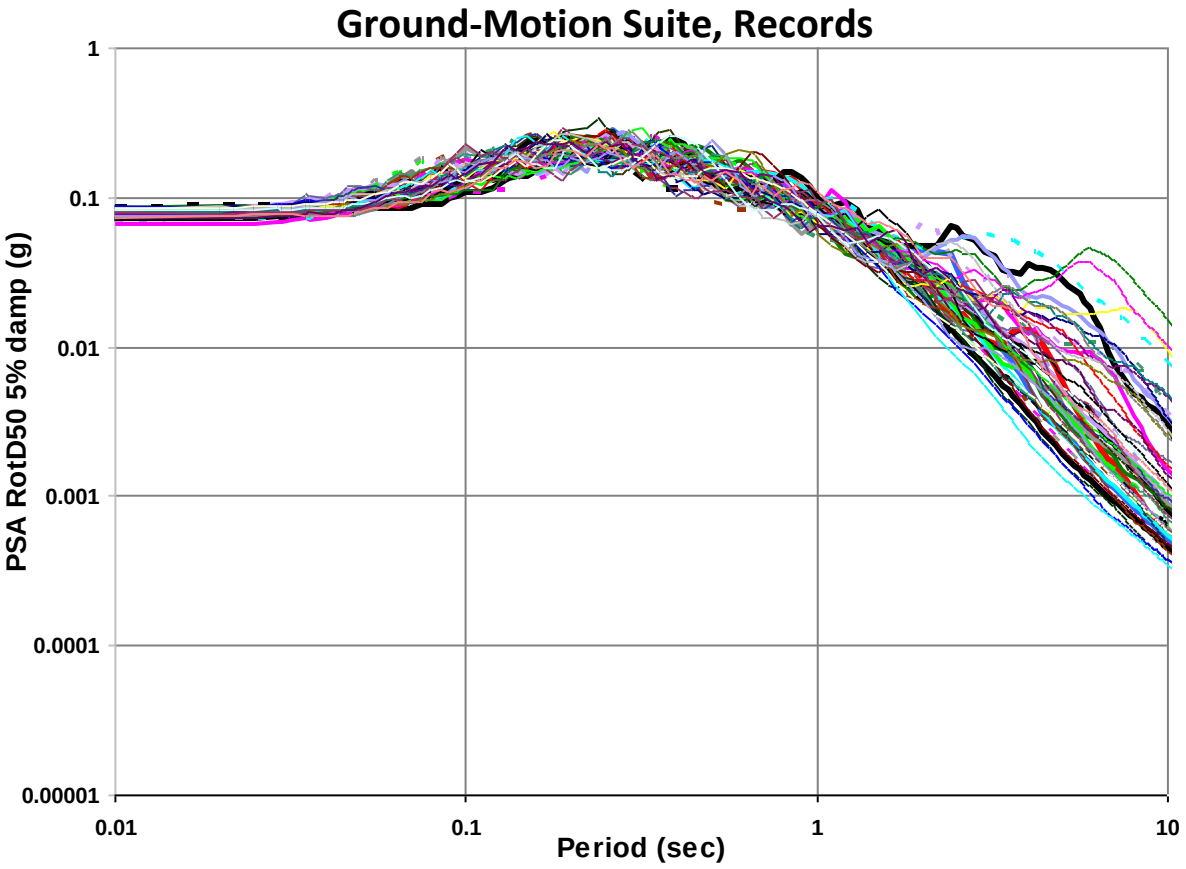
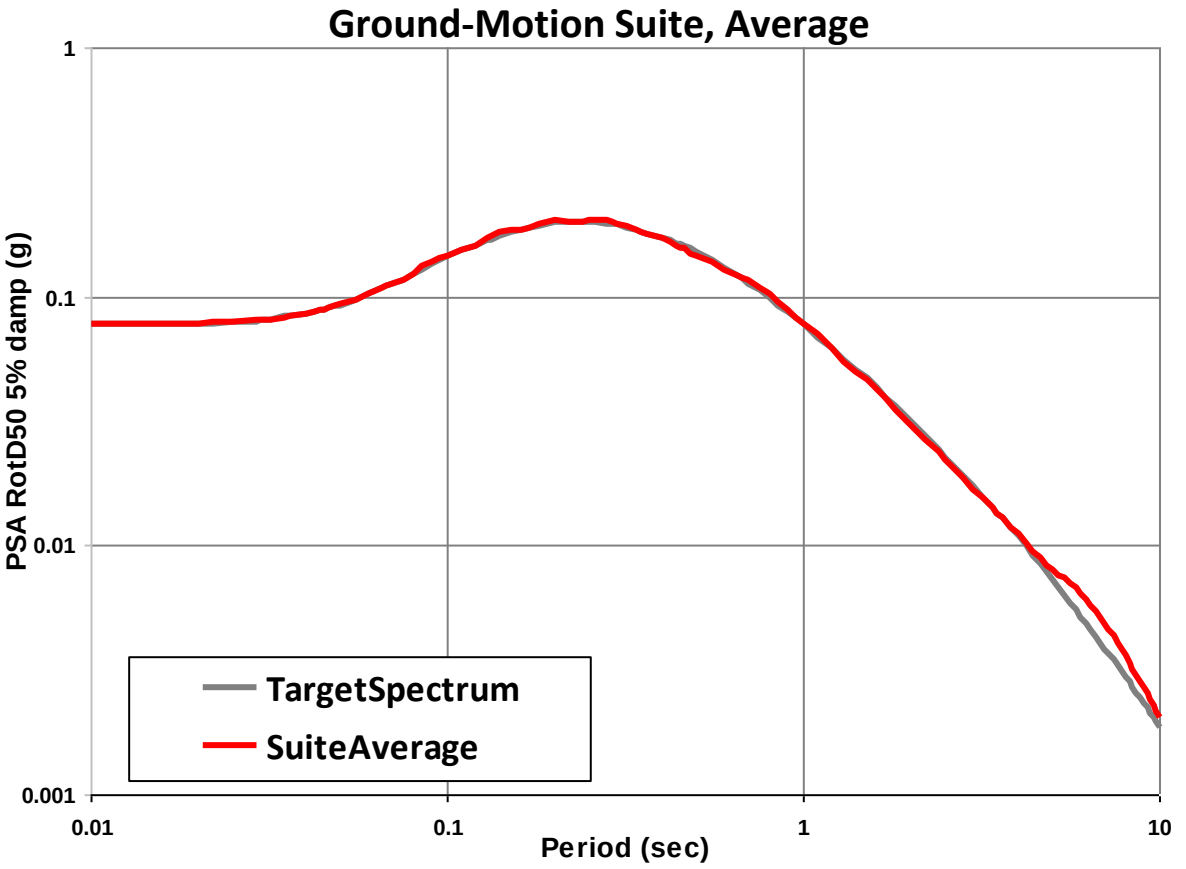
Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	1.75	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	0.3	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.36	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
147	Coyote Lake Gilroy Array #2 1979	5.74	8	270.84	strike slip	1.4	0.3	RSN147_COYOTELK_G02050.AT2 RSN147_COYOTELK_G02140.AT2 RSN147_COYOTELK_G02-UP.AT2
154	Coyote Lake San Juan Bautista, 24 Polk St 1979	5.74	19	335.5	strike slip	6.1	0.85	RSN154_COYOTELK_SJB213.AT2 RSN154_COYOTELK_SJB303.AT2 RSN154_COYOTELK_SJB-UP.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.34	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.39	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.3	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.46	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.05	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.23	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
298	Irpinia, Italy-02 Bovino 1980	6.2	44	356.39	Normal	9.6	2.56	RSN298_ITALY_B-BOV000.AT2 RSN298_ITALY_B-BOV270.AT2 RSN298_ITALY_B-BOV-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	0.46	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A
457	Morgan Hill Gilroy Array #3 1984	6.19	13	349.85	strike slip	6.5	0.43	RSN457_MORGAN_G03000.AT2 RSN457_MORGAN_G03090.AT2 RSN457_MORGAN_G03-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	0.72	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.36	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.29	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
634	Whittier Narrows-01 LA - Fletcher Dr 1987	5.99	11	329.06	Reverse O	2.8	0.37	RSN634_WHITTIER.A_A-FLE144.AT2 RSN634_WHITTIER.A_A-FLE234.AT2 RSN634_WHITTIER.A_A-FLE-UP.AT2
674	Whittier Narrows-01 Pasadena - Brown Gym 1987	5.99	4	341.14	Reverse O	3.3	0.52	RSN674_WHITTIER.A_A-BRG180.AT2 RSN674_WHITTIER.A_A-BRG270.AT2 RSN674_WHITTIER.A_A-BRG-UP.AT2
739	Loma Prieta Anderson Dam (Downstream) 1989	6.93	20	488.77	Reverse O	5.2	0.32	RSN739_LOMAP_AND250.AT2 RSN739_LOMAP_AND340.AT2 RSN739_LOMAP_AND-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.53	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	0.61	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
964	Northridge-01 Compton - Castlegate St 1994	6.69	43	266.9	Reverse	11.4	0.72	RSN964_NORTHR_CAS000.AT2 RSN964_NORTHR_CAS270.AT2 RSN964_NORTHR_CAS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.32	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.7	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2

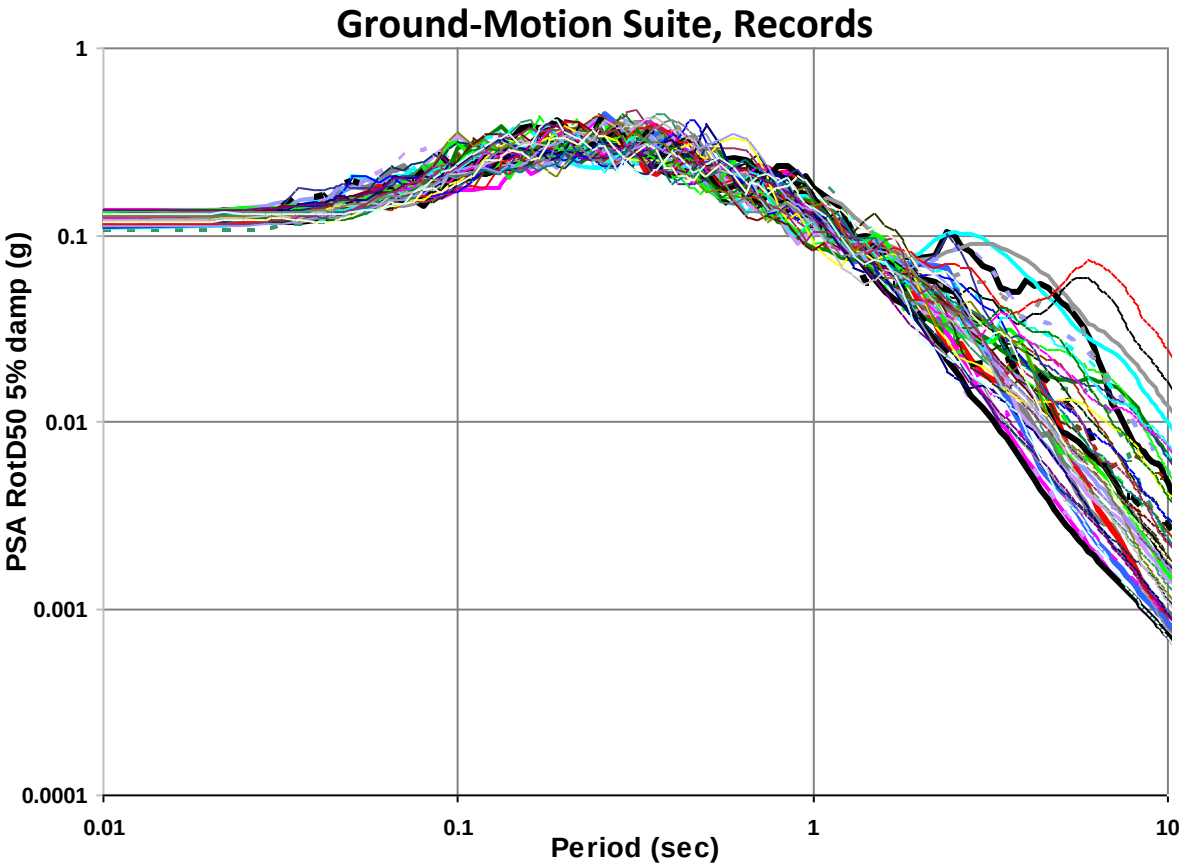
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.44	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	0.71	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.34	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.48	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.6	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.27	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	2.87	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.4	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.62	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3710	Whittier Narrows-02 LA - E Vernon Ave 1987	5.27	12	283.14	Reverse O	4.7	0.77	RSN3710_WHITTIER.B_B-VER083.AT2 RSN3710_WHITTIER.B_B-VER173.AT2 RSN3710_WHITTIER.B_B-VER-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.46	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.3	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.31	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

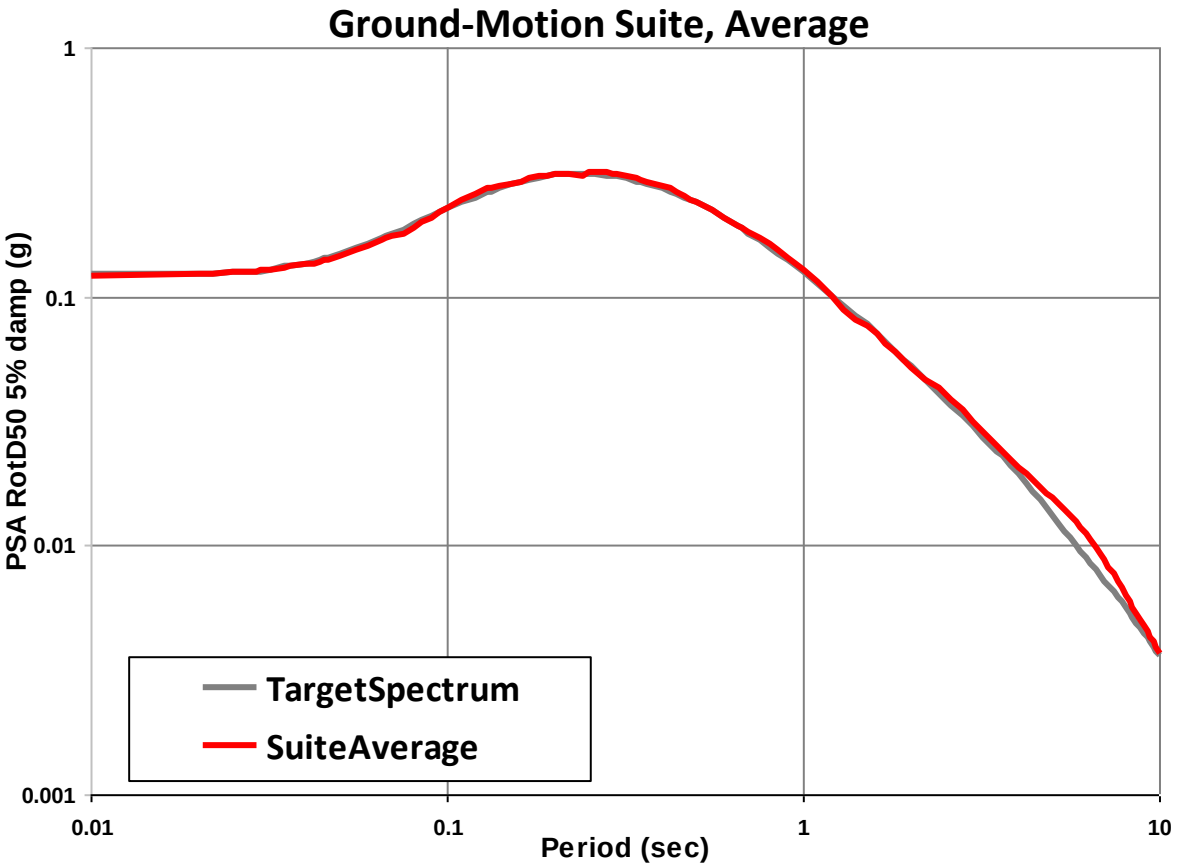
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.29	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4129	Parkfield-02, CA PARKFIELD - TEMBLOR 2004	6	12	524.69	strike slip	3.6	0.81	RSN4129_PARK2004_36510-90.AT2 RSN4129_PARK2004_36510360.AT2 RSN4129_PARK2004_36510-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.25	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.51	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4440	Friuli (aftershock 13), Italy Buia 1976	5.9	-999	310.68	Reverse	4.6	0.86	RSN4440_FRIULI.P1_Z-BUI-NS.AT2 RSN4440_FRIULI.P1_Z-BUI-WE.AT2 RSN4440_FRIULI.P1_Z-BUI-VT.AT2
5990	El Mayor-Cucapah El Centro Array #7 2010	7.2	27	210.51	strike slip	16.5	0.31	RSN5990_SIERRA.MEX_E07360.AT2 RSN5990_SIERRA.MEX_E07090.AT2 RSN5990_SIERRA.MEX_E07-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.4	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.29	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.49	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8062	Christchurch, New Zealand Canterbury Aero Club 2011	6.2	14	280.26	Reverse O	3.8	0.44	RSN8062_CCHURCH_CACSN40E.AT2 RSN8062_CCHURCH_CACSN50W.AT2 RSN8062_CCHURCH_CACSUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	0.87	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.29	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.64	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

8886	14383980	5.39	2	378.17	Reverse O	1.9	0.81	RSN8886_14383980_13882360.AT2
	Olinda - Carbon Canyon Rd							RSN8886_14383980_13882090.AT2
	2008							RSN8886_14383980_13882-UP.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

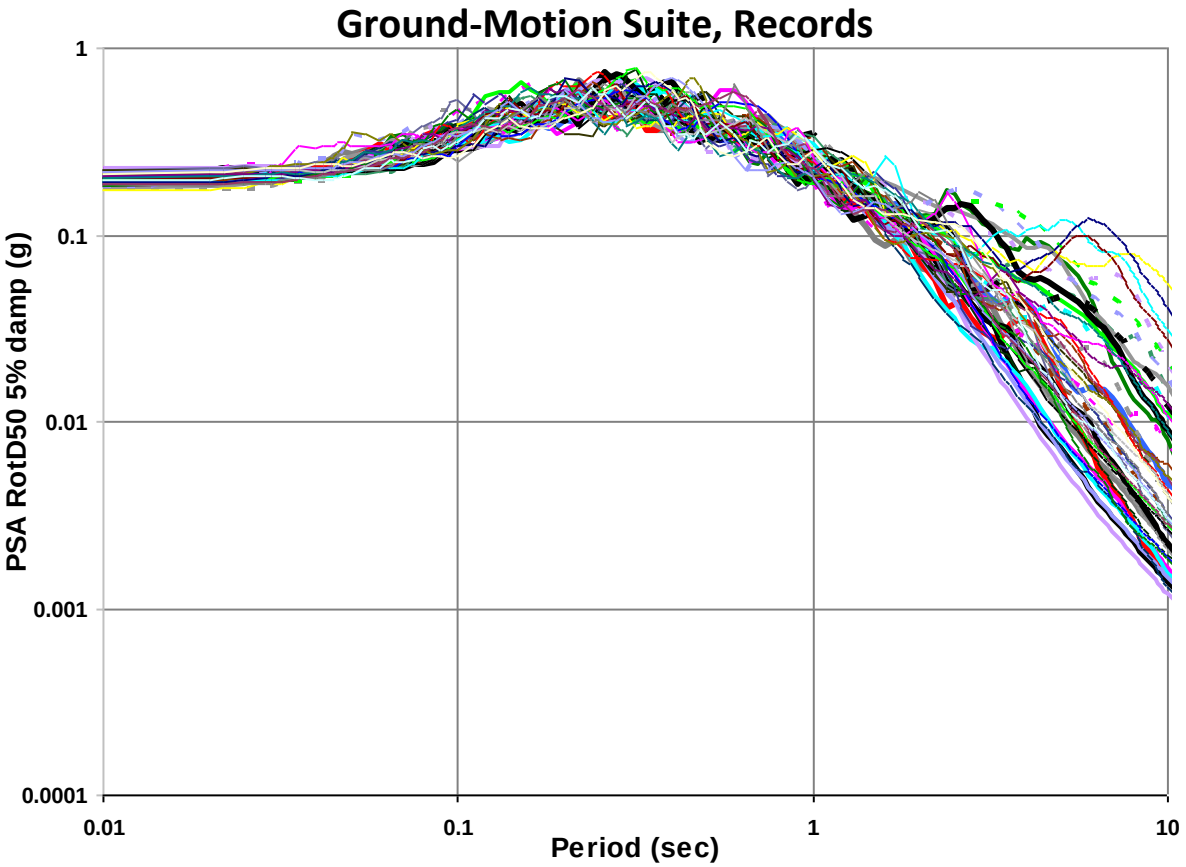
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	2.78	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.34	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.57	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.37	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.53	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.62	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.26	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.27	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.48	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	1.39	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.74	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.66	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A

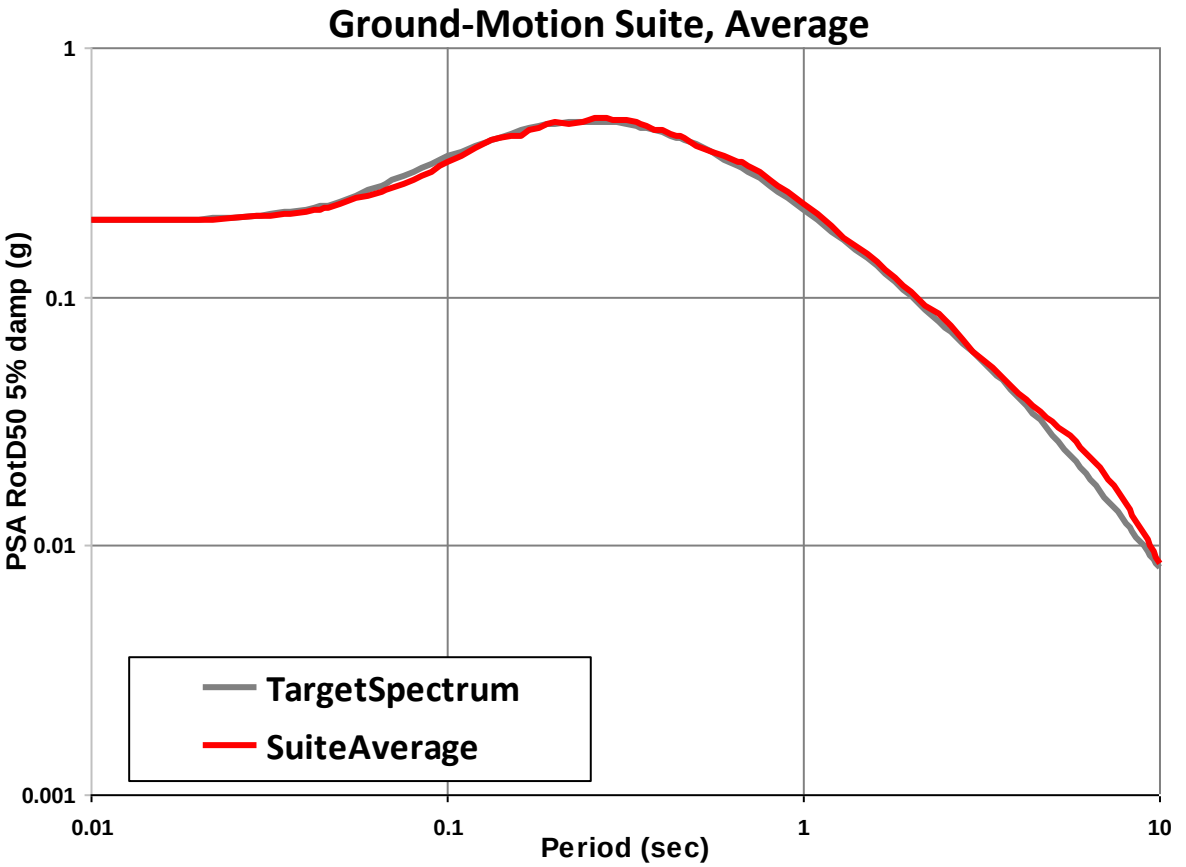
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.95	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.15	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.58	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.46	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
739	Loma Prieta Anderson Dam (Downstream) 1989	6.93	20	488.77	Reverse O	5.2	0.5	RSN739_LOMAP_AND250.AT2 RSN739_LOMAP_AND340.AT2 RSN739_LOMAP_AND-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.84	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	0.96	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
767	Loma Prieta Gilroy Array #3 1989	6.93	12	349.85	Reverse O	2.3	0.26	RSN767_LOMAP_G03000.AT2 RSN767_LOMAP_G03090.AT2 RSN767_LOMAP_G03-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.39	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.28	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
964	Northridge-01 Compton - Castlegate St 1994	6.69	43	266.9	Reverse	11.4	1.14	RSN964_NORTHR_CAS000.AT2 RSN964_NORTHR_CAS270.AT2 RSN964_NORTHR_CAS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.5	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.39	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	1.1	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.7	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.12	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.35	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.76	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.95	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.44	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.64	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.37	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.99	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.73	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.47	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.5	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.47	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.4	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.35	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.25	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.64	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.46	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.78	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	1.37	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.46	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	1.02	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	1.28	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

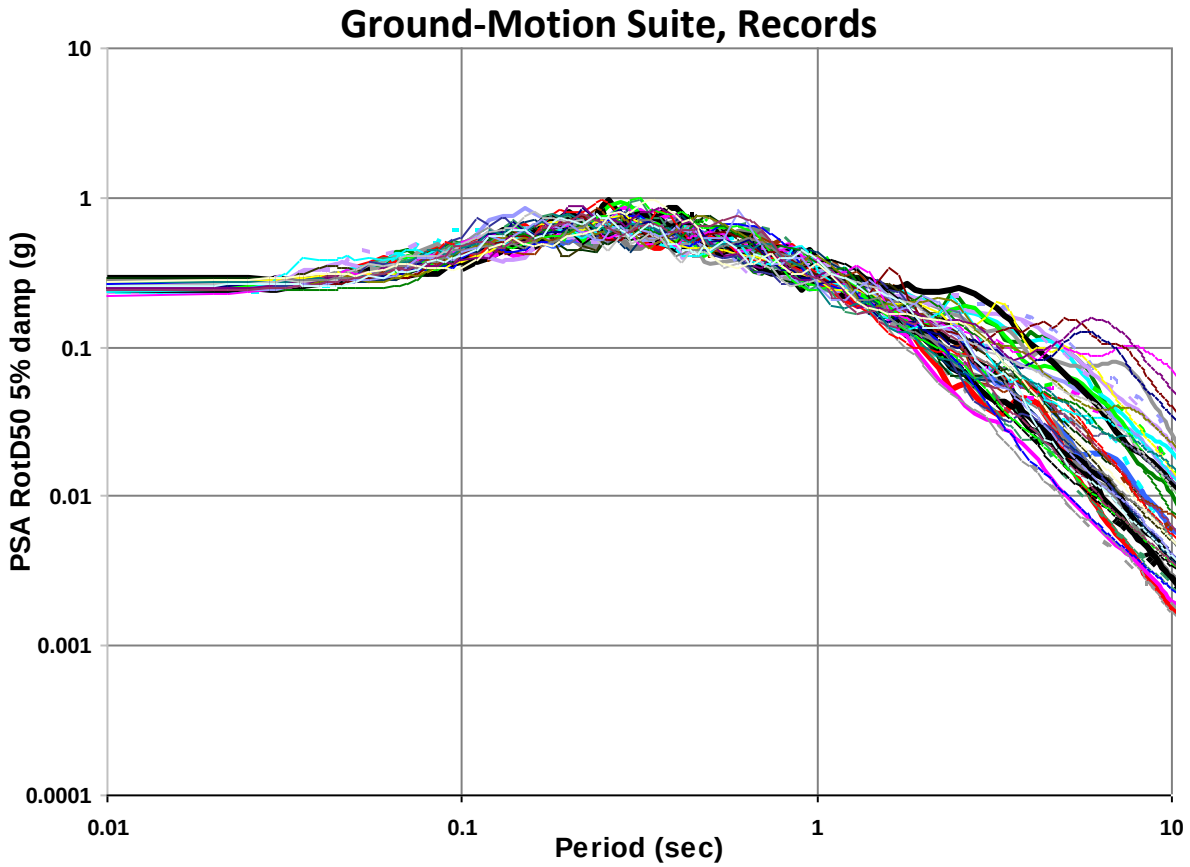
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.24	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.96	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
136	Santa Barbara Santa Barbara Courthouse 1978	5.92	0	514.99	Reverse O	2.8	1.52	RSN136_SBARB_SBA132.AT2 RSN136_SBARB_SBA222.AT2 RSN136_SBARB_SBA-UP.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.62	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	0.88	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.01	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.04	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.4	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.44	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.45	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.81	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	3.29	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2

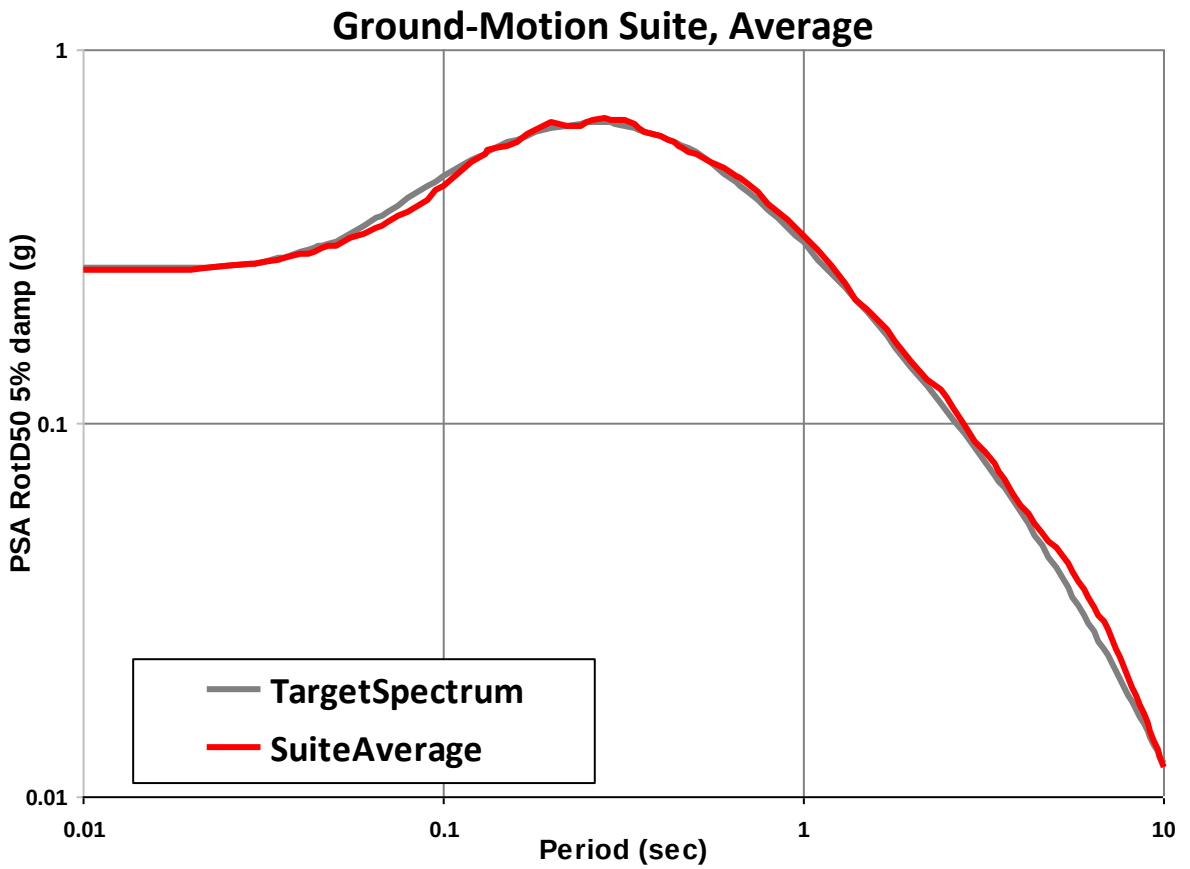
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.83	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.93	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.45	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.97	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.78	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.36	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.41	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	0.54	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.65	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.51	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.47	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.28	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.84	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.28	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.18	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.53	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.89	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.92	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.58	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.28	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1190	Chi-Chi, Taiwan CHY019 1999	7.62	50	497.53	Reverse O	24.5	3.36	RSN1190_CHICHI_CHY019-N.AT2 RSN1190_CHICHI_CHY019-W.AT2 RSN1190_CHICHI_CHY019-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.6	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.73	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.07	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.78	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.84	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.96	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.26	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	1.47	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.67	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.59	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.81	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.43	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.69	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.08	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.35	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.78	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

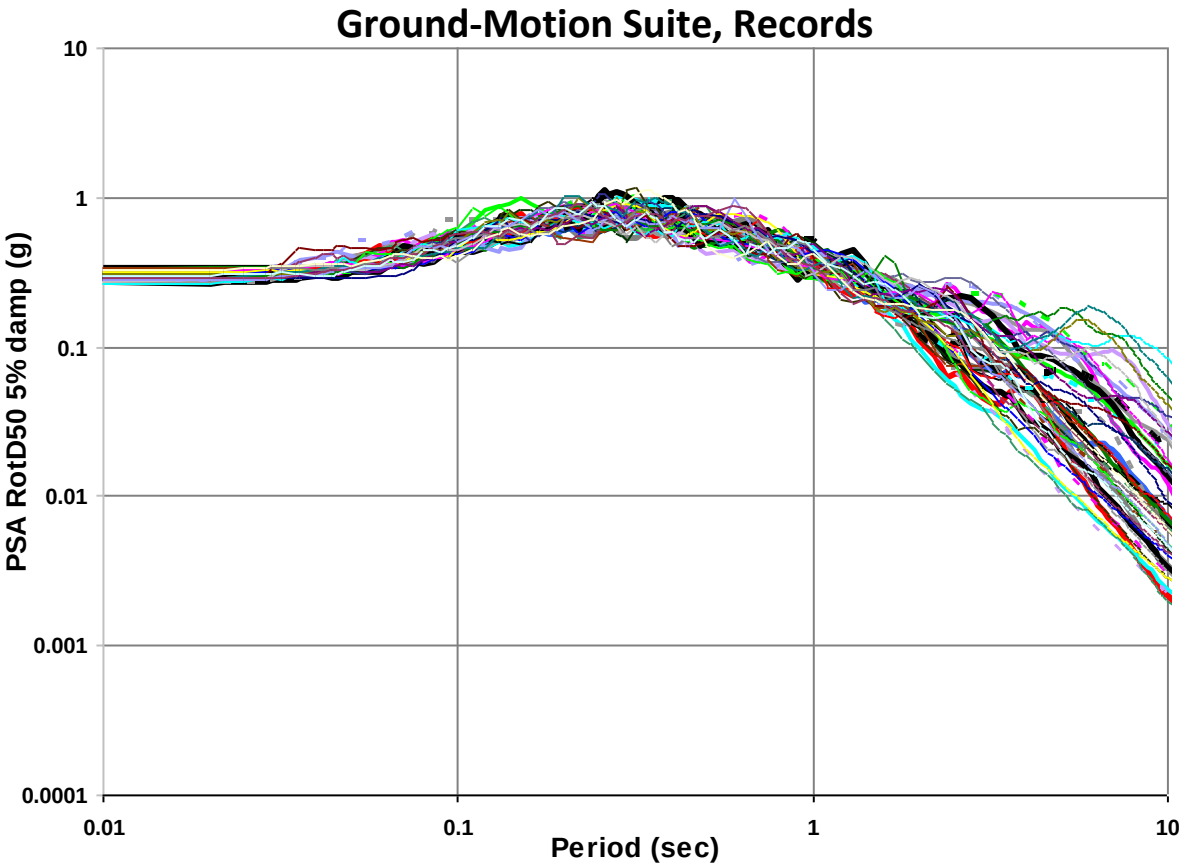
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.03	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.59	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	2.36	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	1.13	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.3	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.34	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.8	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.68	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.57	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.58	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.04	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	0.84	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2

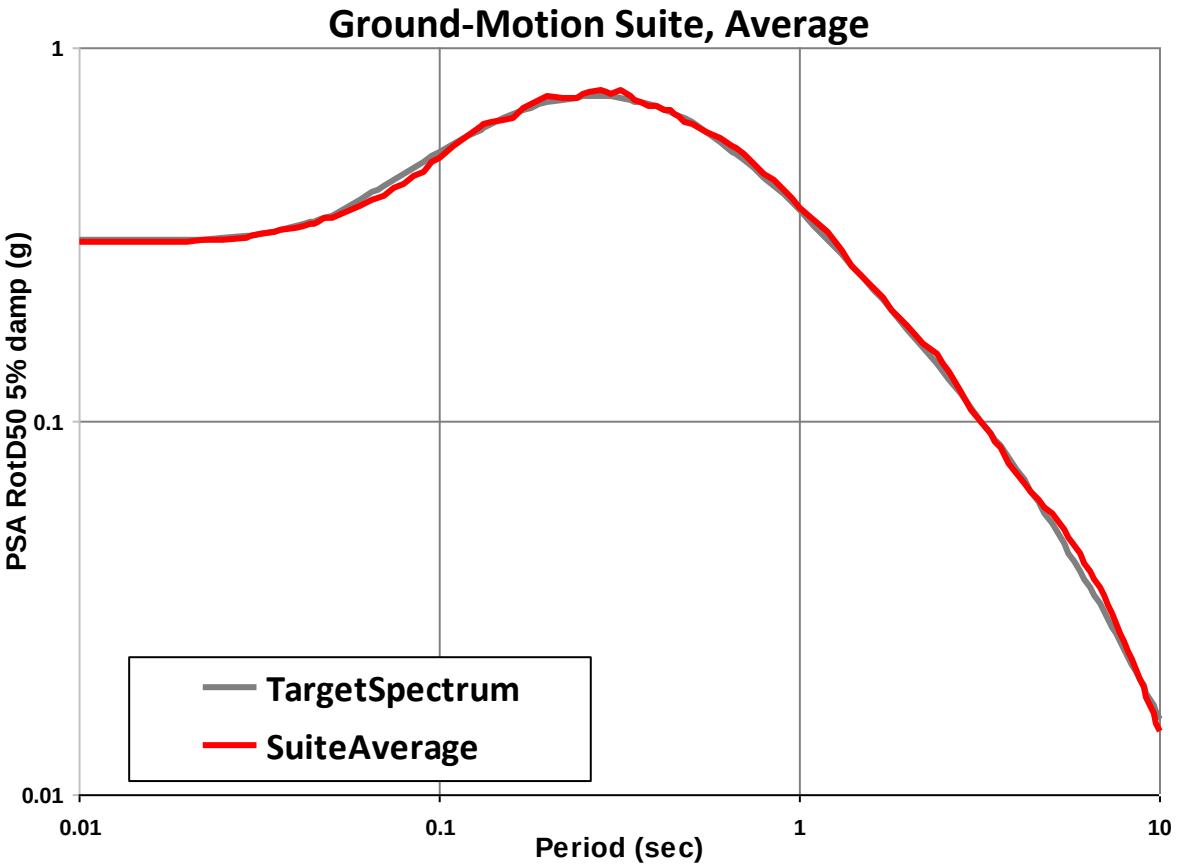
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.07	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.49	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.86	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.25	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	1	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.46	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.81	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	0.7	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.84	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.65	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.6	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.36	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.08	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	1.96	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.52	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.96	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.18	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.75	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.41	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.65	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.94	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.38	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.29	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	3.05	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.08	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.24	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.34	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	1.89	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.15	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.86	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.76	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2.17	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.05	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.55	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.89	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.39	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.01	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.01	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

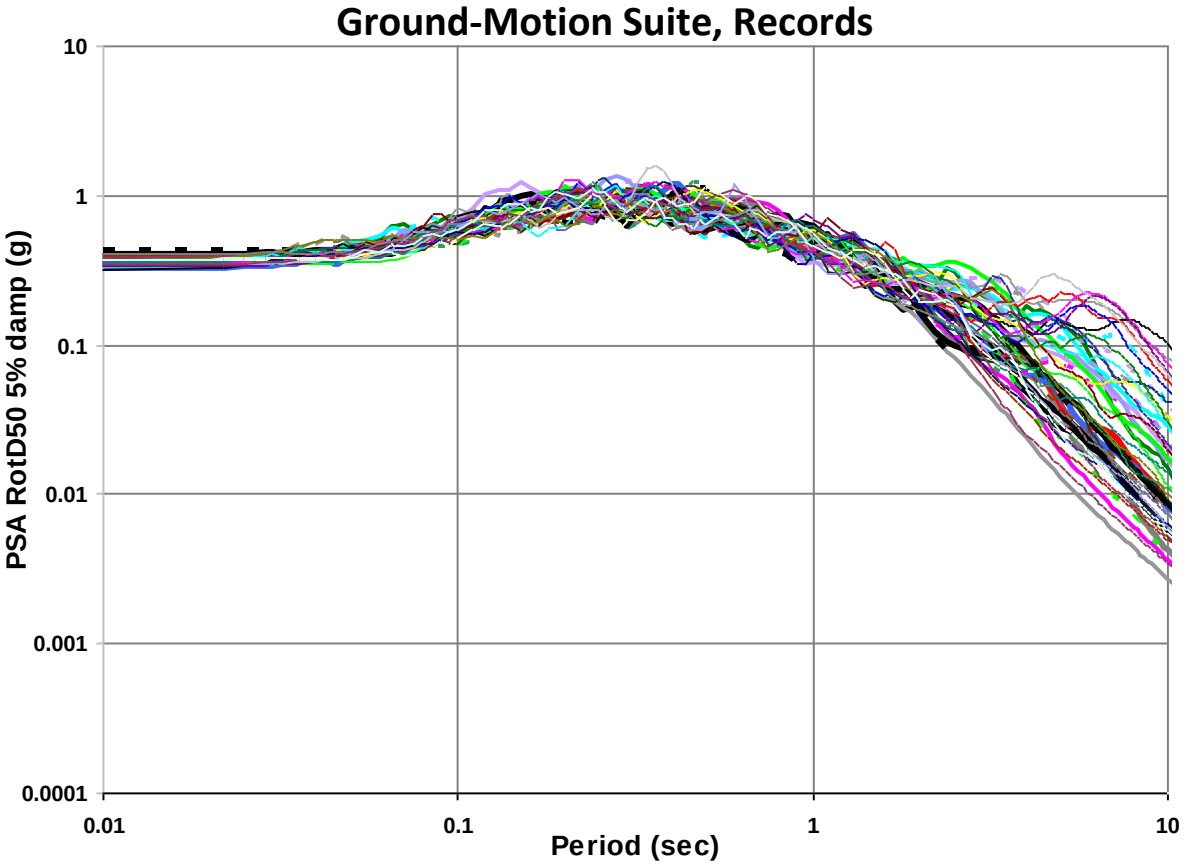
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.22	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.87	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	2.78	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	1.33	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.54	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.58	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.12	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.8	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.67	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.68	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.22	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	0.99	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2

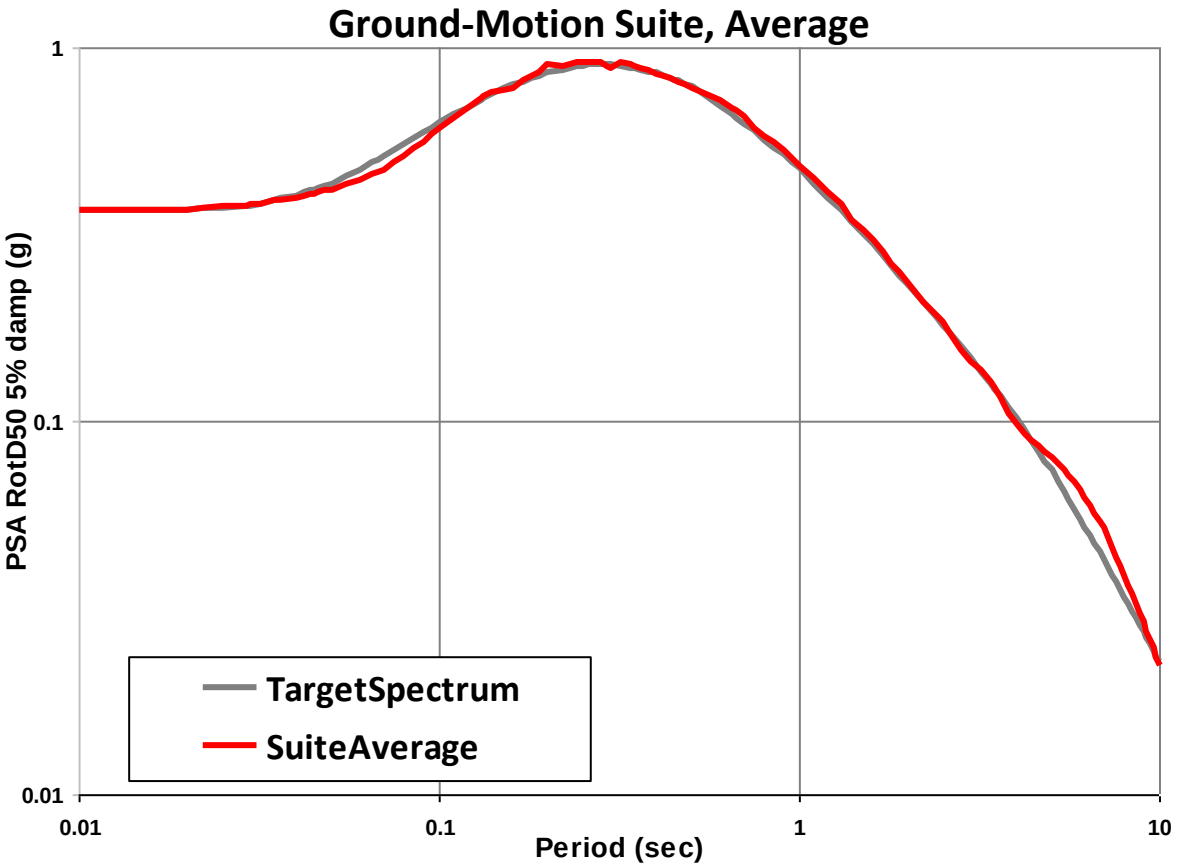
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.26	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.93	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.19	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.54	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.05	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.99	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.77	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.71	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.43	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.27	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.3	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.8	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.31	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.39	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.89	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.48	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.46	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.95	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.11	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.62	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.7	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	3.6	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.27	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.46	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.4	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.23	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.35	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4757	Wenchuan, China Dayiyinping 2008	7.9	29	378.93	Reverse O	53.2	2.1	RSN4757_WENCHUAN_UA0921.AT2 RSN4757_WENCHUAN_UA0920.AT2 RSN4757_WENCHUAN_UA0919.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.01	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.9	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2.55	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.23	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.65	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.05	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.63	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.19	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.18	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.5	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	2.3	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	3.42	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.89	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.6	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.98	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.84	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.51	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.22	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.54	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.69	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.67	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2

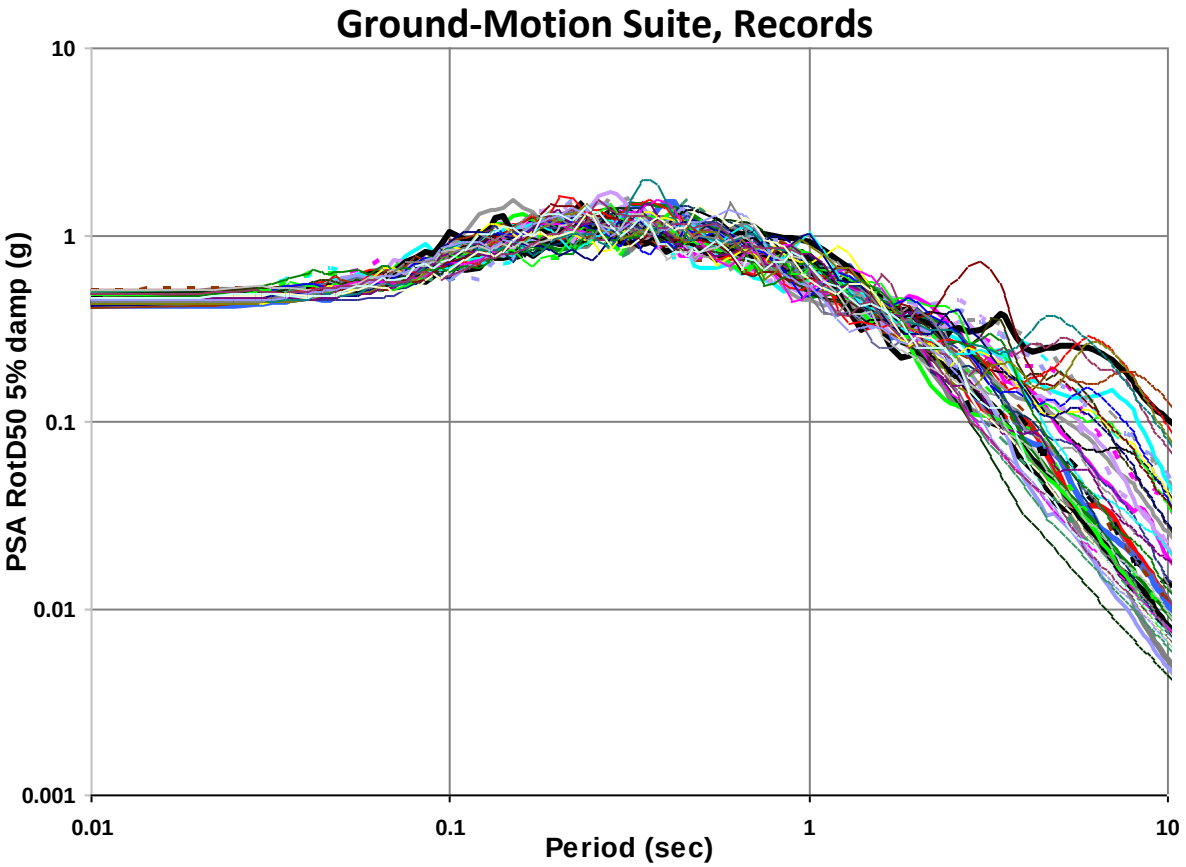
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.29	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.04	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	2.31	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.21	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.95	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.87	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	2.05	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.57	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.83	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.84	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.09	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.59	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.57	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2

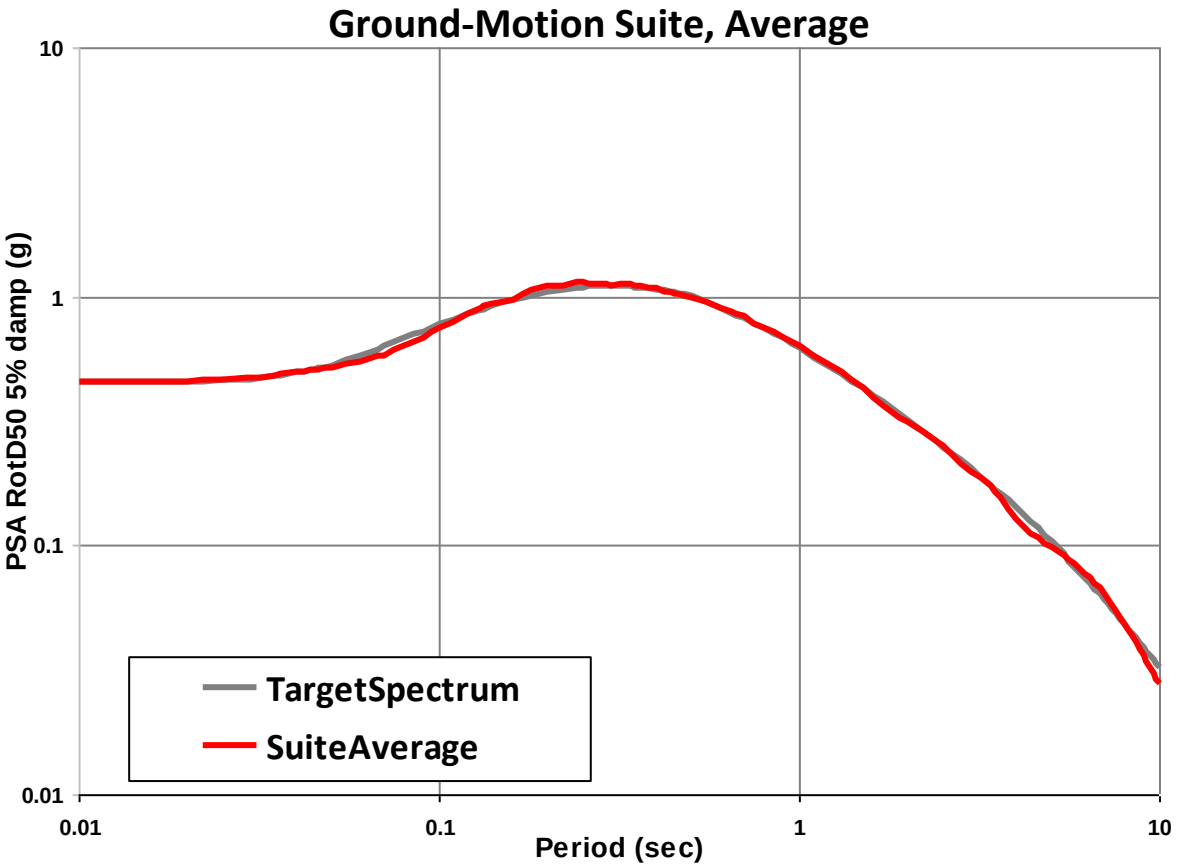
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.39	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.57	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.37	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	3.32	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.79	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.74	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.66	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4716	Wenchuan, China Deyangbaima 2008	7.9	30	418.21	Reverse O	36.9	2.8	RSN4716_WENCHUAN_UA0777.AT2 RSN4716_WENCHUAN_UA0775.AT2 RSN4716_WENCHUAN_UA0776.AT2
4757	Wenchuan, China Dayiyinping 2008	7.9	29	378.93	Reverse O	53.2	2.58	RSN4757_WENCHUAN_UA0921.AT2 RSN4757_WENCHUAN_UA0920.AT2 RSN4757_WENCHUAN_UA0919.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.25	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.1	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.39	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2

Site	01 Oakland
Site Vs30 (m/s)	270
Return Period (yr)	150

5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	3.14	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.51	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.29	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	2.01	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.46	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.46	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	0.76	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6930	Darfield, New Zealand LRSC 2010	7	9	295.74	strike slip	12.2	3.72	RSN6930_DARFIELD_LRSCN49W.AT2 RSN6930_DARFIELD_LRSCS41W.AT2 RSN6930_DARFIELD_LRSCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	0.77	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.03	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.29	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

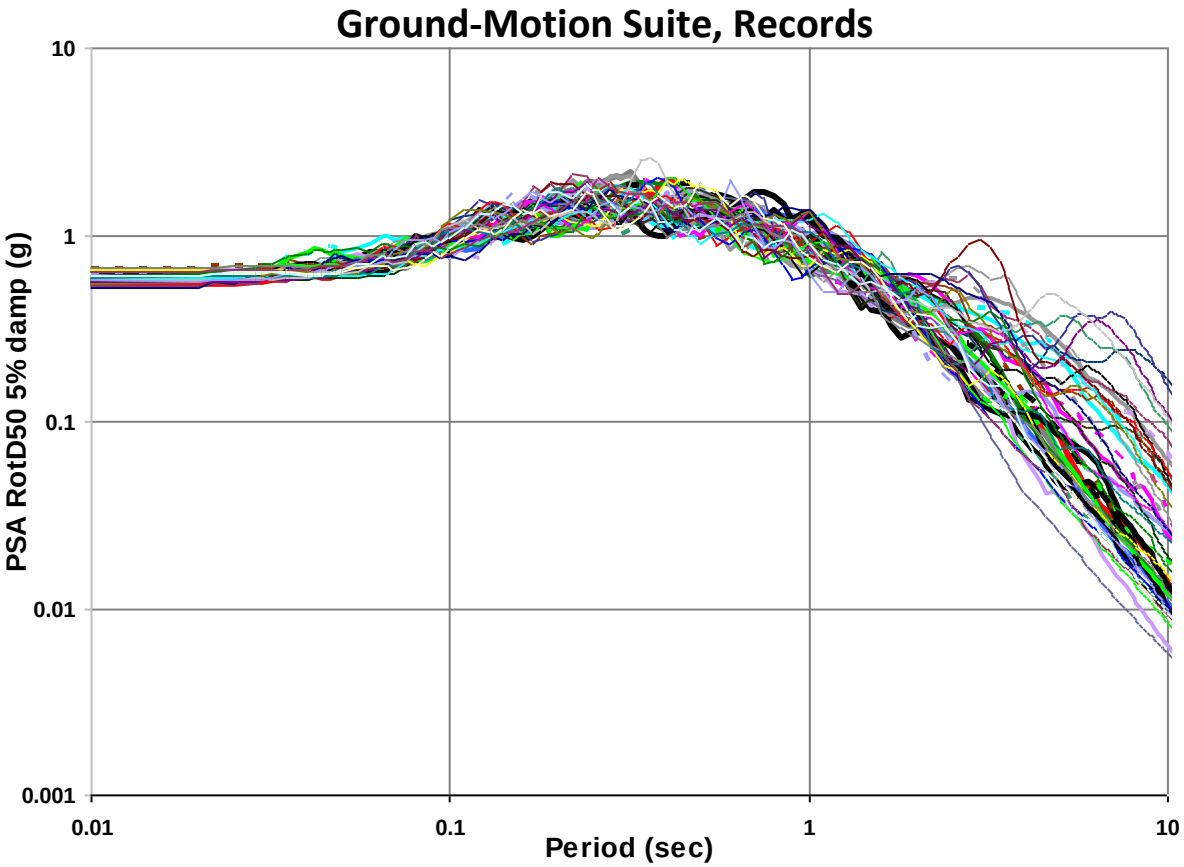
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.88	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.38	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	3.27	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.23	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	1.06	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.89	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.54	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.94	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	2.29	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	3.39	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.84	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.62	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2

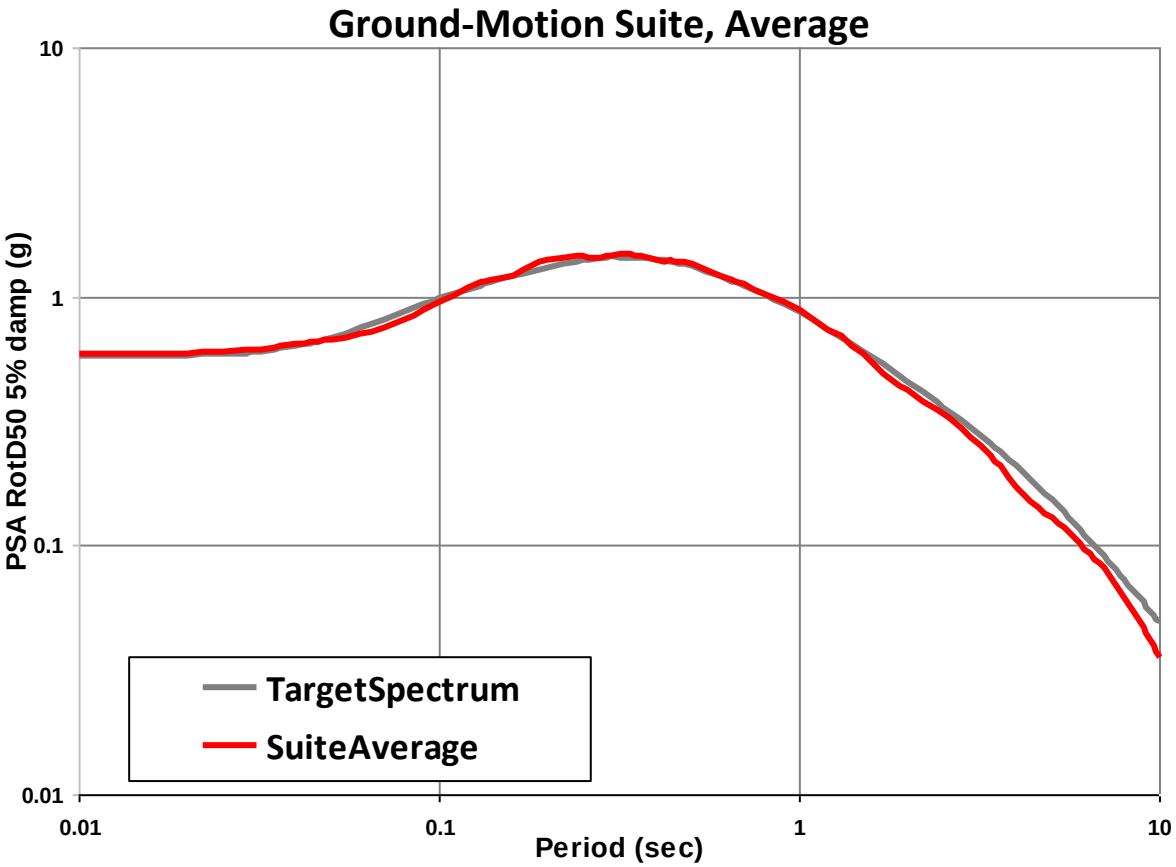
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	1.97	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.3	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	1.96	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.22	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	2.91	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.52	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.19	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	1.09	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.94	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	2.58	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.97	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	3.56	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	3.58	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.63	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.37	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.75	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.71	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.72	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1208	Chi-Chi, Taiwan CHY046 1999	7.62	24	442.15	Reverse O	19.1	2.65	RSN1208_CHICHI_CHY046-E.AT2 RSN1208_CHICHI_CHY046-N.AT2 RSN1208_CHICHI_CHY046-V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.51	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.25	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.09	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4716	Wenchuan, China Deyangbaima 2008	7.9	30	418.21	Reverse O	36.9	3.52	RSN4716_WENCHUAN_UA0777.AT2 RSN4716_WENCHUAN_UA0775.AT2 RSN4716_WENCHUAN_UA0776.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.57	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.39	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4880	Chuetsu-oki Hinodecho Yoshida Tsubame City 2007	6.8	20	261.55	Reverse	12	3.58	RSN4880_CHUETSU_65085NS.AT2 RSN4880_CHUETSU_65085EW.AT2 RSN4880_CHUETSU_65085UD.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.49	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	3.94	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.91	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.63	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.84	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.83	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	0.95	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	0.96	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	2.63	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.29	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.63	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

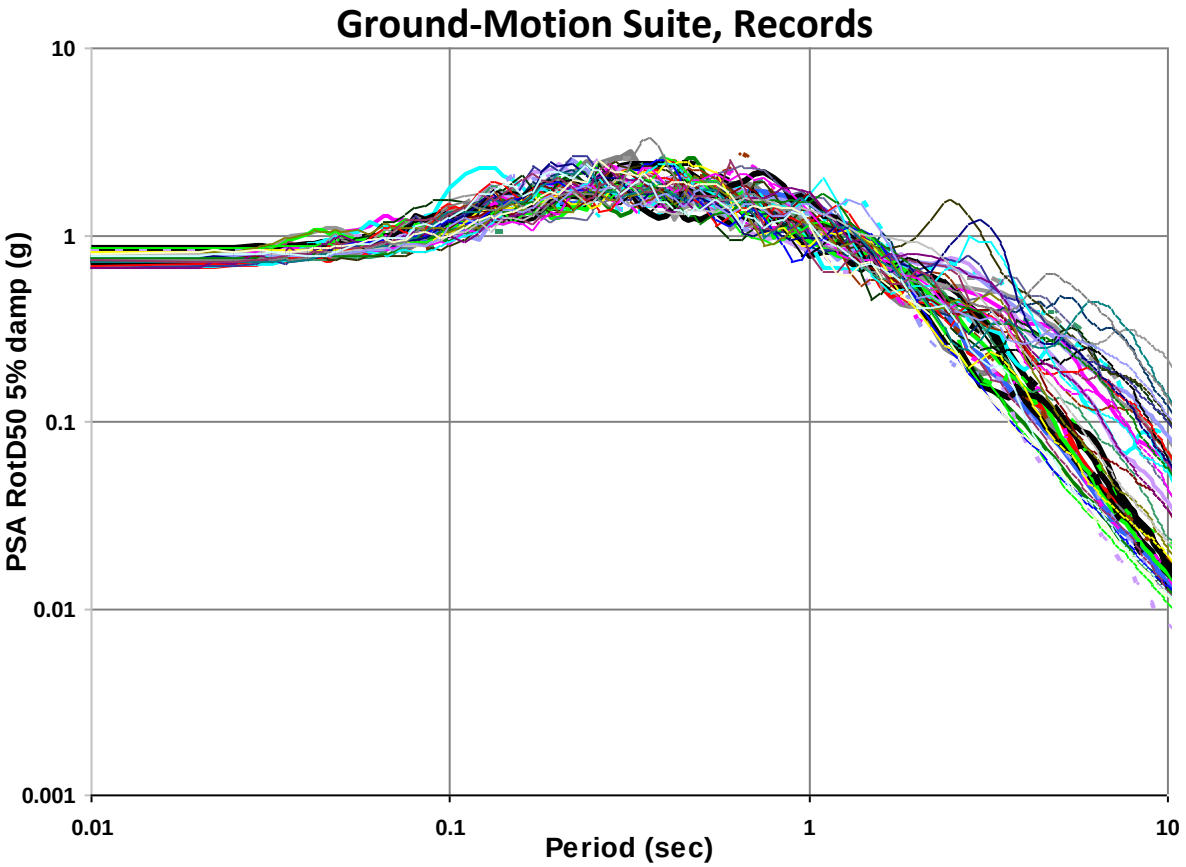
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.46	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	3.79	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.11	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.61	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.48	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.01	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	2.54	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	3	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1.1	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.12	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	2.58	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
764	Loma Prieta Gilroy - Historic Bldg. 1989	6.93	10	308.55	Reverse O	3.6	2.42	RSN764_LOMAP_GOF160.AT2 RSN764_LOMAP_GOF250.AT2 RSN764_LOMAP_GOF-UP.AT2

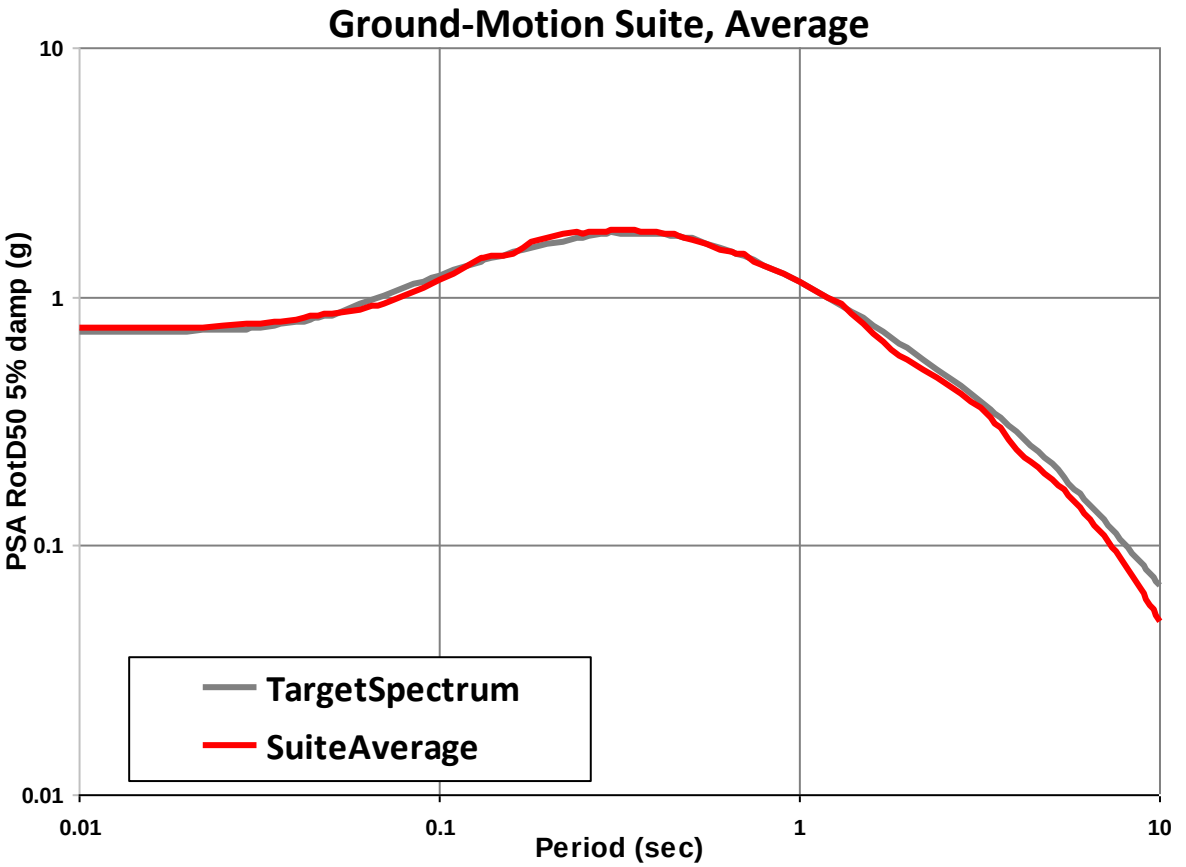
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.71	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
768	Loma Prieta Gilroy Array #4 1989	6.93	14	221.78	Reverse O	4.5	2.07	RSN768_LOMAP_G04000.AT2 RSN768_LOMAP_G04090.AT2 RSN768_LOMAP_G04-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	2.56	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.9	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	3.8	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.99	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.56	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.23	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	3.38	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.58	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1044	Northridge-01 Newhall - Fire Sta 1994	6.69	3	269.14	Reverse	2.8	0.91	RSN1044_NORTHR_NWH090.AT2 RSN1044_NORTHR_NWH360.AT2 RSN1044_NORTHR_NWH-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.82	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.79	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
1083	Northridge-01 Sunland - Mt Gleason Ave 1994	6.69	12	402.16	Reverse	6	3.96	RSN1083_NORTHR_GLE170.AT2 RSN1083_NORTHR_GLE260.AT2 RSN1083_NORTHR_GLE-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.98	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.93	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.94	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1208	Chi-Chi, Taiwan CHY046 1999	7.62	24	442.15	Reverse O	19.1	3.46	RSN1208_CHICHI_CHY046-E.AT2 RSN1208_CHICHI_CHY046-N.AT2 RSN1208_CHICHI_CHY046-V.AT2
3751	Cape Mendocino South Bay Union School 1992	7.01	33	459.04	Reverse	7.8	3.39	RSN3751_CAPEMEND_SBH270.AT2 RSN3751_CAPEMEND_SBH360.AT2 RSN3751_CAPEMEND_SBH-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.95	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.74	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.05	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	1.8	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.64	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	3.21	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.49	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.13	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.4	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.25	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	2.63	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
6969	Darfield, New Zealand Styx Mill Transfer Station 2010	7	21	247.5	strike slip	12.2	3.22	RSN6969_DARFIELD_SMTCN88W.AT2 RSN6969_DARFIELD_SMTCS02W.AT2 RSN6969_DARFIELD_SMTCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.26	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	1.55	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	3.44	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.69	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.13	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**

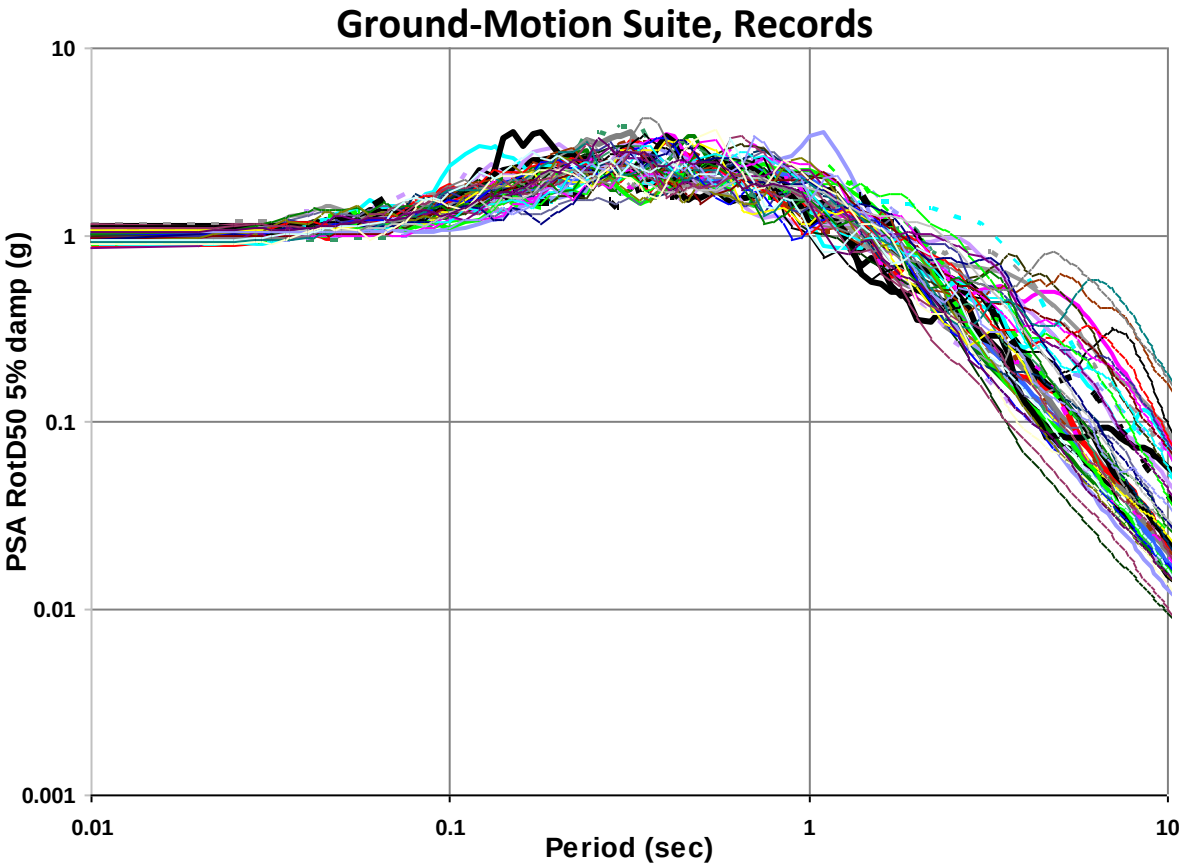
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	3.12	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.94	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
165	Imperial Valley-06 Chihuahua 1979	6.53	7	242.05	strike slip	12.9	2.99	RSN165_IMPVALL.H_H-CHI012.AT2 RSN165_IMPVALL.H_H-CHI282.AT2 RSN165_IMPVALL.H_H-CHIDWN.AT2
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	2.57	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
170	Imperial Valley-06 EC County Center FF 1979	6.53	7	192.05	strike slip	4.2	3.28	RSN170_IMPVALL.H_H-ECC002.AT2 RSN170_IMPVALL.H_H-ECC092.AT2 RSN170_IMPVALL.H_H-ECC-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.05	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	3.14	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.54	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	3.22	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	3.8	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.68	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	3.27	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2

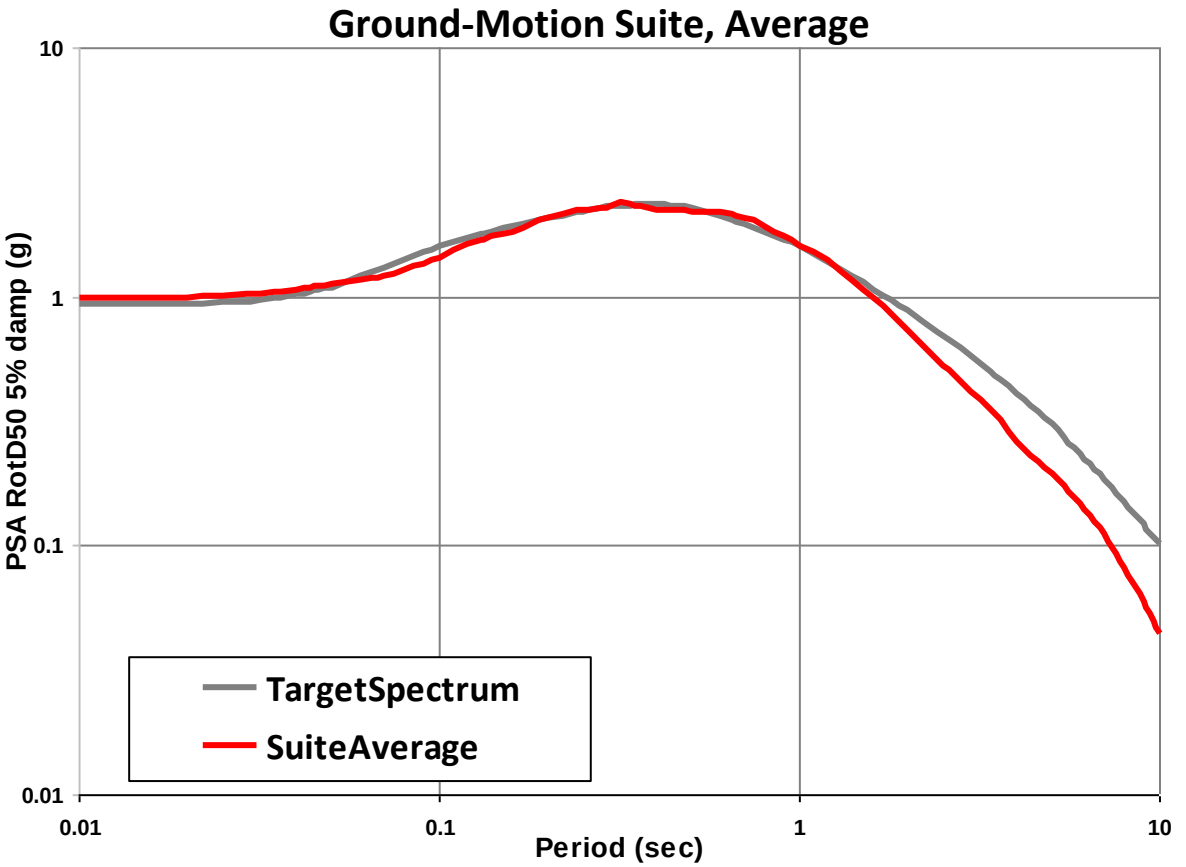
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
764	Loma Prieta Gilroy - Historic Bldg. 1989	6.93	10	308.55	Reverse O	3.6	3.06	RSN764_LOMAP_GOF160.AT2 RSN764_LOMAP_GOF250.AT2 RSN764_LOMAP_GOF-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.16	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
768	Loma Prieta Gilroy Array #4 1989	6.93	14	221.78	Reverse O	4.5	2.62	RSN768_LOMAP_G04000.AT2 RSN768_LOMAP_G04090.AT2 RSN768_LOMAP_G04-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	2.82	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2
786	Loma Prieta Palo Alto - 1900 Embarc. 1989	6.93	31	209.87	Reverse O	9.6	3.74	RSN786_LOMAP_PAE055.AT2 RSN786_LOMAP_PAE325.AT2 RSN786_LOMAP_PAE-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	3.25	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	3.68	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	1.78	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2
900	Landers Yermo Fire Station 1992	7.28	24	353.63	strike slip	8.8	3.49	RSN900_LANDERS_YER270.AT2 RSN900_LANDERS_YER360.AT2 RSN900_LANDERS_YER-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.97	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.56	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	3.27	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1044	Northridge-01 Newhall - Fire Sta 1994	6.69	3	269.14	Reverse	2.8	1.16	RSN1044_NORTHR_NWH090.AT2 RSN1044_NORTHR_NWH360.AT2 RSN1044_NORTHR_NWH-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.04	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.24	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.18	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1116	Kobe, Japan Shin-Osaka 1995	6.9	19	256	strike slip	4.1	3.4	RSN1116_KOBE_SHI000.AT2 RSN1116_KOBE_SHI090.AT2 RSN1116_KOBE_SHI-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.19	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1605	Duzce, Turkey Duzce 1999	7.14	0	281.86	strike slip	7.1	1.74	RSN1605_DUZCE_DZC180.AT2 RSN1605_DUZCE_DZC270.AT2 RSN1605_DUZCE_DZC-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	3.73	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	3.47	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.6	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	2.28	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.81	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5814	Iwate Furukawa Osaki City 2008	6.9	31	248.19	Reverse	12.3	2.79	RSN5814_IWATE_44B91NS.AT2 RSN5814_IWATE_44B91EW.AT2 RSN5814_IWATE_44B91UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	3.16	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.7	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	3.7	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6888	Darfield, New Zealand Christchurch Cathedral College 2010	7	20	198	strike slip	10.4	3.54	RSN6888_DARFIELD_CCCCN26W.AT2 RSN6888_DARFIELD_CCCCN64E.AT2 RSN6888_DARFIELD_CCCCUP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	3.04	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.58	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	3.34	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.6	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	1.97	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.14	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.7	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	**01 Oakland**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**

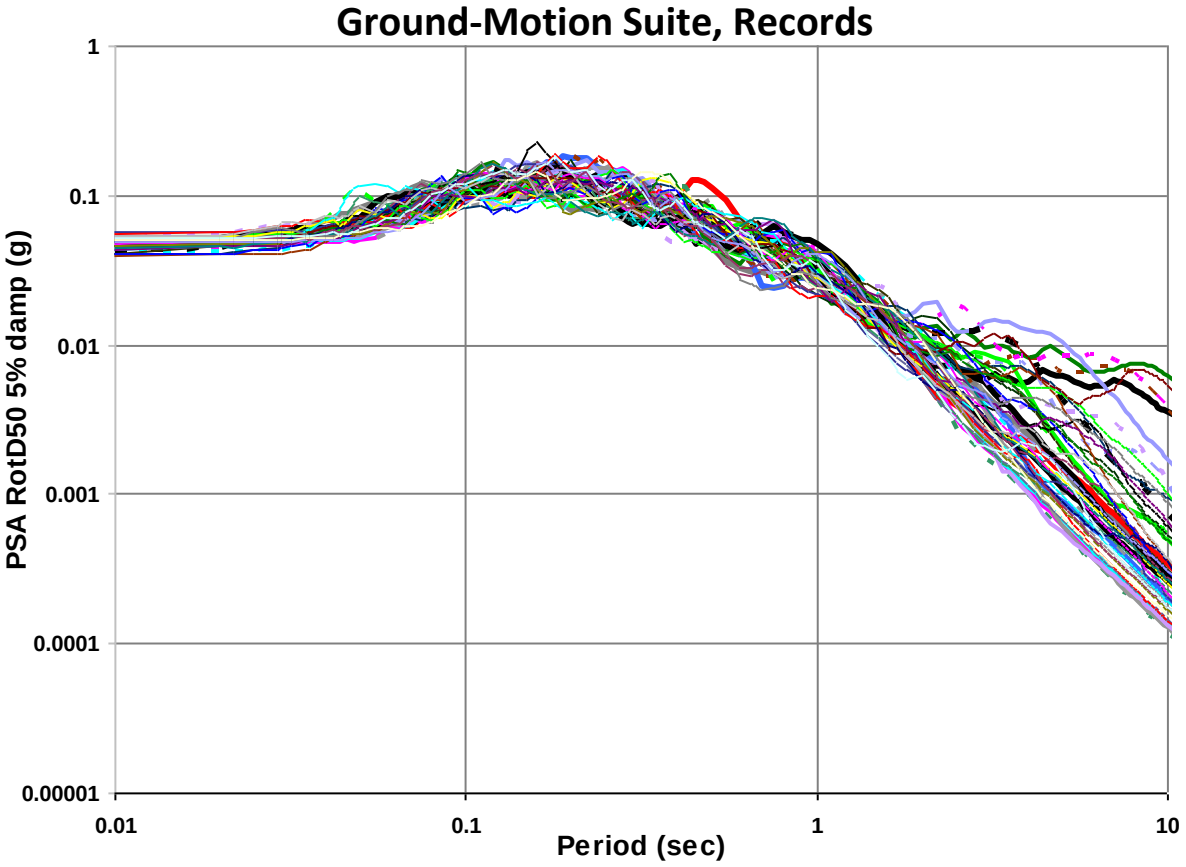
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
165	Imperial Valley-06 Chihuahua 1979	6.53	7	242.05	strike slip	12.9	3.89	RSN165_IMPVALL.H_H-CHI012.AT2 RSN165_IMPVALL.H_H-CHI282.AT2 RSN165_IMPVALL.H_H-CHIDWN.AT2
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	3.35	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
171	Imperial Valley-06 El Centro - Meloland Geot. Array 1979	6.53	0	264.57	strike slip	2.2	3.37	RSN171_IMPVALL.H_H-EMO000.AT2 RSN171_IMPVALL.H_H-EMO270.AT2 RSN171_IMPVALL.H_H-EMO-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.66	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
182	Imperial Valley-06 El Centro Array #7 1979	6.53	1	210.51	strike slip	1.9	2.6	RSN182_IMPVALL.H_H-E07140.AT2 RSN182_IMPVALL.H_H-E07230.AT2 RSN182_IMPVALL.H_H-E07-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	3.31	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
319	Westmorland Westmorland Fire Sta 1981	5.9	6	193.67	strike slip	3.6	2.35	RSN319_WESMORL_WSM090.AT2 RSN319_WESMORL_WSM180.AT2 RSN319_WESMORL_WSM-UP.AT2
338	Coalinga-01 Parkfield - Fault Zone 14 1983	6.36	28	246.07	Reverse	4.6	3.87	RSN338_COALINGA.H_H-Z14000.AT2 RSN338_COALINGA.H_H-Z14090.AT2 RSN338_COALINGA.H_H-Z14-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1.81	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	3.49	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.81	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
768	Loma Prieta Gilroy Array #4 1989	6.93	14	221.78	Reverse O	4.5	3.41	RSN768_LOMAP_G04000.AT2 RSN768_LOMAP_G04090.AT2 RSN768_LOMAP_G04-UP.AT2

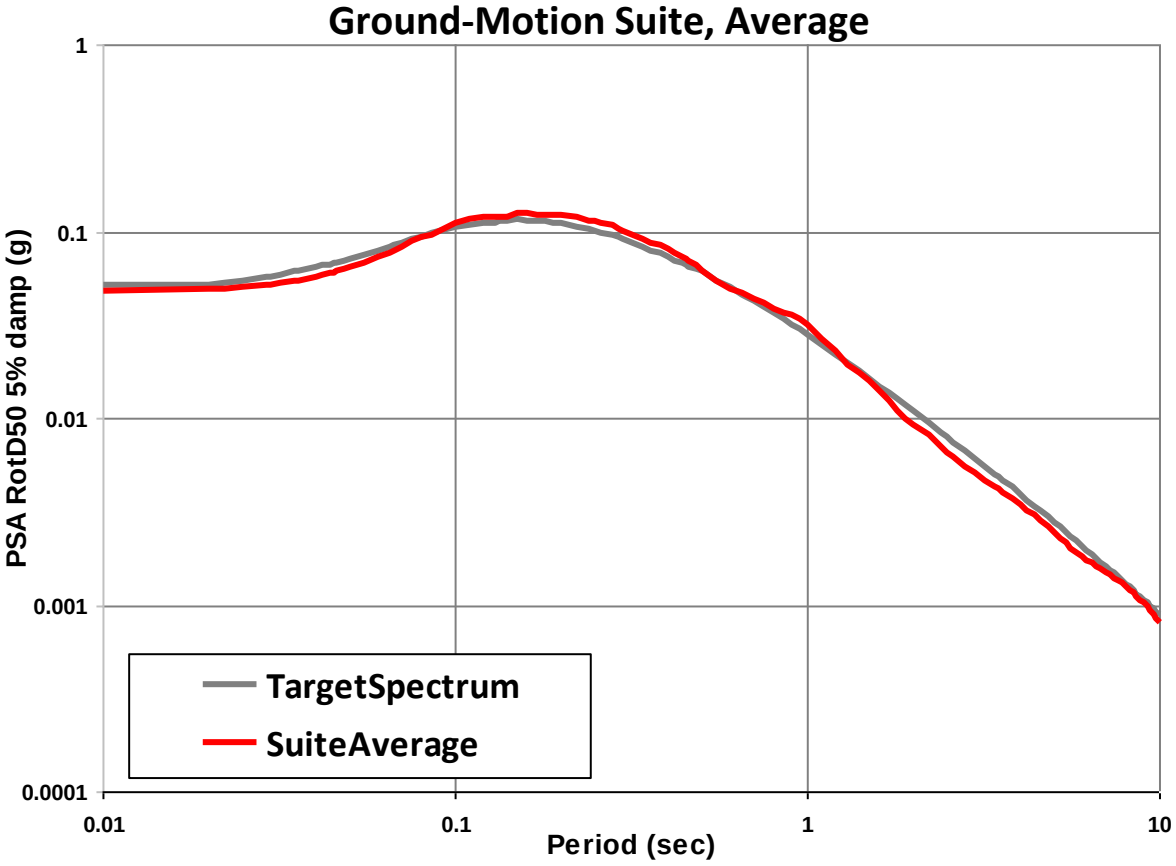
Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
776	Loma Prieta Hollister - South & Pine 1989	6.93	28	282.14	Reverse O	7	3.38	RSN776_LOMAP_HSP000.AT2 RSN776_LOMAP_HSP090.AT2 RSN776_LOMAP_HSP-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	3.68	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	2.31	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2
864	Landers Joshua Tree 1992	7.28	11	379.32	strike slip	21.3	3.72	RSN864_LANDERS_JOS000.AT2 RSN864_LANDERS_JOS090.AT2 RSN864_LANDERS_JOS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	3.29	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
953	Northridge-01 Beverly Hills - 14145 Mulhol 1994	6.69	9	355.81	Reverse	5.4	2.01	RSN953_NORTHR_MUL009.AT2 RSN953_NORTHR_MUL279.AT2 RSN953_NORTHR_MUL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	2.57	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	2.03	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
1044	Northridge-01 Newhall - Fire Sta 1994	6.69	3	269.14	Reverse	2.8	1.51	RSN1044_NORTHR_NWH090.AT2 RSN1044_NORTHR_NWH360.AT2 RSN1044_NORTHR_NWH-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.36	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	2.95	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.61	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.54	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.54	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1141	Dinar, Turkey Dinar 1995	6.4	0	219.75	Normal	10.2	3.24	RSN1141_DINAR_DIN090.AT2 RSN1141_DINAR_DIN180.AT2 RSN1141_DINAR_DIN-UP.AT2
1605	Duzce, Turkey Duzce 1999	7.14	0	281.86	strike slip	7.1	2.27	RSN1605_DUZCE_DZC180.AT2 RSN1605_DUZCE_DZC270.AT2 RSN1605_DUZCE_DZC-UP.AT2
3748	Cape Mendocino Ferndale Fire Station 1992	7.01	17	387.95	Reverse	5.8	3.15	RSN3748_CAPEMEND_FFS270.AT2 RSN3748_CAPEMEND_FFS360.AT2 RSN3748_CAPEMEND_FFS-UP.AT2
4451	Montenegro, Yugo. Bar-Skupstina Opstine 1979	7.1	0	462.23	Reverse	8.3	2.55	RSN4451_MONTENE.GRO_BSO000.A RSN4451_MONTENE.GRO_BSO090.A RSN4451_MONTENE.GRO_BSO-V.AT
4458	Montenegro, Yugo. Ulcinj - Hotel Olimpic 1979	7.1	4	318.74	Reverse	8.1	3.62	RSN4458_MONTENE.GRO_ULO000.A RSN4458_MONTENE.GRO_ULO090.A RSN4458_MONTENE.GRO_ULO-V.AT
4781	Wenchuan, China Jiangyouchonghua 2008	7.9	27	430.47	Reverse O	18.4	3.24	RSN4781_WENCHUAN_UA1027.AT2 RSN4781_WENCHUAN_UA1028.AT2 RSN4781_WENCHUAN_UA1029.AT2
4847	Chuetsu-oki Joetsu Kakizakiku Kakizaki 2007	6.8	9	383.43	Reverse	5.9	2.41	RSN4847_CHUETSU_65010NS.AT2 RSN4847_CHUETSU_65010EW.AT2 RSN4847_CHUETSU_65010UD.AT2
4853	Chuetsu-oki Joetsu City 2007	6.8	26	294.71	Reverse	14.7	3.77	RSN4853_CHUETSU_65019NS.AT2 RSN4853_CHUETSU_65019EW.AT2 RSN4853_CHUETSU_65019UD.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	3.38	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	2.97	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	1.05	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5814	Iwate Furukawa Osaki City 2008	6.9	31	248.19	Reverse	12.3	3.63	RSN5814_IWATE_44B91NS.AT2 RSN5814_IWATE_44B91EW.AT2 RSN5814_IWATE_44B91UD.AT2

Site	01 Oakland							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	3.51	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6877	Joshua Tree, CA Indio - Jackson Road 1992	6.1	25	292.12	strike slip	4.2	3.61	RSN6877_JOSHUA_5294180.AT2 RSN6877_JOSHUA_5294090.AT2 RSN6877_JOSHUA_5294_UP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	2.06	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6923	Darfield, New Zealand Kaiapoi North School 2010	7	31	255	strike slip	9.3	3.42	RSN6923_DARFIELD_KPOCN15E.AT2 RSN6923_DARFIELD_KPOCS75E.AT2 RSN6923_DARFIELD_KPOCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	2.08	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8066	Christchurch, New Zealand Christchurch Hospital 2011	6.2	5	194	Reverse O	4.6	2.52	RSN8066_CCHURCH_CHHCN01W.AT2 RSN8066_CCHURCH_CHHCS89W.AT2 RSN8066_CCHURCH_CHHCUP.AT2
8067	Christchurch, New Zealand Christchurch Cashmere High School 2011	6.2	4	204	Reverse O	3.1	2.47	RSN8067_CCHURCH_CMHSN10E.AT2 RSN8067_CCHURCH_CMHSS80E.AT2 RSN8067_CCHURCH_CMHSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	2.56	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.78	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	3.51	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**

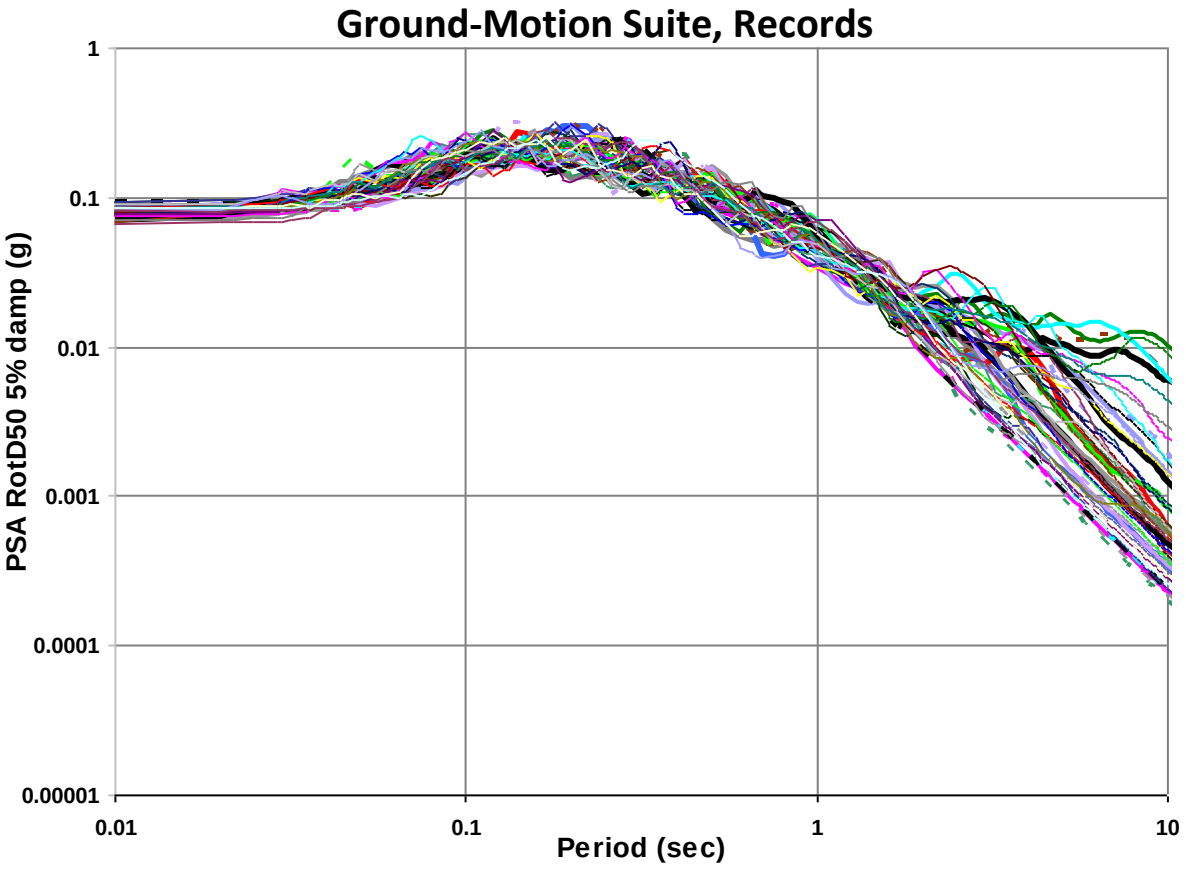
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.31	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.29	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.26	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	1.11	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.25	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	0.71	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.52	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	0.39	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	0.44	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	0.33	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.42	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.48	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

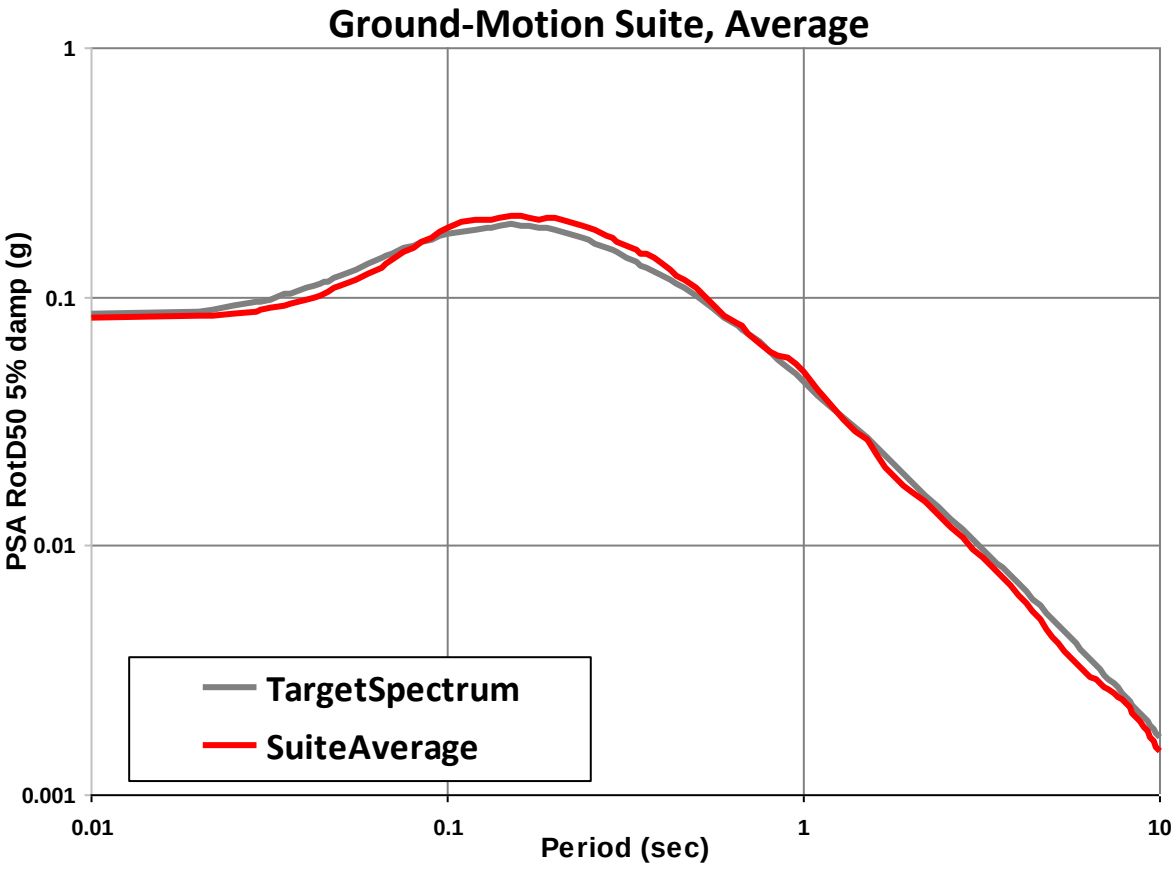
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.32	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.26	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
954	Northridge-01 Big Tujunga, Angeles Nat F 1994	6.69	19	550.11	Reverse	5.8	0.25	RSN954_NORTHR_TUJ262.AT2 RSN954_NORTHR_TUJ352.AT2 RSN954_NORTHR_TUJ-UP.AT2
1016	Northridge-01 La Crescenta - New York 1994	6.69	18	411.55	Reverse	5.5	0.26	RSN1016_NORTHR_NYA090.AT2 RSN1016_NORTHR_NYA180.AT2 RSN1016_NORTHR_NYA-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.31	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	0.53	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.34	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	0.52	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.25	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.35	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	0.7	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	1	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.11	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.27	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.31	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.85	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	0.66	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.34	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.31	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.39	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.25	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.33	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.29	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.4	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.38	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4193	Niigata, Japan NGNH29 2004	6.63	45	464.92	Reverse	8.4	0.4	RSN4193_NIIGATA_NGNH29NS.AT2 RSN4193_NIIGATA_NGNH29EW.AT2 RSN4193_NIIGATA_NGNH29UD.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	0.8	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.58	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.76	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	1.7	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.68	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT2
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	0.76	RSN4553_L-AQUILA.B_CW119XTE.AT2 RSN4553_L-AQUILA.B_CW119YLN.AT2 RSN4553_L-AQUILA.B_CW119ZUP.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	0.86	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.28	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.41	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.56	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.72	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.6	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

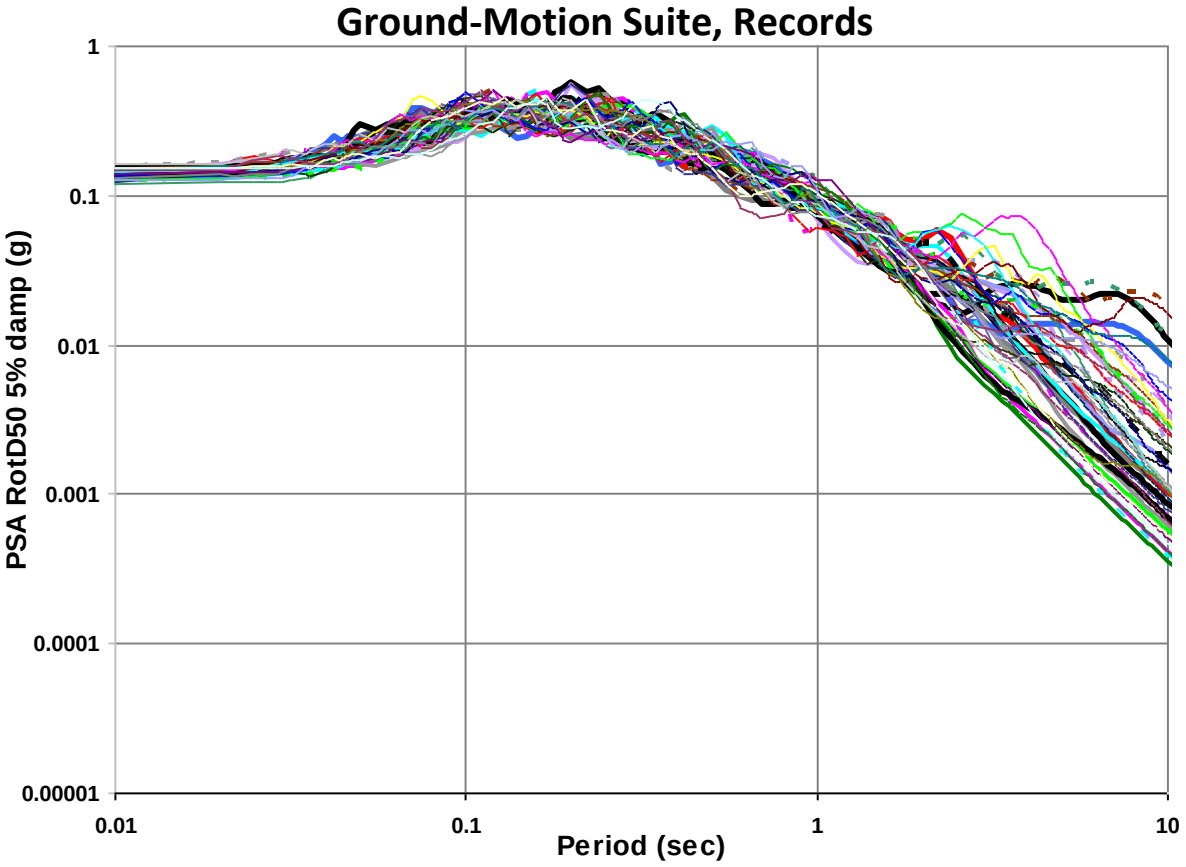
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.52	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.49	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.44	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	1.87	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.34	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.29	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.88	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.28	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.3	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.39	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.71	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.8	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

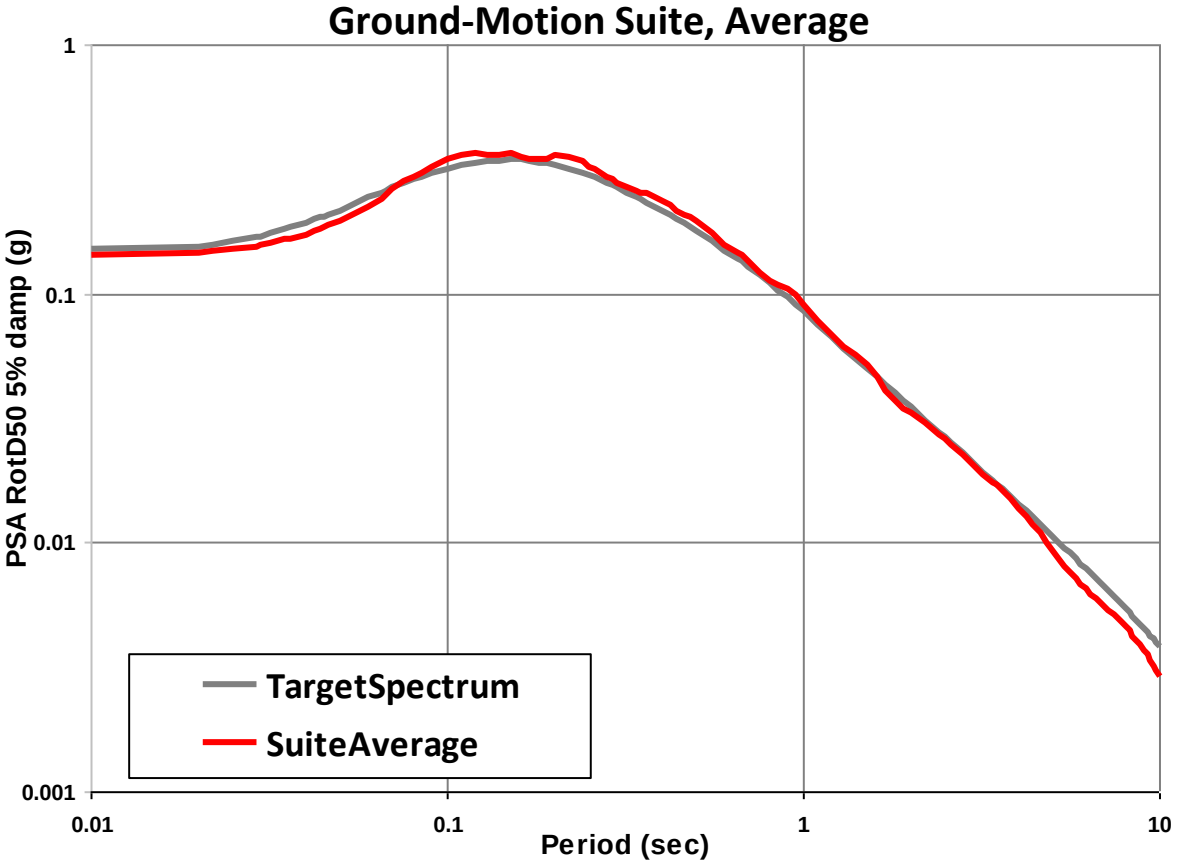
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.54	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.25	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.41	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.52	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	0.89	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.57	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	0.88	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.41	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.32	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.58	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1.18	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	1.68	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.87	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.25	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.43	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	1.11	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.57	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.53	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.66	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.55	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.49	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.29	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.67	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.63	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	1.35	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.97	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	2.87	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.15	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.39	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.3	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.39	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.31	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	1.45	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.28	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.69	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.94	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.21	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	1.02	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

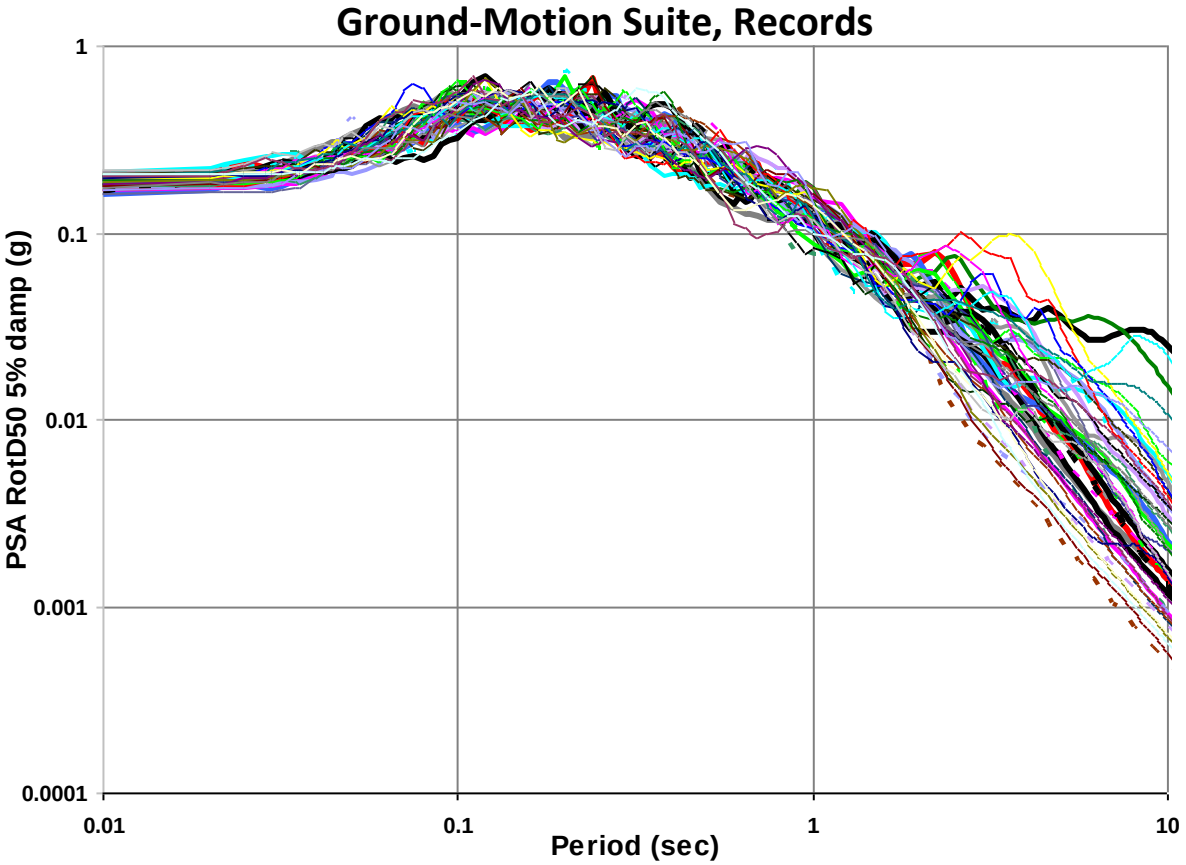
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.93	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.89	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.79	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	3.36	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.31	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.61	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.58	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.51	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.7	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.42	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.28	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.44	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

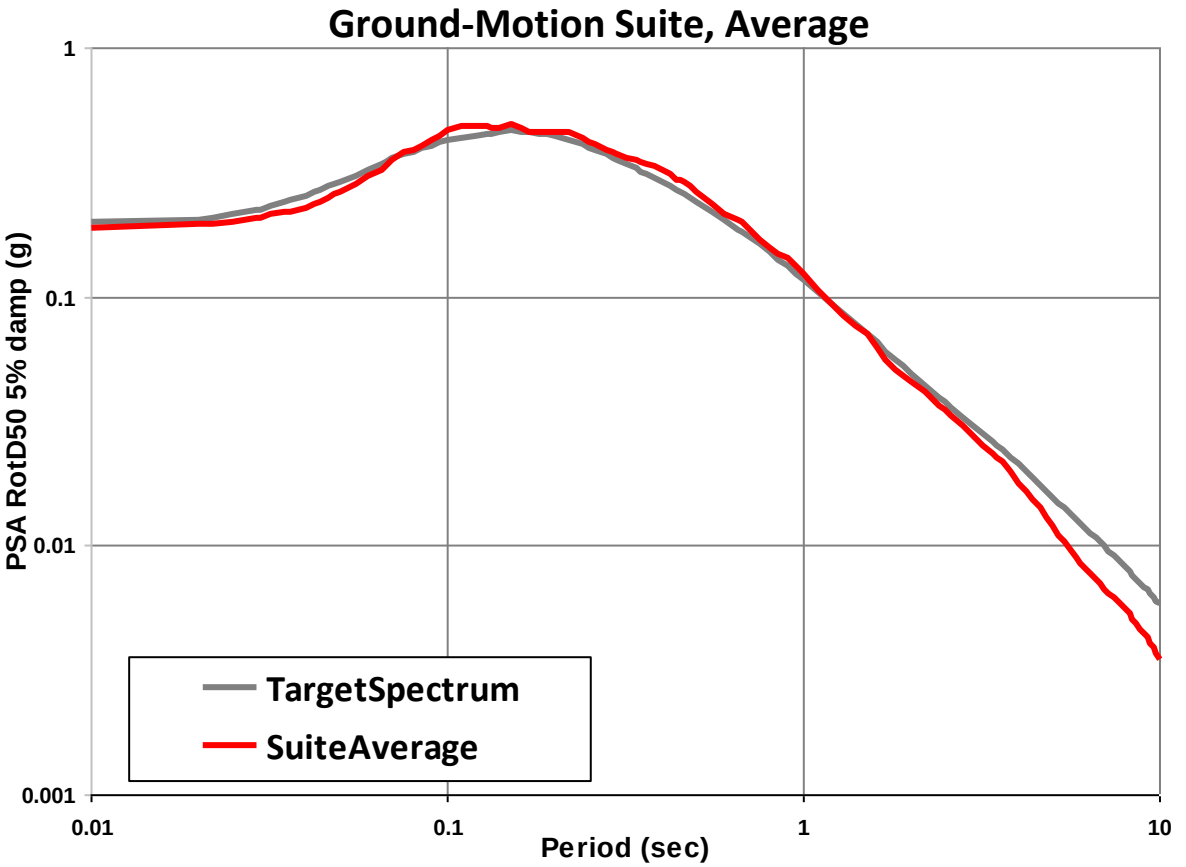
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.98	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.39	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.45	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.38	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.4	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	1.03	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	1.59	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.74	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	2.12	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	3.03	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	3.36	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.82	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.46	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.57	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.03	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.19	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.29	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.99	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.89	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.52	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.2	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.14	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.26	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.37	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.75	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.07	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.34	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.7	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.27	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.53	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.71	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.55	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.56	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	2.62	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.5	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.23	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.17	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	1.83	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

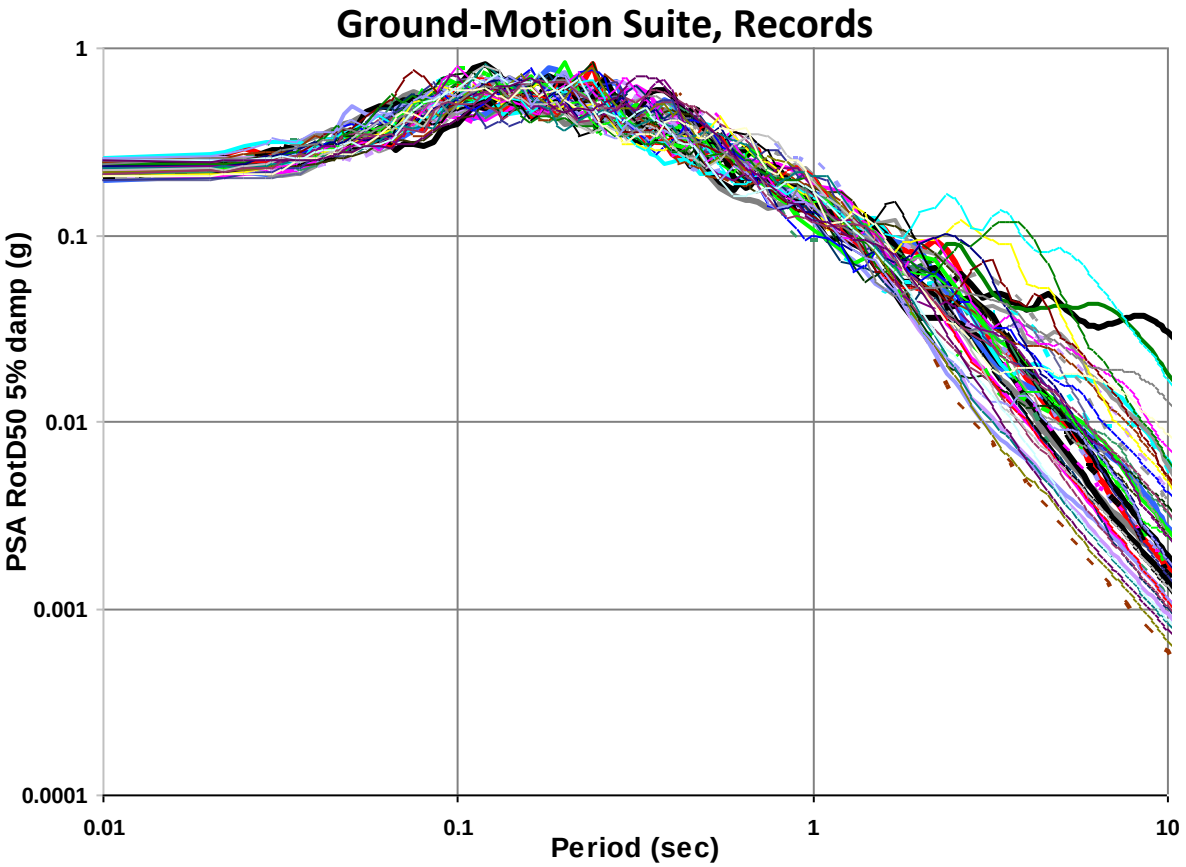
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.25	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.19	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.06	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.42	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.02	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.82	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.13	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.69	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.57	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.72	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.93	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.31	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

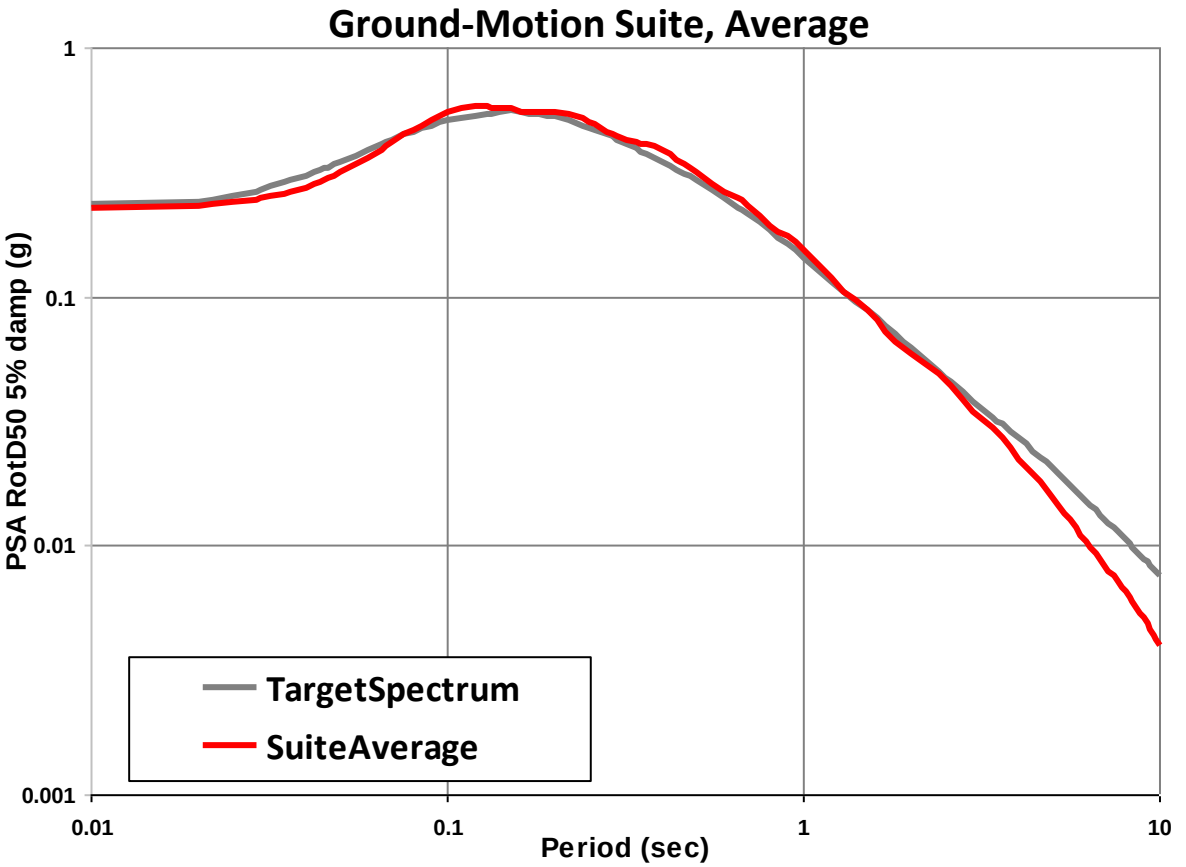
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.05	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.52	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.6	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.51	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	2.13	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	2.85	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.1	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.61	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	3.45	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.38	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.59	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.4	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.34	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.19	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.7	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.61	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.53	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.54	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.29	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.35	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.5	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.35	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.33	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.78	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.45	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.94	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.36	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.72	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.95	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.74	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.76	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	3.51	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.67	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.66	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.92	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	2.46	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

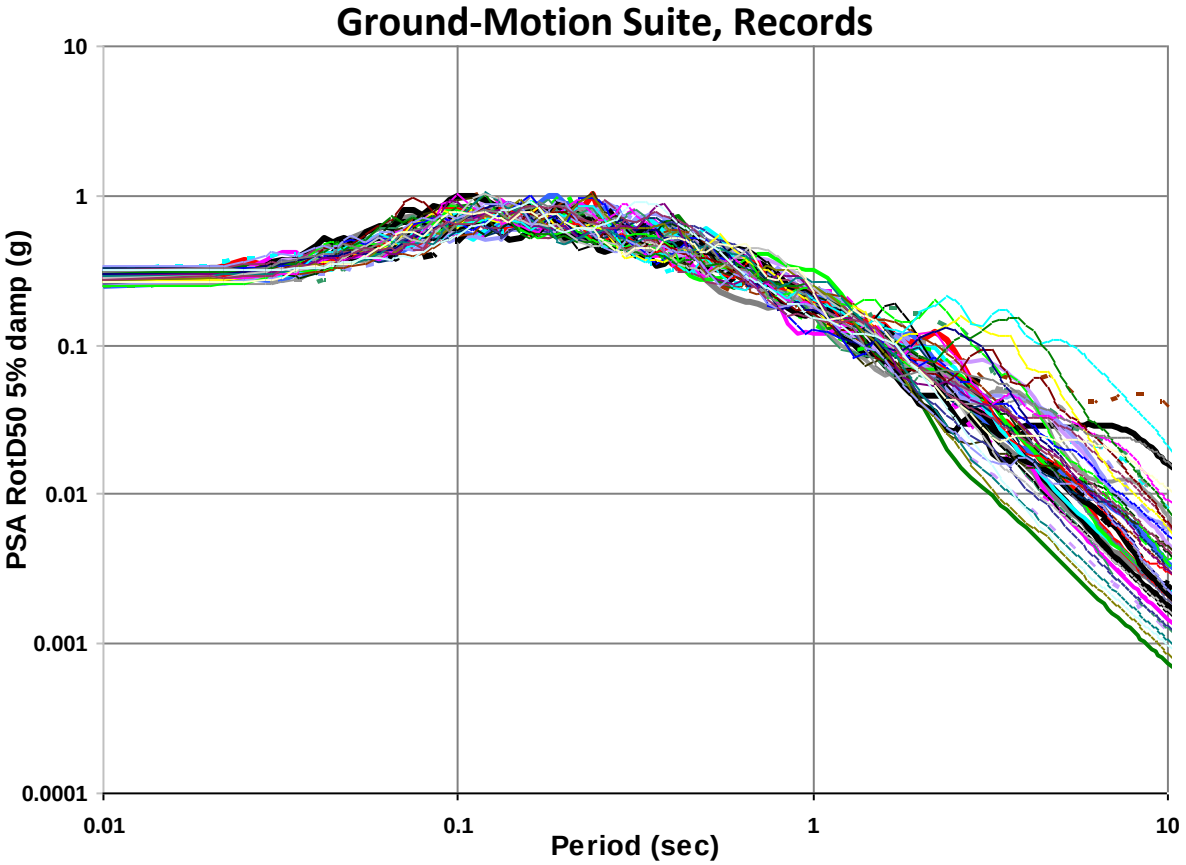
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.51	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.44	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.28	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.5	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.24	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.99	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.57	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.07	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.83	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.69	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.07	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.58	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

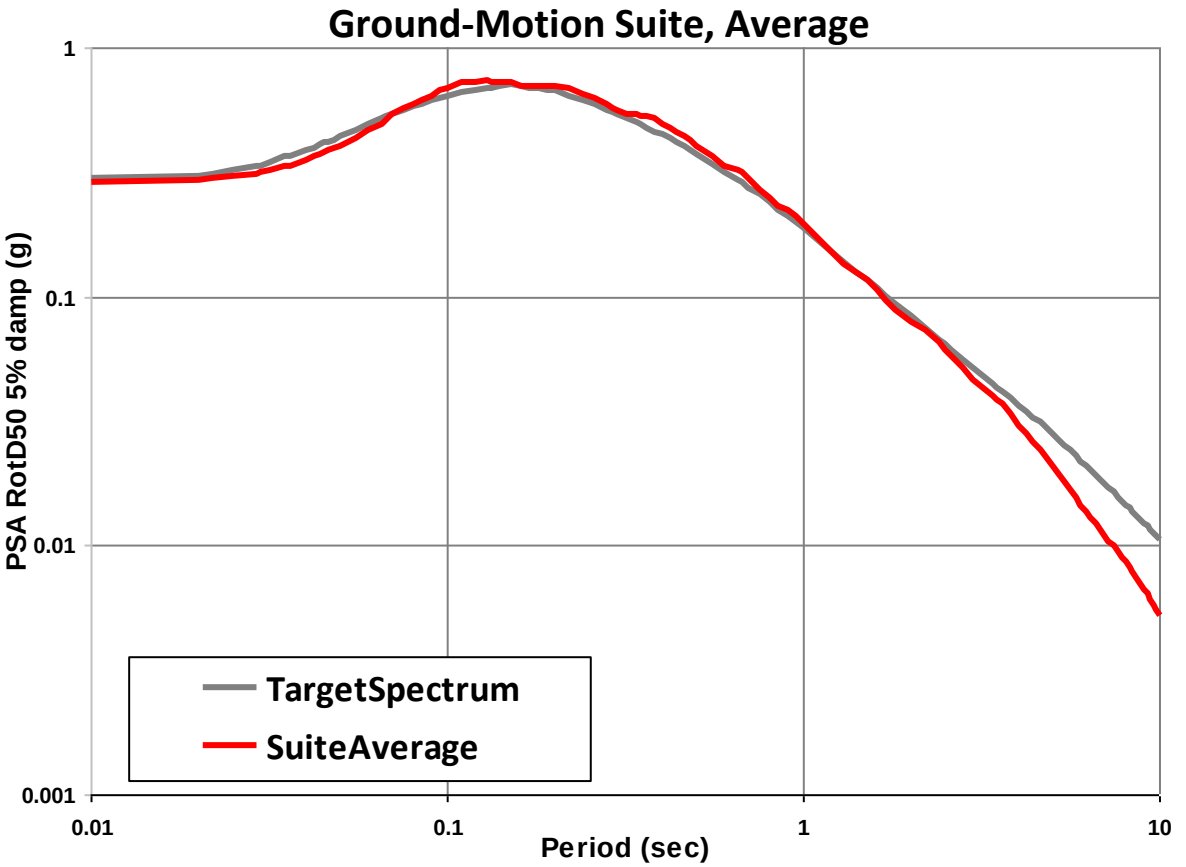
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.27	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.63	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.73	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.62	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	2.57	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.21	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	3.44	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.33	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	2.44	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.67	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.92	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.48	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.61	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.44	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.84	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.95	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.84	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.66	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.36	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.42	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.6	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.2	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.84	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.4	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	3.74	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	2.36	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	3.36	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.55	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.14	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.44	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.86	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	2.43	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.15	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.9	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.91	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.81	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	3.52	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	2.97	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

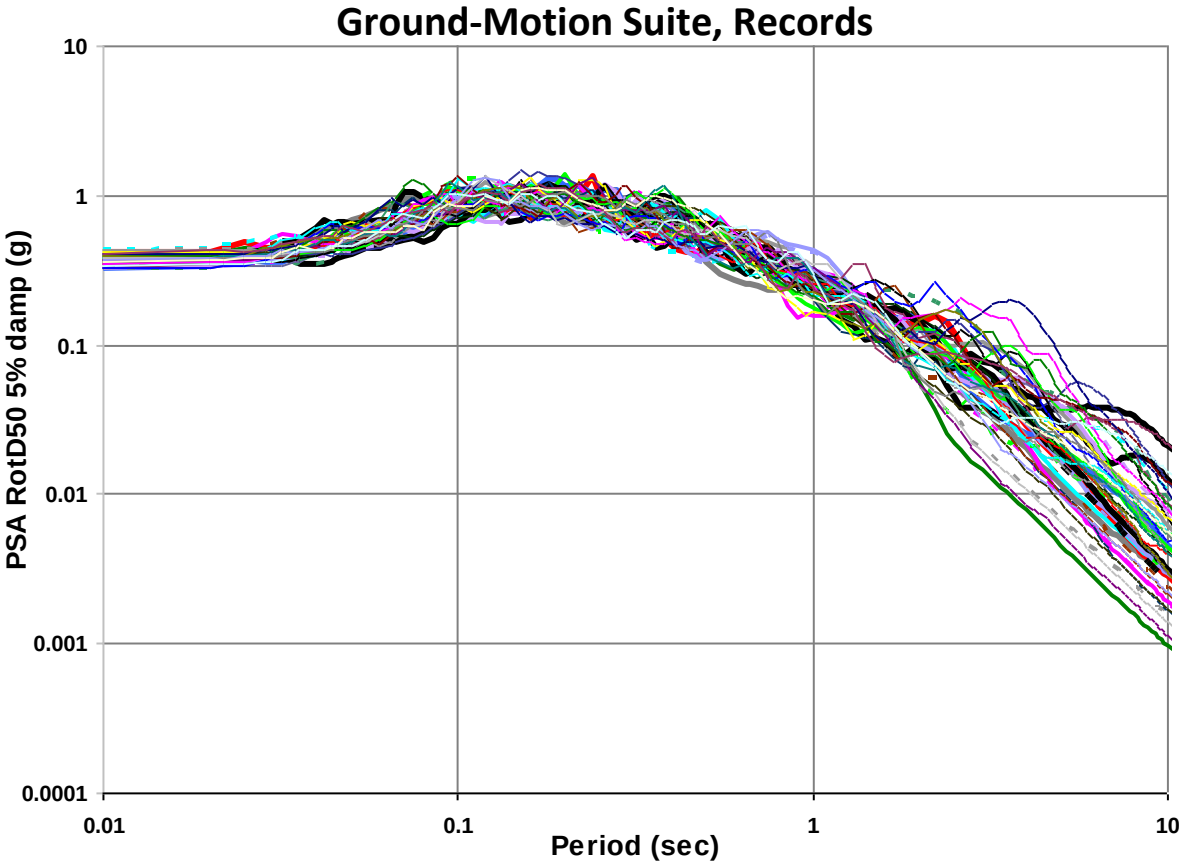
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.93	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.84	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.64	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.64	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.58	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.27	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	3.28	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.37	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.06	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.87	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.65	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.02	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

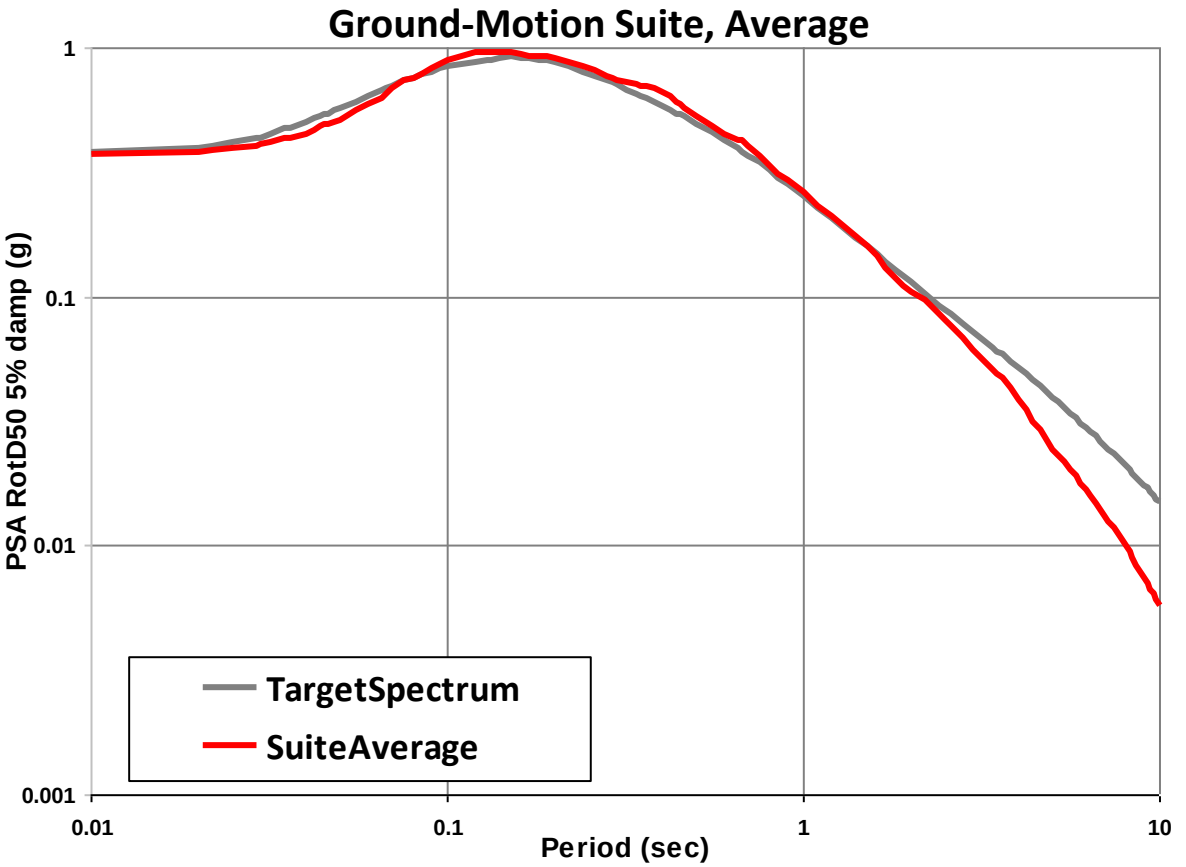
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.62	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.8	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.93	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.79	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.82	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	3.29	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.54	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.48	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.7	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	3.11	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.13	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.46	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	1.57	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.61	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.83	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.07	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.48	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.35	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.84	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.45	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.53	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.77	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.53	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.62	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.51	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	3.01	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.7	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	0.91	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.45	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.56	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.1	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	3.1	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.47	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.15	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.17	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.04	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	3.79	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.54	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.03	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.15	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.84	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.07	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.66	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	1.92	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.79	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.39	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.15	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	3.48	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.65	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

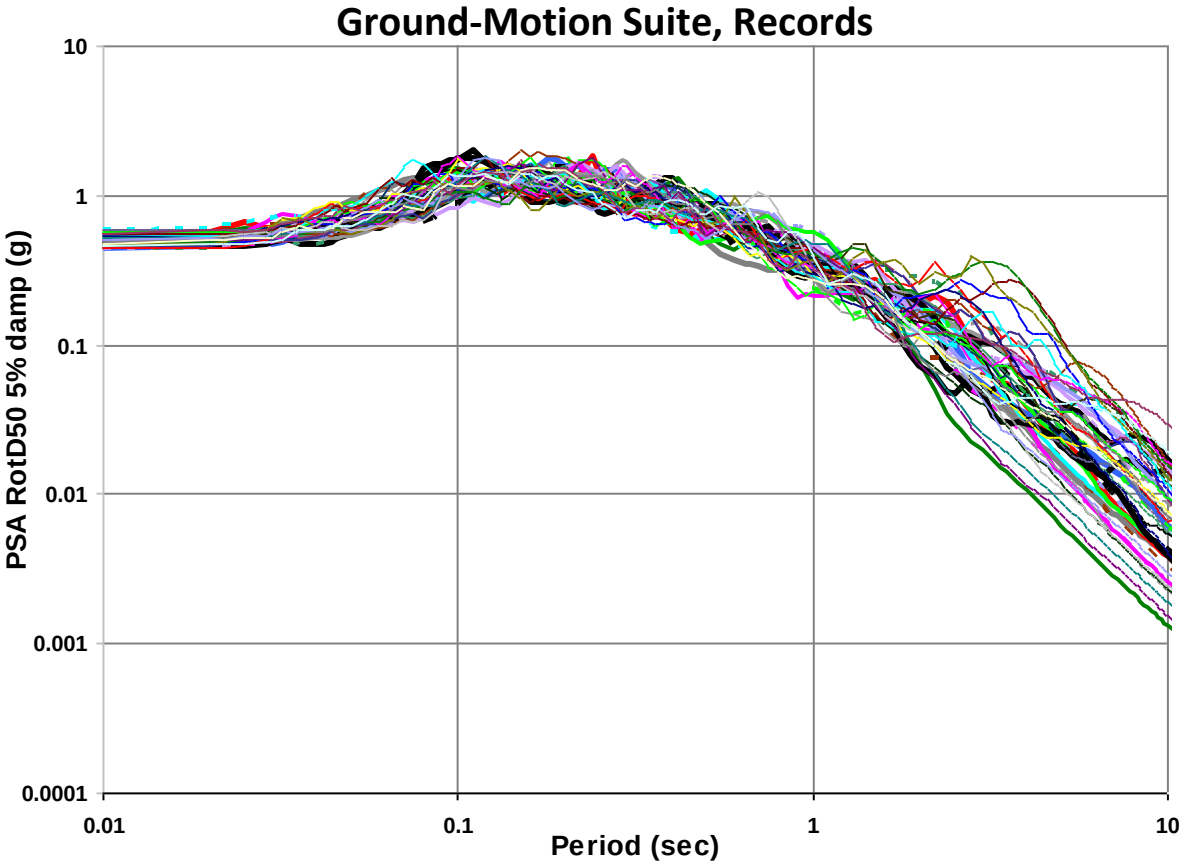
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.12	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.05	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.22	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.04	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	1.08	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.02	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.63	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	2.23	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.8	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	3.23	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.07	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.8	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.41	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2

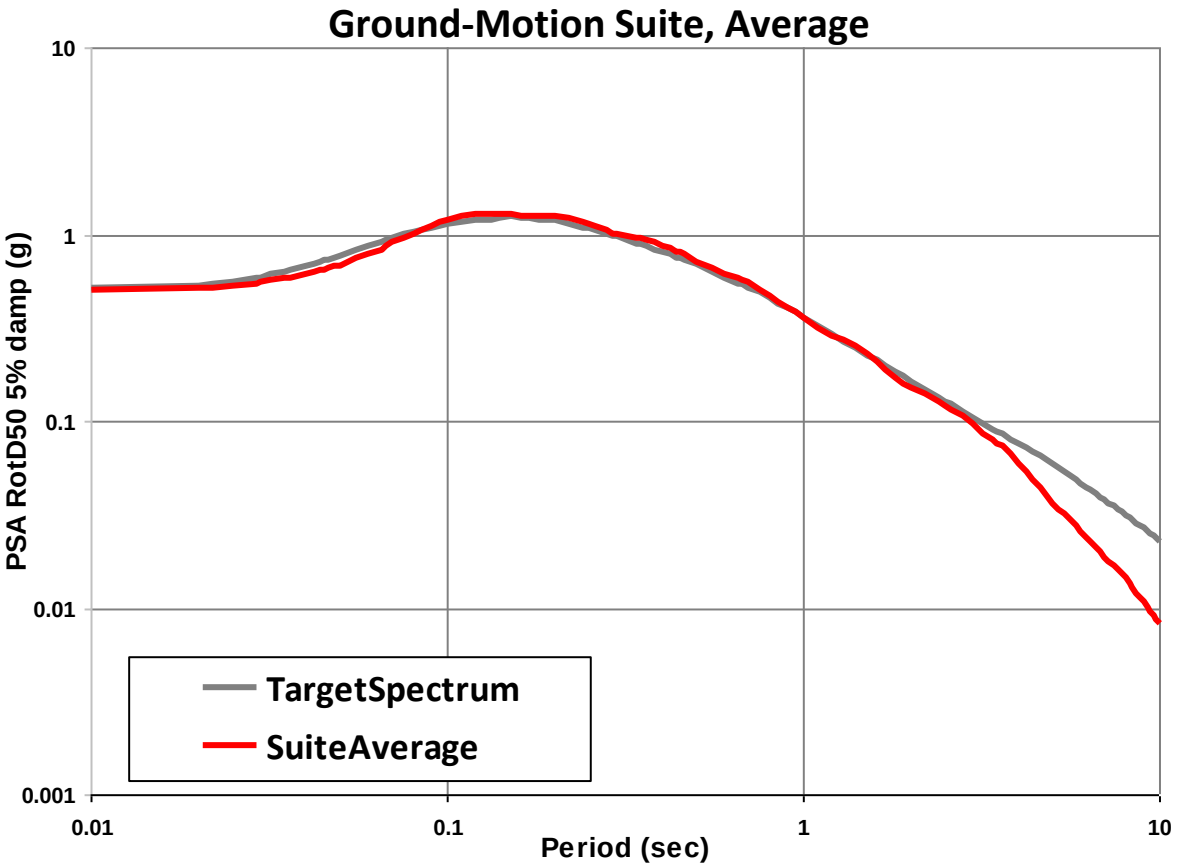
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.41	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	3.26	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	3.09	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.1	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.6	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.7	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.01	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.67	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	3.96	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	2.06	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	1.26	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	2.47	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.92	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	01 Oakland
Site Vs30 (m/s)	760
Return Period (yr)	250

5494	Iwate AKTH18 2008	6.9	47	431	Reverse	8.1	3.04	RSN5494_IWATE_AKTH18NS.AT2 RSN5494_IWATE_AKTH18EW.AT2 RSN5494_IWATE_AKTH18UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.19	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.91	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.73	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.28	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.45	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.92	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.5	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.53	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	2.31	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.36	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**

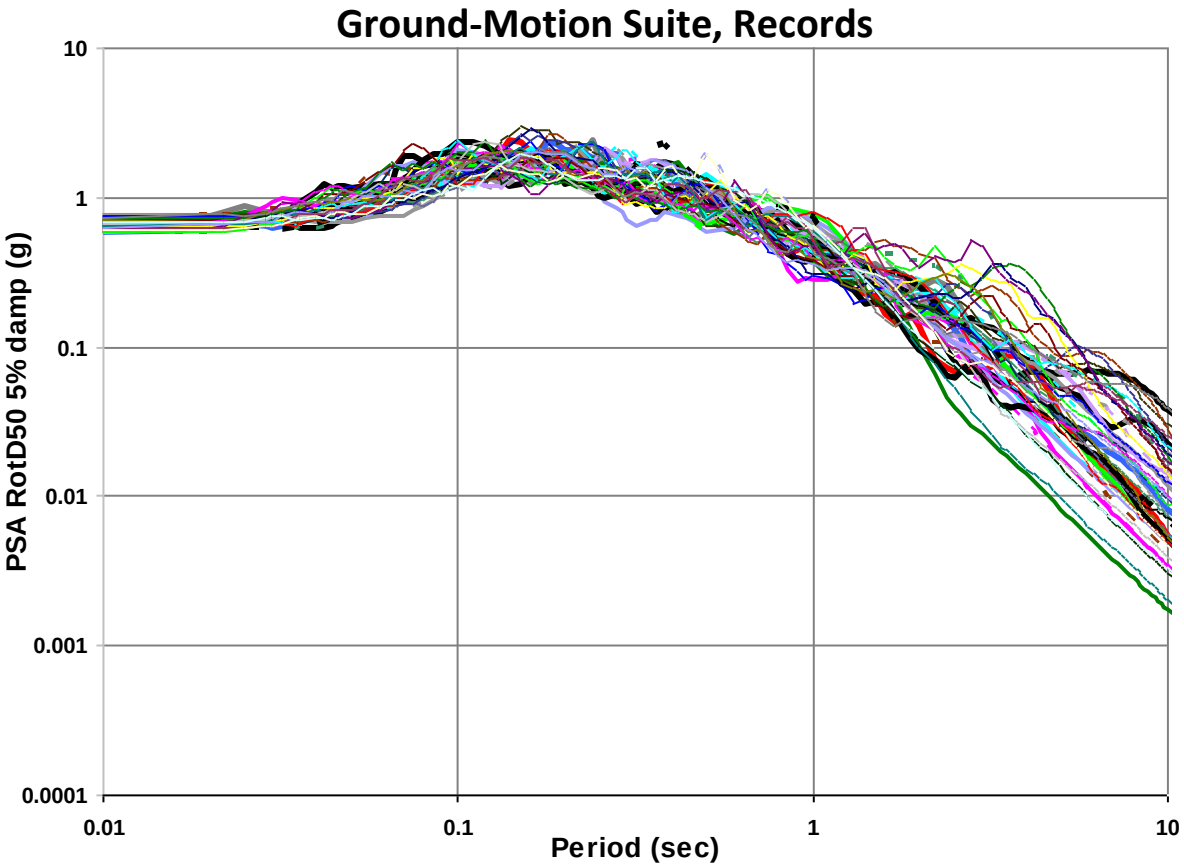
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	3.45	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.4	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.93	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.15	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.82	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.26	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	2.61	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.44	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.89	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.56	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	3.61	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
675	Whittier Narrows-01 Pasadena - CIT Athenaeum 1987	5.99	4	415.13	Reverse O	3	3.53	RSN675_WHITTIER.A_A-PAS180.AT2 RSN675_WHITTIER.A_A-PAS270.AT2 RSN675_WHITTIER.A_A-PAS-UP.AT2

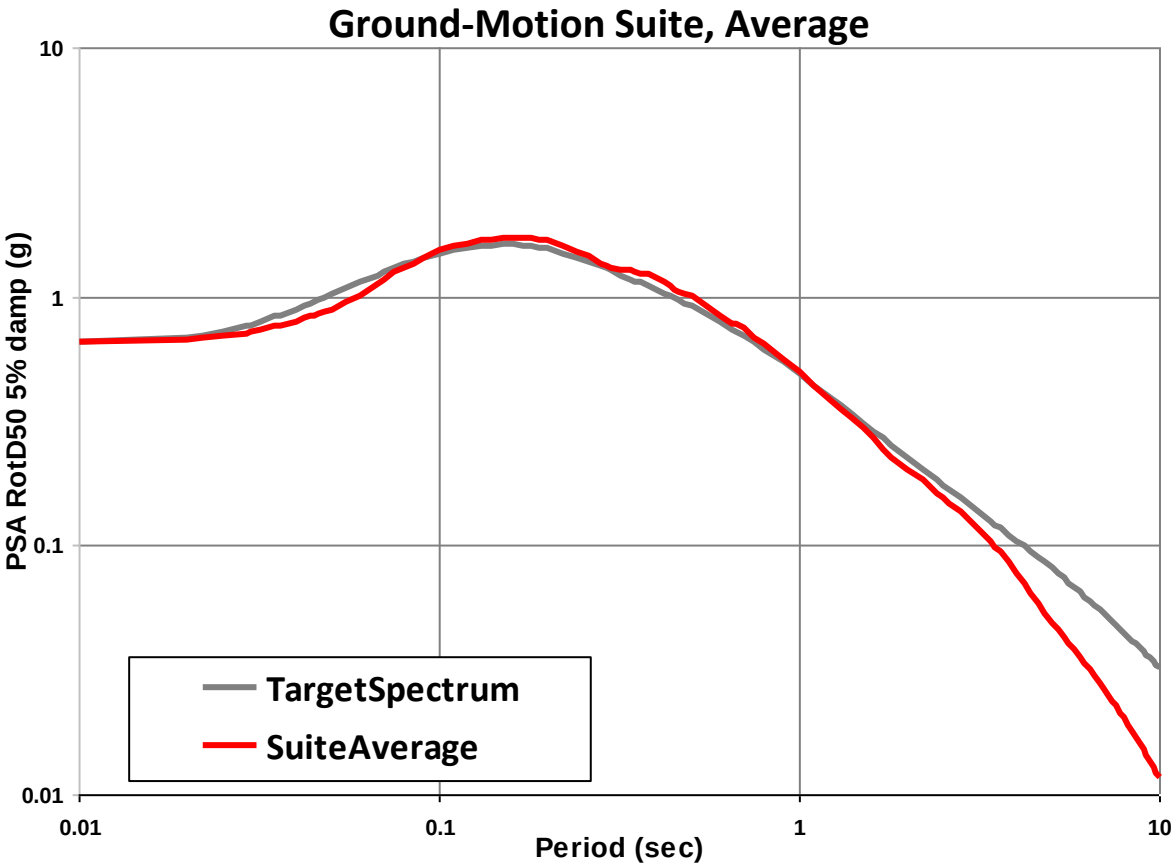
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.88	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.43	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.66	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.42	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1281	Chi-Chi, Taiwan HWA032 1999	7.62	43	573.04	Reverse O	8.3	3.48	RSN1281_CHICHI_HWA032-E.AT2 RSN1281_CHICHI_HWA032-N.AT2 RSN1281_CHICHI_HWA032-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.75	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.85	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	3.03	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	1.13	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	3.8	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	2.26	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.81	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.09	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	3.27	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.91	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.5	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.81	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.95	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.73	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.91	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	2.81	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	1.71	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	3.35	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5275	Chuetsu-oki NIGH01 2007	6.8	16	480.4	Reverse	10.9	3.32	RSN5275_CHUETSU_NIGH01NS.AT2 RSN5275_CHUETSU_NIGH01EW.AT2 RSN5275_CHUETSU_NIGH01UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.25	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.62	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	2.59	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.38	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.97	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	2.62	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.05	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5776	Iwate Kami, Miyagi Miyazaki City 2008	6.9	25	477.55	Reverse	7.6	3.25	RSN5776_IWATE_54010NS.AT2 RSN5776_IWATE_54010EW.AT2 RSN5776_IWATE_54010UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.08	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	1.52	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	3.14	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.85	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	01 Oakland
Site Vs30 (m/s)	760
Return Period (yr)	1000

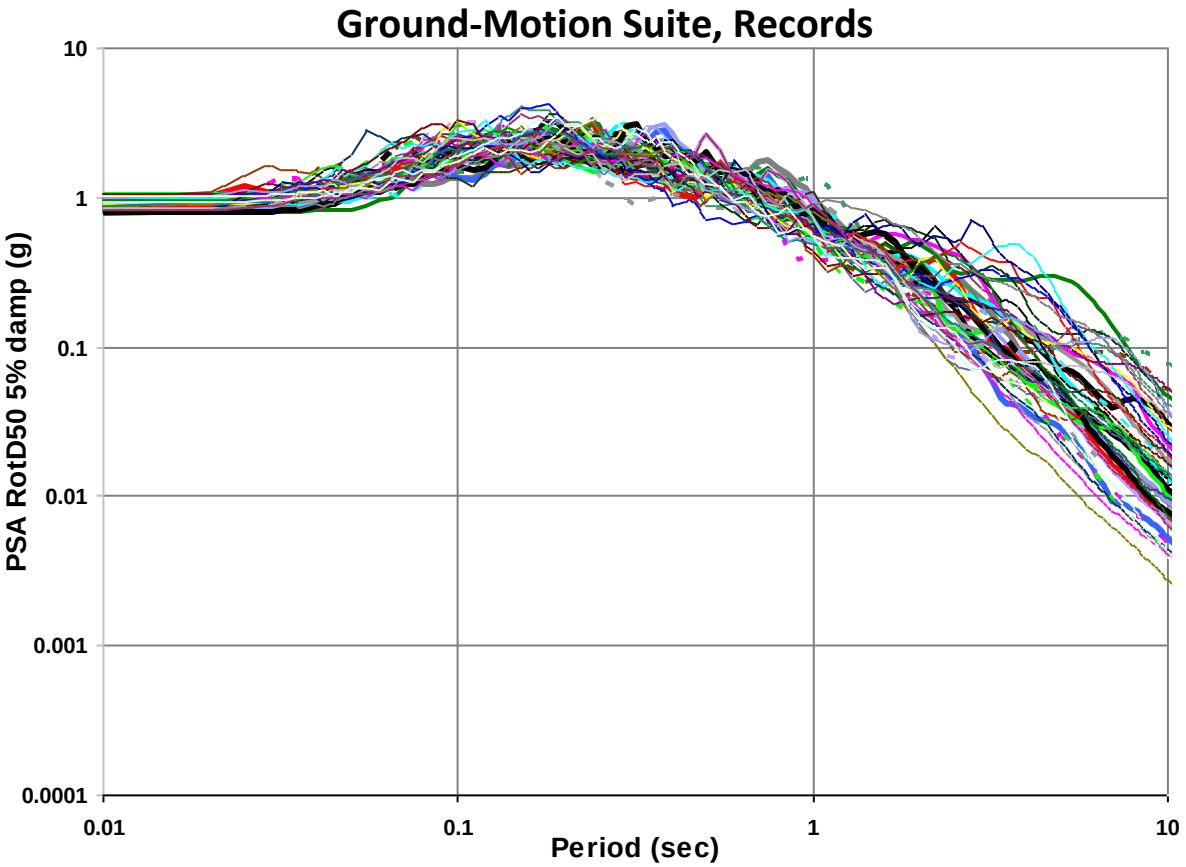
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.85	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	3.86	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.51	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	3.71	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.98	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	3.44	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	3.21	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	2.49	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	3.17	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.06	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	3.8	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.88	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2

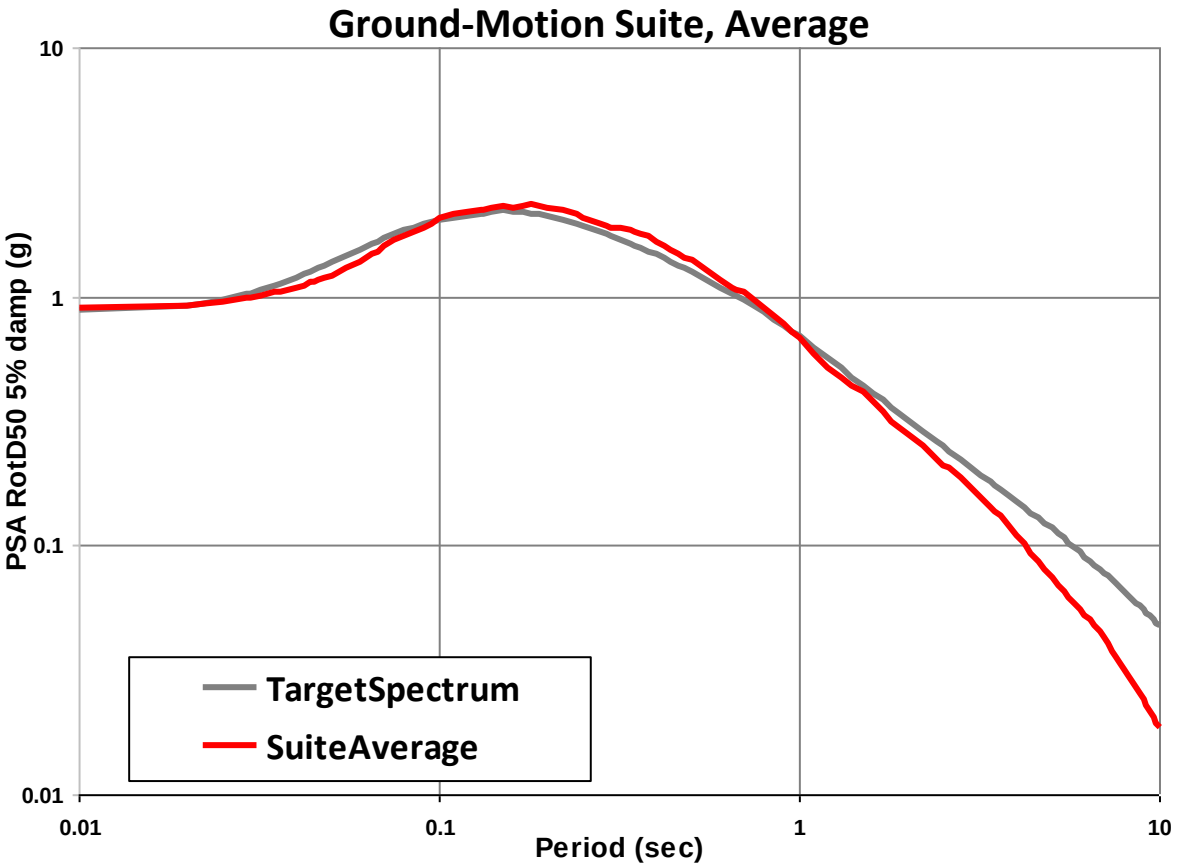
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.19	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.87	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	3.56	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	1.93	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	3.63	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.12	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	1.49	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	1.86	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	2.98	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	3.7	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.43	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	1.82	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	2.36	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	2.03	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.53	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.98	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.26	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	3.6	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.2	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4787	Wenchuan, China Jiangyoudizhentai 2008	7.9	23	475.59	Reverse O	27.2	1.4	RSN4787_WENCHUAN_UA1048.AT2 RSN4787_WENCHUAN_UA1049.AT2 RSN4787_WENCHUAN_UA1050.AT2
4848	Chuetsu-oki Joetsu Ogataku 2007	6.8	17	414.23	Reverse	4.9	2.52	RSN4848_CHUETSU_65011NS.AT2 RSN4848_CHUETSU_65011EW.AT2 RSN4848_CHUETSU_65011UD.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	3.7	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	2.25	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.65	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.14	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	3.42	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.32	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.5	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.6	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	3.45	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.7	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5799	Iwate Misato, Akita City - Tsuchizaki 2008	6.9	40	552.38	Reverse	6.5	3.89	RSN5799_IWATE_55432NS.AT2 RSN5799_IWATE_55432EW.AT2 RSN5799_IWATE_55432UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.75	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	2	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	2.44	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	2.34	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8674	40204628 Mt. Hamilton Road 2007	5.45	4	471	strike slip	1.1	3.9	RSN8674_40204628_NCCHRHNN.AT2 RSN8674_40204628_NCCHRHNE.AT2 RSN8674_40204628_NCCHRHNZ.AT2

Site	**01 Oakland**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	01 Oakland
Site Vs30 (m/s)	760
Return Period (yr)	2500

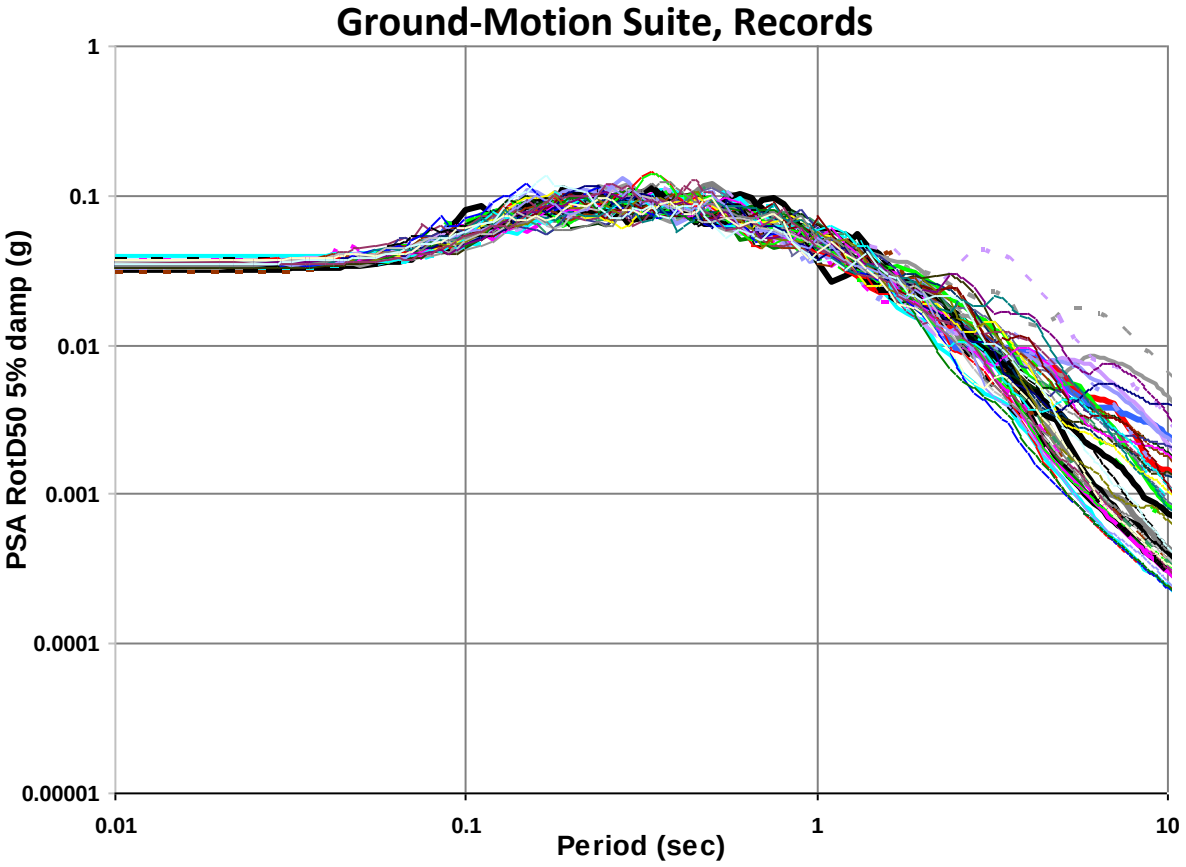
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	3.28	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	2.53	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
143	Tabas, Iran Tabas 1978	7.35	2	766.77	Reverse	8	0.95	RSN143_TABAS_TAB-L1.AT2 RSN143_TABAS_TAB-T1.AT2 RSN143_TABAS_TAB-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	2.07	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	3.4	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.82	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	2.57	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	3	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	2.23	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.88	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
990	Northridge-01 LA - City Terrace 1994	6.69	35	365.22	Reverse	6	3.44	RSN990_NORTHR_LAC090.AT2 RSN990_NORTHR_LAC180.AT2 RSN990_NORTHR_LAC-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	1.13	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2

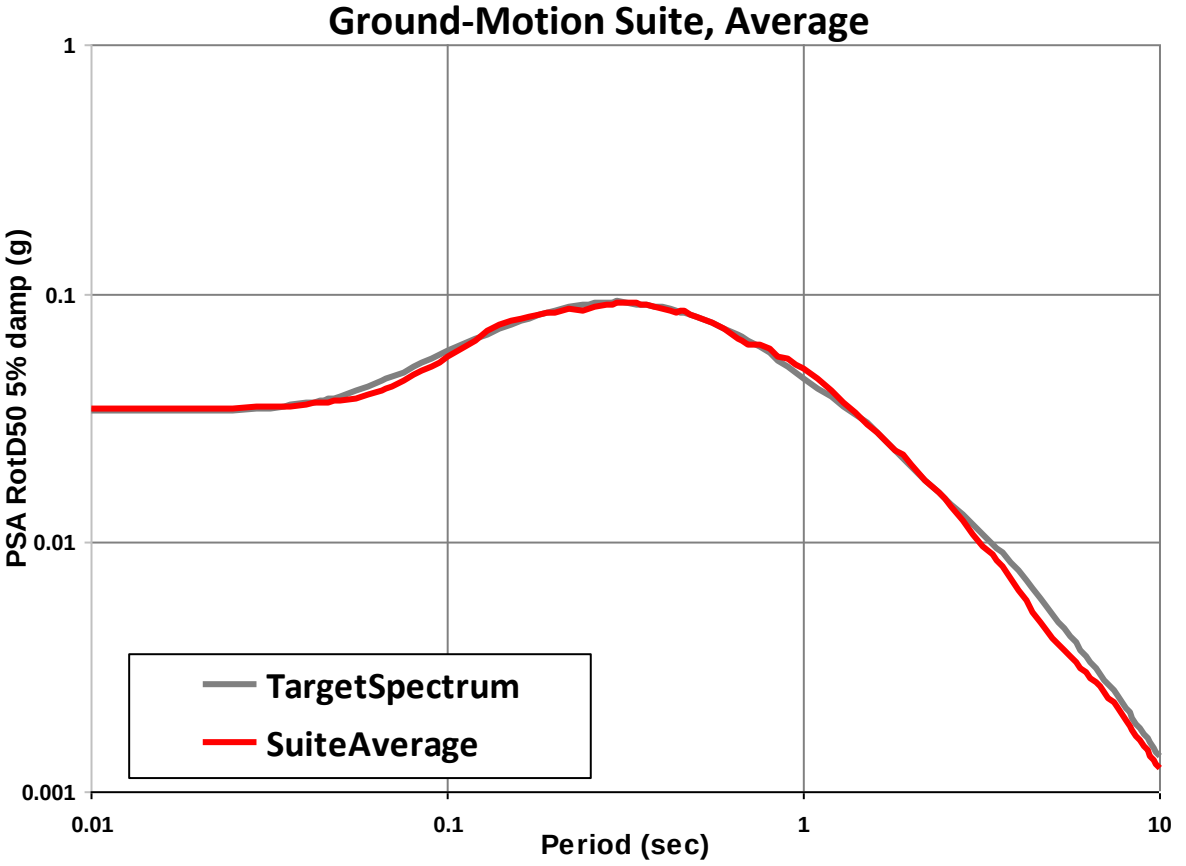
Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	2.56	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1012	Northridge-01 LA 00 1994	6.69	10	706.22	Reverse	5.1	2.72	RSN1012_NORTHR_LA0180.AT2 RSN1012_NORTHR_LA0270.AT2 RSN1012_NORTHR_LA0DWN.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	2.64	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1487	Chi-Chi, Taiwan TCU047 1999	7.62	35	520.37	Reverse O	9.7	2.18	RSN1487_CHICHI_TCU047-E.AT2 RSN1487_CHICHI_TCU047-N.AT2 RSN1487_CHICHI_TCU047-V.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.54	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	2.04	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	2.54	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.96	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	2.49	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	3.24	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	2.78	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	3.46	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	2.7	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.46	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	1.07	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.72	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	2.48	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.64	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	2.04	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4787	Wenchuan, China Jiangyoudizhentai 2008	7.9	23	475.59	Reverse O	27.2	1.92	RSN4787_WENCHUAN_UA1048.AT2 RSN4787_WENCHUAN_UA1049.AT2 RSN4787_WENCHUAN_UA1050.AT2
4848	Chuetsu-oki Joetsu Ogataku 2007	6.8	17	414.23	Reverse	4.9	3.45	RSN4848_CHUETSU_65011NS.AT2 RSN4848_CHUETSU_65011EW.AT2 RSN4848_CHUETSU_65011UD.AT2
4858	Chuetsu-oki Tokamachi Chitosecho 2007	6.8	25	640.14	Reverse	4.3	3.82	RSN4858_CHUETSU_65028NS.AT2 RSN4858_CHUETSU_65028EW.AT2 RSN4858_CHUETSU_65028UD.AT2
4873	Chuetsu-oki Kashiwazaki City Takayanagicho 2007	6.8	10	561.59	Reverse	3.5	1.78	RSN4873_CHUETSU_65056NS.AT2 RSN4873_CHUETSU_65056EW.AT2 RSN4873_CHUETSU_65056UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	3.08	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	2.26	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.93	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2

Site	01 Oakland							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.8	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.69	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5663	Iwate MYG004 2008	6.9	20	479.37	Reverse	7	1.43	RSN5663_IWATE_MYG004NS.AT2 RSN5663_IWATE_MYG004EW.AT2 RSN5663_IWATE_MYG004UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	3.55	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	3.69	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	3.7	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	3.76	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	2.74	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	3.33	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	2.64	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	3.2	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

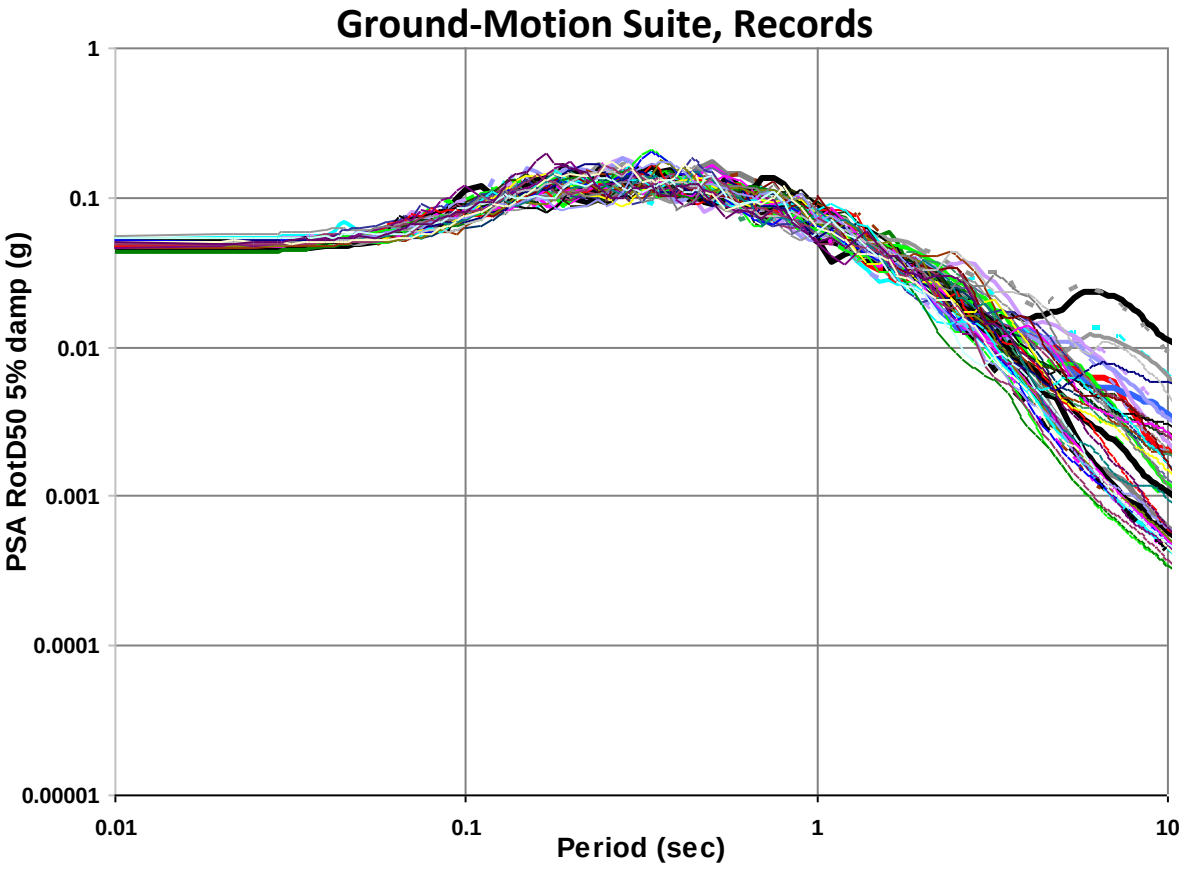
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
10	Imperial Valley-03 El Centro Array #9 1951	5.6	25	213.44	strike slip	14.5	1.17	RSN10_IMPVALL.BG_C-ELC000.AT2 RSN10_IMPVALL.BG_C-ELC090.AT2 RSN10_IMPVALL.BG_C-ELC-UP.AT2
26	Hollister-01 Hollister City Hall 1961	5.6	20	198.77	strike slip	9.3	0.38	RSN26_HOLLISTR_B-HCH181.AT2 RSN26_HOLLISTR_B-HCH271.AT2 RSN26_HOLLISTR_B-HCH-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	0.75	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	0.42	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
355	Coalinga-01 Parkfield - Gold Hill 6W 1983	6.36	47	232.44	Reverse	8.7	0.53	RSN355_COALINGA.H_H-PG6000.AT2 RSN355_COALINGA.H_H-PG6090.AT2 RSN355_COALINGA.H_H-PG6-UP.AT2
465	Morgan Hill Hollister Diff Array #4 1984	6.19	26	-999	strike slip	10.4	0.36	RSN465_MORGAN_HD4255.AT2 RSN465_MORGAN_HD4345.AT2 RSN465_MORGAN_HD4-UP.AT2
470	Morgan Hill San Juan Bautista, 24 Polk St 1984	6.19	27	335.5	strike slip	14.7	0.93	RSN470_MORGAN_SJB213.AT2 RSN470_MORGAN_SJB303.AT2 RSN470_MORGAN_SJB-UP.AT2
481	Lazio-Abruzzo, Italy Roccamonfina 1984	5.8	45	475.1	Normal	7.6	0.95	RSN481_ABRUZZO_ROC-NS.AT2 RSN481_ABRUZZO_ROC-WE.AT2 RSN481_ABRUZZO_ROC-UP.AT2
746	Loma Prieta Bear Valley #5, Callens Ranch 1989	6.93	53	391.01	Reverse O	10.9	0.51	RSN746_LOMAP_BVC220.AT2 RSN746_LOMAP_BVC310.AT2 RSN746_LOMAP_BVC-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	0.97	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2
910	Big Bear-01 Joshua Tree 1992	6.46	41	379.32	strike slip	9.8	0.55	RSN910_BIGBEAR_JOS090.AT2 RSN910_BIGBEAR_JOS360.AT2 RSN910_BIGBEAR_JOS-UP.AT2
929	Big Bear-01 Salton City 1992	6.46	130	324.5	strike slip	8.8	0.49	RSN929_BIGBEAR_SAC090.AT2 RSN929_BIGBEAR_SAC180.AT2 RSN929_BIGBEAR_SAC-UP.AT2

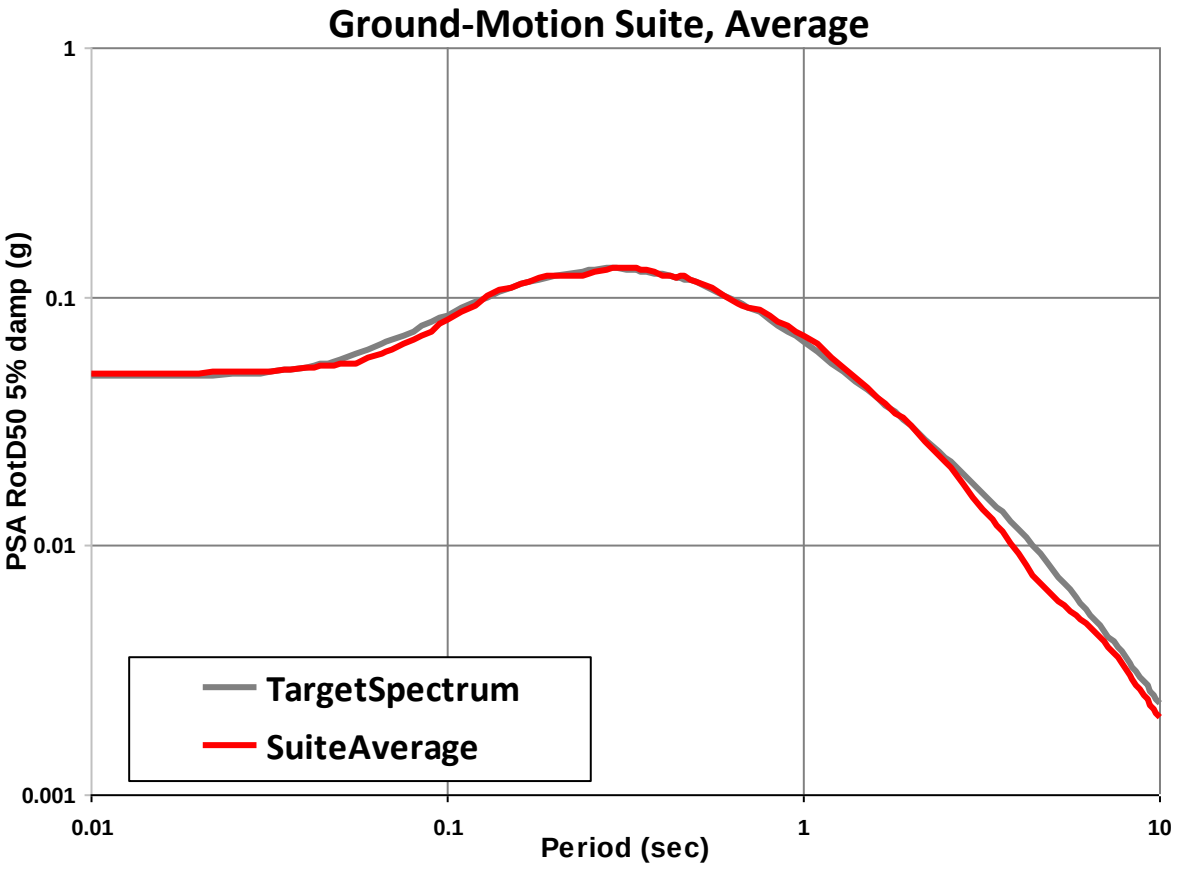
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	0.34	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	0.54	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	0.47	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
2201	Chi-Chi, Taiwan-02 CHY092 1999	5.9	50	253.72	Reverse	15.3	1.46	RSN2201_CHICHI.02_CHY092N.AT2 RSN2201_CHICHI.02_CHY092W.AT2 RSN2201_CHICHI.02_CHY092V.AT2
2220	Chi-Chi, Taiwan-02 HWA011 1999	5.9	46	355.76	Reverse	9.3	0.81	RSN2220_CHICHI.02_HWA011N.AT2 RSN2220_CHICHI.02_HWA011E.AT2 RSN2220_CHICHI.02_HWA011V.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	0.82	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2374	Chi-Chi, Taiwan-02 TCU054 1999	5.9	41	460.69	Reverse	9.7	1.49	RSN2374_CHICHI.02_TCU054N.AT2 RSN2374_CHICHI.02_TCU054E.AT2 RSN2374_CHICHI.02_TCU054V.AT2
2380	Chi-Chi, Taiwan-02 TCU061 1999	5.9	50	379.64	Reverse	10.9	1.01	RSN2380_CHICHI.02_TCU061N.AT2 RSN2380_CHICHI.02_TCU061E.AT2 RSN2380_CHICHI.02_TCU061V.AT2
2393	Chi-Chi, Taiwan-02 TCU082 1999	5.9	40	472.81	Reverse	9	1.15	RSN2393_CHICHI.02_TCU082N.AT2 RSN2393_CHICHI.02_TCU082E.AT2 RSN2393_CHICHI.02_TCU082V.AT2
2425	Chi-Chi, Taiwan-02 TCU136 1999	5.9	49	462.1	Reverse	9.1	1.46	RSN2425_CHICHI.02_TCU136N.AT2 RSN2425_CHICHI.02_TCU136W.AT2 RSN2425_CHICHI.02_TCU136V.AT2
2609	Chi-Chi, Taiwan-03 TCU053 1999	6.2	40	454.55	Reverse	6.9	1.07	RSN2609_CHICHI.03_TCU053N.AT2 RSN2609_CHICHI.03_TCU053E.AT2 RSN2609_CHICHI.03_TCU053V.AT2
2611	Chi-Chi, Taiwan-03 TCU056 1999	6.2	38	403.2	Reverse	9.4	0.86	RSN2611_CHICHI.03_TCU056N.AT2 RSN2611_CHICHI.03_TCU056E.AT2 RSN2611_CHICHI.03_TCU056V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	0.32	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
2744	Chi-Chi, Taiwan-04 CHY088 1999	6.2	48	318.52	strike slip	11.7	0.45	RSN2744_CHICHI.04_CHY088N.AT2 RSN2744_CHICHI.04_CHY088E.AT2 RSN2744_CHICHI.04_CHY088V.AT2
2784	Chi-Chi, Taiwan-04 HWA036 1999	6.2	50	503.04	strike slip	11.5	1.66	RSN2784_CHICHI.04_HWA036N.AT2 RSN2784_CHICHI.04_HWA036E.AT2 RSN2784_CHICHI.04_HWA036V.AT2
2787	Chi-Chi, Taiwan-04 HWA039 1999	6.2	50	459.67	strike slip	11	1.69	RSN2787_CHICHI.04_HWA039N.AT2 RSN2787_CHICHI.04_HWA039E.AT2 RSN2787_CHICHI.04_HWA039V.AT2
2939	Chi-Chi, Taiwan-05 CHY017 1999	6.2	98	190.57	Reverse	11.9	0.73	RSN2939_CHICHI.05_CHY017N.AT2 RSN2939_CHICHI.05_CHY017W.AT2 RSN2939_CHICHI.05_CHY017V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	0.72	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
3023	Chi-Chi, Taiwan-05 HWA036 1999	6.2	38	503.04	Reverse	7.5	0.7	RSN3023_CHICHI.05_HWA036N.AT2 RSN3023_CHICHI.05_HWA036E.AT2 RSN3023_CHICHI.05_HWA036V.AT2
3224	Chi-Chi, Taiwan-05 TTN001 1999	6.2	59	484.6	Reverse	10.5	1.01	RSN3224_CHICHI.05_TTN001N.AT2 RSN3224_CHICHI.05_TTN001W.AT2 RSN3224_CHICHI.05_TTN001V.AT2
3353	Chi-Chi, Taiwan-06 HWA044 1999	6.3	48	534.41	Reverse	12.4	1.91	RSN3353_CHICHI.06_HWA044N.AT2 RSN3353_CHICHI.06_HWA044E.AT2 RSN3353_CHICHI.06_HWA044V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	1.22	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3456	Chi-Chi, Taiwan-06 TCU049 1999	6.3	30	487.27	Reverse	9.6	0.9	RSN3456_CHICHI.06_TCU049N.AT2 RSN3456_CHICHI.06_TCU049E.AT2 RSN3456_CHICHI.06_TCU049V.AT2
3458	Chi-Chi, Taiwan-06 TCU051 1999	6.3	32	350.06	Reverse	9.7	0.68	RSN3458_CHICHI.06_TCU051N.AT2 RSN3458_CHICHI.06_TCU051E.AT2 RSN3458_CHICHI.06_TCU051V.AT2
3481	Chi-Chi, Taiwan-06 TCU087 1999	6.3	41	538.69	Reverse	13.6	1.51	RSN3481_CHICHI.06_TCU087N.AT2 RSN3481_CHICHI.06_TCU087E.AT2 RSN3481_CHICHI.06_TCU087V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	0.42	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	0.28	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3508	Chi-Chi, Taiwan-06 TCU136 1999	6.3	39	462.1	Reverse	12	1.17	RSN3508_CHICHI.06_TCU136N.AT2 RSN3508_CHICHI.06_TCU136W.AT2 RSN3508_CHICHI.06_TCU136V.AT2
3566	Taiwan SMART1(5) SMART1 M08 1981	5.9	25	301.05	Reverse	5.6	0.37	RSN3566_SMART1.05_05M08EW.AT RSN3566_SMART1.05_05M08NS.AT2 RSN3566_SMART1.05_05M08DN.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	0.47	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
3740	Whittier Narrows-02 Sylmar - Sayre St 1987	5.27	39	348.87	Reverse O	5.5	2.86	RSN3740_WHITTIER.B_B-SAY045.AT2 RSN3740_WHITTIER.B_B-SAY315.AT2 RSN3740_WHITTIER.B_B-SAY-UP.AT2
4078	Parkfield-02, CA Coalinga - Fire Station 39 2004	6	22	333.61	strike slip	10.9	0.59	RSN4078_PARK2004_COA090.AT2 RSN4078_PARK2004_COA360.AT2 RSN4078_PARK2004_COA-UP.AT2
4466	L'Aquila, Italy Carsoli 1 2009	6.3	33	415.23	Normal	9.8	1.96	RSN4466_L-AQUILA_BY003XTE.AT2 RSN4466_L-AQUILA_BY003YLN.AT2 RSN4466_L-AQUILA_BY003ZUP.AT2
5865	El Mayor-Cucapah Palm Springs Airport 2010	7.2	148	312.47	strike slip	16	1.09	RSN5865_SIERRA.MEX_PSA360.AT2 RSN5865_SIERRA.MEX_PSA090.AT2 RSN5865_SIERRA.MEX_PSA-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	0.31	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8705	40204628 Saratoga Golf Course 2007	5.45	29	376	strike slip	8.2	2.56	RSN8705_40204628_NJSGBHNN.AT2 RSN8705_40204628_NJSGBHNE.AT2 RSN8705_40204628_NJSGBHNZ.AT2
8805	14383980 Kerckhoff Marine Laboratory 2008	5.39	39	389.87	Reverse O	5.4	3.02	RSN8805_14383980_CIKMLHNN.AT2 RSN8805_14383980_CIKMLHNE.AT2 RSN8805_14383980_CIKMLHNZ.AT2
8908	14383980 Los Angeles - Olive & Pico 2008	5.39	44	305.01	Reverse O	10.5	1.8	RSN8908_14383980_24838360.AT2 RSN8908_14383980_24838090.AT2 RSN8908_14383980_24838-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

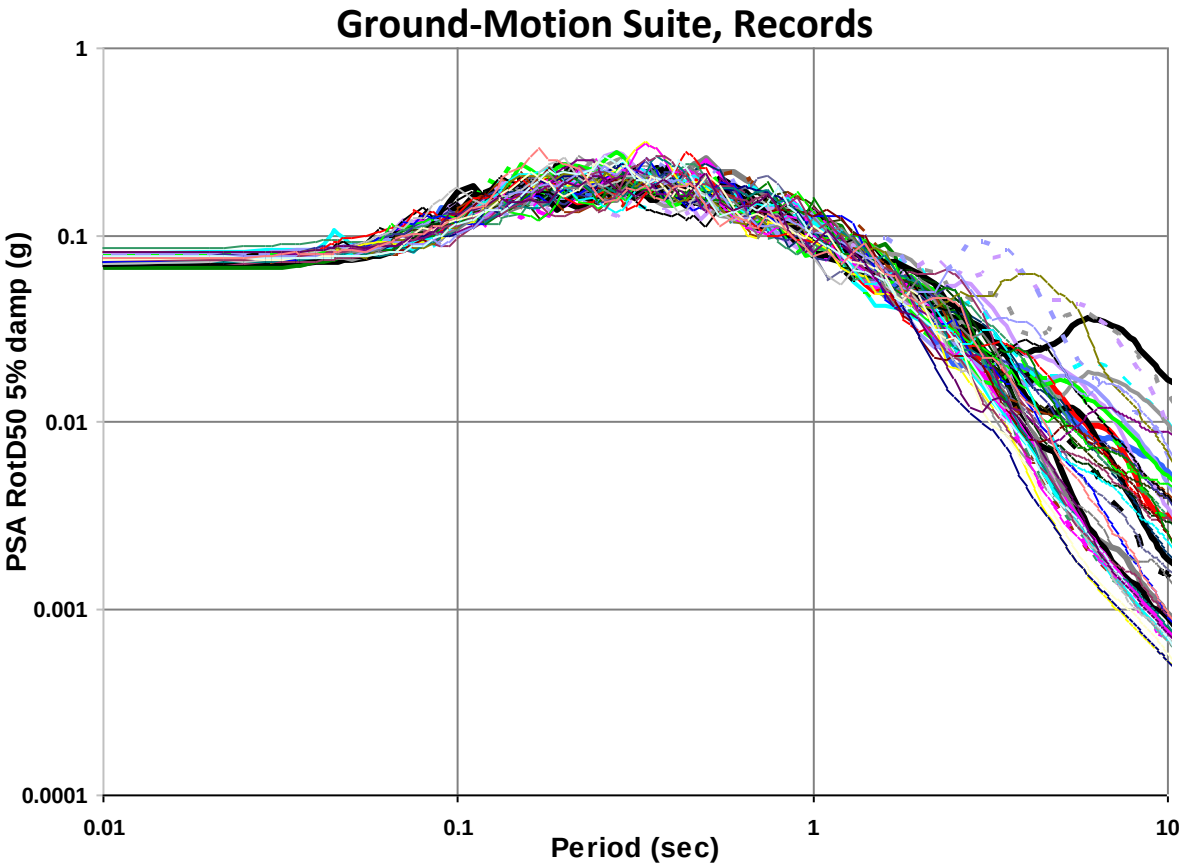
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
10	Imperial Valley-03 El Centro Array #9 1951	5.6	25	213.44	strike slip	14.5	1.66	RSN10_IMPVALL.BG_C-ELC000.AT2 RSN10_IMPVALL.BG_C-ELC090.AT2 RSN10_IMPVALL.BG_C-ELC-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	1.07	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	0.6	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
355	Coalinga-01 Parkfield - Gold Hill 6W 1983	6.36	47	232.44	Reverse	8.7	0.76	RSN355_COALINGA.H_H-PG6000.AT2 RSN355_COALINGA.H_H-PG6090.AT2 RSN355_COALINGA.H_H-PG6-UP.AT2
465	Morgan Hill Hollister Diff Array #4 1984	6.19	26	-999	strike slip	10.4	0.52	RSN465_MORGAN_HD4255.AT2 RSN465_MORGAN_HD4345.AT2 RSN465_MORGAN_HD4-UP.AT2
470	Morgan Hill San Juan Bautista, 24 Polk St 1984	6.19	27	335.5	strike slip	14.7	1.32	RSN470_MORGAN_SJB213.AT2 RSN470_MORGAN_SJB303.AT2 RSN470_MORGAN_SJB-UP.AT2
481	Lazio-Abruzzo, Italy Roccamonfina 1984	5.8	45	475.1	Normal	7.6	1.36	RSN481_ABRUZZO_ROC-NS.AT2 RSN481_ABRUZZO_ROC-WE.AT2 RSN481_ABRUZZO_ROC-UP.AT2
746	Loma Prieta Bear Valley #5, Callens Ranch 1989	6.93	53	391.01	Reverse O	10.9	0.73	RSN746_LOMAP_BVC220.AT2 RSN746_LOMAP_BVC310.AT2 RSN746_LOMAP_BVC-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	1.39	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2
910	Big Bear-01 Joshua Tree 1992	6.46	41	379.32	strike slip	9.8	0.79	RSN910_BIGBEAR_JOS090.AT2 RSN910_BIGBEAR_JOS360.AT2 RSN910_BIGBEAR_JOS-UP.AT2
929	Big Bear-01 Salton City 1992	6.46	130	324.5	strike slip	8.8	0.7	RSN929_BIGBEAR_SAC090.AT2 RSN929_BIGBEAR_SAC180.AT2 RSN929_BIGBEAR_SAC-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	0.48	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2

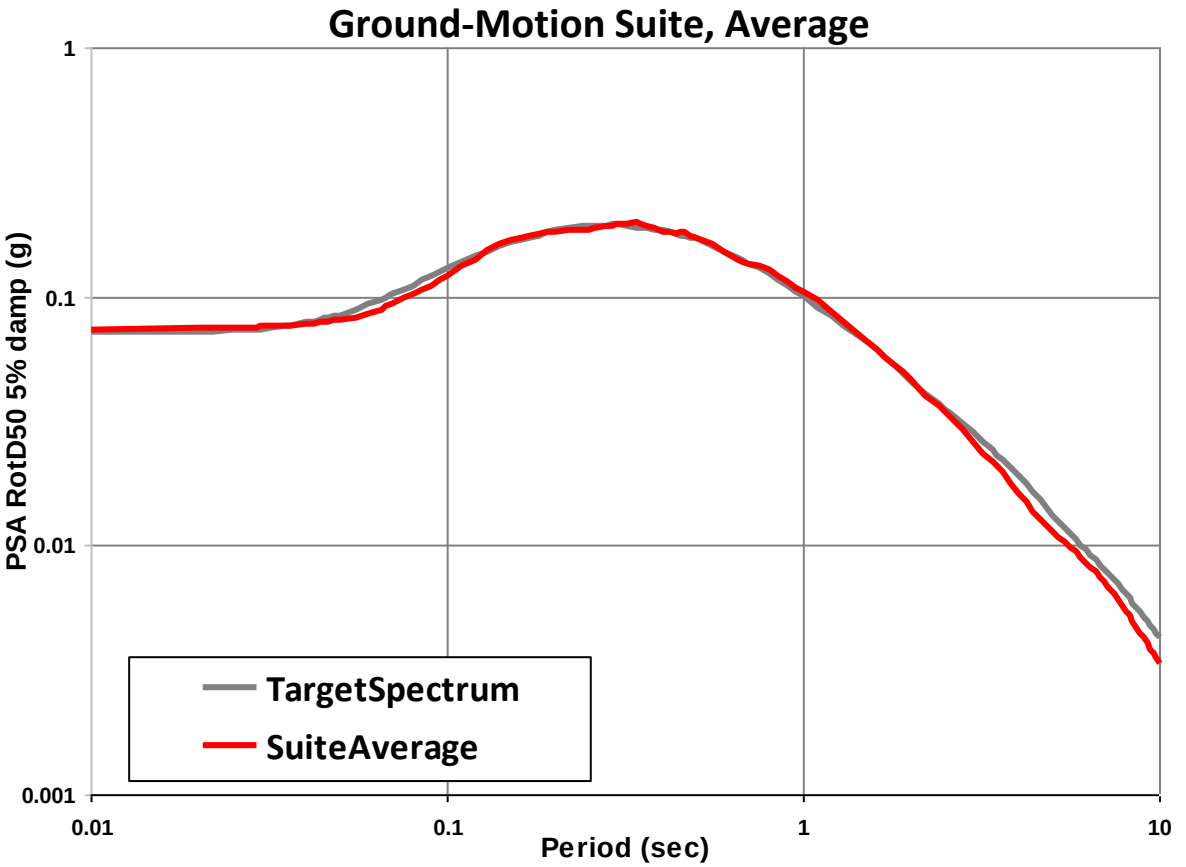
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	0.77	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	0.67	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1830	Hector Mine San Bernardino - N Verdemont Sch 1999	7.13	105	495.59	strike slip	13.8	1.25	RSN1830_HECTOR_NVE090.AT2 RSN1830_HECTOR_NVE360.AT2 RSN1830_HECTOR_NVE-UP.AT2
2201	Chi-Chi, Taiwan-02 CHY092 1999	5.9	50	253.72	Reverse	15.3	2.08	RSN2201_CHICHI.02_CHY092N.AT2 RSN2201_CHICHI.02_CHY092W.AT2 RSN2201_CHICHI.02_CHY092V.AT2
2220	Chi-Chi, Taiwan-02 HWA011 1999	5.9	46	355.76	Reverse	9.3	1.16	RSN2220_CHICHI.02_HWA011N.AT2 RSN2220_CHICHI.02_HWA011E.AT2 RSN2220_CHICHI.02_HWA011V.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	1.17	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2374	Chi-Chi, Taiwan-02 TCU054 1999	5.9	41	460.69	Reverse	9.7	2.12	RSN2374_CHICHI.02_TCU054N.AT2 RSN2374_CHICHI.02_TCU054E.AT2 RSN2374_CHICHI.02_TCU054V.AT2
2380	Chi-Chi, Taiwan-02 TCU061 1999	5.9	50	379.64	Reverse	10.9	1.43	RSN2380_CHICHI.02_TCU061N.AT2 RSN2380_CHICHI.02_TCU061E.AT2 RSN2380_CHICHI.02_TCU061V.AT2
2393	Chi-Chi, Taiwan-02 TCU082 1999	5.9	40	472.81	Reverse	9	1.64	RSN2393_CHICHI.02_TCU082N.AT2 RSN2393_CHICHI.02_TCU082E.AT2 RSN2393_CHICHI.02_TCU082V.AT2
2605	Chi-Chi, Taiwan-03 TCU049 1999	6.2	38	487.27	Reverse	7.3	1.68	RSN2605_CHICHI.03_TCU049N.AT2 RSN2605_CHICHI.03_TCU049E.AT2 RSN2605_CHICHI.03_TCU049V.AT2
2609	Chi-Chi, Taiwan-03 TCU053 1999	6.2	40	454.55	Reverse	6.9	1.52	RSN2609_CHICHI.03_TCU053N.AT2 RSN2609_CHICHI.03_TCU053E.AT2 RSN2609_CHICHI.03_TCU053V.AT2
2611	Chi-Chi, Taiwan-03 TCU056 1999	6.2	38	403.2	Reverse	9.4	1.23	RSN2611_CHICHI.03_TCU056N.AT2 RSN2611_CHICHI.03_TCU056E.AT2 RSN2611_CHICHI.03_TCU056V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.27	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	0.45	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2784	Chi-Chi, Taiwan-04 HWA036 1999	6.2	50	503.04	strike slip	11.5	2.37	RSN2784_CHICHI.04_HWA036N.AT2 RSN2784_CHICHI.04_HWA036E.AT2 RSN2784_CHICHI.04_HWA036V.AT2
2787	Chi-Chi, Taiwan-04 HWA039 1999	6.2	50	459.67	strike slip	11	2.42	RSN2787_CHICHI.04_HWA039N.AT2 RSN2787_CHICHI.04_HWA039E.AT2 RSN2787_CHICHI.04_HWA039V.AT2
2939	Chi-Chi, Taiwan-05 CHY017 1999	6.2	98	190.57	Reverse	11.9	1.05	RSN2939_CHICHI.05_CHY017N.AT2 RSN2939_CHICHI.05_CHY017W.AT2 RSN2939_CHICHI.05_CHY017V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	1.03	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
3023	Chi-Chi, Taiwan-05 HWA036 1999	6.2	38	503.04	Reverse	7.5	1	RSN3023_CHICHI.05_HWA036N.AT2 RSN3023_CHICHI.05_HWA036E.AT2 RSN3023_CHICHI.05_HWA036V.AT2
3224	Chi-Chi, Taiwan-05 TTN001 1999	6.2	59	484.6	Reverse	10.5	1.44	RSN3224_CHICHI.05_TTN001N.AT2 RSN3224_CHICHI.05_TTN001W.AT2 RSN3224_CHICHI.05_TTN001V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.28	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3353	Chi-Chi, Taiwan-06 HWA044 1999	6.3	48	534.41	Reverse	12.4	2.73	RSN3353_CHICHI.06_HWA044N.AT2 RSN3353_CHICHI.06_HWA044E.AT2 RSN3353_CHICHI.06_HWA044V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	1.74	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3456	Chi-Chi, Taiwan-06 TCU049 1999	6.3	30	487.27	Reverse	9.6	1.28	RSN3456_CHICHI.06_TCU049N.AT2 RSN3456_CHICHI.06_TCU049E.AT2 RSN3456_CHICHI.06_TCU049V.AT2
3458	Chi-Chi, Taiwan-06 TCU051 1999	6.3	32	350.06	Reverse	9.7	0.97	RSN3458_CHICHI.06_TCU051N.AT2 RSN3458_CHICHI.06_TCU051E.AT2 RSN3458_CHICHI.06_TCU051V.AT2
3481	Chi-Chi, Taiwan-06 TCU087 1999	6.3	41	538.69	Reverse	13.6	2.15	RSN3481_CHICHI.06_TCU087N.AT2 RSN3481_CHICHI.06_TCU087E.AT2 RSN3481_CHICHI.06_TCU087V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	0.6	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	0.4	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3508	Chi-Chi, Taiwan-06 TCU136 1999	6.3	39	462.1	Reverse	12	1.66	RSN3508_CHICHI.06_TCU136N.AT2 RSN3508_CHICHI.06_TCU136W.AT2 RSN3508_CHICHI.06_TCU136V.AT2
3566	Taiwan SMART1(5) SMART1 M08 1981	5.9	25	301.05	Reverse	5.6	0.53	RSN3566_SMART1.05_05M08EW.AT RSN3566_SMART1.05_05M08NS.AT2 RSN3566_SMART1.05_05M08DN.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	0.67	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
4078	Parkfield-02, CA Coalinga - Fire Station 39 2004	6	22	333.61	strike slip	10.9	0.84	RSN4078_PARK2004_COA090.AT2 RSN4078_PARK2004_COA360.AT2 RSN4078_PARK2004_COA-UP.AT2
4466	L'Aquila, Italy Carsoli 1 2009	6.3	33	415.23	Normal	9.8	2.8	RSN4466_L-AQUILA_BY003XTE.AT2 RSN4466_L-AQUILA_BY003YLN.AT2 RSN4466_L-AQUILA_BY003ZUP.AT2
5865	El Mayor-Cucapah Palm Springs Airport 2010	7.2	148	312.47	strike slip	16	1.55	RSN5865_SIERRA.MEX_PSA360.AT2 RSN5865_SIERRA.MEX_PSA090.AT2 RSN5865_SIERRA.MEX_PSA-UP.AT2
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	0.33	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.34	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	0.44	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8705	40204628 Saratoga Golf Course 2007	5.45	29	376	strike slip	8.2	3.65	RSN8705_40204628_NJSGBHNN.AT2 RSN8705_40204628_NJSGBHNE.AT2 RSN8705_40204628_NJSGBHNZ.AT2
8908	14383980 Los Angeles - Olive & Pico 2008	5.39	44	305.01	Reverse O	10.5	2.57	RSN8908_14383980_24838360.AT2 RSN8908_14383980_24838090.AT2 RSN8908_14383980_24838-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
10	Imperial Valley-03 El Centro Array #9 1951	5.6	25	213.44	strike slip	14.5	2.52	RSN10_IMPVALL.BG_C-ELC000.AT2 RSN10_IMPVALL.BG_C-ELC090.AT2 RSN10_IMPVALL.BG_C-ELC-UP.AT2
51	San Fernando 2516 Via Tejon PV 1971	6.61	55	280.56	Reverse	26.3	2.34	RSN51_SFERN_PVE065.AT2 RSN51_SFERN_PVE155.AT2 RSN51_SFERN_PVEDWN.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	1.62	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	0.91	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
355	Coalinga-01 Parkfield - Gold Hill 6W 1983	6.36	47	232.44	Reverse	8.7	1.15	RSN355_COALINGA.H_H-PG6000.AT2 RSN355_COALINGA.H_H-PG6090.AT2 RSN355_COALINGA.H_H-PG6-UP.AT2
465	Morgan Hill Hollister Diff Array #4 1984	6.19	26	-999	strike slip	10.4	0.79	RSN465_MORGAN_HD4255.AT2 RSN465_MORGAN_HD4345.AT2 RSN465_MORGAN_HD4-UP.AT2
470	Morgan Hill San Juan Bautista, 24 Polk St 1984	6.19	27	335.5	strike slip	14.7	2	RSN470_MORGAN_SJB213.AT2 RSN470_MORGAN_SJB303.AT2 RSN470_MORGAN_SJB-UP.AT2
481	Lazio-Abruzzo, Italy Roccamonfina 1984	5.8	45	475.1	Normal	7.6	2.06	RSN481_ABRUZZO_ROC-NS.AT2 RSN481_ABRUZZO_ROC-WE.AT2 RSN481_ABRUZZO_ROC-UP.AT2
746	Loma Prieta Bear Valley #5, Callens Ranch 1989	6.93	53	391.01	Reverse O	10.9	1.1	RSN746_LOMAP_BVC220.AT2 RSN746_LOMAP_BVC310.AT2 RSN746_LOMAP_BVC-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	2.1	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2
910	Big Bear-01 Joshua Tree 1992	6.46	41	379.32	strike slip	9.8	1.19	RSN910_BIGBEAR_JOS090.AT2 RSN910_BIGBEAR_JOS360.AT2 RSN910_BIGBEAR_JOS-UP.AT2
929	Big Bear-01 Salton City 1992	6.46	130	324.5	strike slip	8.8	1.06	RSN929_BIGBEAR_SAC090.AT2 RSN929_BIGBEAR_SAC180.AT2 RSN929_BIGBEAR_SAC-UP.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	0.73	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	1.17	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	1.01	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1830	Hector Mine San Bernardino - N Verdemont Sch 1999	7.13	105	495.59	strike slip	13.8	1.89	RSN1830_HECTOR_NVE090.AT2 RSN1830_HECTOR_NVE360.AT2 RSN1830_HECTOR_NVE-UP.AT2
2201	Chi-Chi, Taiwan-02 CHY092 1999	5.9	50	253.72	Reverse	15.3	3.15	RSN2201_CHICHI.02_CHY092N.AT2 RSN2201_CHICHI.02_CHY092W.AT2 RSN2201_CHICHI.02_CHY092V.AT2
2220	Chi-Chi, Taiwan-02 HWA011 1999	5.9	46	355.76	Reverse	9.3	1.76	RSN2220_CHICHI.02_HWA011N.AT2 RSN2220_CHICHI.02_HWA011E.AT2 RSN2220_CHICHI.02_HWA011V.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	1.77	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2374	Chi-Chi, Taiwan-02 TCU054 1999	5.9	41	460.69	Reverse	9.7	3.21	RSN2374_CHICHI.02_TCU054N.AT2 RSN2374_CHICHI.02_TCU054E.AT2 RSN2374_CHICHI.02_TCU054V.AT2
2380	Chi-Chi, Taiwan-02 TCU061 1999	5.9	50	379.64	Reverse	10.9	2.17	RSN2380_CHICHI.02_TCU061N.AT2 RSN2380_CHICHI.02_TCU061E.AT2 RSN2380_CHICHI.02_TCU061V.AT2
2393	Chi-Chi, Taiwan-02 TCU082 1999	5.9	40	472.81	Reverse	9	2.48	RSN2393_CHICHI.02_TCU082N.AT2 RSN2393_CHICHI.02_TCU082E.AT2 RSN2393_CHICHI.02_TCU082V.AT2
2605	Chi-Chi, Taiwan-03 TCU049 1999	6.2	38	487.27	Reverse	7.3	2.54	RSN2605_CHICHI.03_TCU049N.AT2 RSN2605_CHICHI.03_TCU049E.AT2 RSN2605_CHICHI.03_TCU049V.AT2
2609	Chi-Chi, Taiwan-03 TCU053 1999	6.2	40	454.55	Reverse	6.9	2.3	RSN2609_CHICHI.03_TCU053N.AT2 RSN2609_CHICHI.03_TCU053E.AT2 RSN2609_CHICHI.03_TCU053V.AT2
2611	Chi-Chi, Taiwan-03 TCU056 1999	6.2	38	403.2	Reverse	9.4	1.86	RSN2611_CHICHI.03_TCU056N.AT2 RSN2611_CHICHI.03_TCU056E.AT2 RSN2611_CHICHI.03_TCU056V.AT2

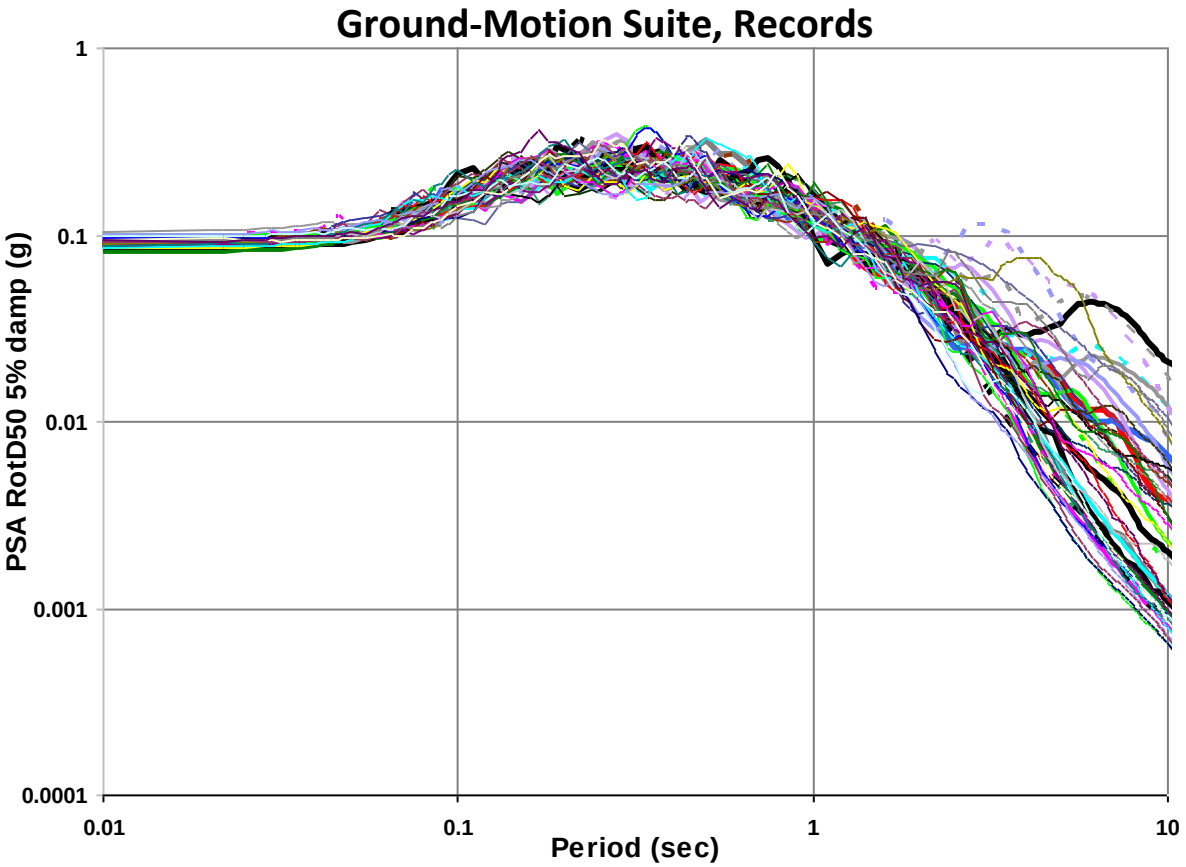
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.41	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2700	Chi-Chi, Taiwan-04 CHY025 1999	6.2	29	277.5	strike slip	12.8	1.12	RSN2700_CHICHI.04_CHY025N.AT2 RSN2700_CHICHI.04_CHY025E.AT2 RSN2700_CHICHI.04_CHY025V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	0.68	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2744	Chi-Chi, Taiwan-04 CHY088 1999	6.2	48	318.52	strike slip	11.7	0.97	RSN2744_CHICHI.04_CHY088N.AT2 RSN2744_CHICHI.04_CHY088E.AT2 RSN2744_CHICHI.04_CHY088V.AT2
2784	Chi-Chi, Taiwan-04 HWA036 1999	6.2	50	503.04	strike slip	11.5	3.59	RSN2784_CHICHI.04_HWA036N.AT2 RSN2784_CHICHI.04_HWA036E.AT2 RSN2784_CHICHI.04_HWA036V.AT2
2787	Chi-Chi, Taiwan-04 HWA039 1999	6.2	50	459.67	strike slip	11	3.65	RSN2787_CHICHI.04_HWA039N.AT2 RSN2787_CHICHI.04_HWA039E.AT2 RSN2787_CHICHI.04_HWA039V.AT2
2939	Chi-Chi, Taiwan-05 CHY017 1999	6.2	98	190.57	Reverse	11.9	1.58	RSN2939_CHICHI.05_CHY017N.AT2 RSN2939_CHICHI.05_CHY017W.AT2 RSN2939_CHICHI.05_CHY017V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	1.55	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
3023	Chi-Chi, Taiwan-05 HWA036 1999	6.2	38	503.04	Reverse	7.5	1.52	RSN3023_CHICHI.05_HWA036N.AT2 RSN3023_CHICHI.05_HWA036E.AT2 RSN3023_CHICHI.05_HWA036V.AT2
3224	Chi-Chi, Taiwan-05 TTN001 1999	6.2	59	484.6	Reverse	10.5	2.18	RSN3224_CHICHI.05_TTN001N.AT2 RSN3224_CHICHI.05_TTN001W.AT2 RSN3224_CHICHI.05_TTN001V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.42	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	2.64	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3456	Chi-Chi, Taiwan-06 TCU049 1999	6.3	30	487.27	Reverse	9.6	1.93	RSN3456_CHICHI.06_TCU049N.AT2 RSN3456_CHICHI.06_TCU049E.AT2 RSN3456_CHICHI.06_TCU049V.AT2

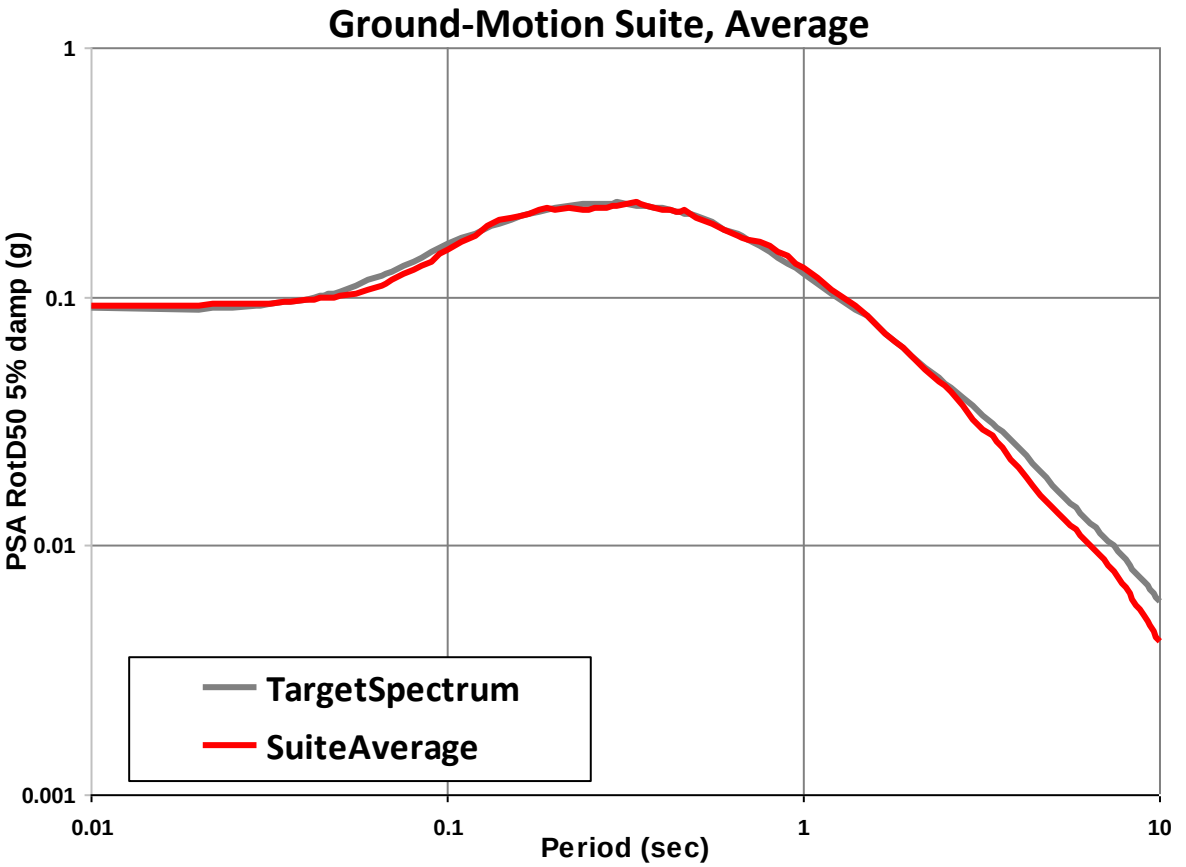
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
3458	Chi-Chi, Taiwan-06 TCU051 1999	6.3	32	350.06	Reverse	9.7	1.46	RSN3458_CHICHI.06_TCU051N.AT2 RSN3458_CHICHI.06_TCU051E.AT2 RSN3458_CHICHI.06_TCU051V.AT2
3481	Chi-Chi, Taiwan-06 TCU087 1999	6.3	41	538.69	Reverse	13.6	3.25	RSN3481_CHICHI.06_TCU087N.AT2 RSN3481_CHICHI.06_TCU087E.AT2 RSN3481_CHICHI.06_TCU087V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	0.91	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3502	Chi-Chi, Taiwan-06 TCU120 1999	6.3	31	459.34	Reverse	12.2	1.2	RSN3502_CHICHI.06_TCU120N.AT2 RSN3502_CHICHI.06_TCU120E.AT2 RSN3502_CHICHI.06_TCU120V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	0.61	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3508	Chi-Chi, Taiwan-06 TCU136 1999	6.3	39	462.1	Reverse	12	2.52	RSN3508_CHICHI.06_TCU136N.AT2 RSN3508_CHICHI.06_TCU136W.AT2 RSN3508_CHICHI.06_TCU136V.AT2
3566	Taiwan SMART1(5) SMART1 M08 1981	5.9	25	301.05	Reverse	5.6	0.81	RSN3566_SMART1.05_05M08EW.AT RSN3566_SMART1.05_05M08NS.AT2 RSN3566_SMART1.05_05M08DN.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	1.01	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
4078	Parkfield-02, CA Coalinga - Fire Station 39 2004	6	22	333.61	strike slip	10.9	1.27	RSN4078_PARK2004_COA090.AT2 RSN4078_PARK2004_COA360.AT2 RSN4078_PARK2004_COA-UP.AT2
5865	El Mayor-Cucapah Palm Springs Airport 2010	7.2	148	312.47	strike slip	16	2.35	RSN5865_SIERRA.MEX_PSA360.AT2 RSN5865_SIERRA.MEX_PSA090.AT2 RSN5865_SIERRA.MEX_PSA-UP.AT2
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	0.51	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.52	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	0.67	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

8908	14383980	5.39	44	305.01	Reverse O	10.5	3.89	RSN8908_14383980_24838360.AT2
	Los Angeles - Olive & Pico							RSN8908_14383980_24838090.AT2
	2008							RSN8908_14383980_24838-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

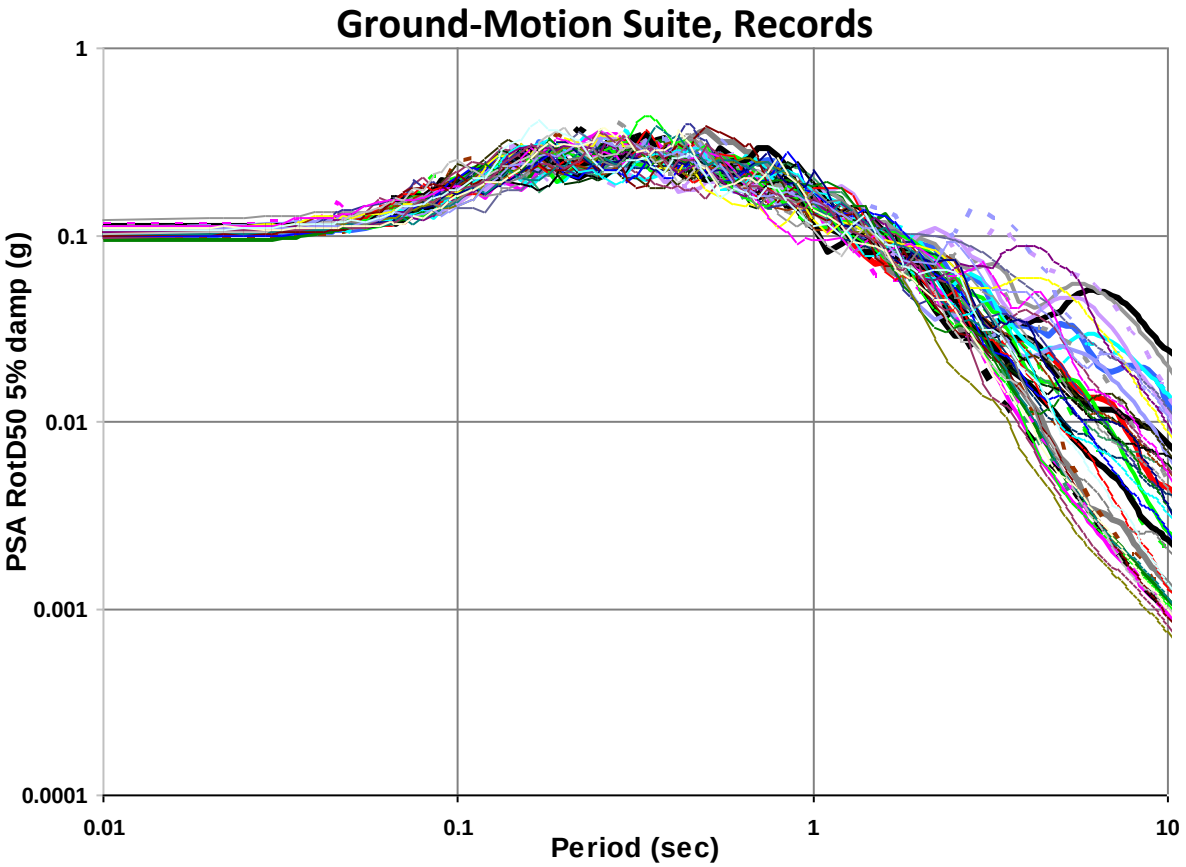
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
10	Imperial Valley-03 El Centro Array #9 1951	5.6	25	213.44	strike slip	14.5	3.12	RSN10_IMPVALL.BG_C-ELC000.AT2 RSN10_IMPVALL.BG_C-ELC090.AT2 RSN10_IMPVALL.BG_C-ELC-UP.AT2
51	San Fernando 2516 Via Tejon PV 1971	6.61	55	280.56	Reverse	26.3	2.89	RSN51_SFERN_PVE065.AT2 RSN51_SFERN_PVE155.AT2 RSN51_SFERN_PVEDWN.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	2.01	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	1.13	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	0.46	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
355	Coalinga-01 Parkfield - Gold Hill 6W 1983	6.36	47	232.44	Reverse	8.7	1.42	RSN355_COALINGA.H_H-PG6000.AT2 RSN355_COALINGA.H_H-PG6090.AT2 RSN355_COALINGA.H_H-PG6-UP.AT2
366	Coalinga-01 Parkfield - Vineyard Cany 6W 1983	6.36	40	392.24	Reverse	8.4	1.39	RSN366_COALINGA.H_H-VC6000.AT2 RSN366_COALINGA.H_H-VC6090.AT2 RSN366_COALINGA.H_H-VC6-UP.AT2
465	Morgan Hill Hollister Diff Array #4 1984	6.19	26	-999	strike slip	10.4	0.97	RSN465_MORGAN_HD4255.AT2 RSN465_MORGAN_HD4345.AT2 RSN465_MORGAN_HD4-UP.AT2
470	Morgan Hill San Juan Bautista, 24 Polk St 1984	6.19	27	335.5	strike slip	14.7	2.48	RSN470_MORGAN_SJB213.AT2 RSN470_MORGAN_SJB303.AT2 RSN470_MORGAN_SJB-UP.AT2
481	Lazio-Abruzzo, Italy Roccamonfina 1984	5.8	45	475.1	Normal	7.6	2.55	RSN481_ABRUZZO_ROC-NS.AT2 RSN481_ABRUZZO_ROC-WE.AT2 RSN481_ABRUZZO_ROC-UP.AT2
746	Loma Prieta Bear Valley #5, Callens Ranch 1989	6.93	53	391.01	Reverse O	10.9	1.36	RSN746_LOMAP_BVC220.AT2 RSN746_LOMAP_BVC310.AT2 RSN746_LOMAP_BVC-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	2.6	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2

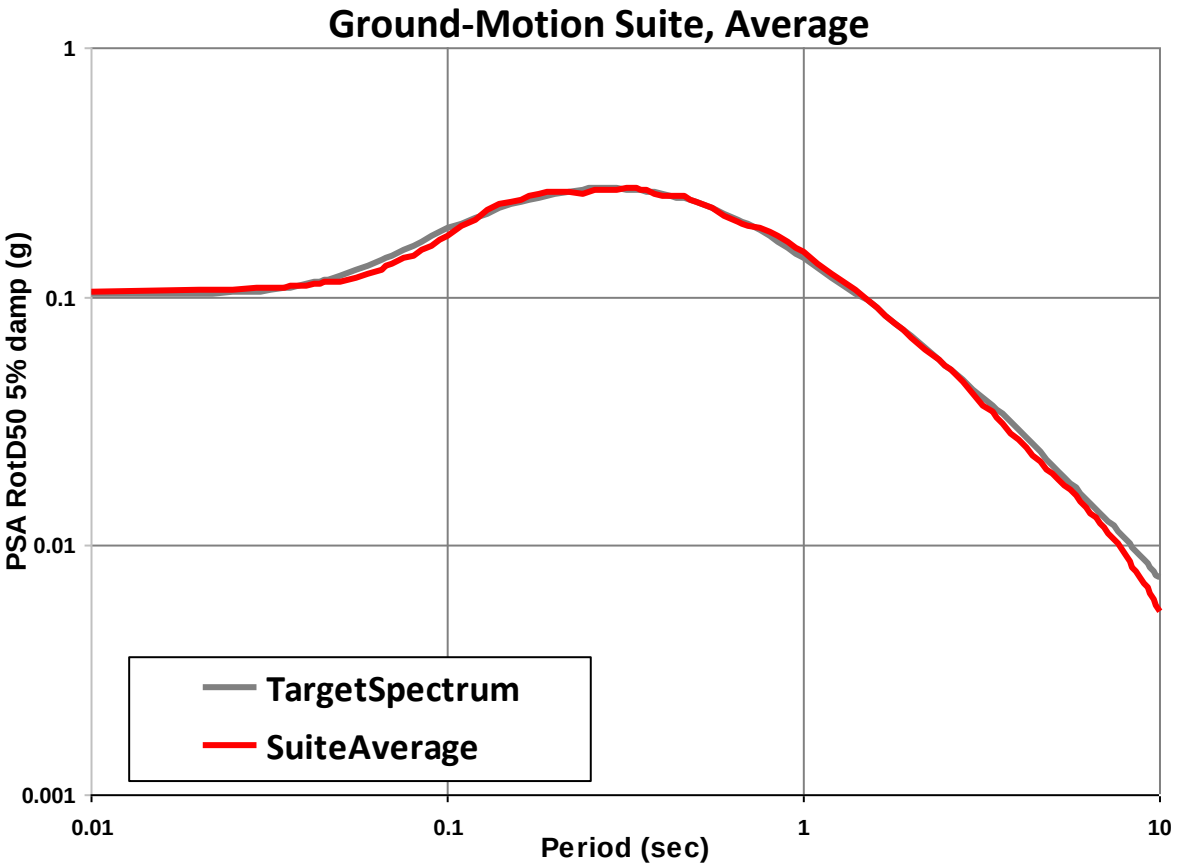
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
910	Big Bear-01 Joshua Tree 1992	6.46	41	379.32	strike slip	9.8	1.47	RSN910_BIGBEAR_JOS090.AT2 RSN910_BIGBEAR_JOS360.AT2 RSN910_BIGBEAR_JOS-UP.AT2
929	Big Bear-01 Salton City 1992	6.46	130	324.5	strike slip	8.8	1.31	RSN929_BIGBEAR_SAC090.AT2 RSN929_BIGBEAR_SAC180.AT2 RSN929_BIGBEAR_SAC-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	0.9	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	1.45	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	1.25	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1830	Hector Mine San Bernardino - N Verdemont Sch 1999	7.13	105	495.59	strike slip	13.8	2.33	RSN1830_HECTOR_NVE090.AT2 RSN1830_HECTOR_NVE360.AT2 RSN1830_HECTOR_NVE-UP.AT2
2201	Chi-Chi, Taiwan-02 CHY092 1999	5.9	50	253.72	Reverse	15.3	3.9	RSN2201_CHICHI.02_CHY092N.AT2 RSN2201_CHICHI.02_CHY092W.AT2 RSN2201_CHICHI.02_CHY092V.AT2
2220	Chi-Chi, Taiwan-02 HWA011 1999	5.9	46	355.76	Reverse	9.3	2.17	RSN2220_CHICHI.02_HWA011N.AT2 RSN2220_CHICHI.02_HWA011E.AT2 RSN2220_CHICHI.02_HWA011V.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	2.19	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2380	Chi-Chi, Taiwan-02 TCU061 1999	5.9	50	379.64	Reverse	10.9	2.68	RSN2380_CHICHI.02_TCU061N.AT2 RSN2380_CHICHI.02_TCU061E.AT2 RSN2380_CHICHI.02_TCU061V.AT2
2393	Chi-Chi, Taiwan-02 TCU082 1999	5.9	40	472.81	Reverse	9	3.06	RSN2393_CHICHI.02_TCU082N.AT2 RSN2393_CHICHI.02_TCU082E.AT2 RSN2393_CHICHI.02_TCU082V.AT2
2402	Chi-Chi, Taiwan-02 TCU098 1999	5.9	81	346.56	Reverse	14.5	3.59	RSN2402_CHICHI.02_TCU098N.AT2 RSN2402_CHICHI.02_TCU098E.AT2 RSN2402_CHICHI.02_TCU098V.AT2
2605	Chi-Chi, Taiwan-03 TCU049 1999	6.2	38	487.27	Reverse	7.3	3.15	RSN2605_CHICHI.03_TCU049N.AT2 RSN2605_CHICHI.03_TCU049E.AT2 RSN2605_CHICHI.03_TCU049V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
2609	Chi-Chi, Taiwan-03 TCU053 1999	6.2	40	454.55	Reverse	6.9	2.85	RSN2609_CHICHI.03_TCU053N.AT2 RSN2609_CHICHI.03_TCU053E.AT2 RSN2609_CHICHI.03_TCU053V.AT2
2611	Chi-Chi, Taiwan-03 TCU056 1999	6.2	38	403.2	Reverse	9.4	2.3	RSN2611_CHICHI.03_TCU056N.AT2 RSN2611_CHICHI.03_TCU056E.AT2 RSN2611_CHICHI.03_TCU056V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.51	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2700	Chi-Chi, Taiwan-04 CHY025 1999	6.2	29	277.5	strike slip	12.8	1.39	RSN2700_CHICHI.04_CHY025N.AT2 RSN2700_CHICHI.04_CHY025E.AT2 RSN2700_CHICHI.04_CHY025V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	0.85	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2744	Chi-Chi, Taiwan-04 CHY088 1999	6.2	48	318.52	strike slip	11.7	1.2	RSN2744_CHICHI.04_CHY088N.AT2 RSN2744_CHICHI.04_CHY088E.AT2 RSN2744_CHICHI.04_CHY088V.AT2
2939	Chi-Chi, Taiwan-05 CHY017 1999	6.2	98	190.57	Reverse	11.9	1.96	RSN2939_CHICHI.05_CHY017N.AT2 RSN2939_CHICHI.05_CHY017W.AT2 RSN2939_CHICHI.05_CHY017V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	1.92	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
3023	Chi-Chi, Taiwan-05 HWA036 1999	6.2	38	503.04	Reverse	7.5	1.88	RSN3023_CHICHI.05_HWA036N.AT2 RSN3023_CHICHI.05_HWA036E.AT2 RSN3023_CHICHI.05_HWA036V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.52	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	3.26	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3456	Chi-Chi, Taiwan-06 TCU049 1999	6.3	30	487.27	Reverse	9.6	2.39	RSN3456_CHICHI.06_TCU049N.AT2 RSN3456_CHICHI.06_TCU049E.AT2 RSN3456_CHICHI.06_TCU049V.AT2
3458	Chi-Chi, Taiwan-06 TCU051 1999	6.3	32	350.06	Reverse	9.7	1.81	RSN3458_CHICHI.06_TCU051N.AT2 RSN3458_CHICHI.06_TCU051E.AT2 RSN3458_CHICHI.06_TCU051V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
3494	Chi-Chi, Taiwan-06 TCU108 1999	6.3	41	260.62	Reverse	13.7	1.35	RSN3494_CHICHI.06_TCU108N.AT2 RSN3494_CHICHI.06_TCU108E.AT2 RSN3494_CHICHI.06_TCU108V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	1.13	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3502	Chi-Chi, Taiwan-06 TCU120 1999	6.3	31	459.34	Reverse	12.2	1.49	RSN3502_CHICHI.06_TCU120N.AT2 RSN3502_CHICHI.06_TCU120E.AT2 RSN3502_CHICHI.06_TCU120V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	0.75	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3508	Chi-Chi, Taiwan-06 TCU136 1999	6.3	39	462.1	Reverse	12	3.12	RSN3508_CHICHI.06_TCU136N.AT2 RSN3508_CHICHI.06_TCU136W.AT2 RSN3508_CHICHI.06_TCU136V.AT2
3566	Taiwan SMART1(5) SMART1 M08 1981	5.9	25	301.05	Reverse	5.6	1	RSN3566_SMART1.05_05M08EW.AT RSN3566_SMART1.05_05M08NS.AT2 RSN3566_SMART1.05_05M08DN.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	1.25	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
4078	Parkfield-02, CA Coalinga - Fire Station 39 2004	6	22	333.61	strike slip	10.9	1.58	RSN4078_PARK2004_COA090.AT2 RSN4078_PARK2004_COA360.AT2 RSN4078_PARK2004_COA-UP.AT2
4363	Umbria Marche (aftershock 1), Italy Bevagna 1997	5.5	17	401.34	Normal	10.1	2.27	RSN4363_UBMARCHE.P_E-BEV000.A RSN4363_UBMARCHE.P_E-BEV270.A RSN4363_UBMARCHE.P_E-BEV-DN.A
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	0.63	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.64	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	0.83	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8622	40204628 San Jose; Fire Station 09 Southwest; 2007	5.45	21	339.94	strike slip	4.7	2.75	RSN8622_40204628_N1780HNN.AT2 RSN8622_40204628_N1780HNE.AT2 RSN8622_40204628_N1780HNZ.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

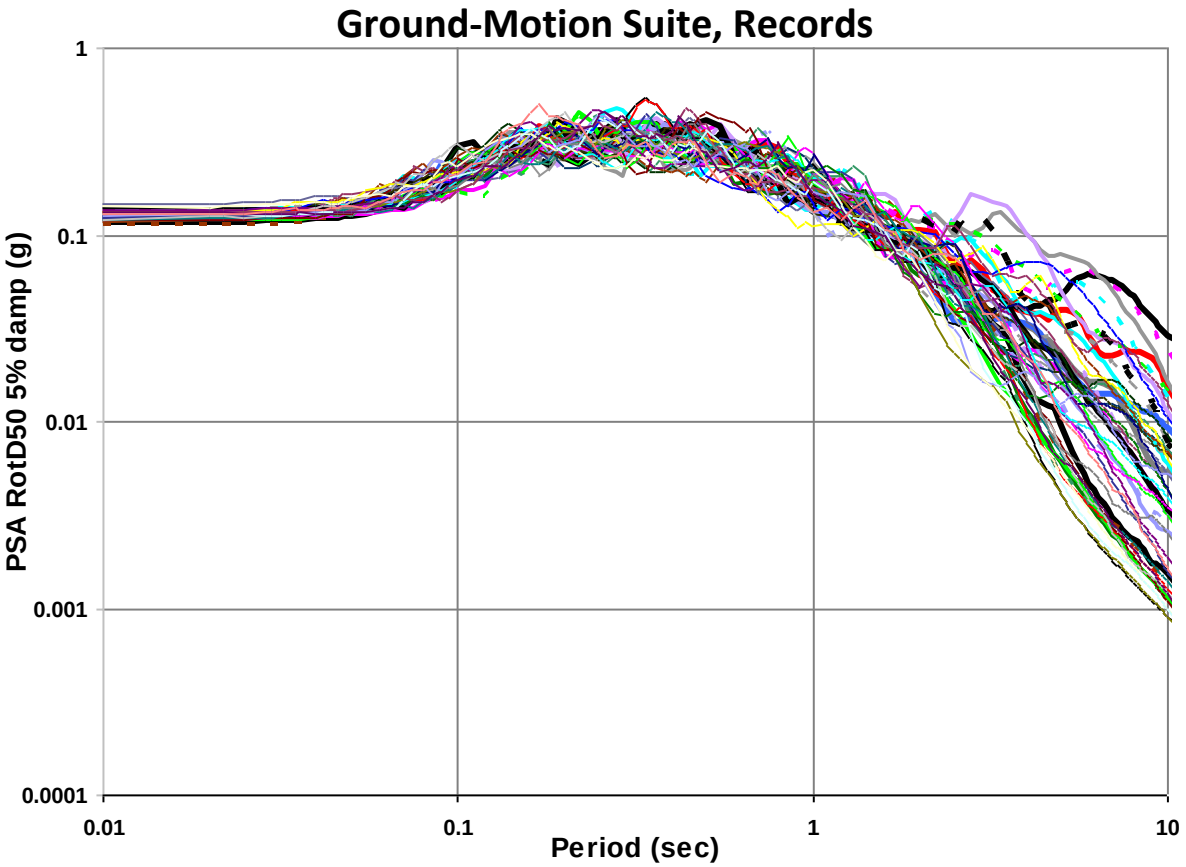
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
10	Imperial Valley-03 El Centro Array #9 1951	5.6	25	213.44	strike slip	14.5	3.59	RSN10_IMPVALL.BG_C-ELC000.AT2 RSN10_IMPVALL.BG_C-ELC090.AT2 RSN10_IMPVALL.BG_C-ELC-UP.AT2
51	San Fernando 2516 Via Tejon PV 1971	6.61	55	280.56	Reverse	26.3	3.33	RSN51_SFERN_PVE065.AT2 RSN51_SFERN_PVE155.AT2 RSN51_SFERN_PVEDWN.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	2.31	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	1.31	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	0.54	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
355	Coalinga-01 Parkfield - Gold Hill 6W 1983	6.36	47	232.44	Reverse	8.7	1.63	RSN355_COALINGA.H_H-PG6000.AT2 RSN355_COALINGA.H_H-PG6090.AT2 RSN355_COALINGA.H_H-PG6-UP.AT2
366	Coalinga-01 Parkfield - Vineyard Cany 6W 1983	6.36	40	392.24	Reverse	8.4	1.6	RSN366_COALINGA.H_H-VC6000.AT2 RSN366_COALINGA.H_H-VC6090.AT2 RSN366_COALINGA.H_H-VC6-UP.AT2
465	Morgan Hill Hollister Diff Array #4 1984	6.19	26	-999	strike slip	10.4	1.12	RSN465_MORGAN_HD4255.AT2 RSN465_MORGAN_HD4345.AT2 RSN465_MORGAN_HD4-UP.AT2
470	Morgan Hill San Juan Bautista, 24 Polk St 1984	6.19	27	335.5	strike slip	14.7	2.85	RSN470_MORGAN_SJB213.AT2 RSN470_MORGAN_SJB303.AT2 RSN470_MORGAN_SJB-UP.AT2
481	Lazio-Abruzzo, Italy Roccamonfina 1984	5.8	45	475.1	Normal	7.6	2.94	RSN481_ABRUZZO_ROC-NS.AT2 RSN481_ABRUZZO_ROC-WE.AT2 RSN481_ABRUZZO_ROC-UP.AT2
746	Loma Prieta Bear Valley #5, Callens Ranch 1989	6.93	53	391.01	Reverse O	10.9	1.57	RSN746_LOMAP_BVC220.AT2 RSN746_LOMAP_BVC310.AT2 RSN746_LOMAP_BVC-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	3	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2

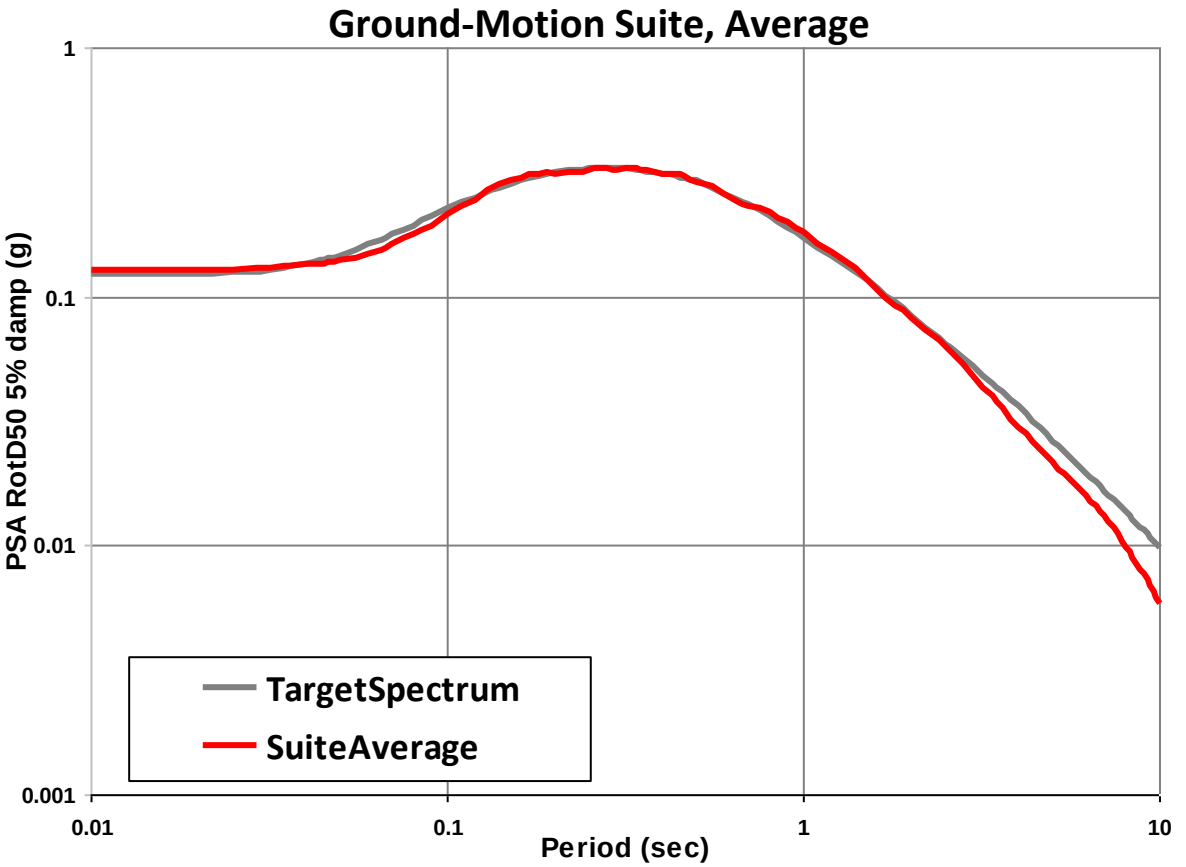
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
910	Big Bear-01 Joshua Tree 1992	6.46	41	379.32	strike slip	9.8	1.7	RSN910_BIGBEAR_JOS090.AT2 RSN910_BIGBEAR_JOS360.AT2 RSN910_BIGBEAR_JOS-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	1.04	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	1.67	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1214	Chi-Chi, Taiwan CHY057 1999	7.62	57	411.46	Reverse O	25.2	2.31	RSN1214_CHICHI_CHY057-E.AT2 RSN1214_CHICHI_CHY057-N.AT2 RSN1214_CHICHI_CHY057-V.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	1.44	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1830	Hector Mine San Bernardino - N Verdemont Sch 1999	7.13	105	495.59	strike slip	13.8	2.69	RSN1830_HECTOR_NVE090.AT2 RSN1830_HECTOR_NVE360.AT2 RSN1830_HECTOR_NVE-UP.AT2
2220	Chi-Chi, Taiwan-02 HWA011 1999	5.9	46	355.76	Reverse	9.3	2.51	RSN2220_CHICHI.02_HWA011N.AT2 RSN2220_CHICHI.02_HWA011E.AT2 RSN2220_CHICHI.02_HWA011V.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	2.53	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2380	Chi-Chi, Taiwan-02 TCU061 1999	5.9	50	379.64	Reverse	10.9	3.1	RSN2380_CHICHI.02_TCU061N.AT2 RSN2380_CHICHI.02_TCU061E.AT2 RSN2380_CHICHI.02_TCU061V.AT2
2393	Chi-Chi, Taiwan-02 TCU082 1999	5.9	40	472.81	Reverse	9	3.53	RSN2393_CHICHI.02_TCU082N.AT2 RSN2393_CHICHI.02_TCU082E.AT2 RSN2393_CHICHI.02_TCU082V.AT2
2605	Chi-Chi, Taiwan-03 TCU049 1999	6.2	38	487.27	Reverse	7.3	3.63	RSN2605_CHICHI.03_TCU049N.AT2 RSN2605_CHICHI.03_TCU049E.AT2 RSN2605_CHICHI.03_TCU049V.AT2
2609	Chi-Chi, Taiwan-03 TCU053 1999	6.2	40	454.55	Reverse	6.9	3.29	RSN2609_CHICHI.03_TCU053N.AT2 RSN2609_CHICHI.03_TCU053E.AT2 RSN2609_CHICHI.03_TCU053V.AT2
2611	Chi-Chi, Taiwan-03 TCU056 1999	6.2	38	403.2	Reverse	9.4	2.65	RSN2611_CHICHI.03_TCU056N.AT2 RSN2611_CHICHI.03_TCU056E.AT2 RSN2611_CHICHI.03_TCU056V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.59	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2699	Chi-Chi, Taiwan-04 CHY024 1999	6.2	20	427.73	strike slip	7.8	1.48	RSN2699_CHICHI.04_CHY024N.AT2 RSN2699_CHICHI.04_CHY024E.AT2 RSN2699_CHICHI.04_CHY024V.AT2
2700	Chi-Chi, Taiwan-04 CHY025 1999	6.2	29	277.5	strike slip	12.8	1.6	RSN2700_CHICHI.04_CHY025N.AT2 RSN2700_CHICHI.04_CHY025E.AT2 RSN2700_CHICHI.04_CHY025V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	0.98	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2744	Chi-Chi, Taiwan-04 CHY088 1999	6.2	48	318.52	strike slip	11.7	1.39	RSN2744_CHICHI.04_CHY088N.AT2 RSN2744_CHICHI.04_CHY088E.AT2 RSN2744_CHICHI.04_CHY088V.AT2
2939	Chi-Chi, Taiwan-05 CHY017 1999	6.2	98	190.57	Reverse	11.9	2.26	RSN2939_CHICHI.05_CHY017N.AT2 RSN2939_CHICHI.05_CHY017W.AT2 RSN2939_CHICHI.05_CHY017V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	2.22	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
3023	Chi-Chi, Taiwan-05 HWA036 1999	6.2	38	503.04	Reverse	7.5	2.16	RSN3023_CHICHI.05_HWA036N.AT2 RSN3023_CHICHI.05_HWA036E.AT2 RSN3023_CHICHI.05_HWA036V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.6	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	3.76	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3456	Chi-Chi, Taiwan-06 TCU049 1999	6.3	30	487.27	Reverse	9.6	2.76	RSN3456_CHICHI.06_TCU049N.AT2 RSN3456_CHICHI.06_TCU049E.AT2 RSN3456_CHICHI.06_TCU049V.AT2
3458	Chi-Chi, Taiwan-06 TCU051 1999	6.3	32	350.06	Reverse	9.7	2.09	RSN3458_CHICHI.06_TCU051N.AT2 RSN3458_CHICHI.06_TCU051E.AT2 RSN3458_CHICHI.06_TCU051V.AT2
3494	Chi-Chi, Taiwan-06 TCU108 1999	6.3	41	260.62	Reverse	13.7	1.56	RSN3494_CHICHI.06_TCU108N.AT2 RSN3494_CHICHI.06_TCU108E.AT2 RSN3494_CHICHI.06_TCU108V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	1.3	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3502	Chi-Chi, Taiwan-06 TCU120 1999	6.3	31	459.34	Reverse	12.2	1.72	RSN3502_CHICHI.06_TCU120N.AT2 RSN3502_CHICHI.06_TCU120E.AT2 RSN3502_CHICHI.06_TCU120V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	0.87	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3508	Chi-Chi, Taiwan-06 TCU136 1999	6.3	39	462.1	Reverse	12	3.59	RSN3508_CHICHI.06_TCU136N.AT2 RSN3508_CHICHI.06_TCU136W.AT2 RSN3508_CHICHI.06_TCU136V.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	1.44	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
3852	Chi-Chi (aftershock 3), Taiwan CHY006 1999	6.2	25	438.19	strike slip	5.8	0.96	RSN3852_CHICHI.04_CHY006N.AT2 RSN3852_CHICHI.04_CHY006E.AT2 RSN3852_CHICHI.04_CHY006V.AT2
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	0.64	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
4078	Parkfield-02, CA Coalinga - Fire Station 39 2004	6	22	333.61	strike slip	10.9	1.82	RSN4078_PARK2004_COA090.AT2 RSN4078_PARK2004_COA360.AT2 RSN4078_PARK2004_COA-UP.AT2
4363	Umbria Marche (aftershock 1), Italy Bevagna 1997	5.5	17	401.34	Normal	10.1	2.62	RSN4363_UBMARCHE.P_E-BEV000.A RSN4363_UBMARCHE.P_E-BEV270.A RSN4363_UBMARCHE.P_E-BEV-DN.A
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	0.72	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.74	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	0.95	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
26	Hollister-01 Hollister City Hall 1961	5.6	20	198.77	strike slip	9.3	1.43	RSN26_HOLLISTR_B-HCH181.AT2 RSN26_HOLLISTR_B-HCH271.AT2 RSN26_HOLLISTR_B-HCH-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	2.79	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	1.57	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	0.65	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
355	Coalinga-01 Parkfield - Gold Hill 6W 1983	6.36	47	232.44	Reverse	8.7	1.97	RSN355_COALINGA.H_H-PG6000.AT2 RSN355_COALINGA.H_H-PG6090.AT2 RSN355_COALINGA.H_H-PG6-UP.AT2
366	Coalinga-01 Parkfield - Vineyard Cany 6W 1983	6.36	40	392.24	Reverse	8.4	1.94	RSN366_COALINGA.H_H-VC6000.AT2 RSN366_COALINGA.H_H-VC6090.AT2 RSN366_COALINGA.H_H-VC6-UP.AT2
465	Morgan Hill Hollister Diff Array #4 1984	6.19	26	-999	strike slip	10.4	1.36	RSN465_MORGAN_HD4255.AT2 RSN465_MORGAN_HD4345.AT2 RSN465_MORGAN_HD4-UP.AT2
470	Morgan Hill San Juan Bautista, 24 Polk St 1984	6.19	27	335.5	strike slip	14.7	3.44	RSN470_MORGAN_SJB213.AT2 RSN470_MORGAN_SJB303.AT2 RSN470_MORGAN_SJB-UP.AT2
481	Lazio-Abruzzo, Italy Roccamonfina 1984	5.8	45	475.1	Normal	7.6	3.54	RSN481_ABRUZZO_ROC-NS.AT2 RSN481_ABRUZZO_ROC-WE.AT2 RSN481_ABRUZZO_ROC-UP.AT2
544	Chalfant Valley-01 Bishop - LADWP South St 1986	5.77	23	303.47	strike slip	10	1.37	RSN544_CHALFANT.B_B-LAD180.AT2 RSN544_CHALFANT.B_B-LAD270.AT2 RSN544_CHALFANT.B_B-LAD-UP.AT2
733	Loma Prieta APEEL 2E Hayward Muir Sch 1989	6.93	53	271.06	Reverse O	7.2	0.81	RSN733_LOMAP_A2E000.AT2 RSN733_LOMAP_A2E090.AT2 RSN733_LOMAP_A2E-UP.AT2
746	Loma Prieta Bear Valley #5, Callens Ranch 1989	6.93	53	391.01	Reverse O	10.9	1.89	RSN746_LOMAP_BVC220.AT2 RSN746_LOMAP_BVC310.AT2 RSN746_LOMAP_BVC-UP.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	3.62	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2
910	Big Bear-01 Joshua Tree 1992	6.46	41	379.32	strike slip	9.8	2.05	RSN910_BIGBEAR_JOS090.AT2 RSN910_BIGBEAR_JOS360.AT2 RSN910_BIGBEAR_JOS-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	1.25	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	2.02	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1214	Chi-Chi, Taiwan CHY057 1999	7.62	57	411.46	Reverse O	25.2	2.79	RSN1214_CHICHI_CHY057-E.AT2 RSN1214_CHICHI_CHY057-N.AT2 RSN1214_CHICHI_CHY057-V.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	1.74	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1830	Hector Mine San Bernardino - N Verdemont Sch 1999	7.13	105	495.59	strike slip	13.8	3.25	RSN1830_HECTOR_NVE090.AT2 RSN1830_HECTOR_NVE360.AT2 RSN1830_HECTOR_NVE-UP.AT2
2220	Chi-Chi, Taiwan-02 HWA011 1999	5.9	46	355.76	Reverse	9.3	3.02	RSN2220_CHICHI.02_HWA011N.AT2 RSN2220_CHICHI.02_HWA011E.AT2 RSN2220_CHICHI.02_HWA011V.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	3.05	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2380	Chi-Chi, Taiwan-02 TCU061 1999	5.9	50	379.64	Reverse	10.9	3.74	RSN2380_CHICHI.02_TCU061N.AT2 RSN2380_CHICHI.02_TCU061E.AT2 RSN2380_CHICHI.02_TCU061V.AT2
2611	Chi-Chi, Taiwan-03 TCU056 1999	6.2	38	403.2	Reverse	9.4	3.2	RSN2611_CHICHI.03_TCU056N.AT2 RSN2611_CHICHI.03_TCU056E.AT2 RSN2611_CHICHI.03_TCU056V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.71	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2699	Chi-Chi, Taiwan-04 CHY024 1999	6.2	20	427.73	strike slip	7.8	1.78	RSN2699_CHICHI.04_CHY024N.AT2 RSN2699_CHICHI.04_CHY024E.AT2 RSN2699_CHICHI.04_CHY024V.AT2

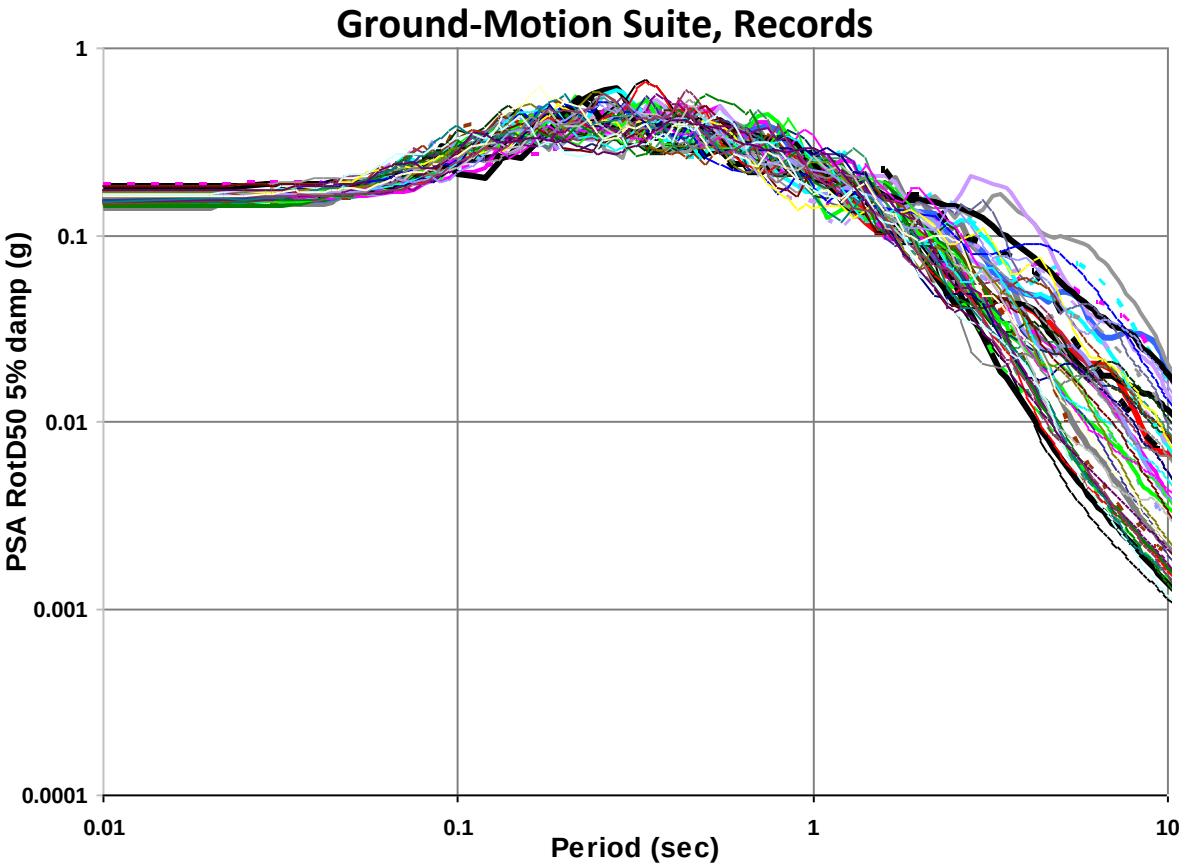
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
2700	Chi-Chi, Taiwan-04 CHY025 1999	6.2	29	277.5	strike slip	12.8	1.93	RSN2700_CHICHI.04_CHY025N.AT2 RSN2700_CHICHI.04_CHY025E.AT2 RSN2700_CHICHI.04_CHY025V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.18	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2744	Chi-Chi, Taiwan-04 CHY088 1999	6.2	48	318.52	strike slip	11.7	1.67	RSN2744_CHICHI.04_CHY088N.AT2 RSN2744_CHICHI.04_CHY088E.AT2 RSN2744_CHICHI.04_CHY088V.AT2
2939	Chi-Chi, Taiwan-05 CHY017 1999	6.2	98	190.57	Reverse	11.9	2.73	RSN2939_CHICHI.05_CHY017N.AT2 RSN2939_CHICHI.05_CHY017W.AT2 RSN2939_CHICHI.05_CHY017V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	2.68	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
3023	Chi-Chi, Taiwan-05 HWA036 1999	6.2	38	503.04	Reverse	7.5	2.61	RSN3023_CHICHI.05_HWA036N.AT2 RSN3023_CHICHI.05_HWA036E.AT2 RSN3023_CHICHI.05_HWA036V.AT2
3224	Chi-Chi, Taiwan-05 TTN001 1999	6.2	59	484.6	Reverse	10.5	3.76	RSN3224_CHICHI.05_TTN001N.AT2 RSN3224_CHICHI.05_TTN001W.AT2 RSN3224_CHICHI.05_TTN001V.AT2
3272	Chi-Chi, Taiwan-06 CHY033 1999	6.3	73	197.63	Reverse	22.1	1.67	RSN3272_CHICHI.06_CHY033N.AT2 RSN3272_CHICHI.06_CHY033E.AT2 RSN3272_CHICHI.06_CHY033V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.72	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3456	Chi-Chi, Taiwan-06 TCU049 1999	6.3	30	487.27	Reverse	9.6	3.33	RSN3456_CHICHI.06_TCU049N.AT2 RSN3456_CHICHI.06_TCU049E.AT2 RSN3456_CHICHI.06_TCU049V.AT2
3458	Chi-Chi, Taiwan-06 TCU051 1999	6.3	32	350.06	Reverse	9.7	2.52	RSN3458_CHICHI.06_TCU051N.AT2 RSN3458_CHICHI.06_TCU051E.AT2 RSN3458_CHICHI.06_TCU051V.AT2
3493	Chi-Chi, Taiwan-06 TCU107 1999	6.3	39	409	Reverse	14.6	1.69	RSN3493_CHICHI.06_TCU107N.AT2 RSN3493_CHICHI.06_TCU107E.AT2 RSN3493_CHICHI.06_TCU107V.AT2
3494	Chi-Chi, Taiwan-06 TCU108 1999	6.3	41	260.62	Reverse	13.7	1.88	RSN3494_CHICHI.06_TCU108N.AT2 RSN3494_CHICHI.06_TCU108E.AT2 RSN3494_CHICHI.06_TCU108V.AT2

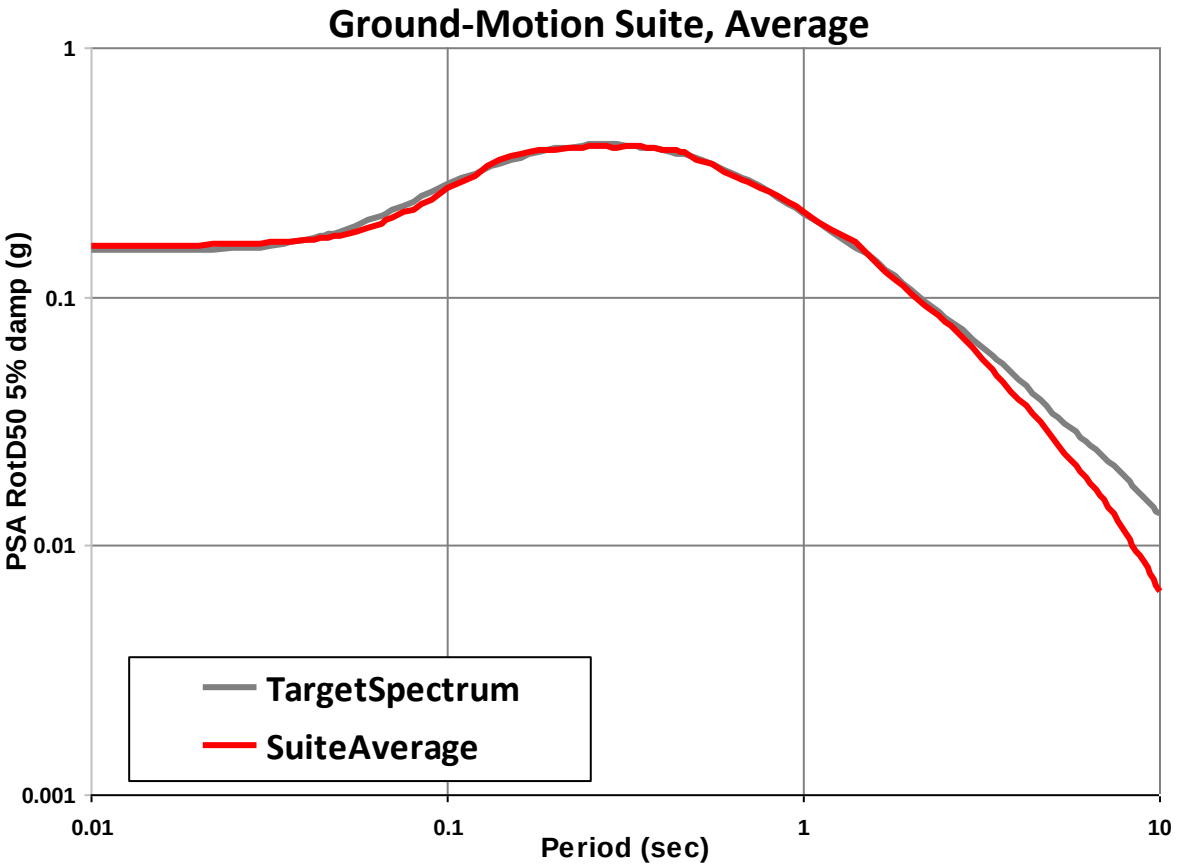
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	1.57	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3502	Chi-Chi, Taiwan-06 TCU120 1999	6.3	31	459.34	Reverse	12.2	2.07	RSN3502_CHICHI.06_TCU120N.AT2 RSN3502_CHICHI.06_TCU120E.AT2 RSN3502_CHICHI.06_TCU120V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	1.04	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3566	Taiwan SMART1(5) SMART1 M08 1981	5.9	25	301.05	Reverse	5.6	1.39	RSN3566_SMART1.05_05M08EW.AT RSN3566_SMART1.05_05M08NS.AT2 RSN3566_SMART1.05_05M08DN.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	1.74	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
3852	Chi-Chi (aftershock 3), Taiwan CHY006 1999	6.2	25	438.19	strike slip	5.8	1.15	RSN3852_CHICHI.04_CHY006N.AT2 RSN3852_CHICHI.04_CHY006E.AT2 RSN3852_CHICHI.04_CHY006V.AT2
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	0.77	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
3867	Chi-Chi (aftershock 5), Taiwan CHY010 1999	6.3	47	538.69	Reverse	6.4	1.4	RSN3867_CHICHI.06_CHY010N.AT2 RSN3867_CHICHI.06_CHY010W.AT2 RSN3867_CHICHI.06_CHY010V.AT2
4078	Parkfield-02, CA Coalinga - Fire Station 39 2004	6	22	333.61	strike slip	10.9	2.19	RSN4078_PARK2004_COA090.AT2 RSN4078_PARK2004_COA360.AT2 RSN4078_PARK2004_COA-UP.AT2
4363	Umbria Marche (aftershock 1), Italy Bevagna 1997	5.5	17	401.34	Normal	10.1	3.16	RSN4363_UBMARCHE.P_E-BEV000.A RSN4363_UBMARCHE.P_E-BEV270.A RSN4363_UBMARCHE.P_E-BEV-DN.A
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	0.87	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.89	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	1.15	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

8622	40204628 San Jose; Fire Station 09 Southwest; 2007	5.45	21	339.94	strike slip	4.7	3.82	RSN8622_40204628_N1780HNN.AT2 RSN8622_40204628_N1780HNE.AT2 RSN8622_40204628_N1780HNZ.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

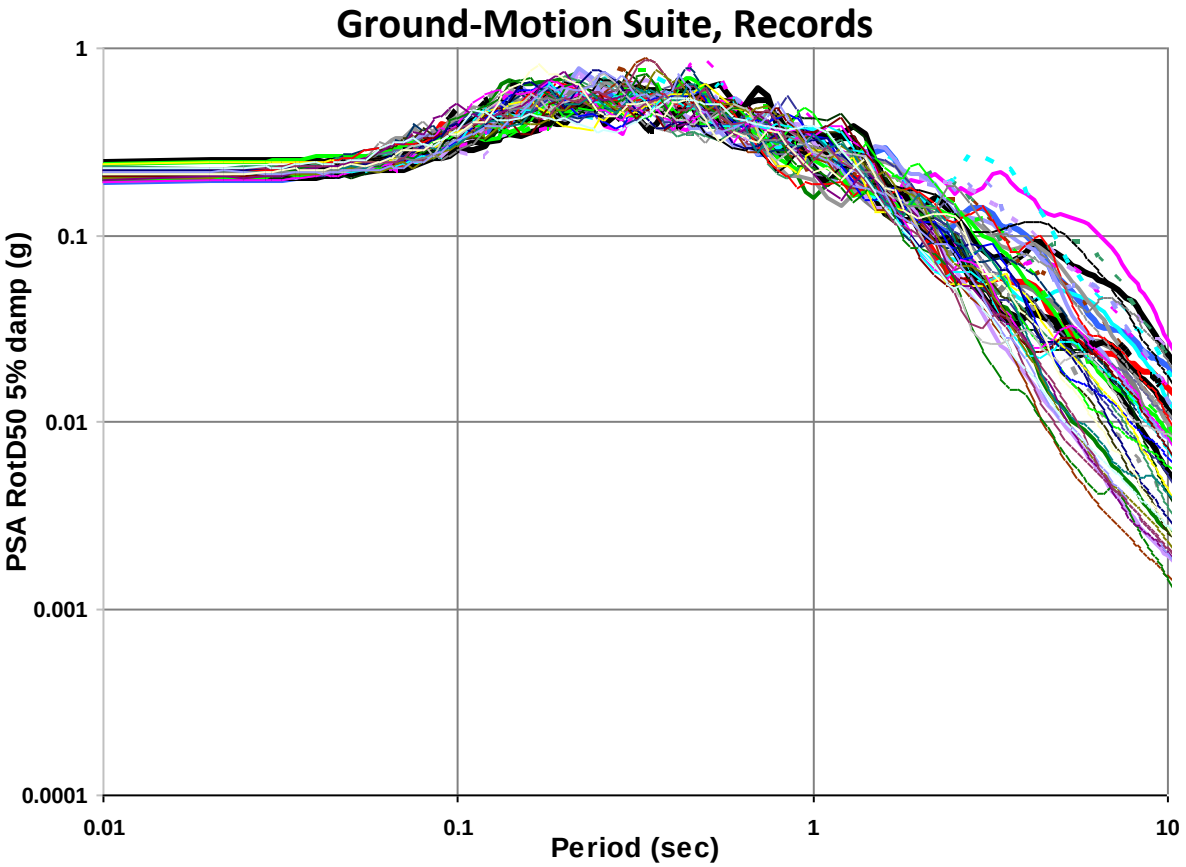
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
26	Hollister-01 Hollister City Hall 1961	5.6	20	198.77	strike slip	9.3	1.79	RSN26_HOLLISTR_B-HCH181.AT2 RSN26_HOLLISTR_B-HCH271.AT2 RSN26_HOLLISTR_B-HCH-UP.AT2
97	Point Mugu Port Hueneme 1973	5.65	15	248.98	Reverse	4.7	1.81	RSN97_PTMUGU_PHN180.AT2 RSN97_PTMUGU_PHN270.AT2 RSN97_PTMUGU_PHN-UP.AT2
135	Santa Barbara Cachuma Dam Toe 1978	5.92	24	465.51	Reverse O	2.2	3.41	RSN135_SBARB_CAD250.AT2 RSN135_SBARB_CAD340.AT2 RSN135_SBARB_CAD-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	3.49	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	1.97	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	0.81	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
355	Coalinga-01 Parkfield - Gold Hill 6W 1983	6.36	47	232.44	Reverse	8.7	2.46	RSN355_COALINGA.H_H-PG6000.AT2 RSN355_COALINGA.H_H-PG6090.AT2 RSN355_COALINGA.H_H-PG6-UP.AT2
366	Coalinga-01 Parkfield - Vineyard Cany 6W 1983	6.36	40	392.24	Reverse	8.4	2.42	RSN366_COALINGA.H_H-VC6000.AT2 RSN366_COALINGA.H_H-VC6090.AT2 RSN366_COALINGA.H_H-VC6-UP.AT2
465	Morgan Hill Hollister Diff Array #4 1984	6.19	26	-999	strike slip	10.4	1.69	RSN465_MORGAN_HD4255.AT2 RSN465_MORGAN_HD4345.AT2 RSN465_MORGAN_HD4-UP.AT2
544	Chalfant Valley-01 Bishop - LADWP South St 1986	5.77	23	303.47	strike slip	10	1.71	RSN544_CHALFANT.B_B-LAD180.AT2 RSN544_CHALFANT.B_B-LAD270.AT2 RSN544_CHALFANT.B_B-LAD-UP.AT2
733	Loma Prieta APEEL 2E Hayward Muir Sch 1989	6.93	53	271.06	Reverse O	7.2	1.01	RSN733_LOMAP_A2E000.AT2 RSN733_LOMAP_A2E090.AT2 RSN733_LOMAP_A2E-UP.AT2
746	Loma Prieta Bear Valley #5, Callens Ranch 1989	6.93	53	391.01	Reverse O	10.9	2.36	RSN746_LOMAP_BVC220.AT2 RSN746_LOMAP_BVC310.AT2 RSN746_LOMAP_BVC-UP.AT2

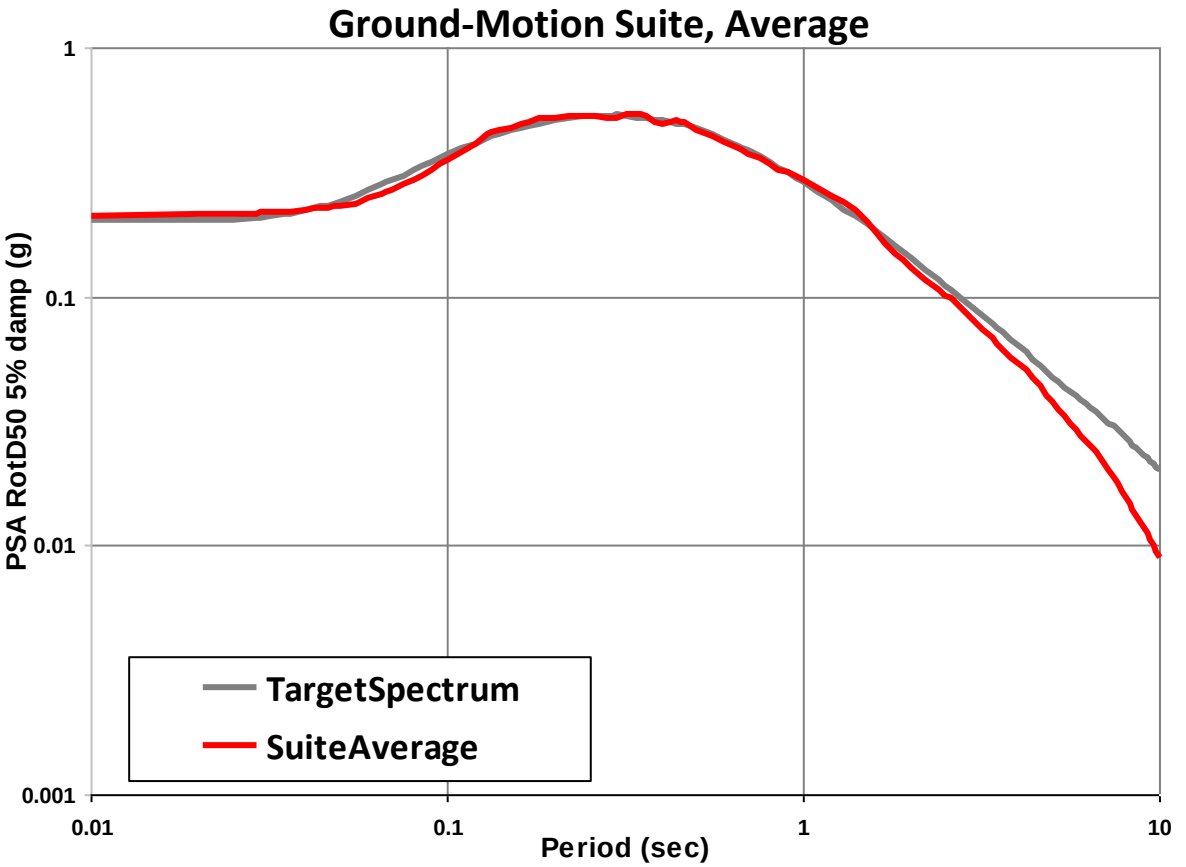
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
910	Big Bear-01 Joshua Tree 1992	6.46	41	379.32	strike slip	9.8	2.56	RSN910_BIGBEAR_JOS090.AT2 RSN910_BIGBEAR_JOS360.AT2 RSN910_BIGBEAR_JOS-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	1.56	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
932	Big Bear-01 San Jacinto - Valley Cemetary 1992	6.46	44	330.74	strike slip	12.5	3.04	RSN932_BIGBEAR_H06090.AT2 RSN932_BIGBEAR_H06360.AT2 RSN932_BIGBEAR_H06-UP.AT2
1014	Northridge-01 LB - City Hall 1994	6.69	54	322	Reverse	18.6	3.65	RSN1014_NORTHR_LBC090.AT2 RSN1014_NORTHR_LBC360.AT2 RSN1014_NORTHR_LBC-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	2.52	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1214	Chi-Chi, Taiwan CHY057 1999	7.62	57	411.46	Reverse O	25.2	3.48	RSN1214_CHICHI_CHY057-E.AT2 RSN1214_CHICHI_CHY057-N.AT2 RSN1214_CHICHI_CHY057-V.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	2.18	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
2220	Chi-Chi, Taiwan-02 HWA011 1999	5.9	46	355.76	Reverse	9.3	3.78	RSN2220_CHICHI.02_HWA011N.AT2 RSN2220_CHICHI.02_HWA011E.AT2 RSN2220_CHICHI.02_HWA011V.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	3.81	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2646	Chi-Chi, Taiwan-03 TCU109 1999	6.2	34	535.13	Reverse	9.9	2.03	RSN2646_CHICHI.03_TCU109N.AT2 RSN2646_CHICHI.03_TCU109E.AT2 RSN2646_CHICHI.03_TCU109V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.88	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2699	Chi-Chi, Taiwan-04 CHY024 1999	6.2	20	427.73	strike slip	7.8	2.22	RSN2699_CHICHI.04_CHY024N.AT2 RSN2699_CHICHI.04_CHY024E.AT2 RSN2699_CHICHI.04_CHY024V.AT2
2700	Chi-Chi, Taiwan-04 CHY025 1999	6.2	29	277.5	strike slip	12.8	2.41	RSN2700_CHICHI.04_CHY025N.AT2 RSN2700_CHICHI.04_CHY025E.AT2 RSN2700_CHICHI.04_CHY025V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.47	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2744	Chi-Chi, Taiwan-04 CHY088 1999	6.2	48	318.52	strike slip	11.7	2.09	RSN2744_CHICHI.04_CHY088N.AT2 RSN2744_CHICHI.04_CHY088E.AT2 RSN2744_CHICHI.04_CHY088V.AT2
2752	Chi-Chi, Taiwan-04 CHY101 1999	6.2	22	258.89	strike slip	8.1	0.97	RSN2752_CHICHI.04_CHY101N.AT2 RSN2752_CHICHI.04_CHY101E.AT2 RSN2752_CHICHI.04_CHY101V.AT2
2939	Chi-Chi, Taiwan-05 CHY017 1999	6.2	98	190.57	Reverse	11.9	3.41	RSN2939_CHICHI.05_CHY017N.AT2 RSN2939_CHICHI.05_CHY017W.AT2 RSN2939_CHICHI.05_CHY017V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	3.34	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
3023	Chi-Chi, Taiwan-05 HWA036 1999	6.2	38	503.04	Reverse	7.5	3.26	RSN3023_CHICHI.05_HWA036N.AT2 RSN3023_CHICHI.05_HWA036E.AT2 RSN3023_CHICHI.05_HWA036V.AT2
3264	Chi-Chi, Taiwan-06 CHY024 1999	6.3	29	427.73	Reverse	8.2	1.16	RSN3264_CHICHI.06_CHY024N.AT2 RSN3264_CHICHI.06_CHY024E.AT2 RSN3264_CHICHI.06_CHY024V.AT2
3272	Chi-Chi, Taiwan-06 CHY033 1999	6.3	73	197.63	Reverse	22.1	2.08	RSN3272_CHICHI.06_CHY033N.AT2 RSN3272_CHICHI.06_CHY033E.AT2 RSN3272_CHICHI.06_CHY033V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.9	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3458	Chi-Chi, Taiwan-06 TCU051 1999	6.3	32	350.06	Reverse	9.7	3.15	RSN3458_CHICHI.06_TCU051N.AT2 RSN3458_CHICHI.06_TCU051E.AT2 RSN3458_CHICHI.06_TCU051V.AT2
3493	Chi-Chi, Taiwan-06 TCU107 1999	6.3	39	409	Reverse	14.6	2.12	RSN3493_CHICHI.06_TCU107N.AT2 RSN3493_CHICHI.06_TCU107E.AT2 RSN3493_CHICHI.06_TCU107V.AT2
3494	Chi-Chi, Taiwan-06 TCU108 1999	6.3	41	260.62	Reverse	13.7	2.35	RSN3494_CHICHI.06_TCU108N.AT2 RSN3494_CHICHI.06_TCU108E.AT2 RSN3494_CHICHI.06_TCU108V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	1.96	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
3502	Chi-Chi, Taiwan-06 TCU120 1999	6.3	31	459.34	Reverse	12.2	2.59	RSN3502_CHICHI.06_TCU120N.AT2 RSN3502_CHICHI.06_TCU120E.AT2 RSN3502_CHICHI.06_TCU120V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	1.31	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3566	Taiwan SMART1(5) SMART1 M08 1981	5.9	25	301.05	Reverse	5.6	1.74	RSN3566_SMART1.05_05M08EW.AT RSN3566_SMART1.05_05M08NS.AT2 RSN3566_SMART1.05_05M08DN.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	2.17	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
3852	Chi-Chi (aftershock 3), Taiwan CHY006 1999	6.2	25	438.19	strike slip	5.8	1.44	RSN3852_CHICHI.04_CHY006N.AT2 RSN3852_CHICHI.04_CHY006E.AT2 RSN3852_CHICHI.04_CHY006V.AT2
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	0.96	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
3867	Chi-Chi (aftershock 5), Taiwan CHY010 1999	6.3	47	538.69	Reverse	6.4	1.74	RSN3867_CHICHI.06_CHY010N.AT2 RSN3867_CHICHI.06_CHY010W.AT2 RSN3867_CHICHI.06_CHY010V.AT2
4078	Parkfield-02, CA Coalinga - Fire Station 39 2004	6	22	333.61	strike slip	10.9	2.74	RSN4078_PARK2004_COA090.AT2 RSN4078_PARK2004_COA360.AT2 RSN4078_PARK2004_COA-UP.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	1.21	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4363	Umbria Marche (aftershock 1), Italy Bevagna 1997	5.5	17	401.34	Normal	10.1	3.95	RSN4363_UBMARCHE.P_E-BEV000.A RSN4363_UBMARCHE.P_E-BEV270.A RSN4363_UBMARCHE.P_E-BEV-DN.A
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	1.09	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.12	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	1.44	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

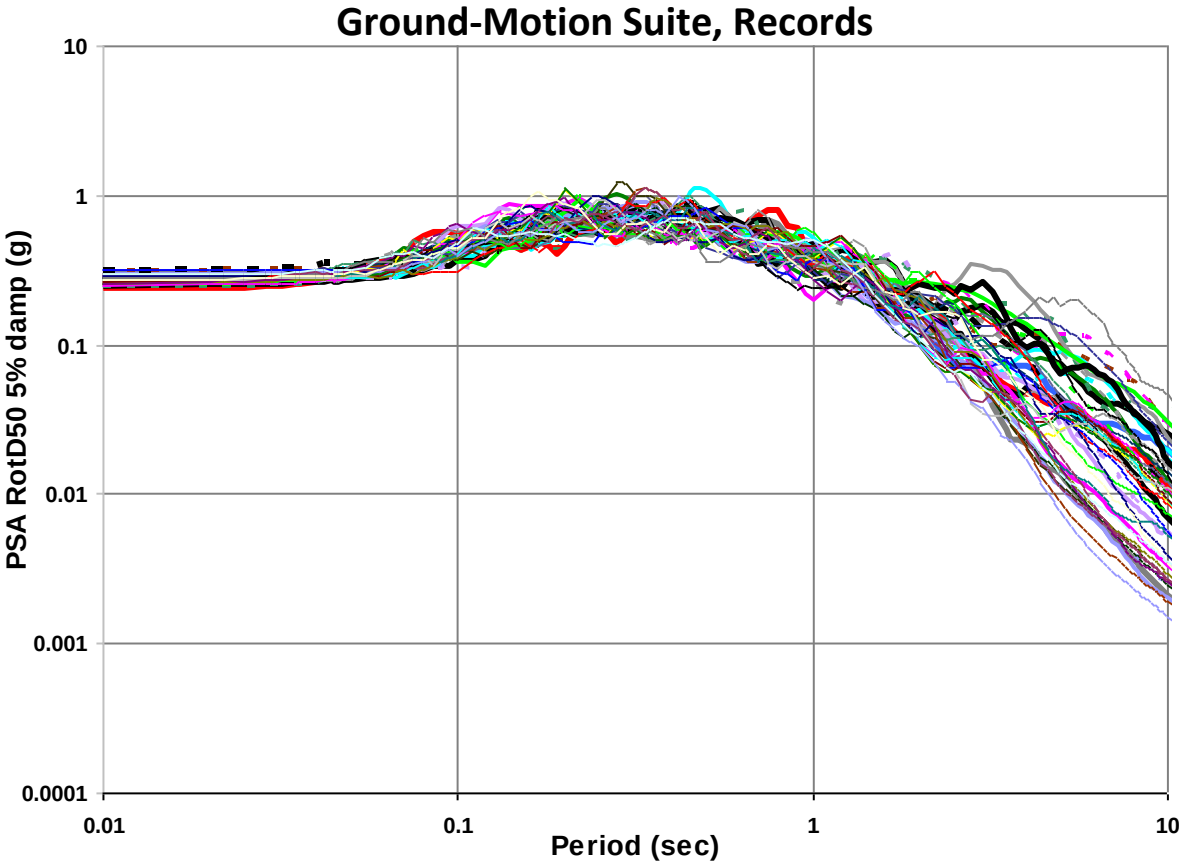
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
26	Hollister-01 Hollister City Hall 1961	5.6	20	198.77	strike slip	9.3	2.36	RSN26_HOLLISTR_B-HCH181.AT2 RSN26_HOLLISTR_B-HCH271.AT2 RSN26_HOLLISTR_B-HCH-UP.AT2
97	Point Mugu Port Hueneme 1973	5.65	15	248.98	Reverse	4.7	2.38	RSN97_PTMUGU_PHN180.AT2 RSN97_PTMUGU_PHN270.AT2 RSN97_PTMUGU_PHN-UP.AT2
268	Victoria, Mexico SAHOP Casa Flores 1980	6.33	39	259.59	strike slip	6.8	2.6	RSN268_VICT_SHP010.AT2 RSN268_VICT_SHP280.AT2 RSN268_VICT_SHP-UP.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	2.59	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	1.06	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
353	Coalinga-01 Parkfield - Gold Hill 4W 1983	6.36	40	421.2	Reverse	9.2	3.06	RSN353_COALINGA.H_H-PG4000.AT2 RSN353_COALINGA.H_H-PG4090.AT2 RSN353_COALINGA.H_H-PG4-UP.AT2
354	Coalinga-01 Parkfield - Gold Hill 5W 1983	6.36	43	441.37	Reverse	12.2	3.16	RSN354_COALINGA.H_H-PG5000.AT2 RSN354_COALINGA.H_H-PG5090.AT2 RSN354_COALINGA.H_H-PG5-UP.AT2
355	Coalinga-01 Parkfield - Gold Hill 6W 1983	6.36	47	232.44	Reverse	8.7	3.25	RSN355_COALINGA.H_H-PG6000.AT2 RSN355_COALINGA.H_H-PG6090.AT2 RSN355_COALINGA.H_H-PG6-UP.AT2
366	Coalinga-01 Parkfield - Vineyard Cany 6W 1983	6.36	40	392.24	Reverse	8.4	3.19	RSN366_COALINGA.H_H-VC6000.AT2 RSN366_COALINGA.H_H-VC6090.AT2 RSN366_COALINGA.H_H-VC6-UP.AT2
464	Morgan Hill Hollister Differential Array #3 1984	6.19	26	215.54	strike slip	10.8	2.58	RSN464_MORGAN_HD3255.AT2 RSN464_MORGAN_HD3345.AT2 RSN464_MORGAN_HD3-UP.AT2
465	Morgan Hill Hollister Diff Array #4 1984	6.19	26	-999	strike slip	10.4	2.23	RSN465_MORGAN_HD4255.AT2 RSN465_MORGAN_HD4345.AT2 RSN465_MORGAN_HD4-UP.AT2
466	Morgan Hill Hollister Diff Array #5 1984	6.19	26	-999	strike slip	11.1	2.4	RSN466_MORGAN_HD5255.AT2 RSN466_MORGAN_HD5345.AT2 RSN466_MORGAN_HD5-UP.AT2

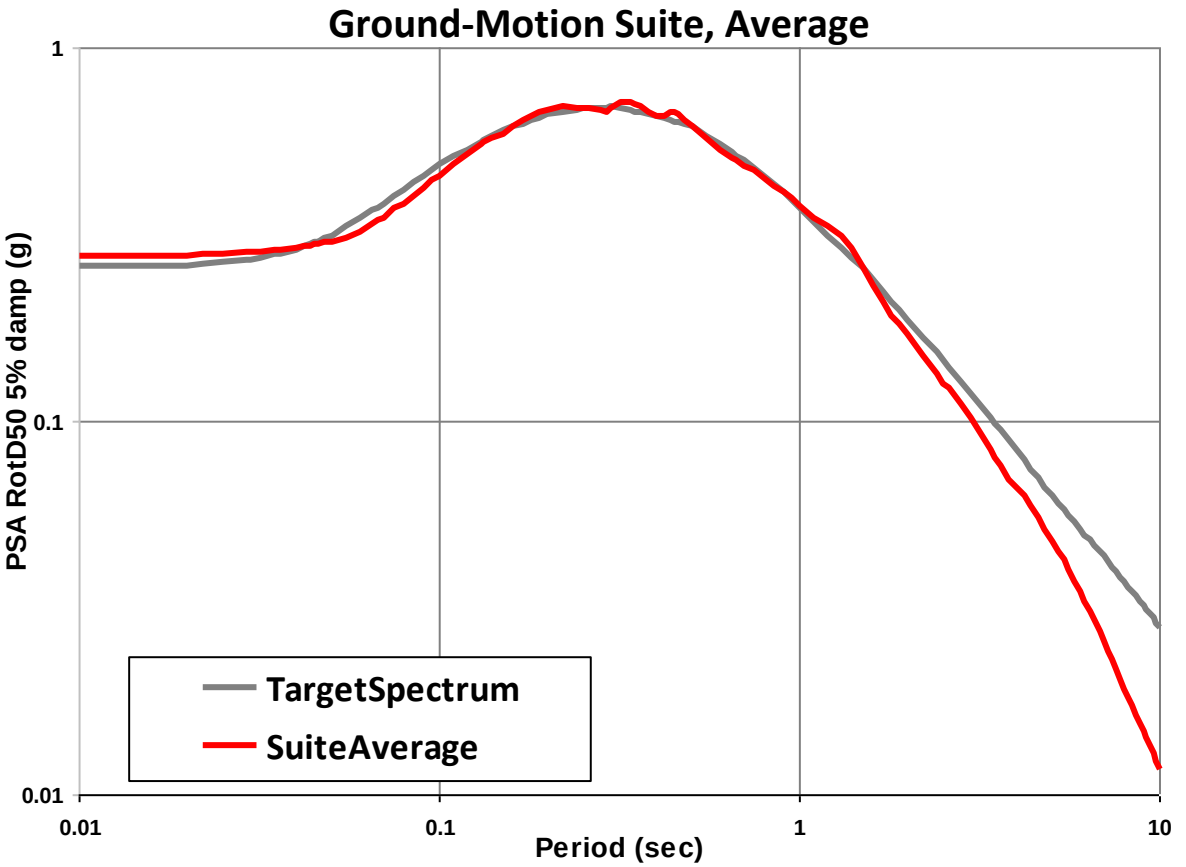
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
524	N. Palm Springs Joshua Tree 1986	6.06	23	379.32	Reverse O	6.2	3.85	RSN524_PALMSPR_JOS000.AT2 RSN524_PALMSPR_JOS090.AT2 RSN524_PALMSPR_JOS-UP.AT2
544	Chalfant Valley-01 Bishop - LADWP South St 1986	5.77	23	303.47	strike slip	10	2.25	RSN544_CHALFANT.B_B-LAD180.AT2 RSN544_CHALFANT.B_B-LAD270.AT2 RSN544_CHALFANT.B_B-LAD-UP.AT2
733	Loma Prieta APEEL 2E Hayward Muir Sch 1989	6.93	53	271.06	Reverse O	7.2	1.34	RSN733_LOMAP_A2E000.AT2 RSN733_LOMAP_A2E090.AT2 RSN733_LOMAP_A2E-UP.AT2
746	Loma Prieta Bear Valley #5, Callens Ranch 1989	6.93	53	391.01	Reverse O	10.9	3.12	RSN746_LOMAP_BVC220.AT2 RSN746_LOMAP_BVC310.AT2 RSN746_LOMAP_BVC-UP.AT2
910	Big Bear-01 Joshua Tree 1992	6.46	41	379.32	strike slip	9.8	3.38	RSN910_BIGBEAR_JOS090.AT2 RSN910_BIGBEAR_JOS360.AT2 RSN910_BIGBEAR_JOS-UP.AT2
929	Big Bear-01 Salton City 1992	6.46	130	324.5	strike slip	8.8	3	RSN929_BIGBEAR_SAC090.AT2 RSN929_BIGBEAR_SAC180.AT2 RSN929_BIGBEAR_SAC-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	2.06	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	3.32	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	2.87	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1816	Hector Mine North Palm Springs Fire Sta #36 1999	7.13	62	367.84	strike slip	13.8	3.01	RSN1816_HECTOR_NPF180.AT2 RSN1816_HECTOR_NPF270.AT2 RSN1816_HECTOR_NPF-UP.AT2
2646	Chi-Chi, Taiwan-03 TCU109 1999	6.2	34	535.13	Reverse	9.9	2.67	RSN2646_CHICHI.03_TCU109N.AT2 RSN2646_CHICHI.03_TCU109E.AT2 RSN2646_CHICHI.03_TCU109V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.17	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2699	Chi-Chi, Taiwan-04 CHY024 1999	6.2	20	427.73	strike slip	7.8	2.93	RSN2699_CHICHI.04_CHY024N.AT2 RSN2699_CHICHI.04_CHY024E.AT2 RSN2699_CHICHI.04_CHY024V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
2700	Chi-Chi, Taiwan-04 CHY025 1999	6.2	29	277.5	strike slip	12.8	3.18	RSN2700_CHICHI.04_CHY025N.AT2 RSN2700_CHICHI.04_CHY025E.AT2 RSN2700_CHICHI.04_CHY025V.AT2
2708	Chi-Chi, Taiwan-04 CHY034 1999	6.2	28	378.75	strike slip	5.4	2.12	RSN2708_CHICHI.04_CHY034N.AT2 RSN2708_CHICHI.04_CHY034W.AT2 RSN2708_CHICHI.04_CHY034V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.94	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2744	Chi-Chi, Taiwan-04 CHY088 1999	6.2	48	318.52	strike slip	11.7	2.76	RSN2744_CHICHI.04_CHY088N.AT2 RSN2744_CHICHI.04_CHY088E.AT2 RSN2744_CHICHI.04_CHY088V.AT2
2752	Chi-Chi, Taiwan-04 CHY101 1999	6.2	22	258.89	strike slip	8.1	1.29	RSN2752_CHICHI.04_CHY101N.AT2 RSN2752_CHICHI.04_CHY101E.AT2 RSN2752_CHICHI.04_CHY101V.AT2
2937	Chi-Chi, Taiwan-05 CHY015 1999	6.2	78	228.66	Reverse	8.8	2.68	RSN2937_CHICHI.05_CHY015N.AT2 RSN2937_CHICHI.05_CHY015W.AT2 RSN2937_CHICHI.05_CHY015V.AT2
3264	Chi-Chi, Taiwan-06 CHY024 1999	6.3	29	427.73	Reverse	8.2	1.52	RSN3264_CHICHI.06_CHY024N.AT2 RSN3264_CHICHI.06_CHY024E.AT2 RSN3264_CHICHI.06_CHY024V.AT2
3272	Chi-Chi, Taiwan-06 CHY033 1999	6.3	73	197.63	Reverse	22.1	2.75	RSN3272_CHICHI.06_CHY033N.AT2 RSN3272_CHICHI.06_CHY033E.AT2 RSN3272_CHICHI.06_CHY033V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	1.18	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3276	Chi-Chi, Taiwan-06 CHY037 1999	6.3	53	212.14	Reverse	9.3	1.57	RSN3276_CHICHI.06_CHY037N.AT2 RSN3276_CHICHI.06_CHY037E.AT2 RSN3276_CHICHI.06_CHY037V.AT2
3493	Chi-Chi, Taiwan-06 TCU107 1999	6.3	39	409	Reverse	14.6	2.79	RSN3493_CHICHI.06_TCU107N.AT2 RSN3493_CHICHI.06_TCU107E.AT2 RSN3493_CHICHI.06_TCU107V.AT2
3494	Chi-Chi, Taiwan-06 TCU108 1999	6.3	41	260.62	Reverse	13.7	3.1	RSN3494_CHICHI.06_TCU108N.AT2 RSN3494_CHICHI.06_TCU108E.AT2 RSN3494_CHICHI.06_TCU108V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	2.58	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
3502	Chi-Chi, Taiwan-06 TCU120 1999	6.3	31	459.34	Reverse	12.2	3.41	RSN3502_CHICHI.06_TCU120N.AT2 RSN3502_CHICHI.06_TCU120E.AT2 RSN3502_CHICHI.06_TCU120V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	1.72	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3566	Taiwan SMART1(5) SMART1 M08 1981	5.9	25	301.05	Reverse	5.6	2.29	RSN3566_SMART1.05_05M08EW.AT RSN3566_SMART1.05_05M08NS.AT2 RSN3566_SMART1.05_05M08DN.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	2.86	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
3852	Chi-Chi (aftershock 3), Taiwan CHY006 1999	6.2	25	438.19	strike slip	5.8	1.9	RSN3852_CHICHI.04_CHY006N.AT2 RSN3852_CHICHI.04_CHY006E.AT2 RSN3852_CHICHI.04_CHY006V.AT2
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	1.27	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
3867	Chi-Chi (aftershock 5), Taiwan CHY010 1999	6.3	47	538.69	Reverse	6.4	2.3	RSN3867_CHICHI.06_CHY010N.AT2 RSN3867_CHICHI.06_CHY010W.AT2 RSN3867_CHICHI.06_CHY010V.AT2
4078	Parkfield-02, CA Coalinga - Fire Station 39 2004	6	22	333.61	strike slip	10.9	3.61	RSN4078_PARK2004_COA090.AT2 RSN4078_PARK2004_COA360.AT2 RSN4078_PARK2004_COA-UP.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	1.6	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	1.44	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.47	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	1.9	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**

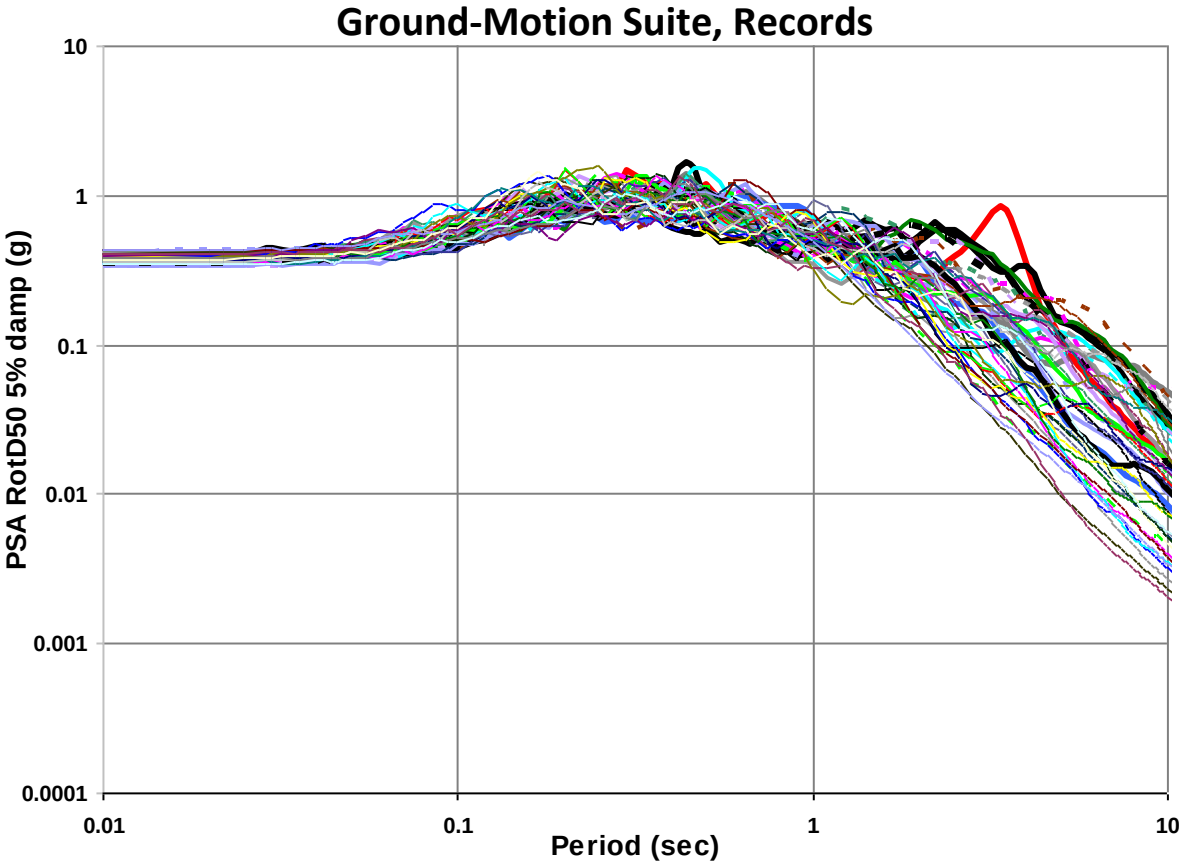
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
26	Hollister-01 Hollister City Hall 1961	5.6	20	198.77	strike slip	9.3	3.05	RSN26_HOLLISTR_B-HCH181.AT2 RSN26_HOLLISTR_B-HCH271.AT2 RSN26_HOLLISTR_B-HCH-UP.AT2
97	Point Mugu Port Hueneme 1973	5.65	15	248.98	Reverse	4.7	3.08	RSN97_PTMUGU_PHN180.AT2 RSN97_PTMUGU_PHN270.AT2 RSN97_PTMUGU_PHN-UP.AT2
122	Friuli, Italy-01 Codroipo 1976	6.5	33	249.28	Reverse	10.3	3.46	RSN122_FRIULI.A_A-COD000.AT2 RSN122_FRIULI.A_A-COD270.AT2 RSN122_FRIULI.A_A-COD-UP.AT2
266	Victoria, Mexico Chihuahua 1980	6.33	19	242.05	strike slip	9.1	2.08	RSN266_VICT_CHI102.AT2 RSN266_VICT_CHI192.AT2 RSN266_VICT_CHIDWN.AT2
268	Victoria, Mexico SAHOP Casa Flores 1980	6.33	39	259.59	strike slip	6.8	3.36	RSN268_VICT_SHP010.AT2 RSN268_VICT_SHP280.AT2 RSN268_VICT_SHP-UP.AT2
307	Taiwan SMART1(5) SMART1 I06 1981	5.9	25	309.41	Reverse	5	3.44	RSN307_SMART1.05_05I06EW.AT2 RSN307_SMART1.05_05I06NS.AT2 RSN307_SMART1.05_05I06DN.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	3.36	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	1.38	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
463	Morgan Hill Hollister Diff Array #1 1984	6.19	26	-999	strike slip	9.3	2.82	RSN463_MORGAN_HD1255.AT2 RSN463_MORGAN_HD1345.AT2 RSN463_MORGAN_HD1-UP.AT2
464	Morgan Hill Hollister Differential Array #3 1984	6.19	26	215.54	strike slip	10.8	3.34	RSN464_MORGAN_HD3255.AT2 RSN464_MORGAN_HD3345.AT2 RSN464_MORGAN_HD3-UP.AT2
465	Morgan Hill Hollister Diff Array #4 1984	6.19	26	-999	strike slip	10.4	2.89	RSN465_MORGAN_HD4255.AT2 RSN465_MORGAN_HD4345.AT2 RSN465_MORGAN_HD4-UP.AT2
466	Morgan Hill Hollister Diff Array #5 1984	6.19	26	-999	strike slip	11.1	3.1	RSN466_MORGAN_HD5255.AT2 RSN466_MORGAN_HD5345.AT2 RSN466_MORGAN_HD5-UP.AT2

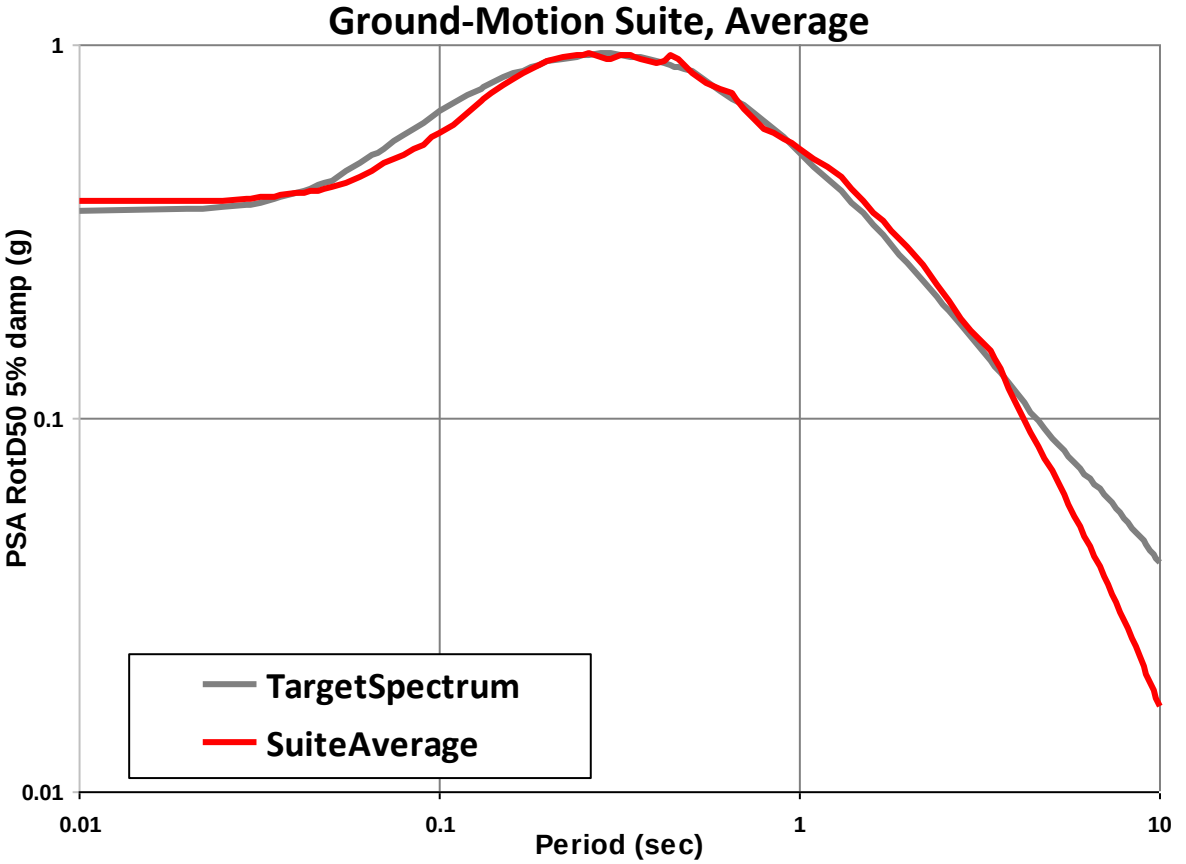
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
467	Morgan Hill Hollister Diff. Array 1984	6.19	26	-999	strike slip	9.4	2.88	RSN467_MORGAN_HDA165.AT2 RSN467_MORGAN_HDA255.AT2 RSN467_MORGAN_HDA-UP.AT2
544	Chalfant Valley-01 Bishop - LADWP South St 1986	5.77	23	303.47	strike slip	10	2.92	RSN544_CHALFANT.B_B-LAD180.AT2 RSN544_CHALFANT.B_B-LAD270.AT2 RSN544_CHALFANT.B_B-LAD-UP.AT2
733	Loma Prieta APEEL 2E Hayward Muir Sch 1989	6.93	53	271.06	Reverse O	7.2	1.73	RSN733_LOMAP_A2E000.AT2 RSN733_LOMAP_A2E090.AT2 RSN733_LOMAP_A2E-UP.AT2
902	Big Bear-01 Desert Hot Springs 1992	6.46	40	359	strike slip	6.1	1.46	RSN902_BIGBEAR_DSP090.AT2 RSN902_BIGBEAR_DSP360.AT2 RSN902_BIGBEAR_DSP-UP.AT2
929	Big Bear-01 Salton City 1992	6.46	130	324.5	strike slip	8.8	3.88	RSN929_BIGBEAR_SAC090.AT2 RSN929_BIGBEAR_SAC180.AT2 RSN929_BIGBEAR_SAC-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	2.67	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
1025	Northridge-01 Lancaster - Fox Airfield Grnd 1994	6.69	52	268.65	Reverse	8.2	3.85	RSN1025_NORTHR_LAN090.AT2 RSN1025_NORTHR_LAN360.AT2 RSN1025_NORTHR_LAN-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	3.71	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1816	Hector Mine North Palm Springs Fire Sta #36 1999	7.13	62	367.84	strike slip	13.8	3.9	RSN1816_HECTOR_NPF180.AT2 RSN1816_HECTOR_NPF270.AT2 RSN1816_HECTOR_NPF-UP.AT2
2646	Chi-Chi, Taiwan-03 TCU109 1999	6.2	34	535.13	Reverse	9.9	3.46	RSN2646_CHICHI.03_TCU109N.AT2 RSN2646_CHICHI.03_TCU109E.AT2 RSN2646_CHICHI.03_TCU109V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.51	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2699	Chi-Chi, Taiwan-04 CHY024 1999	6.2	20	427.73	strike slip	7.8	3.8	RSN2699_CHICHI.04_CHY024N.AT2 RSN2699_CHICHI.04_CHY024E.AT2 RSN2699_CHICHI.04_CHY024V.AT2
2708	Chi-Chi, Taiwan-04 CHY034 1999	6.2	28	378.75	strike slip	5.4	2.74	RSN2708_CHICHI.04_CHY034N.AT2 RSN2708_CHICHI.04_CHY034W.AT2 RSN2708_CHICHI.04_CHY034V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.51	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2744	Chi-Chi, Taiwan-04 CHY088 1999	6.2	48	318.52	strike slip	11.7	3.57	RSN2744_CHICHI.04_CHY088N.AT2 RSN2744_CHICHI.04_CHY088E.AT2 RSN2744_CHICHI.04_CHY088V.AT2
2752	Chi-Chi, Taiwan-04 CHY101 1999	6.2	22	258.89	strike slip	8.1	1.66	RSN2752_CHICHI.04_CHY101N.AT2 RSN2752_CHICHI.04_CHY101E.AT2 RSN2752_CHICHI.04_CHY101V.AT2
2937	Chi-Chi, Taiwan-05 CHY015 1999	6.2	78	228.66	Reverse	8.8	3.46	RSN2937_CHICHI.05_CHY015N.AT2 RSN2937_CHICHI.05_CHY015W.AT2 RSN2937_CHICHI.05_CHY015V.AT2
3024	Chi-Chi, Taiwan-05 HWA037 1999	6.2	43	469.64	Reverse	11.4	3.89	RSN3024_CHICHI.05_HWA037N.AT2 RSN3024_CHICHI.05_HWA037E.AT2 RSN3024_CHICHI.05_HWA037V.AT2
3264	Chi-Chi, Taiwan-06 CHY024 1999	6.3	29	427.73	Reverse	8.2	1.97	RSN3264_CHICHI.06_CHY024N.AT2 RSN3264_CHICHI.06_CHY024E.AT2 RSN3264_CHICHI.06_CHY024V.AT2
3272	Chi-Chi, Taiwan-06 CHY033 1999	6.3	73	197.63	Reverse	22.1	3.55	RSN3272_CHICHI.06_CHY033N.AT2 RSN3272_CHICHI.06_CHY033E.AT2 RSN3272_CHICHI.06_CHY033V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	1.53	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3276	Chi-Chi, Taiwan-06 CHY037 1999	6.3	53	212.14	Reverse	9.3	2.03	RSN3276_CHICHI.06_CHY037N.AT2 RSN3276_CHICHI.06_CHY037E.AT2 RSN3276_CHICHI.06_CHY037V.AT2
3493	Chi-Chi, Taiwan-06 TCU107 1999	6.3	39	409	Reverse	14.6	3.61	RSN3493_CHICHI.06_TCU107N.AT2 RSN3493_CHICHI.06_TCU107E.AT2 RSN3493_CHICHI.06_TCU107V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	3.34	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	2.23	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3559	Taiwan SMART1(5) SMART1 I03 1981	5.9	25	314.88	Reverse	4.5	3.17	RSN3559_SMART1.05_05I03EW.AT2 RSN3559_SMART1.05_05I03NS.AT2 RSN3559_SMART1.05_05I03DN.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
3565	Taiwan SMART1(5) SMART1 M06 1981	5.9	24	308.39	Reverse	3.3	3.55	RSN3565_SMART1.05_05M06EW.AT RSN3565_SMART1.05_05M06NS.AT2 RSN3565_SMART1.05_05M06DN.AT2
3566	Taiwan SMART1(5) SMART1 M08 1981	5.9	25	301.05	Reverse	5.6	2.97	RSN3566_SMART1.05_05M08EW.AT RSN3566_SMART1.05_05M08NS.AT2 RSN3566_SMART1.05_05M08DN.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	3.7	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
3852	Chi-Chi (aftershock 3), Taiwan CHY006 1999	6.2	25	438.19	strike slip	5.8	2.46	RSN3852_CHICHI.04_CHY006N.AT2 RSN3852_CHICHI.04_CHY006E.AT2 RSN3852_CHICHI.04_CHY006V.AT2
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	1.65	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
3865	Chi-Chi (aftershock 5), Taiwan CHY006 1999	6.3	39	438.19	Reverse	6.4	1.85	RSN3865_CHICHI.06_CHY006N.AT2 RSN3865_CHICHI.06_CHY006W.AT2 RSN3865_CHICHI.06_CHY006V.AT2
3867	Chi-Chi (aftershock 5), Taiwan CHY010 1999	6.3	47	538.69	Reverse	6.4	2.98	RSN3867_CHICHI.06_CHY010N.AT2 RSN3867_CHICHI.06_CHY010W.AT2 RSN3867_CHICHI.06_CHY010V.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.07	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	1.86	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.91	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	2.46	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8508	El Mayor-Cucapah Brunts Corner 2010	7.2	61	210.25	strike slip	33	3.94	RSN8508_SIERRA.MEX_CIBTCHNN.AT RSN8508_SIERRA.MEX_CIBTCHNE.AT RSN8508_SIERRA.MEX_CIBTCHNZ.AT

Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	**02 Sacramento**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**

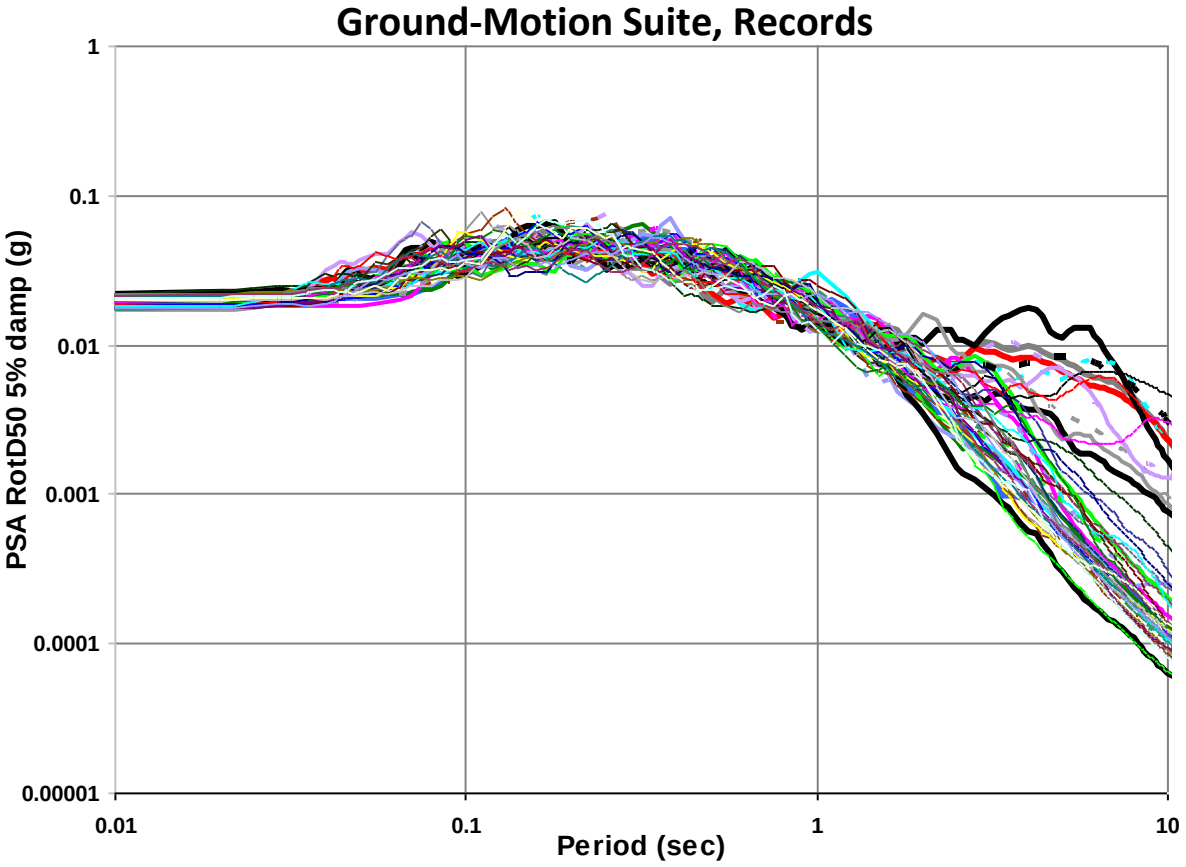
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
214	Livermore-01 San Ramon - Eastman Kodak 1980	5.8	15	377.51	strike slip	6	3.42	RSN214_LIVERMOR_A-KOD180.AT2 RSN214_LIVERMOR_A-KOD270.AT2 RSN214_LIVERMOR_A-KOD-UP.AT2
266	Victoria, Mexico Chihuahua 1980	6.33	19	242.05	strike slip	9.1	2.84	RSN266_VICT_CHI102.AT2 RSN266_VICT_CHI192.AT2 RSN266_VICT_CHIDWN.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	1.88	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
339	Coalinga-01 Parkfield - Fault Zone 15 1983	6.36	28	307.59	Reverse	7.5	2.47	RSN339_COALINGA.H_H-Z15000.AT2 RSN339_COALINGA.H_H-Z15090.AT2 RSN339_COALINGA.H_H-Z15-UP.AT2
340	Coalinga-01 Parkfield - Fault Zone 16 1983	6.36	26	384.26	Reverse	6	2.59	RSN340_COALINGA.H_H-Z16000.AT2 RSN340_COALINGA.H_H-Z16090.AT2 RSN340_COALINGA.H_H-Z16-UP.AT2
346	Coalinga-01 Parkfield - Fault Zone 8 1983	6.36	29	308.84	Reverse	5.1	2.99	RSN346_COALINGA.H_H-Z08000.AT2 RSN346_COALINGA.H_H-Z08090.AT2 RSN346_COALINGA.H_H-Z08-UP.AT2
352	Coalinga-01 Parkfield - Gold Hill 3W 1983	6.36	38	510.92	Reverse	3.3	3.21	RSN352_COALINGA.H_H-PG3000.AT2 RSN352_COALINGA.H_H-PG3090.AT2 RSN352_COALINGA.H_H-PG3-UP.AT2
463	Morgan Hill Hollister Diff Array #1 1984	6.19	26	-999	strike slip	9.3	3.84	RSN463_MORGAN_HD1255.AT2 RSN463_MORGAN_HD1345.AT2 RSN463_MORGAN_HD1-UP.AT2
467	Morgan Hill Hollister Diff. Array 1984	6.19	26	-999	strike slip	9.4	3.92	RSN467_MORGAN_HDA165.AT2 RSN467_MORGAN_HDA255.AT2 RSN467_MORGAN_HDA-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	2.03	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
733	Loma Prieta APEEL 2E Hayward Muir Sch 1989	6.93	53	271.06	Reverse O	7.2	2.35	RSN733_LOMAP_A2E000.AT2 RSN733_LOMAP_A2E090.AT2 RSN733_LOMAP_A2E-UP.AT2
832	Landers Amboy 1992	7.28	69	382.93	strike slip	17.1	2.7	RSN832_LANDERS_ABY000.AT2 RSN832_LANDERS_ABY090.AT2 RSN832_LANDERS_ABY-UP.AT2

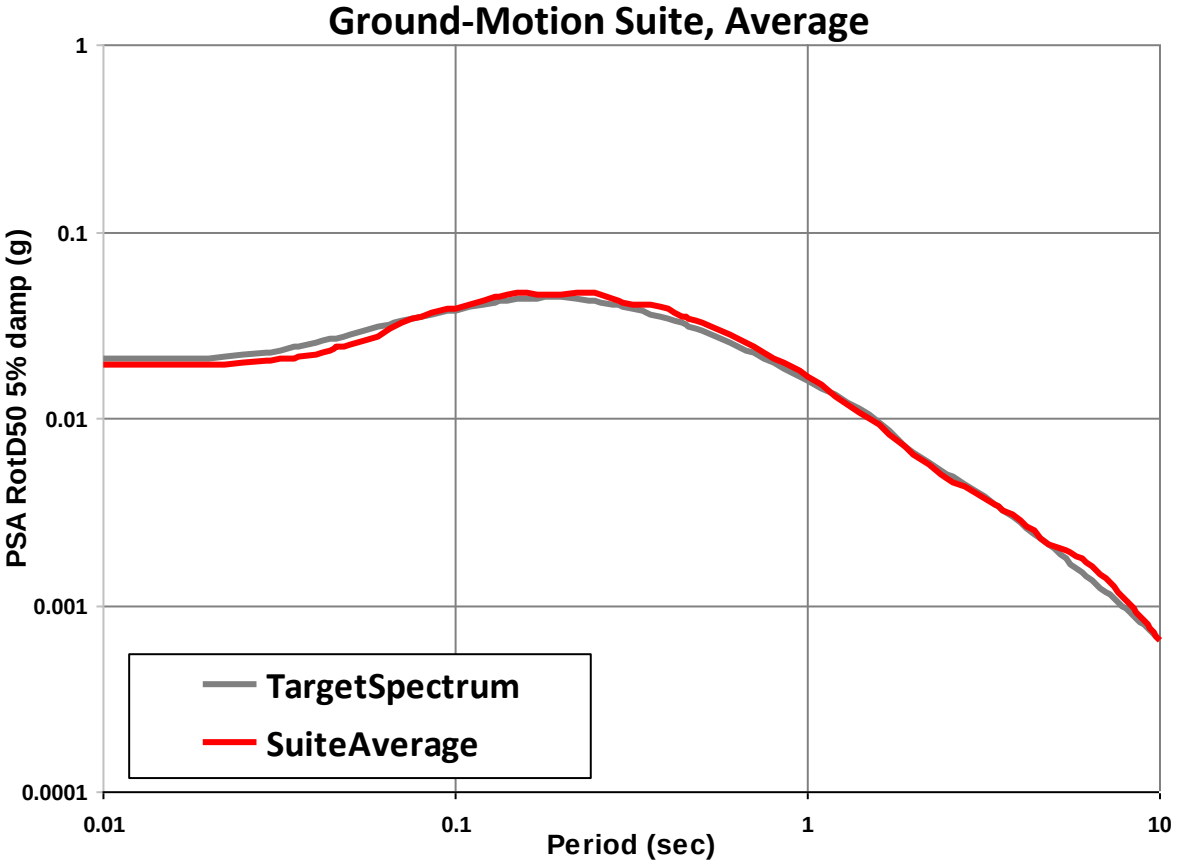
Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
862	Landers Indio - Coachella Canal 1992	7.28	54	339.02	strike slip	25.1	3.61	RSN862_LANDERS_IND000.AT2 RSN862_LANDERS_IND090.AT2 RSN862_LANDERS_IND-UP.AT2
902	Big Bear-01 Desert Hot Springs 1992	6.46	40	359	strike slip	6.1	1.99	RSN902_BIGBEAR_DSP090.AT2 RSN902_BIGBEAR_DSP360.AT2 RSN902_BIGBEAR_DSP-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	3.64	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
931	Big Bear-01 San Bernardino - E & Hospitality 1992	6.46	35	296.97	strike slip	10.9	3.64	RSN931_BIGBEAR_HOS090.AT2 RSN931_BIGBEAR_HOS180.AT2 RSN931_BIGBEAR_HOS-UP.AT2
1177	Kocaeli, Turkey Zeytinburnu 1999	7.51	52	341.56	strike slip	17.4	3.52	RSN1177_KOCAELI_ZYT000.AT2 RSN1177_KOCAELI_ZYT090.AT2 RSN1177_KOCAELI_ZYT-UP.AT2
1634	Manjil, Iran Abhar 1990	7.37	76	302.64	strike slip	15.6	2.01	RSN1634_MANJIL_184057.AT2 RSN1634_MANJIL_184327.AT2 RSN1634_MANJIL_184-UP.AT2
2457	Chi-Chi, Taiwan-03 CHY024 1999	6.2	18	427.73	Reverse	3.7	2.94	RSN2457_CHICHI.03_CHY024N.AT2 RSN2457_CHICHI.03_CHY024E.AT2 RSN2457_CHICHI.03_CHY024V.AT2
2458	Chi-Chi, Taiwan-03 CHY025 1999	6.2	28	277.5	Reverse	8.9	3.04	RSN2458_CHICHI.03_CHY025N.AT2 RSN2458_CHICHI.03_CHY025E.AT2 RSN2458_CHICHI.03_CHY025V.AT2
2467	Chi-Chi, Taiwan-03 CHY036 1999	6.2	36	233.14	Reverse	9.8	3.76	RSN2467_CHICHI.03_CHY036N.AT2 RSN2467_CHICHI.03_CHY036E.AT2 RSN2467_CHICHI.03_CHY036V.AT2
2507	Chi-Chi, Taiwan-03 CHY101 1999	6.2	24	258.89	Reverse	8.7	2.62	RSN2507_CHICHI.03_CHY101N.AT2 RSN2507_CHICHI.03_CHY101E.AT2 RSN2507_CHICHI.03_CHY101V.AT2
2650	Chi-Chi, Taiwan-03 TCU116 1999	6.2	21	493.09	Reverse	4.7	2.88	RSN2650_CHICHI.03_TCU116N.AT2 RSN2650_CHICHI.03_TCU116E.AT2 RSN2650_CHICHI.03_TCU116V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.06	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2708	Chi-Chi, Taiwan-04 CHY034 1999	6.2	28	378.75	strike slip	5.4	3.74	RSN2708_CHICHI.04_CHY034N.AT2 RSN2708_CHICHI.04_CHY034W.AT2 RSN2708_CHICHI.04_CHY034V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	3.42	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2752	Chi-Chi, Taiwan-04 CHY101 1999	6.2	22	258.89	strike slip	8.1	2.27	RSN2752_CHICHI.04_CHY101N.AT2 RSN2752_CHICHI.04_CHY101E.AT2 RSN2752_CHICHI.04_CHY101V.AT2
3264	Chi-Chi, Taiwan-06 CHY024 1999	6.3	29	427.73	Reverse	8.2	2.69	RSN3264_CHICHI.06_CHY024N.AT2 RSN3264_CHICHI.06_CHY024E.AT2 RSN3264_CHICHI.06_CHY024V.AT2
3270	Chi-Chi, Taiwan-06 CHY030 1999	6.3	44	204.71	Reverse	12.8	3.21	RSN3270_CHICHI.06_CHY030N.AT2 RSN3270_CHICHI.06_CHY030E.AT2 RSN3270_CHICHI.06_CHY030V.AT2
3273	Chi-Chi, Taiwan-06 CHY034 1999	6.3	44	378.75	Reverse	7.3	3.29	RSN3273_CHICHI.06_CHY034N.AT2 RSN3273_CHICHI.06_CHY034W.AT2 RSN3273_CHICHI.06_CHY034V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	2.09	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3276	Chi-Chi, Taiwan-06 CHY037 1999	6.3	53	212.14	Reverse	9.3	2.76	RSN3276_CHICHI.06_CHY037N.AT2 RSN3276_CHICHI.06_CHY037E.AT2 RSN3276_CHICHI.06_CHY037V.AT2
3278	Chi-Chi, Taiwan-06 CHY041 1999	6.3	46	492.26	Reverse	3.2	2.32	RSN3278_CHICHI.06_CHY041N.AT2 RSN3278_CHICHI.06_CHY041E.AT2 RSN3278_CHICHI.06_CHY041V.AT2
3281	Chi-Chi, Taiwan-06 CHY046 1999	6.3	53	442.15	Reverse	10	3.19	RSN3281_CHICHI.06_CHY046N.AT2 RSN3281_CHICHI.06_CHY046E.AT2 RSN3281_CHICHI.06_CHY046V.AT2
3317	Chi-Chi, Taiwan-06 CHY101 1999	6.3	35	258.89	Reverse	9	2.54	RSN3317_CHICHI.06_CHY101N.AT2 RSN3317_CHICHI.06_CHY101E.AT2 RSN3317_CHICHI.06_CHY101V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	3.03	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	3.2	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3852	Chi-Chi (aftershock 3), Taiwan CHY006 1999	6.2	25	438.19	strike slip	5.8	3.35	RSN3852_CHICHI.04_CHY006N.AT2 RSN3852_CHICHI.04_CHY006E.AT2 RSN3852_CHICHI.04_CHY006V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	2.24	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
3865	Chi-Chi (aftershock 5), Taiwan CHY006 1999	6.3	39	438.19	Reverse	6.4	2.52	RSN3865_CHICHI.06_CHY006N.AT2 RSN3865_CHICHI.06_CHY006W.AT2 RSN3865_CHICHI.06_CHY006V.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.82	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
5674	Iwate MYG015 2008	6.9	81	211.2	Reverse	11.1	2.78	RSN5674_IWATE_MYG015NS.AT2 RSN5674_IWATE_MYG015EW.AT2 RSN5674_IWATE_MYG015UD.AT2
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	2.53	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	2.6	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6877	Joshua Tree, CA Indio - Jackson Road 1992	6.1	25	292.12	strike slip	4.2	1.37	RSN6877_JOSHUA_5294180.AT2 RSN6877_JOSHUA_5294090.AT2 RSN6877_JOSHUA_5294_UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	3.34	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8099	Christchurch, New Zealand Kaiapoi North School 2011	6.2	18	255	Reverse O	4.3	1.87	RSN8099_CCHURCH_KPOCN15E.AT2 RSN8099_CCHURCH_KPOCS75E.AT2 RSN8099_CCHURCH_KPOCUP.AT2
8102	Christchurch, New Zealand LINC 2011	6.2	18	263.2	Reverse O	5.9	3.14	RSN8102_CCHURCH_LINCN23E.AT2 RSN8102_CCHURCH_LINCN67W.AT2 RSN8102_CCHURCH_LINCUP.AT2
8492	El Mayor-Cucapah Salton Sea Wildlife Refuge 2010	7.2	58	191.14	strike slip	15.6	3.61	RSN8492_SIERRA.MEX_N5062HLN.AT RSN8492_SIERRA.MEX_N5062HLE.AT RSN8492_SIERRA.MEX_N5062HLZ.AT
8771	14383980 Barre Substation 2008	5.39	23	265.59	Reverse O	2.1	3.14	RSN8771_14383980_CIBREHNN.AT2 RSN8771_14383980_CIBREHNE.AT2 RSN8771_14383980_CIBREHNZ.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	02 Sacramento
Site Vs30 (m/s)	760
Return Period (yr)	15

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
48	Lytle Creek Puddingstone Dam (Abutment) 1970	5.33	29	421.44	Reverse O	5	1.15	RSN48_LYTLECR_PUD055.AT2 RSN48_LYTLECR_PUD325.AT2 RSN48_LYTLECR_PUDDWN.AT2
59	San Fernando Cedar Springs, Allen Ranch 1971	6.61	89	813.48	Reverse	5.8	1.06	RSN59_SFERN_CSM095.AT2 RSN59_SFERN_CSM185.AT2 RSN59_SFERN_CSMDWN.AT2
217	Livermore-02 APEEL 3E Hayward CSUH 1980	5.42	28	517.06	strike slip	2.2	0.48	RSN217_LIVERMOR_B-A3E146.AT2 RSN217_LIVERMOR_B-A3E236.AT2 RSN217_LIVERMOR_B-A3E-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	0.3	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
697	Whittier Narrows-01 Sunland - Mt Gleason Ave 1987	5.99	25	402.16	Reverse O	4.8	0.26	RSN697_WHITTIER.A_A-GLE180.AT2 RSN697_WHITTIER.A_A-GLE270.AT2 RSN697_WHITTIER.A_A-GLE-UP.AT2
698	Whittier Narrows-01 Sylmar - Olive View Med FF 1987	5.99	39	440.54	Reverse O	6.3	0.33	RSN698_WHITTIER.A_A-SYL000.AT2 RSN698_WHITTIER.A_A-SYL090.AT2 RSN698_WHITTIER.A_A-SYL-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	0.46	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	0.35	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1849	Yountville El Cerrito - Mira Vista Country 2000	5	49	533.89	strike slip	7.6	3.18	RSN1849_YOUNTVL_0726C090.AT2 RSN1849_YOUNTVL_0726A360.AT2 RSN1849_YOUNTVL_0726B-UP.AT2
2093	Nenana Mountain, Alaska TAPS Pump Station #09 2002	6.7	105	382.5	strike slip	15.8	1.08	RSN2093_NENANA_PS09013.AT2 RSN2093_NENANA_PS09103.AT2 RSN2093_NENANA_PS09-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	0.26	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2159	Chi-Chi, Taiwan-02 CHY024 1999	5.9	38	427.73	Reverse	6.7	0.61	RSN2159_CHICHI.02_CHY024N.AT2 RSN2159_CHICHI.02_CHY024E.AT2 RSN2159_CHICHI.02_CHY024V.AT2

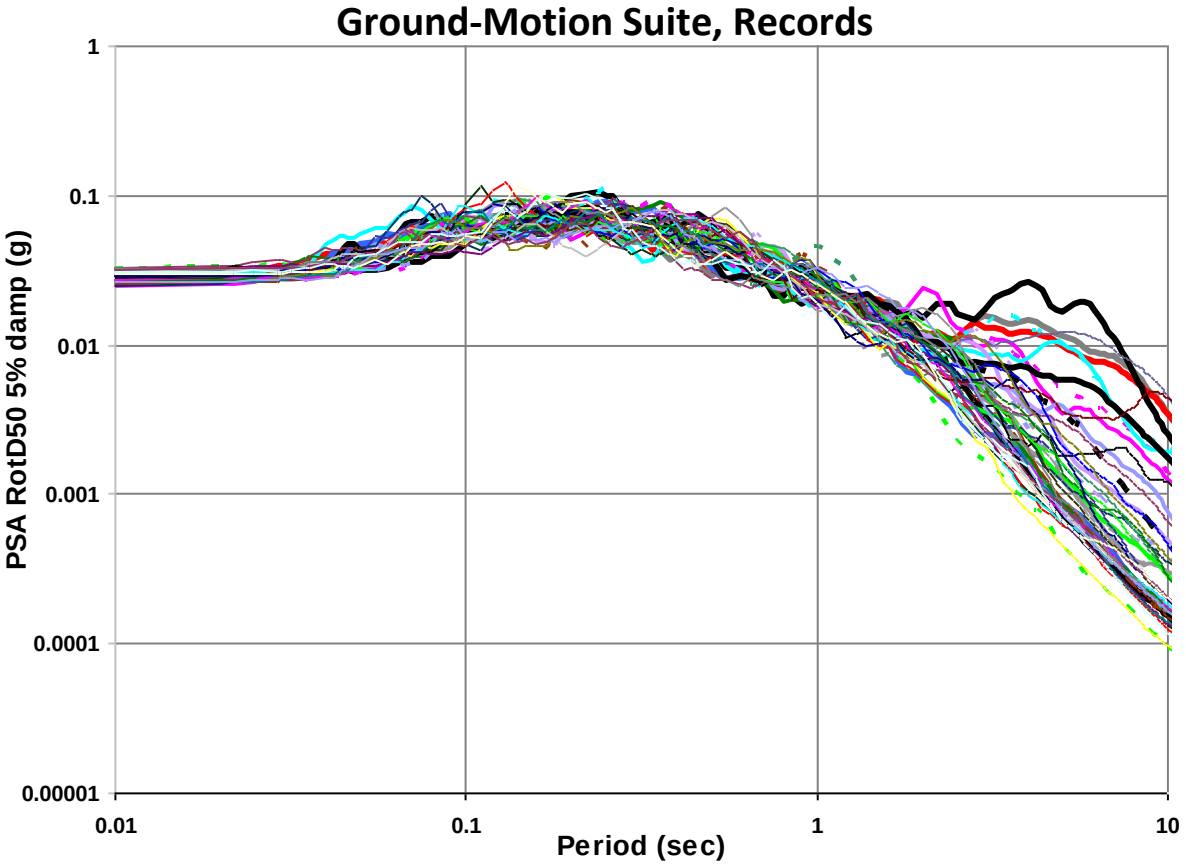
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
2237	Chi-Chi, Taiwan-02 HWA030 1999	5.9	39	592.18	Reverse	7.2	0.94	RSN2237_CHICHI.02_HWA030N.AT2 RSN2237_CHICHI.02_HWA030E.AT2 RSN2237_CHICHI.02_HWA030V.AT2
2238	Chi-Chi, Taiwan-02 HWA031 1999	5.9	44	602.29	Reverse	10	0.84	RSN2238_CHICHI.02_HWA031N.AT2 RSN2238_CHICHI.02_HWA031E.AT2 RSN2238_CHICHI.02_HWA031V.AT2
2255	Chi-Chi, Taiwan-02 HWA051 1999	5.9	44	440.5	Reverse	8.3	0.48	RSN2255_CHICHI.02_HWA051N.AT2 RSN2255_CHICHI.02_HWA051W.AT2 RSN2255_CHICHI.02_HWA051V.AT2
2388	Chi-Chi, Taiwan-02 TCU075 1999	5.9	30	573.02	Reverse	7.8	0.47	RSN2388_CHICHI.02_TCU075N.AT2 RSN2388_CHICHI.02_TCU075E.AT2 RSN2388_CHICHI.02_TCU075V.AT2
2526	Chi-Chi, Taiwan-03 HWA020 1999	6.2	55	626.43	Reverse	13.7	3.82	RSN2526_CHICHI.03_HWA020N.AT2 RSN2526_CHICHI.03_HWA020E.AT2 RSN2526_CHICHI.03_HWA020V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	0.68	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2743	Chi-Chi, Taiwan-04 CHY087 1999	6.2	38	505.2	strike slip	6.8	0.25	RSN2743_CHICHI.04_CHY087N.AT2 RSN2743_CHICHI.04_CHY087E.AT2 RSN2743_CHICHI.04_CHY087V.AT2
2772	Chi-Chi, Taiwan-04 HWA024 1999	6.2	46	671.52	strike slip	10	1.6	RSN2772_CHICHI.04_HWA024N.AT2 RSN2772_CHICHI.04_HWA024E.AT2 RSN2772_CHICHI.04_HWA024V.AT2
2804	Chi-Chi, Taiwan-04 KAU001 1999	6.2	45	573.04	strike slip	11.3	0.96	RSN2804_CHICHI.04_KAU001N.AT2 RSN2804_CHICHI.04_KAU001W.AT2 RSN2804_CHICHI.04_KAU001V.AT2
3017	Chi-Chi, Taiwan-05 HWA030 1999	6.2	35	592.18	Reverse	8.4	0.38	RSN3017_CHICHI.05_HWA030N.AT2 RSN3017_CHICHI.05_HWA030E.AT2 RSN3017_CHICHI.05_HWA030V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.37	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3202	Chi-Chi, Taiwan-05 TCU102 1999	6.2	50	714.27	Reverse	10.6	0.37	RSN3202_CHICHI.05_TCU102N.AT2 RSN3202_CHICHI.05_TCU102E.AT2 RSN3202_CHICHI.05_TCU102V.AT2
3706	Whittier Narrows-02 Glendora - N Oakbank 1987	5.27	21	362.31	Reverse O	6.5	0.71	RSN3706_WHITTIER.B_B-OAK080.AT RSN3706_WHITTIER.B_B-OAK170.AT RSN3706_WHITTIER.B_B-OAK-UP.AT

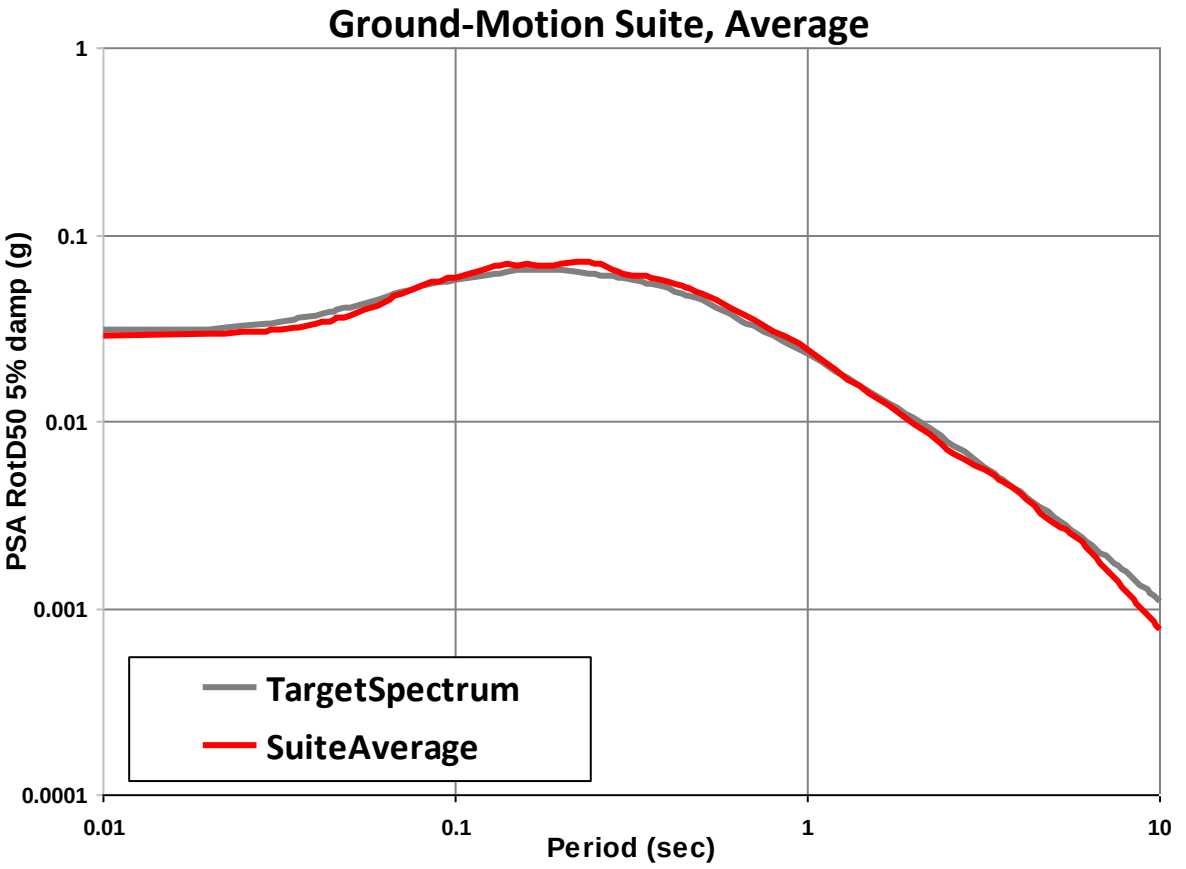
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	0.51	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
3942	Tottori, Japan SMN010 2000	6.61	122	639.38	strike slip	8.5	1.03	RSN3942_TOTTORI_SMN010NS.AT2 RSN3942_TOTTORI_SMN010EW.AT2 RSN3942_TOTTORI_SMN010UD.AT2
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	0.37	RSN4380_UBMARCHE.P_I-NRC000.A RSN4380_UBMARCHE.P_I-NRC270.A RSN4380_UBMARCHE.P_I-NRC-DN.A
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	0.28	RSN4384_UBMARCHE.P_J-CSC000.A RSN4384_UBMARCHE.P_J-CSC270.A RSN4384_UBMARCHE.P_J-CSCDWN.
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	0.36	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.25	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.34	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
6008	El Mayor-Cucapah Julian Eagle Mine 2010	7.2	92	501	strike slip	19.2	0.6	RSN6008_SIERRA.MEX_JEM360.AT2 RSN6008_SIERRA.MEX_JEM-90.AT2 RSN6008_SIERRA.MEX_JEM-UP.AT2
6686	Niigata, Japan NGN011 2004	6.63	116	555.37	Reverse	21.5	3.01	RSN6686_NIIGATA_NGN011NS.AT2 RSN6686_NIIGATA_NGN011EW.AT2 RSN6686_NIIGATA_NGN011UD.AT2
7108	Wenchuan, China-04 Anxiantashui 2008	5.5	41	376.1	Reverse	8.7	0.69	RSN7108_WENCHUAN.04_51AXTNS. RSN7108_WENCHUAN.04_51AXTEW RSN7108_WENCHUAN.04_51AXTUD.
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	0.6	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8689	40204628 Black Mountain Los Altos 2007	5.45	35	584	strike slip	8.3	2.03	RSN8689_40204628_NJBMBHNN.AT2 RSN8689_40204628_NJBMBHNE.AT2 RSN8689_40204628_NJBMBHNZ.AT2
8691	40204628 Eureka Canyon 2007	5.45	40	433.15	strike slip	11.8	1.62	RSN8691_40204628_NJECBHNN.AT2 RSN8691_40204628_NJECBHNE.AT2 RSN8691_40204628_NJECBHNZ.AT2

Site	02 Sacramento
Site Vs30 (m/s)	760
Return Period (yr)	15

8704	40204628 Stanford Telescope 2007	5.45	34	432	strike slip	13.4	1.64	RSN8704_40204628_NJSFBHNN.AT2 RSN8704_40204628_NJSFBHNE.AT2 RSN8704_40204628_NJSFBHNZ.AT2
8744	40204628 Wente Vineyards, Livermore, CA, US 2007	5.45	19	360.27	strike slip	12.4	1.82	RSN8744_40204628_BWENLHLN.AT2 RSN8744_40204628_BWENLHLE.AT2 RSN8744_40204628_BWENLHLZ.AT2
8774	14383980 Caltech Athenaeum Cellar 2008	5.39	37	399	Reverse O	7.1	0.48	RSN8774_14383980_CICACHNN.AT2 RSN8774_14383980_CICACHNE.AT2 RSN8774_14383980_CICACHNZ.AT2
8804	14383980 Kinemetrics 2008	5.39	36	383.09	Reverse O	11.4	0.65	RSN8804_14383980_CIKIKHNN.AT2 RSN8804_14383980_CIKIKHNE.AT2 RSN8804_14383980_CIKIKHNZ.AT2
8827	14383980 Padua 2008	5.39	22	388.68	Reverse O	1.5	0.31	RSN8827_14383980_CIPDUHNN.AT2 RSN8827_14383980_CIPDUHNE.AT2 RSN8827_14383980_CIPDUHNZ.AT2
8837	14383980 Rio Hondo 2008	5.39	24	371.97	Reverse O	8.6	0.47	RSN8837_14383980_CIRIOHNN.AT2 RSN8837_14383980_CIRIOHNE.AT2 RSN8837_14383980_CIRIOHNZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	0.72	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8867	14383980 Table Mountain 2 2008	5.39	48	586	Reverse O	9	0.95	RSN8867_14383980_CITA2HNN.AT2 RSN8867_14383980_CITA2HNE.AT2 RSN8867_14383980_CITA2HNZ.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	0.38	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2
8936	14383980 Corona Del Mar - Oasis Senior Cente 2008	5.39	38	382.16	Reverse O	4.9	0.68	RSN8936_14383980_U5285360.AT2 RSN8936_14383980_U5285090.AT2 RSN8936_14383980_U5285-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	0.74	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

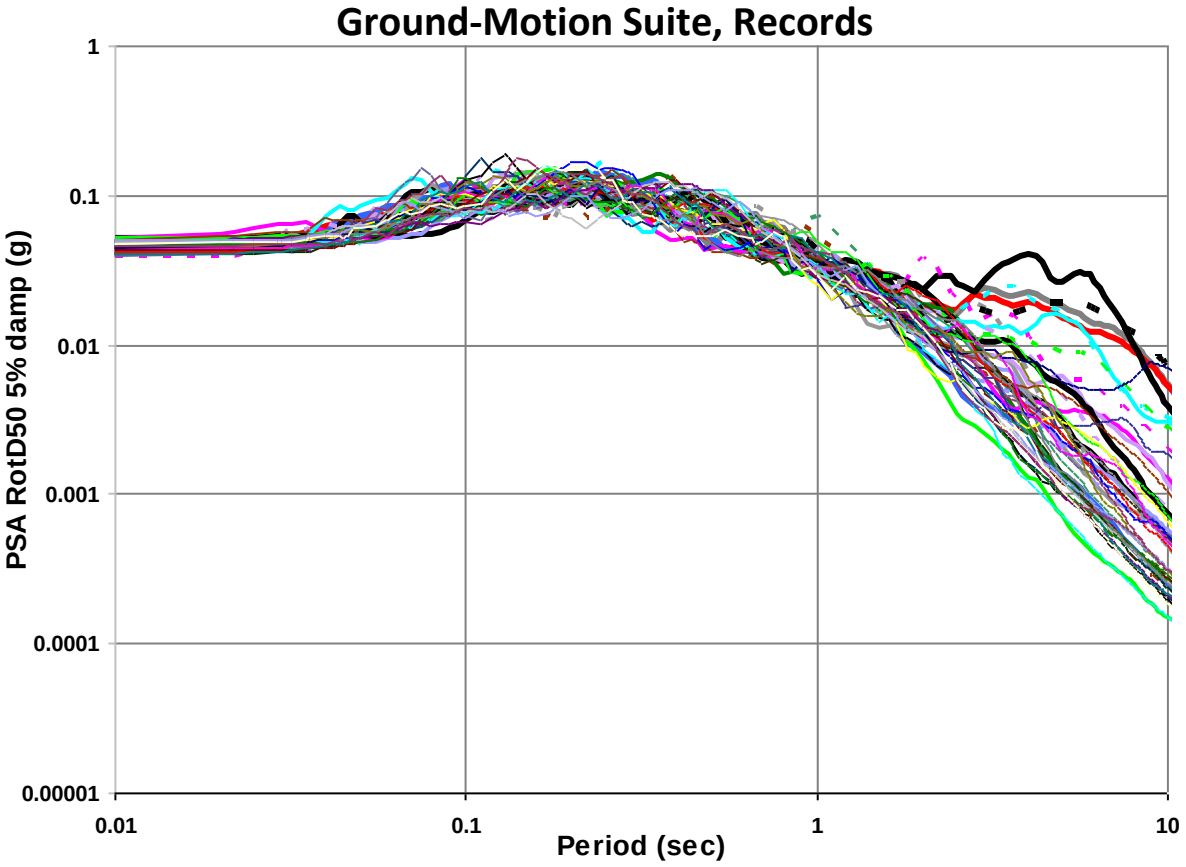
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
48	Lytle Creek Puddingstone Dam (Abutment) 1970	5.33	29	421.44	Reverse O	5	1.71	RSN48_LYTLECR_PUD055.AT2 RSN48_LYTLECR_PUD325.AT2 RSN48_LYTLECR_PUDDWN.AT2
59	San Fernando Cedar Springs, Allen Ranch 1971	6.61	89	813.48	Reverse	5.8	1.57	RSN59_SFERN_CSM095.AT2 RSN59_SFERN_CSM185.AT2 RSN59_SFERN_CSMDWN.AT2
357	Coalinga-01 Parkfield - Stone Corral 3E 1983	6.36	33	565.08	Reverse	5.1	0.25	RSN357_COALINGA.H_H-SC3000.AT2 RSN357_COALINGA.H_H-SC3090.AT2 RSN357_COALINGA.H_H-SC3-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	0.45	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
697	Whittier Narrows-01 Sunland - Mt Gleason Ave 1987	5.99	25	402.16	Reverse O	4.8	0.39	RSN697_WHITTIER.A_A-GLE180.AT2 RSN697_WHITTIER.A_A-GLE270.AT2 RSN697_WHITTIER.A_A-GLE-UP.AT2
698	Whittier Narrows-01 Sylmar - Olive View Med FF 1987	5.99	39	440.54	Reverse O	6.3	0.49	RSN698_WHITTIER.A_A-SYL000.AT2 RSN698_WHITTIER.A_A-SYL090.AT2 RSN698_WHITTIER.A_A-SYL-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	0.68	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	0.52	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	0.31	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	0.39	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2159	Chi-Chi, Taiwan-02 CHY024 1999	5.9	38	427.73	Reverse	6.7	0.91	RSN2159_CHICHI.02_CHY024N.AT2 RSN2159_CHICHI.02_CHY024E.AT2 RSN2159_CHICHI.02_CHY024V.AT2
2237	Chi-Chi, Taiwan-02 HWA030 1999	5.9	39	592.18	Reverse	7.2	1.39	RSN2237_CHICHI.02_HWA030N.AT2 RSN2237_CHICHI.02_HWA030E.AT2 RSN2237_CHICHI.02_HWA030V.AT2

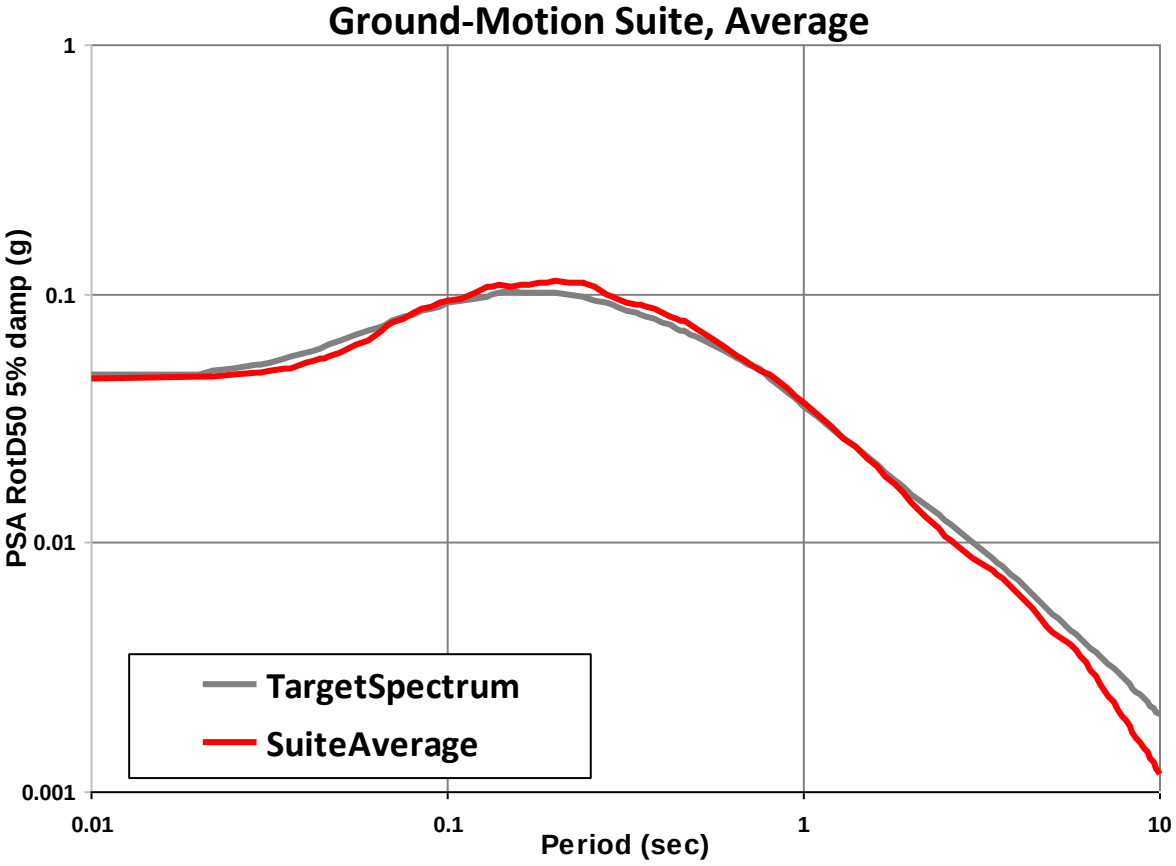
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
2255	Chi-Chi, Taiwan-02 HWA051 1999	5.9	44	440.5	Reverse	8.3	0.71	RSN2255_CHICHI.02_HWA051N.AT2 RSN2255_CHICHI.02_HWA051W.AT2 RSN2255_CHICHI.02_HWA051V.AT2
2388	Chi-Chi, Taiwan-02 TCU075 1999	5.9	30	573.02	Reverse	7.8	0.69	RSN2388_CHICHI.02_TCU075N.AT2 RSN2388_CHICHI.02_TCU075E.AT2 RSN2388_CHICHI.02_TCU075V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	1.01	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2743	Chi-Chi, Taiwan-04 CHY087 1999	6.2	38	505.2	strike slip	6.8	0.37	RSN2743_CHICHI.04_CHY087N.AT2 RSN2743_CHICHI.04_CHY087E.AT2 RSN2743_CHICHI.04_CHY087V.AT2
2772	Chi-Chi, Taiwan-04 HWA024 1999	6.2	46	671.52	strike slip	10	2.38	RSN2772_CHICHI.04_HWA024N.AT2 RSN2772_CHICHI.04_HWA024E.AT2 RSN2772_CHICHI.04_HWA024V.AT2
2804	Chi-Chi, Taiwan-04 KAU001 1999	6.2	45	573.04	strike slip	11.3	1.42	RSN2804_CHICHI.04_KAU001N.AT2 RSN2804_CHICHI.04_KAU001W.AT2 RSN2804_CHICHI.04_KAU001V.AT2
2940	Chi-Chi, Taiwan-05 CHY019 1999	6.2	84	497.53	Reverse	7.3	0.47	RSN2940_CHICHI.05_CHY019N.AT2 RSN2940_CHICHI.05_CHY019W.AT2 RSN2940_CHICHI.05_CHY019V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.55	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3187	Chi-Chi, Taiwan-05 TCU064 1999	6.2	65	645.72	Reverse	7.9	0.67	RSN3187_CHICHI.05_TCU064N.AT2 RSN3187_CHICHI.05_TCU064E.AT2 RSN3187_CHICHI.05_TCU064V.AT2
3202	Chi-Chi, Taiwan-05 TCU102 1999	6.2	50	714.27	Reverse	10.6	0.55	RSN3202_CHICHI.05_TCU102N.AT2 RSN3202_CHICHI.05_TCU102E.AT2 RSN3202_CHICHI.05_TCU102V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.32	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3706	Whittier Narrows-02 Glendora - N Oakbank 1987	5.27	21	362.31	Reverse O	6.5	1.06	RSN3706_WHITTIER.B_B-OAK080.AT RSN3706_WHITTIER.B_B-OAK170.AT RSN3706_WHITTIER.B_B-OAK-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	0.76	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	0.34	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	0.31	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
3942	Tottori, Japan SMN010 2000	6.61	122	639.38	strike slip	8.5	1.52	RSN3942_TOTTORI_SMN010NS.AT2 RSN3942_TOTTORI_SMN010EW.AT2 RSN3942_TOTTORI_SMN010UD.AT2
4086	Parkfield-02, CA TEMPLETON - HOSPITAL GROUNDS 2004	6	43	410.66	strike slip	12.7	0.75	RSN4086_PARK2004_36712-20.AT2 RSN4086_PARK2004_36712110.AT2 RSN4086_PARK2004_36712-UP.AT2
4351	Umbria Marche, Italy Matelica 1997	6	23	437	Normal	3.3	0.28	RSN4351_UBMARCHE.P_A-MTL000.A RSN4351_UBMARCHE.P_A-MTL270.A RSN4351_UBMARCHE.P_A-MTL-DN.A
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	0.55	RSN4380_UBMARCHE.P_I-NRC000.AT RSN4380_UBMARCHE.P_I-NRC270.AT RSN4380_UBMARCHE.P_I-NRC-DN.AT
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	0.41	RSN4384_UBMARCHE.P_J-CSC000.AT RSN4384_UBMARCHE.P_J-CSC270.AT RSN4384_UBMARCHE.P_J-CSCDWN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	0.53	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.38	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.5	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.25	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
7108	Wenchuan, China-04 Anxiantashui 2008	5.5	41	376.1	Reverse	8.7	1.02	RSN7108_WENCHUAN.04_51AXTNS. RSN7108_WENCHUAN.04_51AXTEW RSN7108_WENCHUAN.04_51AXTUD.
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	0.89	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
8689	40204628 Black Mountain Los Altos 2007	5.45	35	584	strike slip	8.3	3.02	RSN8689_40204628_NJBMBHNN.AT2 RSN8689_40204628_NJBMBHNE.AT2 RSN8689_40204628_NJBMBHNZ.AT2
8704	40204628 Stanford Telescope 2007	5.45	34	432	strike slip	13.4	2.43	RSN8704_40204628_NJSFBHNN.AT2 RSN8704_40204628_NJSFBHNE.AT2 RSN8704_40204628_NJSFBHNZ.AT2
8744	40204628 Wente Vineyards, Livermore, CA, US 2007	5.45	19	360.27	strike slip	12.4	2.7	RSN8744_40204628_BWENLHLN.AT2 RSN8744_40204628_BWENLHLE.AT2 RSN8744_40204628_BWENLHLZ.AT2
8774	14383980 Caltech Athenaeum Cellar 2008	5.39	37	399	Reverse O	7.1	0.71	RSN8774_14383980_CICACHNN.AT2 RSN8774_14383980_CICACHNE.AT2 RSN8774_14383980_CICACHNZ.AT2
8804	14383980 Kinemetrics 2008	5.39	36	383.09	Reverse O	11.4	0.97	RSN8804_14383980_CIKIKHNN.AT2 RSN8804_14383980_CIKIKHNE.AT2 RSN8804_14383980_CIKIKHNZ.AT2
8827	14383980 Padua 2008	5.39	22	388.68	Reverse O	1.5	0.46	RSN8827_14383980_CIPDUHNN.AT2 RSN8827_14383980_CIPDUHNE.AT2 RSN8827_14383980_CIPDUHNZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	1.07	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8867	14383980 Table Mountain 2 2008	5.39	48	586	Reverse O	9	1.41	RSN8867_14383980_CITA2HNN.AT2 RSN8867_14383980_CITA2HNE.AT2 RSN8867_14383980_CITA2HNZ.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	0.57	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2
8936	14383980 Corona Del Mar - Oasis Senior Cente 2008	5.39	38	382.16	Reverse O	4.9	1.01	RSN8936_14383980_U5285360.AT2 RSN8936_14383980_U5285090.AT2 RSN8936_14383980_U5285-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	1.1	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

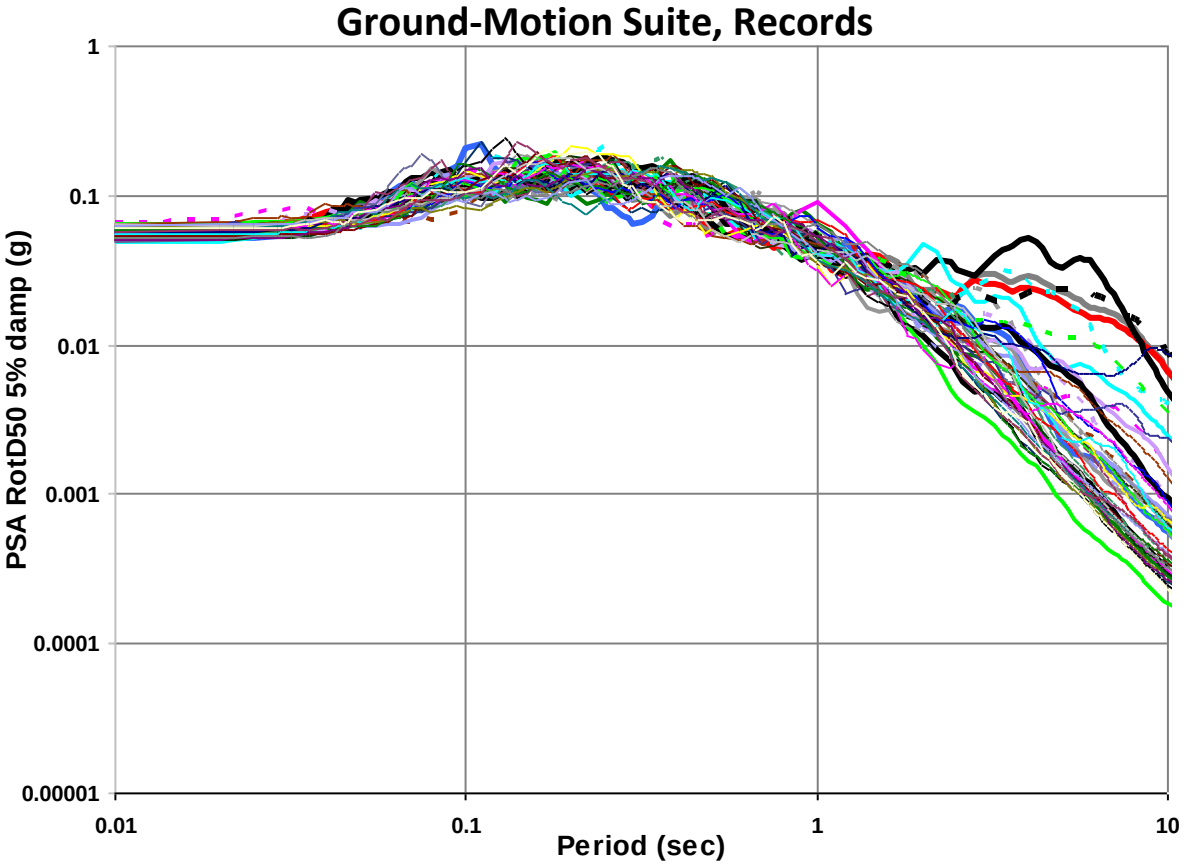
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
48	Lytle Creek Puddingstone Dam (Abutment) 1970	5.33	29	421.44	Reverse O	5	2.65	RSN48_LYTLECR_PUD055.AT2 RSN48_LYTLECR_PUD325.AT2 RSN48_LYTLECR_PUDDWN.AT2
59	San Fernando Cedar Springs, Allen Ranch 1971	6.61	89	813.48	Reverse	5.8	2.44	RSN59_SFERN_CSM095.AT2 RSN59_SFERN_CSM185.AT2 RSN59_SFERN_CSMDWN.AT2
212	Livermore-01 Del Valle Dam (Toe) 1980	5.8	24	403.37	strike slip	3.2	0.28	RSN212_LIVERMOR_A-DVD156.AT2 RSN212_LIVERMOR_A-DVD246.AT2 RSN212_LIVERMOR_A-DVD-UP.AT2
357	Coalinga-01 Parkfield - Stone Corral 3E 1983	6.36	33	565.08	Reverse	5.1	0.4	RSN357_COALINGA.H_H-SC3000.AT2 RSN357_COALINGA.H_H-SC3090.AT2 RSN357_COALINGA.H_H-SC3-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	0.69	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
697	Whittier Narrows-01 Sunland - Mt Gleason Ave 1987	5.99	25	402.16	Reverse O	4.8	0.61	RSN697_WHITTIER.A_A-GLE180.AT2 RSN697_WHITTIER.A_A-GLE270.AT2 RSN697_WHITTIER.A_A-GLE-UP.AT2
698	Whittier Narrows-01 Sylmar - Olive View Med FF 1987	5.99	39	440.54	Reverse O	6.3	0.76	RSN698_WHITTIER.A_A-SYL000.AT2 RSN698_WHITTIER.A_A-SYL090.AT2 RSN698_WHITTIER.A_A-SYL-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	1.06	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	0.81	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	0.49	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	0.61	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2237	Chi-Chi, Taiwan-02 HWA030 1999	5.9	39	592.18	Reverse	7.2	2.16	RSN2237_CHICHI.02_HWA030N.AT2 RSN2237_CHICHI.02_HWA030E.AT2 RSN2237_CHICHI.02_HWA030V.AT2

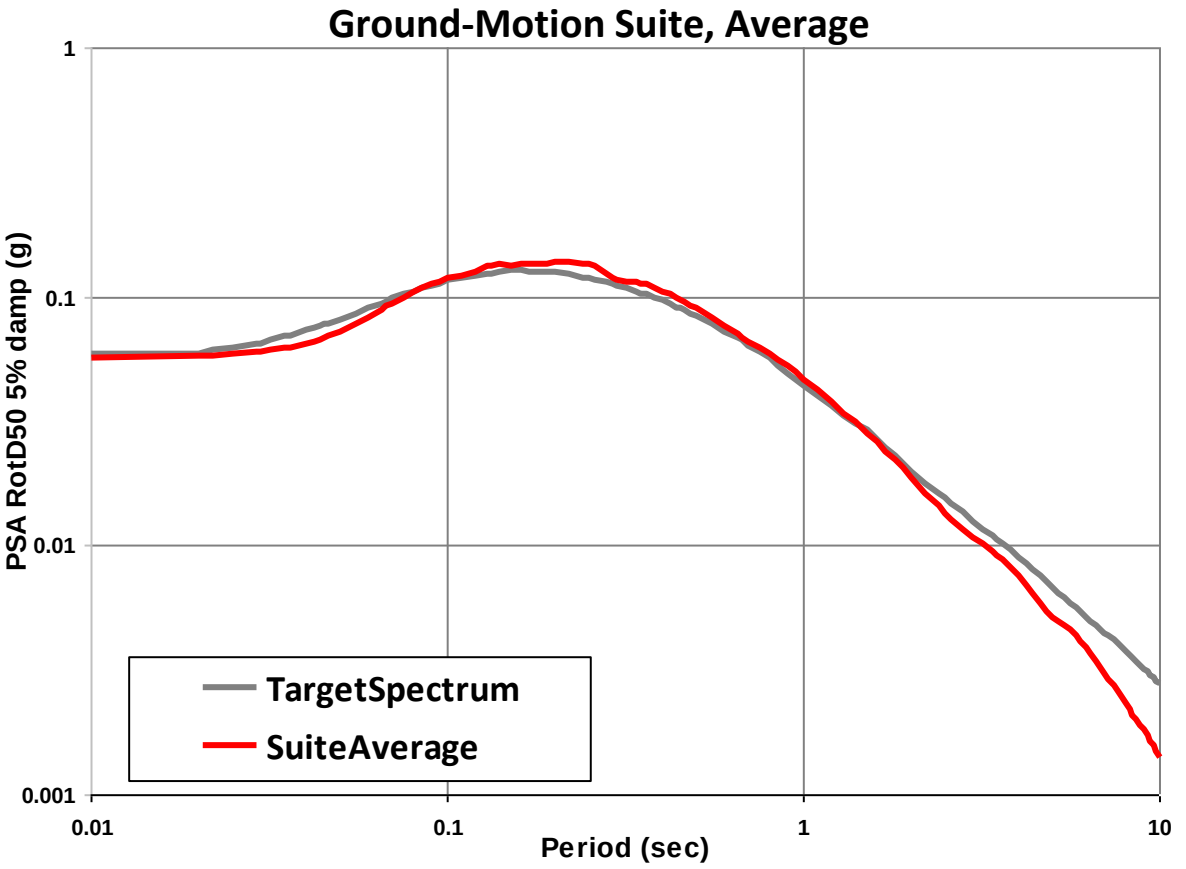
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
2255	Chi-Chi, Taiwan-02 HWA051 1999	5.9	44	440.5	Reverse	8.3	1.1	RSN2255_CHICHI.02_HWA051N.AT2 RSN2255_CHICHI.02_HWA051W.AT2 RSN2255_CHICHI.02_HWA051V.AT2
2388	Chi-Chi, Taiwan-02 TCU075 1999	5.9	30	573.02	Reverse	7.8	1.08	RSN2388_CHICHI.02_TCU075N.AT2 RSN2388_CHICHI.02_TCU075E.AT2 RSN2388_CHICHI.02_TCU075V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.27	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	1.58	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2772	Chi-Chi, Taiwan-04 HWA024 1999	6.2	46	671.52	strike slip	10	3.69	RSN2772_CHICHI.04_HWA024N.AT2 RSN2772_CHICHI.04_HWA024E.AT2 RSN2772_CHICHI.04_HWA024V.AT2
2804	Chi-Chi, Taiwan-04 KAU001 1999	6.2	45	573.04	strike slip	11.3	2.21	RSN2804_CHICHI.04_KAU001N.AT2 RSN2804_CHICHI.04_KAU001W.AT2 RSN2804_CHICHI.04_KAU001V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.86	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3202	Chi-Chi, Taiwan-05 TCU102 1999	6.2	50	714.27	Reverse	10.6	0.86	RSN3202_CHICHI.05_TCU102N.AT2 RSN3202_CHICHI.05_TCU102E.AT2 RSN3202_CHICHI.05_TCU102V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.5	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.34	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3706	Whittier Narrows-02 Glendora - N Oakbank 1987	5.27	21	362.31	Reverse O	6.5	1.65	RSN3706_WHITTIER.B_B-OAK080.AT RSN3706_WHITTIER.B_B-OAK170.AT RSN3706_WHITTIER.B_B-OAK-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	1.17	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	0.53	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	0.48	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
3942	Tottori, Japan SMN010 2000	6.61	122	639.38	strike slip	8.5	2.36	RSN3942_TOTTORI_SMN010NS.AT2 RSN3942_TOTTORI_SMN010EW.AT2 RSN3942_TOTTORI_SMN010UD.AT2
4351	Umbria Marche, Italy Matelica 1997	6	23	437	Normal	3.3	0.44	RSN4351_UBMARCHE.P_A-MTL000.A RSN4351_UBMARCHE.P_A-MTL270.A RSN4351_UBMARCHE.P_A-MTL-DN.A
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	0.86	RSN4380_UBMARCHE.P_I-NRC000.AT RSN4380_UBMARCHE.P_I-NRC270.AT RSN4380_UBMARCHE.P_I-NRC-DN.AT
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	0.64	RSN4384_UBMARCHE.P_J-CSC000.AT RSN4384_UBMARCHE.P_J-CSC270.AT RSN4384_UBMARCHE.P_J-CSCDWN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	0.83	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.25	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.59	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.77	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.39	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	0.35	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.28	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.38	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
7108	Wenchuan, China-04 Anxiantashui 2008	5.5	41	376.1	Reverse	8.7	1.58	RSN7108_WENCHUAN.04_51AXTNS. RSN7108_WENCHUAN.04_51AXTEW RSN7108_WENCHUAN.04_51AXTUD.
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	1.39	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8704	40204628 Stanford Telescope 2007	5.45	34	432	strike slip	13.4	3.77	RSN8704_40204628_NJSFBHNN.AT2 RSN8704_40204628_NJSFBHNE.AT2 RSN8704_40204628_NJSFBHNZ.AT2
8774	14383980 Caltech Athenaeum Cellar 2008	5.39	37	399	Reverse O	7.1	1.11	RSN8774_14383980_CICACHNN.AT2 RSN8774_14383980_CICACHNE.AT2 RSN8774_14383980_CICACHNZ.AT2
8804	14383980 Kinemetrics 2008	5.39	36	383.09	Reverse O	11.4	1.5	RSN8804_14383980_CIKIKHNN.AT2 RSN8804_14383980_CIKIKHNE.AT2 RSN8804_14383980_CIKIKHNZ.AT2
8827	14383980 Padua 2008	5.39	22	388.68	Reverse O	1.5	0.72	RSN8827_14383980_CIPDUHNN.AT2 RSN8827_14383980_CIPDUHNE.AT2 RSN8827_14383980_CIPDUHNZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	1.66	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	0.88	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2
8936	14383980 Corona Del Mar - Oasis Senior Cente 2008	5.39	38	382.16	Reverse O	4.9	1.57	RSN8936_14383980_U5285360.AT2 RSN8936_14383980_U5285090.AT2 RSN8936_14383980_U5285-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	1.71	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

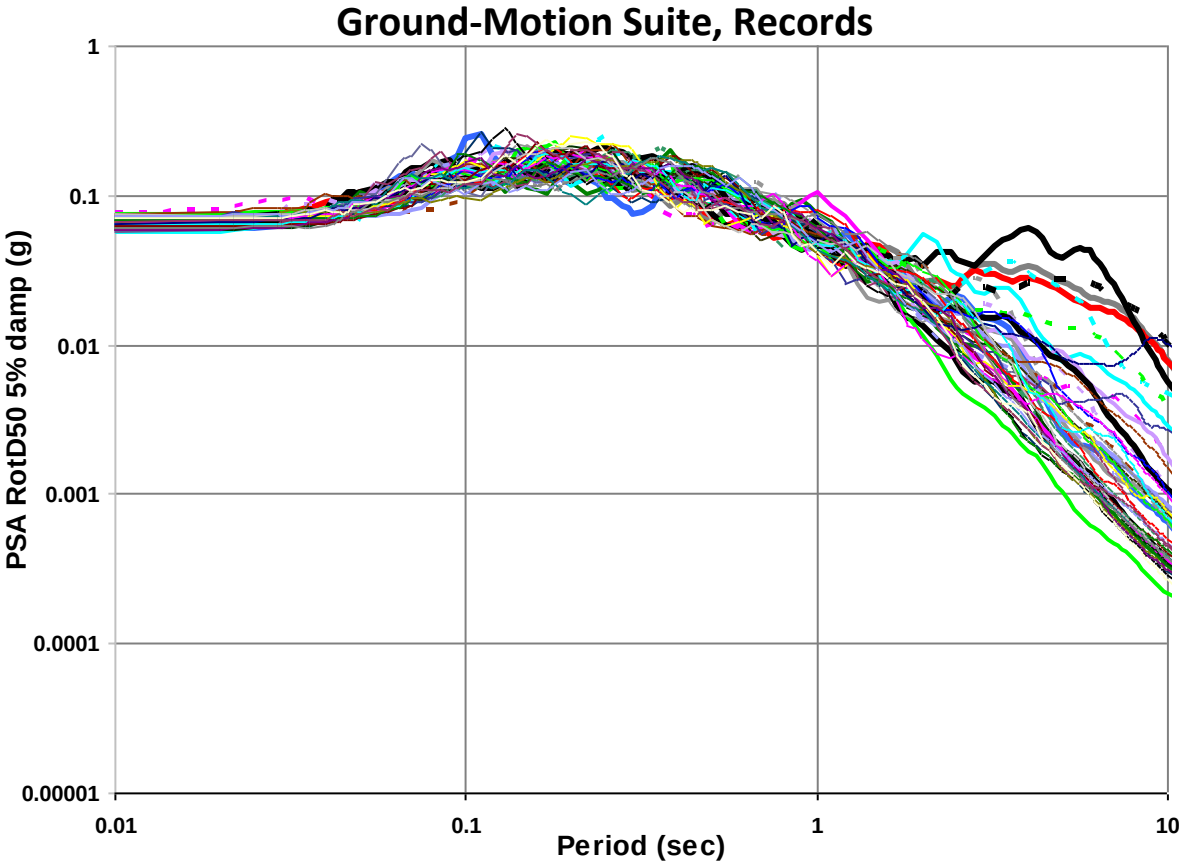
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
48	Lytle Creek Puddingstone Dam (Abutment) 1970	5.33	29	421.44	Reverse O	5	3.33	RSN48_LYTLECR_PUD055.AT2 RSN48_LYTLECR_PUD325.AT2 RSN48_LYTLECR_PUDDWN.AT2
59	San Fernando Cedar Springs, Allen Ranch 1971	6.61	89	813.48	Reverse	5.8	3.06	RSN59_SFERN_CSM095.AT2 RSN59_SFERN_CSM185.AT2 RSN59_SFERN_CSMDWN.AT2
155	Norcia, Italy Bevagna 1979	5.9	31	401.34	Normal	9.8	1.78	RSN155_ITALY_F-BEV-NS.AT2 RSN155_ITALY_F-BEV-EW.AT2 RSN155_ITALY_F-BEV-UP.AT2
212	Livermore-01 Del Valle Dam (Toe) 1980	5.8	24	403.37	strike slip	3.2	0.35	RSN212_LIVERMOR_A-DVD156.AT2 RSN212_LIVERMOR_A-DVD246.AT2 RSN212_LIVERMOR_A-DVD-UP.AT2
357	Coalinga-01 Parkfield - Stone Corral 3E 1983	6.36	33	565.08	Reverse	5.1	0.5	RSN357_COALINGA.H_H-SC3000.AT2 RSN357_COALINGA.H_H-SC3090.AT2 RSN357_COALINGA.H_H-SC3-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	0.27	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	0.87	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
698	Whittier Narrows-01 Sylmar - Olive View Med FF 1987	5.99	39	440.54	Reverse O	6.3	0.95	RSN698_WHITTIER.A_A-SYL000.AT2 RSN698_WHITTIER.A_A-SYL090.AT2 RSN698_WHITTIER.A_A-SYL-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	1.33	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	1.01	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	0.61	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	0.76	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2

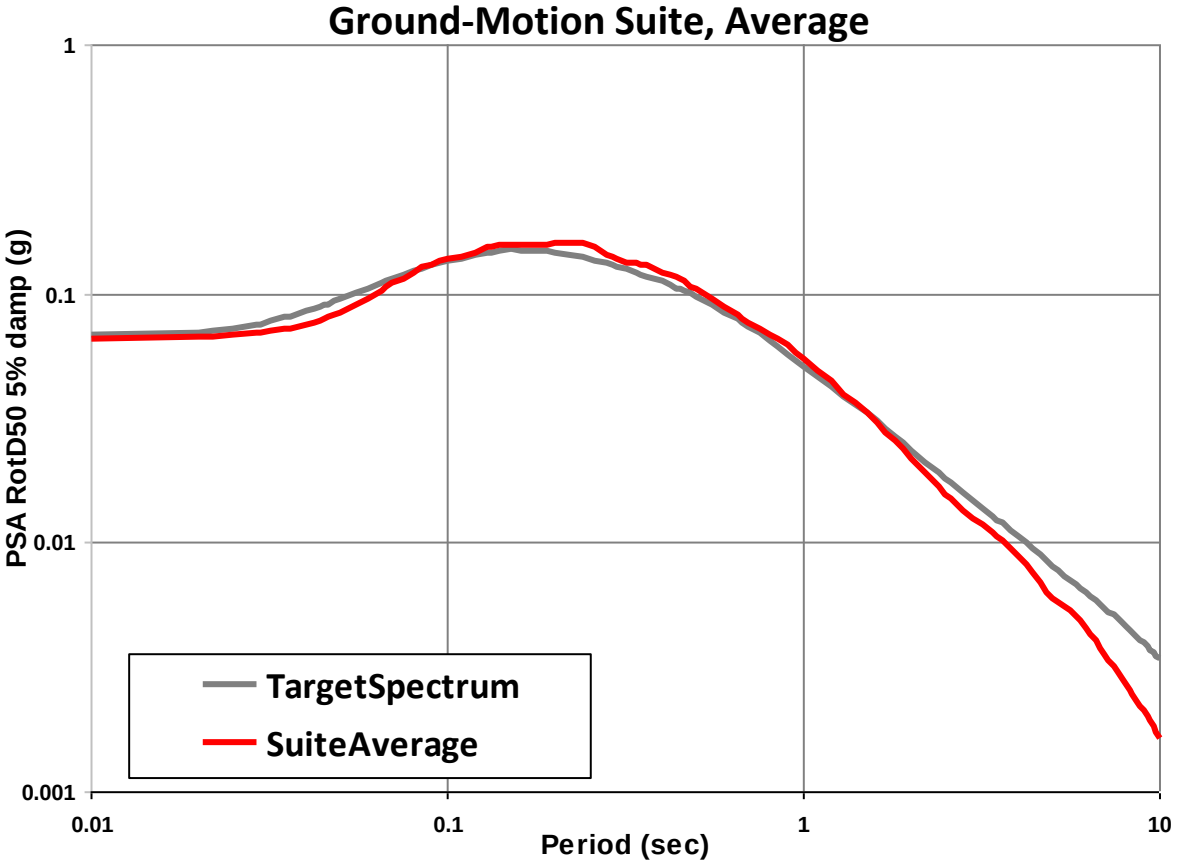
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
2237	Chi-Chi, Taiwan-02 HWA030 1999	5.9	39	592.18	Reverse	7.2	2.71	RSN2237_CHICHI.02_HWA030N.AT2 RSN2237_CHICHI.02_HWA030E.AT2 RSN2237_CHICHI.02_HWA030V.AT2
2255	Chi-Chi, Taiwan-02 HWA051 1999	5.9	44	440.5	Reverse	8.3	1.38	RSN2255_CHICHI.02_HWA051N.AT2 RSN2255_CHICHI.02_HWA051W.AT2 RSN2255_CHICHI.02_HWA051V.AT2
2388	Chi-Chi, Taiwan-02 TCU075 1999	5.9	30	573.02	Reverse	7.8	1.35	RSN2388_CHICHI.02_TCU075N.AT2 RSN2388_CHICHI.02_TCU075E.AT2 RSN2388_CHICHI.02_TCU075V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.34	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	1.98	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2804	Chi-Chi, Taiwan-04 KAU001 1999	6.2	45	573.04	strike slip	11.3	2.78	RSN2804_CHICHI.04_KAU001N.AT2 RSN2804_CHICHI.04_KAU001W.AT2 RSN2804_CHICHI.04_KAU001V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.08	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3202	Chi-Chi, Taiwan-05 TCU102 1999	6.2	50	714.27	Reverse	10.6	1.08	RSN3202_CHICHI.05_TCU102N.AT2 RSN3202_CHICHI.05_TCU102E.AT2 RSN3202_CHICHI.05_TCU102V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.63	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.43	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3706	Whittier Narrows-02 Glendora - N Oakbank 1987	5.27	21	362.31	Reverse O	6.5	2.07	RSN3706_WHITTIER.B_B-OAK080.AT RSN3706_WHITTIER.B_B-OAK170.AT RSN3706_WHITTIER.B_B-OAK-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	1.47	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	0.67	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	0.6	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
3942	Tottori, Japan SMN010 2000	6.61	122	639.38	strike slip	8.5	2.97	RSN3942_TOTTORI_SMN010NS.AT2 RSN3942_TOTTORI_SMN010EW.AT2 RSN3942_TOTTORI_SMN010UD.AT2
4351	Umbria Marche, Italy Matelica 1997	6	23	437	Normal	3.3	0.55	RSN4351_UBMARCHE.P_A-MTL000.A RSN4351_UBMARCHE.P_A-MTL270.A RSN4351_UBMARCHE.P_A-MTL-DN.A
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	1.08	RSN4380_UBMARCHE.P_I-NRC000.AT RSN4380_UBMARCHE.P_I-NRC270.AT RSN4380_UBMARCHE.P_I-NRC-DN.AT
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	0.81	RSN4384_UBMARCHE.P_J-CSC000.AT RSN4384_UBMARCHE.P_J-CSC270.AT RSN4384_UBMARCHE.P_J-CSCDWN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.04	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.31	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.73	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.97	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.49	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	0.44	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.36	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.48	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
7108	Wenchuan, China-04 Anxiantashui 2008	5.5	41	376.1	Reverse	8.7	1.98	RSN7108_WENCHUAN.04_51AXTNS. RSN7108_WENCHUAN.04_51AXTEW RSN7108_WENCHUAN.04_51AXTUD.
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	1.74	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8774	14383980 Caltech Athenaeum Cellar 2008	5.39	37	399	Reverse O	7.1	1.39	RSN8774_14383980_CICACHNN.AT2 RSN8774_14383980_CICACHNE.AT2 RSN8774_14383980_CICACHNZ.AT2
8804	14383980 Kinemetrics 2008	5.39	36	383.09	Reverse O	11.4	1.89	RSN8804_14383980_CIKIKHNN.AT2 RSN8804_14383980_CIKIKHNE.AT2 RSN8804_14383980_CIKIKHNZ.AT2
8827	14383980 Padua 2008	5.39	22	388.68	Reverse O	1.5	0.9	RSN8827_14383980_CIPDUHNN.AT2 RSN8827_14383980_CIPDUHNE.AT2 RSN8827_14383980_CIPDUHNZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	2.08	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8867	14383980 Table Mountain 2 2008	5.39	48	586	Reverse O	9	2.75	RSN8867_14383980_CITA2HNN.AT2 RSN8867_14383980_CITA2HNE.AT2 RSN8867_14383980_CITA2HNZ.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	1.1	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2
8936	14383980 Corona Del Mar - Oasis Senior Cente 2008	5.39	38	382.16	Reverse O	4.9	1.97	RSN8936_14383980_U5285360.AT2 RSN8936_14383980_U5285090.AT2 RSN8936_14383980_U5285-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	2.15	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

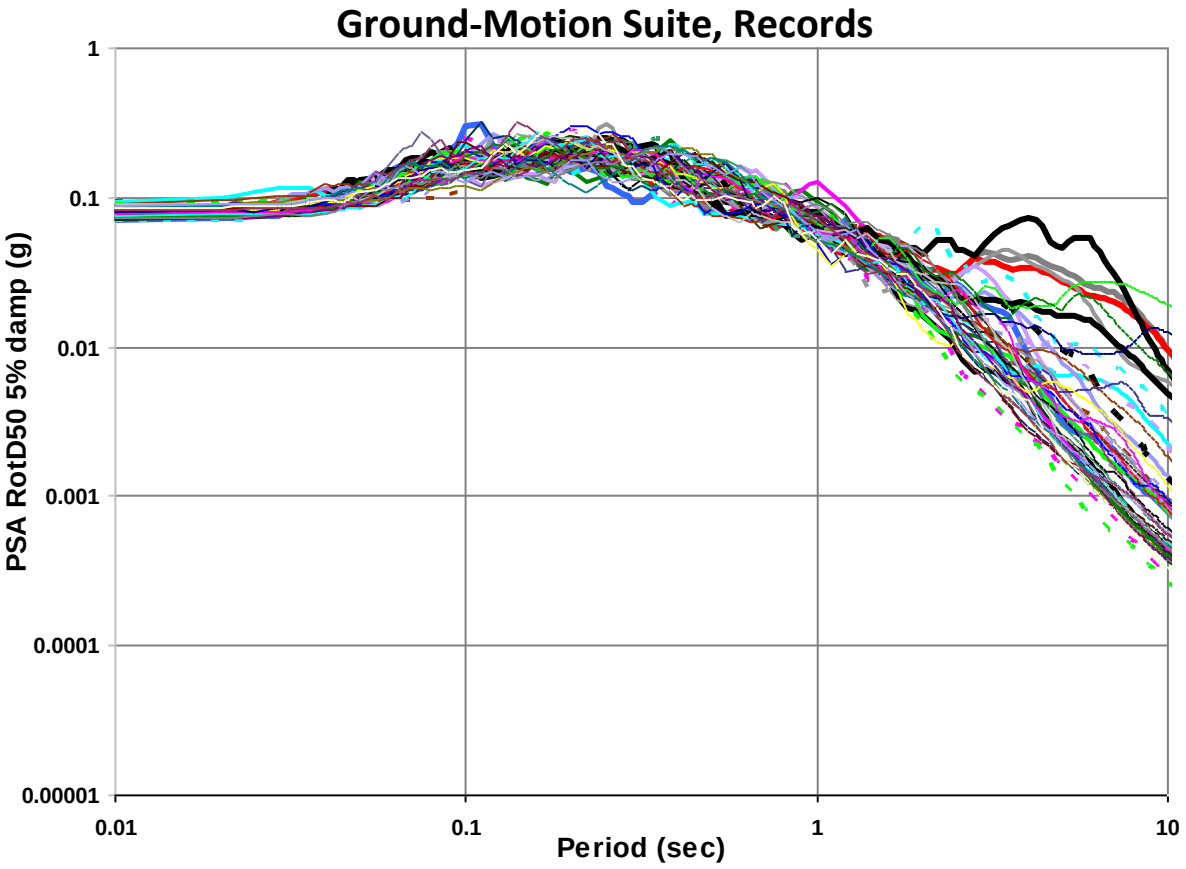
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
48	Lytle Creek Puddingstone Dam (Abutment) 1970	5.33	29	421.44	Reverse O	5	3.87	RSN48_LYTLECR_PUD055.AT2 RSN48_LYTLECR_PUD325.AT2 RSN48_LYTLECR_PUDDWN.AT2
59	San Fernando Cedar Springs, Allen Ranch 1971	6.61	89	813.48	Reverse	5.8	3.56	RSN59_SFERN_CSM095.AT2 RSN59_SFERN_CSM185.AT2 RSN59_SFERN_CSMDWN.AT2
155	Norcia, Italy Bevagna 1979	5.9	31	401.34	Normal	9.8	2.07	RSN155_ITALY_F-BEV-NS.AT2 RSN155_ITALY_F-BEV-EW.AT2 RSN155_ITALY_F-BEV-UP.AT2
212	Livermore-01 Del Valle Dam (Toe) 1980	5.8	24	403.37	strike slip	3.2	0.4	RSN212_LIVERMOR_A-DVD156.AT2 RSN212_LIVERMOR_A-DVD246.AT2 RSN212_LIVERMOR_A-DVD-UP.AT2
357	Coalinga-01 Parkfield - Stone Corral 3E 1983	6.36	33	565.08	Reverse	5.1	0.58	RSN357_COALINGA.H_H-SC3000.AT2 RSN357_COALINGA.H_H-SC3090.AT2 RSN357_COALINGA.H_H-SC3-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	0.32	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	1.01	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
698	Whittier Narrows-01 Sylmar - Olive View Med FF 1987	5.99	39	440.54	Reverse O	6.3	1.11	RSN698_WHITTIER.A_A-SYL000.AT2 RSN698_WHITTIER.A_A-SYL090.AT2 RSN698_WHITTIER.A_A-SYL-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	1.55	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	1.18	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	0.71	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	0.88	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2

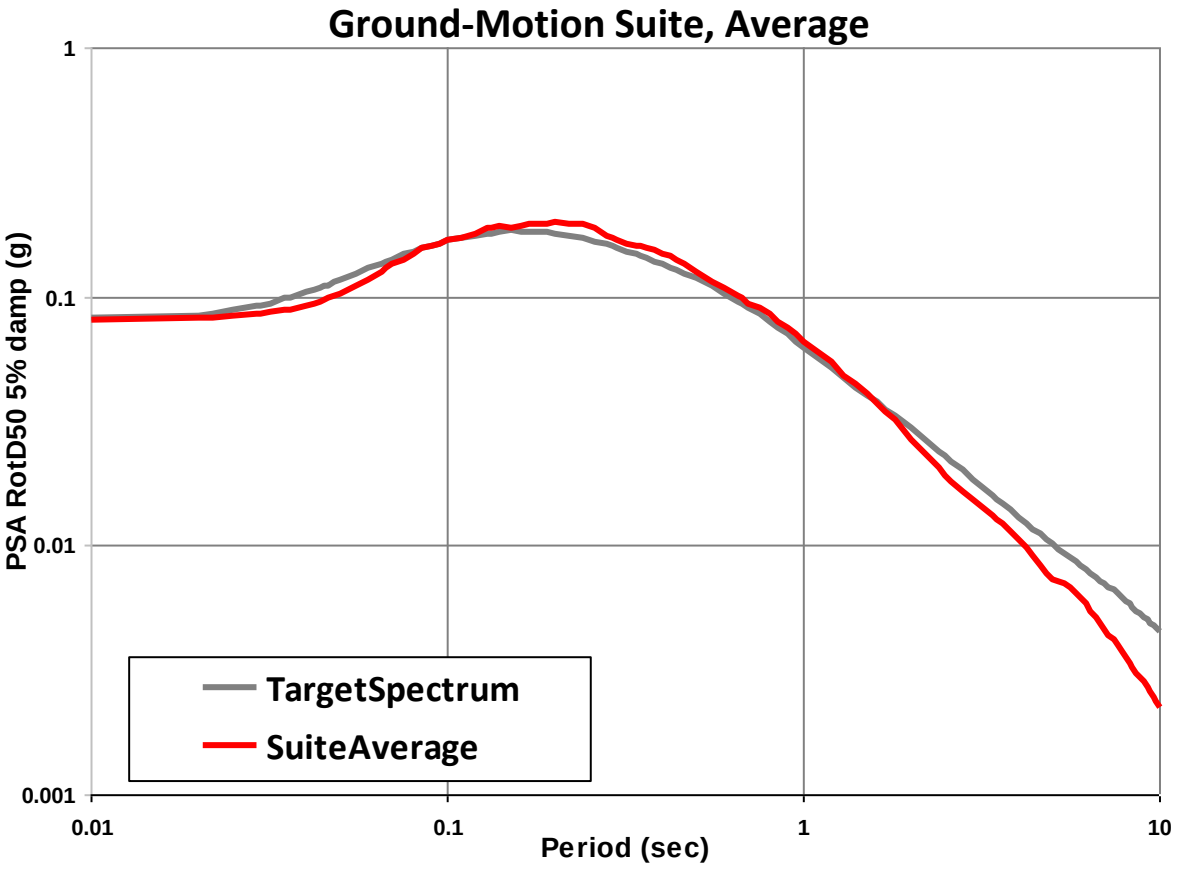
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
2237	Chi-Chi, Taiwan-02 HWA030 1999	5.9	39	592.18	Reverse	7.2	3.15	RSN2237_CHICHI.02_HWA030N.AT2 RSN2237_CHICHI.02_HWA030E.AT2 RSN2237_CHICHI.02_HWA030V.AT2
2255	Chi-Chi, Taiwan-02 HWA051 1999	5.9	44	440.5	Reverse	8.3	1.61	RSN2255_CHICHI.02_HWA051N.AT2 RSN2255_CHICHI.02_HWA051W.AT2 RSN2255_CHICHI.02_HWA051V.AT2
2388	Chi-Chi, Taiwan-02 TCU075 1999	5.9	30	573.02	Reverse	7.8	1.57	RSN2388_CHICHI.02_TCU075N.AT2 RSN2388_CHICHI.02_TCU075E.AT2 RSN2388_CHICHI.02_TCU075V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.4	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	2.3	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2804	Chi-Chi, Taiwan-04 KAU001 1999	6.2	45	573.04	strike slip	11.3	3.23	RSN2804_CHICHI.04_KAU001N.AT2 RSN2804_CHICHI.04_KAU001W.AT2 RSN2804_CHICHI.04_KAU001V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.26	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3202	Chi-Chi, Taiwan-05 TCU102 1999	6.2	50	714.27	Reverse	10.6	1.25	RSN3202_CHICHI.05_TCU102N.AT2 RSN3202_CHICHI.05_TCU102E.AT2 RSN3202_CHICHI.05_TCU102V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.73	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.5	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3706	Whittier Narrows-02 Glendora - N Oakbank 1987	5.27	21	362.31	Reverse O	6.5	2.4	RSN3706_WHITTIER.B_B-OAK080.AT RSN3706_WHITTIER.B_B-OAK170.AT RSN3706_WHITTIER.B_B-OAK-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	1.71	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	0.77	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	0.7	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
3942	Tottori, Japan SMN010 2000	6.61	122	639.38	strike slip	8.5	3.45	RSN3942_TOTTORI_SMN010NS.AT2 RSN3942_TOTTORI_SMN010EW.AT2 RSN3942_TOTTORI_SMN010UD.AT2
4351	Umbria Marche, Italy Matelica 1997	6	23	437	Normal	3.3	0.64	RSN4351_UBMARCHE.P_A-MTL000.A RSN4351_UBMARCHE.P_A-MTL270.A RSN4351_UBMARCHE.P_A-MTL-DN.A
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	1.26	RSN4380_UBMARCHE.P_I-NRC000.AT RSN4380_UBMARCHE.P_I-NRC270.AT RSN4380_UBMARCHE.P_I-NRC-DN.AT
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	0.94	RSN4384_UBMARCHE.P_J-CSC000.AT RSN4384_UBMARCHE.P_J-CSC270.AT RSN4384_UBMARCHE.P_J-CSCDWN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.21	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.36	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.85	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	1.13	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.57	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	0.51	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.42	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.56	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
7108	Wenchuan, China-04 Anxiantashui 2008	5.5	41	376.1	Reverse	8.7	2.31	RSN7108_WENCHUAN.04_51AXTNS. RSN7108_WENCHUAN.04_51AXTEW RSN7108_WENCHUAN.04_51AXTUD.
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	2.03	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8774	14383980 Caltech Athenaeum Cellar 2008	5.39	37	399	Reverse O	7.1	1.62	RSN8774_14383980_CICACHNN.AT2 RSN8774_14383980_CICACHNE.AT2 RSN8774_14383980_CICACHNZ.AT2
8804	14383980 Kinemetrics 2008	5.39	36	383.09	Reverse O	11.4	2.2	RSN8804_14383980_CIKIKHNN.AT2 RSN8804_14383980_CIKIKHNE.AT2 RSN8804_14383980_CIKIKHNZ.AT2
8827	14383980 Padua 2008	5.39	22	388.68	Reverse O	1.5	1.04	RSN8827_14383980_CIPDUHNN.AT2 RSN8827_14383980_CIPDUHNE.AT2 RSN8827_14383980_CIPDUHNZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	2.42	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8867	14383980 Table Mountain 2 2008	5.39	48	586	Reverse O	9	3.2	RSN8867_14383980_CITA2HNN.AT2 RSN8867_14383980_CITA2HNE.AT2 RSN8867_14383980_CITA2HNZ.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	1.28	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2
8936	14383980 Corona Del Mar - Oasis Senior Cente 2008	5.39	38	382.16	Reverse O	4.9	2.29	RSN8936_14383980_U5285360.AT2 RSN8936_14383980_U5285090.AT2 RSN8936_14383980_U5285-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	2.5	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

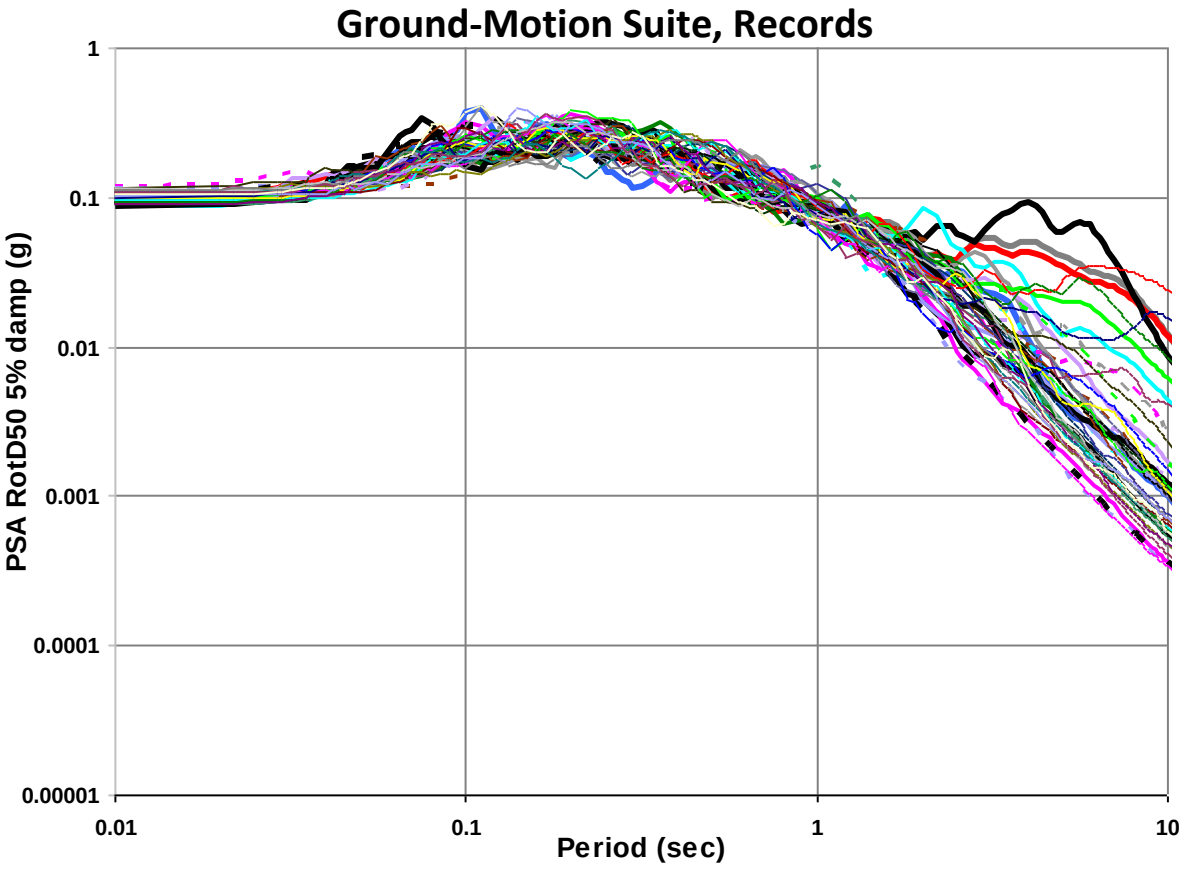
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
155	Norcia, Italy Bevagna 1979	5.9	31	401.34	Normal	9.8	2.53	RSN155_ITALY_F-BEV-NS.AT2 RSN155_ITALY_F-BEV-EW.AT2 RSN155_ITALY_F-BEV-UP.AT2
212	Livermore-01 Del Valle Dam (Toe) 1980	5.8	24	403.37	strike slip	3.2	0.49	RSN212_LIVERMOR_A-DVD156.AT2 RSN212_LIVERMOR_A-DVD246.AT2 RSN212_LIVERMOR_A-DVD-UP.AT2
246	Mammoth Lakes-06 Benton 1980	5.94	42	370.94	strike slip	3.6	0.61	RSN246_MAMMOTH.L_L-BEN270.AT RSN246_MAMMOTH.L_L-BEN360.AT RSN246_MAMMOTH.L_L-BEN-UP.AT
357	Coalinga-01 Parkfield - Stone Corral 3E 1983	6.36	33	565.08	Reverse	5.1	0.71	RSN357_COALINGA.H_H-SC3000.AT2 RSN357_COALINGA.H_H-SC3090.AT2 RSN357_COALINGA.H_H-SC3-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	0.39	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	1.24	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
698	Whittier Narrows-01 Sylmar - Olive View Med FF 1987	5.99	39	440.54	Reverse O	6.3	1.36	RSN698_WHITTIER.A_A-SYL000.AT2 RSN698_WHITTIER.A_A-SYL090.AT2 RSN698_WHITTIER.A_A-SYL-UP.AT2
774	Loma Prieta Hayward City Hall - North 1989	6.93	55	735.44	Reverse O	7.1	1.39	RSN774_LOMAP_HYN064.AT2 RSN774_LOMAP_HYN334.AT2 RSN774_LOMAP_HYN-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	1.89	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	1.44	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	0.87	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	1.08	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2

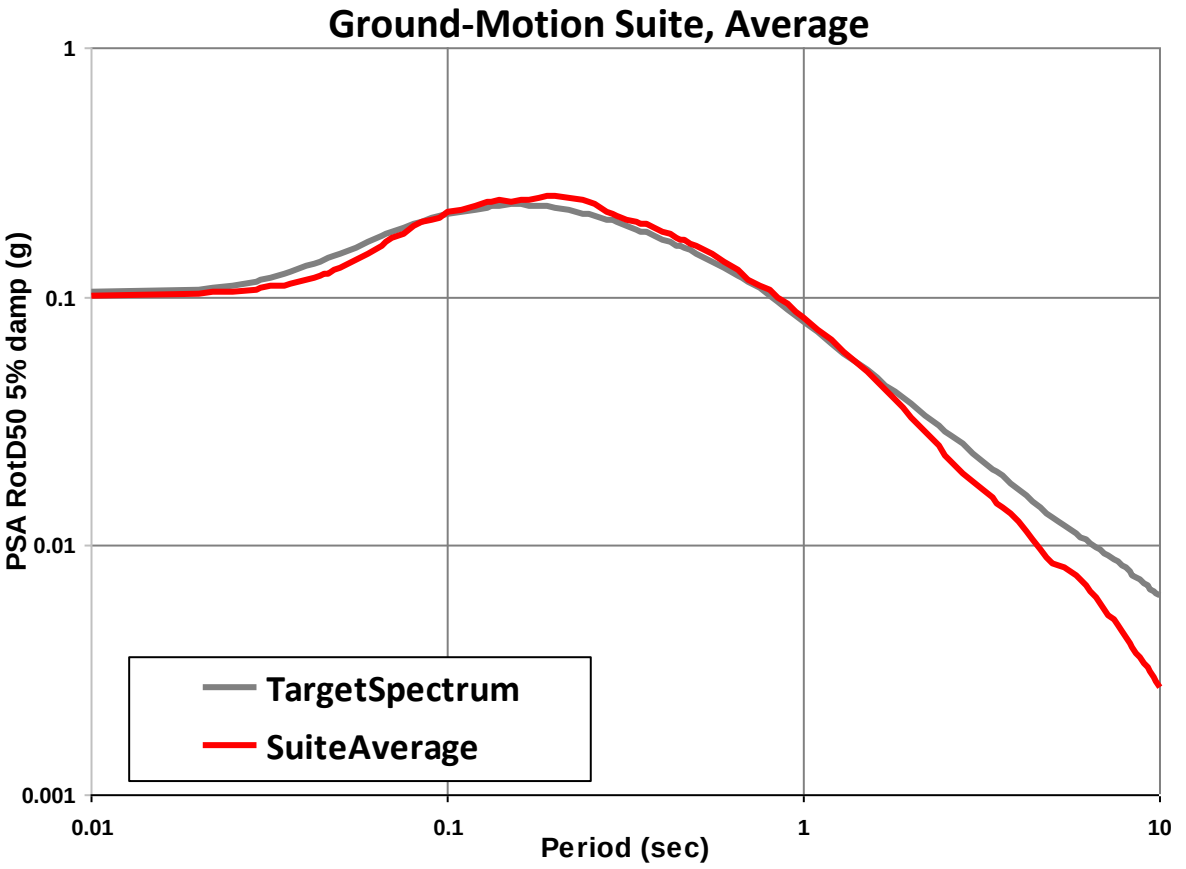
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
2237	Chi-Chi, Taiwan-02 HWA030 1999	5.9	39	592.18	Reverse	7.2	3.86	RSN2237_CHICHI.02_HWA030N.AT2 RSN2237_CHICHI.02_HWA030E.AT2 RSN2237_CHICHI.02_HWA030V.AT2
2255	Chi-Chi, Taiwan-02 HWA051 1999	5.9	44	440.5	Reverse	8.3	1.97	RSN2255_CHICHI.02_HWA051N.AT2 RSN2255_CHICHI.02_HWA051W.AT2 RSN2255_CHICHI.02_HWA051V.AT2
2388	Chi-Chi, Taiwan-02 TCU075 1999	5.9	30	573.02	Reverse	7.8	1.93	RSN2388_CHICHI.02_TCU075N.AT2 RSN2388_CHICHI.02_TCU075E.AT2 RSN2388_CHICHI.02_TCU075V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.49	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	2.81	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2804	Chi-Chi, Taiwan-04 KAU001 1999	6.2	45	573.04	strike slip	11.3	3.95	RSN2804_CHICHI.04_KAU001N.AT2 RSN2804_CHICHI.04_KAU001W.AT2 RSN2804_CHICHI.04_KAU001V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.54	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3202	Chi-Chi, Taiwan-05 TCU102 1999	6.2	50	714.27	Reverse	10.6	1.53	RSN3202_CHICHI.05_TCU102N.AT2 RSN3202_CHICHI.05_TCU102E.AT2 RSN3202_CHICHI.05_TCU102V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.9	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.62	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3706	Whittier Narrows-02 Glendora - N Oakbank 1987	5.27	21	362.31	Reverse O	6.5	2.94	RSN3706_WHITTIER.B_B-OAK080.AT RSN3706_WHITTIER.B_B-OAK170.AT RSN3706_WHITTIER.B_B-OAK-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	2.1	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	0.95	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	0.85	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
4351	Umbria Marche, Italy Matelica 1997	6	23	437	Normal	3.3	0.79	RSN4351_UBMARCHE.P_A-MTL000.A RSN4351_UBMARCHE.P_A-MTL270.A RSN4351_UBMARCHE.P_A-MTL-DN.A
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	1.54	RSN4380_UBMARCHE.P_I-NRC000.AT RSN4380_UBMARCHE.P_I-NRC270.AT RSN4380_UBMARCHE.P_I-NRC-DN.AT
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	1.15	RSN4384_UBMARCHE.P_J-CSC000.AT RSN4384_UBMARCHE.P_J-CSC270.AT RSN4384_UBMARCHE.P_J-CSCDWN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.48	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.44	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.05	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	1.38	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.7	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
6008	El Mayor-Cucapah Julian Eagle Mine 2010	7.2	92	501	strike slip	19.2	2.48	RSN6008_SIERRA.MEX_JEM360.AT2 RSN6008_SIERRA.MEX_JEM-90.AT2 RSN6008_SIERRA.MEX_JEM-UP.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	0.63	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.51	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.69	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
7108	Wenchuan, China-04 Anxiantashui 2008	5.5	41	376.1	Reverse	8.7	2.82	RSN7108_WENCHUAN.04_51AXTNS. RSN7108_WENCHUAN.04_51AXTEW RSN7108_WENCHUAN.04_51AXTUD.
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	2.48	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8774	14383980 Caltech Athenaeum Cellar 2008	5.39	37	399	Reverse O	7.1	1.98	RSN8774_14383980_CICACHNN.AT2 RSN8774_14383980_CICACHNE.AT2 RSN8774_14383980_CICACHNZ.AT2
8804	14383980 Kinemetrics 2008	5.39	36	383.09	Reverse O	11.4	2.69	RSN8804_14383980_CIKIKHNN.AT2 RSN8804_14383980_CIKIKHNE.AT2 RSN8804_14383980_CIKIKHNZ.AT2
8827	14383980 Padua 2008	5.39	22	388.68	Reverse O	1.5	1.28	RSN8827_14383980_CIPDUHNN.AT2 RSN8827_14383980_CIPDUHNE.AT2 RSN8827_14383980_CIPDUHNZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	2.96	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8867	14383980 Table Mountain 2 2008	5.39	48	586	Reverse O	9	3.92	RSN8867_14383980_CITA2HNN.AT2 RSN8867_14383980_CITA2HNE.AT2 RSN8867_14383980_CITA2HNZ.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	1.57	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2
8936	14383980 Corona Del Mar - Oasis Senior Cente 2008	5.39	38	382.16	Reverse O	4.9	2.8	RSN8936_14383980_U5285360.AT2 RSN8936_14383980_U5285090.AT2 RSN8936_14383980_U5285-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	3.06	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**

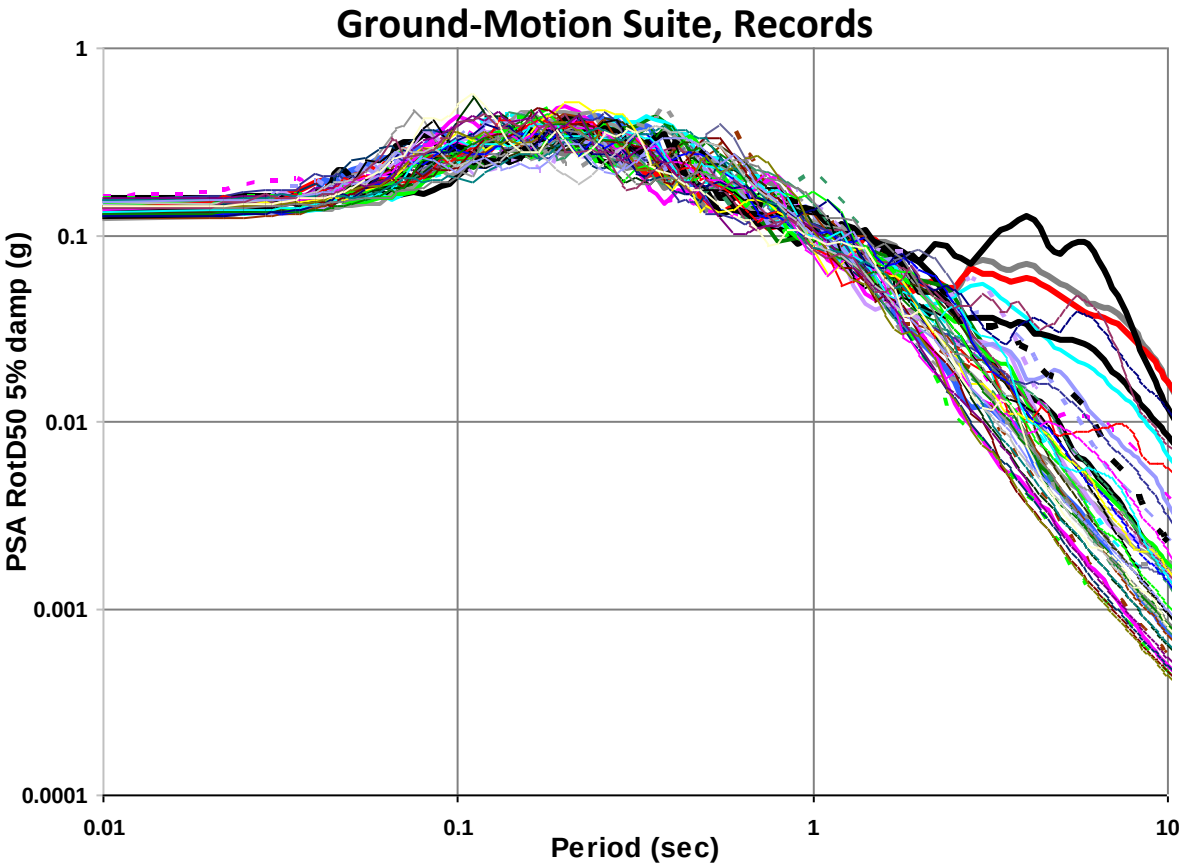
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
155	Norcia, Italy Bevagna 1979	5.9	31	401.34	Normal	9.8	3.17	RSN155_ITALY_F-BEV-NS.AT2 RSN155_ITALY_F-BEV-EW.AT2 RSN155_ITALY_F-BEV-UP.AT2
212	Livermore-01 Del Valle Dam (Toe) 1980	5.8	24	403.37	strike slip	3.2	0.62	RSN212_LIVERMOR_A-DVD156.AT2 RSN212_LIVERMOR_A-DVD246.AT2 RSN212_LIVERMOR_A-DVD-UP.AT2
246	Mammoth Lakes-06 Benton 1980	5.94	42	370.94	strike slip	3.6	0.76	RSN246_MAMMOTH.L_L-BEN270.AT RSN246_MAMMOTH.L_L-BEN360.AT RSN246_MAMMOTH.L_L-BEN-UP.AT
357	Coalinga-01 Parkfield - Stone Corral 3E 1983	6.36	33	565.08	Reverse	5.1	0.89	RSN357_COALINGA.H_H-SC3000.AT2 RSN357_COALINGA.H_H-SC3090.AT2 RSN357_COALINGA.H_H-SC3-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	0.49	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	1.56	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
697	Whittier Narrows-01 Sunland - Mt Gleason Ave 1987	5.99	25	402.16	Reverse O	4.8	1.36	RSN697_WHITTIER.A_A-GLE180.AT2 RSN697_WHITTIER.A_A-GLE270.AT2 RSN697_WHITTIER.A_A-GLE-UP.AT2
698	Whittier Narrows-01 Sylmar - Olive View Med FF 1987	5.99	39	440.54	Reverse O	6.3	1.7	RSN698_WHITTIER.A_A-SYL000.AT2 RSN698_WHITTIER.A_A-SYL090.AT2 RSN698_WHITTIER.A_A-SYL-UP.AT2
774	Loma Prieta Hayward City Hall - North 1989	6.93	55	735.44	Reverse O	7.1	1.75	RSN774_LOMAP_HYN064.AT2 RSN774_LOMAP_HYN334.AT2 RSN774_LOMAP_HYN-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	2.38	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	1.81	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	1.09	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2

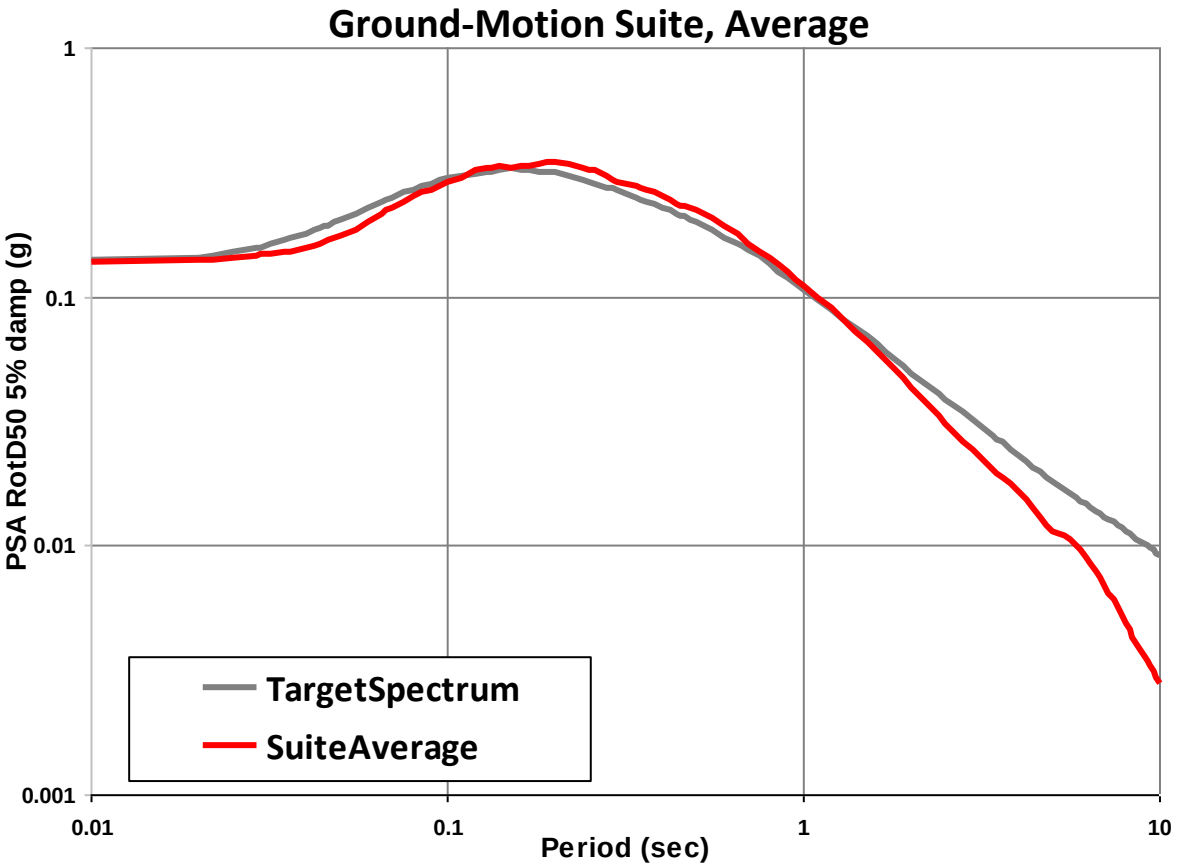
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	1.36	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2255	Chi-Chi, Taiwan-02 HWA051 1999	5.9	44	440.5	Reverse	8.3	2.47	RSN2255_CHICHI.02_HWA051N.AT2 RSN2255_CHICHI.02_HWA051W.AT2 RSN2255_CHICHI.02_HWA051V.AT2
2388	Chi-Chi, Taiwan-02 TCU075 1999	5.9	30	573.02	Reverse	7.8	2.42	RSN2388_CHICHI.02_TCU075N.AT2 RSN2388_CHICHI.02_TCU075E.AT2 RSN2388_CHICHI.02_TCU075V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.62	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	3.53	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.93	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3202	Chi-Chi, Taiwan-05 TCU102 1999	6.2	50	714.27	Reverse	10.6	1.93	RSN3202_CHICHI.05_TCU102N.AT2 RSN3202_CHICHI.05_TCU102E.AT2 RSN3202_CHICHI.05_TCU102V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	1.13	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.77	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3706	Whittier Narrows-02 Glendora - N Oakbank 1987	5.27	21	362.31	Reverse O	6.5	3.69	RSN3706_WHITTIER.B_B-OAK080.AT RSN3706_WHITTIER.B_B-OAK170.AT RSN3706_WHITTIER.B_B-OAK-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	2.63	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	1.19	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	1.07	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	1.1	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4351	Umbria Marche, Italy Matelica 1997	6	23	437	Normal	3.3	0.99	RSN4351_UBMARCHE.P_A-MTL000.A RSN4351_UBMARCHE.P_A-MTL270.A RSN4351_UBMARCHE.P_A-MTL-DN.A
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	1.93	RSN4380_UBMARCHE.P_I-NRC000.AT RSN4380_UBMARCHE.P_I-NRC270.AT RSN4380_UBMARCHE.P_I-NRC-DN.AT
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	1.45	RSN4384_UBMARCHE.P_J-CSC000.AT RSN4384_UBMARCHE.P_J-CSC270.AT RSN4384_UBMARCHE.P_J-CSCDWN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.86	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.56	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.31	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	1.73	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.87	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
6008	El Mayor-Cucapah Julian Eagle Mine 2010	7.2	92	501	strike slip	19.2	3.11	RSN6008_SIERRA.MEX_JEM360.AT2 RSN6008_SIERRA.MEX_JEM-90.AT2 RSN6008_SIERRA.MEX_JEM-UP.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	0.79	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.64	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.86	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
7108	Wenchuan, China-04 Anxiantashui 2008	5.5	41	376.1	Reverse	8.7	3.55	RSN7108_WENCHUAN.04_51AXTNS. RSN7108_WENCHUAN.04_51AXTEW RSN7108_WENCHUAN.04_51AXTUD.
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	3.12	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8774	14383980 Caltech Athenaeum Cellar 2008	5.39	37	399	Reverse O	7.1	2.48	RSN8774_14383980_CICACHNN.AT2 RSN8774_14383980_CICACHNE.AT2 RSN8774_14383980_CICACHNZ.AT2
8804	14383980 Kinemetrics 2008	5.39	36	383.09	Reverse O	11.4	3.37	RSN8804_14383980_CIKIKHNN.AT2 RSN8804_14383980_CIKIKHNE.AT2 RSN8804_14383980_CIKIKHNZ.AT2
8827	14383980 Padua 2008	5.39	22	388.68	Reverse O	1.5	1.61	RSN8827_14383980_CIPDUHNN.AT2 RSN8827_14383980_CIPDUHNE.AT2 RSN8827_14383980_CIPDUHNZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	3.72	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	1.97	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2
8936	14383980 Corona Del Mar - Oasis Senior Cente 2008	5.39	38	382.16	Reverse O	4.9	3.51	RSN8936_14383980_U5285360.AT2 RSN8936_14383980_U5285090.AT2 RSN8936_14383980_U5285-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	3.84	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2
8969	14383980 Garvey Res. - Control Bldg 2008	5.39	31	468.18	Reverse O	8.4	2.4	RSN8969_14383980_NS709204.AT2 RSN8969_14383980_NS709114.AT2 RSN8969_14383980_NS709-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**

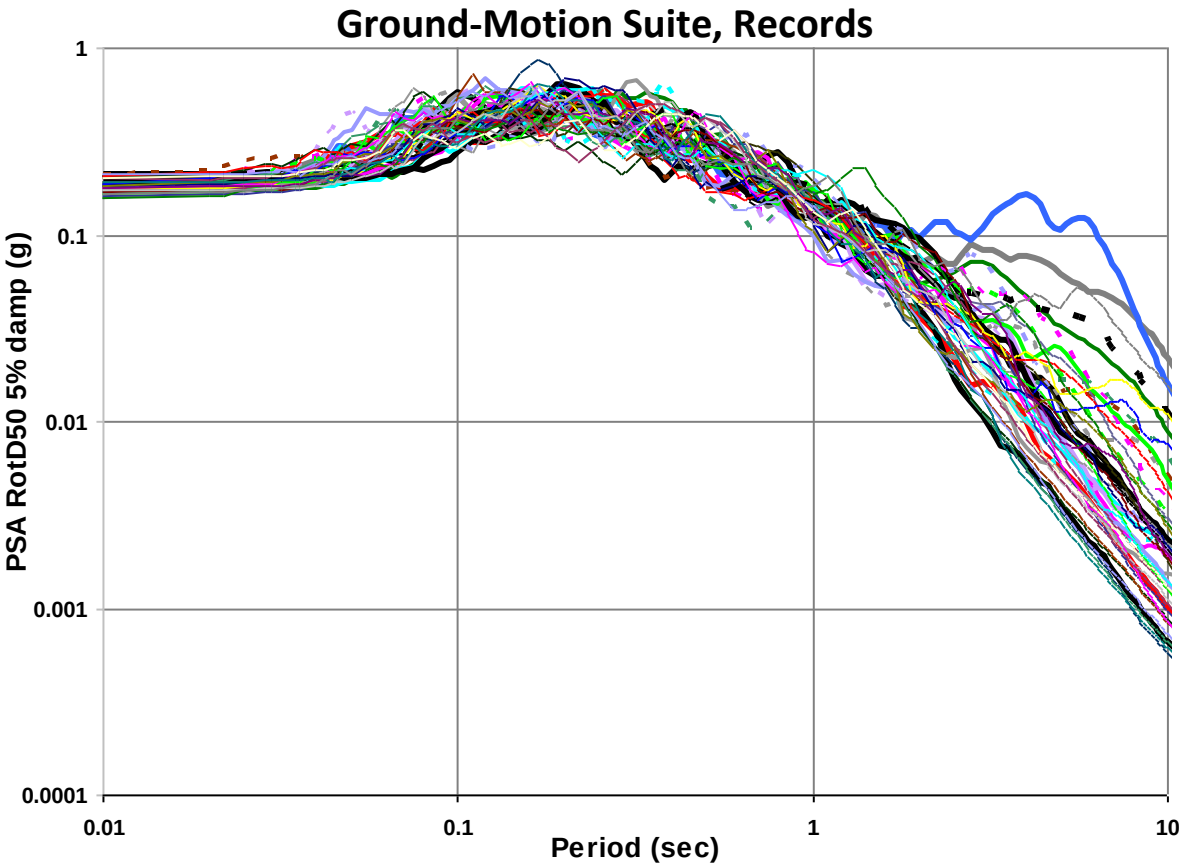
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
212	Livermore-01 Del Valle Dam (Toe) 1980	5.8	24	403.37	strike slip	3.2	0.84	RSN212_LIVERMOR_A-DVD156.AT2 RSN212_LIVERMOR_A-DVD246.AT2 RSN212_LIVERMOR_A-DVD-UP.AT2
246	Mammoth Lakes-06 Benton 1980	5.94	42	370.94	strike slip	3.6	1.03	RSN246_MAMMOTH.L_L-BEN270.AT RSN246_MAMMOTH.L_L-BEN360.AT RSN246_MAMMOTH.L_L-BEN-UP.AT
357	Coalinga-01 Parkfield - Stone Corral 3E 1983	6.36	33	565.08	Reverse	5.1	1.2	RSN357_COALINGA.H_H-SC3000.AT2 RSN357_COALINGA.H_H-SC3090.AT2 RSN357_COALINGA.H_H-SC3-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	0.66	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	2.11	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
697	Whittier Narrows-01 Sunland - Mt Gleason Ave 1987	5.99	25	402.16	Reverse O	4.8	1.84	RSN697_WHITTIER.A_A-GLE180.AT2 RSN697_WHITTIER.A_A-GLE270.AT2 RSN697_WHITTIER.A_A-GLE-UP.AT2
698	Whittier Narrows-01 Sylmar - Olive View Med FF 1987	5.99	39	440.54	Reverse O	6.3	2.31	RSN698_WHITTIER.A_A-SYL000.AT2 RSN698_WHITTIER.A_A-SYL090.AT2 RSN698_WHITTIER.A_A-SYL-UP.AT2
774	Loma Prieta Hayward City Hall - North 1989	6.93	55	735.44	Reverse O	7.1	2.37	RSN774_LOMAP_HYN064.AT2 RSN774_LOMAP_HYN334.AT2 RSN774_LOMAP_HYN-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	3.02	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	3.22	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	2.46	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	1.48	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2

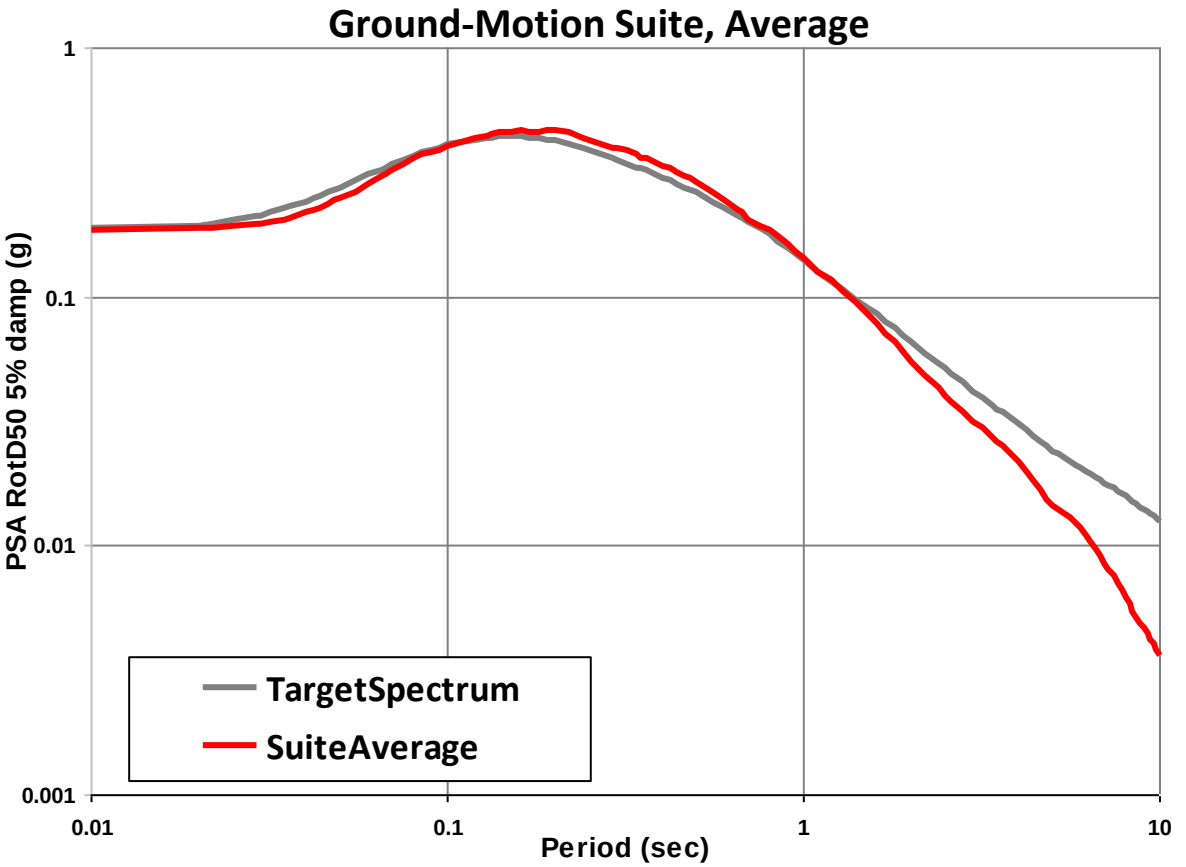
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	1.84	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2216	Chi-Chi, Taiwan-02 HWA005 1999	5.9	44	459.32	Reverse	6.5	3.21	RSN2216_CHICHI.02_HWA005N.AT2 RSN2216_CHICHI.02_HWA005W.AT2 RSN2216_CHICHI.02_HWA005V.AT2
2255	Chi-Chi, Taiwan-02 HWA051 1999	5.9	44	440.5	Reverse	8.3	3.35	RSN2255_CHICHI.02_HWA051N.AT2 RSN2255_CHICHI.02_HWA051W.AT2 RSN2255_CHICHI.02_HWA051V.AT2
2388	Chi-Chi, Taiwan-02 TCU075 1999	5.9	30	573.02	Reverse	7.8	3.28	RSN2388_CHICHI.02_TCU075N.AT2 RSN2388_CHICHI.02_TCU075E.AT2 RSN2388_CHICHI.02_TCU075V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.84	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2743	Chi-Chi, Taiwan-04 CHY087 1999	6.2	38	505.2	strike slip	6.8	1.73	RSN2743_CHICHI.04_CHY087N.AT2 RSN2743_CHICHI.04_CHY087E.AT2 RSN2743_CHICHI.04_CHY087V.AT2
2940	Chi-Chi, Taiwan-05 CHY019 1999	6.2	84	497.53	Reverse	7.3	2.23	RSN2940_CHICHI.05_CHY019N.AT2 RSN2940_CHICHI.05_CHY019W.AT2 RSN2940_CHICHI.05_CHY019V.AT2
2997	Chi-Chi, Taiwan-05 HWA005 1999	6.2	33	459.32	Reverse	7.7	1.56	RSN2997_CHICHI.05_HWA005N.AT2 RSN2997_CHICHI.05_HWA005W.AT2 RSN2997_CHICHI.05_HWA005V.AT2
3017	Chi-Chi, Taiwan-05 HWA030 1999	6.2	35	592.18	Reverse	8.4	2.68	RSN3017_CHICHI.05_HWA030N.AT2 RSN3017_CHICHI.05_HWA030E.AT2 RSN3017_CHICHI.05_HWA030V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.62	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3202	Chi-Chi, Taiwan-05 TCU102 1999	6.2	50	714.27	Reverse	10.6	2.62	RSN3202_CHICHI.05_TCU102N.AT2 RSN3202_CHICHI.05_TCU102E.AT2 RSN3202_CHICHI.05_TCU102V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	1.53	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.05	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	3.57	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	1.62	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	1.45	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
4086	Parkfield-02, CA TEMPLETON - HOSPITAL GROUNDS 2004	6	43	410.66	strike slip	12.7	3.56	RSN4086_PARK2004_36712-20.AT2 RSN4086_PARK2004_36712110.AT2 RSN4086_PARK2004_36712-UP.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	1.5	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4351	Umbria Marche, Italy Matelica 1997	6	23	437	Normal	3.3	1.34	RSN4351_UBMARCHE.P_A-MTL000.A RSN4351_UBMARCHE.P_A-MTL270.A RSN4351_UBMARCHE.P_A-MTL-DN.A
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	2.62	RSN4380_UBMARCHE.P_I-NRC000.AT RSN4380_UBMARCHE.P_I-NRC270.AT RSN4380_UBMARCHE.P_I-NRC-DN.AT
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	1.96	RSN4384_UBMARCHE.P_J-CSC000.AT RSN4384_UBMARCHE.P_J-CSC270.AT RSN4384_UBMARCHE.P_J-CSCDWN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	2.52	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.75	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.78	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	2.35	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	1.19	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	1.07	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.87	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	1.17	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8695	40204628 Huhtala Ln 2007	5.45	42	504.27	strike slip	5.8	3.84	RSN8695_40204628_NCJHUHNN.AT2 RSN8695_40204628_NCJHUHNE.AT2 RSN8695_40204628_NCJHUHNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.21	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8774	14383980 Caltech Athenaeum Cellar 2008	5.39	37	399	Reverse O	7.1	3.37	RSN8774_14383980_CICACHNN.AT2 RSN8774_14383980_CICACHNE.AT2 RSN8774_14383980_CICACHNZ.AT2
8827	14383980 Padua 2008	5.39	22	388.68	Reverse O	1.5	2.18	RSN8827_14383980_CIPDUHNN.AT2 RSN8827_14383980_CIPDUHNE.AT2 RSN8827_14383980_CIPDUHNZ.AT2
8837	14383980 Rio Hondo 2008	5.39	24	371.97	Reverse O	8.6	3.31	RSN8837_14383980_CIRIOHNN.AT2 RSN8837_14383980_CIRIOHNE.AT2 RSN8837_14383980_CIRIOHNZ.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	2.67	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2
8969	14383980 Garvey Res. - Control Bldg 2008	5.39	31	468.18	Reverse O	8.4	3.26	RSN8969_14383980_NS709204.AT2 RSN8969_14383980_NS709114.AT2 RSN8969_14383980_NS709-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**

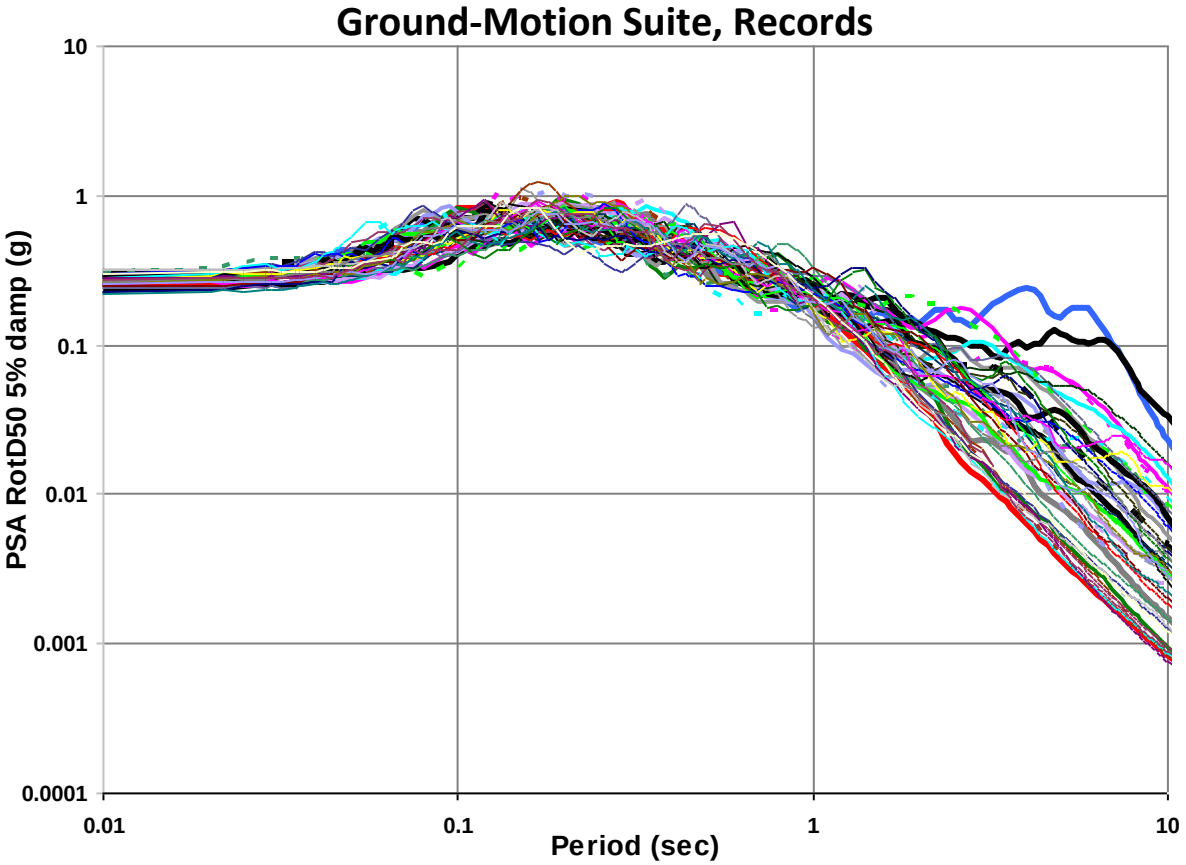
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
212	Livermore-01 Del Valle Dam (Toe) 1980	5.8	24	403.37	strike slip	3.2	1.13	RSN212_LIVERMOR_A-DVD156.AT2 RSN212_LIVERMOR_A-DVD246.AT2 RSN212_LIVERMOR_A-DVD-UP.AT2
246	Mammoth Lakes-06 Benton 1980	5.94	42	370.94	strike slip	3.6	1.38	RSN246_MAMMOTH.L_L-BEN270.AT RSN246_MAMMOTH.L_L-BEN360.AT RSN246_MAMMOTH.L_L-BEN-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.16	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
357	Coalinga-01 Parkfield - Stone Corral 3E 1983	6.36	33	565.08	Reverse	5.1	1.61	RSN357_COALINGA.H_H-SC3000.AT2 RSN357_COALINGA.H_H-SC3090.AT2 RSN357_COALINGA.H_H-SC3-UP.AT2
543	Chalfant Valley-01 Benton 1986	5.77	24	370.94	strike slip	5.3	3.47	RSN543_CHALFANT.B_B-BEN270.AT2 RSN543_CHALFANT.B_B-BEN360.AT2 RSN543_CHALFANT.B_B-BEN-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	0.89	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	2.83	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
554	Chalfant Valley-02 Long Valley Dam (L Abut) 1986	6.19	18	537.16	strike slip	6.4	2.08	RSN554_CHALFANT.A_A-LVL000.AT2 RSN554_CHALFANT.A_A-LVL090.AT2 RSN554_CHALFANT.A_A-LVL-UP.AT2
697	Whittier Narrows-01 Sunland - Mt Gleason Ave 1987	5.99	25	402.16	Reverse O	4.8	2.46	RSN697_WHITTIER.A_A-GLE180.AT2 RSN697_WHITTIER.A_A-GLE270.AT2 RSN697_WHITTIER.A_A-GLE-UP.AT2
698	Whittier Narrows-01 Sylmar - Olive View Med FF 1987	5.99	39	440.54	Reverse O	6.3	3.09	RSN698_WHITTIER.A_A-SYL000.AT2 RSN698_WHITTIER.A_A-SYL090.AT2 RSN698_WHITTIER.A_A-SYL-UP.AT2
774	Loma Prieta Hayward City Hall - North 1989	6.93	55	735.44	Reverse O	7.1	3.17	RSN774_LOMAP_HYN064.AT2 RSN774_LOMAP_HYN334.AT2 RSN774_LOMAP_HYN-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	3.29	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2

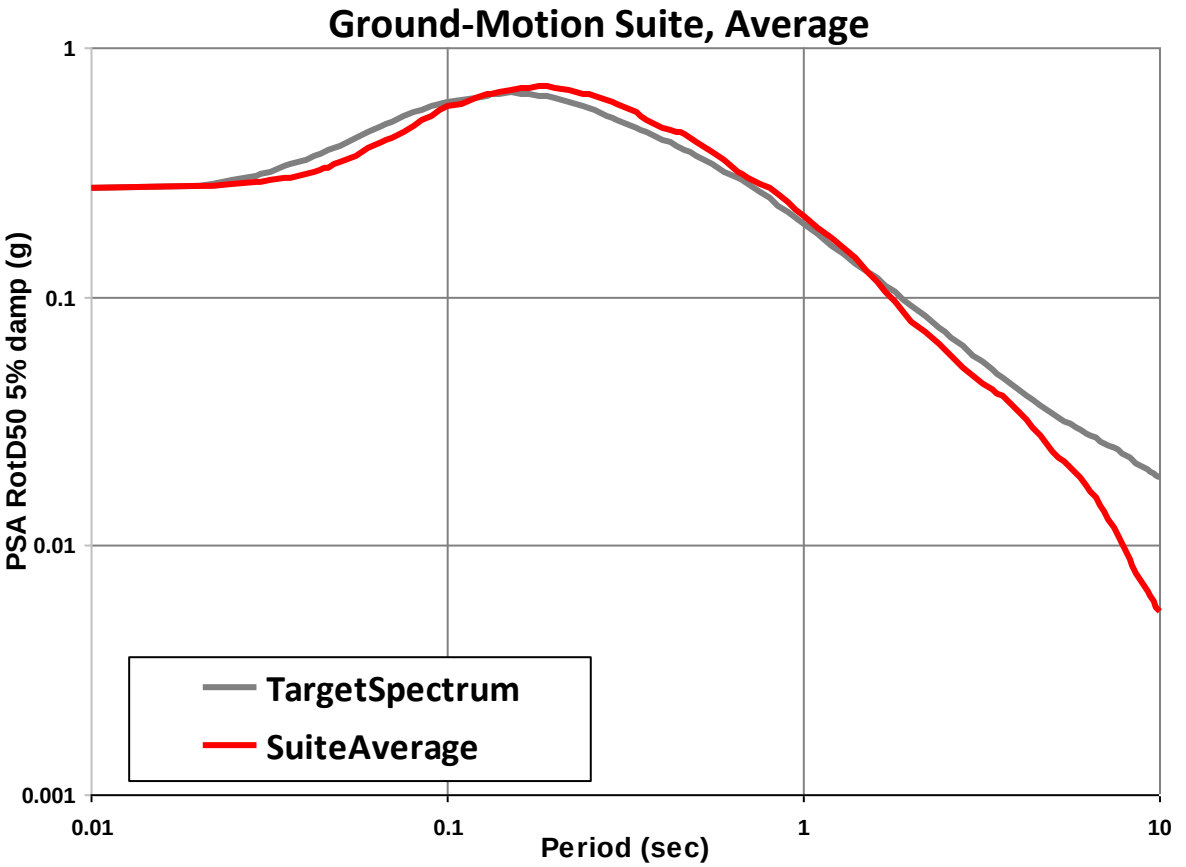
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	1.98	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	2.47	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.12	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2743	Chi-Chi, Taiwan-04 CHY087 1999	6.2	38	505.2	strike slip	6.8	2.31	RSN2743_CHICHI.04_CHY087N.AT2 RSN2743_CHICHI.04_CHY087E.AT2 RSN2743_CHICHI.04_CHY087V.AT2
2935	Chi-Chi, Taiwan-04 TTN051 1999	6.2	38	665.2	strike slip	5.7	2.54	RSN2935_CHICHI.04_TTN051N.AT2 RSN2935_CHICHI.04_TTN051E.AT2 RSN2935_CHICHI.04_TTN051V.AT2
2940	Chi-Chi, Taiwan-05 CHY019 1999	6.2	84	497.53	Reverse	7.3	2.99	RSN2940_CHICHI.05_CHY019N.AT2 RSN2940_CHICHI.05_CHY019W.AT2 RSN2940_CHICHI.05_CHY019V.AT2
2946	Chi-Chi, Taiwan-05 CHY029 1999	6.2	54	544.74	Reverse	6.7	2.31	RSN2946_CHICHI.05_CHY029N.AT2 RSN2946_CHICHI.05_CHY029E.AT2 RSN2946_CHICHI.05_CHY029V.AT2
2997	Chi-Chi, Taiwan-05 HWA005 1999	6.2	33	459.32	Reverse	7.7	2.08	RSN2997_CHICHI.05_HWA005N.AT2 RSN2997_CHICHI.05_HWA005W.AT2 RSN2997_CHICHI.05_HWA005V.AT2
3017	Chi-Chi, Taiwan-05 HWA030 1999	6.2	35	592.18	Reverse	8.4	3.58	RSN3017_CHICHI.05_HWA030N.AT2 RSN3017_CHICHI.05_HWA030E.AT2 RSN3017_CHICHI.05_HWA030V.AT2
3035	Chi-Chi, Taiwan-05 HWA051 1999	6.2	47	440.5	Reverse	9.5	2.71	RSN3035_CHICHI.05_HWA051N.AT2 RSN3035_CHICHI.05_HWA051W.AT2 RSN3035_CHICHI.05_HWA051V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	3.5	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	2.72	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3201	Chi-Chi, Taiwan-05 TCU101 1999	6.2	50	389.41	Reverse	9.3	3.61	RSN3201_CHICHI.05_TCU101N.AT2 RSN3201_CHICHI.05_TCU101E.AT2 RSN3201_CHICHI.05_TCU101V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
3202	Chi-Chi, Taiwan-05 TCU102 1999	6.2	50	714.27	Reverse	10.6	3.5	RSN3202_CHICHI.05_TCU102N.AT2 RSN3202_CHICHI.05_TCU102E.AT2 RSN3202_CHICHI.05_TCU102V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	2.05	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.4	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	2.16	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	1.94	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
4328	Potenza, Italy Brienza 1990	5.8	26	561.04	strike slip	2.5	2.32	RSN4328_POTENZA.P_A-BRZ000.AT2 RSN4328_POTENZA.P_A-BRZ270.AT2 RSN4328_POTENZA.P_A-BRZ-UP.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	2	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4331	Sicilia-Orientale, Italy Sortino 1990	5.6	27	412.59	strike slip	4	2.24	RSN4331_SICORIEN.P_SRT000.AT2 RSN4331_SICORIEN.P_SRT270.AT2 RSN4331_SICORIEN.P_SRT-UP.AT2
4351	Umbria Marche, Italy Matelica 1997	6	23	437	Normal	3.3	1.79	RSN4351_UBMARCHE.P_A-MTL000.A RSN4351_UBMARCHE.P_A-MTL270.A RSN4351_UBMARCHE.P_A-MTL-DN.A
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	3.5	RSN4380_UBMARCHE.P_I-NRC000.A RSN4380_UBMARCHE.P_I-NRC270.A RSN4380_UBMARCHE.P_I-NRC-DN.A
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	2.62	RSN4384_UBMARCHE.P_J-CSC000.A RSN4384_UBMARCHE.P_J-CSC270.A RSN4384_UBMARCHE.P_J-CSCDWN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	3.37	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.01	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.38	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	3.14	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	1.59	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	2.04	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	1.42	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	1.16	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	1.56	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.96	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8827	14383980 Padua 2008	5.39	22	388.68	Reverse O	1.5	2.91	RSN8827_14383980_CIPDUHNN.AT2 RSN8827_14383980_CIPDUHNE.AT2 RSN8827_14383980_CIPDUHNZ.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	3.57	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2

Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	**02 Sacramento**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**

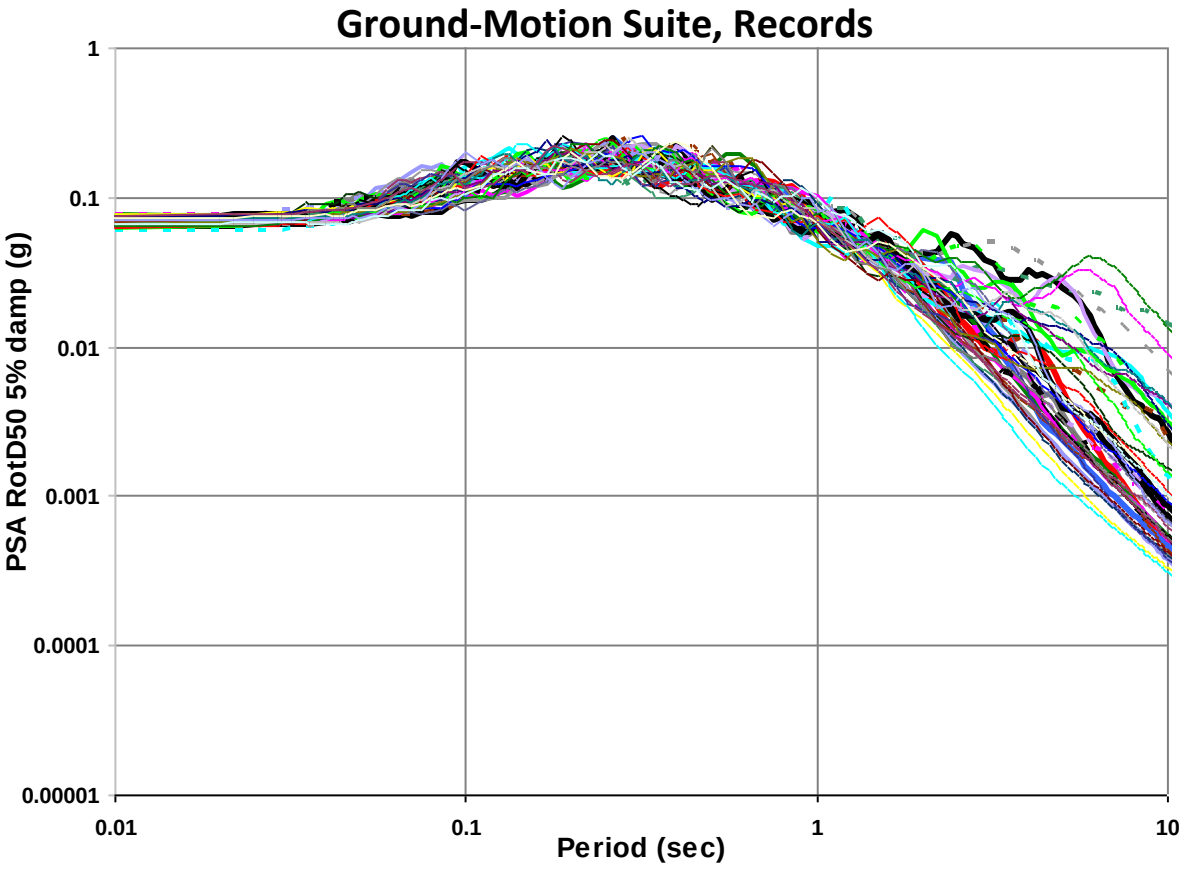
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
212	Livermore-01 Del Valle Dam (Toe) 1980	5.8	24	403.37	strike slip	3.2	1.63	RSN212_LIVERMOR_A-DVD156.AT2 RSN212_LIVERMOR_A-DVD246.AT2 RSN212_LIVERMOR_A-DVD-UP.AT2
246	Mammoth Lakes-06 Benton 1980	5.94	42	370.94	strike slip	3.6	2	RSN246_MAMMOTH.L_L-BEN270.AT RSN246_MAMMOTH.L_L-BEN360.AT RSN246_MAMMOTH.L_L-BEN-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	3.12	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
357	Coalinga-01 Parkfield - Stone Corral 3E 1983	6.36	33	565.08	Reverse	5.1	2.33	RSN357_COALINGA.H_H-SC3000.AT2 RSN357_COALINGA.H_H-SC3090.AT2 RSN357_COALINGA.H_H-SC3-UP.AT2
516	N. Palm Springs Cranston Forest Station 1986	6.06	27	425.17	Reverse O	4.4	1.78	RSN516_PALMSPR_CFR225.AT2 RSN516_PALMSPR_CFR315.AT2 RSN516_PALMSPR_CFR-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	1.28	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
553	Chalfant Valley-02 Long Valley Dam (Downst) 1986	6.19	18	537.16	strike slip	6	3.53	RSN553_CHALFANT.A_A-LVD000.AT2 RSN553_CHALFANT.A_A-LVD090.AT2 RSN553_CHALFANT.A_A-LVD-UP.AT2
554	Chalfant Valley-02 Long Valley Dam (L Abut) 1986	6.19	18	537.16	strike slip	6.4	3.02	RSN554_CHALFANT.A_A-LVL000.AT2 RSN554_CHALFANT.A_A-LVL090.AT2 RSN554_CHALFANT.A_A-LVL-UP.AT2
671	Whittier Narrows-01 Pacoima Kagel Canyon 1987	5.99	32	508.08	Reverse O	4	2.01	RSN671_WHITTIER.A_A-PKC000.AT2 RSN671_WHITTIER.A_A-PKC090.AT2 RSN671_WHITTIER.A_A-PKC-UP.AT2
697	Whittier Narrows-01 Sunland - Mt Gleason Ave 1987	5.99	25	402.16	Reverse O	4.8	3.57	RSN697_WHITTIER.A_A-GLE180.AT2 RSN697_WHITTIER.A_A-GLE270.AT2 RSN697_WHITTIER.A_A-GLE-UP.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	2.86	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	2.08	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2

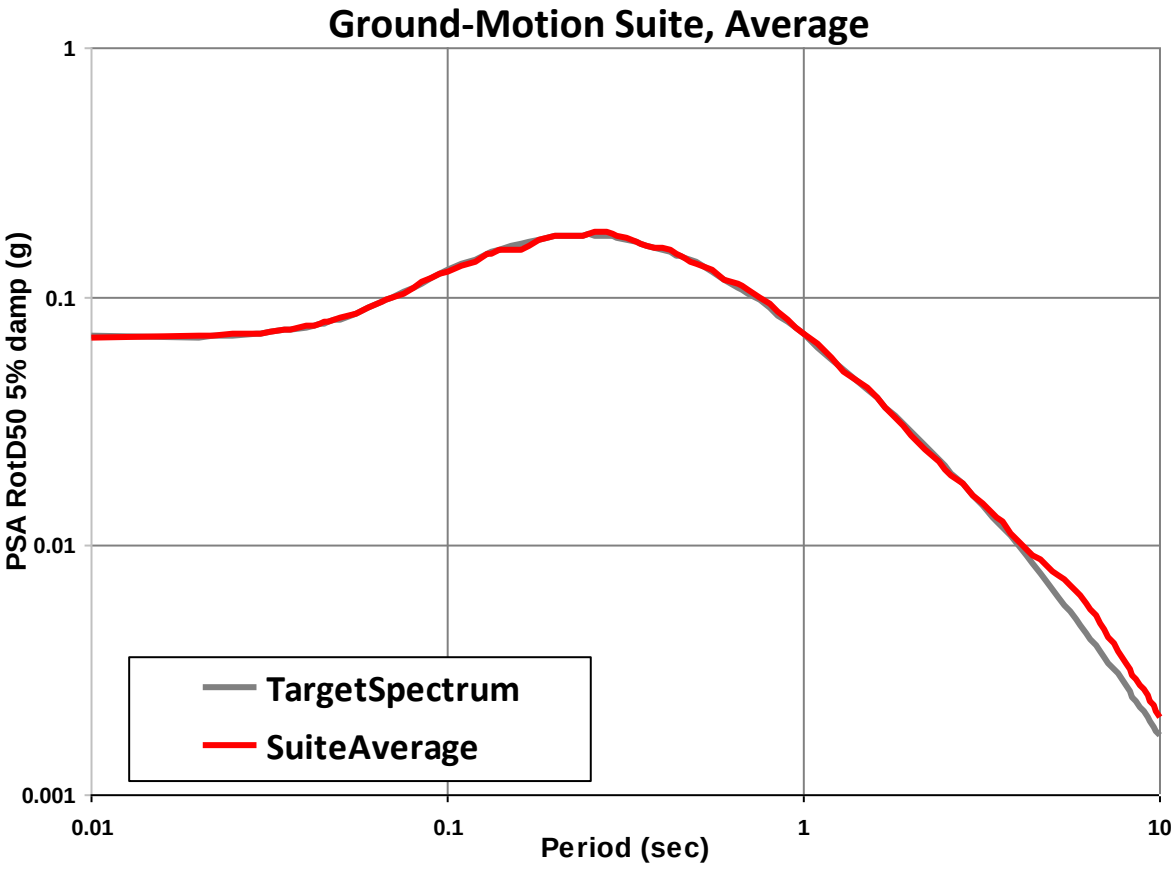
Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	3.57	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2115	Denali, Alaska TAPS Pump Station #11 2002	7.9	126	376.1	strike slip	50.1	3.2	RSN2115_DENALI_PS11-66.AT2 RSN2115_DENALI_PS11336.AT2 RSN2115_DENALI_PS11-UP.AT2
2385	Chi-Chi, Taiwan-02 TCU071 1999	5.9	20	624.85	Reverse	6	3.3	RSN2385_CHICHI.02_TCU071N.AT2 RSN2385_CHICHI.02_TCU071E.AT2 RSN2385_CHICHI.02_TCU071V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.62	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.3	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	1.86	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
2743	Chi-Chi, Taiwan-04 CHY087 1999	6.2	38	505.2	strike slip	6.8	3.35	RSN2743_CHICHI.04_CHY087N.AT2 RSN2743_CHICHI.04_CHY087E.AT2 RSN2743_CHICHI.04_CHY087V.AT2
2935	Chi-Chi, Taiwan-04 TTN051 1999	6.2	38	665.2	strike slip	5.7	3.69	RSN2935_CHICHI.04_TTN051N.AT2 RSN2935_CHICHI.04_TTN051E.AT2 RSN2935_CHICHI.04_TTN051V.AT2
2946	Chi-Chi, Taiwan-05 CHY029 1999	6.2	54	544.74	Reverse	6.7	3.35	RSN2946_CHICHI.05_CHY029N.AT2 RSN2946_CHICHI.05_CHY029E.AT2 RSN2946_CHICHI.05_CHY029V.AT2
2954	Chi-Chi, Taiwan-05 CHY046 1999	6.2	66	442.15	Reverse	9.8	2.58	RSN2954_CHICHI.05_CHY046N.AT2 RSN2954_CHICHI.05_CHY046E.AT2 RSN2954_CHICHI.05_CHY046V.AT2
2997	Chi-Chi, Taiwan-05 HWA005 1999	6.2	33	459.32	Reverse	7.7	3.01	RSN2997_CHICHI.05_HWA005N.AT2 RSN2997_CHICHI.05_HWA005W.AT2 RSN2997_CHICHI.05_HWA005V.AT2
3018	Chi-Chi, Taiwan-05 HWA031 1999	6.2	39	602.29	Reverse	7.4	3.72	RSN3018_CHICHI.05_HWA031N.AT2 RSN3018_CHICHI.05_HWA031E.AT2 RSN3018_CHICHI.05_HWA031V.AT2
3188	Chi-Chi, Taiwan-05 TCU067 1999	6.2	37	433.63	Reverse	4.4	2.75	RSN3188_CHICHI.05_TCU067N.AT2 RSN3188_CHICHI.05_TCU067E.AT2 RSN3188_CHICHI.05_TCU067V.AT2

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
3207	Chi-Chi, Taiwan-05 TCU107 1999	6.2	51	409	Reverse	10	2.74	RSN3207_CHICHI.05_TCU107N.AT2 RSN3207_CHICHI.05_TCU107E.AT2 RSN3207_CHICHI.05_TCU107V.AT2
3269	Chi-Chi, Taiwan-06 CHY029 1999	6.3	40	544.74	Reverse	7.3	1.46	RSN3269_CHICHI.06_CHY029N.AT2 RSN3269_CHICHI.06_CHY029E.AT2 RSN3269_CHICHI.06_CHY029V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	2.96	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.03	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	1.92	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3507	Chi-Chi, Taiwan-06 TCU129 1999	6.3	23	511.18	Reverse	6.5	1.22	RSN3507_CHICHI.06_TCU129N.AT2 RSN3507_CHICHI.06_TCU129E.AT2 RSN3507_CHICHI.06_TCU129V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	2.02	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	3.13	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	2.81	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
4328	Potenza, Italy Brienza 1990	5.8	26	561.04	strike slip	2.5	3.36	RSN4328_POTENZA.P_A-BRZ000.AT2 RSN4328_POTENZA.P_A-BRZ270.AT2 RSN4328_POTENZA.P_A-BRZ-UP.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	2.9	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4331	Sicilia-Orientale, Italy Sortino 1990	5.6	27	412.59	strike slip	4	3.24	RSN4331_SICORIEN.P_SRT000.AT2 RSN4331_SICORIEN.P_SRT270.AT2 RSN4331_SICORIEN.P_SRT-UP.AT2
4351	Umbria Marche, Italy Matelica 1997	6	23	437	Normal	3.3	2.6	RSN4351_UBMARCHE.P_A-MTL000.A RSN4351_UBMARCHE.P_A-MTL270.A RSN4351_UBMARCHE.P_A-MTL-DN.A

Site	02 Sacramento							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	3.8	RSN4384_UBMARCHE.P_J-CSC000.AT RSN4384_UBMARCHE.P_J-CSC270.AT RSN4384_UBMARCHE.P_J-CSCDWN.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.46	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.45	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	2.3	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	2.96	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	2.06	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6058	Big Bear-01 Fun Valley 1992	6.46	49	388.63	strike slip	7.8	2.56	RSN6058_BIGBEAR_FRV045.AT2 RSN6058_BIGBEAR_FRV135.AT2 RSN6058_BIGBEAR_FRV-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.64	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	1.68	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	2.27	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8896	14383980 Azusa - Foothill & San Gabriel 2008	5.39	22	363.11	Reverse O	1.5	2.34	RSN8896_14383980_23178360.AT2 RSN8896_14383980_23178090.AT2 RSN8896_14383980_23178-UP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

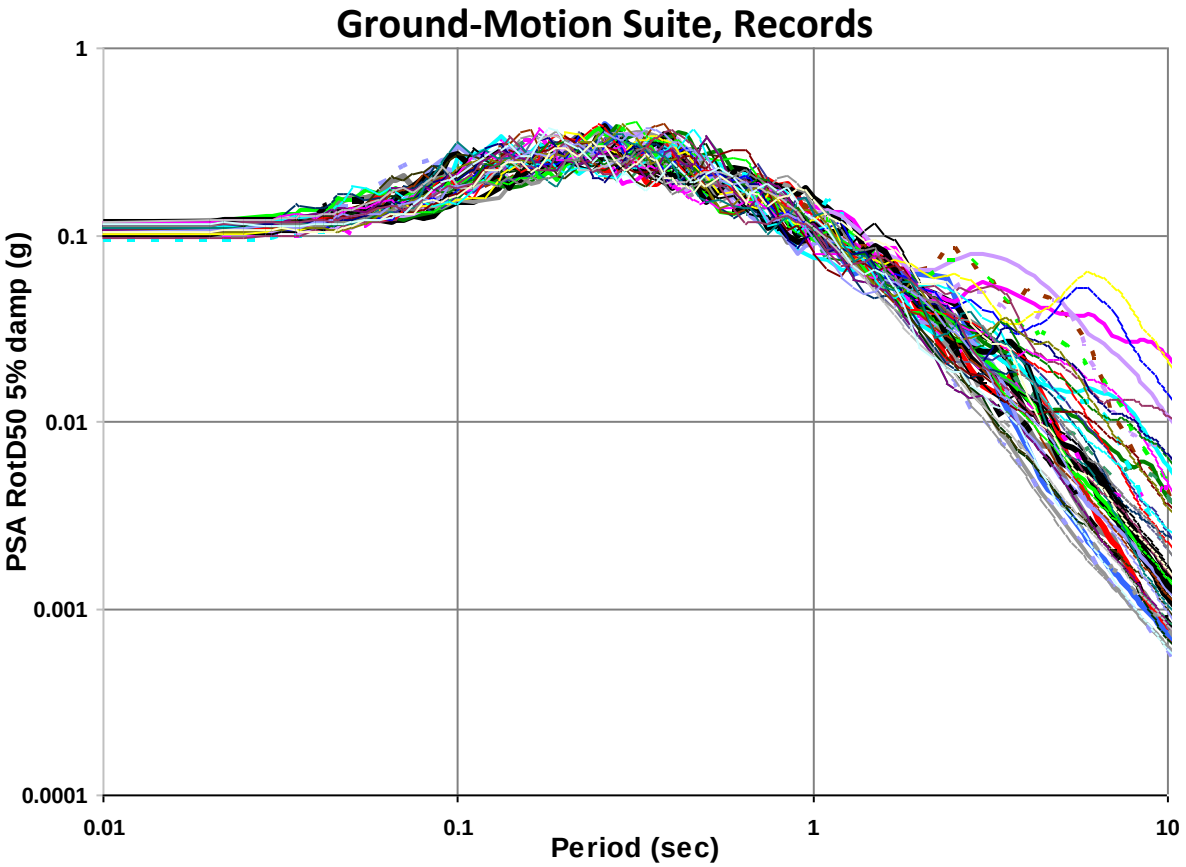
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	1.56	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	0.27	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.32	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
136	Santa Barbara Santa Barbara Courthouse 1978	5.92	0	514.99	Reverse O	2.8	0.51	RSN136_SBARB_SBA132.AT2 RSN136_SBARB_SBA222.AT2 RSN136_SBARB_SBA-UP.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	0.29	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
154	Coyote Lake San Juan Bautista, 24 Polk St 1979	5.74	19	335.5	strike slip	6.1	0.76	RSN154_COYOTELK_SJB213.AT2 RSN154_COYOTELK_SJB303.AT2 RSN154_COYOTELK_SJB-UP.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.3	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.35	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.27	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	0.78	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.41	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.93	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A

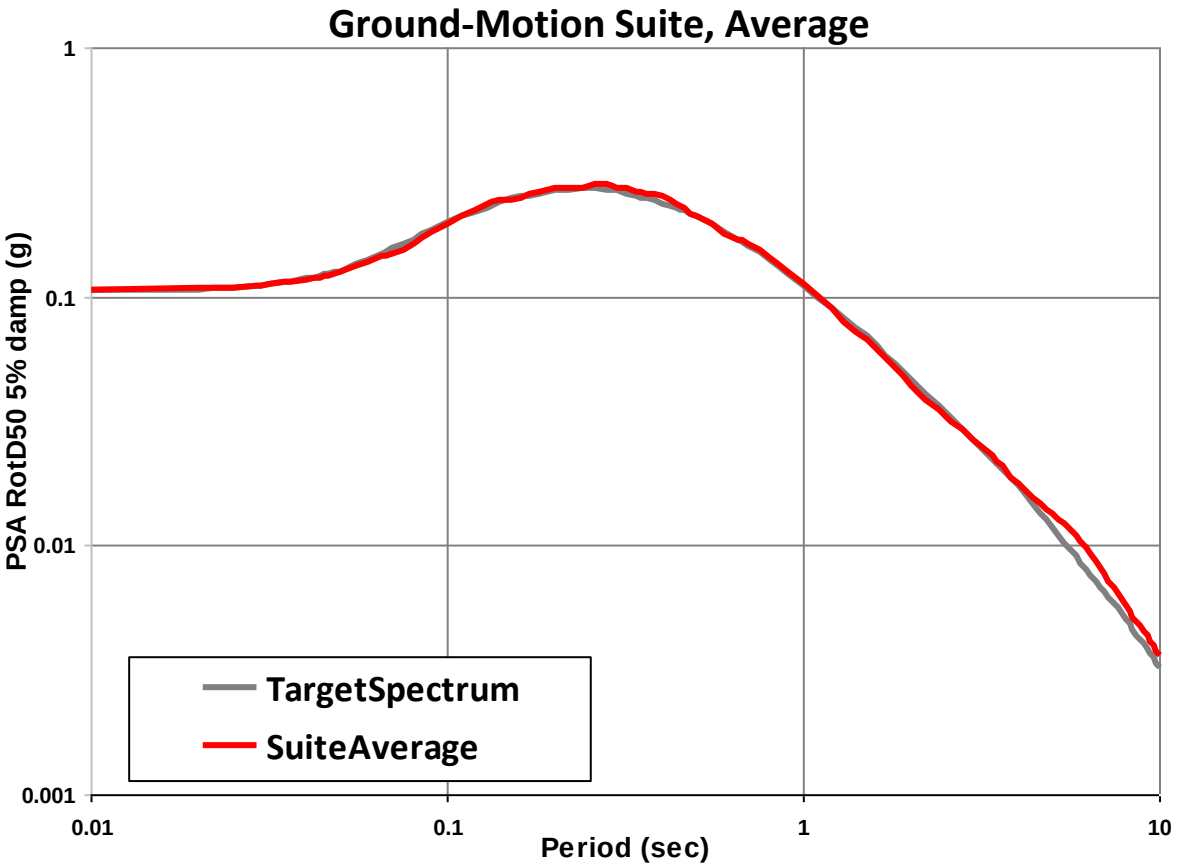
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.1	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
298	Irpinia, Italy-02 Bovino 1980	6.2	44	356.39	Normal	9.6	2.28	RSN298_ITALY_B-BOV000.AT2 RSN298_ITALY_B-BOV270.AT2 RSN298_ITALY_B-BOV-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.28	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	0.41	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	0.64	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.33	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.26	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
634	Whittier Narrows-01 LA - Fletcher Dr 1987	5.99	11	329.06	Reverse O	2.8	0.33	RSN634_WHITTIER.A_A-FLE144.AT2 RSN634_WHITTIER.A_A-FLE234.AT2 RSN634_WHITTIER.A_A-FLE-UP.AT2
674	Whittier Narrows-01 Pasadena - Brown Gym 1987	5.99	4	341.14	Reverse O	3.3	0.47	RSN674_WHITTIER.A_A-BRG180.AT2 RSN674_WHITTIER.A_A-BRG270.AT2 RSN674_WHITTIER.A_A-BRG-UP.AT2
739	Loma Prieta Anderson Dam (Downstream) 1989	6.93	20	488.77	Reverse O	5.2	0.28	RSN739_LOMAP_AND250.AT2 RSN739_LOMAP_AND340.AT2 RSN739_LOMAP_AND-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.47	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	0.54	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.28	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.62	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.4	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	0.63	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.31	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.43	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.34	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.25	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.53	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	2.55	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.36	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.56	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3710	Whittier Narrows-02 LA - E Vernon Ave 1987	5.27	12	283.14	Reverse O	4.7	0.69	RSN3710_WHITTIER.B_B-VER083.AT2 RSN3710_WHITTIER.B_B-VER173.AT2 RSN3710_WHITTIER.B_B-VER-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.41	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.26	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.28	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.26	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.34	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4440	Friuli (aftershock 13), Italy Buia 1976	5.9	-999	310.68	Reverse	4.6	0.77	RSN4440_FRIULI.P1_Z-BUI-NS.AT2 RSN4440_FRIULI.P1_Z-BUI-WE.AT2 RSN4440_FRIULI.P1_Z-BUI-VT.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.36	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.26	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.44	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	0.77	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.26	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.57	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.72	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

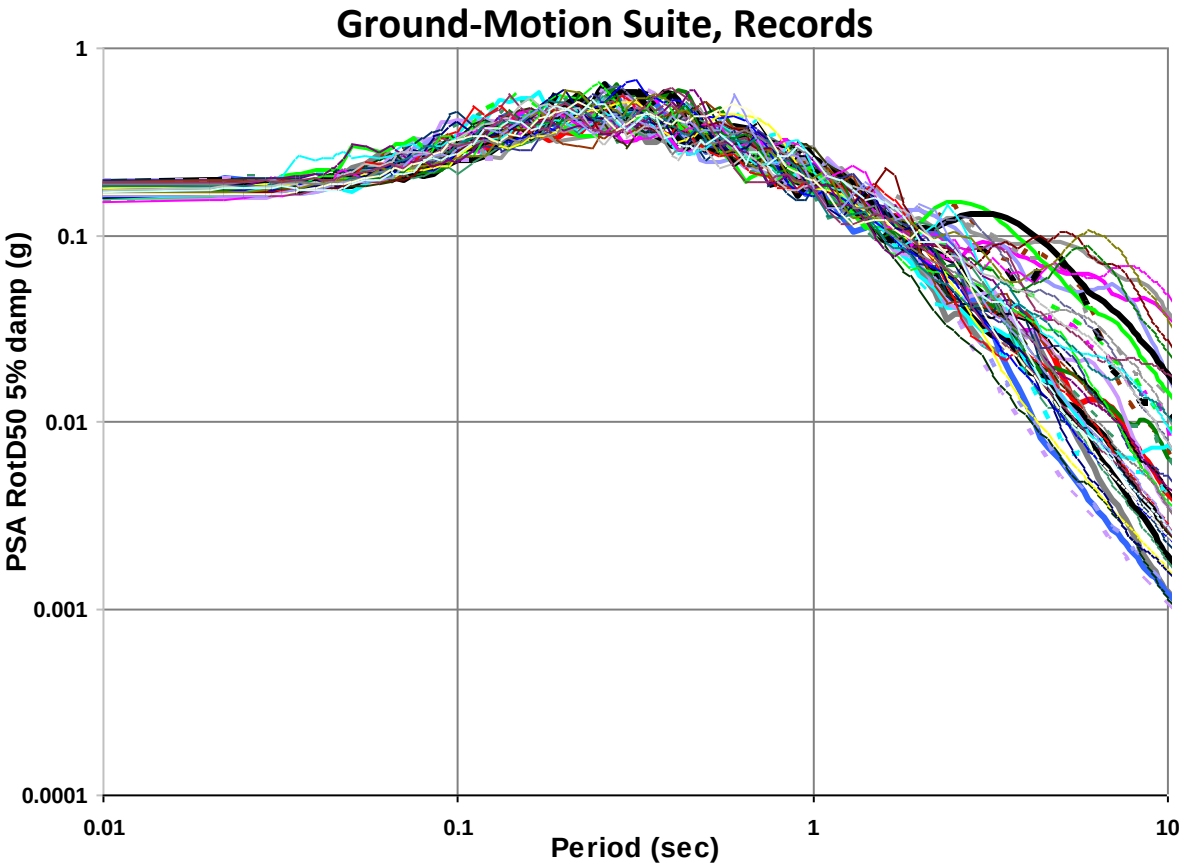
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	2.44	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.3	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.5	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.32	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.47	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.54	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.42	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	1.22	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.65	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.45	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.71	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
298	Irpinia, Italy-02 Bovino 1980	6.2	44	356.39	Normal	9.6	3.56	RSN298_ITALY_B-BOV000.AT2 RSN298_ITALY_B-BOV270.AT2 RSN298_ITALY_B-BOV-UP.AT2

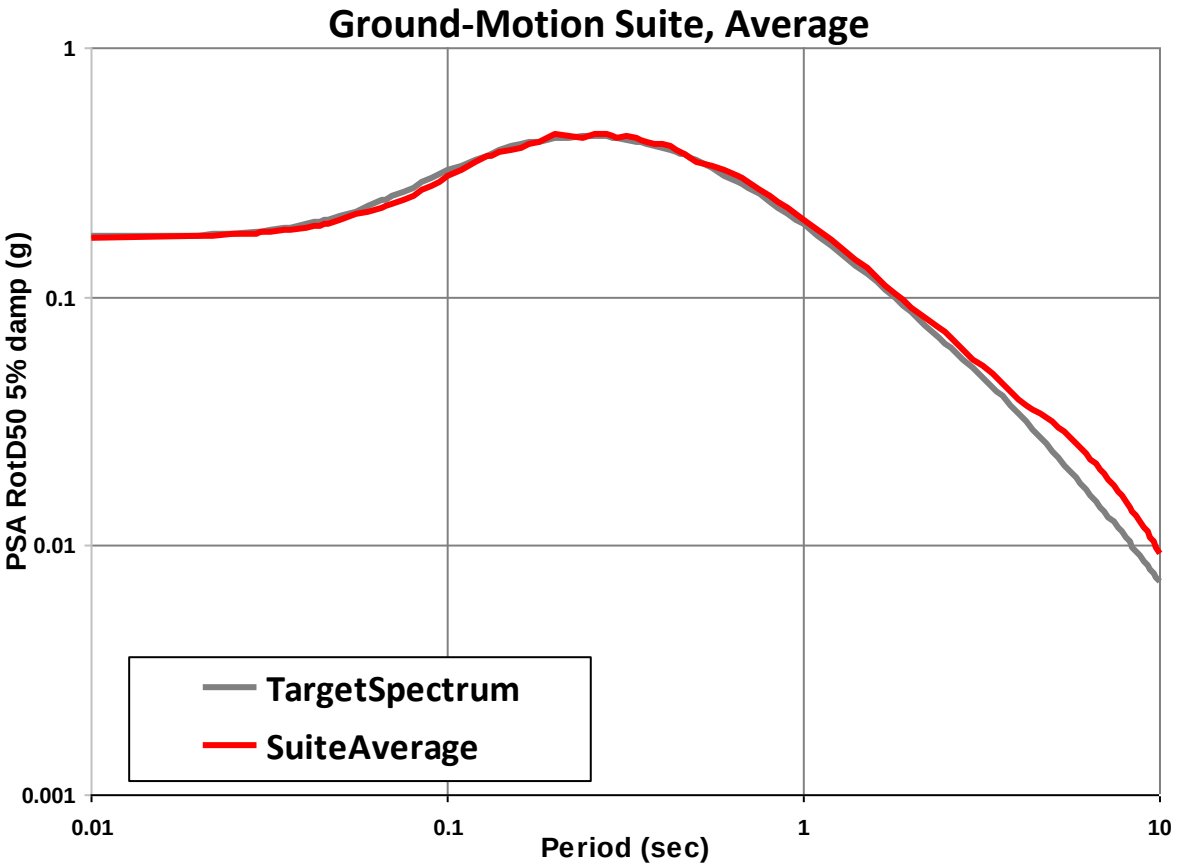
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.01	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.51	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.4	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
739	Loma Prieta Anderson Dam (Downstream) 1989	6.93	20	488.77	Reverse O	5.2	0.44	RSN739_LOMAP_AND250.AT2 RSN739_LOMAP_AND340.AT2 RSN739_LOMAP_AND-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.73	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	0.84	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.34	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.44	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.34	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.97	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.62	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	0.98	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.48	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.3	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.67	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.53	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.39	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.25	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.83	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.38	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.56	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.32	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.87	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.64	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.41	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.44	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.41	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.35	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.39	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.31	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.56	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.41	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.68	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	1.2	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.41	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.89	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	1.12	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

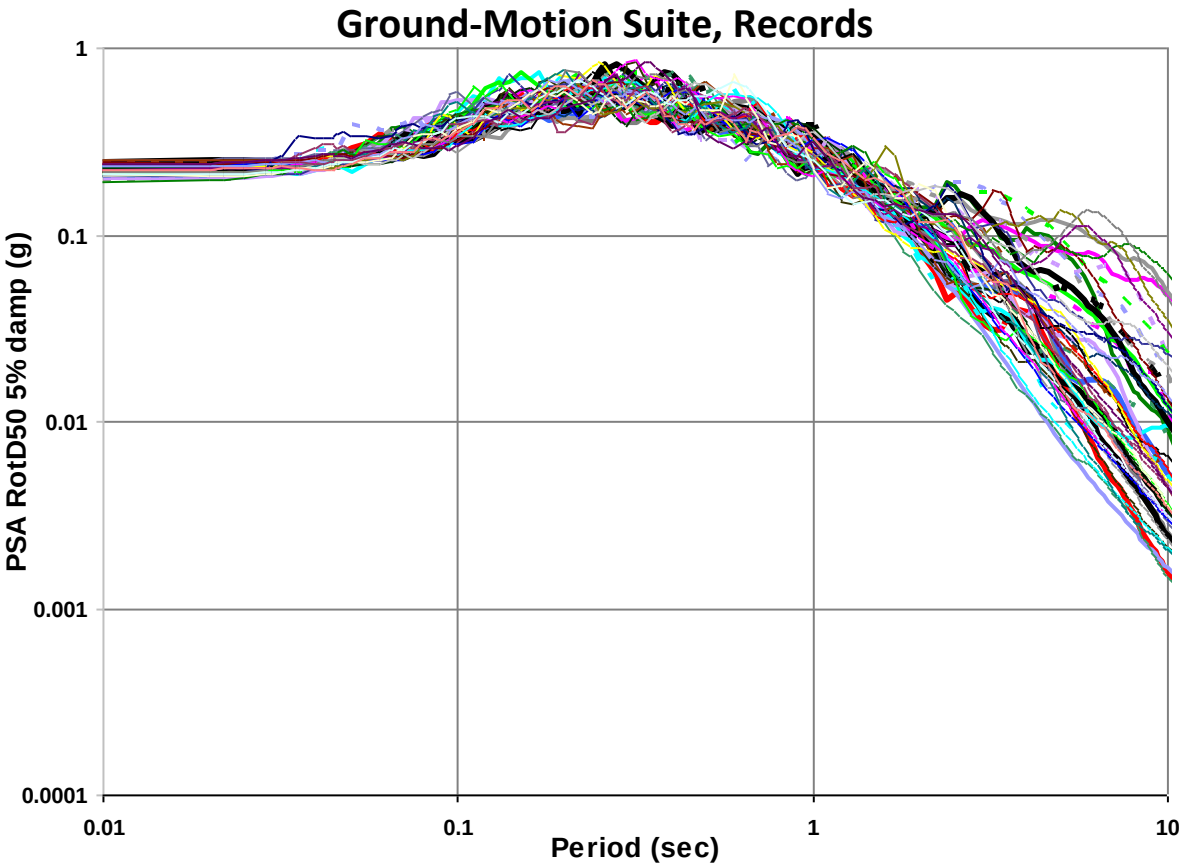
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.07	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.83	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.54	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.88	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.9	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.21	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.38	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.39	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.7	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	2.03	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	2.85	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.72	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2

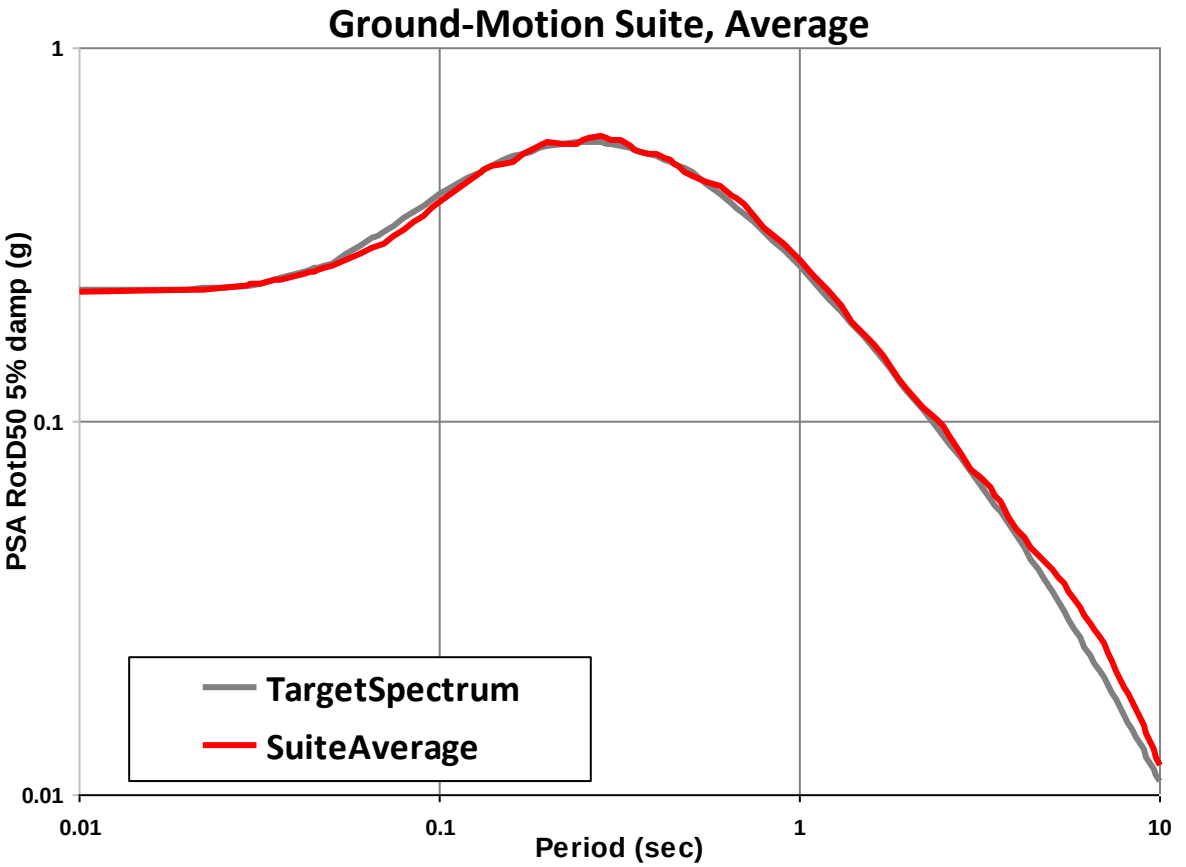
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.68	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.85	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.68	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.31	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.22	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	0.47	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.56	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.44	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.4	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.73	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.03	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.32	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.64	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.79	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.51	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.11	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.89	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.65	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.42	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.34	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.72	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.39	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.64	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.93	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.55	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.73	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.83	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	1.28	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.64	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.58	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.51	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.71	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.37	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.6	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.94	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.17	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.68	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.38	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.13	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.16	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.56	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.5	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.5	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.9	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	3.67	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.93	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.16	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.62	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.09	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.87	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.4	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.57	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.73	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.57	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.52	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.31	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.94	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	1.7	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.32	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.71	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.02	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.65	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

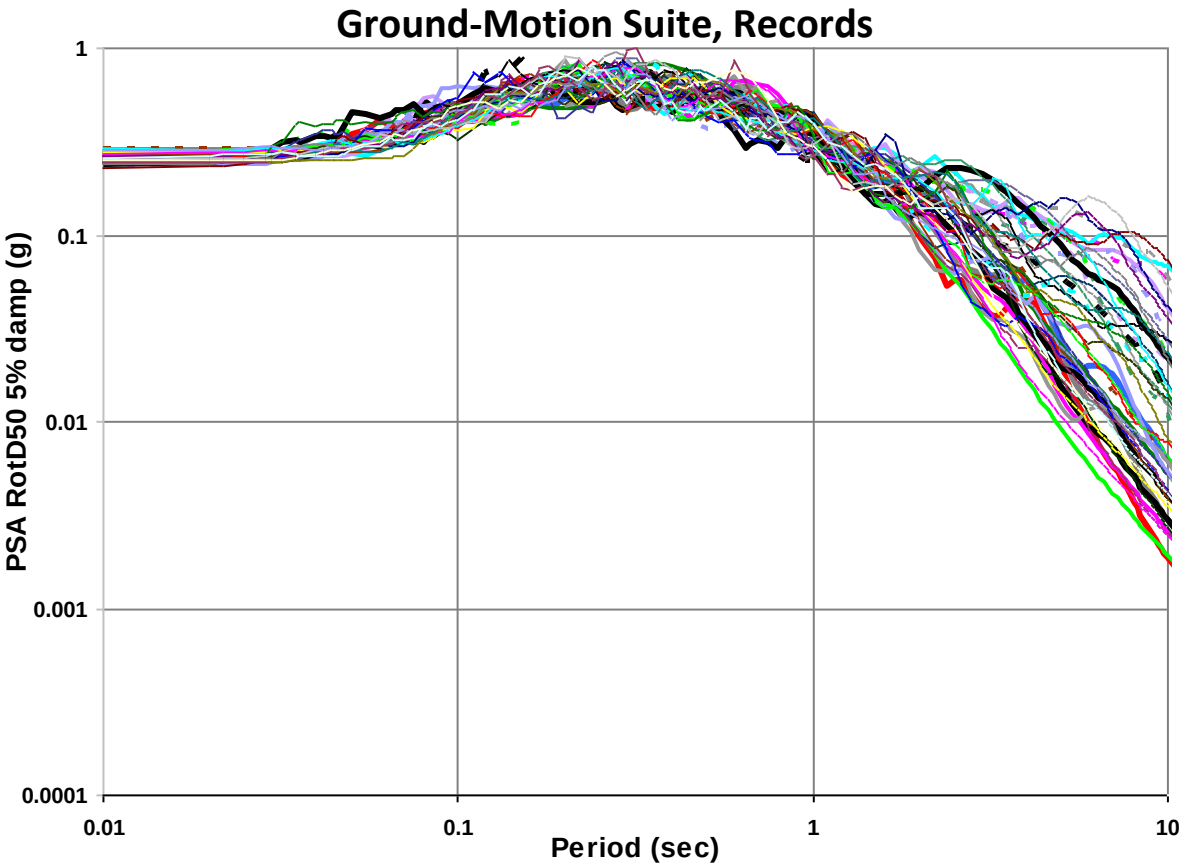
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.36	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.44	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.15	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.84	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.54	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.44	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.93	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.82	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.2	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.99	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	2.65	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.94	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.08	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2

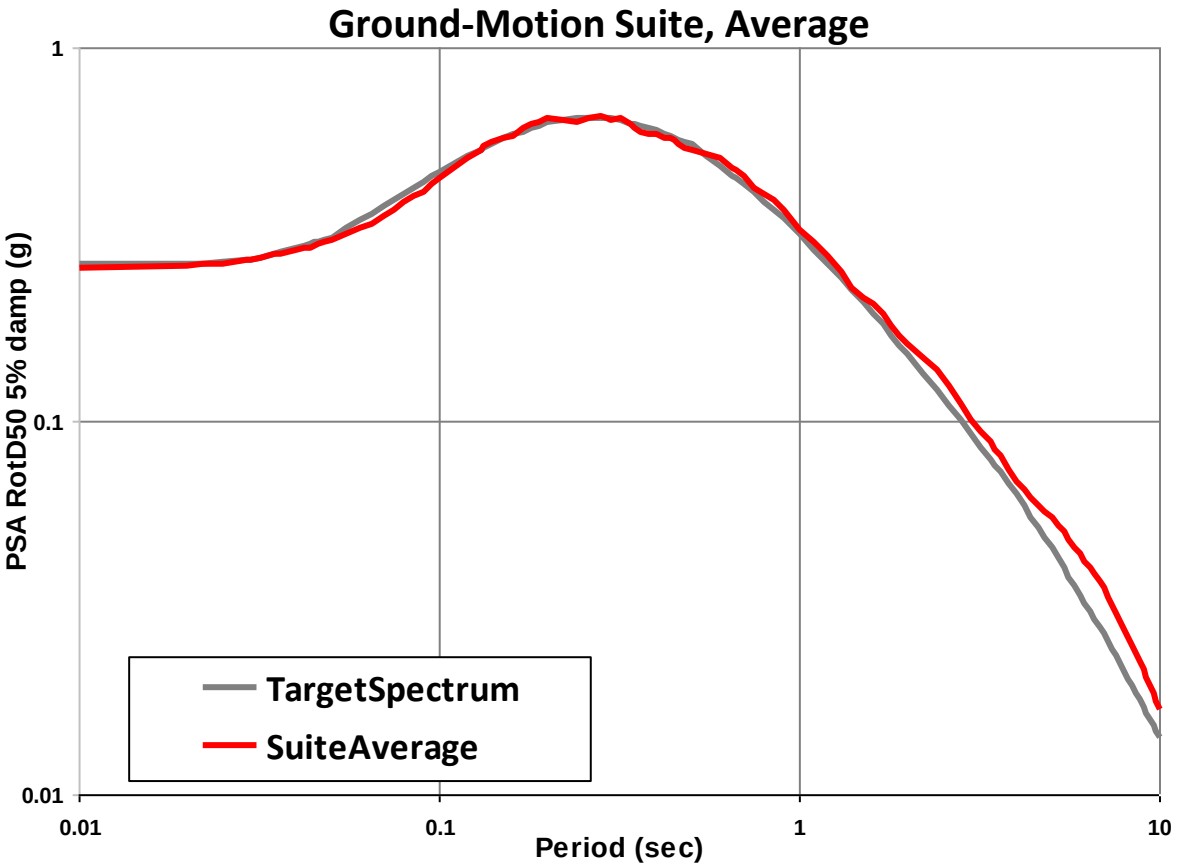
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.29	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	1.64	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.83	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.75	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.66	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	1.88	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.91	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.48	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.78	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.2	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.51	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	0.88	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.87	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

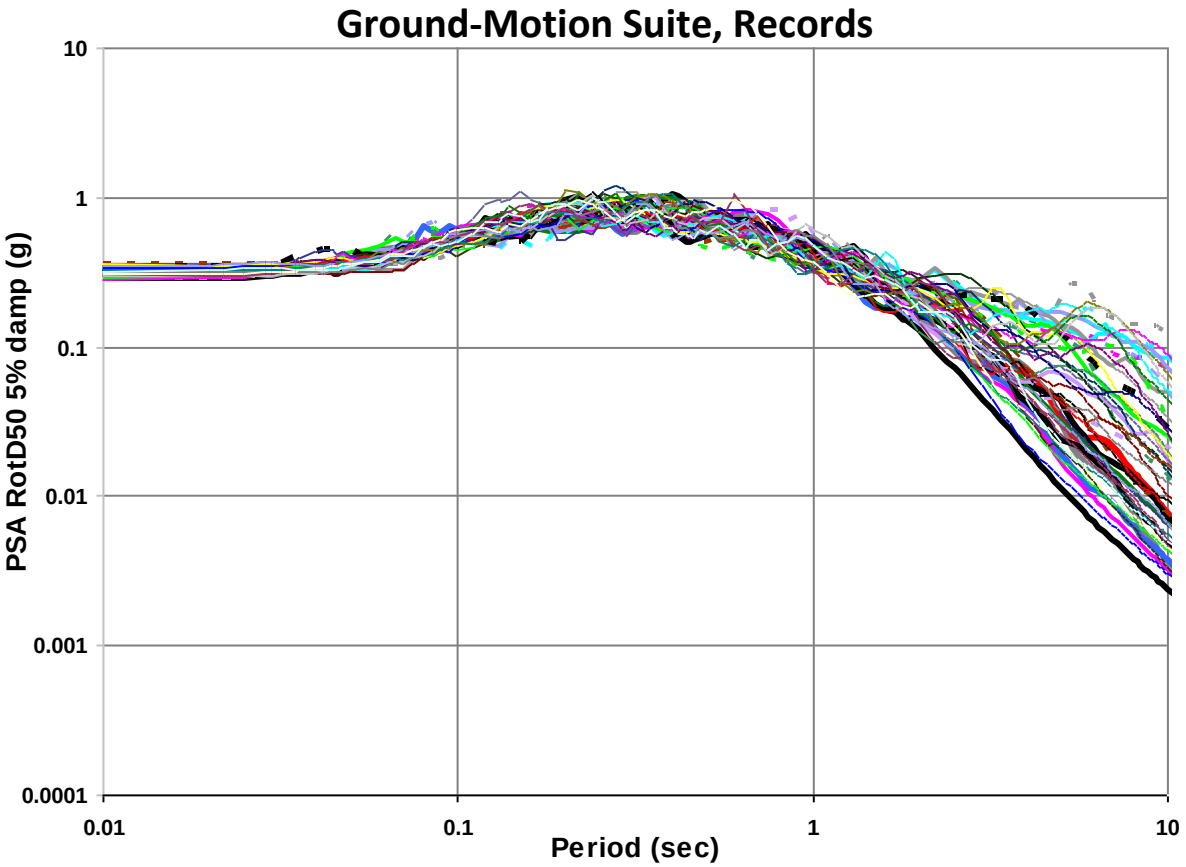
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.06	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.63	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	2.42	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.34	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.37	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.84	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.69	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.58	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.59	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.07	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	0.86	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.09	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2

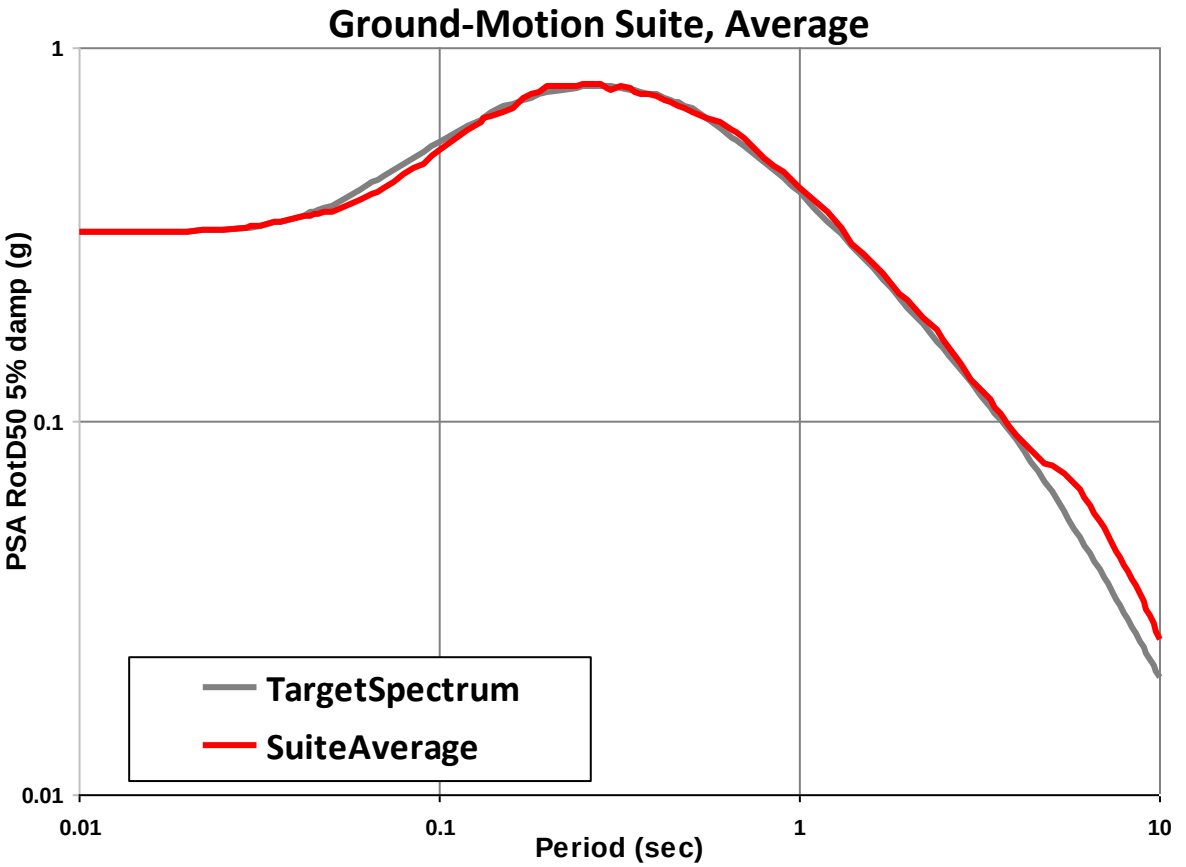
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.55	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.91	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.47	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	0.91	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.86	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.67	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.61	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.11	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.56	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.01	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1029	Northridge-01 Leona Valley #3 1994	6.69	37	499.31	Reverse	5.7	3.2	RSN1029_NORTHR_LV3000.AT2 RSN1029_NORTHR_LV3090.AT2 RSN1029_NORTHR_LV3-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.77	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.42	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.4	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.69	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.99	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.26	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.52	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.1	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.09	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.97	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.41	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.35	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	3.13	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.27	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.35	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.18	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.98	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.88	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.78	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2.22	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.07	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.56	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.92	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.42	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.03	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.03	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

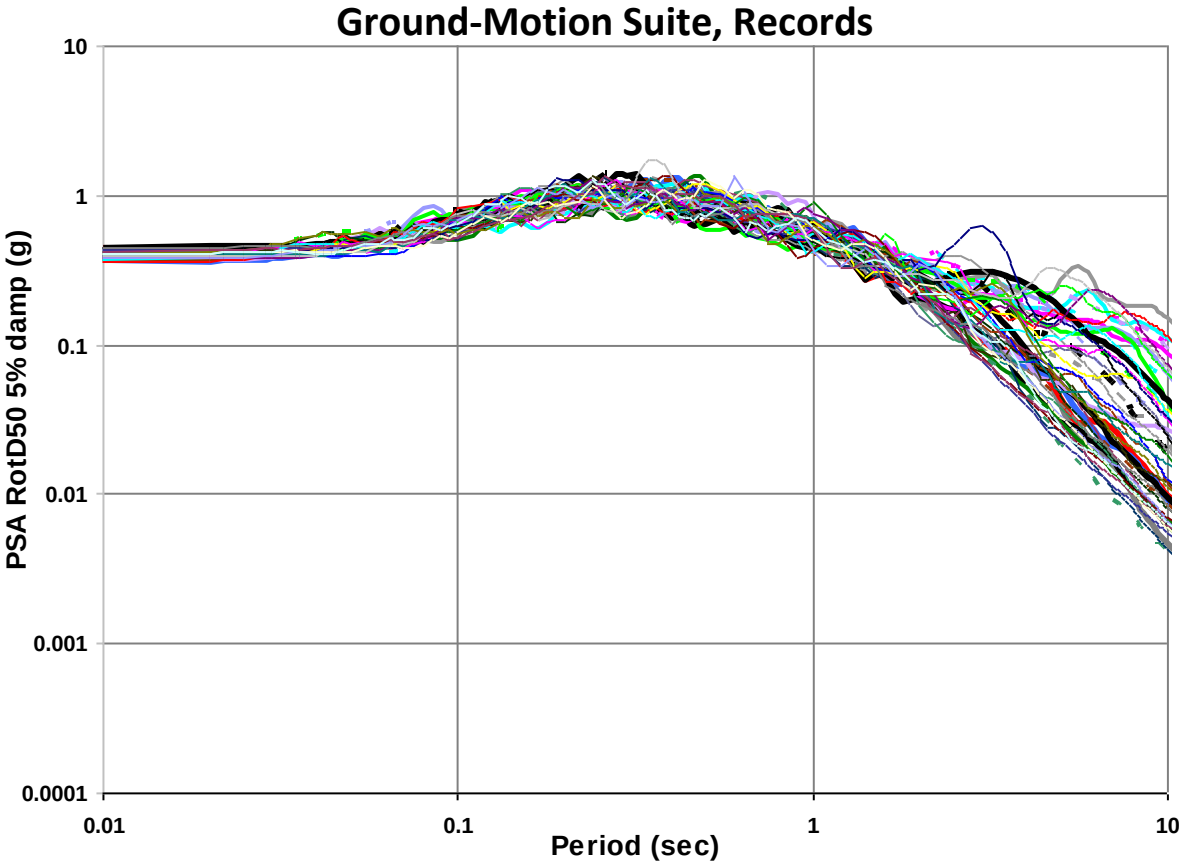
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.31	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	2.02	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	3	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.65	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.28	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.86	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.73	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.32	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.07	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.35	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.36	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.58	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2

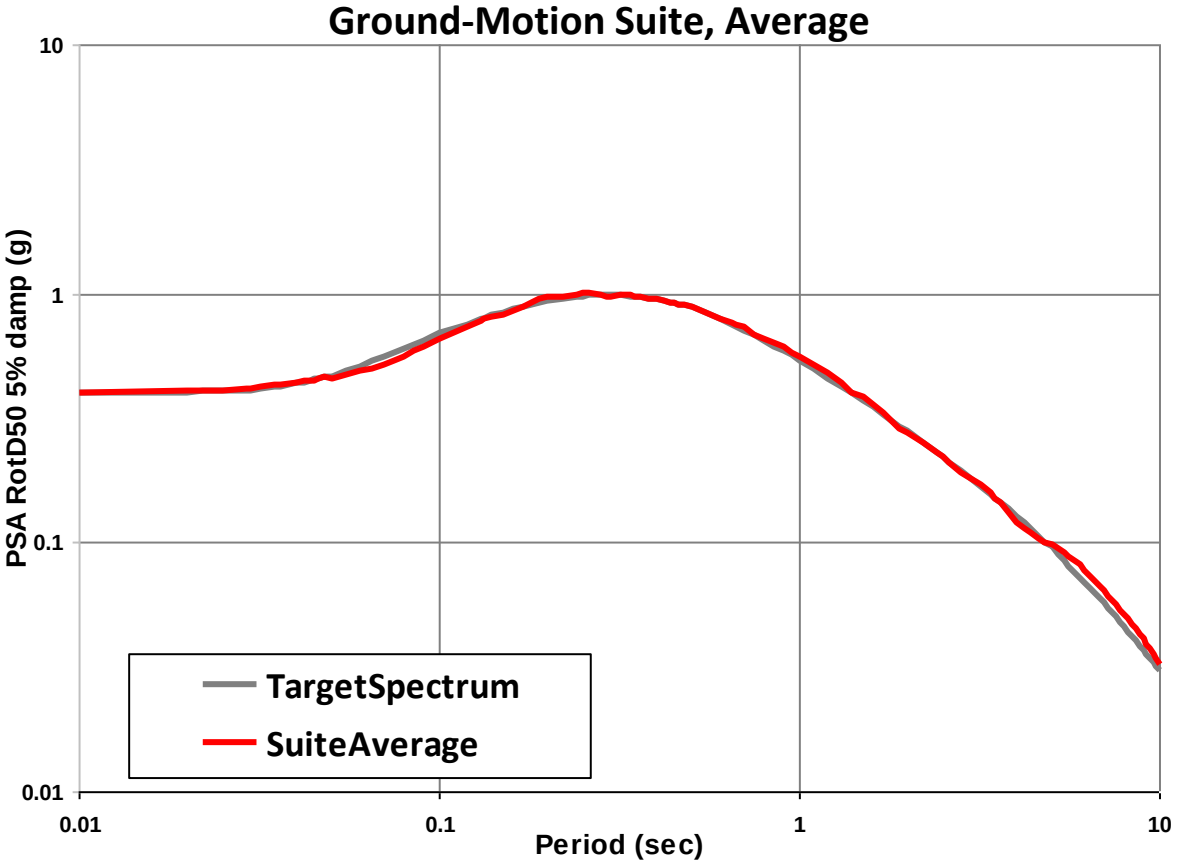
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.13	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	0.91	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	2.02	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.06	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.83	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.76	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.37	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.48	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.49	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1029	Northridge-01 Leona Valley #3 1994	6.69	37	499.31	Reverse	5.7	3.96	RSN1029_NORTHR_LV3000.AT2 RSN1029_NORTHR_LV3090.AT2 RSN1029_NORTHR_LV3-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.95	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.52	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.5	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.09	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.23	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.56	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	1.71	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	1.37	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	2.19	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	0.67	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.36	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.35	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.19	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.75	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.91	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	3.87	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.57	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.46	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.09	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.96	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2.74	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.33	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.13	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.76	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.28	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.27	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	0.9	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

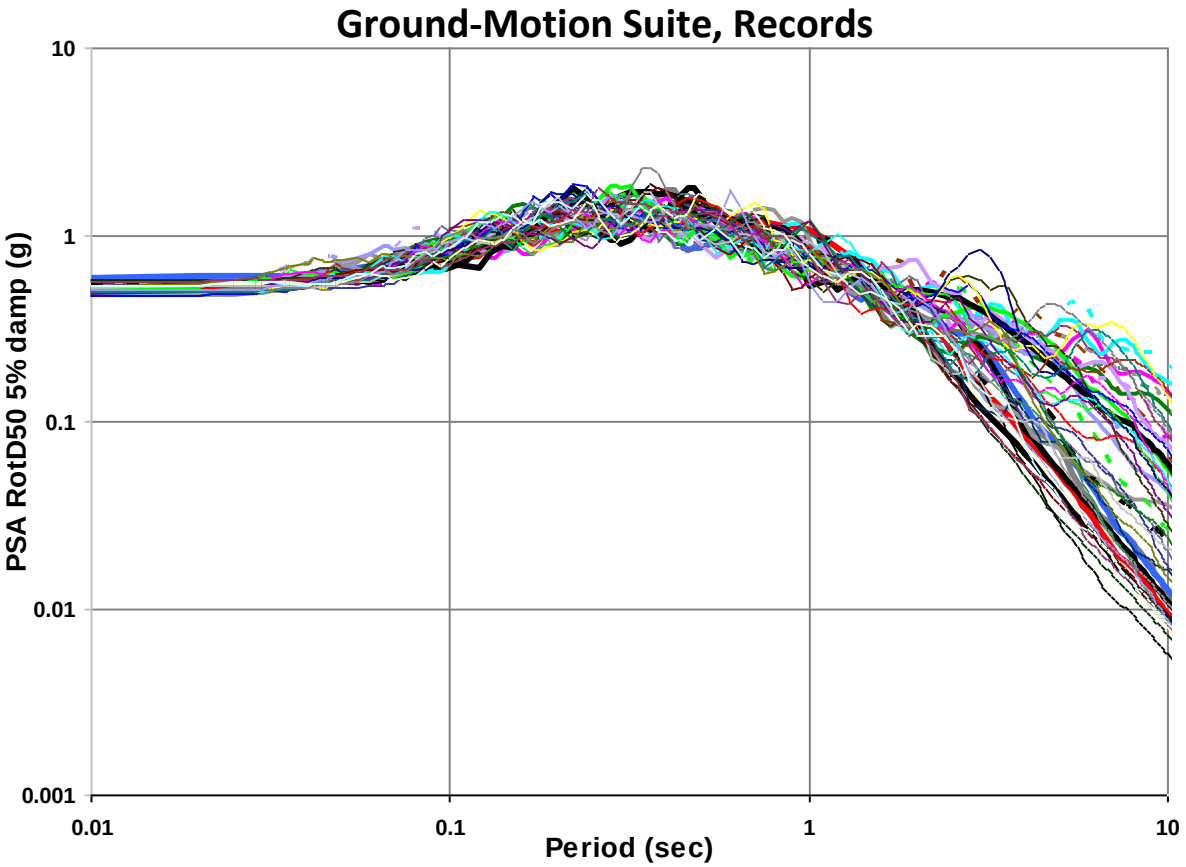
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.66	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	2.56	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	3.8	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.09	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.89	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.09	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.67	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.35	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.71	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.99	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.43	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.15	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2

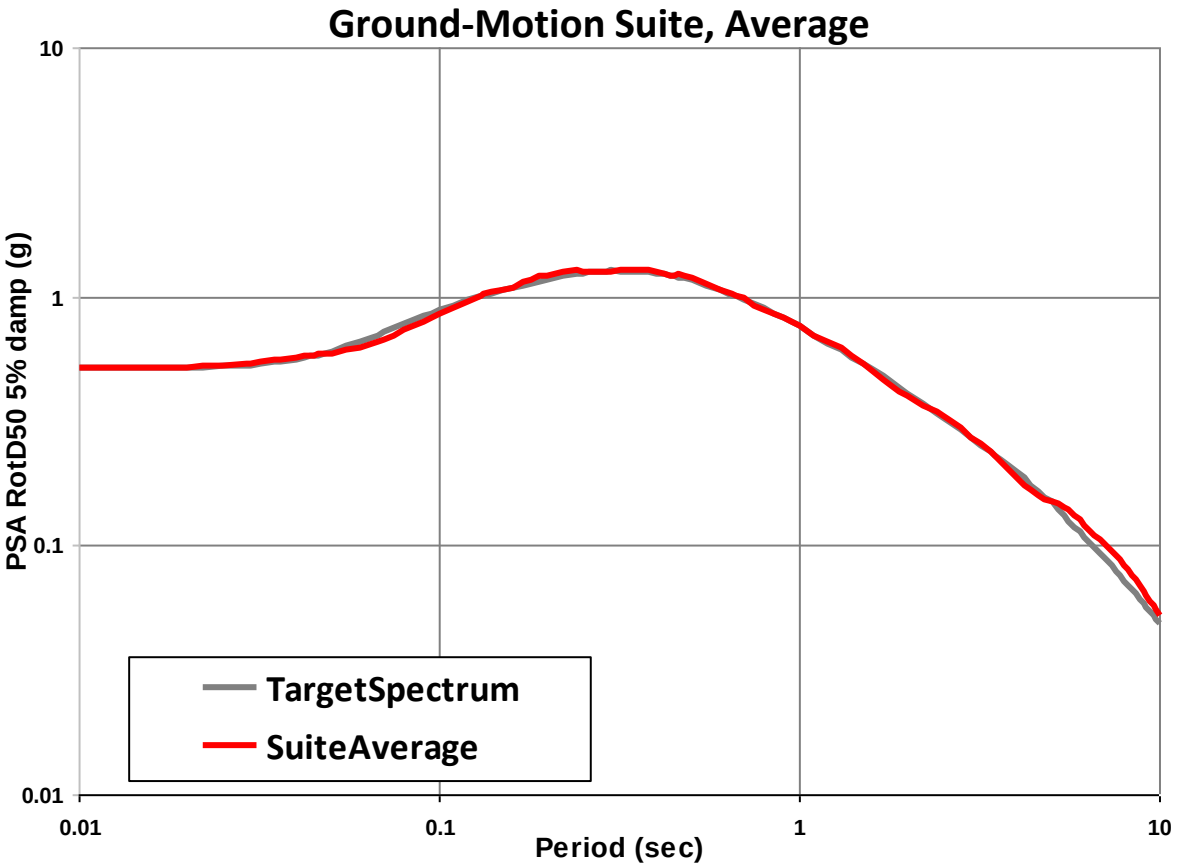
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	1.73	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	1.96	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	2.57	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.34	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.05	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.83	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	2.28	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.74	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	3.14	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	3.15	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.21	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.66	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.63	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.63	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.56	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.97	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.17	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	1.74	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	2.78	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	0.85	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.72	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.71	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.21	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	3.68	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.99	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.85	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.38	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4880	Chuetsu-oki Hinodecho Yoshida Tsubame City 2007	6.8	20	261.55	Reverse	12	3.16	RSN4880_CHUETSU_65085NS.AT2 RSN4880_CHUETSU_65085EW.AT2 RSN4880_CHUETSU_65085UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.43	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	3.48	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.68	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.44	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.62	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	0.84	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	0.85	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.14	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.43	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

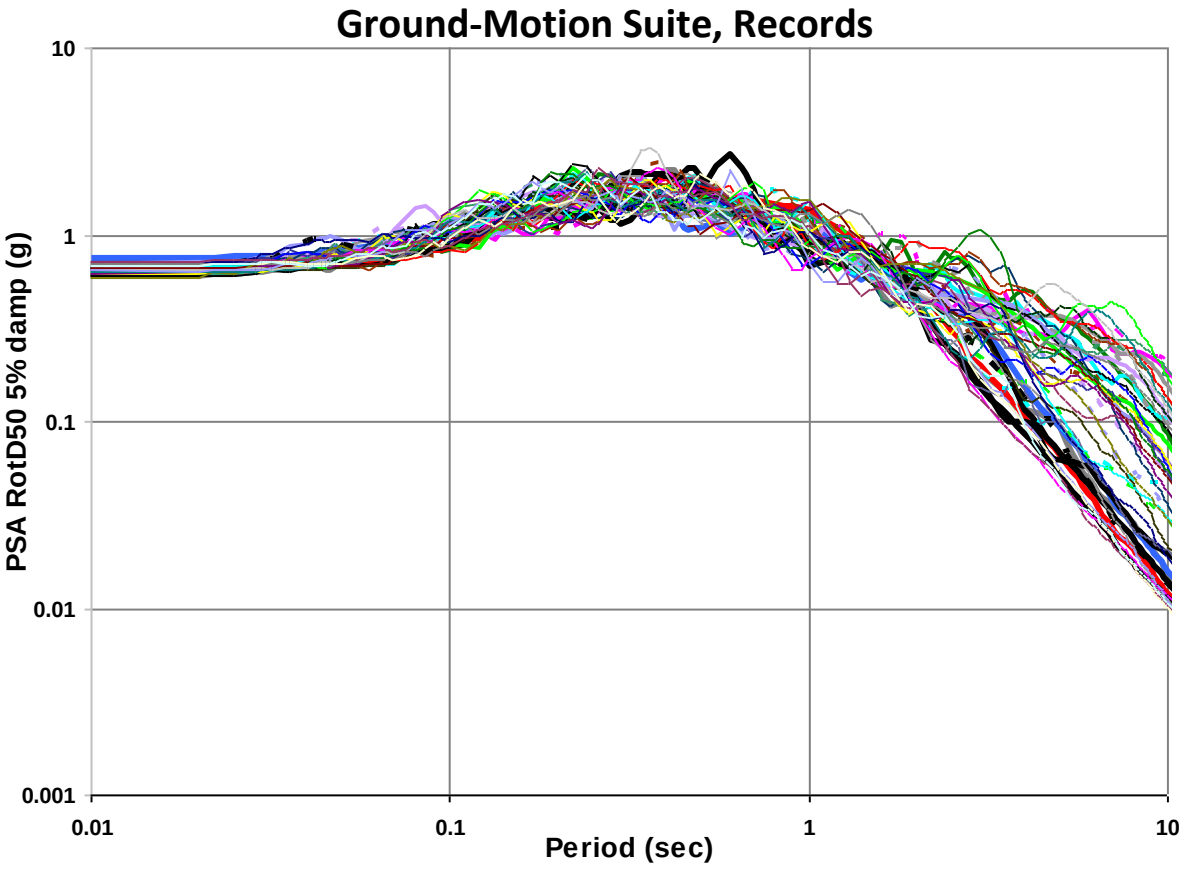
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.18	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.75	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.43	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.19	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.78	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	2.66	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	3.93	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.88	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	2.29	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.51	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	2.27	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.57	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2

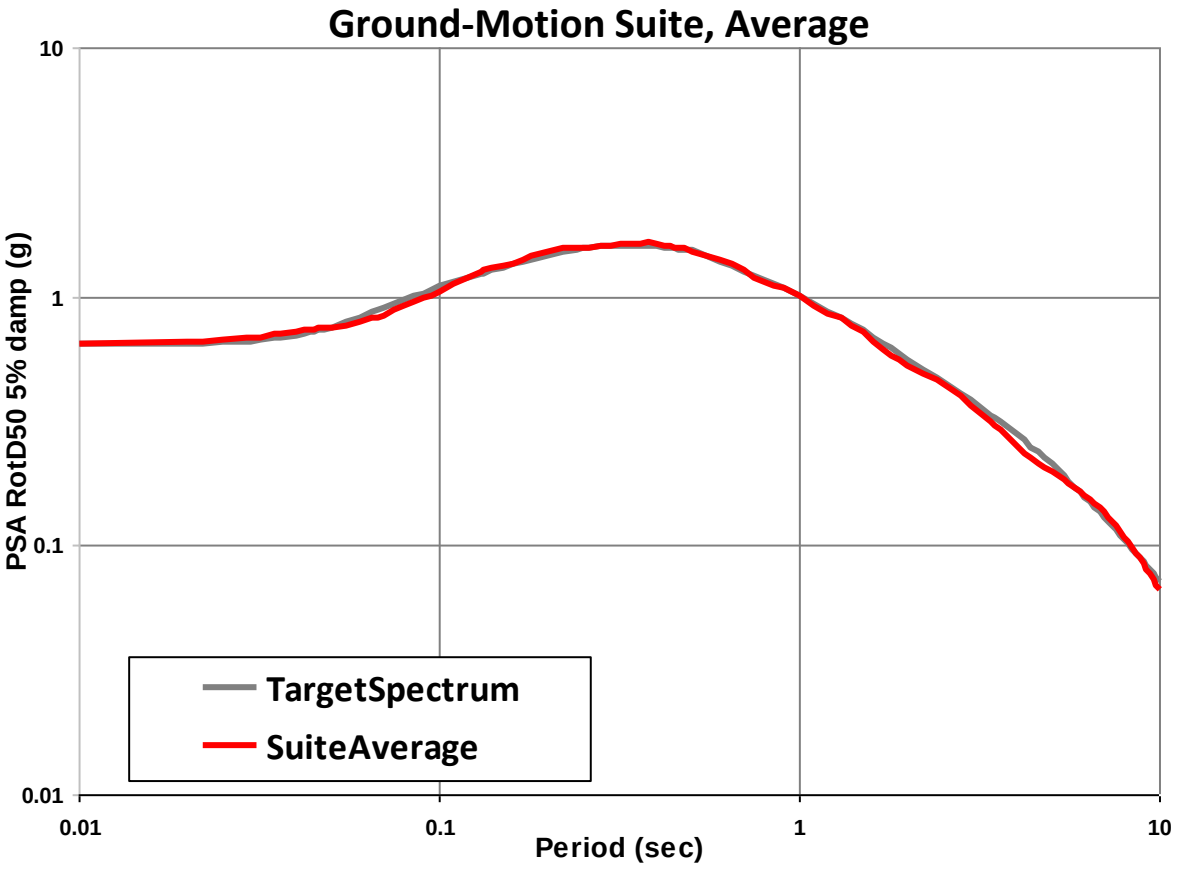
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	3.37	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.38	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.09	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	2.99	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.28	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.73	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.87	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.83	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.83	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	2.24	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	2.05	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.59	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.85	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	2.28	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1496	Chi-Chi, Taiwan TCU056 1999	7.62	10	403.2	Reverse O	21.5	3.36	RSN1496_CHICHI_TCU056-E.AT2 RSN1496_CHICHI_TCU056-N.AT2 RSN1496_CHICHI_TCU056-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	3.65	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.11	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2.26	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1545	Chi-Chi, Taiwan TCU120 1999	7.62	7	459.34	Reverse O	20.7	2.31	RSN1545_CHICHI_TCU120-E.AT2 RSN1545_CHICHI_TCU120-N.AT2 RSN1545_CHICHI_TCU120-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	2.25	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
3751	Cape Mendocino South Bay Union School 1992	7.01	33	459.04	Reverse	7.8	3	RSN3751_CAPEMEND_SBH270.AT2 RSN3751_CAPEMEND_SBH360.AT2 RSN3751_CAPEMEND_SBH-UP.AT2
3757	Landers North Palm Springs Fire Sta #36 1992	7.28	27	367.84	strike slip	24	3.85	RSN3757_LANDERS_NPF090.AT2 RSN3757_LANDERS_NPF180.AT2 RSN3757_LANDERS_NPF-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.43	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.82	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.57	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	2.84	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.21	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.89	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	3.58	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.13	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.11	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	2.33	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
6969	Darfield, New Zealand Styx Mill Transfer Station 2010	7	21	247.5	strike slip	12.2	2.85	RSN6969_DARFIELD_SMTCN88W.AT2 RSN6969_DARFIELD_SMTCS02W.AT2 RSN6969_DARFIELD_SMTCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.12	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	3.05	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.5	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.88	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**

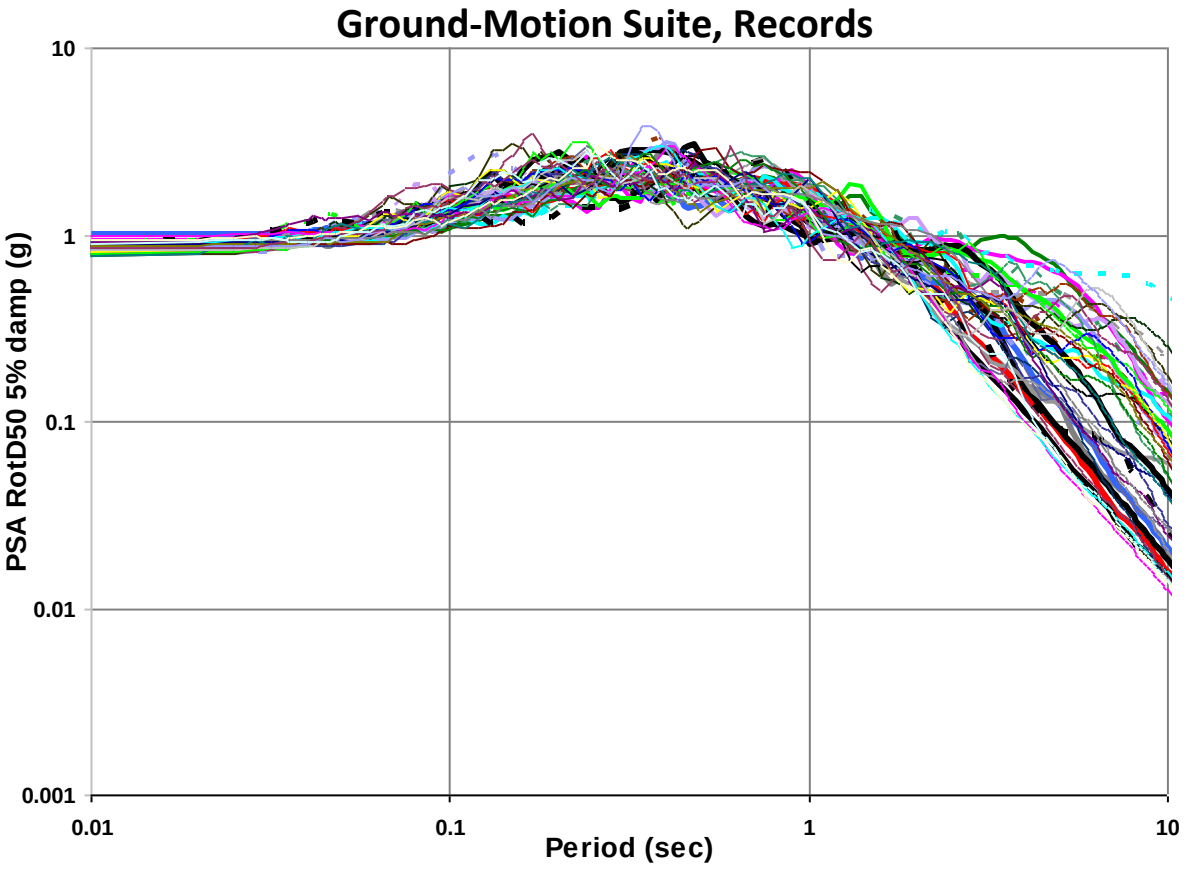
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.78	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.51	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.82	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.27	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	3.38	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.39	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	2.91	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.93	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	2.9	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	3.28	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
900	Landers Yermo Fire Station 1992	7.28	24	353.63	strike slip	8.8	3.11	RSN900_LANDERS_YER270.AT2 RSN900_LANDERS_YER360.AT2 RSN900_LANDERS_YER-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.76	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2

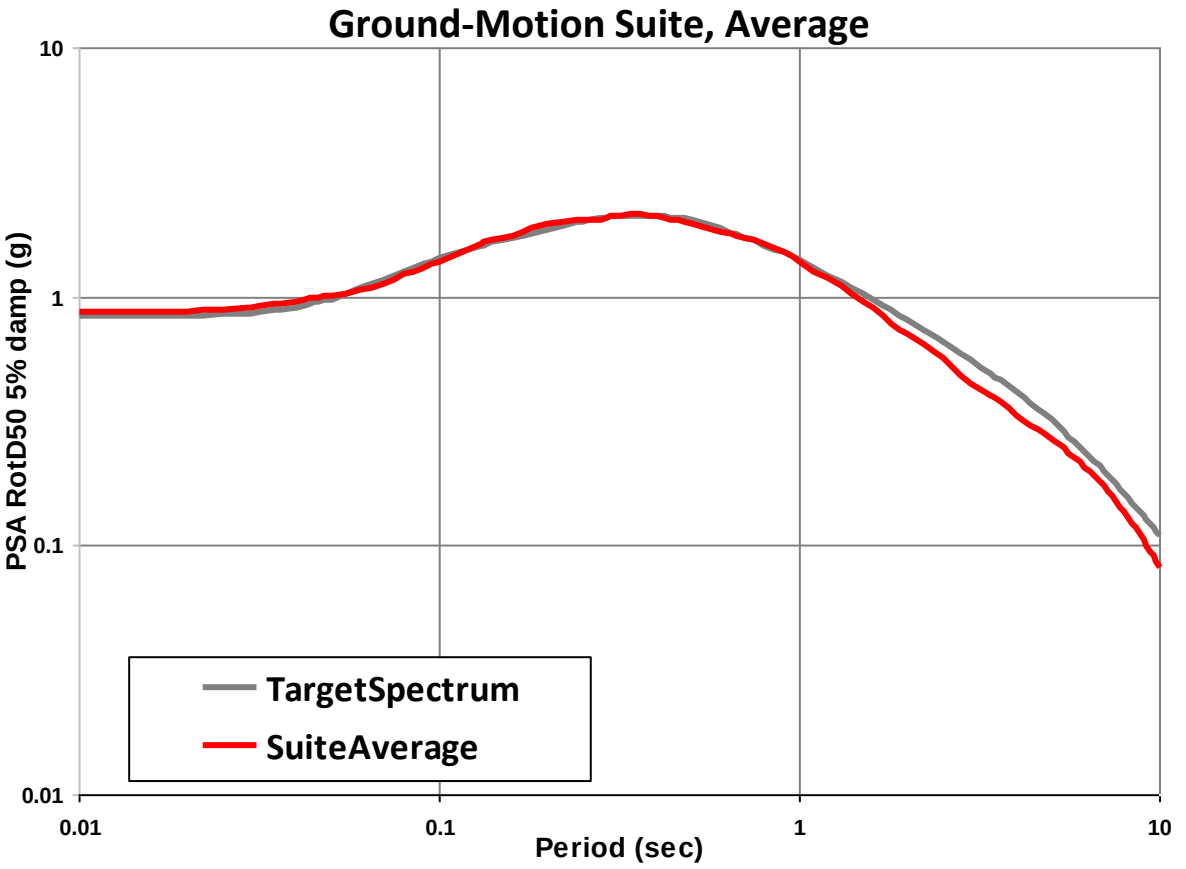
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.39	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	3.81	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.91	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.93	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.1	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.05	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.06	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	2.08	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	2.86	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	3.31	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	3.63	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1494	Chi-Chi, Taiwan TCU054 1999	7.62	5	460.69	Reverse O	18.5	3.68	RSN1494_CHICHI_TCU054-E.AT2 RSN1494_CHICHI_TCU054-N.AT2 RSN1494_CHICHI_TCU054-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	2.91	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.42	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2.88	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1545	Chi-Chi, Taiwan TCU120 1999	7.62	7	459.34	Reverse O	20.7	2.94	RSN1545_CHICHI_TCU120-E.AT2 RSN1545_CHICHI_TCU120-N.AT2 RSN1545_CHICHI_TCU120-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	2.86	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
3751	Cape Mendocino South Bay Union School 1992	7.01	33	459.04	Reverse	7.8	3.83	RSN3751_CAPEMEND_SBH270.AT2 RSN3751_CAPEMEND_SBH360.AT2 RSN3751_CAPEMEND_SBH-UP.AT2
3756	Landers Morongo Valley Hall (GEOS #58) 1992	7.28	41	368.2	strike slip	21.7	3.88	RSN3756_LANDERS_MVP000.AT2 RSN3756_LANDERS_MVP090.AT2 RSN3756_LANDERS_MVP-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	3.09	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.31	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.72	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	3.62	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.81	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.4	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6887	Darfield, New Zealand Christchurch Botanical Gardens 2010	7	18	187	strike slip	10.8	3.89	RSN6887_DARFIELD_CBGSN89W.AT2 RSN6887_DARFIELD_CBGSS01W.AT2 RSN6887_DARFIELD_CBGSUP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.71	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.41	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	2.97	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
6966	Darfield, New Zealand Shirley Library 2010	7	22	207	strike slip	11	3.71	RSN6966_DARFIELD_SHLCS40W.AT2 RSN6966_DARFIELD_SHLCS50E.AT2 RSN6966_DARFIELD_SHLCUP.AT2
6969	Darfield, New Zealand Styx Mill Transfer Station 2010	7	21	247.5	strike slip	12.2	3.64	RSN6969_DARFIELD_SMTCN88W.AT2 RSN6969_DARFIELD_SMTCS02W.AT2 RSN6969_DARFIELD_SMTCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.42	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	1.75	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	3.88	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.9	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.4	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**

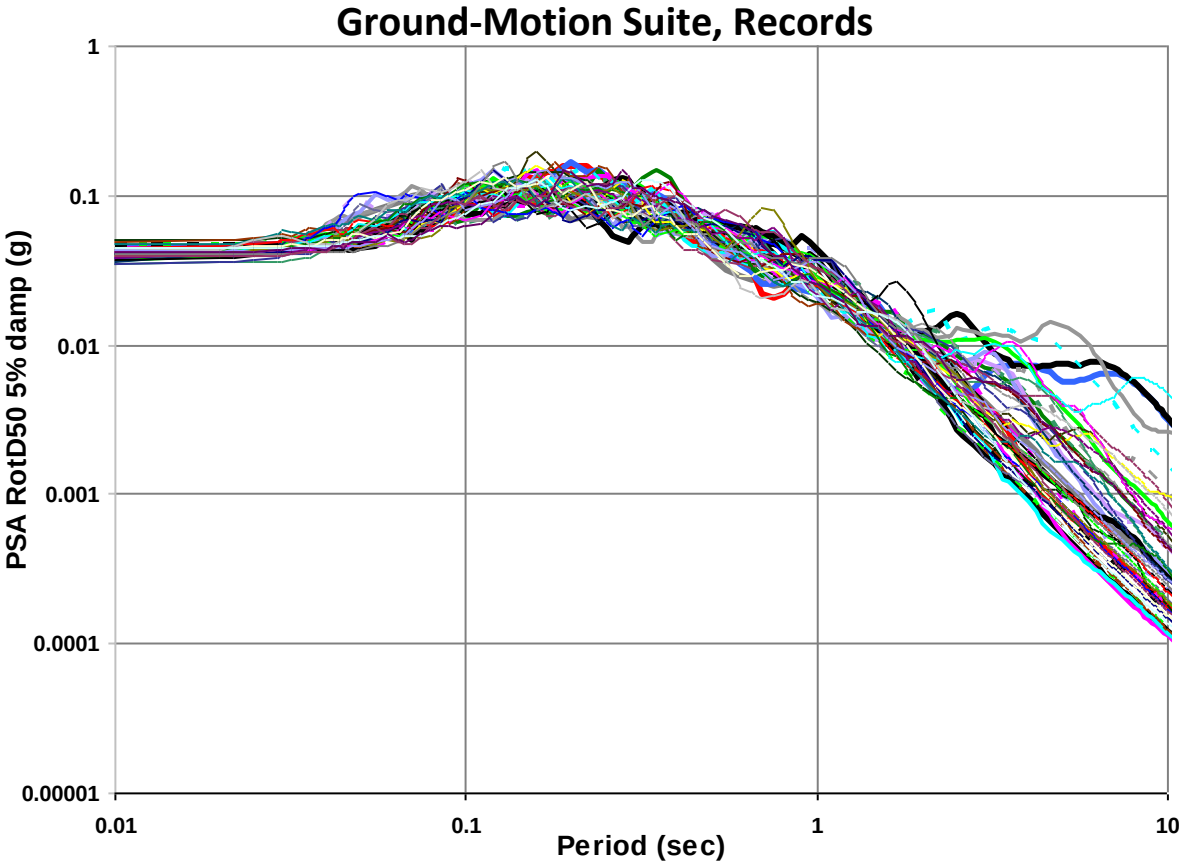
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	3.68	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	3.03	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
170	Imperial Valley-06 EC County Center FF 1979	6.53	7	192.05	strike slip	4.2	3.87	RSN170_IMPVALL.H_H-ECC002.AT2 RSN170_IMPVALL.H_H-ECC092.AT2 RSN170_IMPVALL.H_H-ECC-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.41	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	3	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	3.16	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	3.85	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
764	Loma Prieta Gilroy - Historic Bldg. 1989	6.93	10	308.55	Reverse O	3.6	3.61	RSN764_LOMAP_GOF160.AT2 RSN764_LOMAP_GOF250.AT2 RSN764_LOMAP_GOF-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.55	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
776	Loma Prieta Hollister - South & Pine 1989	6.93	28	282.14	Reverse O	7	3.06	RSN776_LOMAP_HSP000.AT2 RSN776_LOMAP_HSP090.AT2 RSN776_LOMAP_HSP-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	3.33	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	3.83	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2

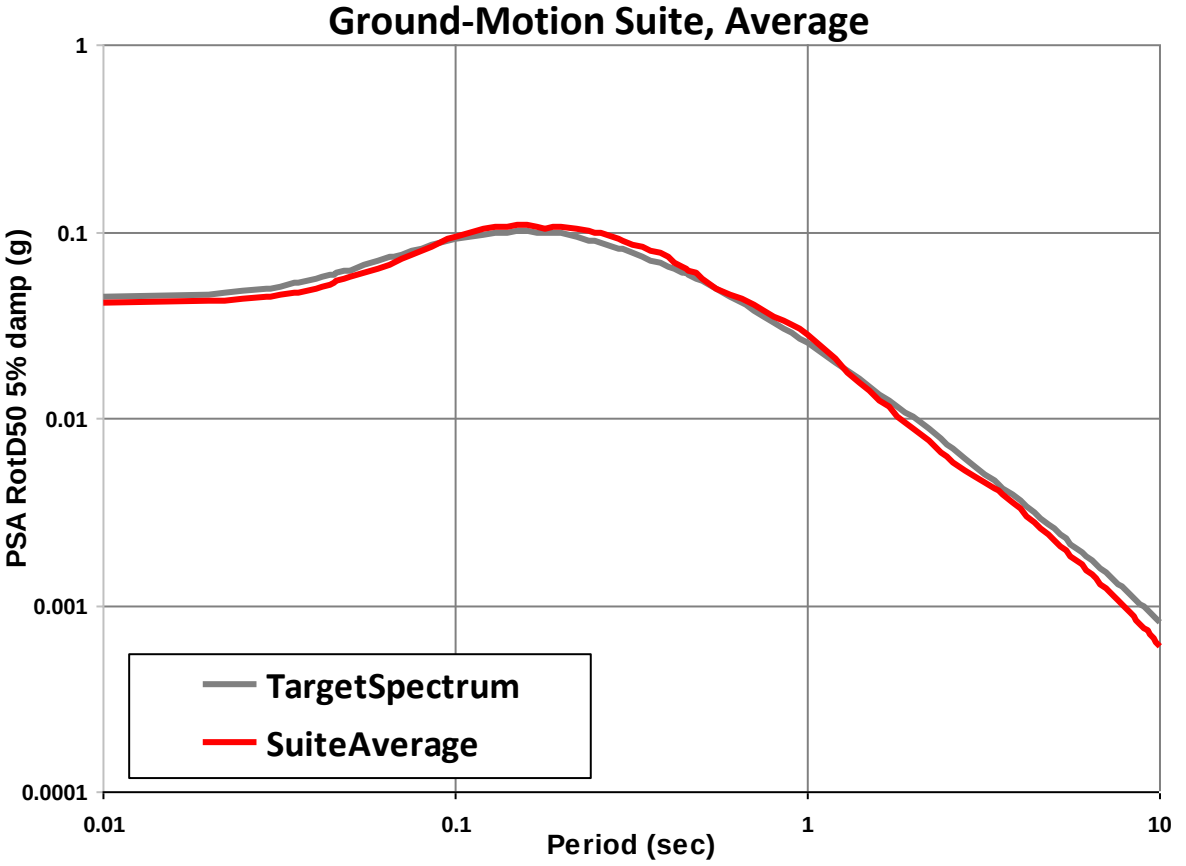
Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	2.09	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	2.32	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.84	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	3.85	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.23	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.46	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.39	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.4	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	2.75	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1176	Kocaeli, Turkey Yarimca 1999	7.51	1	297	strike slip	6.5	3.21	RSN1176_KOCAELI_YPT060.AT2 RSN1176_KOCAELI_YPT150.AT2 RSN1176_KOCAELI_YPT-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	3.78	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	2.44	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	3.84	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1504	Chi-Chi, Taiwan TCU067 1999	7.62	1	433.63	Reverse O	9.1	2.16	RSN1504_CHICHI_TCU067-E.AT2 RSN1504_CHICHI_TCU067-N.AT2 RSN1504_CHICHI_TCU067-V.AT2
1505	Chi-Chi, Taiwan TCU068 1999	7.62	0	487.34	Reverse O	6.1	1.86	RSN1505_CHICHI_TCU068-E.AT2 RSN1505_CHICHI_TCU068-N.AT2 RSN1505_CHICHI_TCU068-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.88	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	3.8	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1545	Chi-Chi, Taiwan TCU120 1999	7.62	7	459.34	Reverse O	20.7	3.89	RSN1545_CHICHI_TCU120-E.AT2 RSN1545_CHICHI_TCU120-N.AT2 RSN1545_CHICHI_TCU120-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	3.78	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1605	Duzce, Turkey Duzce 1999	7.14	0	281.86	strike slip	7.1	2.05	RSN1605_DUZCE_DZC180.AT2 RSN1605_DUZCE_DZC270.AT2 RSN1605_DUZCE_DZC-UP.AT2
4853	Chuetsu-oki Joetsu City 2007	6.8	26	294.71	Reverse	14.7	3.41	RSN4853_CHUETSU_65019NS.AT2 RSN4853_CHUETSU_65019EW.AT2 RSN4853_CHUETSU_65019UD.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	3.06	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	2.69	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.95	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5814	Iwate Furukawa Osaki City 2008	6.9	31	248.19	Reverse	12.3	3.28	RSN5814_IWATE_44B91NS.AT2 RSN5814_IWATE_44B91EW.AT2 RSN5814_IWATE_44B91UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	3.72	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
5832	El Mayor-Cucapah TAMAULIPAS 2010	7.2	25	242.05	strike slip	27.7	3.75	RSN5832_SIERRA.MEX_TAM000.AT2 RSN5832_SIERRA.MEX_TAM090.AT2 RSN5832_SIERRA.MEX_TAM--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	3.18	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
5988	El Mayor-Cucapah Meloland, E Holton Rd. 2010	7.2	30	196	strike slip	20.9	3.56	RSN5988_SIERRA.MEX_DRE360.AT2 RSN5988_SIERRA.MEX_DRE-90.AT2 RSN5988_SIERRA.MEX_DRE-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	3.58	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.86	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	3.93	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.88	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	2.32	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.52	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	3.17	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**

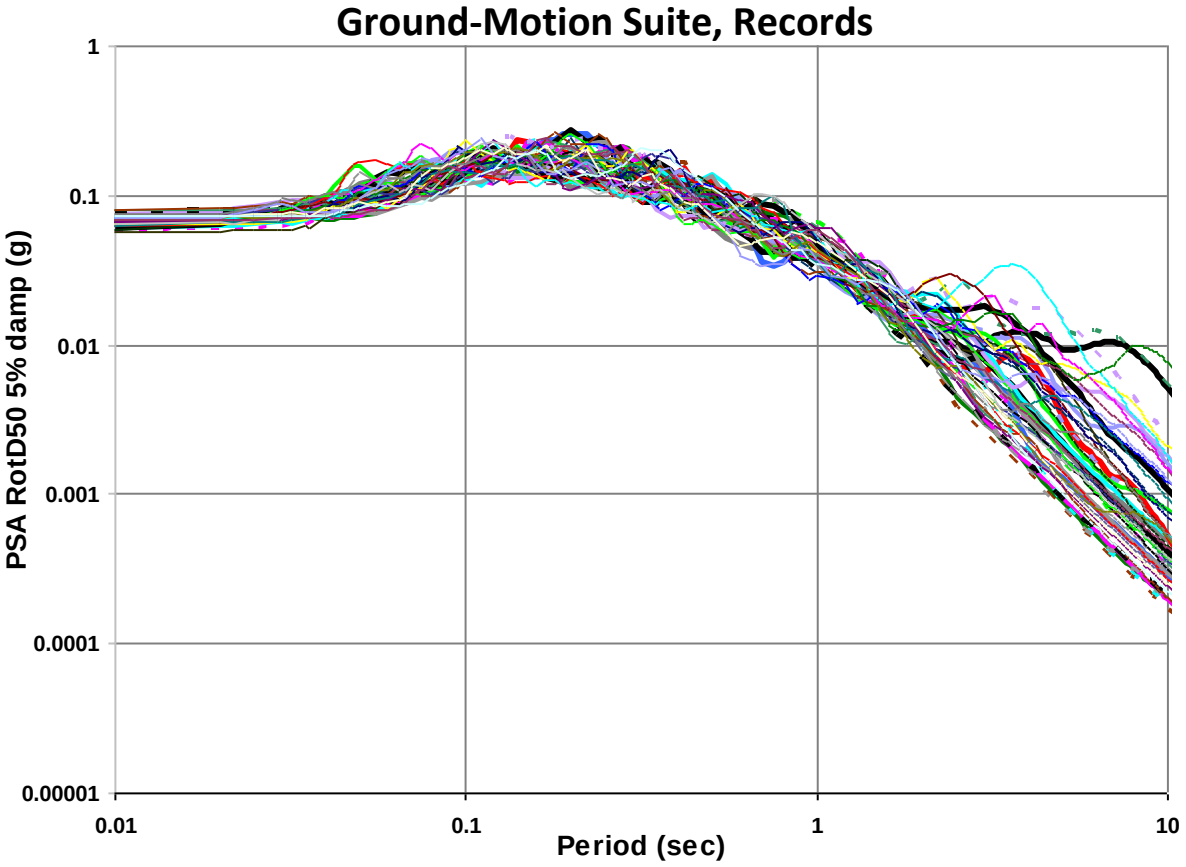
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.27	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.26	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	0.98	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
237	Mammoth Lakes-03 Long Valley Dam (Downst) 1980	5.91	10	537.16	strike slip	3.2	0.52	RSN237_MAMMOTH.AH_A-LVD000.A RSN237_MAMMOTH.AH_A-LVD090.A RSN237_MAMMOTH.AH_A-LVD-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.5	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	0.62	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.46	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	0.34	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	0.29	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.37	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.42	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.28	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

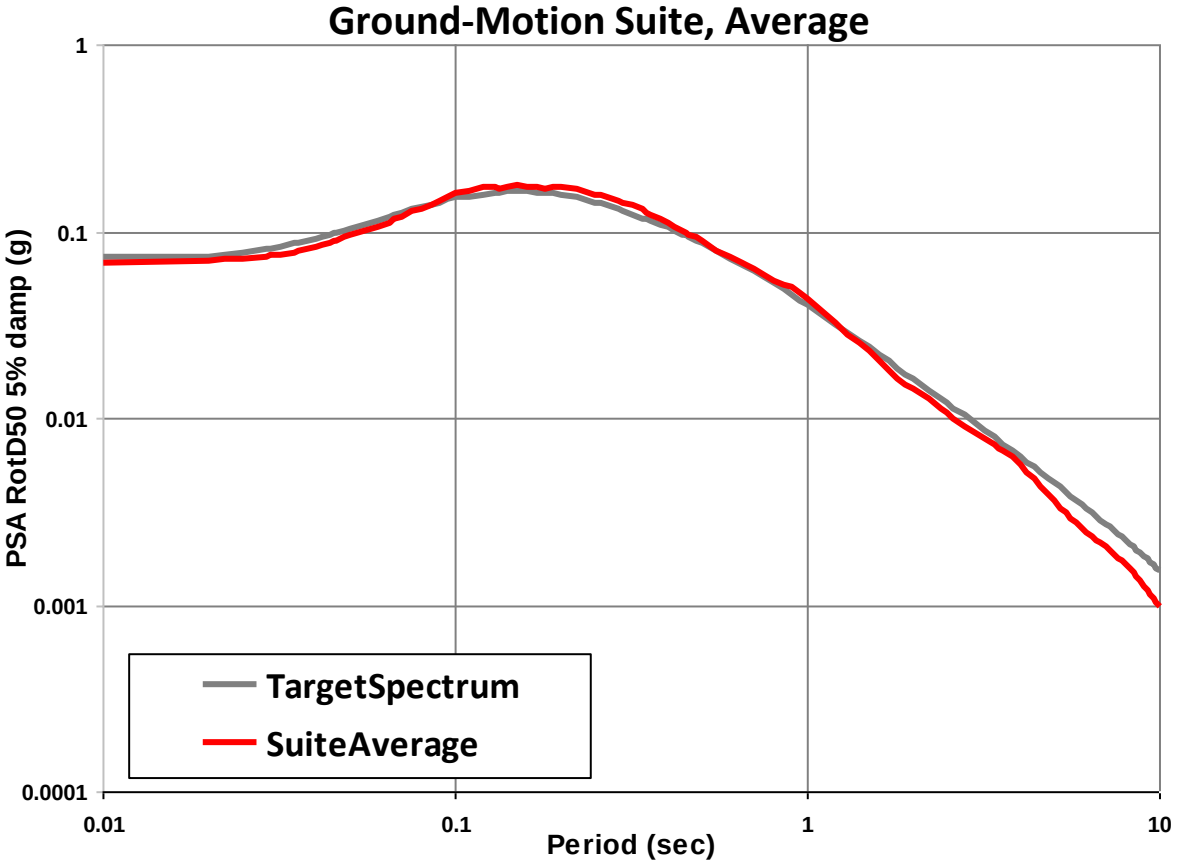
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
675	Whittier Narrows-01 Pasadena - CIT Athenaeum 1987	5.99	4	415.13	Reverse O	3	0.28	RSN675_WHITTIER.A_A-PAS180.AT2 RSN675_WHITTIER.A_A-PAS270.AT2 RSN675_WHITTIER.A_A-PAS-UP.AT2
957	Northridge-01 Burbank - Howard Rd. 1994	6.69	16	581.93	Reverse	5.5	0.29	RSN957_NORTHR_HOW060.AT2 RSN957_NORTHR_HOW330.AT2 RSN957_NORTHR_HOW-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.27	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.3	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.31	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	0.62	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	0.88	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	0.98	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.27	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
2772	Chi-Chi, Taiwan-04 HWA024 1999	6.2	46	671.52	strike slip	10	3.2	RSN2772_CHICHI.04_HWA024N.AT2 RSN2772_CHICHI.04_HWA024E.AT2 RSN2772_CHICHI.04_HWA024V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.75	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	0.58	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3201	Chi-Chi, Taiwan-05 TCU101 1999	6.2	50	389.41	Reverse	9.3	0.77	RSN3201_CHICHI.05_TCU101N.AT2 RSN3201_CHICHI.05_TCU101E.AT2 RSN3201_CHICHI.05_TCU101V.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.3	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.28	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3686	Whittier Narrows-02 Baldwin Park - N Holly 1987	5.27	12	544.68	Reverse O	5.6	0.8	RSN3686_WHITTIER.B_B-NHO180.AT RSN3686_WHITTIER.B_B-NHO270.AT RSN3686_WHITTIER.B_B-NHO-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.34	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.29	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.26	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.35	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.33	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4193	Niigata, Japan NGNH29 2004	6.63	45	464.92	Reverse	8.4	0.35	RSN4193_NIIGATA_NGNH29NS.AT2 RSN4193_NIIGATA_NGNH29EW.AT2 RSN4193_NIIGATA_NGNH29UD.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	0.71	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.51	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.67	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.42	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	1.5	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.6	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT2
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	0.66	RSN4553_L-AQUILA.B_CW119XTE.AT2 RSN4553_L-AQUILA.B_CW119YLN.AT2 RSN4553_L-AQUILA.B_CW119ZUP.AT2
5239	Chuetsu-oki NGNH29 2007	6.8	44	464.92	Reverse	5.7	0.42	RSN5239_CHUETSU_NGNH29NS.AT2 RSN5239_CHUETSU_NGNH29EW.AT2 RSN5239_CHUETSU_NGNH29UD.AT2
5494	Iwate AKTH18 2008	6.9	47	431	Reverse	8.1	0.33	RSN5494_IWATE_AKTH18NS.AT2 RSN5494_IWATE_AKTH18EW.AT2 RSN5494_IWATE_AKTH18UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	0.76	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.25	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.36	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	0.43	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.49	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8709	40204628 Lick Observatory, Mt. Hamiliton, CA, 2007	5.45	13	710.29	strike slip	2.6	0.63	RSN8709_40204628_BKMHCHLN.AT2 RSN8709_40204628_BKMHCHLE.AT2 RSN8709_40204628_BKMHCHLZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.63	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.53	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

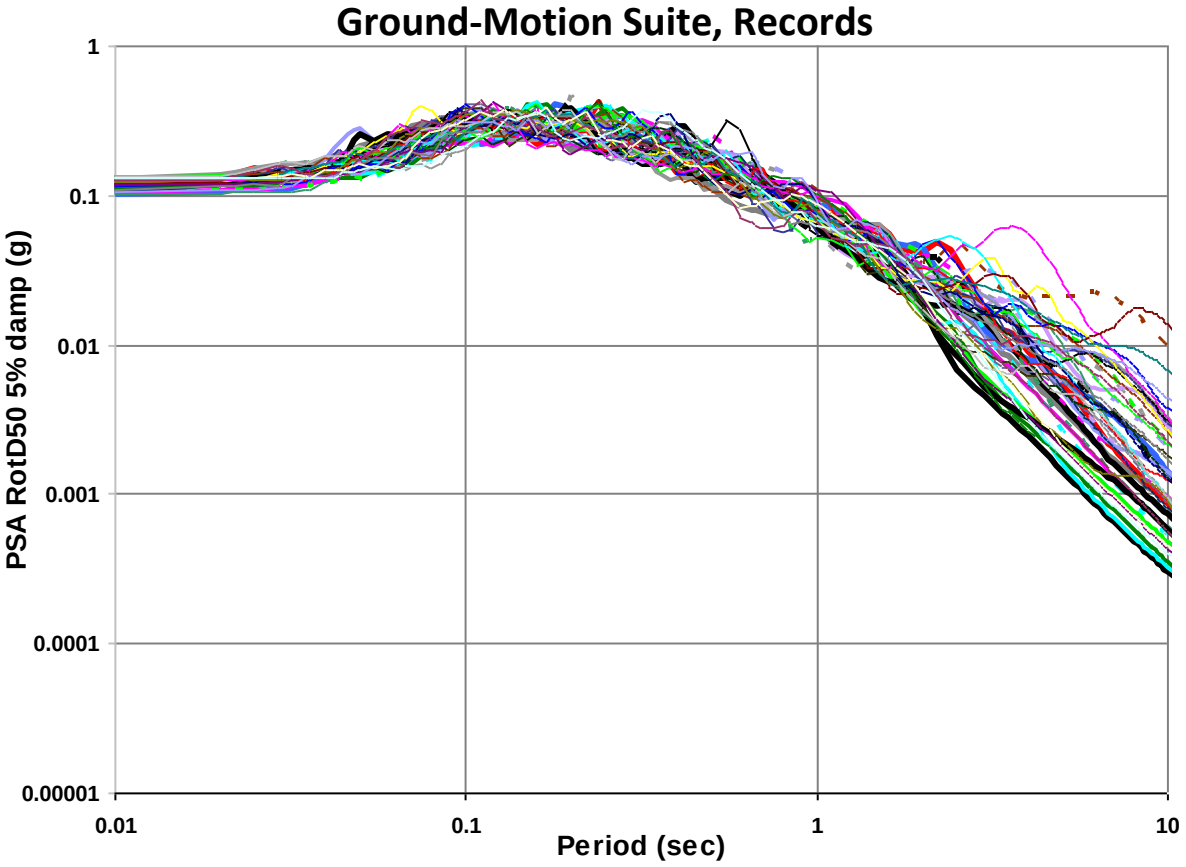
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.44	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.42	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.37	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	1.59	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.36	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.29	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	1.01	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.75	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	0.56	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.26	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.33	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.6	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2

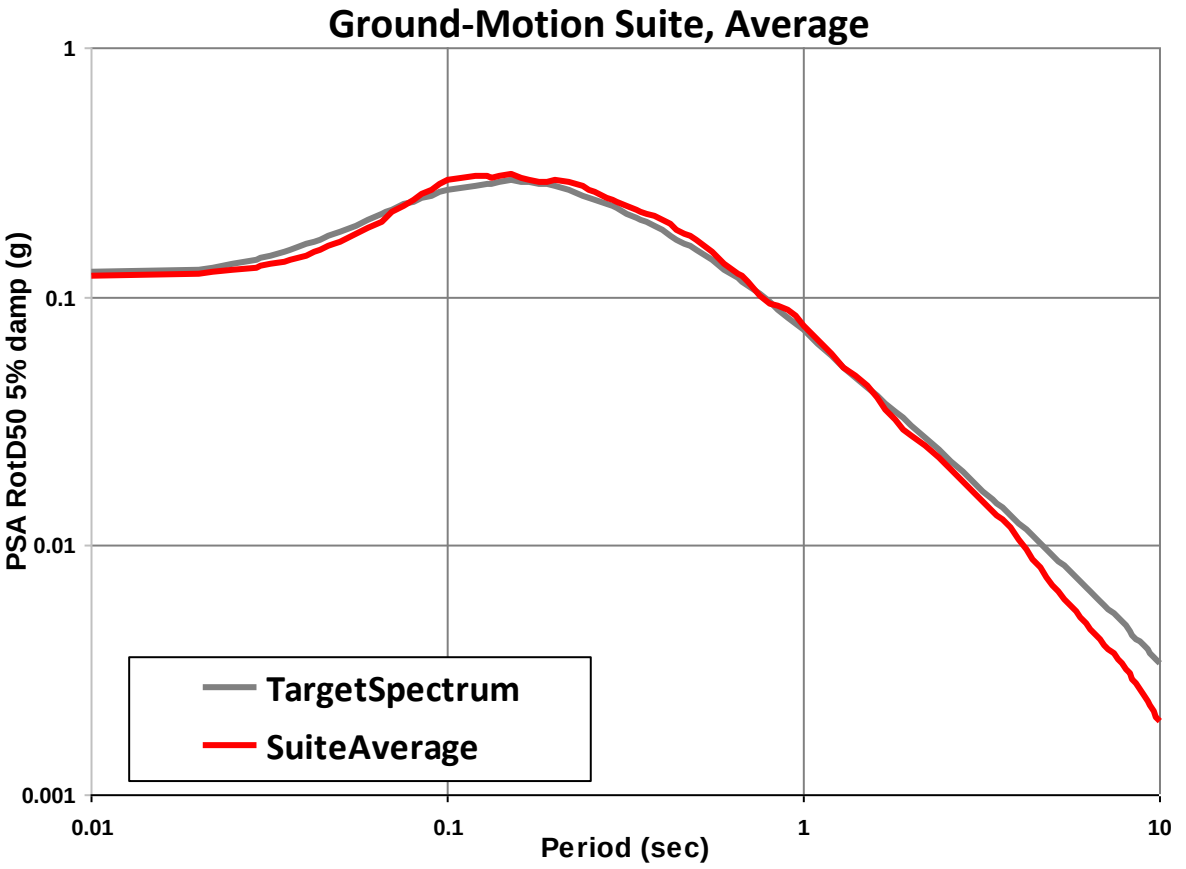
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.68	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.46	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.37	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.35	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.45	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.49	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.35	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.5	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	1.43	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.59	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.39	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.45	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.21	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	0.95	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.49	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.45	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.56	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.47	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.42	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.57	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.54	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	1.15	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.83	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	2.44	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.98	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	1.08	RSN4553_L-AQUILA.B_CW119XTE.AT RSN4553_L-AQUILA.B_CW119YLN.AT RSN4553_L-AQUILA.B_CW119ZUP.AT
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.33	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.25	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.33	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.26	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.27	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	1.24	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.4	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.58	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.8	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.03	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.86	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

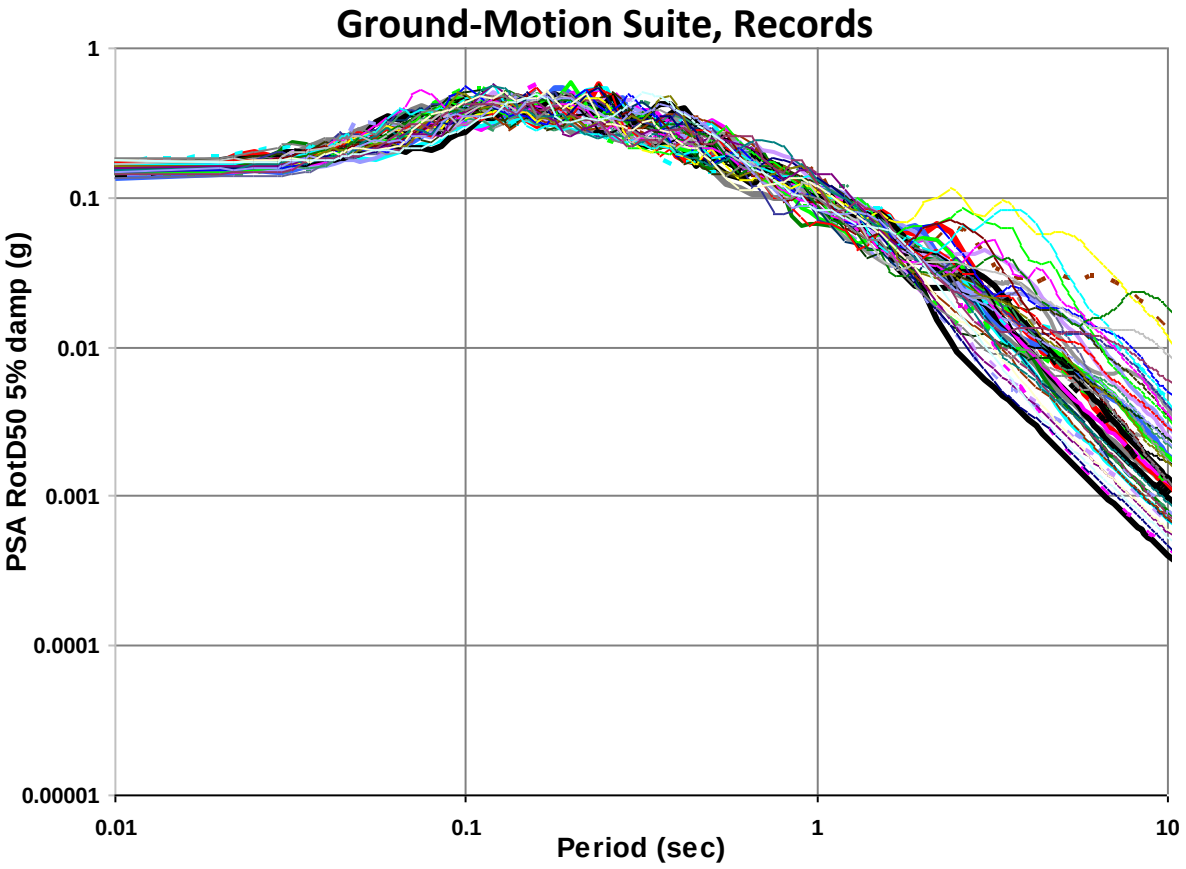
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.79	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.75	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.67	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	2.84	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.26	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.64	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.52	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.34	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.43	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.36	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.08	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.22	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

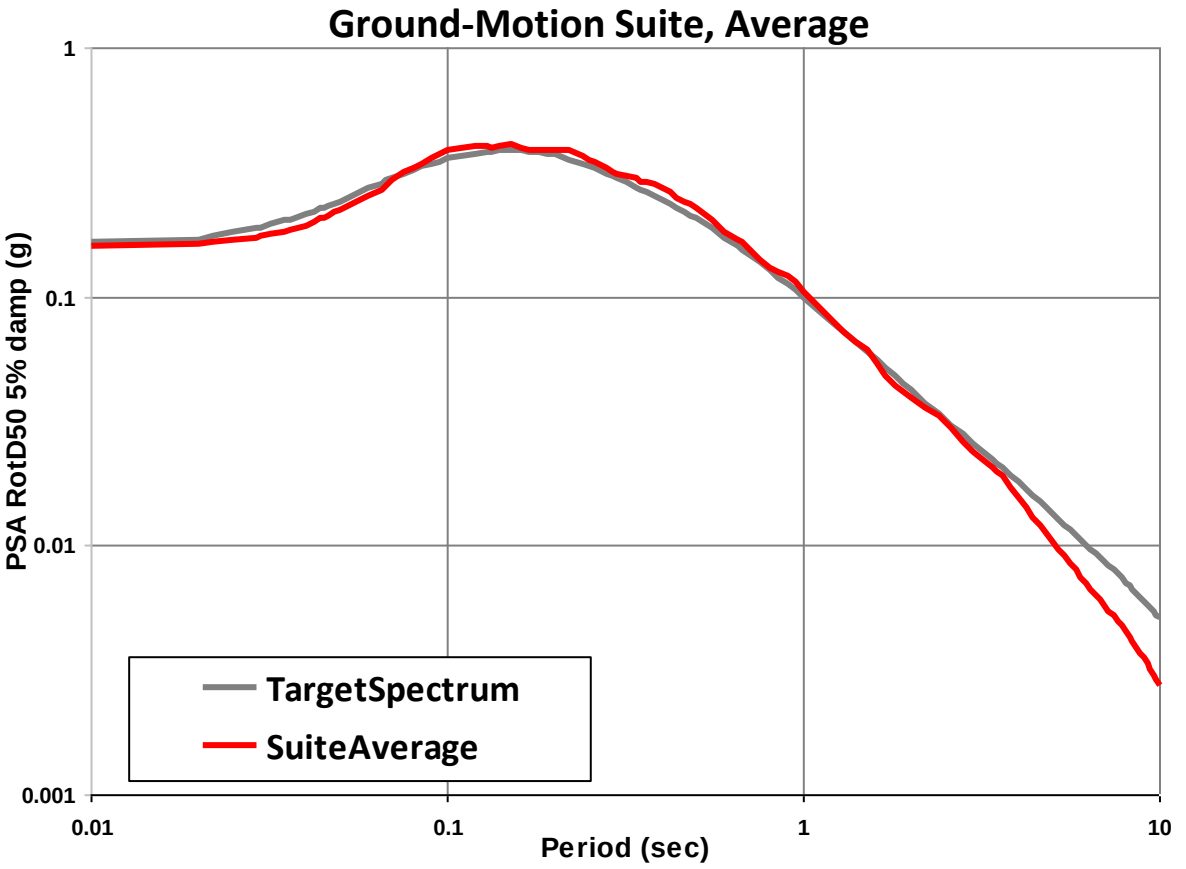
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.83	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.33	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.38	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.32	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.63	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1.79	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	2.56	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	2.84	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.69	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.39	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.17	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	1.69	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.87	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.25	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.84	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.75	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.44	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.01	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.96	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.34	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.31	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.48	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.75	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.33	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.28	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.29	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.59	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.45	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.6	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.47	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.48	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	2.21	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.42	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.04	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.84	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	1.55	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

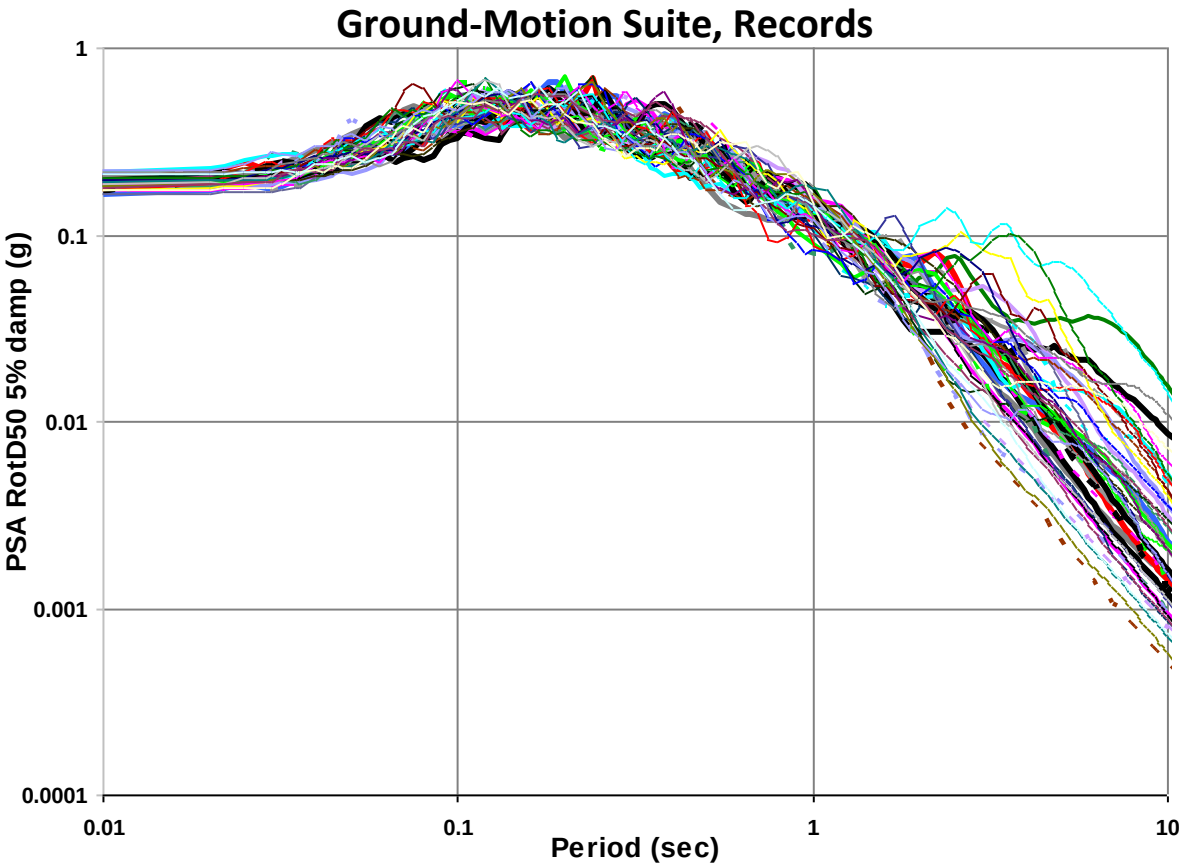
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.06	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.01	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.9	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.35	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.86	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.69	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.79	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.58	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.48	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.45	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.11	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.88	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

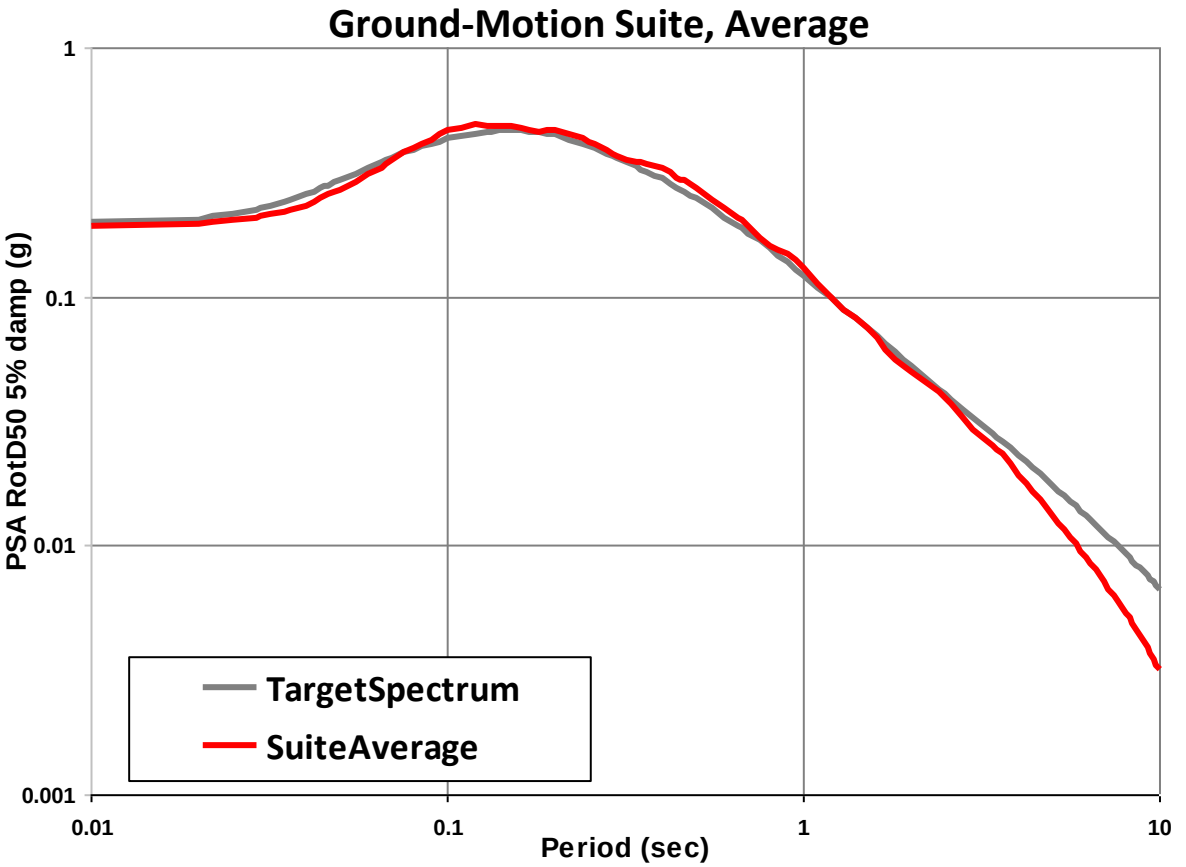
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.44	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.51	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.43	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.84	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	2.4	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	3.43	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	3.81	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.93	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.91	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.17	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.35	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.33	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.13	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.59	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.36	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.29	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.46	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.25	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.29	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.42	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.98	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.28	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.35	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.44	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.38	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.8	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.31	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.6	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	1.7	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.8	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.63	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.64	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	2.96	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.57	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.46	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	2.07	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

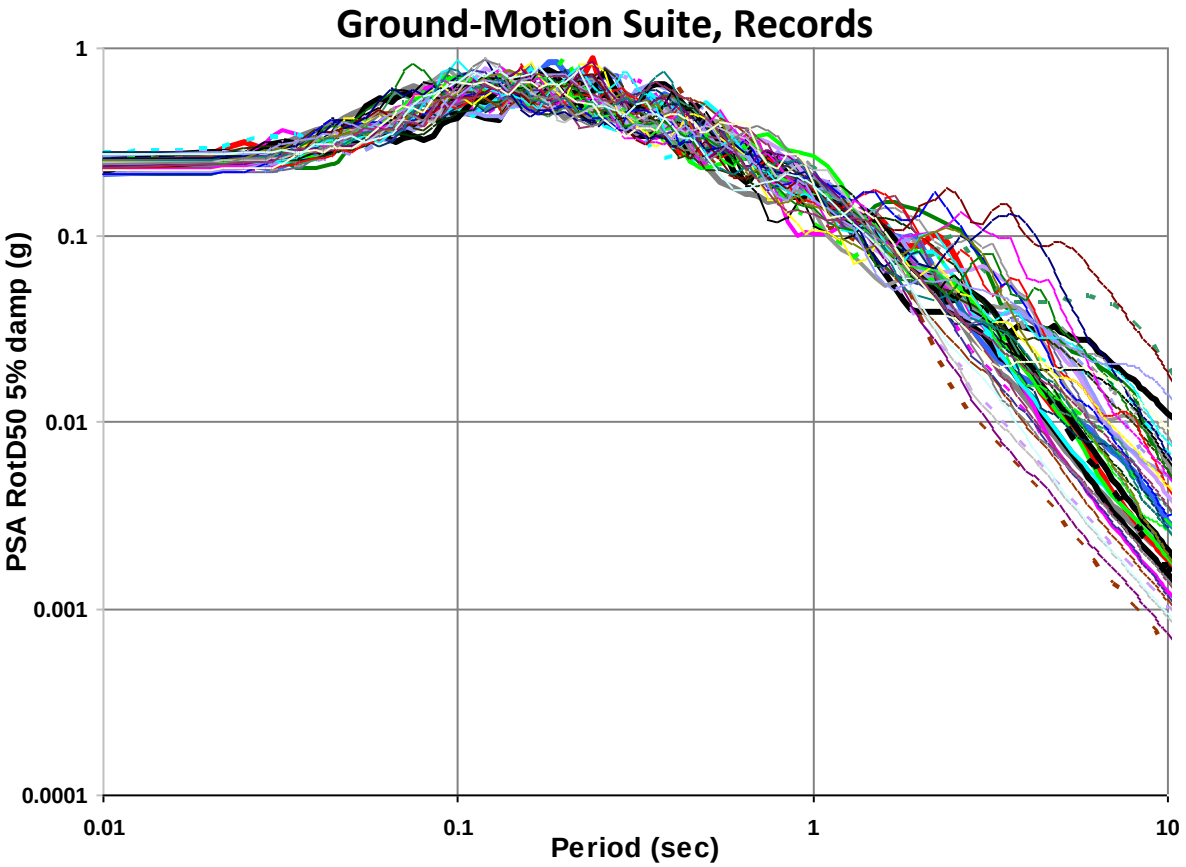
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.28	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.22	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.09	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.43	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.05	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.84	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.17	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.7	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.58	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.75	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.34	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.07	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

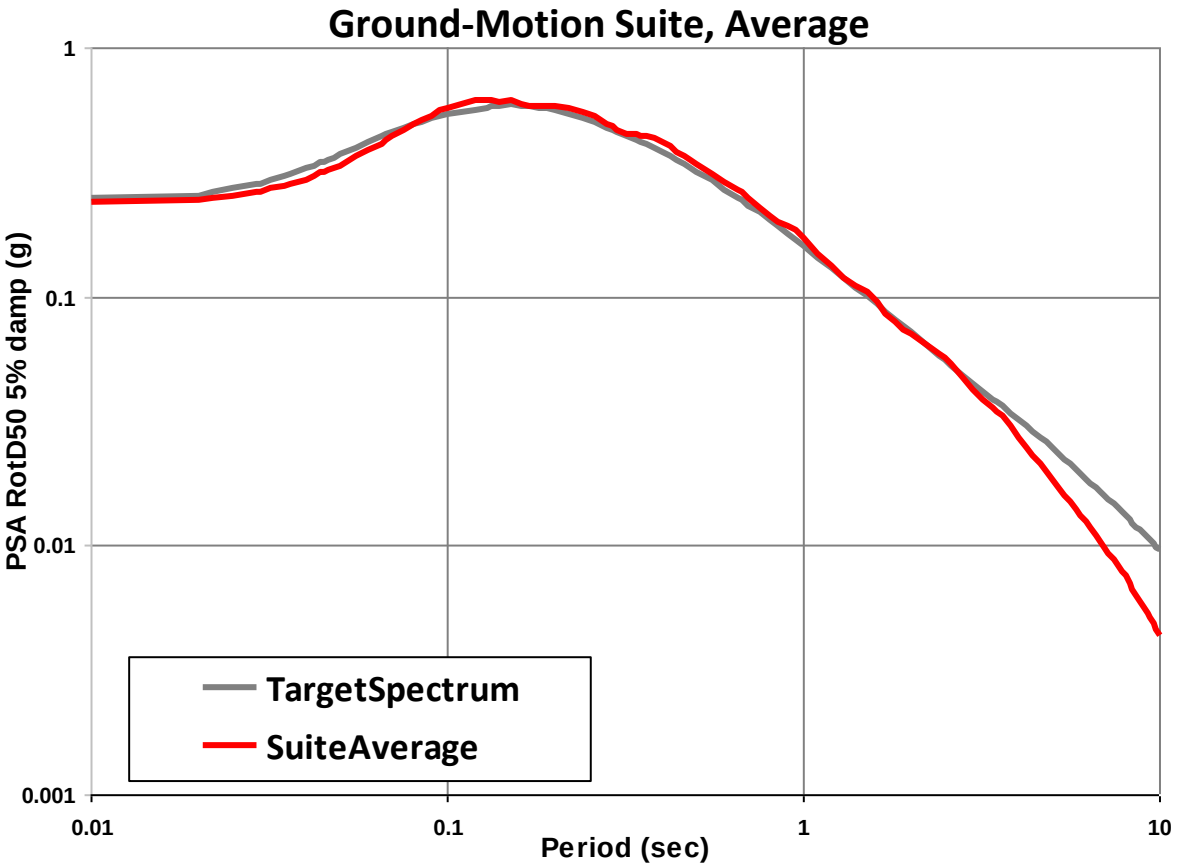
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.53	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.62	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.53	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.27	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.02	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	2.91	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.13	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	3.52	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	2.06	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.41	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.63	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.4	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.36	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.22	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.71	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.65	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.56	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.56	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.3	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.35	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.51	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.01	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.4	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.34	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	2	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.84	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.53	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.46	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.96	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.37	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.73	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	2.06	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.97	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.76	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.77	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.69	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.98	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

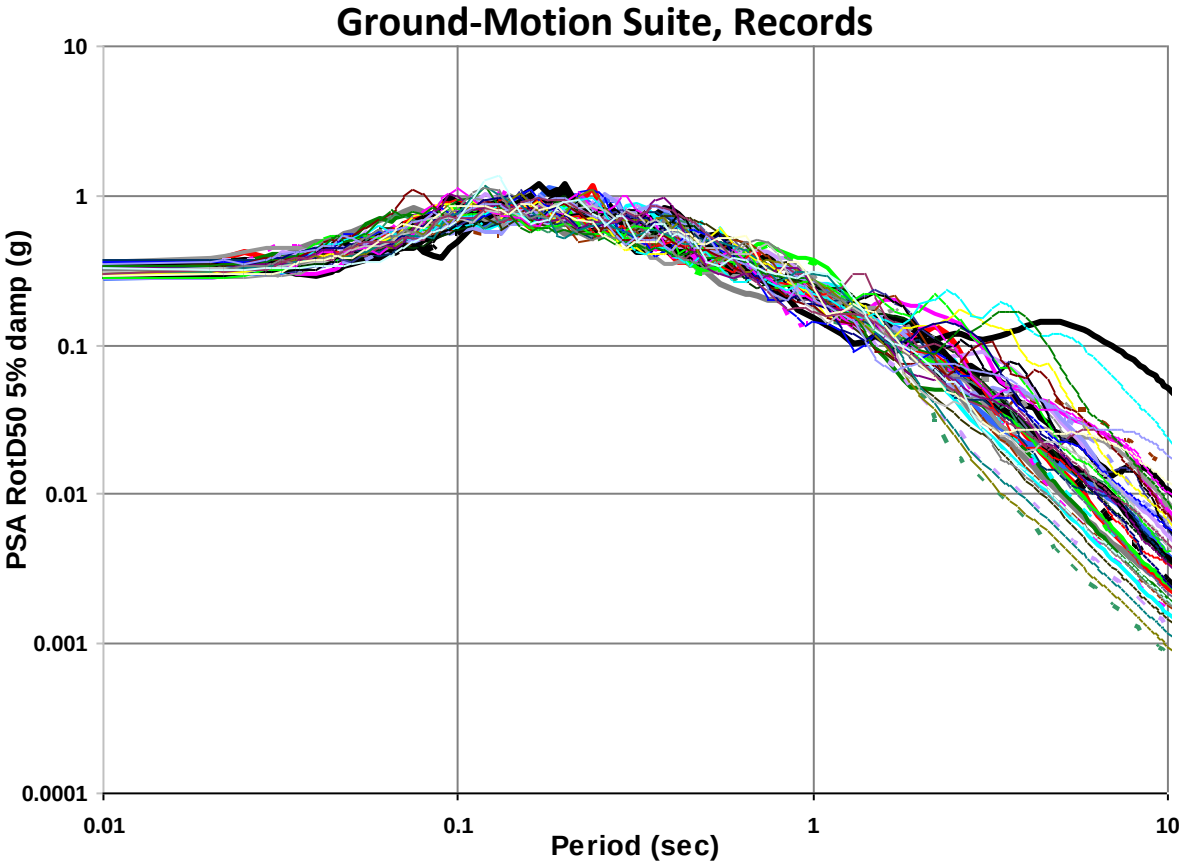
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.64	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.39	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.54	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.34	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.07	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.77	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.16	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.74	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.24	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.71	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.37	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.68	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2

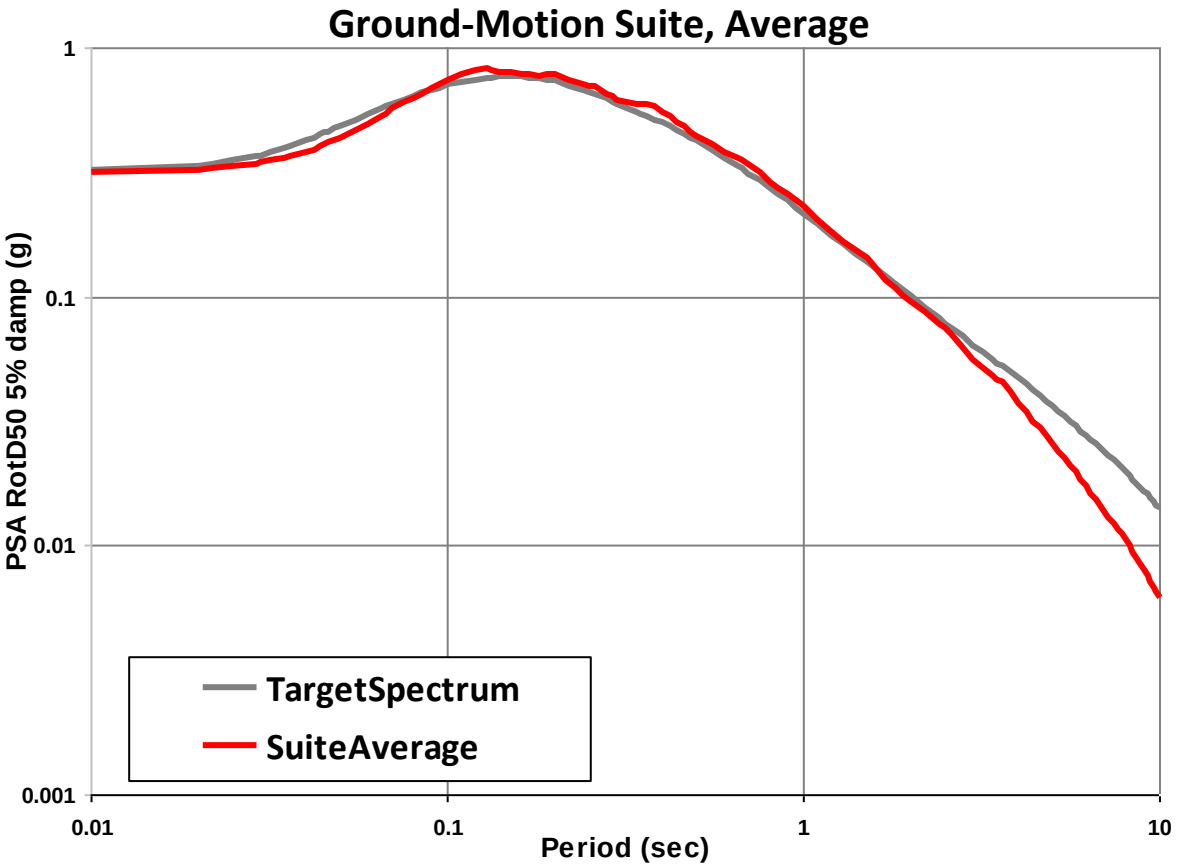
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.79	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.67	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.34	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.31	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.4	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	3.71	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.44	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	2.63	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.8	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.08	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	1.33	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.52	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.55	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.91	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.1	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.99	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	3.56	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.71	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.45	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.3	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.07	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.43	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	2.55	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	3.63	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.67	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	1.59	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.59	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	0.77	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.23	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.47	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.93	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	2.63	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.24	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.97	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.99	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.88	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	3.81	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**

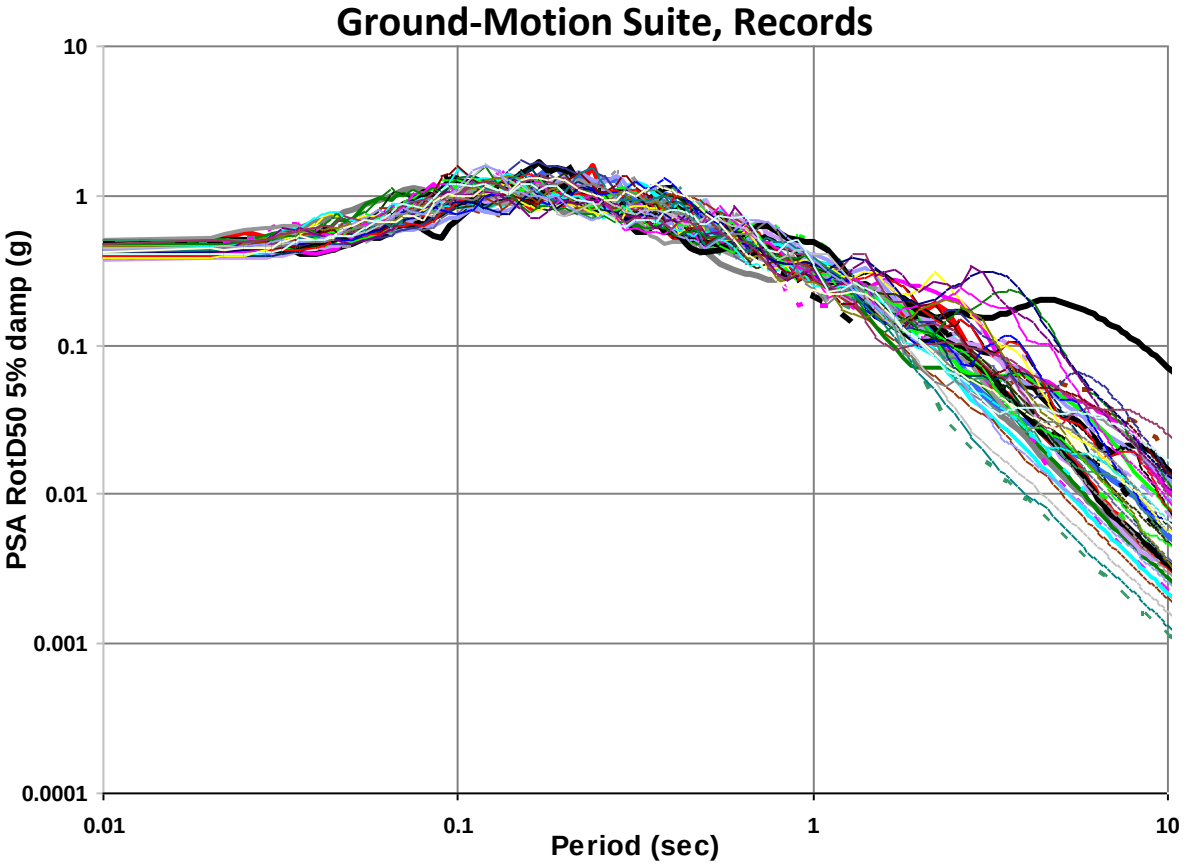
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.15	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.88	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.83	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.72	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.76	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.41	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	1.63	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.52	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.98	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.95	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.25	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.8	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

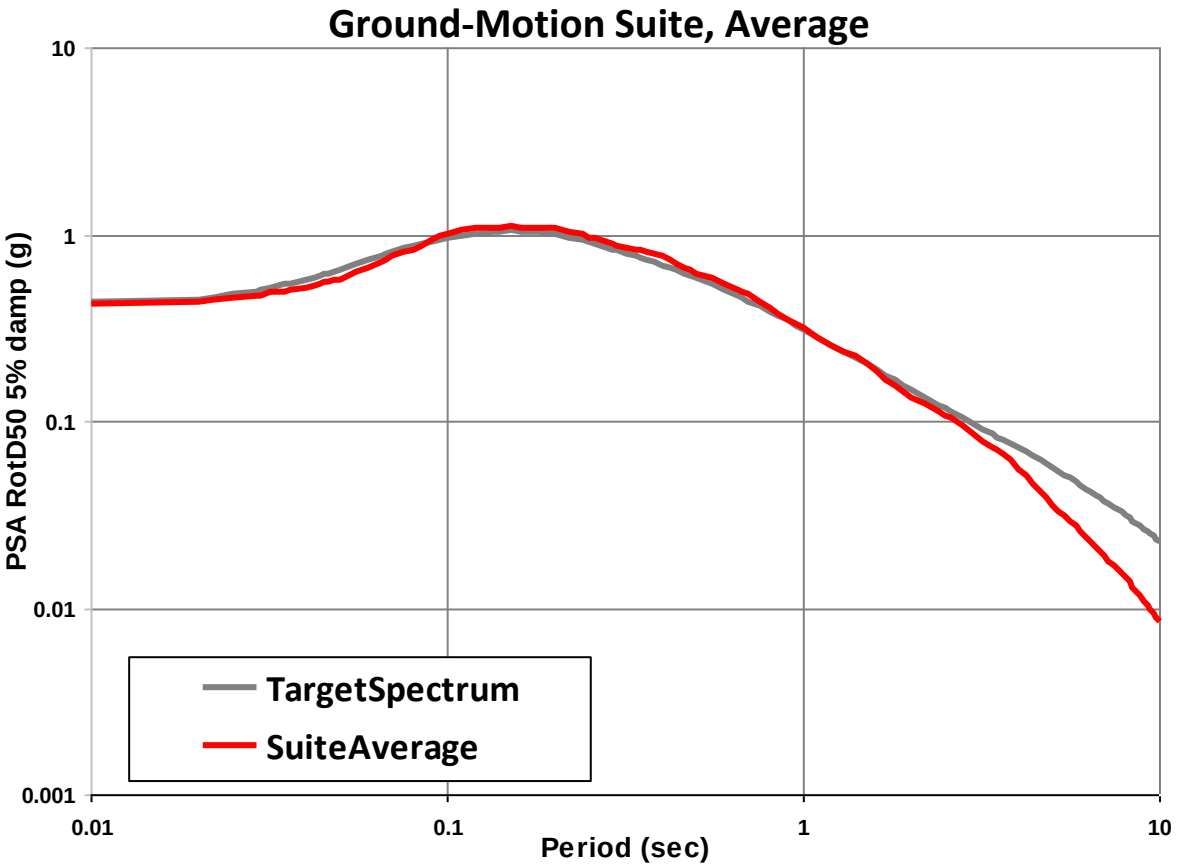
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.89	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.04	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.88	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	1.97	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.45	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.72	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.53	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.89	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	3.47	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.38	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.74	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	1.75	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.68	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.05	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.2	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.77	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.62	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.94	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.59	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.71	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.57	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	3.36	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	1.75	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	2.09	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5275	Chuetsu-oki NIGH01 2007	6.8	16	480.4	Reverse	10.9	2.07	RSN5275_CHUETSU_NIGH01NS.AT2 RSN5275_CHUETSU_NIGH01EW.AT2 RSN5275_CHUETSU_NIGH01UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.78	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.01	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.62	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.62	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.23	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	3.46	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.63	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.28	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.3	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	1.96	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.15	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	3.43	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**

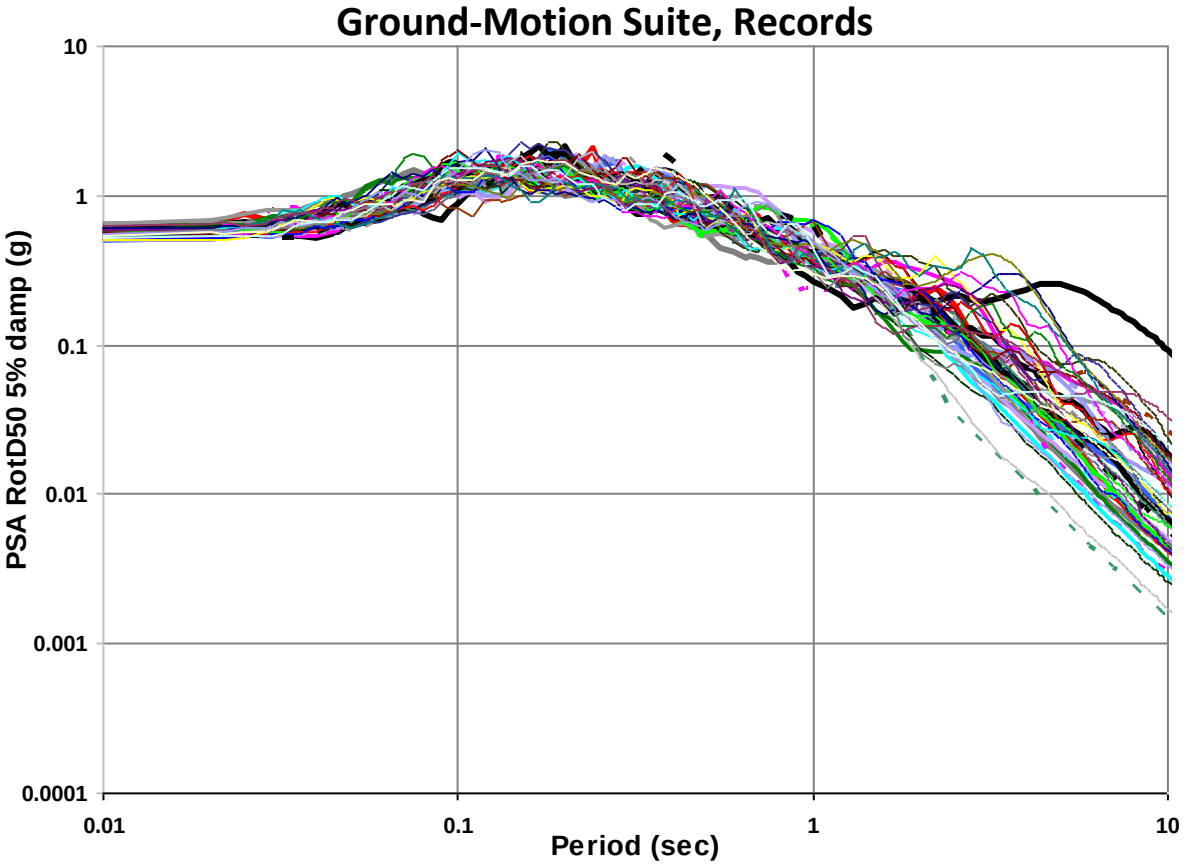
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.97	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.21	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.52	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.99	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.42	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.94	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
291	Irpinia, Italy-01 Rionero In Vulture 1980	6.9	27	574.88	Normal	18.3	3.83	RSN291_ITALY_A-VLT000.AT2 RSN291_ITALY_A-VLT270.AT2 RSN291_ITALY_A-VLT-UP.AT2
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	2.24	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.1	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.34	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	3.1	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.48	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

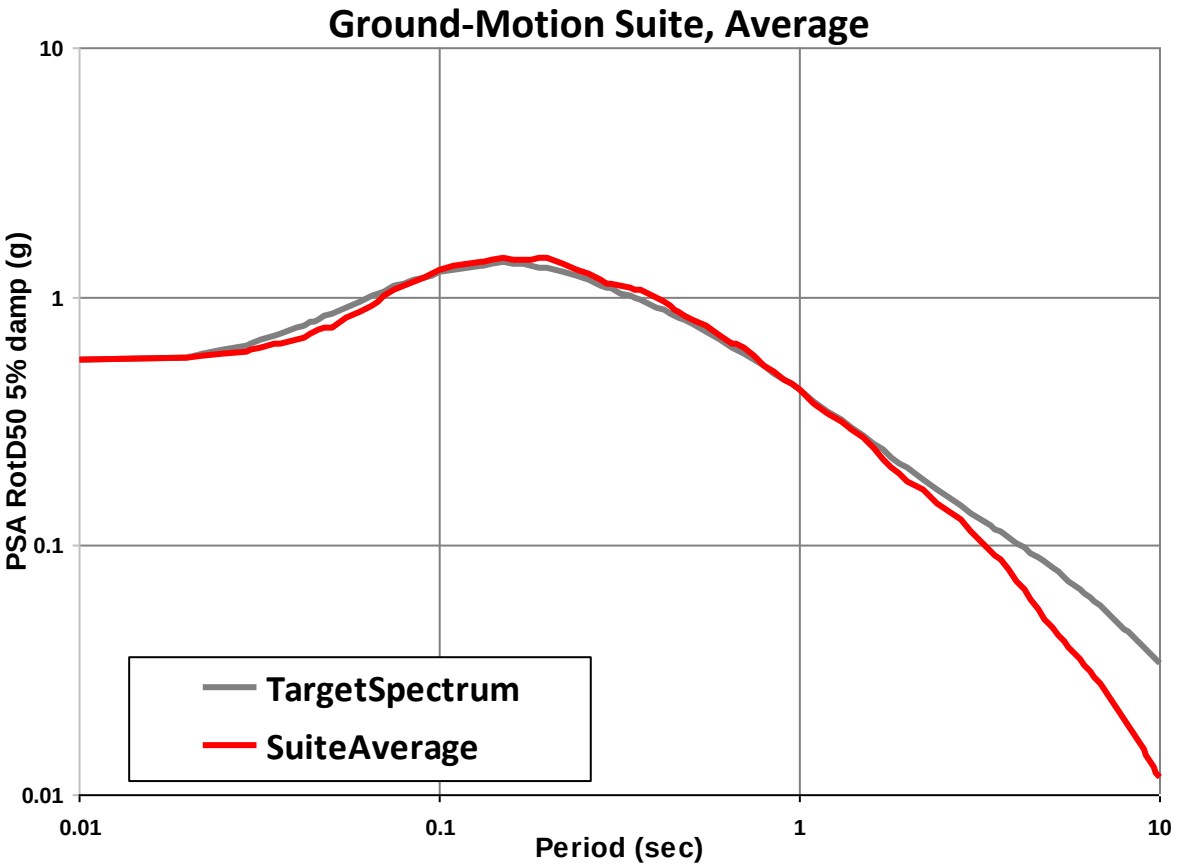
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.23	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.43	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.22	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	2.72	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.61	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.37	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.73	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	2.61	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	0.97	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	3.27	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	1.94	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.42	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.94	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.82	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.65	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	3.82	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	3.61	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.29	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.82	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.35	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.78	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	2.42	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	1.47	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	2.88	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5275	Chuetsu-oki NIGH01 2007	6.8	16	480.4	Reverse	10.9	2.85	RSN5275_CHUETSU_NIGH01NS.AT2 RSN5275_CHUETSU_NIGH01EW.AT2 RSN5275_CHUETSU_NIGH01UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.08	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
5494	Iwate AKTH18 2008	6.9	47	431	Reverse	8.1	3.56	RSN5494_IWATE_AKTH18NS.AT2 RSN5494_IWATE_AKTH18EW.AT2 RSN5494_IWATE_AKTH18UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.4	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.86	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.33	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.69	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.76	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5776	Iwate Kami, Miyagi Miyazaki City 2008	6.9	25	477.55	Reverse	7.6	2.79	RSN5776_IWATE_54010NS.AT2 RSN5776_IWATE_54010EW.AT2 RSN5776_IWATE_54010UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.79	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	1.31	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	2.71	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.59	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**

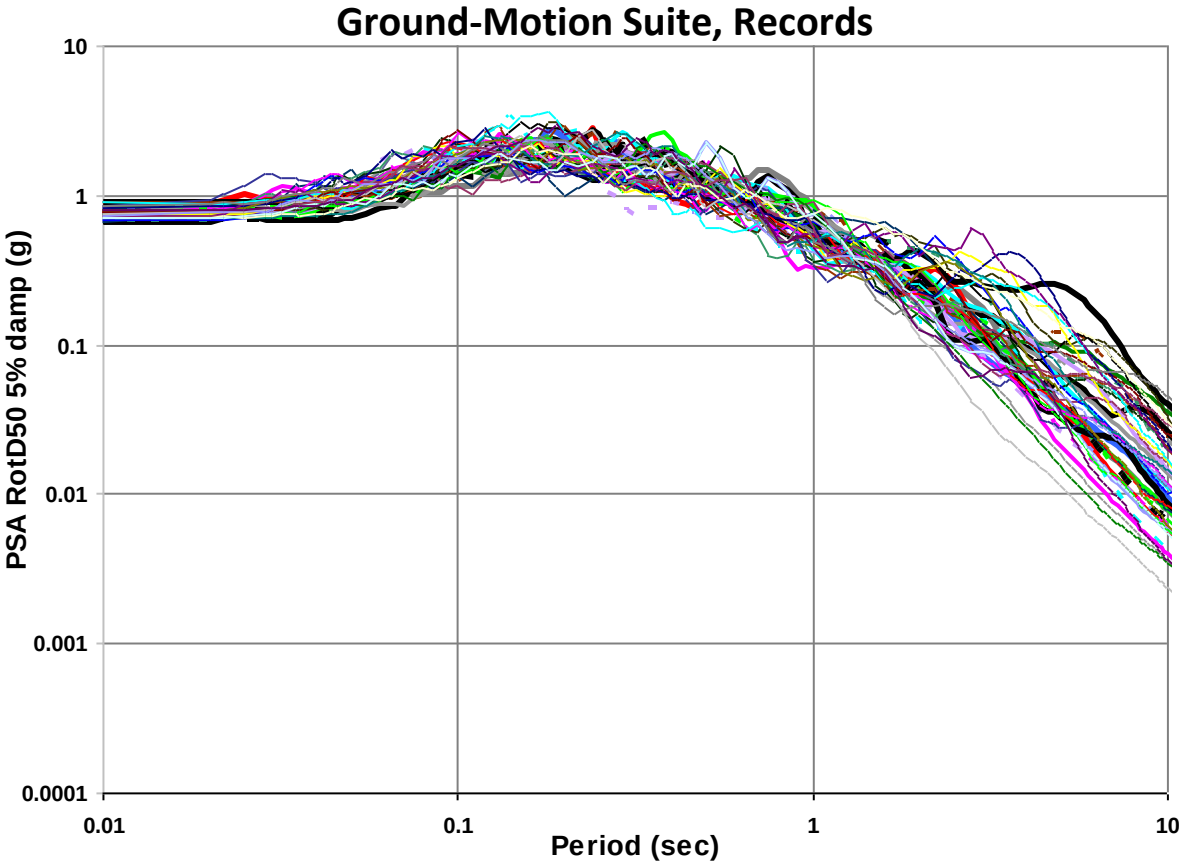
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	3.86	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.57	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	3.27	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.28	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	3.15	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.52	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	3.13	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	2.92	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.73	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	2.69	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.75	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	3.22	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

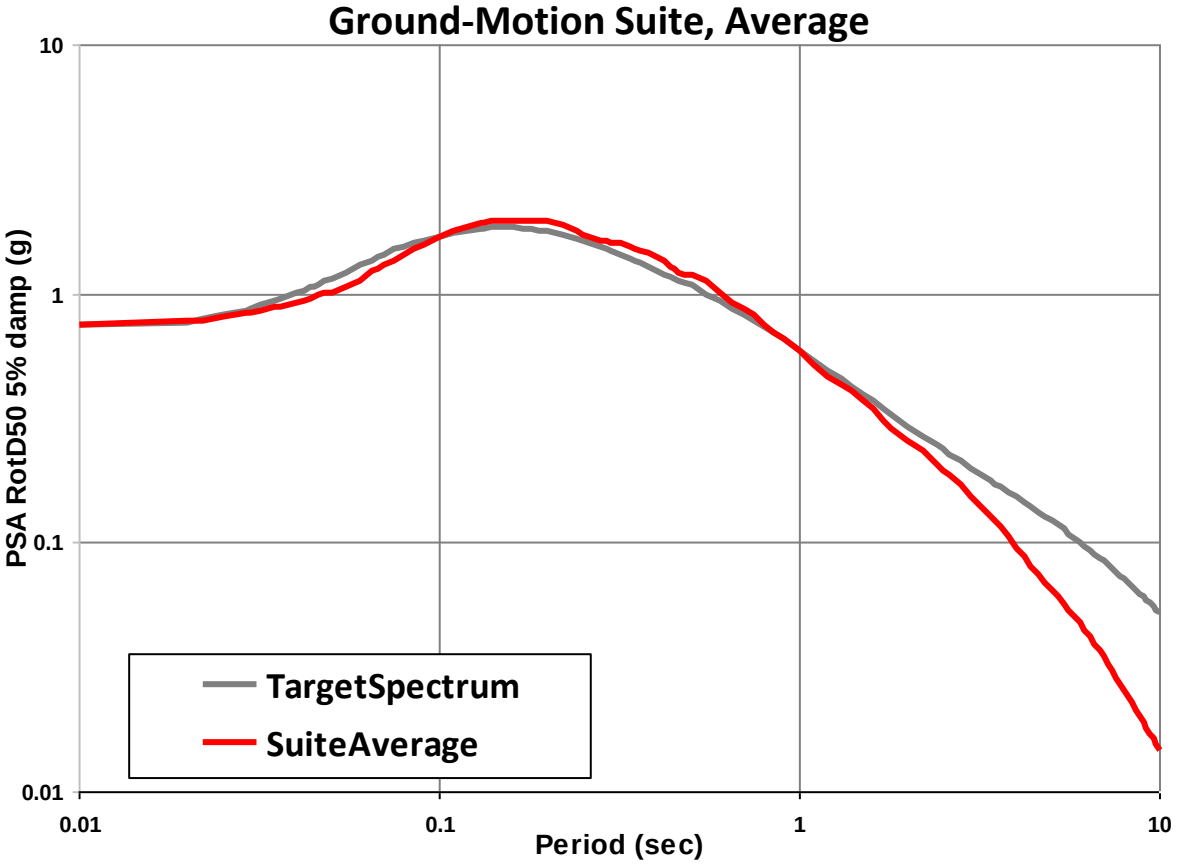
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.59	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.86	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.58	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	3.54	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.8	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	3.08	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.95	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	3.39	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	1.26	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	2.52	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	3.14	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.22	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	3.66	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	1.72	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.14	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.68	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.07	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	3.06	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.02	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4848	Chuetsu-oki Joetsu Ogataku 2007	6.8	17	414.23	Reverse	4.9	2.14	RSN4848_CHUETSU_65011NS.AT2 RSN4848_CHUETSU_65011EW.AT2 RSN4848_CHUETSU_65011UD.AT2
4858	Chuetsu-oki Tokamachi Chitosecho 2007	6.8	25	640.14	Reverse	4.3	2.36	RSN4858_CHUETSU_65028NS.AT2 RSN4858_CHUETSU_65028EW.AT2 RSN4858_CHUETSU_65028UD.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	3.14	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	1.91	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	3.75	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5275	Chuetsu-oki NIGH01 2007	6.8	16	480.4	Reverse	10.9	3.71	RSN5275_CHUETSU_NIGH01NS.AT2 RSN5275_CHUETSU_NIGH01EW.AT2 RSN5275_CHUETSU_NIGH01UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.4	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.81	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.12	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.43	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.2	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	2.93	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.29	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5776	Iwate Kami, Miyagi Miyazaki City 2008	6.9	25	477.55	Reverse	7.6	3.63	RSN5776_IWATE_54010NS.AT2 RSN5776_IWATE_54010EW.AT2 RSN5776_IWATE_54010UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.33	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	1.7	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	3.51	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	2.07	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**03 SanFrancisco**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	03 SanFrancisco
Site Vs30 (m/s)	760
Return Period (yr)	2500

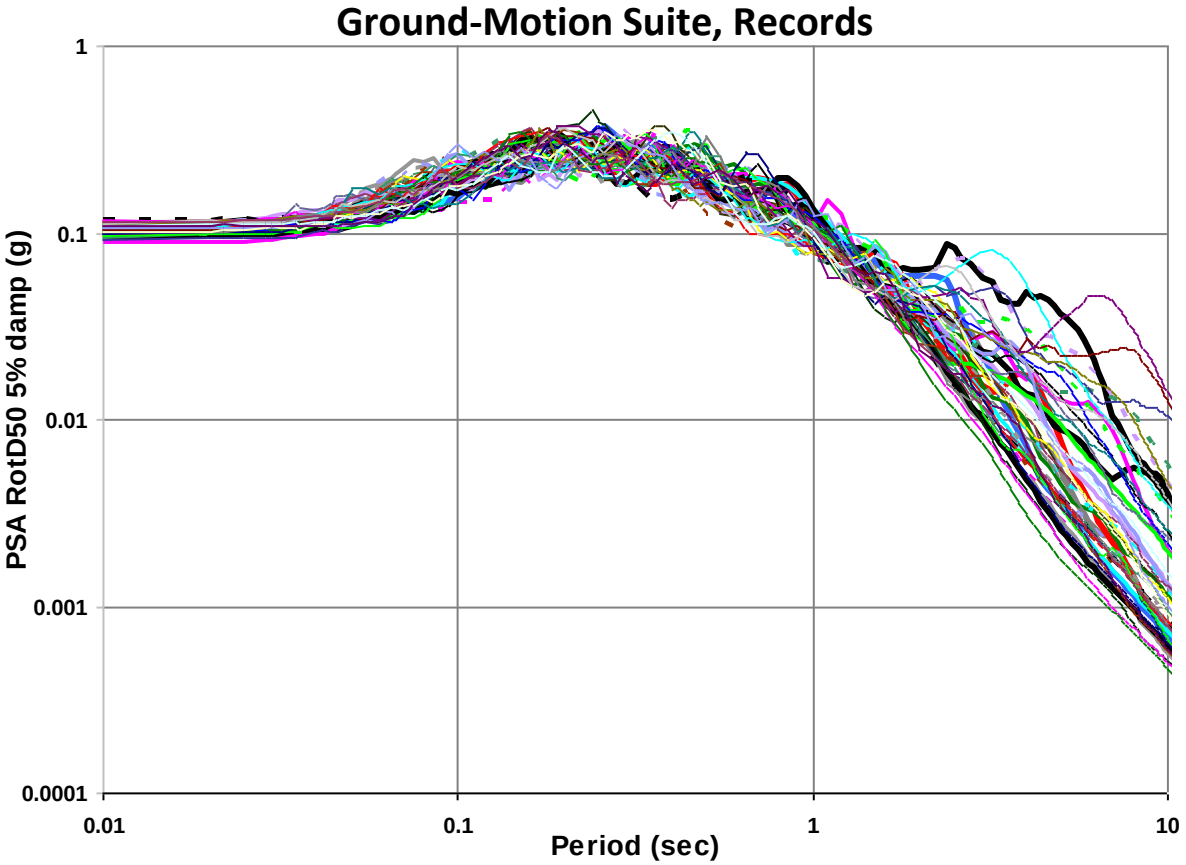
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	2.78	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	2.15	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
143	Tabas, Iran Tabas 1978	7.35	2	766.77	Reverse	8	0.8	RSN143_TABAS_TAB-L1.AT2 RSN143_TABAS_TAB-T1.AT2 RSN143_TABAS_TAB-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.76	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	3.46	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	3.86	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	3.74	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	3.68	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.39	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	2.19	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.54	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	1.89	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2

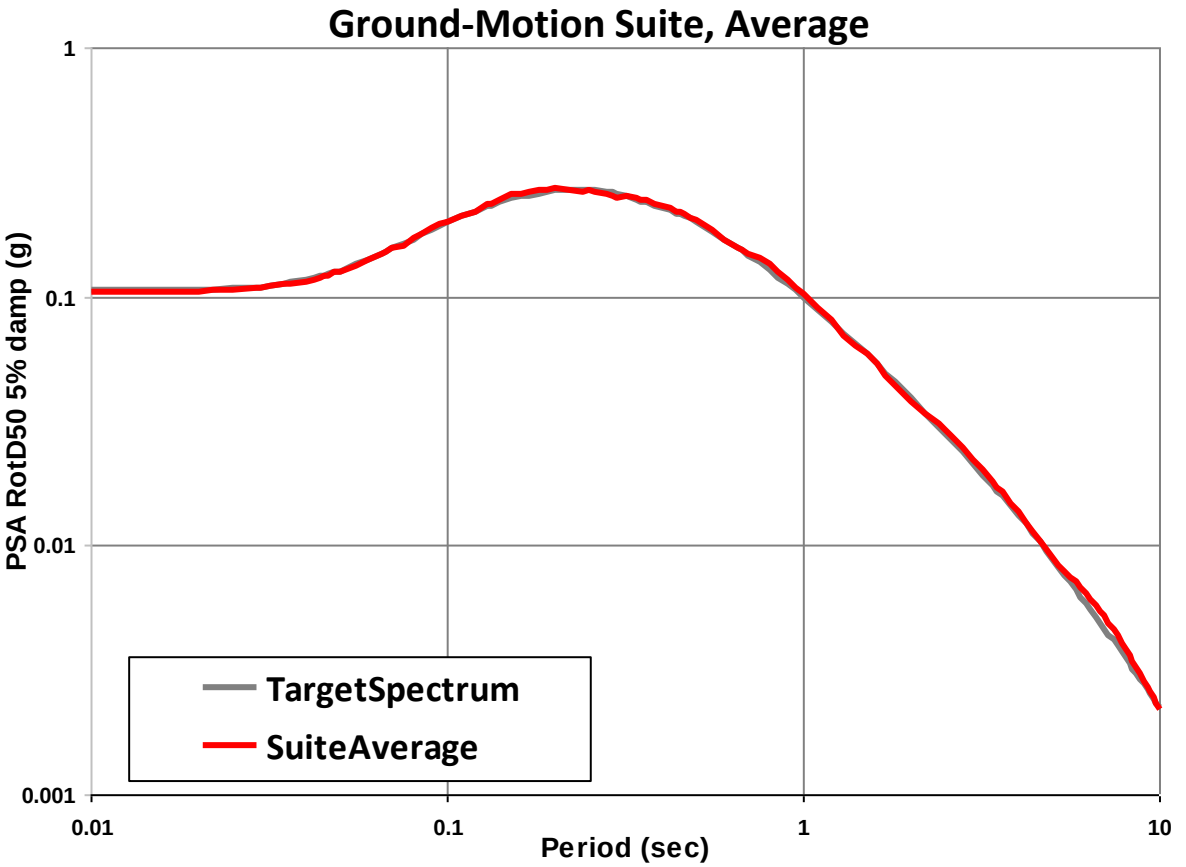
Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
990	Northridge-01 LA - City Terrace 1994	6.69	35	365.22	Reverse	6	2.92	RSN990_NORTHR_LAC090.AT2 RSN990_NORTHR_LAC180.AT2 RSN990_NORTHR_LAC-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.96	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	2.17	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1507	Chi-Chi, Taiwan TCU071 1999	7.62	0	624.85	Reverse O	15.6	1.15	RSN1507_CHICHI_TCU071-E.AT2 RSN1507_CHICHI_TCU071-N.AT2 RSN1507_CHICHI_TCU071-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	1.09	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.3	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	1.73	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	2.16	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	3.46	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.67	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	2.12	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	2.75	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	2.36	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.93	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	2.3	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.91	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.46	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.39	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4483	L'Aquila, Italy L'Aquila - Parking 2009	6.3	0	717	Normal	5	1.93	RSN4483_L-AQUILA_AM043XTE.AT2 RSN4483_L-AQUILA_AM043YLN.AT2 RSN4483_L-AQUILA_AM043ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	2.18	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.9	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4848	Chuetsu-oki Joetsu Ogataku 2007	6.8	17	414.23	Reverse	4.9	2.93	RSN4848_CHUETSU_65011NS.AT2 RSN4848_CHUETSU_65011EW.AT2 RSN4848_CHUETSU_65011UD.AT2
4852	Chuetsu-oki Joetsu, Aramaki District 2007	6.8	30	605.71	Reverse	3.7	3.85	RSN4852_CHUETSU_65018NS.AT2 RSN4852_CHUETSU_65018EW.AT2 RSN4852_CHUETSU_65018UD.AT2
4858	Chuetsu-oki Tokamachi Chitosecho 2007	6.8	25	640.14	Reverse	4.3	3.24	RSN4858_CHUETSU_65028NS.AT2 RSN4858_CHUETSU_65028EW.AT2 RSN4858_CHUETSU_65028UD.AT2
4873	Chuetsu-oki Kashiwazaki City Takayanagicho 2007	6.8	10	561.59	Reverse	3.5	1.51	RSN4873_CHUETSU_65056NS.AT2 RSN4873_CHUETSU_65056EW.AT2 RSN4873_CHUETSU_65056UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	2.62	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2

Site	03 SanFrancisco							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.92	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.48	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.53	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.58	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5663	Iwate MYG004 2008	6.9	20	479.37	Reverse	7	1.21	RSN5663_IWATE_MYG004NS.AT2 RSN5663_IWATE_MYG004EW.AT2 RSN5663_IWATE_MYG004UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	3.02	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	3.13	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	3.19	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	2.32	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
5815	Iwate Yuzawa 2008	6.9	22	655.45	Reverse	7.2	3.55	RSN5815_IWATE_44BC1NS.AT2 RSN5815_IWATE_44BC1EW.AT2 RSN5815_IWATE_44BC1UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	2.83	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	2.72	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	2.34	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	0.4	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.29	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.48	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.31	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
147	Coyote Lake Gilroy Array #2 1979	5.74	8	270.84	strike slip	1.4	0.4	RSN147_COYOTELK_G02050.AT2 RSN147_COYOTELK_G02140.AT2 RSN147_COYOTELK_G02-UP.AT2
154	Coyote Lake San Juan Bautista, 24 Polk St 1979	5.74	19	335.5	strike slip	6.1	1.14	RSN154_COYOTELK_SJB213.AT2 RSN154_COYOTELK_SJB303.AT2 RSN154_COYOTELK_SJB-UP.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.45	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.52	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.62	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.5	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.4	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A

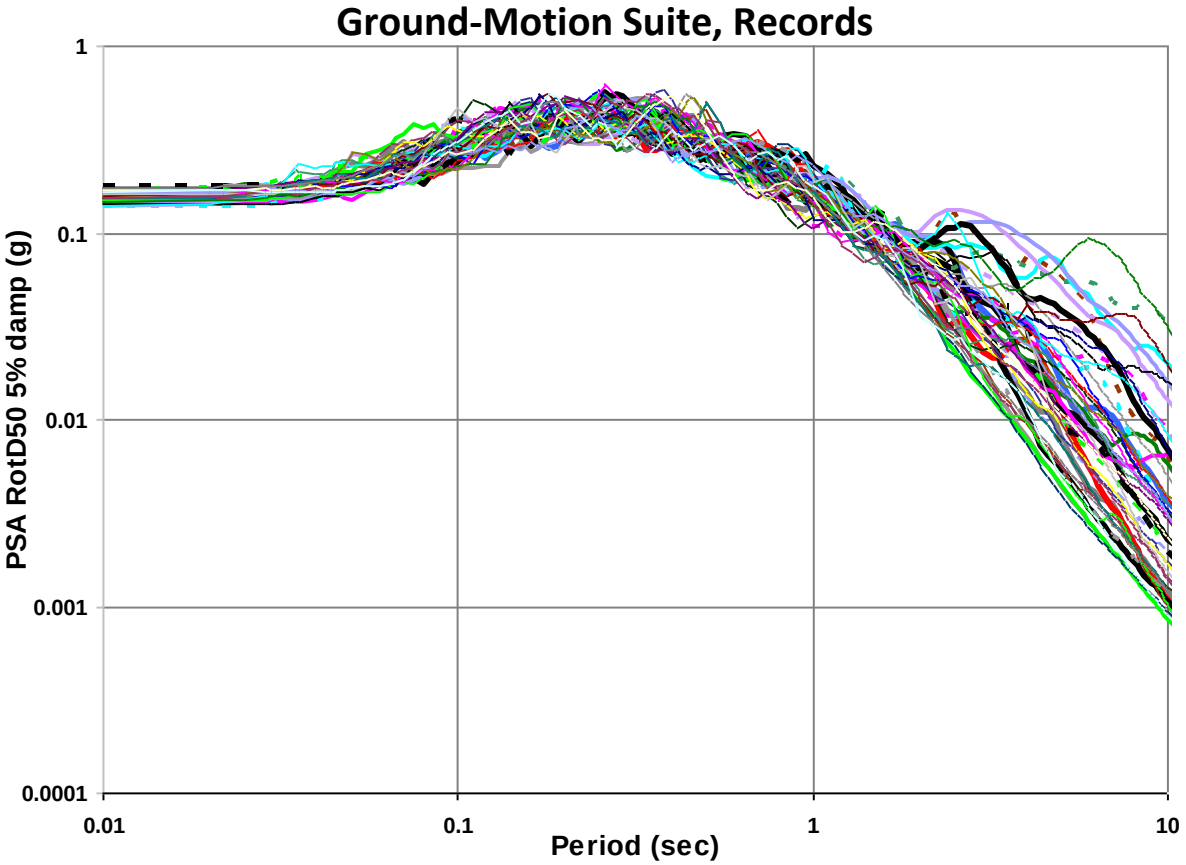
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.65	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	0.62	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A
457	Morgan Hill Gilroy Array #3 1984	6.19	13	349.85	strike slip	6.5	0.58	RSN457_MORGAN_G03000.AT2 RSN457_MORGAN_G03090.AT2 RSN457_MORGAN_G03-UP.AT2
524	N. Palm Springs Joshua Tree 1986	6.06	23	379.32	Reverse O	6.2	1.77	RSN524_PALMSPR_JOS000.AT2 RSN524_PALMSPR_JOS090.AT2 RSN524_PALMSPR_JOS-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.49	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	1.69	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
634	Whittier Narrows-01 LA - Fletcher Dr 1987	5.99	11	329.06	Reverse O	2.8	0.5	RSN634_WHITTIER.A_A-FLE144.AT2 RSN634_WHITTIER.A_A-FLE234.AT2 RSN634_WHITTIER.A_A-FLE-UP.AT2
674	Whittier Narrows-01 Pasadena - Brown Gym 1987	5.99	4	341.14	Reverse O	3.3	0.7	RSN674_WHITTIER.A_A-BRG180.AT2 RSN674_WHITTIER.A_A-BRG270.AT2 RSN674_WHITTIER.A_A-BRG-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.33	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.93	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.59	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	0.95	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.64	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2

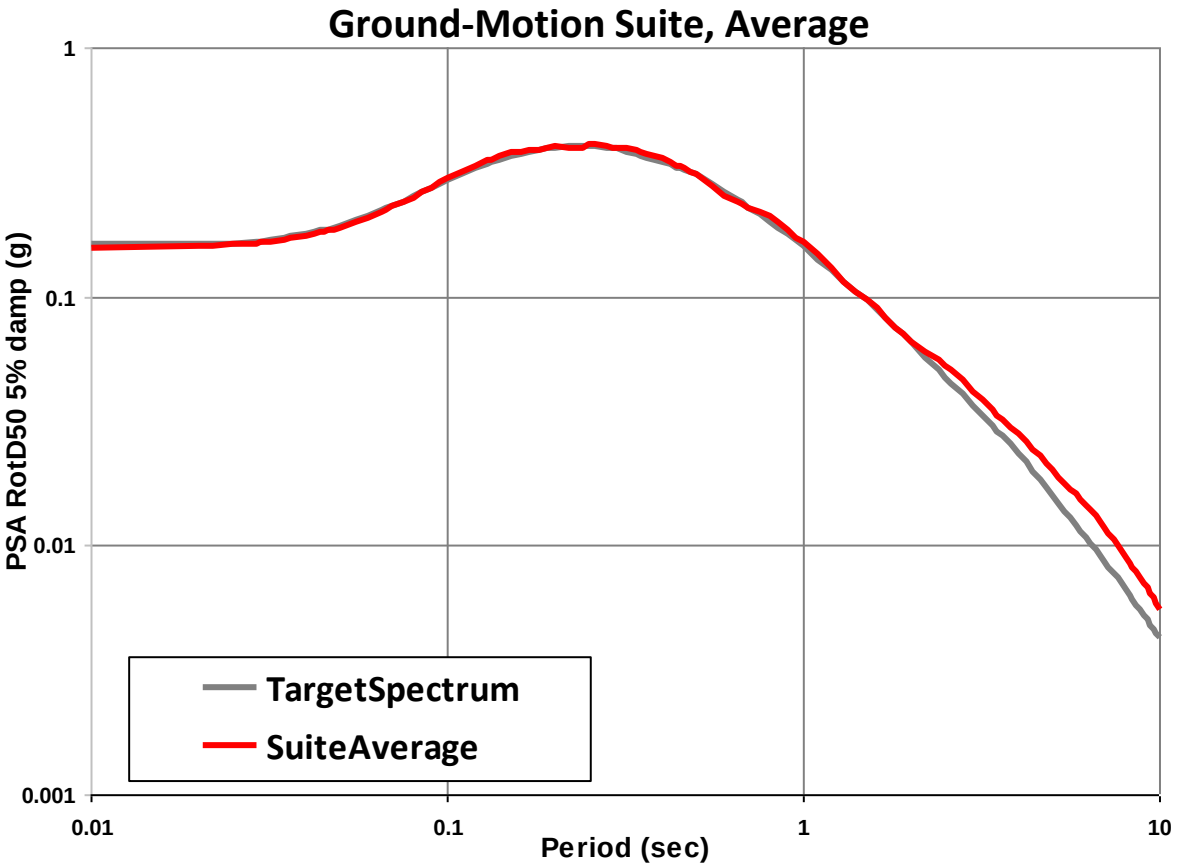
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.8	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.37	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.54	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.31	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	0.79	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.83	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3710	Whittier Narrows-02 LA - E Vernon Ave 1987	5.27	12	283.14	Reverse O	4.7	1.03	RSN3710_WHITTIER.B_B-VER083.AT2 RSN3710_WHITTIER.B_B-VER173.AT2 RSN3710_WHITTIER.B_B-VER-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.62	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.4	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.42	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.39	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4129	Parkfield-02, CA PARKFIELD - TEMBLOR 2004	6	12	524.69	strike slip	3.6	1.08	RSN4129_PARK2004_36510-90.AT2 RSN4129_PARK2004_36510360.AT2 RSN4129_PARK2004_36510-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.34	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2

Site	04 SanJose
Site Vs30 (m/s)	270
Return Period (yr)	15

4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	2.02	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.37	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.3	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5776	Iwate Kami, Miyagi Miyazaki City 2008	6.9	25	477.55	Reverse	7.6	0.72	RSN5776_IWATE_54010NS.AT2 RSN5776_IWATE_54010EW.AT2 RSN5776_IWATE_54010UD.AT2
5990	El Mayor-Cucapah El Centro Array #7 2010	7.2	27	210.51	strike slip	16.5	0.42	RSN5990_SIERRA.MEX_E07360.AT2 RSN5990_SIERRA.MEX_E07090.AT2 RSN5990_SIERRA.MEX_E07-UP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.65	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
6965	Darfield, New Zealand SBRC 2010	7	21	263.2	strike slip	13.7	0.68	RSN6965_DARFIELD_SBRCS31E.AT2 RSN6965_DARFIELD_SBRCS59W.AT2 RSN6965_DARFIELD_SBRCUP.AT2
8062	Christchurch, New Zealand Canterbury Aero Club 2011	6.2	14	280.26	Reverse O	3.8	0.58	RSN8062_CCHURCH_CACSN40E.AT2 RSN8062_CCHURCH_CACSN50W.AT2 RSN8062_CCHURCH_CACSUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.39	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.86	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	1.08	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

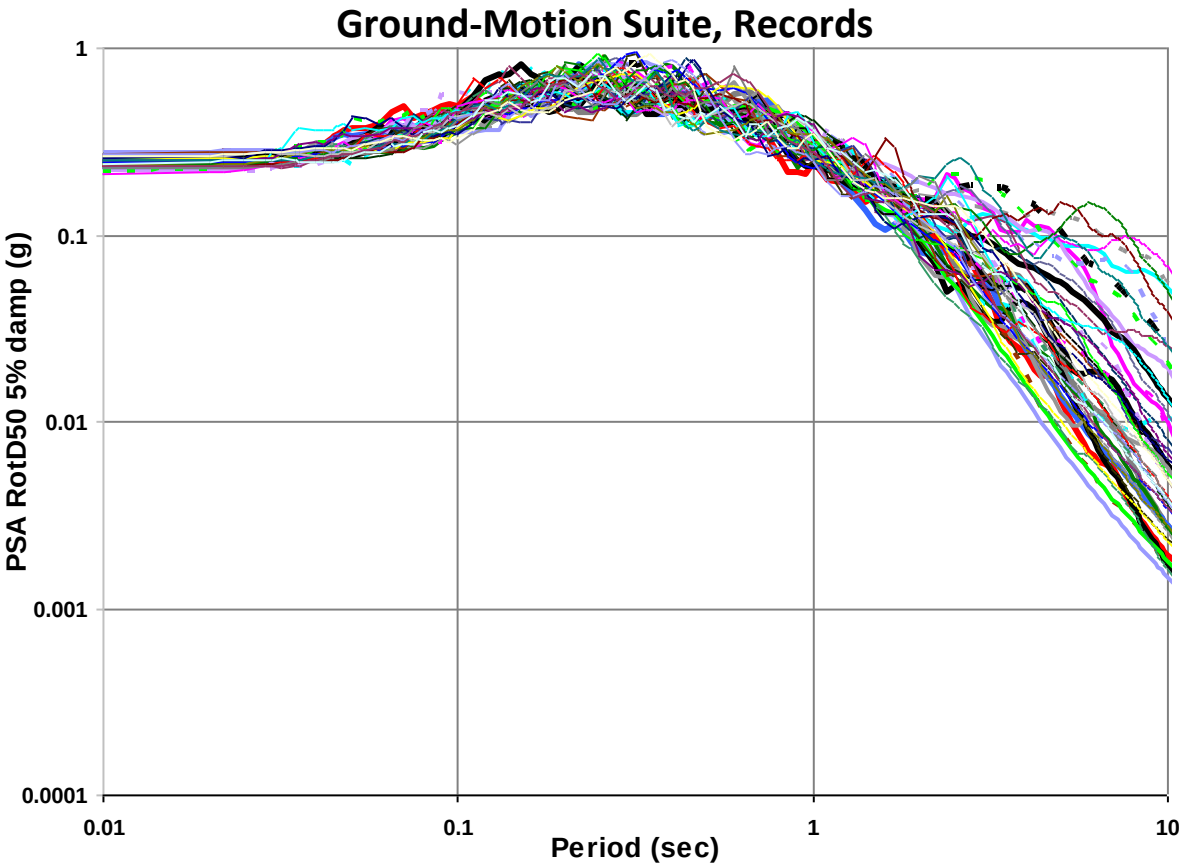
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	3.59	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.44	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.73	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.47	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.69	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
163	Imperial Valley-06 Calipatria Fire Station 1979	6.53	23	205.78	strike slip	11.9	1.63	RSN163_IMPVALL.H_H-CAL225.AT2 RSN163_IMPVALL.H_H-CAL315.AT2 RSN163_IMPVALL.H_H-CAL-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.8	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.34	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.35	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.62	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.95	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	2.14	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A

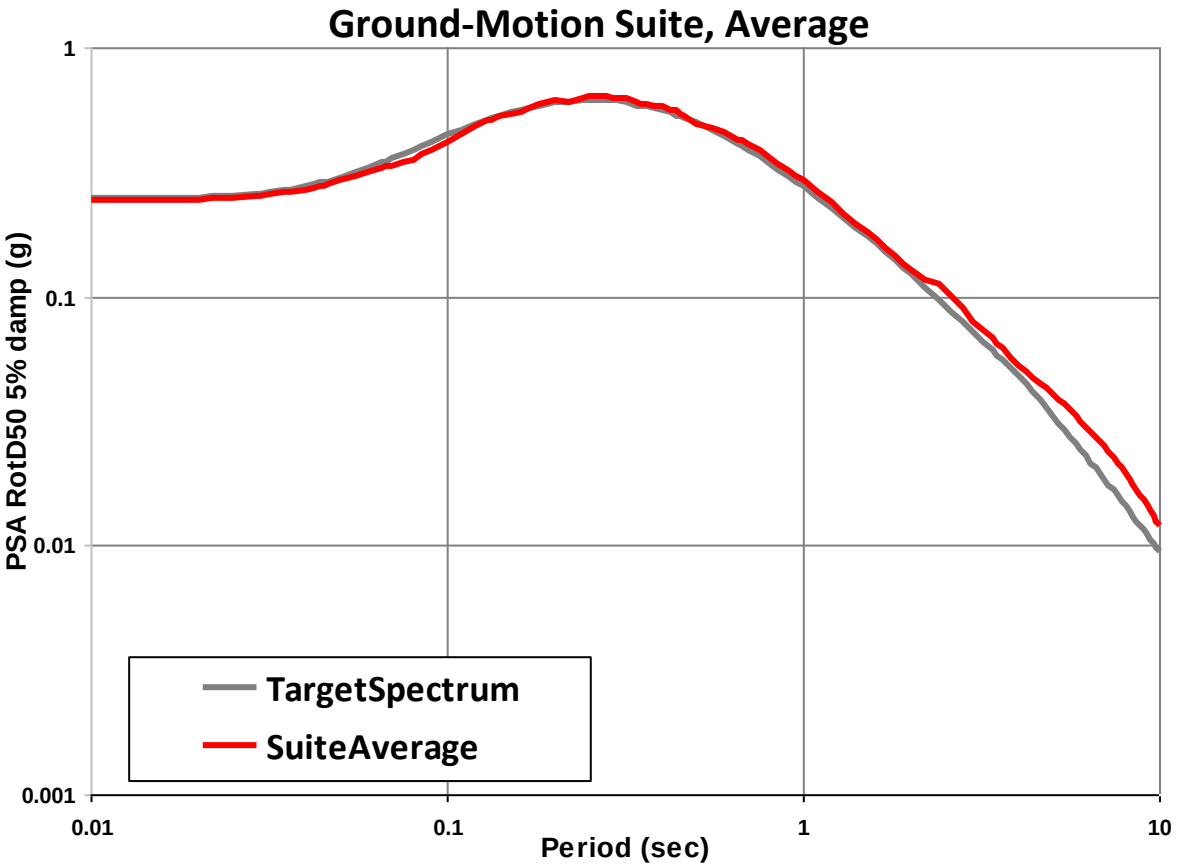
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	2.52	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
524	N. Palm Springs Joshua Tree 1986	6.06	23	379.32	Reverse O	6.2	2.71	RSN524_PALMSPR_JOS000.AT2 RSN524_PALMSPR_JOS090.AT2 RSN524_PALMSPR_JOS-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.75	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	2.59	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
767	Loma Prieta Gilroy Array #3 1989	6.93	12	349.85	Reverse O	2.3	0.34	RSN767_LOMAP_G03000.AT2 RSN767_LOMAP_G03090.AT2 RSN767_LOMAP_G03-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.5	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.5	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	1.43	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.91	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.17	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.45	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.45	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.99	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.58	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.37	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.23	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.56	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.82	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.48	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	1.21	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	1.28	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.95	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.37	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.61	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.64	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.6	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.52	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.57	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.45	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5818	Iwate Kurihara City 2008	6.9	13	512.26	Reverse	6.4	0.28	RSN5818_IWATE_48A61NS.AT2 RSN5818_IWATE_48A61EW.AT2 RSN5818_IWATE_48A61UD.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.33	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5990	El Mayor-Cucapah El Centro Array #7 2010	7.2	27	210.51	strike slip	16.5	0.64	RSN5990_SIERRA.MEX_E07360.AT2 RSN5990_SIERRA.MEX_E07090.AT2 RSN5990_SIERRA.MEX_E07-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.6	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	1	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.6	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	1.31	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	1.65	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

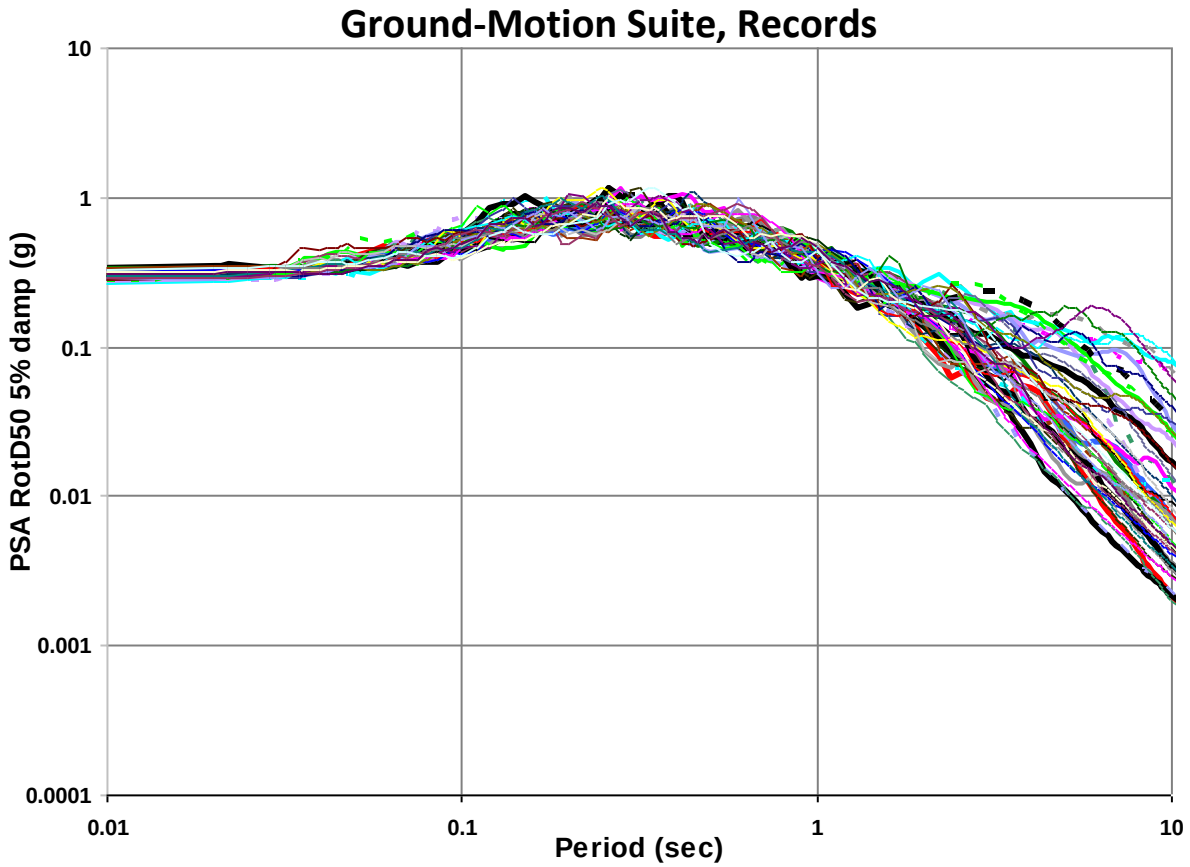
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1.17	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.24	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.28	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.72	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.54	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.55	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.99	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.02	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.37	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.2	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.96	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.44	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2

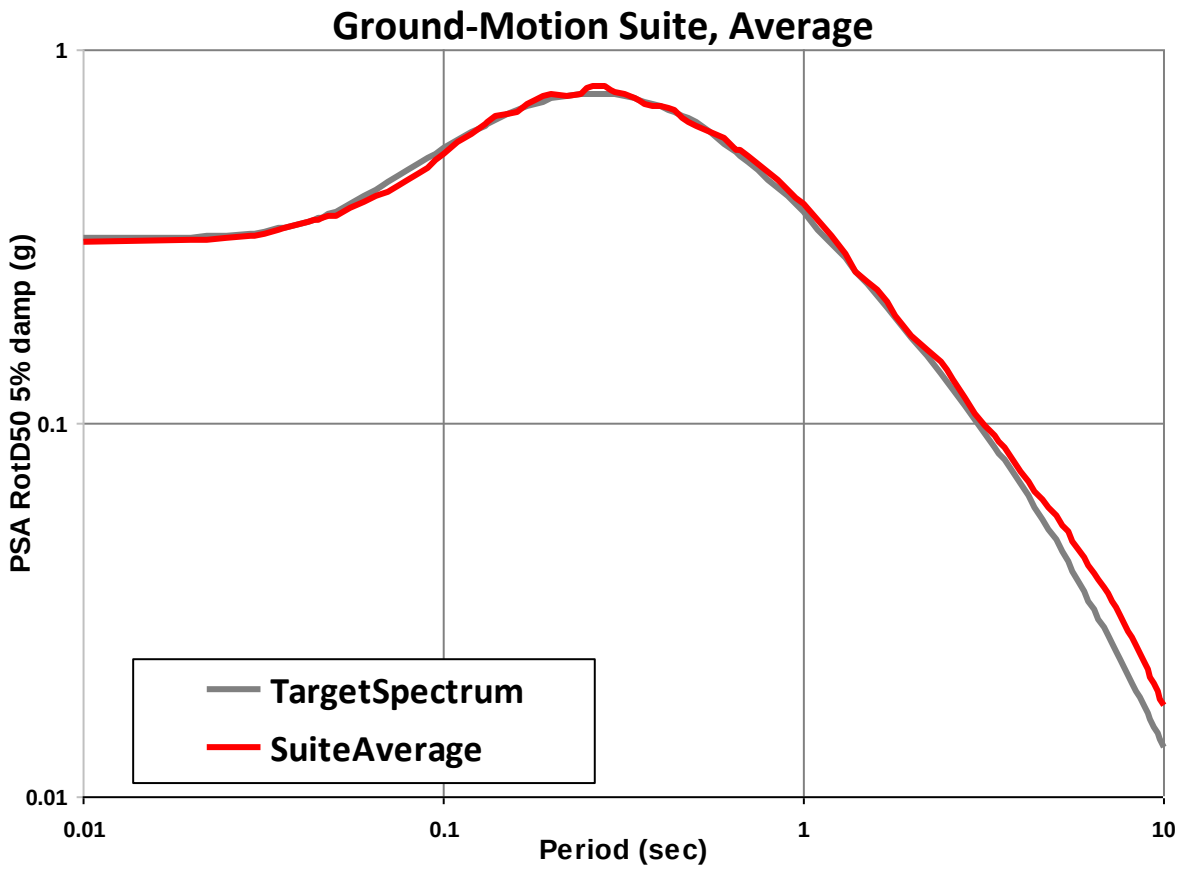
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
730	Spitak, Armenia Gukasian 1988	6.77	24	343.53	Reverse O	5.1	1.31	RSN730_SPITAK_GUK000.AT2 RSN730_SPITAK_GUK090.AT2 RSN730_SPITAK_GUK-UP.AT2
737	Loma Prieta Agnews State Hospital 1989	6.93	24	239.69	Reverse O	8.2	1.53	RSN737_LOMAP_AGW000.AT2 RSN737_LOMAP_AGW090.AT2 RSN737_LOMAP_AGW-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.8	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.62	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.57	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.34	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.03	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	1.87	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	2.28	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.34	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.45	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.87	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	2.32	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.12	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.72	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.58	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.26	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.93	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.59	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.48	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.02	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.96	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.9	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.32	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	1.94	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.03	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.18	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.32	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	1.8	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.91	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.82	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.73	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.52	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.85	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.96	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

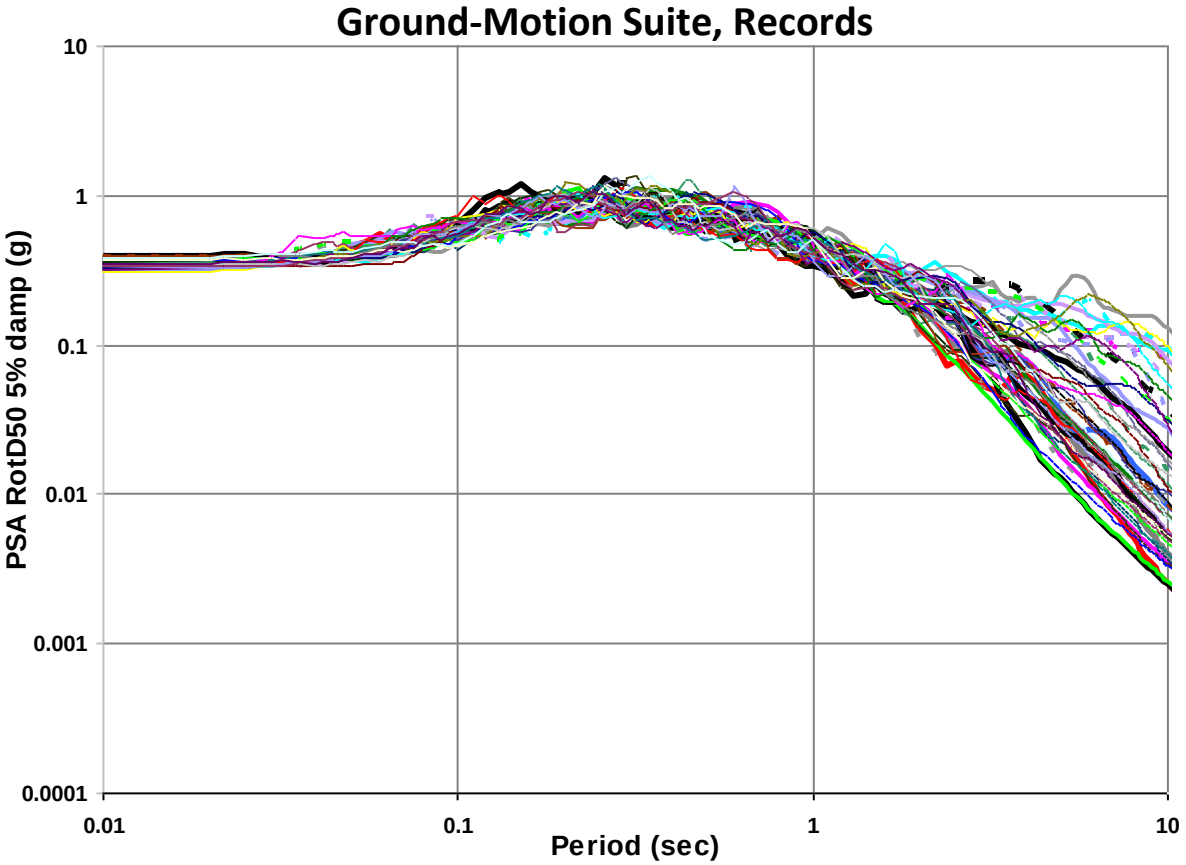
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.56	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.6	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.16	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.81	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.68	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.7	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.25	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.28	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.98	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.23	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.5	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.55	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2

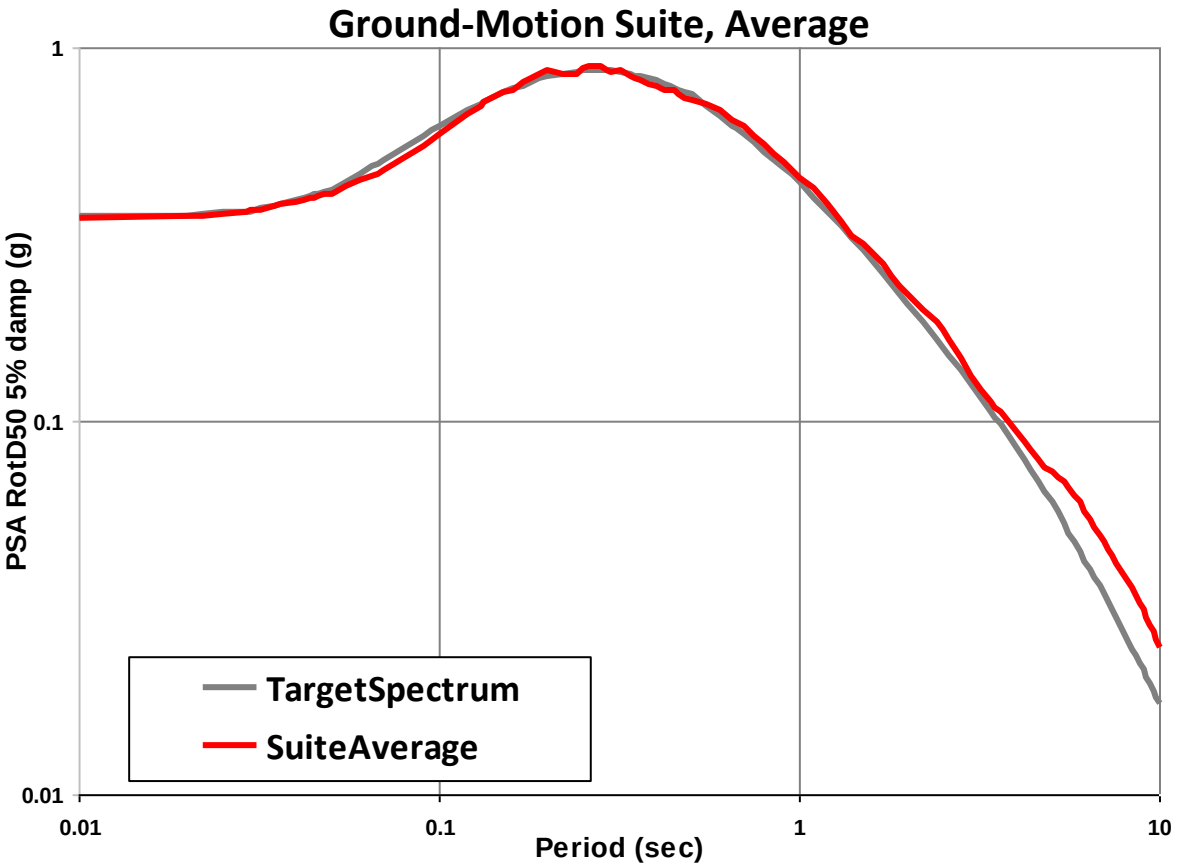
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
730	Spitak, Armenia Gukasian 1988	6.77	24	343.53	Reverse O	5.1	1.65	RSN730_SPITAK_GUK000.AT2 RSN730_SPITAK_GUK090.AT2 RSN730_SPITAK_GUK-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.78	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.72	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.62	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.43	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.3	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.35	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.83	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.36	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	2.91	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.41	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.9	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.49	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.98	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.58	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.16	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.47	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.74	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.6	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.28	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.13	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.65	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	2.44	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.29	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.48	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.4	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.27	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.38	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	1.14	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.03	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.91	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.25	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.66	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.07	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	1.47	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.21	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.21	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

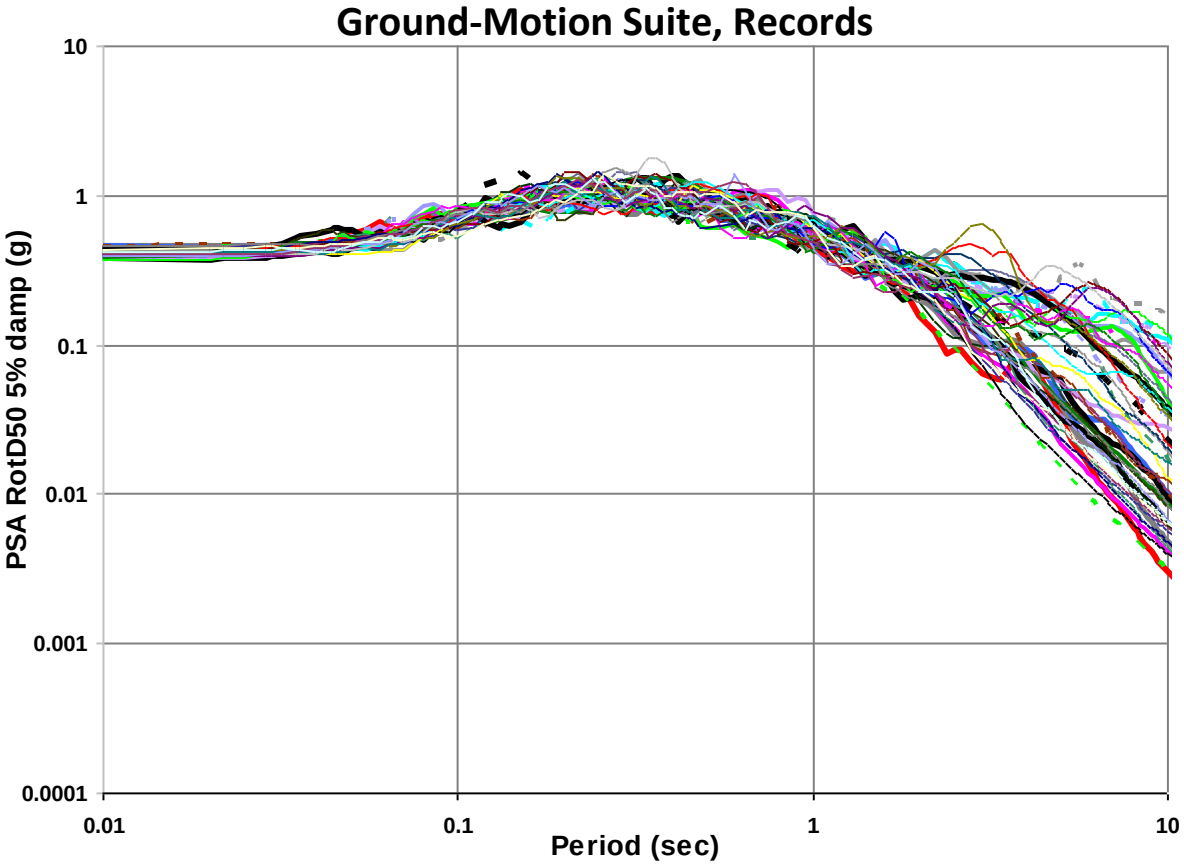
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.43	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	3.27	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.8	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.48	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.94	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.8	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.44	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.17	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.47	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	3.44	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.57	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.64	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2

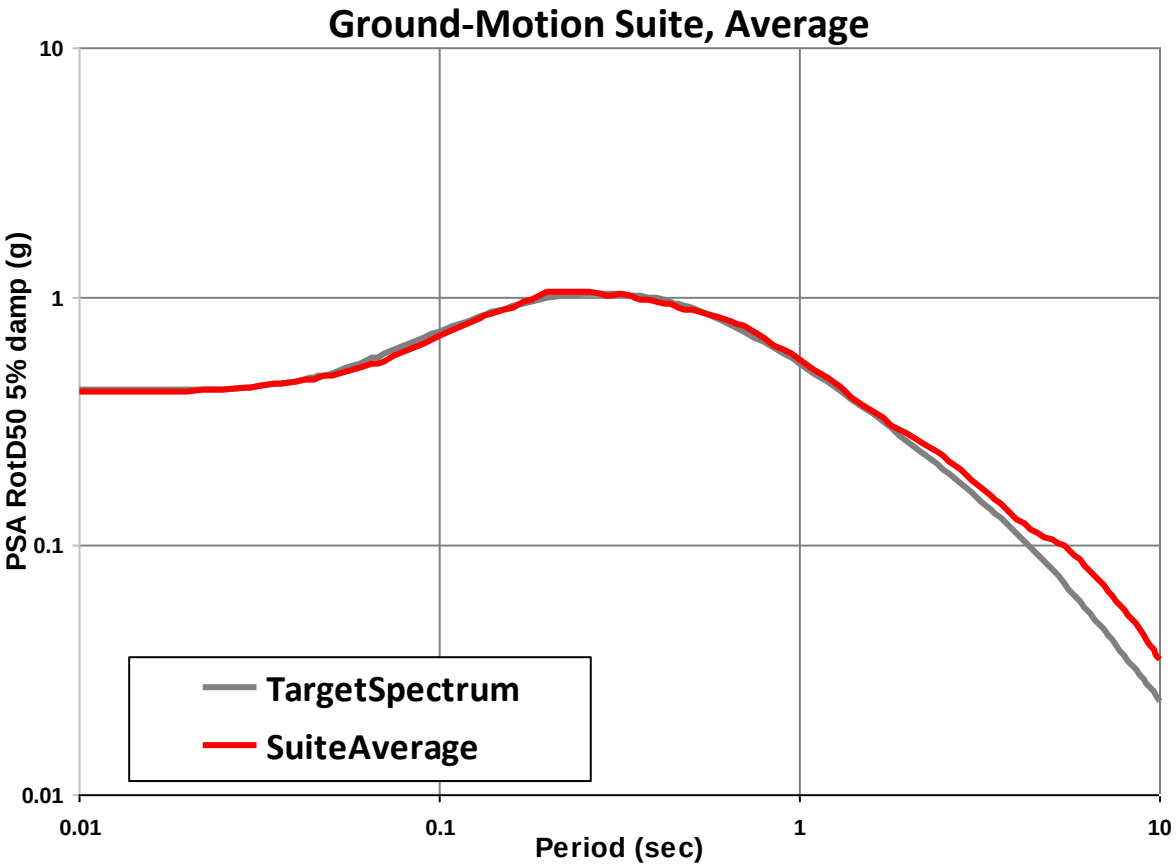
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.23	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	2.21	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.16	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.9	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.83	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.72	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.5	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.5	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.7	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	2.11	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.71	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	3.36	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.04	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.57	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.54	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.28	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.34	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.7	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	1.86	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	2.39	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.7	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.48	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.47	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.3	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.91	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	2.81	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.71	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.47	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.61	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.59	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.19	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.05	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.45	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.76	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.24	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	1.69	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.39	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.39	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

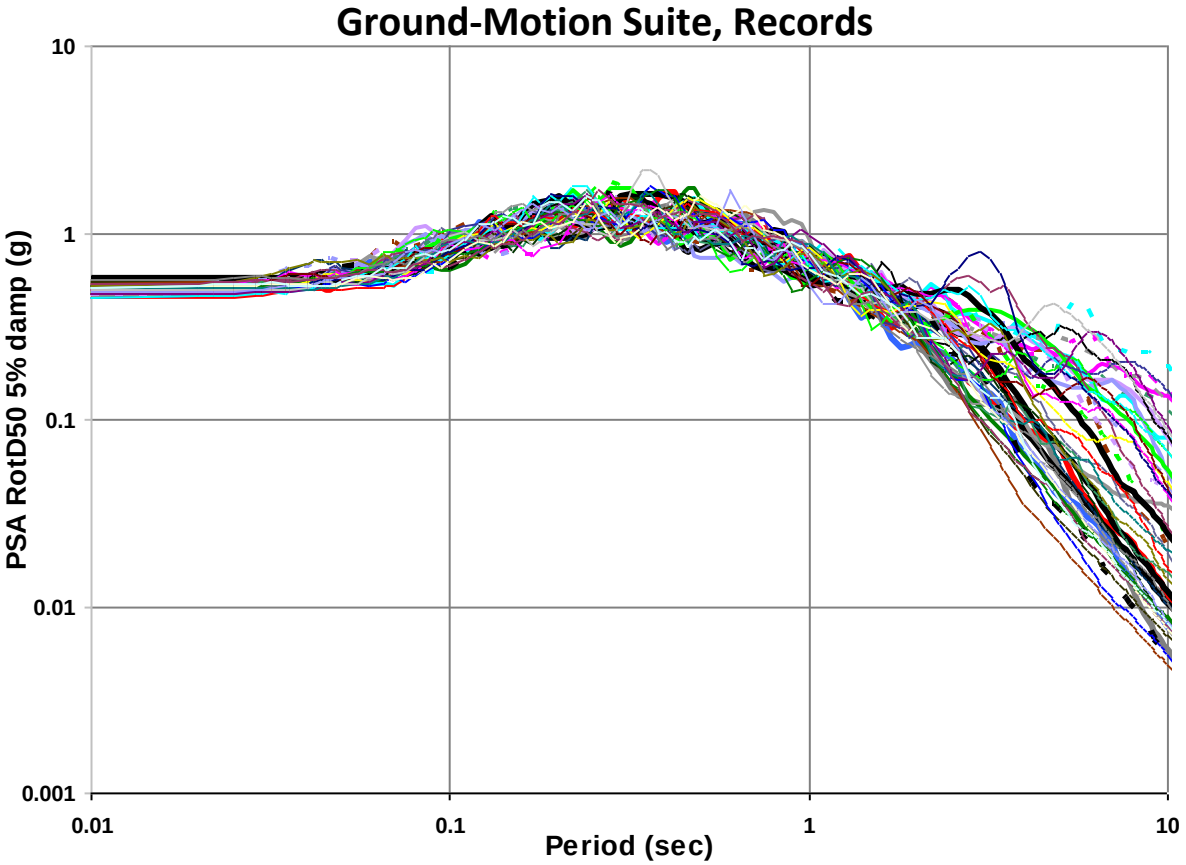
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.72	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	3.92	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.16	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.98	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.12	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.96	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.72	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.4	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.77	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	3.08	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.76	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.47	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2

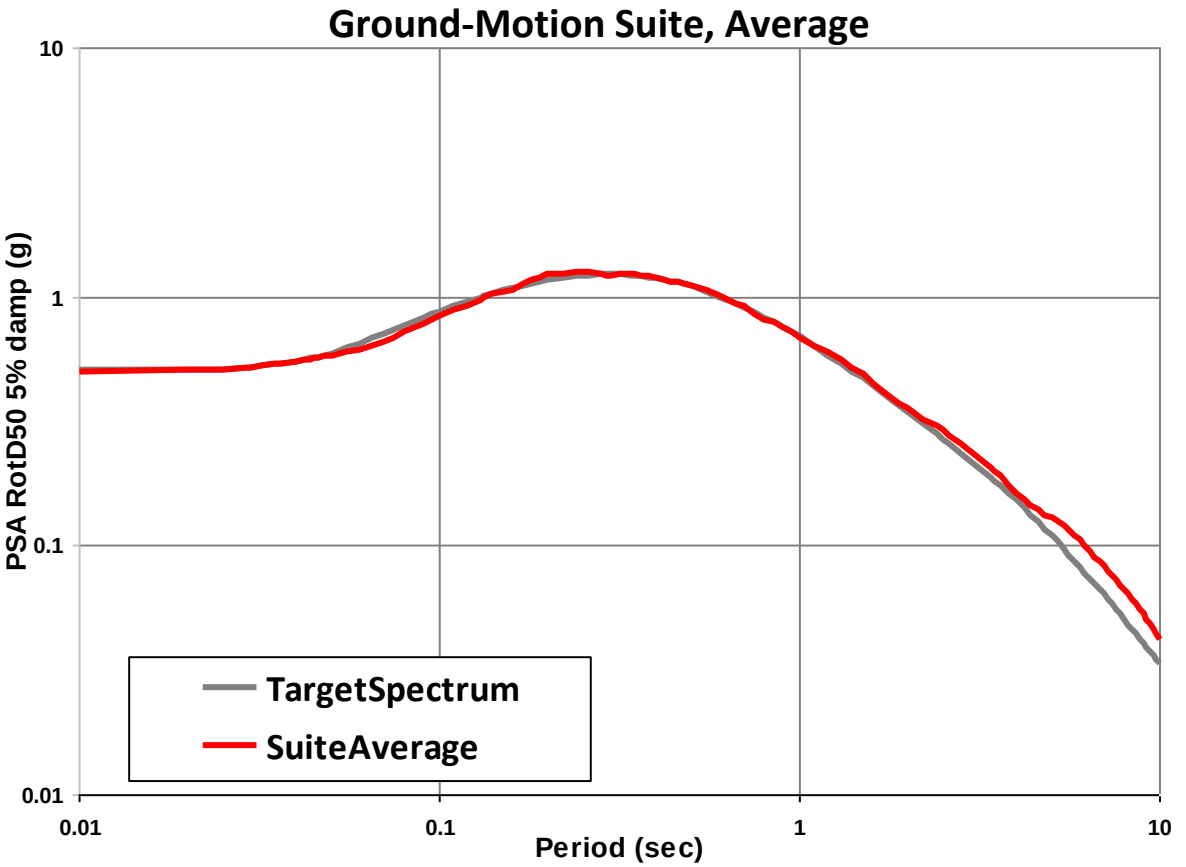
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.02	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	2.65	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.39	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.08	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.99	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.86	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.8	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	3.24	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	2.53	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	3.26	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.25	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.68	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.65	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.74	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.61	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.04	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.24	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	1.79	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	2.87	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	0.88	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.77	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.77	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.56	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.29	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.05	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.91	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.43	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.26	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	2.23	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.73	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.48	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	2.03	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.67	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.67	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.17	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.48	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

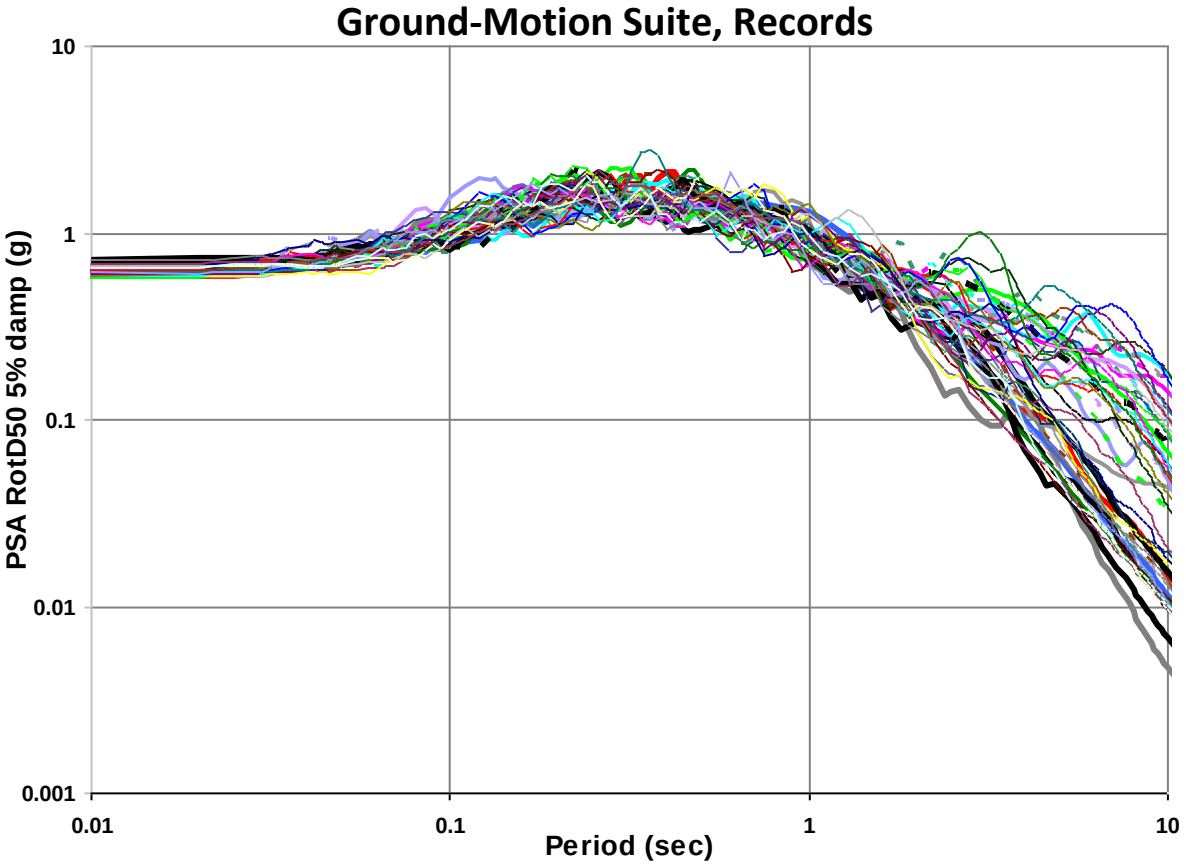
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.09	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.64	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	3.63	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.37	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.1	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.7	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	2.15	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	3.76	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.93	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.8	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.45	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.46	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2

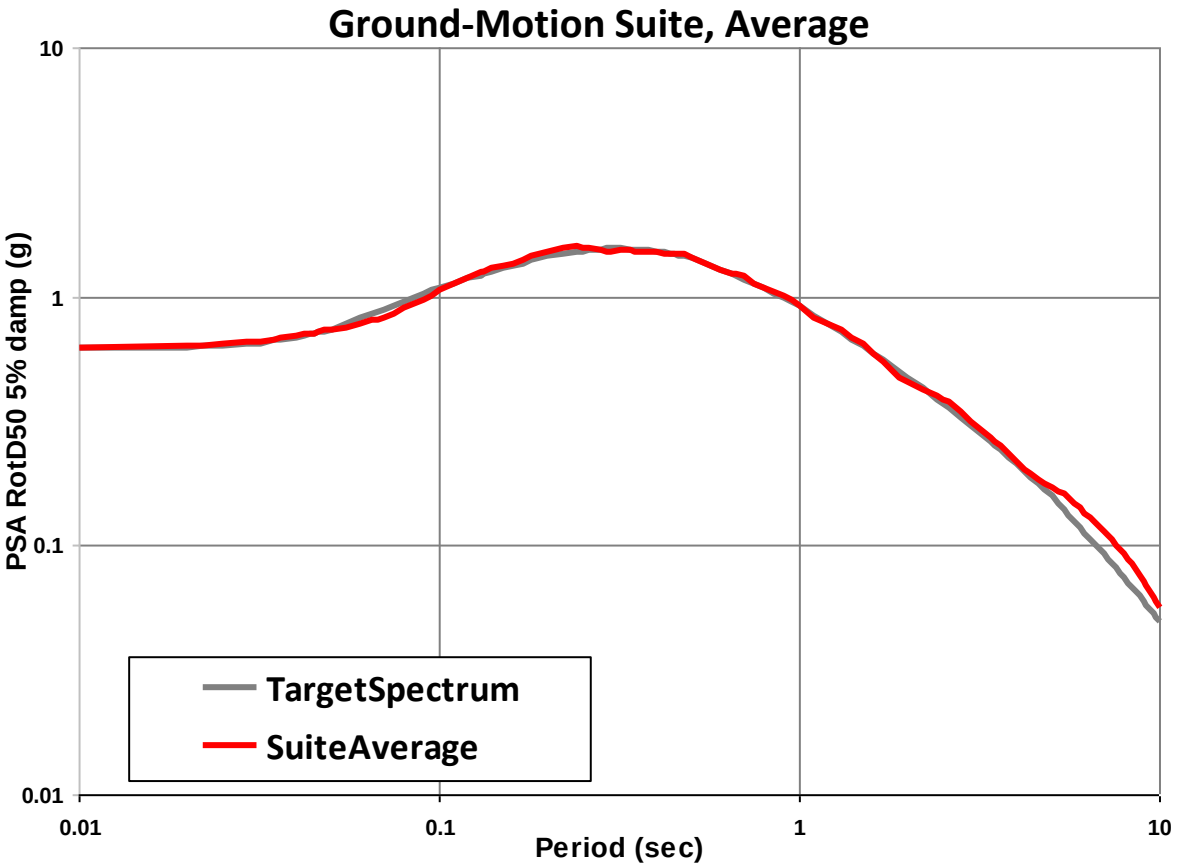
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	3.23	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.69	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.32	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.05	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	2.87	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.19	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	3.95	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.52	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.83	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.79	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	3.34	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.8	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.96	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.49	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.73	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	2.18	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	3.5	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.07	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2.16	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	2.15	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.79	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3757	Landers North Palm Springs Fire Sta #36 1992	7.28	27	367.84	strike slip	24	3.69	RSN3757_LANDERS_NPF090.AT2 RSN3757_LANDERS_NPF180.AT2 RSN3757_LANDERS_NPF-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.5	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.32	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.74	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.54	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	2.72	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.11	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.81	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	2.48	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	3.43	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.04	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.06	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	2.23	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.07	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.43	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.81	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

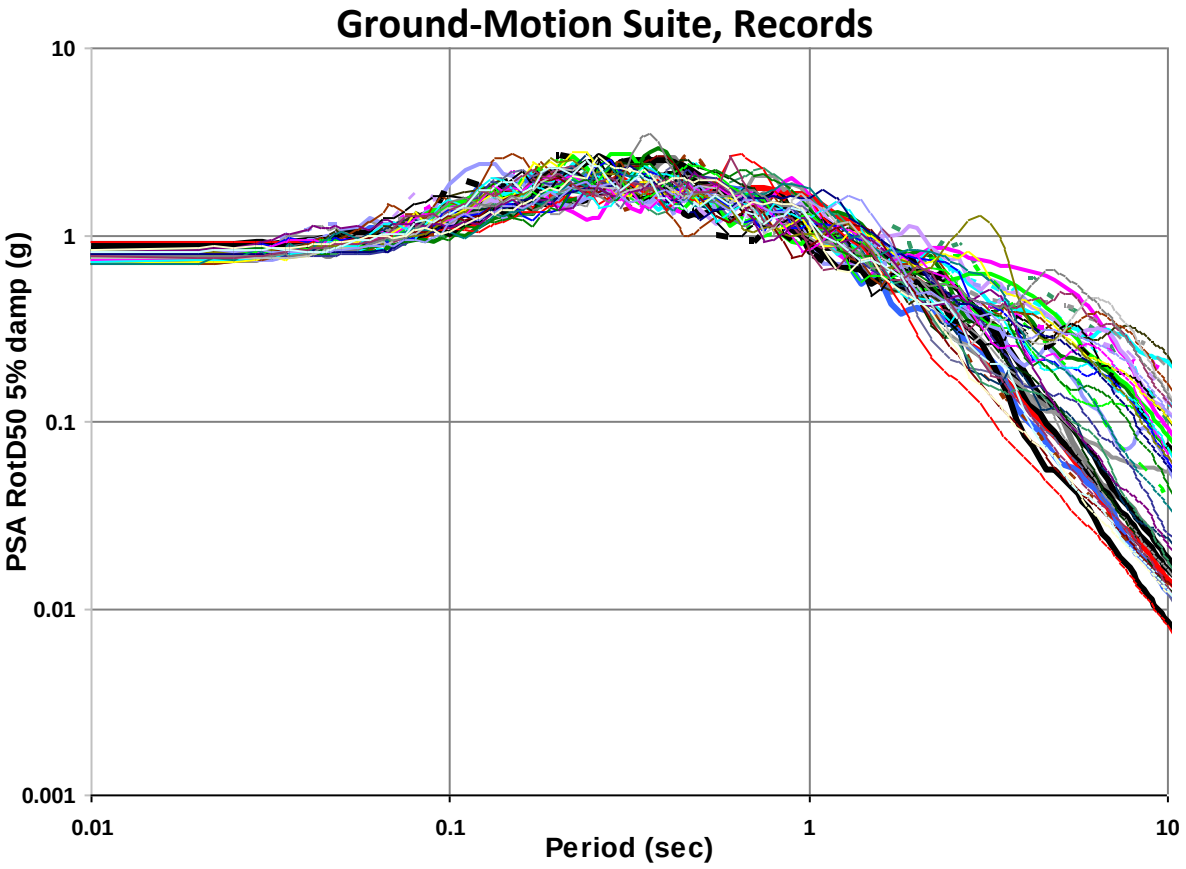
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.66	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.35	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	2.19	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.74	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.67	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.16	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	2.74	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	3.23	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.28	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	2.78	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.84	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	3.13	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2

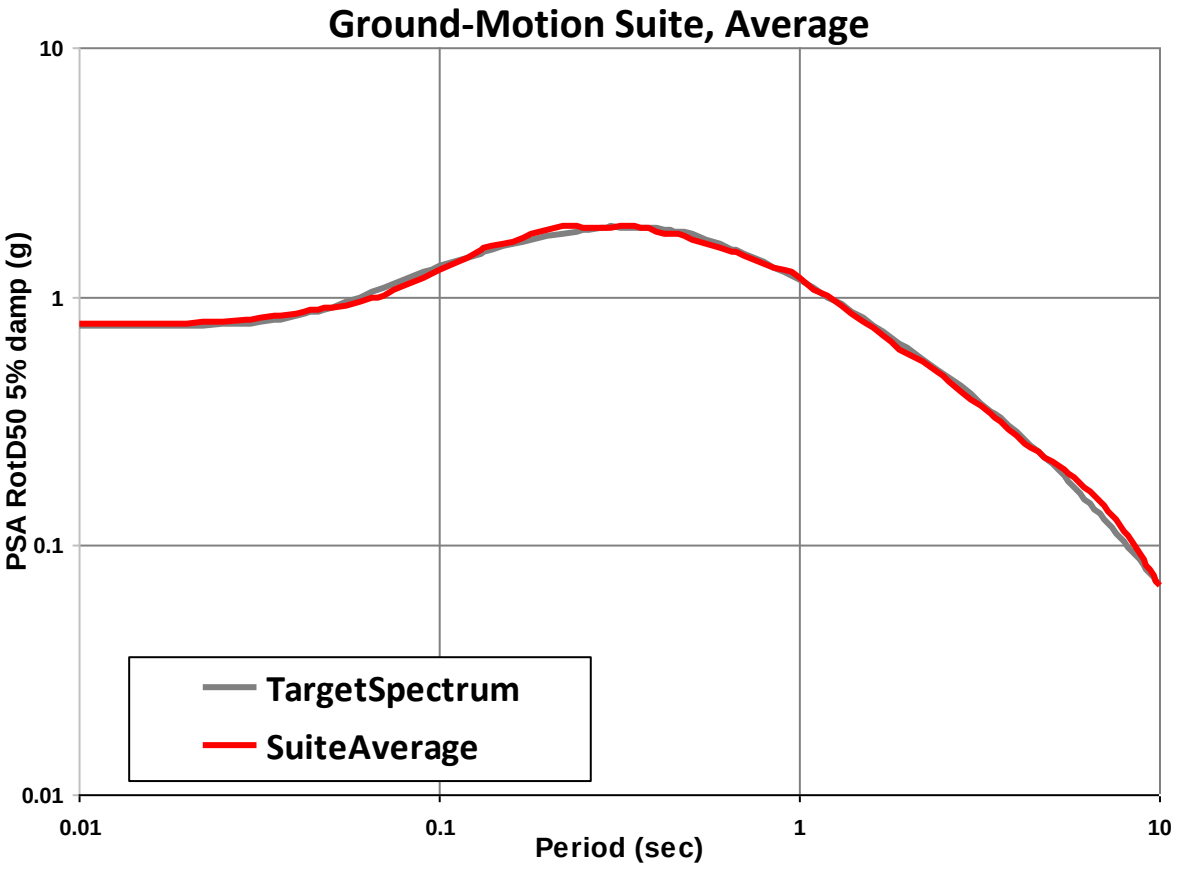
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
900	Landers Yermo Fire Station 1992	7.28	24	353.63	strike slip	8.8	2.97	RSN900_LANDERS_YER270.AT2 RSN900_LANDERS_YER360.AT2 RSN900_LANDERS_YER-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	2.15	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.68	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.33	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	3.64	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.78	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	3.91	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.89	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.93	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.05	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.01	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	2.73	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	2.49	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	3.15	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	3.46	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	2.77	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.35	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2.74	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	2.73	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	3.18	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.95	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.21	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.69	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	3.46	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.68	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.29	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	3.14	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.59	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.34	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	2.84	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
6969	Darfield, New Zealand Styx Mill Transfer Station 2010	7	21	247.5	strike slip	12.2	3.47	RSN6969_DARFIELD_SMTCN88W.AT2 RSN6969_DARFIELD_SMTCS02W.AT2 RSN6969_DARFIELD_SMTCUP.AT2
6971	Darfield, New Zealand SPFS 2010	7	30	389.54	strike slip	15.8	3.64	RSN6971_DARFIELD_SPFSN17E.AT2 RSN6971_DARFIELD_SPFSN73W.AT2 RSN6971_DARFIELD_SPFSUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.36	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	3.71	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.82	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.29	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**

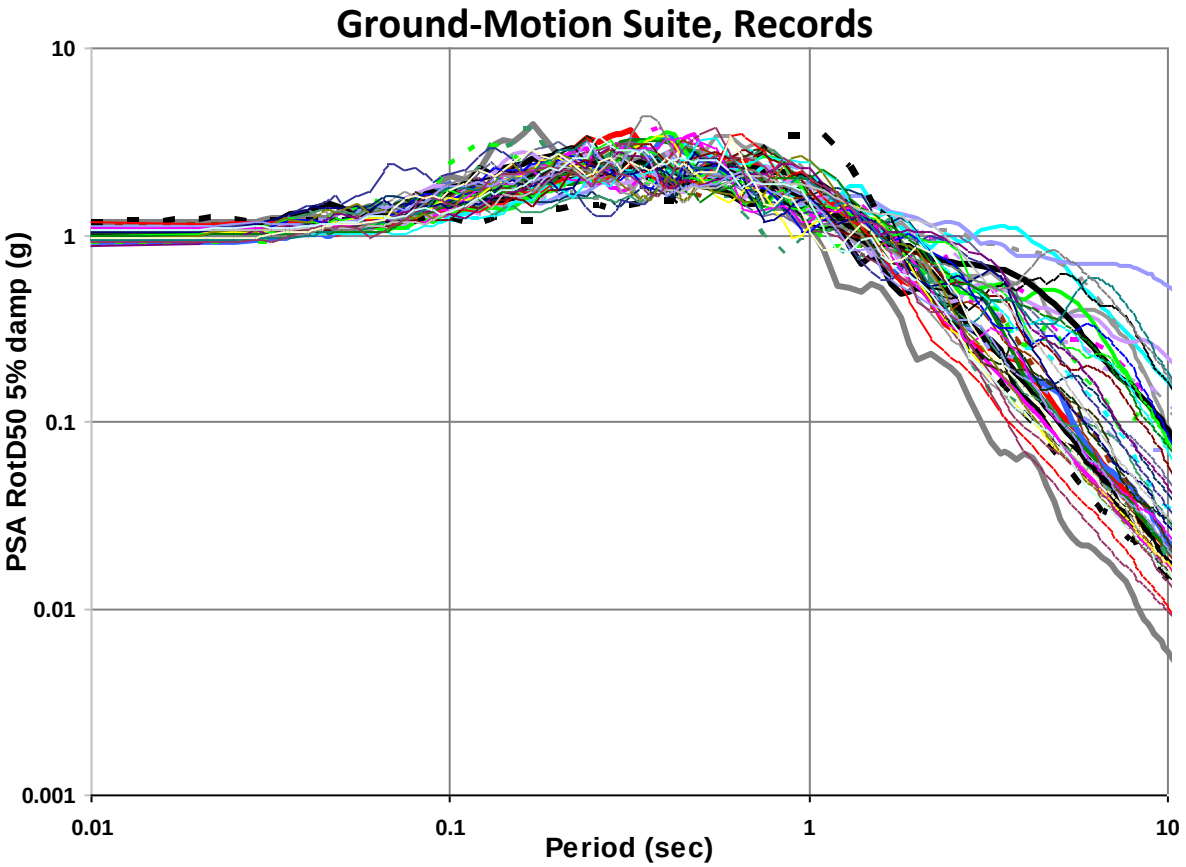
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	3.28	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	2.7	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.15	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	3.29	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.67	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	3.38	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.82	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	3.43	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.27	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	2.97	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	3.86	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
900	Landers Yermo Fire Station 1992	7.28	24	353.63	strike slip	8.8	3.67	RSN900_LANDERS_YER270.AT2 RSN900_LANDERS_YER360.AT2 RSN900_LANDERS_YER-UP.AT2

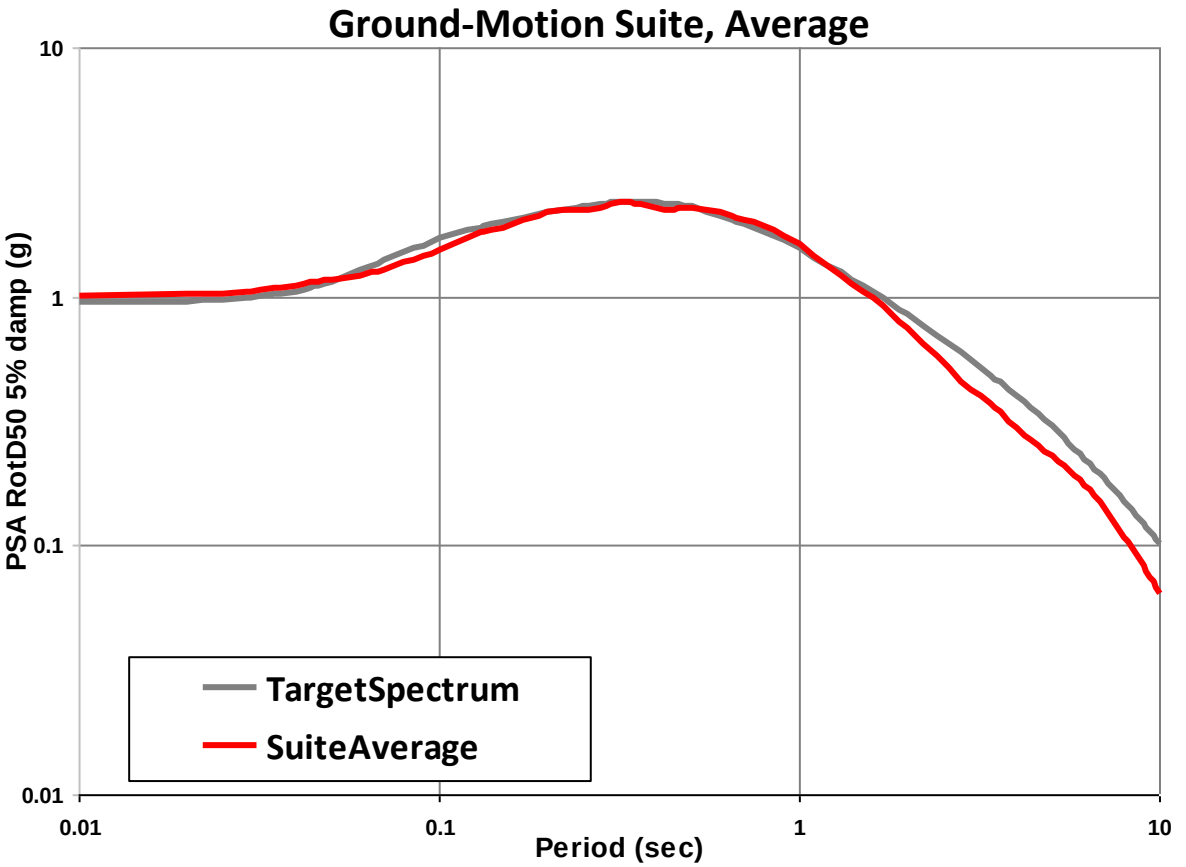
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	2.07	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.64	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	3.43	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.09	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	2.38	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.3	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.24	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.25	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	2.45	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	3.37	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	2.17	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	3.07	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	3.89	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	3.42	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.67	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	3.39	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1545	Chi-Chi, Taiwan TCU120 1999	7.62	7	459.34	Reverse O	20.7	3.47	RSN1545_CHICHI_TCU120-E.AT2 RSN1545_CHICHI_TCU120-N.AT2 RSN1545_CHICHI_TCU120-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	3.37	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
3750	Cape Mendocino Loleta Fire Station 1992	7.01	23	515.65	Reverse	6.7	3.27	RSN3750_CAPEMEND_LFS270.AT2 RSN3750_CAPEMEND_LFS360.AT2 RSN3750_CAPEMEND_LFS-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	3.92	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	3.64	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.72	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	2.39	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.85	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	3.31	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5832	El Mayor-Cucapah TAMAULIPAS 2010	7.2	25	242.05	strike slip	27.7	3.35	RSN5832_SIERRA.MEX_TAM000.AT2 RSN5832_SIERRA.MEX_TAM090.AT2 RSN5832_SIERRA.MEX_TAM--V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.83	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	3.88	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6877	Joshua Tree, CA Indio - Jackson Road 1992	6.1	25	292.12	strike slip	4.2	2.91	RSN6877_JOSHUA_5294180.AT2 RSN6877_JOSHUA_5294090.AT2 RSN6877_JOSHUA_5294_UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	3.19	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.66	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	3.5	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.68	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	2.07	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.24	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.83	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	**04 SanJose**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**

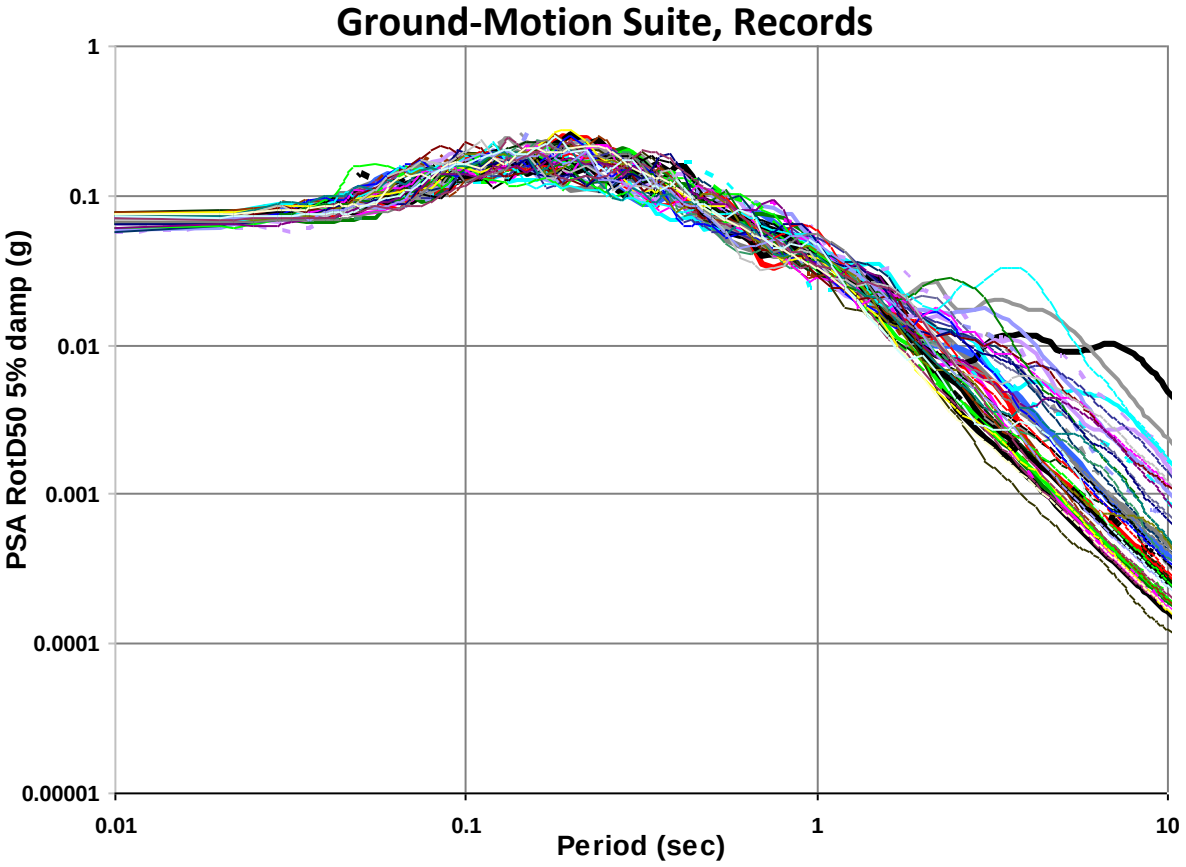
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	3.43	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.73	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	3.39	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
319	Westmorland Westmorland Fire Sta 1981	5.9	6	193.67	strike slip	3.6	2.41	RSN319_WESMORL_WSM090.AT2 RSN319_WESMORL_WSM180.AT2 RSN319_WESMORL_WSM-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1.85	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	3.58	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.88	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
768	Loma Prieta Gilroy Array #4 1989	6.93	14	221.78	Reverse O	4.5	3.5	RSN768_LOMAP_G04000.AT2 RSN768_LOMAP_G04090.AT2 RSN768_LOMAP_G04-UP.AT2
776	Loma Prieta Hollister - South & Pine 1989	6.93	28	282.14	Reverse O	7	3.46	RSN776_LOMAP_HSP000.AT2 RSN776_LOMAP_HSP090.AT2 RSN776_LOMAP_HSP-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	3.76	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	2.37	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	3.37	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2

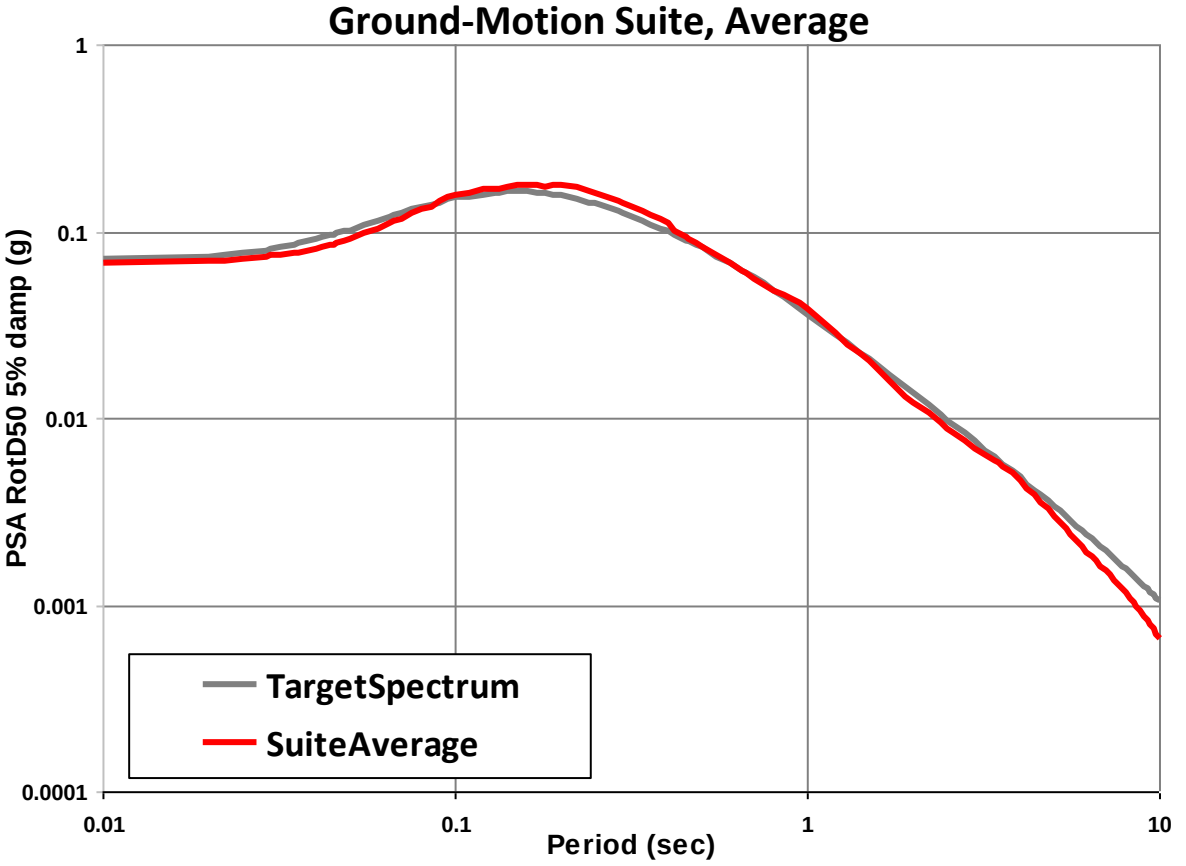
Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
953	Northridge-01 Beverly Hills - 14145 Mulhol 1994	6.69	9	355.81	Reverse	5.4	2.06	RSN953_NORTHR_MUL009.AT2 RSN953_NORTHR_MUL279.AT2 RSN953_NORTHR_MUL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	2.63	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	2.08	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
1003	Northridge-01 LA - Saturn St 1994	6.69	21	308.71	Reverse	5.3	2.61	RSN1003_NORTHR_STN020.AT2 RSN1003_NORTHR_STN110.AT2 RSN1003_NORTHR_STN-UP.AT2
1044	Northridge-01 Newhall - Fire Sta 1994	6.69	3	269.14	Reverse	2.8	1.54	RSN1044_NORTHR_NWH090.AT2 RSN1044_NORTHR_NWH360.AT2 RSN1044_NORTHR_NWH-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.39	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	3.02	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.65	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.57	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1107	Kobe, Japan Kakogawa 1995	6.9	22	312	strike slip	7.3	3.64	RSN1107_KOBE_KAK000.AT2 RSN1107_KOBE_KAK090.AT2 RSN1107_KOBE_KAK-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.58	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	3.11	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1176	Kocaeli, Turkey Yarimca 1999	7.51	1	297	strike slip	6.5	3.64	RSN1176_KOCAELI_YPT060.AT2 RSN1176_KOCAELI_YPT150.AT2 RSN1176_KOCAELI_YPT-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1182	Chi-Chi, Taiwan CHY006 1999	7.62	10	438.19	Reverse O	5.1	2.85	RSN1182_CHICHI_CHY006-N.AT2 RSN1182_CHICHI_CHY006-W.AT2 RSN1182_CHICHI_CHY006-V.AT2
1203	Chi-Chi, Taiwan CHY036 1999	7.62	16	233.14	Reverse O	10.4	3.9	RSN1203_CHICHI_CHY036-E.AT2 RSN1203_CHICHI_CHY036-N.AT2 RSN1203_CHICHI_CHY036-V.AT2
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	2.76	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	3.9	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1504	Chi-Chi, Taiwan TCU067 1999	7.62	1	433.63	Reverse O	9.1	2.45	RSN1504_CHICHI_TCU067-E.AT2 RSN1504_CHICHI_TCU067-N.AT2 RSN1504_CHICHI_TCU067-V.AT2
1505	Chi-Chi, Taiwan TCU068 1999	7.62	0	487.34	Reverse O	6.1	2.1	RSN1505_CHICHI_TCU068-E.AT2 RSN1505_CHICHI_TCU068-N.AT2 RSN1505_CHICHI_TCU068-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	2.12	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1605	Duzce, Turkey Duzce 1999	7.14	0	281.86	strike slip	7.1	2.32	RSN1605_DUZCE_DZC180.AT2 RSN1605_DUZCE_DZC270.AT2 RSN1605_DUZCE_DZC-UP.AT2
2495	Chi-Chi, Taiwan-03 CHY080 1999	6.2	21	496.21	Reverse	2	3.34	RSN2495_CHICHI.03_CHY080N.AT2 RSN2495_CHICHI.03_CHY080E.AT2 RSN2495_CHICHI.03_CHY080V.AT2
4847	Chuetsu-oki Joetsu Kakizakiku Kakizaki 2007	6.8	9	383.43	Reverse	5.9	2.47	RSN4847_CHUETSU_65010NS.AT2 RSN4847_CHUETSU_65010EW.AT2 RSN4847_CHUETSU_65010UD.AT2
4853	Chuetsu-oki Joetsu City 2007	6.8	26	294.71	Reverse	14.7	3.86	RSN4853_CHUETSU_65019NS.AT2 RSN4853_CHUETSU_65019EW.AT2 RSN4853_CHUETSU_65019UD.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	3.46	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	3.04	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2

Site	04 SanJose							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	1.08	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5780	Iwate Iwadeyama 2008	6.9	21	345.55	Reverse	7.2	3.11	RSN5780_IWATE_54015NS.AT2 RSN5780_IWATE_54015EW.AT2 RSN5780_IWATE_54015UD.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	3.59	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6877	Joshua Tree, CA Indio - Jackson Road 1992	6.1	25	292.12	strike slip	4.2	3.7	RSN6877_JOSHUA_5294180.AT2 RSN6877_JOSHUA_5294090.AT2 RSN6877_JOSHUA_5294_UP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	2.11	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	2.13	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8067	Christchurch, New Zealand Christchurch Cashmere High School 2011	6.2	4	204	Reverse O	3.1	2.53	RSN8067_CCHURCH_CMHSN10E.AT2 RSN8067_CCHURCH_CMHSS80E.AT2 RSN8067_CCHURCH_CMHSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	2.62	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.85	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	3.59	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**

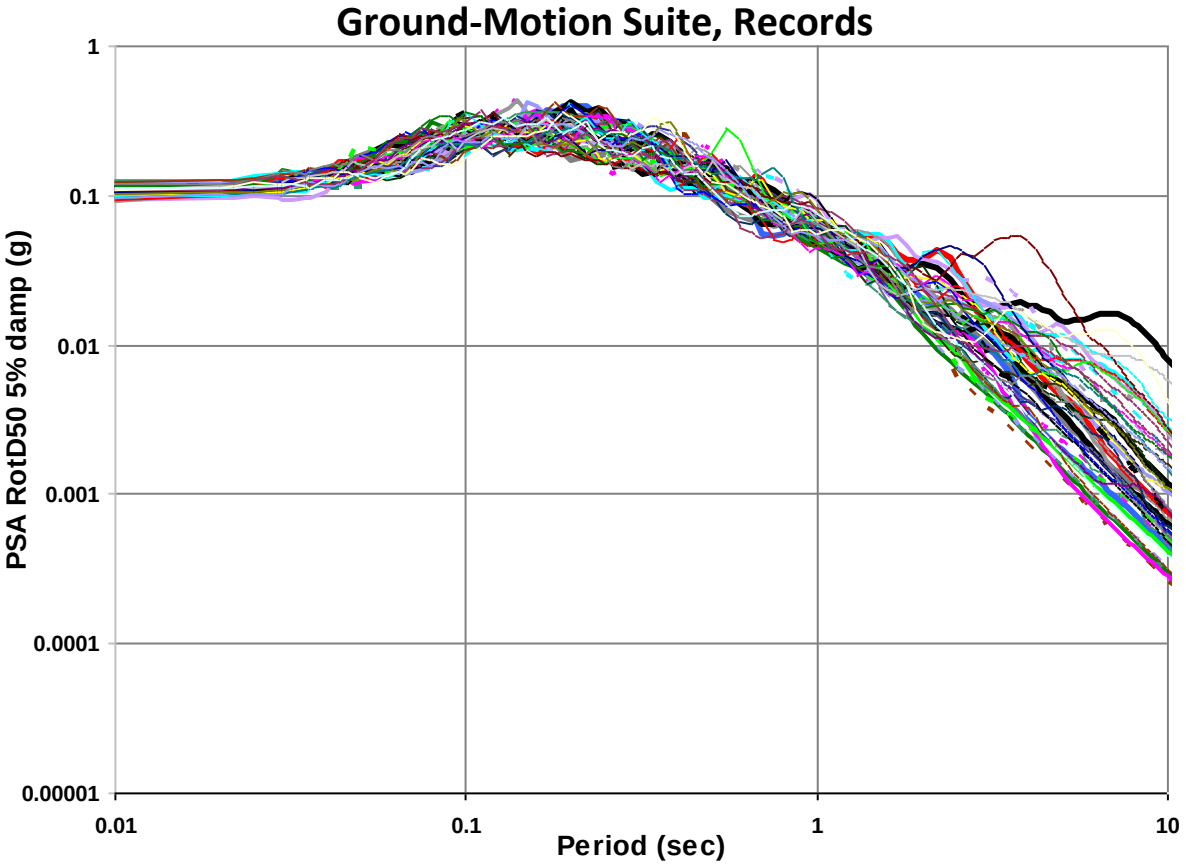
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.42	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.4	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.36	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	1.53	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	0.98	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	0.31	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.72	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.25	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	0.61	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	0.46	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.32	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
534	N. Palm Springs San Jacinto - Soboba 1986	6.06	23	447.22	Reverse O	2.1	0.31	RSN534_PALMSPR_H08000.AT2 RSN534_PALMSPR_H08090.AT2 RSN534_PALMSPR_H08-UP.AT2

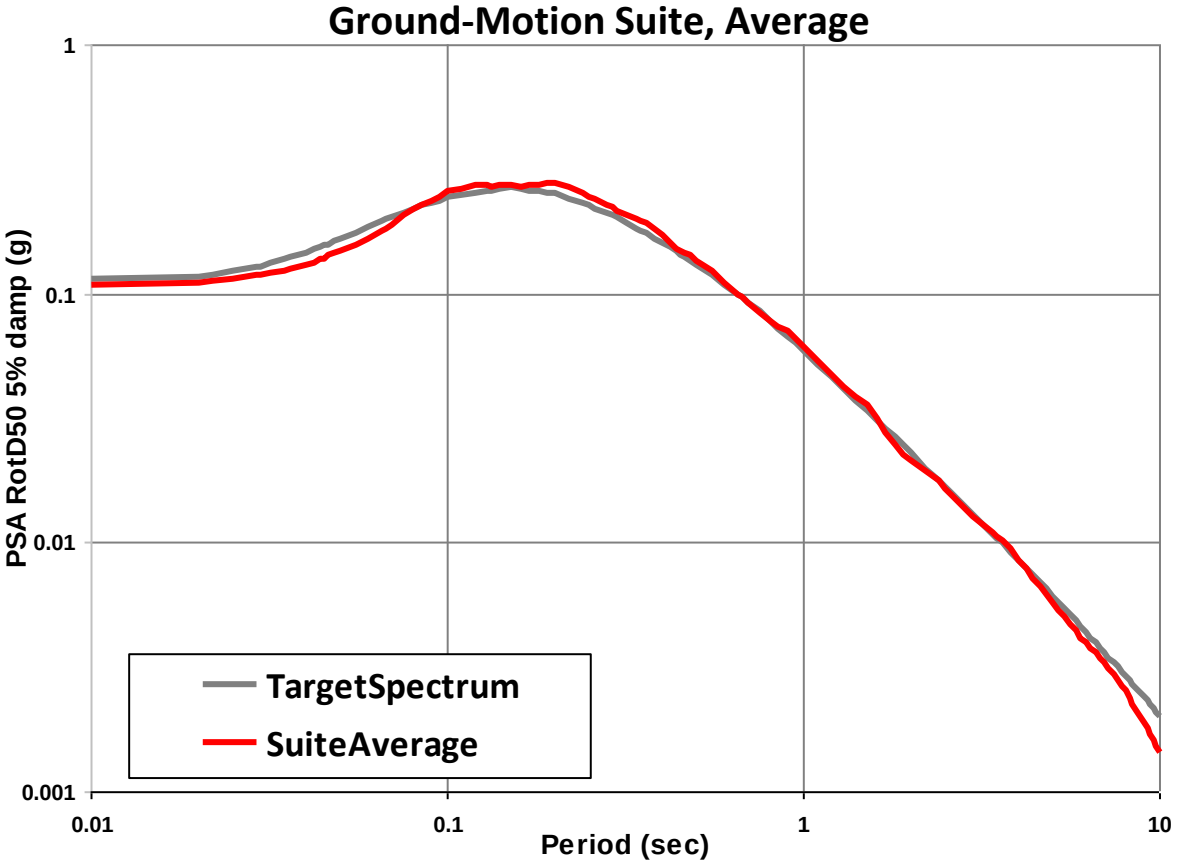
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.58	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.65	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
954	Northridge-01 Big Tujunga, Angeles Nat F 1994	6.69	19	550.11	Reverse	5.8	0.34	RSN954_NORTHR_TUJ262.AT2 RSN954_NORTHR_TUJ352.AT2 RSN954_NORTHR_TUJ-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.43	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.47	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.34	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.26	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.48	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	1.38	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.37	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2623	Chi-Chi, Taiwan-03 TCU072 1999	6.2	21	468.14	Reverse	6.2	0.48	RSN2623_CHICHI.03_TCU072N.AT2 RSN2623_CHICHI.03_TCU072E.AT2 RSN2623_CHICHI.03_TCU072V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.43	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.68	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.47	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3507	Chi-Chi, Taiwan-06 TCU129 1999	6.3	23	511.18	Reverse	6.5	0.28	RSN3507_CHICHI.06_TCU129N.AT2 RSN3507_CHICHI.06_TCU129E.AT2 RSN3507_CHICHI.06_TCU129V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.43	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3713	Whittier Narrows-02 LA - N Figueroa St 1987	5.27	8	364.91	Reverse O	1.7	0.83	RSN3713_WHITTIER.B_B-FIG058.AT2 RSN3713_WHITTIER.B_B-FIG328.AT2 RSN3713_WHITTIER.B_B-FIG-UP.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.54	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.45	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.4	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.54	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4278	Friuli (aftershock 9), Italy San Rocco 1976	5.5	12	649.67	Reverse	1.1	0.79	RSN4278_FRIULI.P_W-SRO000.AT2 RSN4278_FRIULI.P_W-SRO090.AT2 RSN4278_FRIULI.P_W-SRO-UP.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	1.1	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4365	Umbria Marche (aftershock 1), Italy Colfiorito-Casermette 1997	5.5	2	405	Normal	2.1	0.36	RSN4365_UBMARCHE.P_E-CLC180.A RSN4365_UBMARCHE.P_E-CLC270.A RSN4365_UBMARCHE.P_E-CLC-DN.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.79	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	2.34	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.94	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	1.04	RSN4553_L-AQUILA.B_CW119XTE.AT RSN4553_L-AQUILA.B_CW119YLN.AT RSN4553_L-AQUILA.B_CW119ZUP.AT
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.32	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.25	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	0.25	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.26	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.39	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.56	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.77	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.99	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.83	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8884	14383980 Brea - Central Ave Caltrans Yard 2008	5.39	9	396.21	Reverse O	1.3	0.38	RSN8884_14383980_13873360.AT2 RSN8884_14383980_13873090.AT2 RSN8884_14383980_13873-UP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

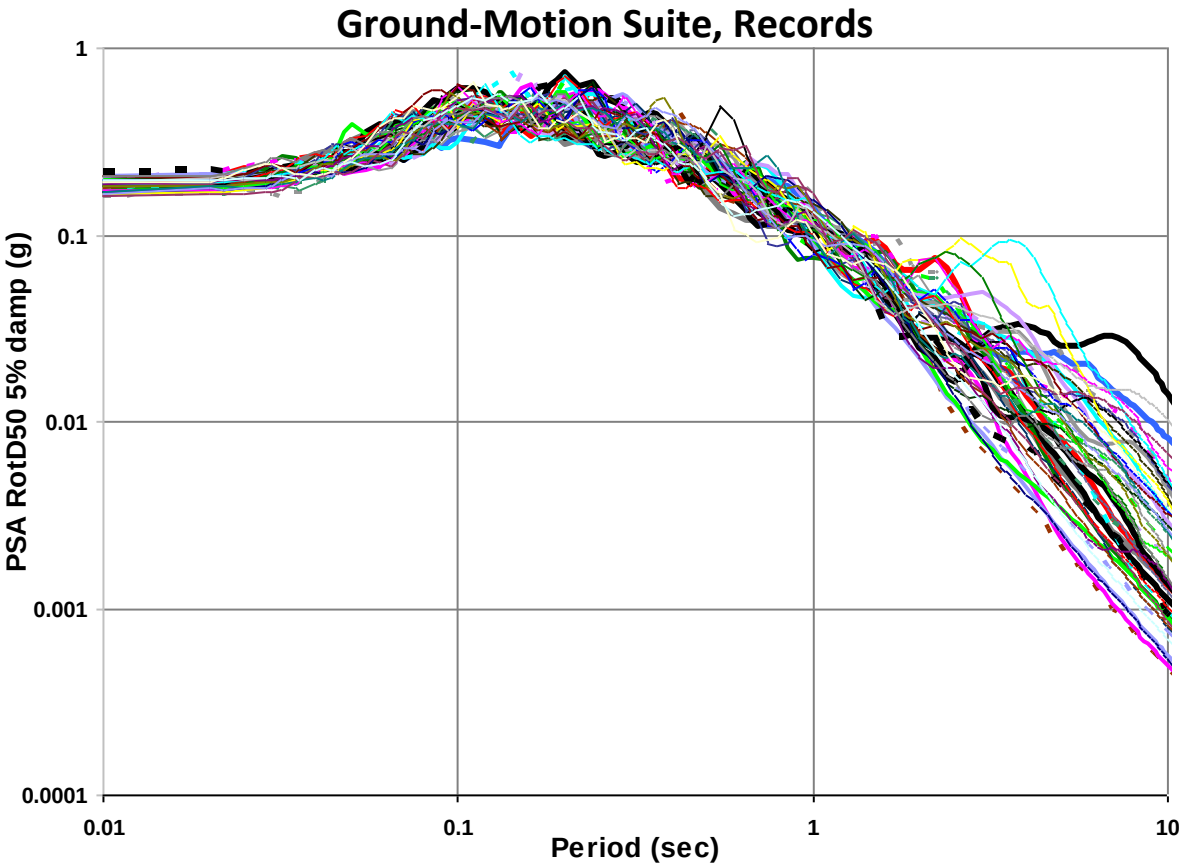
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.68	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.65	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.58	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	2.46	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.38	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	0.5	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.16	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.37	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.4	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	0.98	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	0.74	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.51	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2

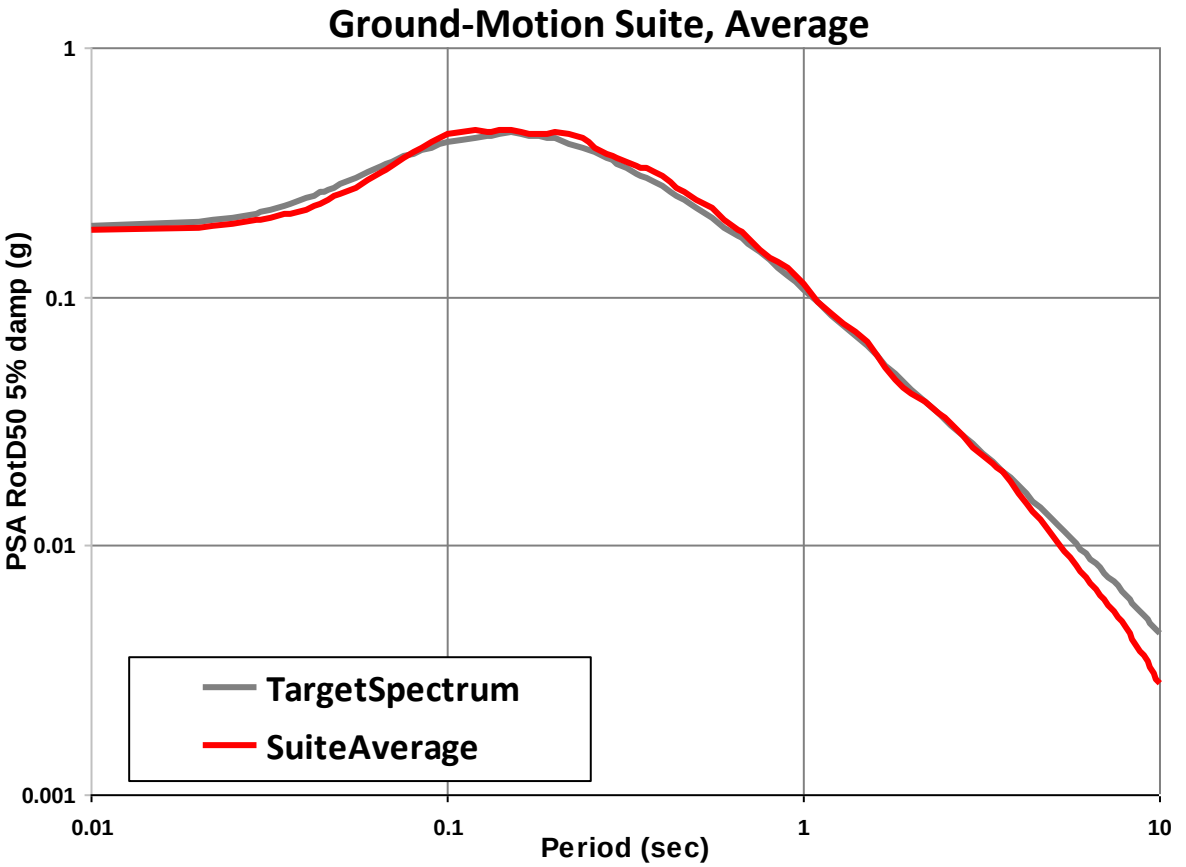
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.94	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.05	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.28	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.28	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.69	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.76	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.55	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.42	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	2.22	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.6	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.33	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	1.1	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.75	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
3507	Chi-Chi, Taiwan-06 TCU129 1999	6.3	23	511.18	Reverse	6.5	0.45	RSN3507_CHICHI.06_TCU129N.AT2 RSN3507_CHICHI.06_TCU129E.AT2 RSN3507_CHICHI.06_TCU129V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.7	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.87	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.73	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.65	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.88	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.3	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.27	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	1.78	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.28	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	3.78	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.52	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.28	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.25	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.25	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.51	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.39	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.41	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	0.41	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.41	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.62	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.37	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.9	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	0.29	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.59	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

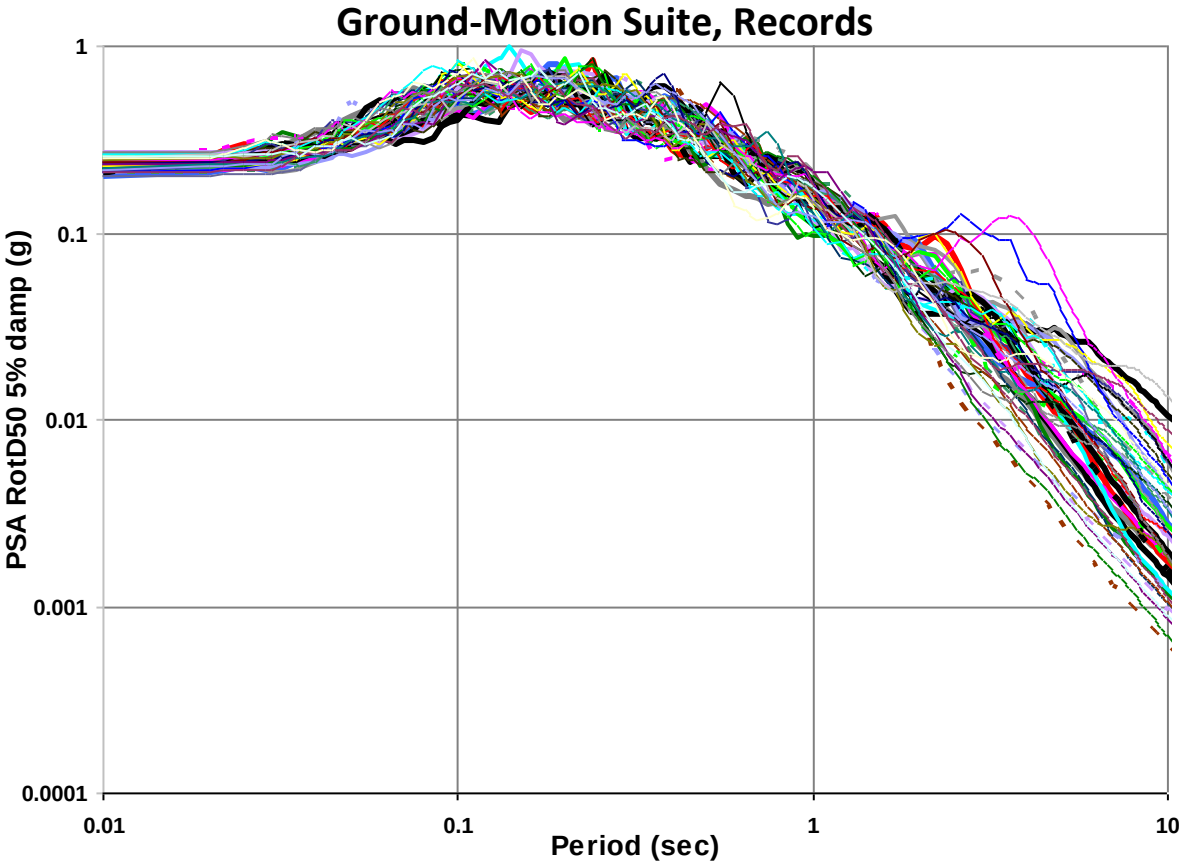
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.2	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.14	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.02	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.4	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.78	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	0.88	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.03	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.65	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.7	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.9	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.54	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.64	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2

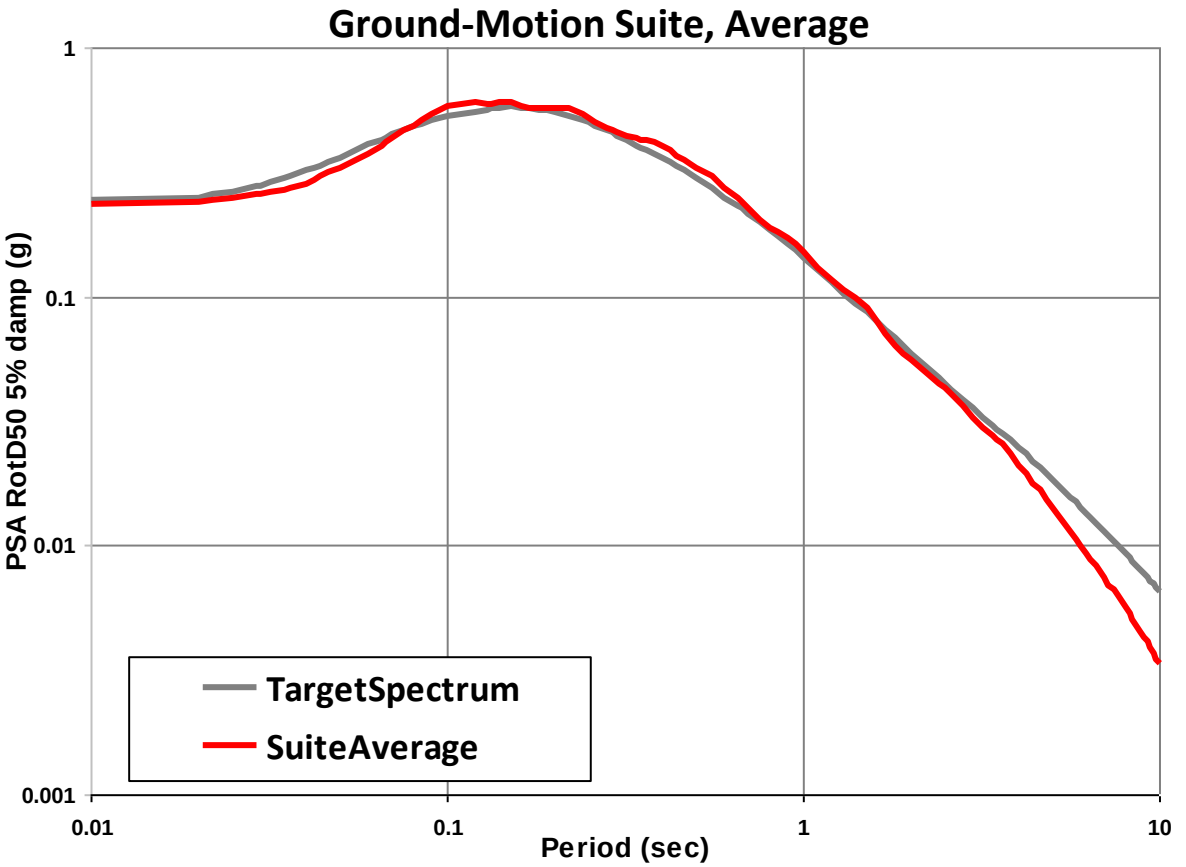
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.85	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.5	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.58	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.49	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.25	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	1.33	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.96	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	3.89	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.05	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.59	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	1.93	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.32	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3507	Chi-Chi, Taiwan-06 TCU129 1999	6.3	23	511.18	Reverse	6.5	0.8	RSN3507_CHICHI.06_TCU129N.AT2 RSN3507_CHICHI.06_TCU129E.AT2 RSN3507_CHICHI.06_TCU129V.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	1.22	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.52	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.28	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.14	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.54	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.52	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.28	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.33	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.48	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.24	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.32	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.66	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.49	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.43	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.43	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.9	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.35	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.68	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.71	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	0.71	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.72	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	1.09	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.64	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.58	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.79	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

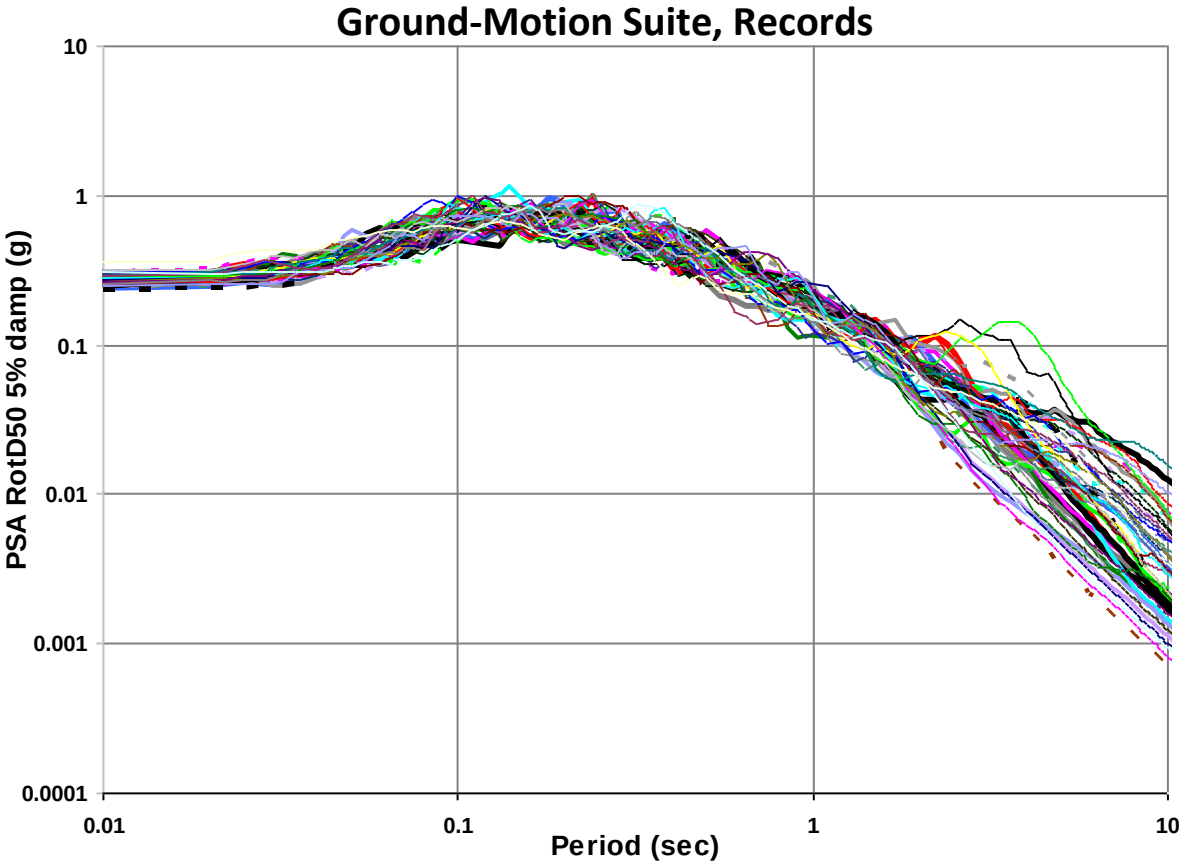
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.56	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.48	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.32	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.52	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.27	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.02	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	1.14	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.64	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.85	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.7	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.13	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	2.4	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

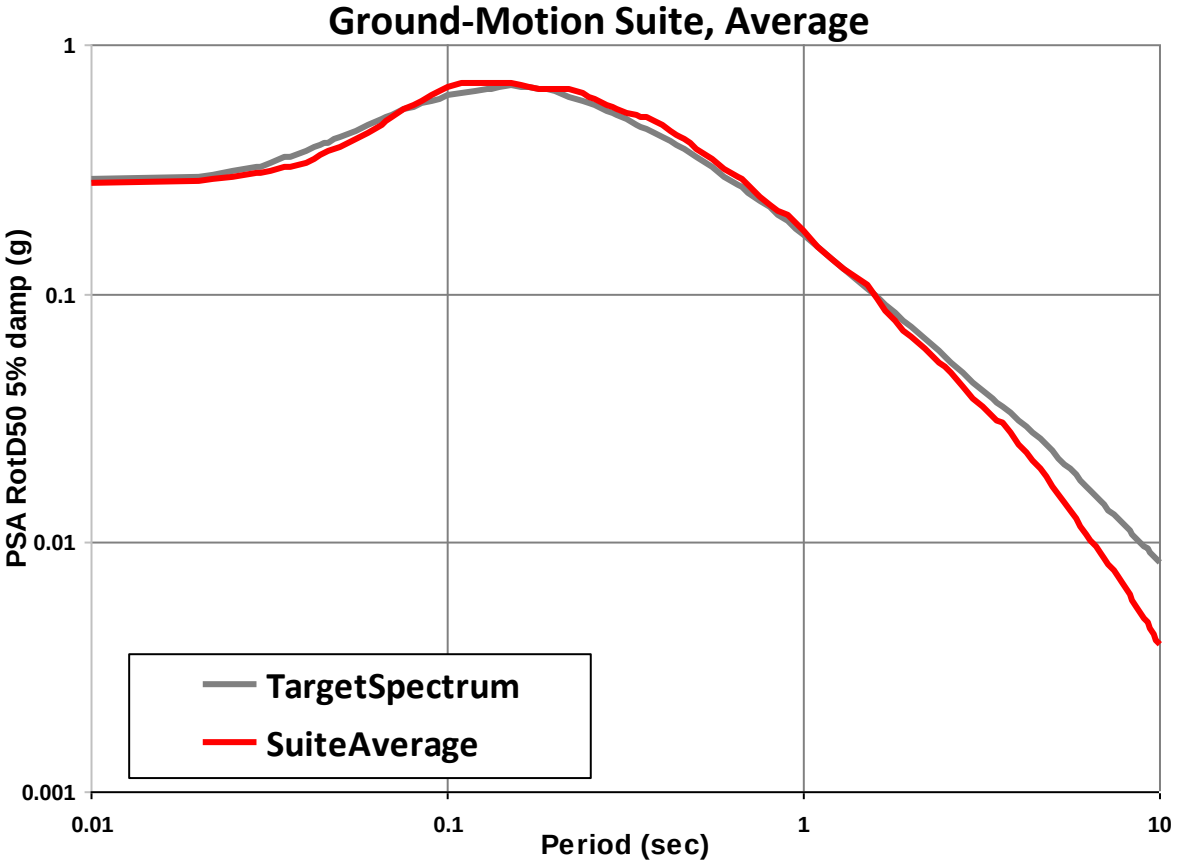
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.63	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.64	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.75	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.64	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.32	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.24	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.37	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	2.5	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.72	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3507	Chi-Chi, Taiwan-06 TCU129 1999	6.3	23	511.18	Reverse	6.5	1.03	RSN3507_CHICHI.06_TCU129N.AT2 RSN3507_CHICHI.06_TCU129E.AT2 RSN3507_CHICHI.06_TCU129V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.98	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.49	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.66	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.48	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.86	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.89	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.68	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.37	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.43	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.62	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.92	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.41	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	3.46	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.64	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.56	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.56	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.17	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.45	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.89	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.92	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	0.92	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.94	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	1.42	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.83	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	2.06	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	3.62	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.84	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.75	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.56	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.61	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.5	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.2	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	1.34	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	3.11	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.83	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.52	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	2.83	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

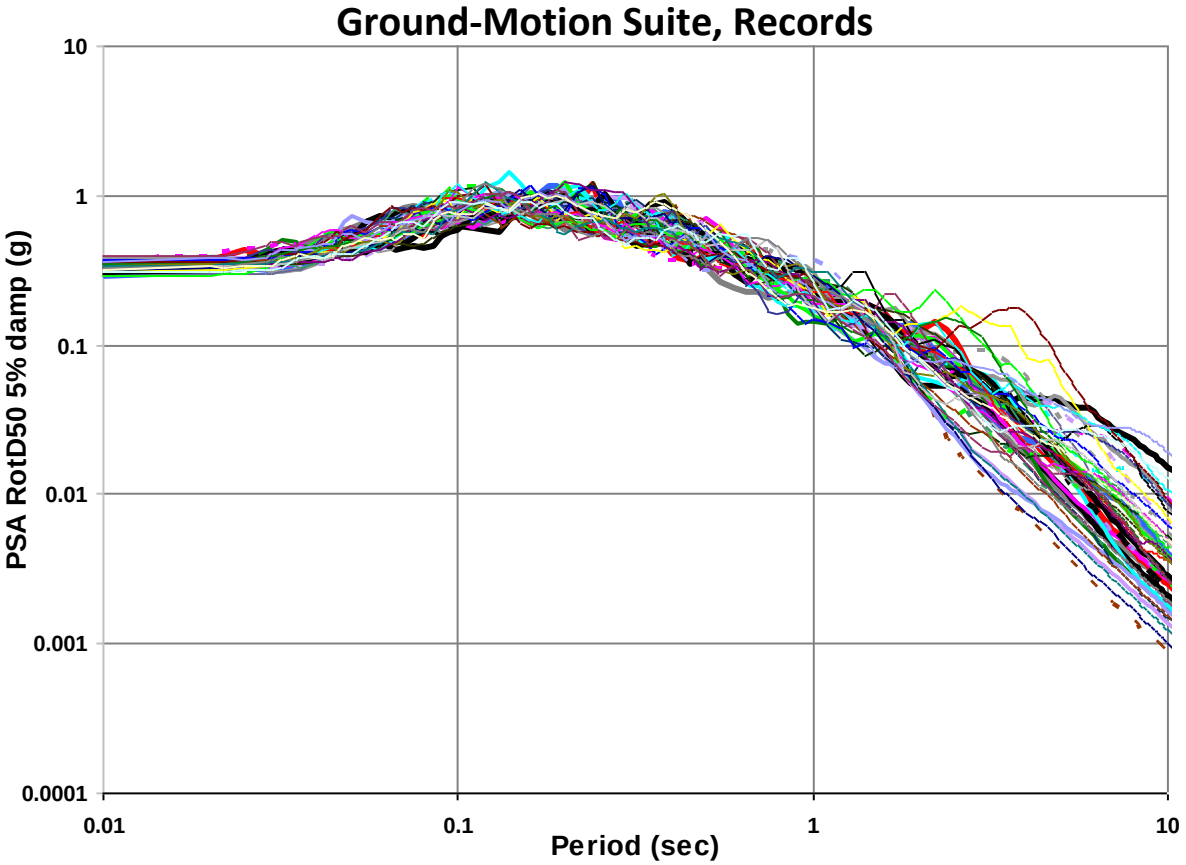
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.92	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.54	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.76	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.88	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.25	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.75	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.38	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.47	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.61	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	2.95	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.03	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.34	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.58	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

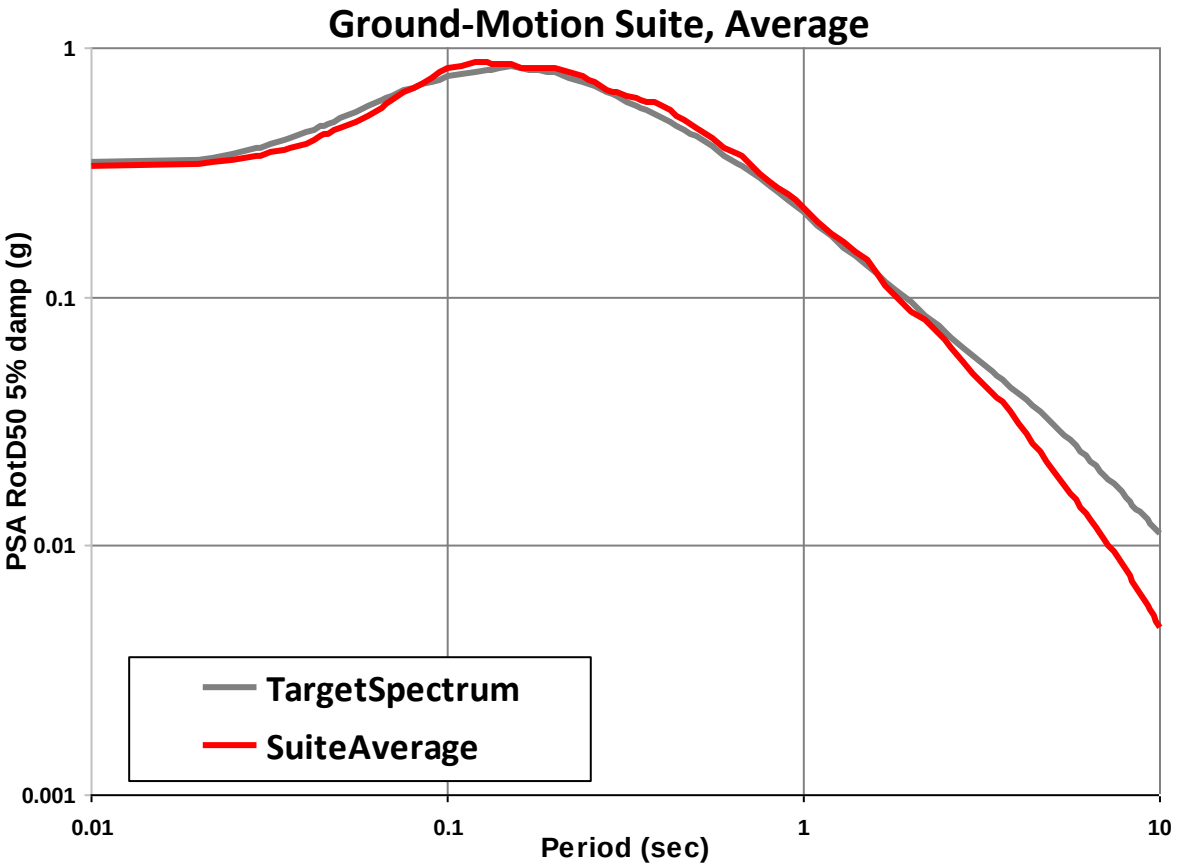
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.96	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.74	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.02	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.36	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.24	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.8	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.43	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.51	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.73	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.44	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.48	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.76	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.67	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	04 SanJose
Site Vs30 (m/s)	760
Return Period (yr)	100

5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.38	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.53	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.05	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.09	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	1.09	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.11	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	2.06	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	1.67	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.98	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	2.43	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	3.6	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

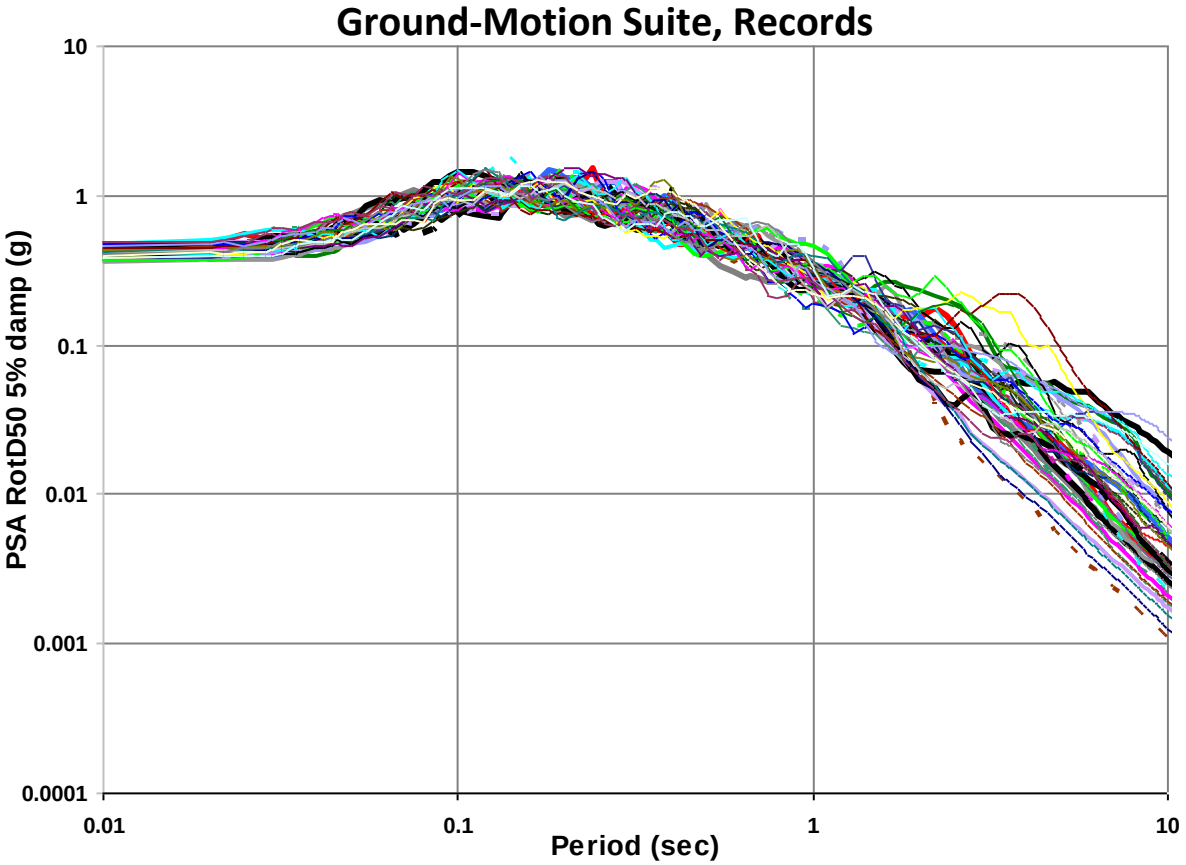
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.26	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	2.15	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.92	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.75	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.84	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.48	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	1.65	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	3.83	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.6	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.24	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.02	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	3.1	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2

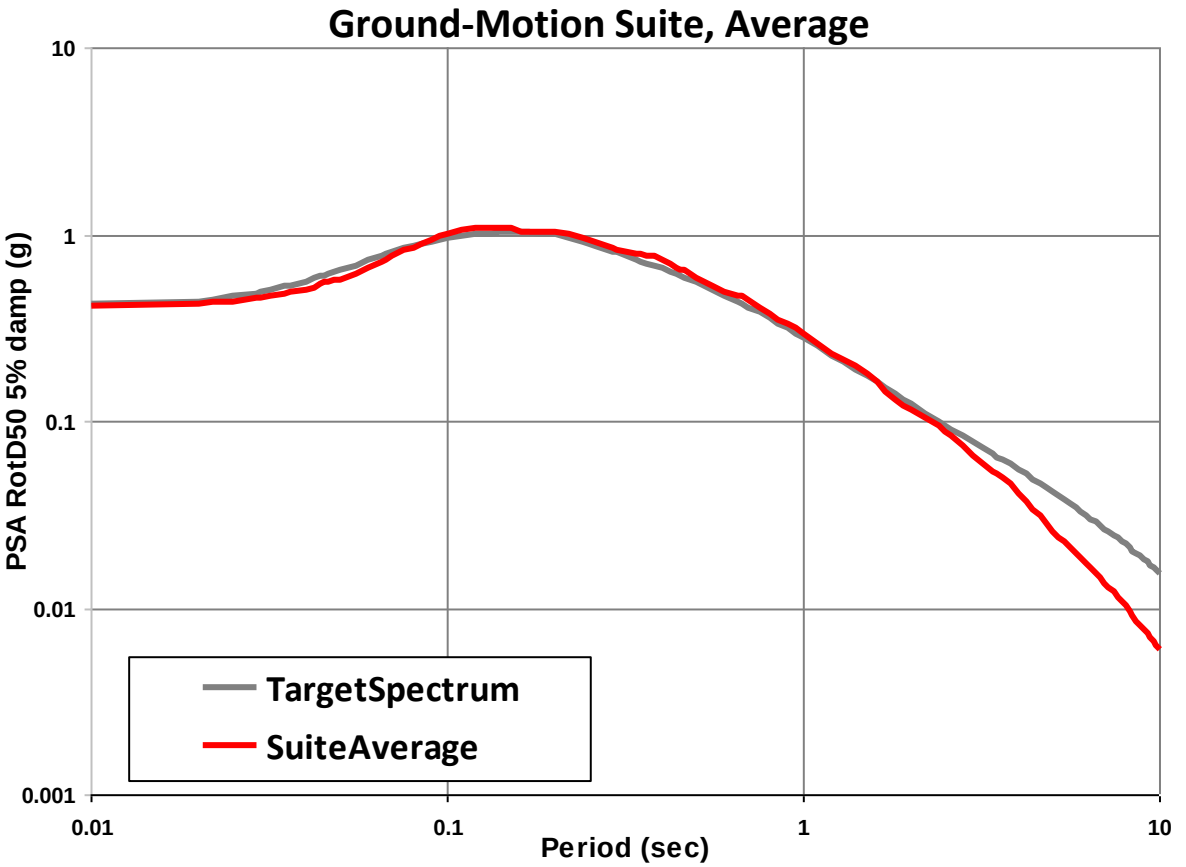
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.36	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.89	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.93	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.09	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.93	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.47	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.8	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.99	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	3.64	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.49	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.87	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.71	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	2.41	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.15	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.25	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.9	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.75	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.98	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.53	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.62	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.9	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.79	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.6	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	3.52	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.93	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	1.84	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.82	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.06	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.7	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.65	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.25	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.29	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.34	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.37	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	2.53	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	2.06	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.21	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**

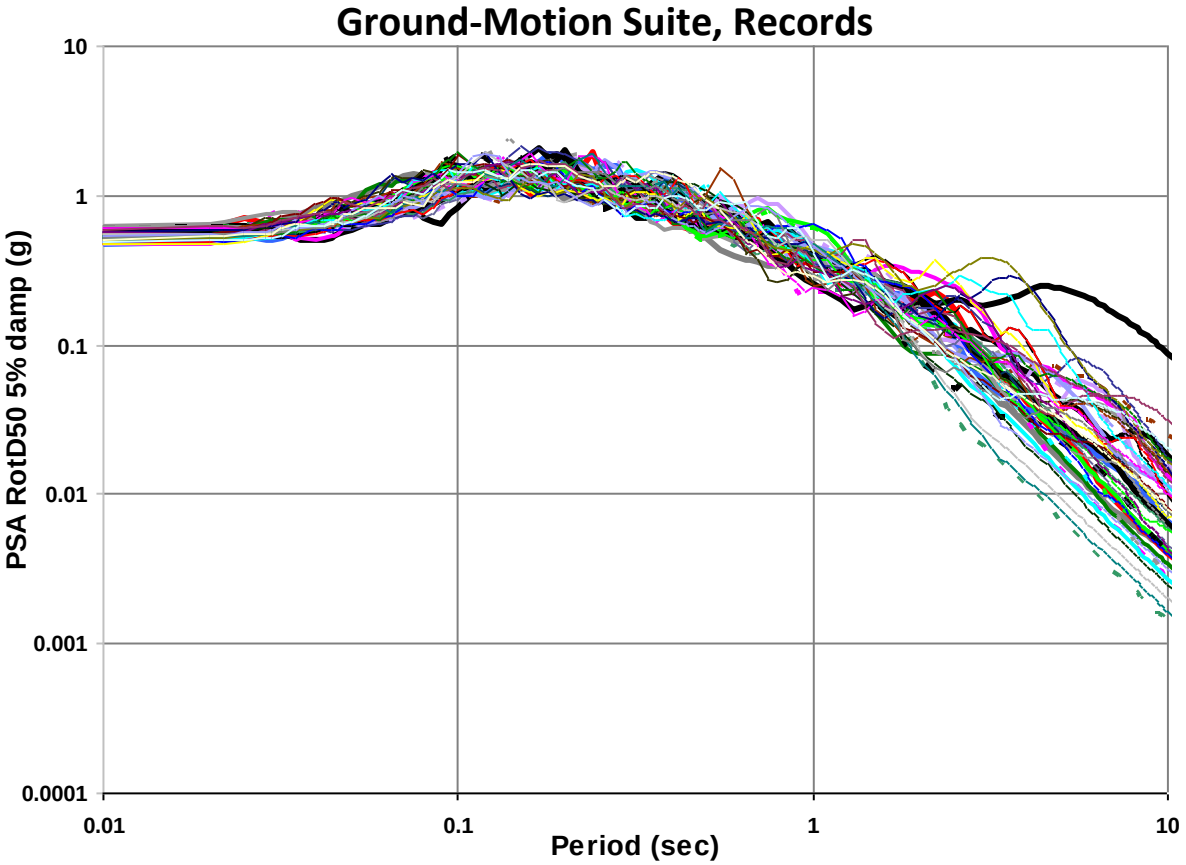
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.84	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	2.7	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.41	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.94	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.32	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.86	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	2.07	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
291	Irpinia, Italy-01 Rionero In Vulture 1980	6.9	27	574.88	Normal	18.3	3.67	RSN291_ITALY_A-VLT000.AT2 RSN291_ITALY_A-VLT270.AT2 RSN291_ITALY_A-VLT-UP.AT2
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	2.15	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.01	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.55	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.29	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2

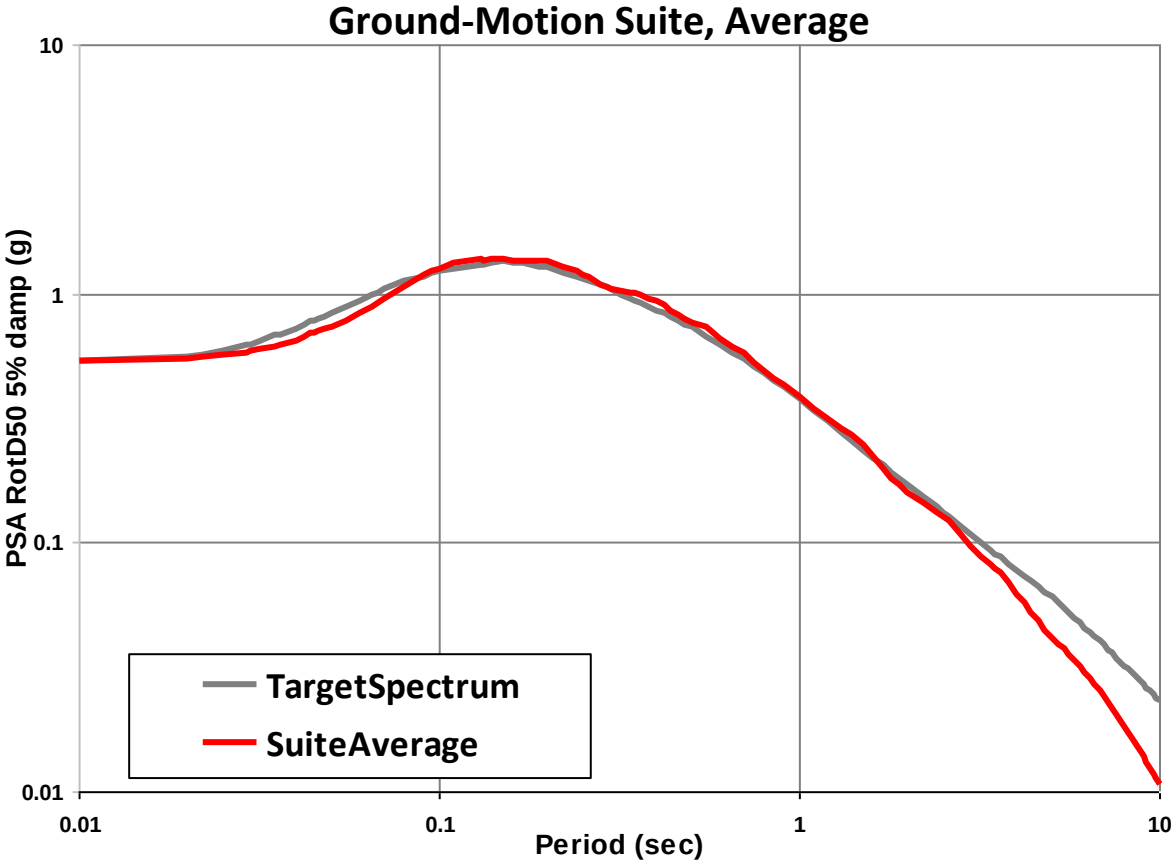
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	3.89	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.97	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.37	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.17	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.37	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.17	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.59	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.27	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.7	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	2.5	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	3.13	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	3.61	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.31	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.9	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.7	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.58	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	3.65	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	3.46	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.23	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.67	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.78	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.25	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.75	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.17	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	2.31	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	2.76	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.03	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.34	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	2.14	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.82	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.31	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.62	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.68	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.72	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	3.18	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	2.59	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.52	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**

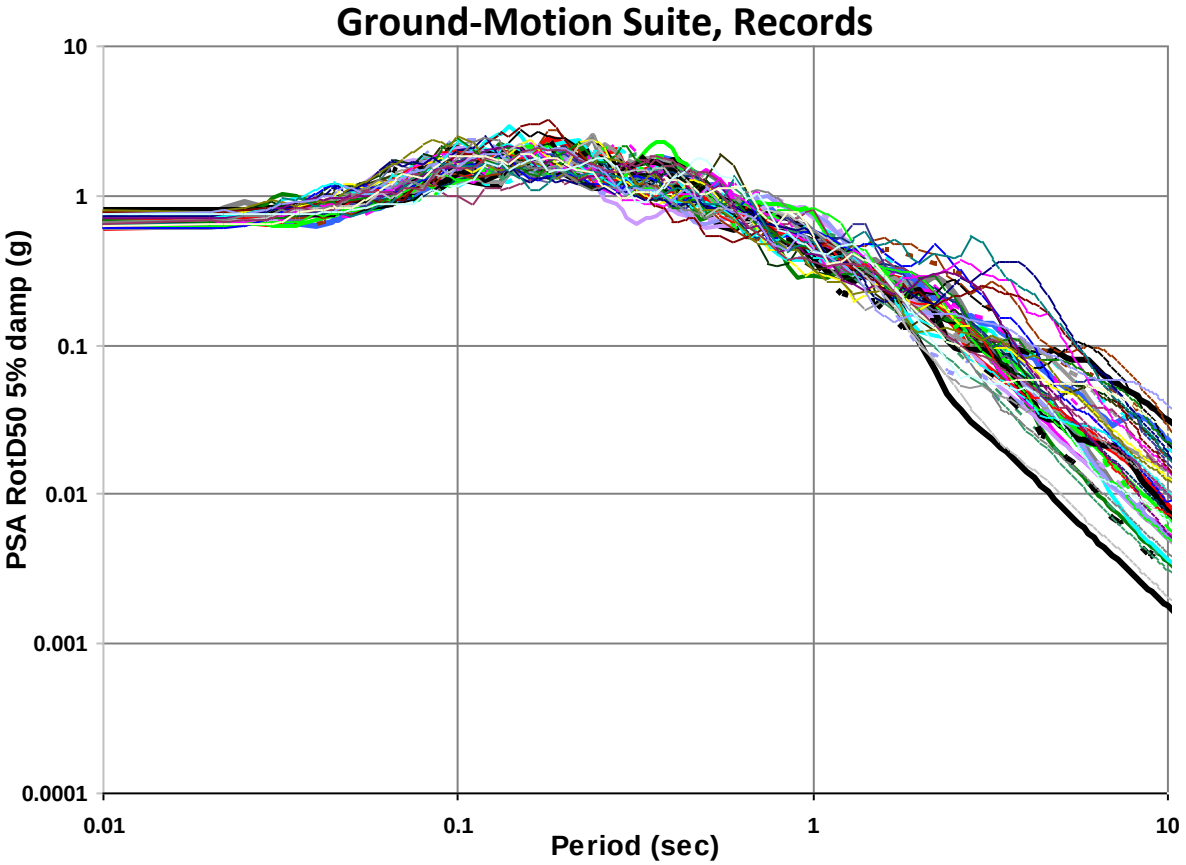
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	3.66	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.49	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	3.11	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.22	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.99	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.4	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	2.68	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	2.77	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.59	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	2	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	2.55	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.66	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2

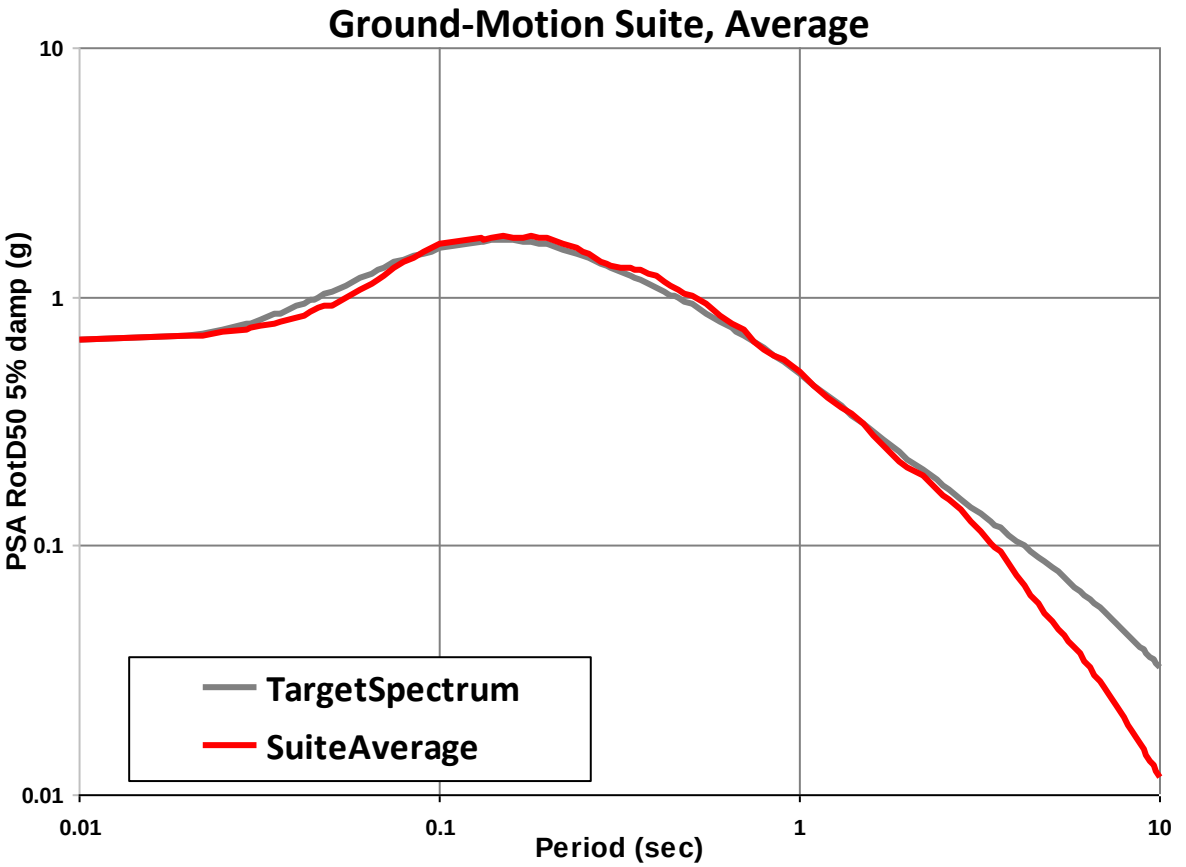
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	3.83	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	3.06	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.52	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.76	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.51	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	3.36	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.76	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.92	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.9	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	3.22	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3759	Landers Whitewater Trout Farm 1992	7.28	27	425.02	strike slip	22.1	3.84	RSN3759_LANDERS_WWT180.AT2 RSN3759_LANDERS_WWT270.AT2 RSN3759_LANDERS_WWT-UP.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	2.4	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.98	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.16	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	3.48	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.03	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.59	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.01	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.9	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.97	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.51	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.32	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	2.98	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	1.82	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	3.56	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5275	Chuetsu-oki NIGH01 2007	6.8	16	480.4	Reverse	10.9	3.52	RSN5275_CHUETSU_NIGH01NS.AT2 RSN5275_CHUETSU_NIGH01EW.AT2 RSN5275_CHUETSU_NIGH01UD.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.33	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.72	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	2.76	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.06	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.4	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.09	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.17	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5776	Iwate Kami, Miyagi Miyazaki City 2008	6.9	25	477.55	Reverse	7.6	3.45	RSN5776_IWATE_54010NS.AT2 RSN5776_IWATE_54010EW.AT2 RSN5776_IWATE_54010UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.21	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	3.34	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.96	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**

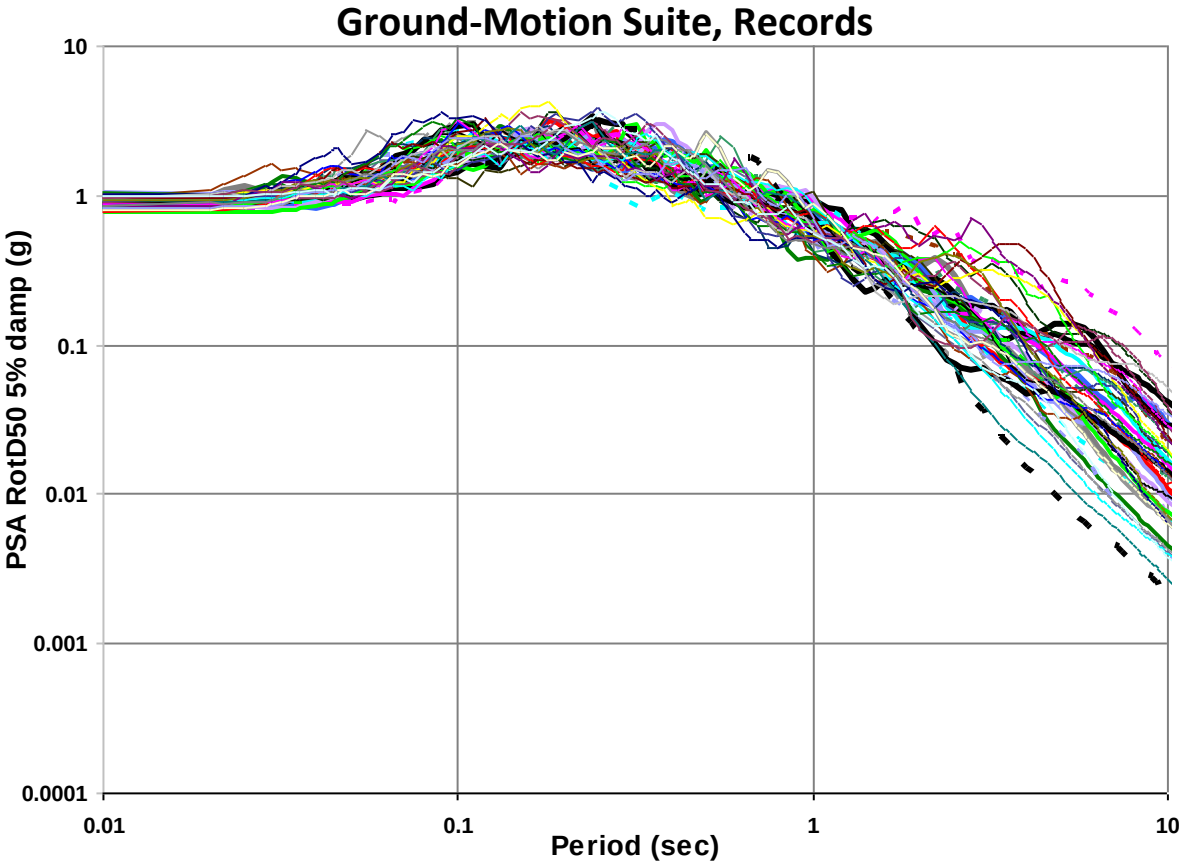
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.89	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.54	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	3.79	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	3.04	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	3.39	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	3.51	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	3.28	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	2.54	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	3.23	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.1	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	3.88	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.92	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2

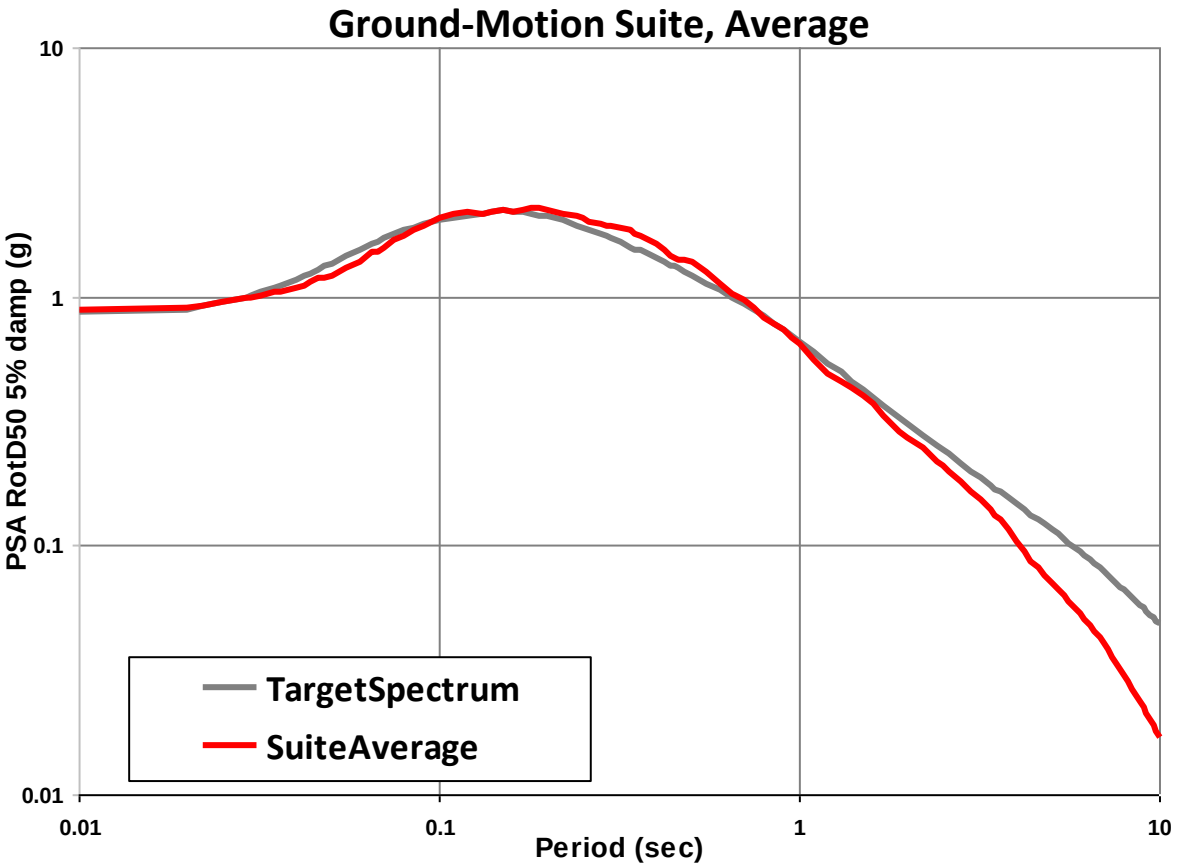
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.23	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
991	Northridge-01 LA - Cypress Ave 1994	6.69	29	366.71	Reverse	5.7	3.46	RSN991_NORTHR_CYP053.AT2 RSN991_NORTHR_CYP143.AT2 RSN991_NORTHR_CYP-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.91	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.96	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	3.71	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.15	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	1.52	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	3.04	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	3.78	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.46	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	1.86	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	2.08	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.58	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	2.02	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.09	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.28	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.85	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	3.68	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.22	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.91	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.67	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4848	Chuetsu-oki Joetsu Ogataku 2007	6.8	17	414.23	Reverse	4.9	2.58	RSN4848_CHUETSU_65011NS.AT2 RSN4848_CHUETSU_65011EW.AT2 RSN4848_CHUETSU_65011UD.AT2
4858	Chuetsu-oki Tokamachi Chitosecho 2007	6.8	25	640.14	Reverse	4.3	2.85	RSN4858_CHUETSU_65028NS.AT2 RSN4858_CHUETSU_65028EW.AT2 RSN4858_CHUETSU_65028UD.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	3.78	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	2.3	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.68	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.18	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	3.49	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.34	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.51	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5663	Iwate MYG004 2008	6.9	20	479.37	Reverse	7	1.07	RSN5663_IWATE_MYG004NS.AT2 RSN5663_IWATE_MYG004EW.AT2 RSN5663_IWATE_MYG004UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.65	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.75	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	2.76	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.81	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	2.04	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	2.49	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	**04 SanJose**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**

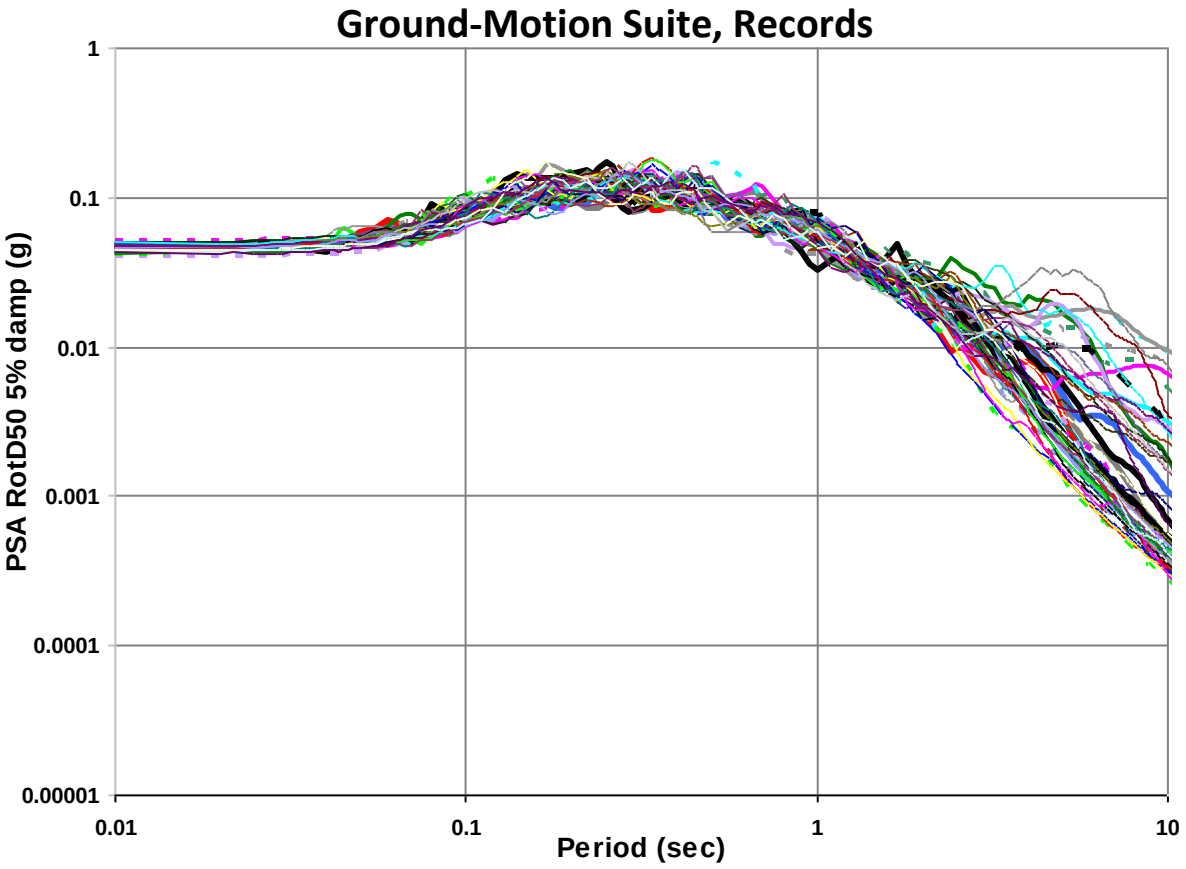
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	3.21	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	2.48	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	2.03	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	3.33	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.76	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	2.52	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.93	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.84	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	2.5	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1507	Chi-Chi, Taiwan TCU071 1999	7.62	0	624.85	Reverse O	15.6	1.32	RSN1507_CHICHI_TCU071-E.AT2 RSN1507_CHICHI_TCU071-N.AT2 RSN1507_CHICHI_TCU071-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	1.26	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.5	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2

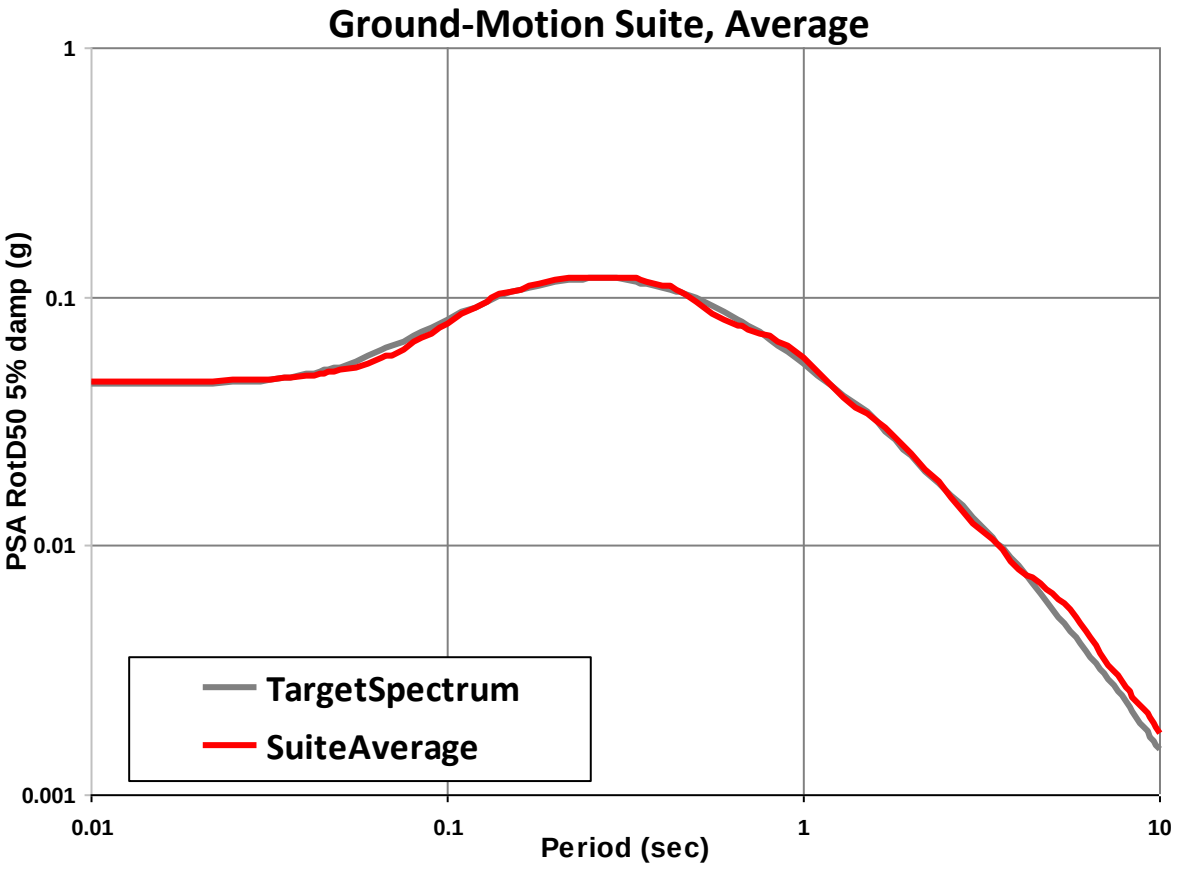
Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	2	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	2.49	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3750	Cape Mendocino Loleta Fire Station 1992	7.01	23	515.65	Reverse	6.7	3.21	RSN3750_CAPEMEND_LFS270.AT2 RSN3750_CAPEMEND_LFS360.AT2 RSN3750_CAPEMEND_LFS-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.92	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	2.44	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	3.17	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	2.73	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	3.38	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	2.65	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.43	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	1.05	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.68	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	2.42	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4455	Montenegro, Yugo. Herceg Novi - O.S.D. Paviviv 1979	7.1	24	585.04	Reverse	5	3.74	RSN4455_MONTENE.GRO_HRZ000.A RSN4455_MONTENE.GRO_HRZ090.A RSN4455_MONTENE.GRO_HRZ-V.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.61	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	2	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	2.51	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	2.19	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4848	Chuetsu-oki Joetsu Ogataku 2007	6.8	17	414.23	Reverse	4.9	3.38	RSN4848_CHUETSU_65011NS.AT2 RSN4848_CHUETSU_65011EW.AT2 RSN4848_CHUETSU_65011UD.AT2
4858	Chuetsu-oki Tokamachi Chitosecho 2007	6.8	25	640.14	Reverse	4.3	3.74	RSN4858_CHUETSU_65028NS.AT2 RSN4858_CHUETSU_65028EW.AT2 RSN4858_CHUETSU_65028UD.AT2
4873	Chuetsu-oki Kashiwazaki City Takayanagicho 2007	6.8	10	561.59	Reverse	3.5	1.74	RSN4873_CHUETSU_65056NS.AT2 RSN4873_CHUETSU_65056EW.AT2 RSN4873_CHUETSU_65056UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	3.02	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5267	Chuetsu-oki NIG021 2007	6.8	24	418.5	Reverse	3.5	3.78	RSN5267_CHUETSU_NIG021NS.AT2 RSN5267_CHUETSU_NIG021EW.AT2 RSN5267_CHUETSU_NIG021UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	2.21	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.87	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.76	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2

Site	04 SanJose							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.67	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5663	Iwate MYG004 2008	6.9	20	479.37	Reverse	7	1.4	RSN5663_IWATE_MYG004NS.AT2 RSN5663_IWATE_MYG004EW.AT2 RSN5663_IWATE_MYG004UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	3.48	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	3.62	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	3.62	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5807	Iwate Yuzama Yokobori 2008	6.9	27	570.62	Reverse	7.8	3.24	RSN5807_IWATE_55462NS.AT2 RSN5807_IWATE_55462EW.AT2 RSN5807_IWATE_55462UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	3.68	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	2.68	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	3.27	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	2.59	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	3.14	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

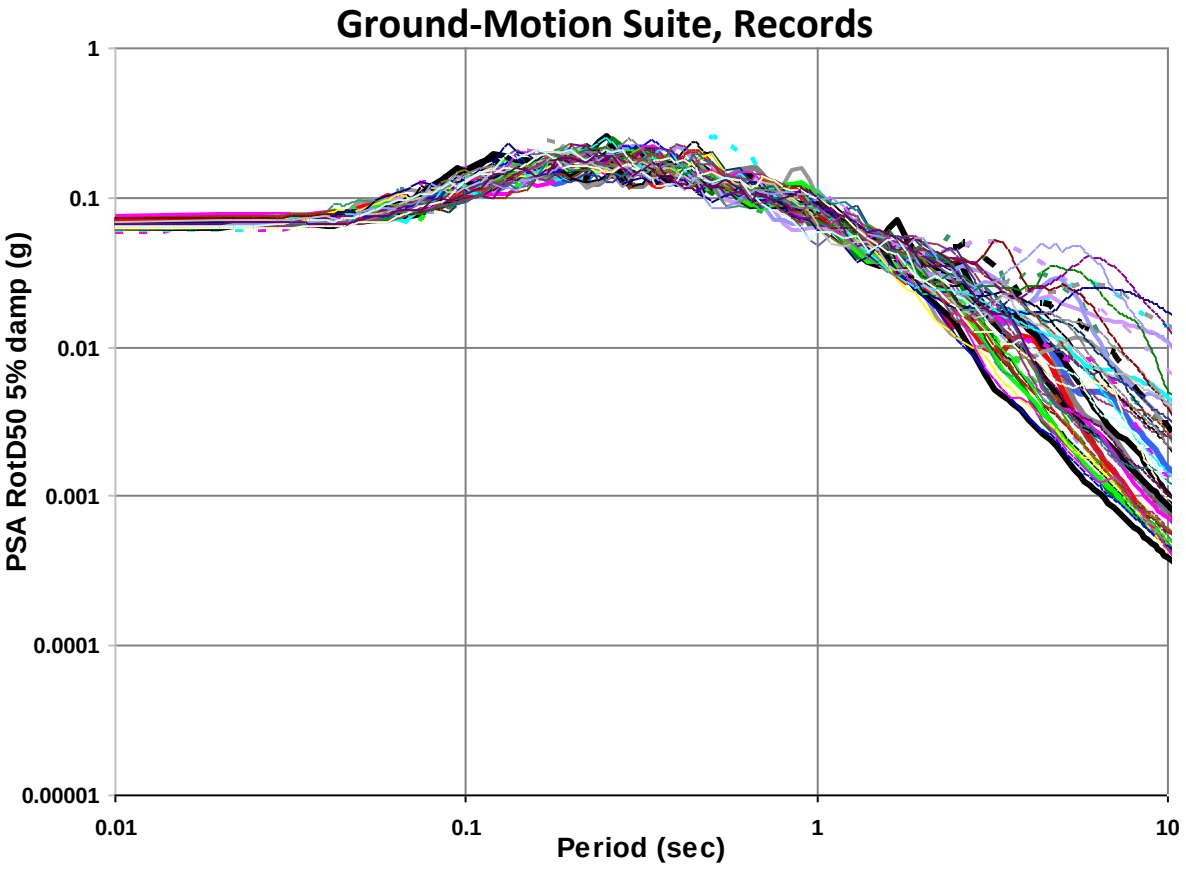
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
79	San Fernando Pasadena - CIT Athenaeum 1971	6.61	25	415.13	Reverse	6.3	0.41	RSN79_SFERN_PAS000.AT2 RSN79_SFERN_PAS090.AT2 RSN79_SFERN_PASDWN.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	0.53	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	0.96	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
268	Victoria, Mexico SAHOP Casa Flores 1980	6.33	39	259.59	strike slip	6.8	0.54	RSN268_VICT_SHP010.AT2 RSN268_VICT_SHP280.AT2 RSN268_VICT_SHP-UP.AT2
298	Irpinia, Italy-02 Bovino 1980	6.2	44	356.39	Normal	9.6	1.56	RSN298_ITALY_B-BOV000.AT2 RSN298_ITALY_B-BOV270.AT2 RSN298_ITALY_B-BOV-UP.AT2
307	Taiwan SMART1(5) SMART1 I06 1981	5.9	25	309.41	Reverse	5	0.56	RSN307_SMART1.05_05I06EW.AT2 RSN307_SMART1.05_05I06NS.AT2 RSN307_SMART1.05_05I06DN.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	0.54	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
524	N. Palm Springs Joshua Tree 1986	6.06	23	379.32	Reverse O	6.2	0.8	RSN524_PALMSPR_JOS000.AT2 RSN524_PALMSPR_JOS090.AT2 RSN524_PALMSPR_JOS-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.32	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
910	Big Bear-01 Joshua Tree 1992	6.46	41	379.32	strike slip	9.8	0.71	RSN910_BIGBEAR_JOS090.AT2 RSN910_BIGBEAR_JOS360.AT2 RSN910_BIGBEAR_JOS-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	0.43	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
947	Northridge-01 Arcadia - Arcadia Av 1994	6.69	39	330.5	Reverse	9	0.48	RSN947_NORTHR_ARC172.AT2 RSN947_NORTHR_ARC262.AT2 RSN947_NORTHR_ARC-UP.AT2

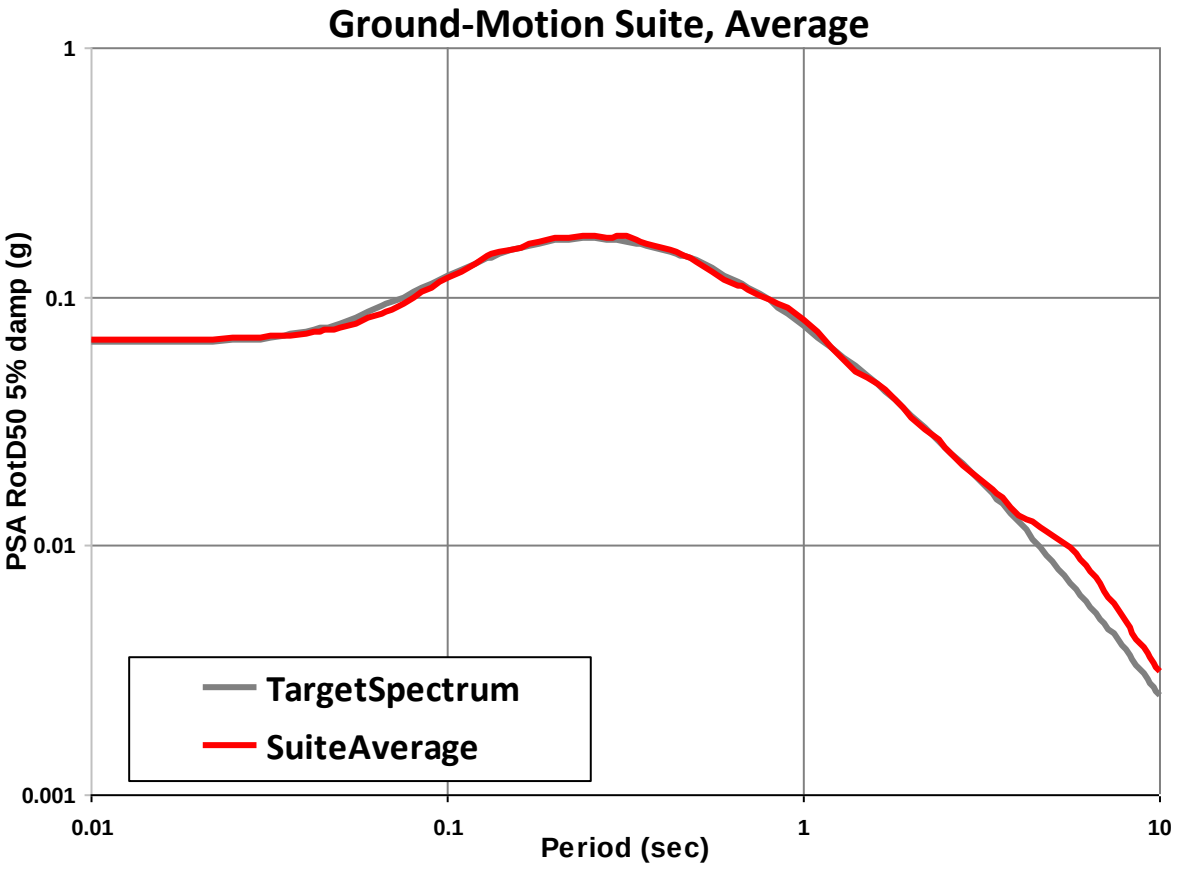
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	0.53	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	0.35	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.27	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	0.35	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1015	Northridge-01 LB - Rancho Los Cerritos 1994	6.69	48	302.73	Reverse	13	0.64	RSN1015_NORTHR_LBR000.AT2 RSN1015_NORTHR_LBR090.AT2 RSN1015_NORTHR_LBR-UP.AT2
1029	Northridge-01 Leona Valley #3 1994	6.69	37	499.31	Reverse	5.7	0.55	RSN1029_NORTHR_LV3000.AT2 RSN1029_NORTHR_LV3090.AT2 RSN1029_NORTHR_LV3-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	0.43	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.29	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1214	Chi-Chi, Taiwan CHY057 1999	7.62	57	411.46	Reverse O	25.2	0.96	RSN1214_CHICHI_CHY057-E.AT2 RSN1214_CHICHI_CHY057-N.AT2 RSN1214_CHICHI_CHY057-V.AT2
1348	Chi-Chi, Taiwan ILA064 1999	7.62	70	488.61	Reverse O	13.7	0.7	RSN1348_CHICHI_ILA064-N.AT2 RSN1348_CHICHI_ILA064-W.AT2 RSN1348_CHICHI_ILA064-V.AT2
1406	Chi-Chi, Taiwan SSD 1999	7.62	83	535.13	Reverse O	22.3	2.16	RSN1406_CHICHI_SSD-E.AT2 RSN1406_CHICHI_SSD-N.AT2 RSN1406_CHICHI_SSD-V.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	0.6	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1782	Hector Mine Forest Falls Post Office 1999	7.13	75	436.14	strike slip	10.5	0.75	RSN1782_HECTOR_FFP180.AT2 RSN1782_HECTOR_FFP270.AT2 RSN1782_HECTOR_FFP-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
1812	Hector Mine Mill Creek Ranger Station 1999	7.13	85	387.12	strike slip	14.4	0.84	RSN1812_HECTOR_MCR180.AT2 RSN1812_HECTOR_MCR270.AT2 RSN1812_HECTOR_MCR-UP.AT2
1838	Hector Mine Whitewater Trout Farm 1999	7.13	63	425.02	strike slip	13.5	0.84	RSN1838_HECTOR_WWT065.AT2 RSN1838_HECTOR_WWT155.AT2 RSN1838_HECTOR_WWT-UP.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	1.05	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2371	Chi-Chi, Taiwan-02 TCU051 1999	5.9	43	350.06	Reverse	11	1.44	RSN2371_CHICHI.02_TCU051N.AT2 RSN2371_CHICHI.02_TCU051E.AT2 RSN2371_CHICHI.02_TCU051V.AT2
2393	Chi-Chi, Taiwan-02 TCU082 1999	5.9	40	472.81	Reverse	9	1.47	RSN2393_CHICHI.02_TCU082N.AT2 RSN2393_CHICHI.02_TCU082E.AT2 RSN2393_CHICHI.02_TCU082V.AT2
2415	Chi-Chi, Taiwan-02 TCU116 1999	5.9	38	493.09	Reverse	7.6	1.24	RSN2415_CHICHI.02_TCU116N.AT2 RSN2415_CHICHI.02_TCU116E.AT2 RSN2415_CHICHI.02_TCU116V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	0.41	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2787	Chi-Chi, Taiwan-04 HWA039 1999	6.2	50	459.67	strike slip	11	2.17	RSN2787_CHICHI.04_HWA039N.AT2 RSN2787_CHICHI.04_HWA039E.AT2 RSN2787_CHICHI.04_HWA039V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.25	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	1.56	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	0.54	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	0.36	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3559	Taiwan SMART1(5) SMART1 I03 1981	5.9	25	314.88	Reverse	4.5	0.51	RSN3559_SMART1.05_05I03EW.AT2 RSN3559_SMART1.05_05I03NS.AT2 RSN3559_SMART1.05_05I03DN.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
3560	Taiwan SMART1(5) SMART1 I09 1981	5.9	26	309.41	Reverse	5	0.52	RSN3560_SMART1.05_05I09EW.AT2 RSN3560_SMART1.05_05I09NS.AT2 RSN3560_SMART1.05_05I09DN.AT2
3566	Taiwan SMART1(5) SMART1 M08 1981	5.9	25	301.05	Reverse	5.6	0.48	RSN3566_SMART1.05_05M08EW.AT RSN3566_SMART1.05_05M08NS.AT2 RSN3566_SMART1.05_05M08DN.AT2
3567	Taiwan SMART1(5) SMART1 M09 1981	5.9	25	321.63	Reverse	5.9	0.6	RSN3567_SMART1.05_05M09EW.AT RSN3567_SMART1.05_05M09NS.AT2 RSN3567_SMART1.05_05M09DN.AT2
3684	Whittier Narrows-02 Anaheim - W Ball Rd 1987	5.27	28	269.29	Reverse O	6.6	1.62	RSN3684_WHITTIER.B_B-WBA000.AT RSN3684_WHITTIER.B_B-WBA090.AT RSN3684_WHITTIER.B_B-WBA-UP.AT
3740	Whittier Narrows-02 Sylmar - Sayre St 1987	5.27	39	348.87	Reverse O	5.5	3.67	RSN3740_WHITTIER.B_B-SAY045.AT2 RSN3740_WHITTIER.B_B-SAY315.AT2 RSN3740_WHITTIER.B_B-SAY-UP.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	0.38	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5857	El Mayor-Cucapah Niland Fire Station 2010	7.2	67	212	strike slip	24.7	0.47	RSN5857_SIERRA.MEX_NIL360.AT2 RSN5857_SIERRA.MEX_NIL090.AT2 RSN5857_SIERRA.MEX_NIL-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.31	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	0.4	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	0.53	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8508	El Mayor-Cucapah Brunts Corner 2010	7.2	61	210.25	strike slip	33	0.64	RSN8508_SIERRA.MEX_CIBTCHNN.AT RSN8508_SIERRA.MEX_CIBTCHNE.AT RSN8508_SIERRA.MEX_CIBTCHNZ.AT
8805	14383980 Kerckhoff Marine Laboratory 2008	5.39	39	389.87	Reverse O	5.4	3.87	RSN8805_14383980_CIKMLHNN.AT2 RSN8805_14383980_CIKMLHNE.AT2 RSN8805_14383980_CIKMLHNZ.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

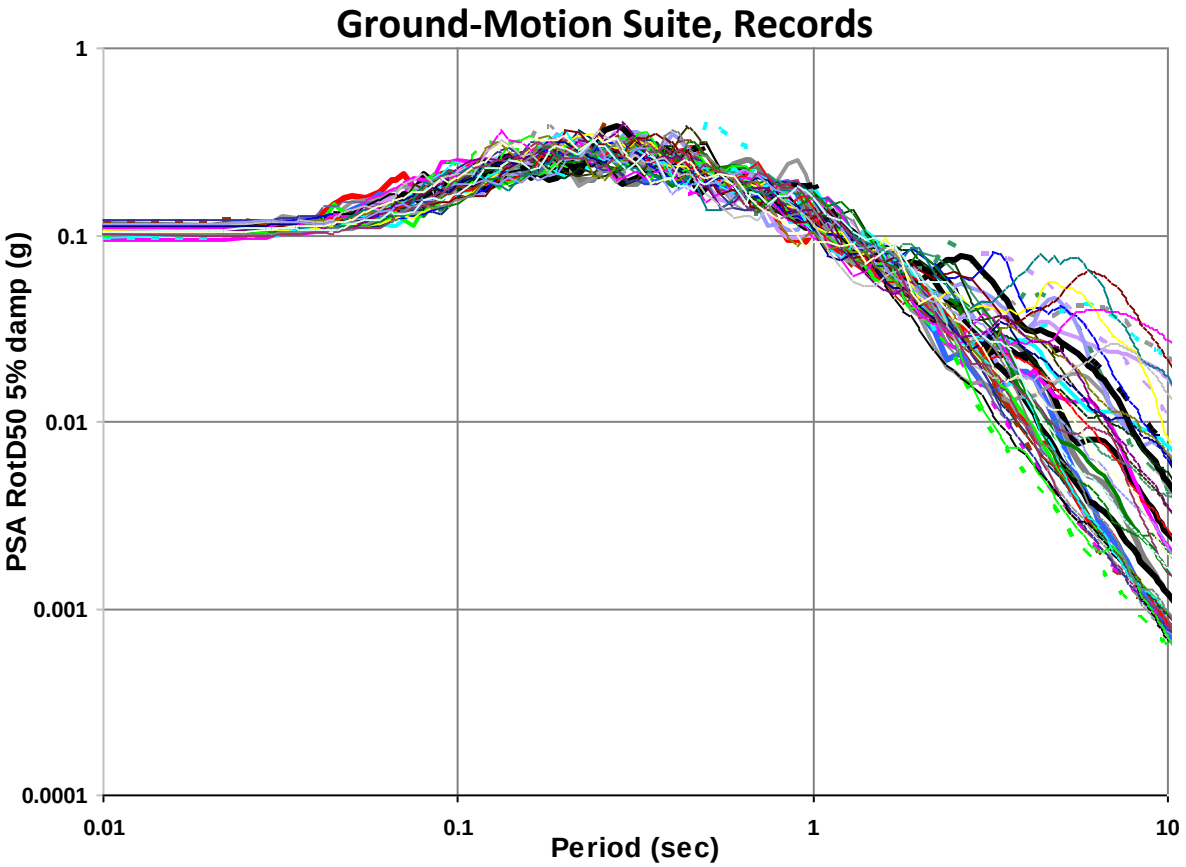
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.35	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.27	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	0.78	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
268	Victoria, Mexico SAHOP Casa Flores 1980	6.33	39	259.59	strike slip	6.8	0.79	RSN268_VICT_SHP010.AT2 RSN268_VICT_SHP280.AT2 RSN268_VICT_SHP-UP.AT2
298	Irpinia, Italy-02 Bovino 1980	6.2	44	356.39	Normal	9.6	2.28	RSN298_ITALY_B-BOV000.AT2 RSN298_ITALY_B-BOV270.AT2 RSN298_ITALY_B-BOV-UP.AT2
307	Taiwan SMART1(5) SMART1 I06 1981	5.9	25	309.41	Reverse	5	0.81	RSN307_SMART1.05_05I06EW.AT2 RSN307_SMART1.05_05I06NS.AT2 RSN307_SMART1.05_05I06DN.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	0.79	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
524	N. Palm Springs Joshua Tree 1986	6.06	23	379.32	Reverse O	6.2	1.18	RSN524_PALMSPR_JOS000.AT2 RSN524_PALMSPR_JOS090.AT2 RSN524_PALMSPR_JOS-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.32	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.47	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
947	Northridge-01 Arcadia - Arcadia Av 1994	6.69	39	330.5	Reverse	9	0.7	RSN947_NORTHR_ARC172.AT2 RSN947_NORTHR_ARC262.AT2 RSN947_NORTHR_ARC-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	0.77	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2

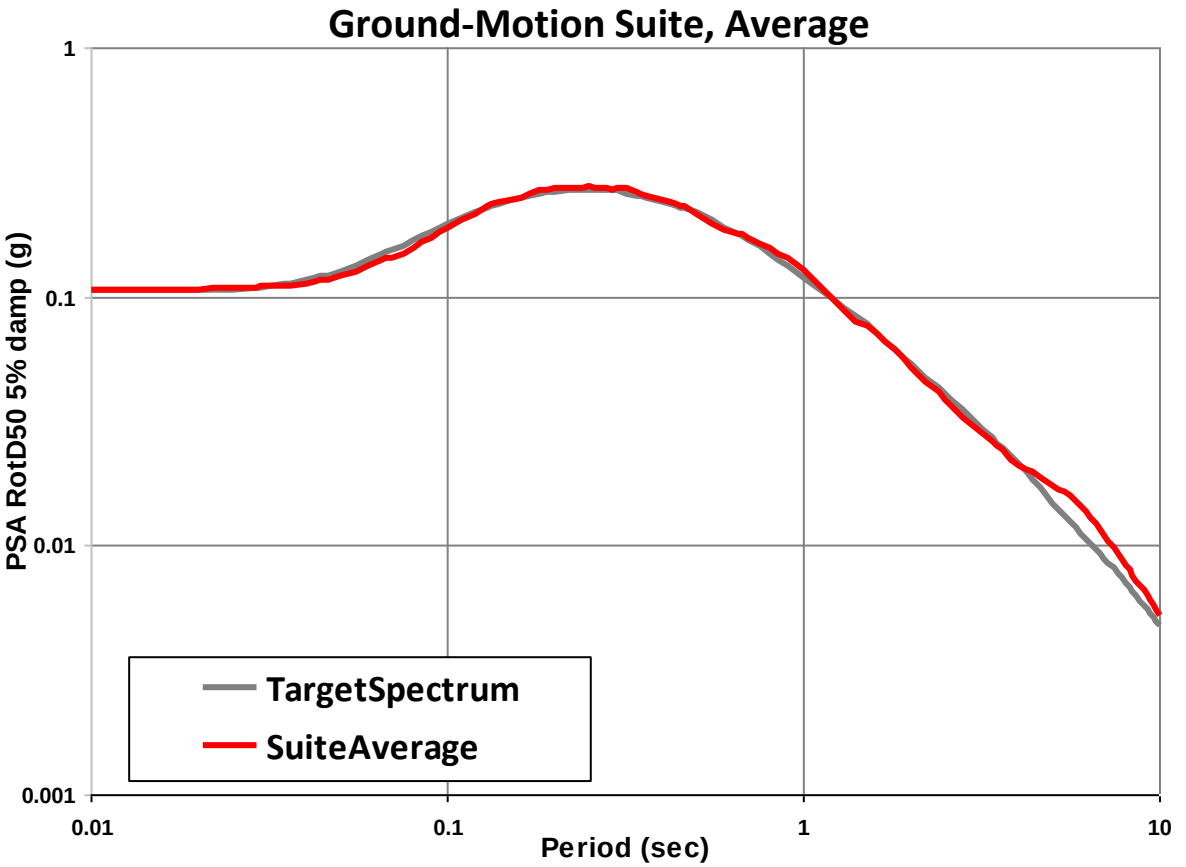
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
964	Northridge-01 Compton - Castlegate St 1994	6.69	43	266.9	Reverse	11.4	0.64	RSN964_NORTHR_CAS000.AT2 RSN964_NORTHR_CAS270.AT2 RSN964_NORTHR_CAS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.28	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	0.51	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.39	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	0.51	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1015	Northridge-01 LB - Rancho Los Cerritos 1994	6.69	48	302.73	Reverse	13	0.94	RSN1015_NORTHR_LBR000.AT2 RSN1015_NORTHR_LBR090.AT2 RSN1015_NORTHR_LBR-UP.AT2
1027	Northridge-01 Leona Valley #1 1994	6.69	37	499.31	Reverse	5.4	0.89	RSN1027_NORTHR_LV1000.AT2 RSN1027_NORTHR_LV1090.AT2 RSN1027_NORTHR_LV1-UP.AT2
1029	Northridge-01 Leona Valley #3 1994	6.69	37	499.31	Reverse	5.7	0.81	RSN1029_NORTHR_LV3000.AT2 RSN1029_NORTHR_LV3090.AT2 RSN1029_NORTHR_LV3-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	0.63	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.43	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1406	Chi-Chi, Taiwan SSD 1999	7.62	83	535.13	Reverse O	22.3	3.16	RSN1406_CHICHI_SSD-E.AT2 RSN1406_CHICHI_SSD-N.AT2 RSN1406_CHICHI_SSD-V.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	0.88	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1782	Hector Mine Forest Falls Post Office 1999	7.13	75	436.14	strike slip	10.5	1.1	RSN1782_HECTOR_FFP180.AT2 RSN1782_HECTOR_FFP270.AT2 RSN1782_HECTOR_FFP-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
1783	Hector Mine Fort Irwin 1999	7.13	65	367.43	strike slip	8.1	0.6	RSN1783_HECTOR_32577360.AT2 RSN1783_HECTOR_32577090.AT2 RSN1783_HECTOR_32577-UP.AT2
1812	Hector Mine Mill Creek Ranger Station 1999	7.13	85	387.12	strike slip	14.4	1.22	RSN1812_HECTOR_MCR180.AT2 RSN1812_HECTOR_MCR270.AT2 RSN1812_HECTOR_MCR-UP.AT2
1838	Hector Mine Whitewater Trout Farm 1999	7.13	63	425.02	strike slip	13.5	1.23	RSN1838_HECTOR_WWT065.AT2 RSN1838_HECTOR_WWT155.AT2 RSN1838_HECTOR_WWT-UP.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	1.54	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2371	Chi-Chi, Taiwan-02 TCU051 1999	5.9	43	350.06	Reverse	11	2.1	RSN2371_CHICHI.02_TCU051N.AT2 RSN2371_CHICHI.02_TCU051E.AT2 RSN2371_CHICHI.02_TCU051V.AT2
2393	Chi-Chi, Taiwan-02 TCU082 1999	5.9	40	472.81	Reverse	9	2.15	RSN2393_CHICHI.02_TCU082N.AT2 RSN2393_CHICHI.02_TCU082E.AT2 RSN2393_CHICHI.02_TCU082V.AT2
2415	Chi-Chi, Taiwan-02 TCU116 1999	5.9	38	493.09	Reverse	7.6	1.81	RSN2415_CHICHI.02_TCU116N.AT2 RSN2415_CHICHI.02_TCU116E.AT2 RSN2415_CHICHI.02_TCU116V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.36	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	0.59	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2787	Chi-Chi, Taiwan-04 HWA039 1999	6.2	50	459.67	strike slip	11	3.17	RSN2787_CHICHI.04_HWA039N.AT2 RSN2787_CHICHI.04_HWA039E.AT2 RSN2787_CHICHI.04_HWA039V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.36	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	2.29	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	0.79	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	0.53	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3559	Taiwan SMART1(5) SMART1 I03 1981	5.9	25	314.88	Reverse	4.5	0.75	RSN3559_SMART1.05_05I03EW.AT2 RSN3559_SMART1.05_05I03NS.AT2 RSN3559_SMART1.05_05I03DN.AT2
3560	Taiwan SMART1(5) SMART1 I09 1981	5.9	26	309.41	Reverse	5	0.75	RSN3560_SMART1.05_05I09EW.AT2 RSN3560_SMART1.05_05I09NS.AT2 RSN3560_SMART1.05_05I09DN.AT2
3684	Whittier Narrows-02 Anaheim - W Ball Rd 1987	5.27	28	269.29	Reverse O	6.6	2.37	RSN3684_WHITTIER.B_B-WBA000.AT RSN3684_WHITTIER.B_B-WBA090.AT RSN3684_WHITTIER.B_B-WBA-UP.AT
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.28	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	0.56	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5857	El Mayor-Cucapah Niland Fire Station 2010	7.2	67	212	strike slip	24.7	0.69	RSN5857_SIERRA.MEX_NIL360.AT2 RSN5857_SIERRA.MEX_NIL090.AT2 RSN5857_SIERRA.MEX_NIL-UP.AT2
6008	El Mayor-Cucapah Julian Eagle Mine 2010	7.2	92	501	strike slip	19.2	2.25	RSN6008_SIERRA.MEX_JEM360.AT2 RSN6008_SIERRA.MEX_JEM-90.AT2 RSN6008_SIERRA.MEX_JEM-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.45	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.26	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	0.58	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	0.77	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8508	El Mayor-Cucapah Brunts Corner 2010	7.2	61	210.25	strike slip	33	0.93	RSN8508_SIERRA.MEX_CIBTCHNN.AT RSN8508_SIERRA.MEX_CIBTCHNE.AT RSN8508_SIERRA.MEX_CIBTCHNZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

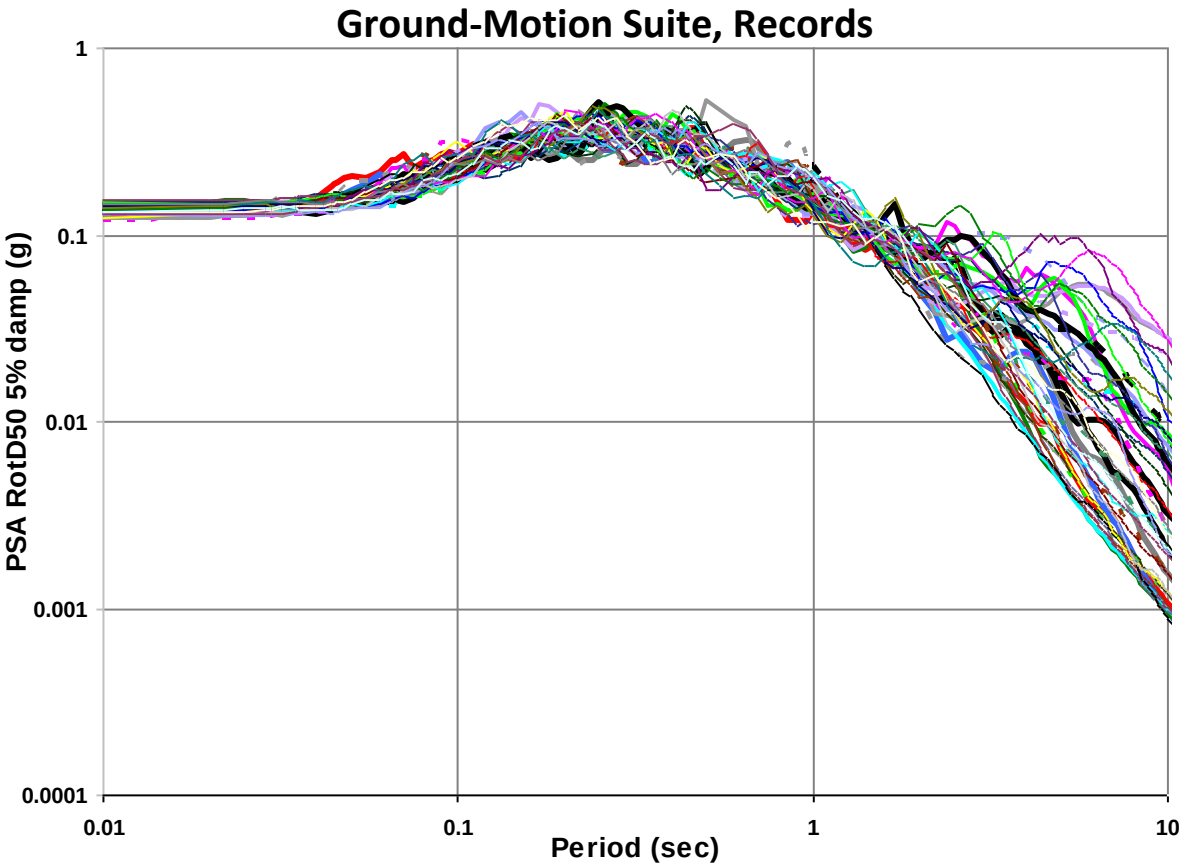
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.55	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.43	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	1.24	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
298	Irpinia, Italy-02 Bovino 1980	6.2	44	356.39	Normal	9.6	3.62	RSN298_ITALY_B-BOV000.AT2 RSN298_ITALY_B-BOV270.AT2 RSN298_ITALY_B-BOV-UP.AT2
307	Taiwan SMART1(5) SMART1 I06 1981	5.9	25	309.41	Reverse	5	1.29	RSN307_SMART1.05_05I06EW.AT2 RSN307_SMART1.05_05I06NS.AT2 RSN307_SMART1.05_05I06DN.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	1.26	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
524	N. Palm Springs Joshua Tree 1986	6.06	23	379.32	Reverse O	6.2	1.87	RSN524_PALMSPR_JOS000.AT2 RSN524_PALMSPR_JOS090.AT2 RSN524_PALMSPR_JOS-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.74	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	0.86	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
947	Northridge-01 Arcadia - Arcadia Av 1994	6.69	39	330.5	Reverse	9	1.11	RSN947_NORTHR_ARC172.AT2 RSN947_NORTHR_ARC262.AT2 RSN947_NORTHR_ARC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.34	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	1.23	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2

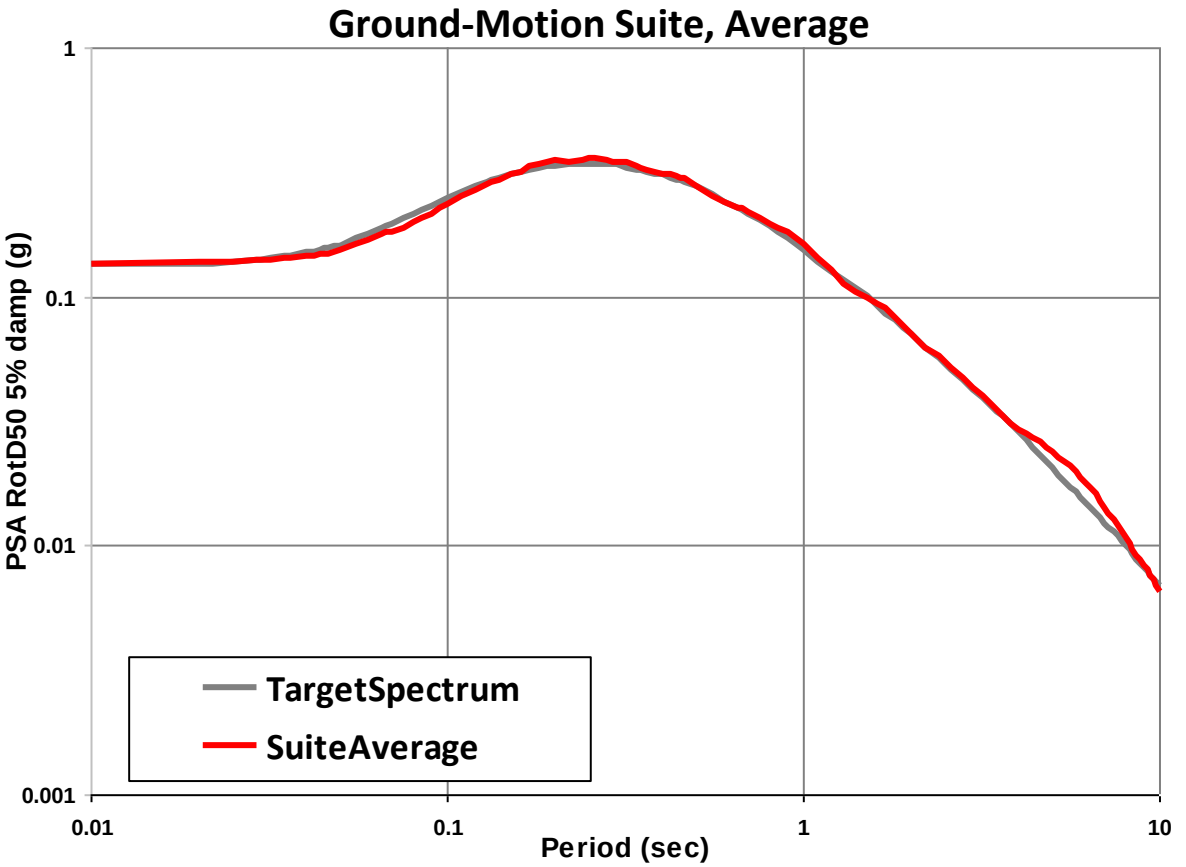
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
964	Northridge-01 Compton - Castlegate St 1994	6.69	43	266.9	Reverse	11.4	1.01	RSN964_NORTHR_CAS000.AT2 RSN964_NORTHR_CAS270.AT2 RSN964_NORTHR_CAS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.45	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	0.8	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.98	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.63	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	0.81	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1029	Northridge-01 Leona Valley #3 1994	6.69	37	499.31	Reverse	5.7	1.28	RSN1029_NORTHR_LV3000.AT2 RSN1029_NORTHR_LV3090.AT2 RSN1029_NORTHR_LV3-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.31	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.68	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.39	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	1.4	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1782	Hector Mine Forest Falls Post Office 1999	7.13	75	436.14	strike slip	10.5	1.75	RSN1782_HECTOR_FFP180.AT2 RSN1782_HECTOR_FFP270.AT2 RSN1782_HECTOR_FFP-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
1783	Hector Mine Fort Irwin 1999	7.13	65	367.43	strike slip	8.1	0.95	RSN1783_HECTOR_32577360.AT2 RSN1783_HECTOR_32577090.AT2 RSN1783_HECTOR_32577-UP.AT2
1812	Hector Mine Mill Creek Ranger Station 1999	7.13	85	387.12	strike slip	14.4	1.94	RSN1812_HECTOR_MCR180.AT2 RSN1812_HECTOR_MCR270.AT2 RSN1812_HECTOR_MCR-UP.AT2
1838	Hector Mine Whitewater Trout Farm 1999	7.13	63	425.02	strike slip	13.5	1.95	RSN1838_HECTOR_WWT065.AT2 RSN1838_HECTOR_WWT155.AT2 RSN1838_HECTOR_WWT-UP.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	2.44	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2393	Chi-Chi, Taiwan-02 TCU082 1999	5.9	40	472.81	Reverse	9	3.41	RSN2393_CHICHI.02_TCU082N.AT2 RSN2393_CHICHI.02_TCU082E.AT2 RSN2393_CHICHI.02_TCU082V.AT2
2415	Chi-Chi, Taiwan-02 TCU116 1999	5.9	38	493.09	Reverse	7.6	2.87	RSN2415_CHICHI.02_TCU116N.AT2 RSN2415_CHICHI.02_TCU116E.AT2 RSN2415_CHICHI.02_TCU116V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.57	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	0.94	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	3.64	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	1.26	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	0.84	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3559	Taiwan SMART1(5) SMART1 I03 1981	5.9	25	314.88	Reverse	4.5	1.19	RSN3559_SMART1.05_05I03EW.AT2 RSN3559_SMART1.05_05I03NS.AT2 RSN3559_SMART1.05_05I03DN.AT2
3560	Taiwan SMART1(5) SMART1 I09 1981	5.9	26	309.41	Reverse	5	1.2	RSN3560_SMART1.05_05I09EW.AT2 RSN3560_SMART1.05_05I09NS.AT2 RSN3560_SMART1.05_05I09DN.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
3577	Taiwan SMART1(5) SMART1 O10 1981	5.9	27	320.11	Reverse	2.8	1.15	RSN3577_SMART1.05_05O10EW.AT2 RSN3577_SMART1.05_05O10NS.AT2 RSN3577_SMART1.05_05O10DN.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.44	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.31	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	0.89	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5857	El Mayor-Cucapah Niland Fire Station 2010	7.2	67	212	strike slip	24.7	1.09	RSN5857_SIERRA.MEX_NIL360.AT2 RSN5857_SIERRA.MEX_NIL090.AT2 RSN5857_SIERRA.MEX_NIL-UP.AT2
6008	El Mayor-Cucapah Julian Eagle Mine 2010	7.2	92	501	strike slip	19.2	3.57	RSN6008_SIERRA.MEX_JEM360.AT2 RSN6008_SIERRA.MEX_JEM-90.AT2 RSN6008_SIERRA.MEX_JEM-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.72	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.41	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	0.92	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	1.22	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8508	El Mayor-Cucapah Brunts Corner 2010	7.2	61	210.25	strike slip	33	1.48	RSN8508_SIERRA.MEX_CIBTCHNN.AT RSN8508_SIERRA.MEX_CIBTCHNE.AT RSN8508_SIERRA.MEX_CIBTCHNZ.AT
8522	El Mayor-Cucapah Elmore'S Ranch 2010	7.2	51	238	strike slip	9.7	0.62	RSN8522_SIERRA.MEX_CIERRHNN.AT RSN8522_SIERRA.MEX_CIERRHNE.AT RSN8522_SIERRA.MEX_CIERRHNZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

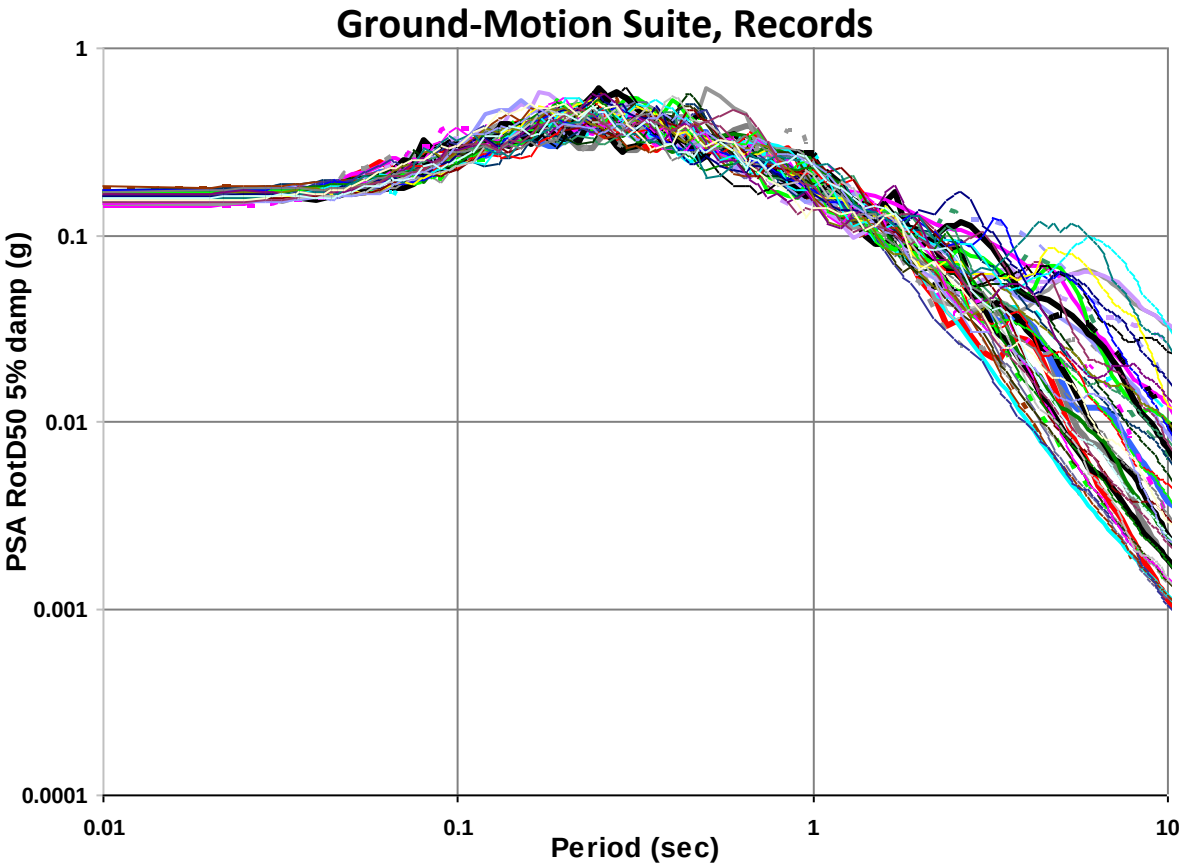
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.7	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.31	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.55	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	1.59	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
307	Taiwan SMART1(5) SMART1 I06 1981	5.9	25	309.41	Reverse	5	1.65	RSN307_SMART1.05_05I06EW.AT2 RSN307_SMART1.05_05I06NS.AT2 RSN307_SMART1.05_05I06DN.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	1.62	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
737	Loma Prieta Agnews State Hospital 1989	6.93	24	239.69	Reverse O	8.2	0.84	RSN737_LOMAP_AGW000.AT2 RSN737_LOMAP_AGW090.AT2 RSN737_LOMAP_AGW-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.95	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
836	Landers Baker Fire Station 1992	7.28	88	324.62	strike slip	11.7	1.34	RSN836_LANDERS_BAK050.AT2 RSN836_LANDERS_BAK140.AT2 RSN836_LANDERS_BAK-UP.AT2
947	Northridge-01 Arcadia - Arcadia Av 1994	6.69	39	330.5	Reverse	9	1.42	RSN947_NORTHR_ARC172.AT2 RSN947_NORTHR_ARC262.AT2 RSN947_NORTHR_ARC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.44	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	1.57	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2

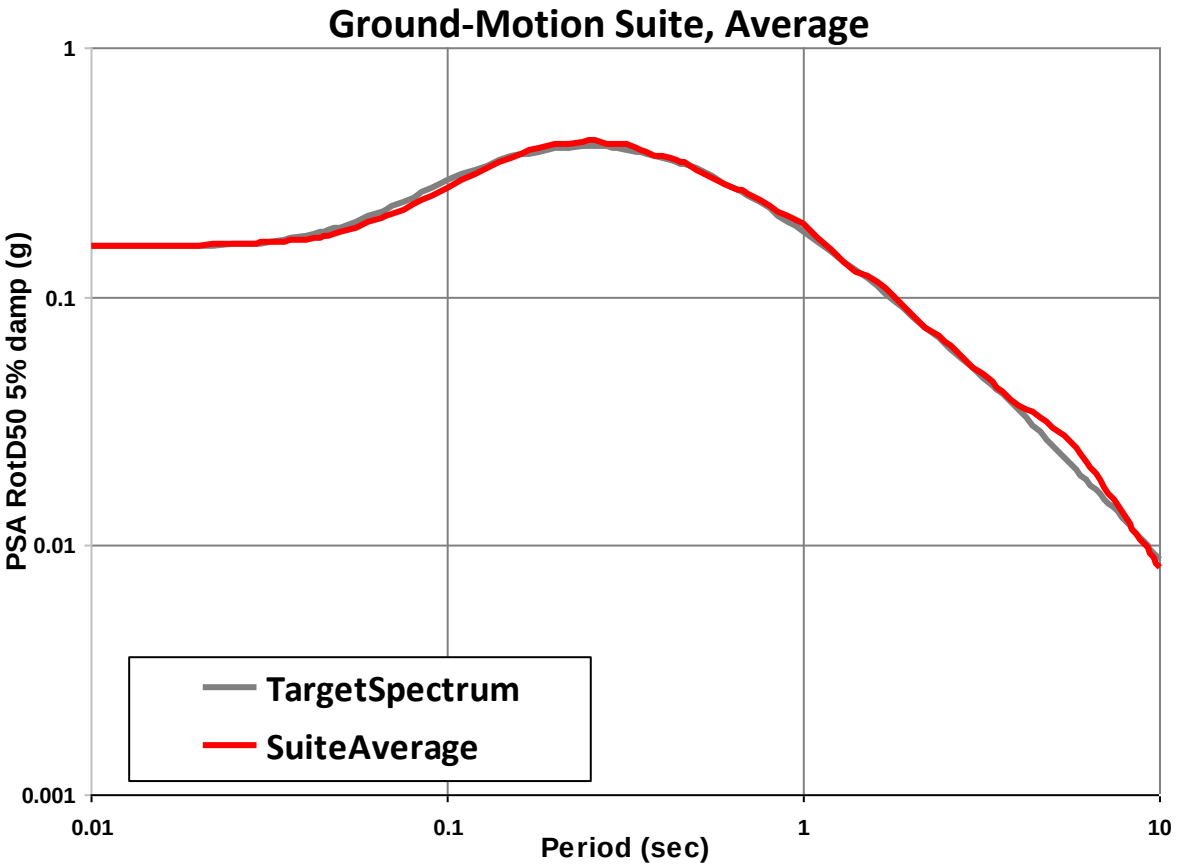
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.32	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
964	Northridge-01 Compton - Castlegate St 1994	6.69	43	266.9	Reverse	11.4	1.29	RSN964_NORTHR_CAS000.AT2 RSN964_NORTHR_CAS270.AT2 RSN964_NORTHR_CAS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.57	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	1.03	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	1.26	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.8	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.03	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1015	Northridge-01 LB - Rancho Los Cerritos 1994	6.69	48	302.73	Reverse	13	1.91	RSN1015_NORTHR_LBR000.AT2 RSN1015_NORTHR_LBR090.AT2 RSN1015_NORTHR_LBR-UP.AT2
1029	Northridge-01 Leona Valley #3 1994	6.69	37	499.31	Reverse	5.7	1.64	RSN1029_NORTHR_LV3000.AT2 RSN1029_NORTHR_LV3090.AT2 RSN1029_NORTHR_LV3-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.28	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.4	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.87	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.5	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	1.79	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1782	Hector Mine Forest Falls Post Office 1999	7.13	75	436.14	strike slip	10.5	2.24	RSN1782_HECTOR_FFP180.AT2 RSN1782_HECTOR_FFP270.AT2 RSN1782_HECTOR_FFP-UP.AT2
1783	Hector Mine Fort Irwin 1999	7.13	65	367.43	strike slip	8.1	1.22	RSN1783_HECTOR_32577360.AT2 RSN1783_HECTOR_32577090.AT2 RSN1783_HECTOR_32577-UP.AT2
1812	Hector Mine Mill Creek Ranger Station 1999	7.13	85	387.12	strike slip	14.4	2.49	RSN1812_HECTOR_MCR180.AT2 RSN1812_HECTOR_MCR270.AT2 RSN1812_HECTOR_MCR-UP.AT2
1838	Hector Mine Whitewater Trout Farm 1999	7.13	63	425.02	strike slip	13.5	2.5	RSN1838_HECTOR_WWT065.AT2 RSN1838_HECTOR_WWT155.AT2 RSN1838_HECTOR_WWT-UP.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	3.13	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.73	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.21	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.74	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	1.61	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	1.07	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3559	Taiwan SMART1(5) SMART1 I03 1981	5.9	25	314.88	Reverse	4.5	1.52	RSN3559_SMART1.05_05I03EW.AT2 RSN3559_SMART1.05_05I03NS.AT2 RSN3559_SMART1.05_05I03DN.AT2
3560	Taiwan SMART1(5) SMART1 I09 1981	5.9	26	309.41	Reverse	5	1.54	RSN3560_SMART1.05_05I09EW.AT2 RSN3560_SMART1.05_05I09NS.AT2 RSN3560_SMART1.05_05I09DN.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
3577	Taiwan SMART1(5) SMART1 O10 1981	5.9	27	320.11	Reverse	2.8	1.48	RSN3577_SMART1.05_05O10EW.AT2 RSN3577_SMART1.05_05O10NS.AT2 RSN3577_SMART1.05_05O10DN.AT2
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	0.79	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.57	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.4	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	1.14	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5857	El Mayor-Cucapah Niland Fire Station 2010	7.2	67	212	strike slip	24.7	1.4	RSN5857_SIERRA.MEX_NIL360.AT2 RSN5857_SIERRA.MEX_NIL090.AT2 RSN5857_SIERRA.MEX_NIL-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.92	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.53	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	1.18	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8508	El Mayor-Cucapah Brunts Corner 2010	7.2	61	210.25	strike slip	33	1.89	RSN8508_SIERRA.MEX_CIBTCHNN.AT RSN8508_SIERRA.MEX_CIBTCHNE.AT RSN8508_SIERRA.MEX_CIBTCHNZ.AT
8522	El Mayor-Cucapah Elmore'S Ranch 2010	7.2	51	238	strike slip	9.7	0.8	RSN8522_SIERRA.MEX_CIERRHNN.AT RSN8522_SIERRA.MEX_CIERRHNE.AT RSN8522_SIERRA.MEX_CIERRHNZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

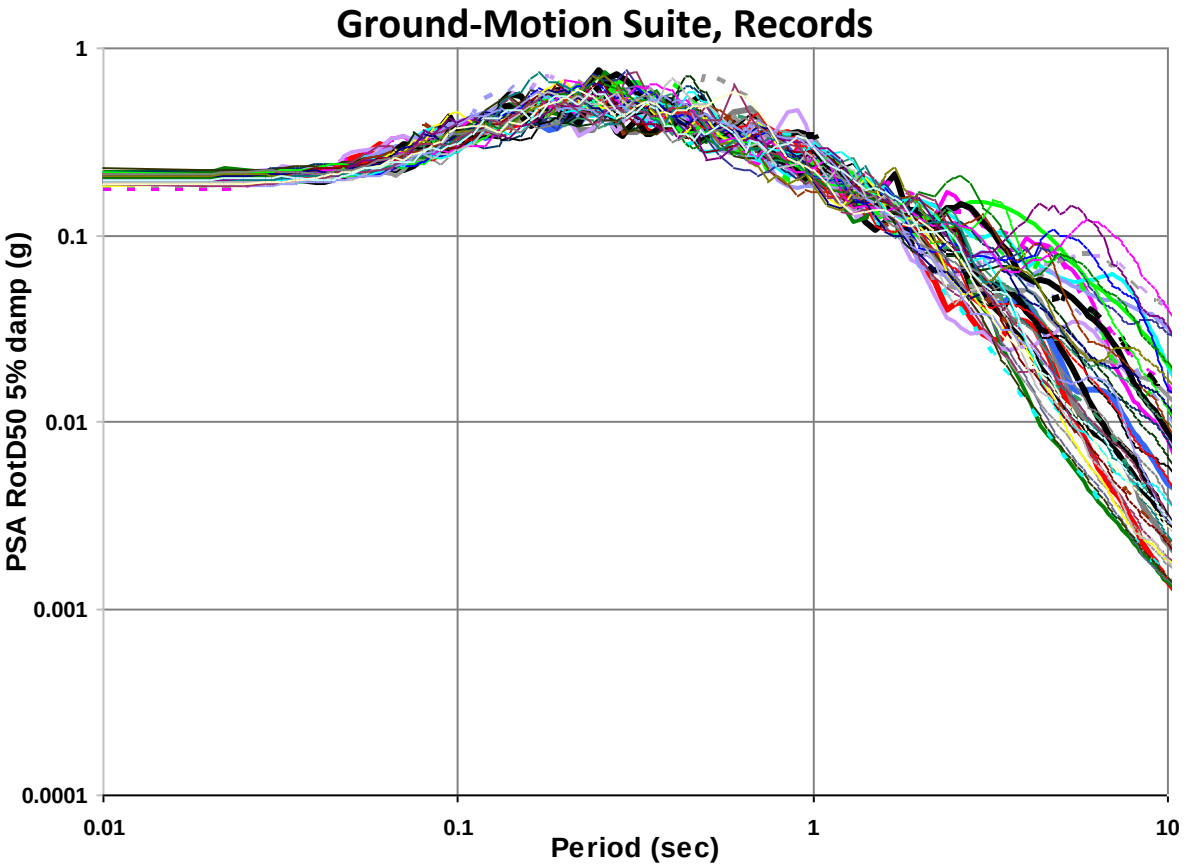
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.81	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.83	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.36	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.64	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	1.87	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
307	Taiwan SMART1(5) SMART1 I06 1981	5.9	25	309.41	Reverse	5	1.94	RSN307_SMART1.05_05I06EW.AT2 RSN307_SMART1.05_05I06NS.AT2 RSN307_SMART1.05_05I06DN.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	1.9	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
737	Loma Prieta Agnews State Hospital 1989	6.93	24	239.69	Reverse O	8.2	0.99	RSN737_LOMAP_AGW000.AT2 RSN737_LOMAP_AGW090.AT2 RSN737_LOMAP_AGW-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.12	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
836	Landers Baker Fire Station 1992	7.28	88	324.62	strike slip	11.7	1.57	RSN836_LANDERS_BAK050.AT2 RSN836_LANDERS_BAK140.AT2 RSN836_LANDERS_BAK-UP.AT2
947	Northridge-01 Arcadia - Arcadia Av 1994	6.69	39	330.5	Reverse	9	1.67	RSN947_NORTHR_ARC172.AT2 RSN947_NORTHR_ARC262.AT2 RSN947_NORTHR_ARC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.52	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2

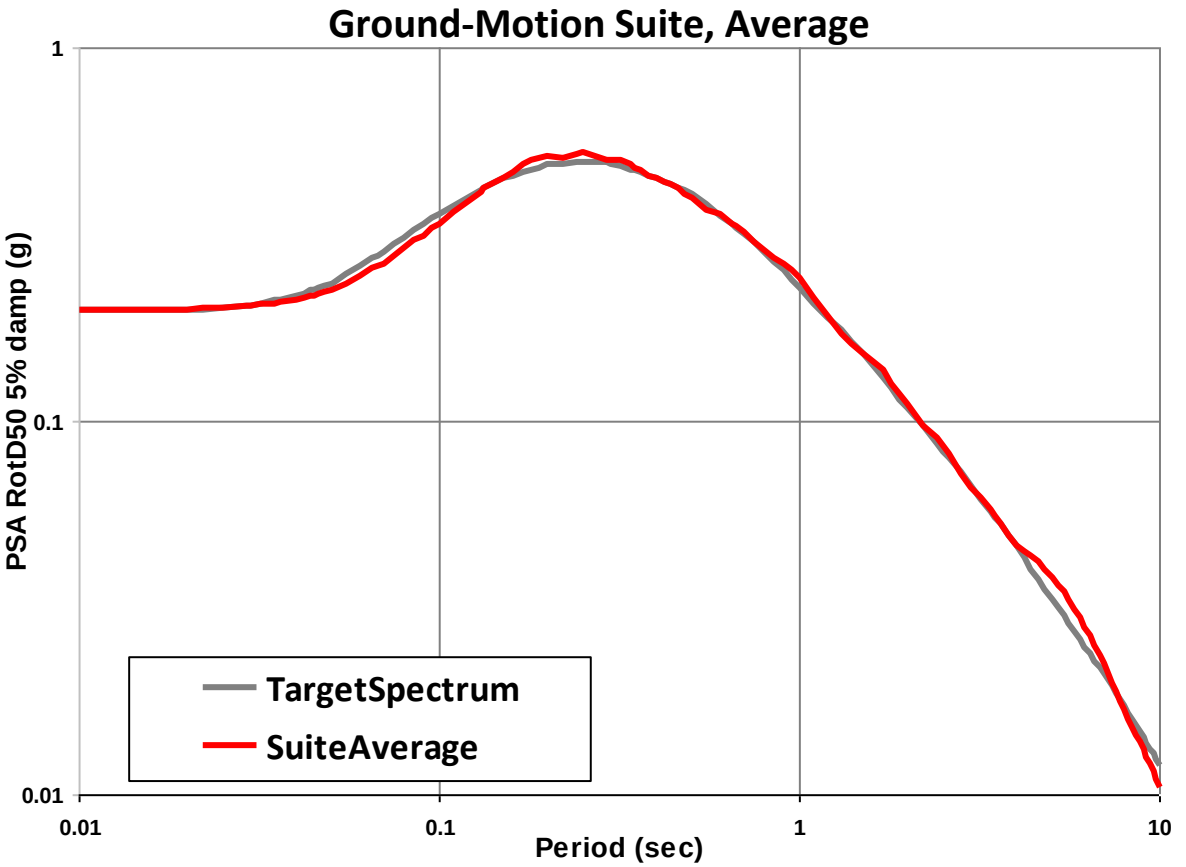
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	1.85	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.37	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
964	Northridge-01 Compton - Castlegate St 1994	6.69	43	266.9	Reverse	11.4	1.52	RSN964_NORTHR_CAS000.AT2 RSN964_NORTHR_CAS270.AT2 RSN964_NORTHR_CAS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.67	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	1.21	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.94	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.22	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1015	Northridge-01 LB - Rancho Los Cerritos 1994	6.69	48	302.73	Reverse	13	2.24	RSN1015_NORTHR_LBR000.AT2 RSN1015_NORTHR_LBR090.AT2 RSN1015_NORTHR_LBR-UP.AT2
1029	Northridge-01 Leona Valley #3 1994	6.69	37	499.31	Reverse	5.7	1.93	RSN1029_NORTHR_LV3000.AT2 RSN1029_NORTHR_LV3090.AT2 RSN1029_NORTHR_LV3-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.5	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.47	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.02	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.58	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	2.1	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1782	Hector Mine Forest Falls Post Office 1999	7.13	75	436.14	strike slip	10.5	2.64	RSN1782_HECTOR_FFP180.AT2 RSN1782_HECTOR_FFP270.AT2 RSN1782_HECTOR_FFP-UP.AT2
1783	Hector Mine Fort Irwin 1999	7.13	65	367.43	strike slip	8.1	1.43	RSN1783_HECTOR_32577360.AT2 RSN1783_HECTOR_32577090.AT2 RSN1783_HECTOR_32577-UP.AT2
1812	Hector Mine Mill Creek Ranger Station 1999	7.13	85	387.12	strike slip	14.4	2.92	RSN1812_HECTOR_MCR180.AT2 RSN1812_HECTOR_MCR270.AT2 RSN1812_HECTOR_MCR-UP.AT2
1838	Hector Mine Whitewater Trout Farm 1999	7.13	63	425.02	strike slip	13.5	2.94	RSN1838_HECTOR_WWT065.AT2 RSN1838_HECTOR_WWT155.AT2 RSN1838_HECTOR_WWT-UP.AT2
2253	Chi-Chi, Taiwan-02 HWA049 1999	5.9	44	508.61	Reverse	8.1	3.68	RSN2253_CHICHI.02_HWA049N.AT2 RSN2253_CHICHI.02_HWA049W.AT2 RSN2253_CHICHI.02_HWA049V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.85	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.42	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	0.87	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	1.89	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	1.26	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3559	Taiwan SMART1(5) SMART1 I03 1981	5.9	25	314.88	Reverse	4.5	1.79	RSN3559_SMART1.05_05I03EW.AT2 RSN3559_SMART1.05_05I03NS.AT2 RSN3559_SMART1.05_05I03DN.AT2
3577	Taiwan SMART1(5) SMART1 O10 1981	5.9	27	320.11	Reverse	2.8	1.74	RSN3577_SMART1.05_05O10EW.AT2 RSN3577_SMART1.05_05O10NS.AT2 RSN3577_SMART1.05_05O10DN.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	0.93	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.67	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4804	Wenchuan, China Pujiangwuxing 2008	7.9	64	337.92	Reverse O	61.8	1.46	RSN4804_WENCHUAN_UA1103.AT2 RSN4804_WENCHUAN_UA1102.AT2 RSN4804_WENCHUAN_UA1104.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.53	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.47	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	1.34	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5857	El Mayor-Cucapah Niland Fire Station 2010	7.2	67	212	strike slip	24.7	1.65	RSN5857_SIERRA.MEX_NIL360.AT2 RSN5857_SIERRA.MEX_NIL090.AT2 RSN5857_SIERRA.MEX_NIL-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.08	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.62	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	1.39	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8508	El Mayor-Cucapah Brunts Corner 2010	7.2	61	210.25	strike slip	33	2.23	RSN8508_SIERRA.MEX_CIBTCHNN.AT RSN8508_SIERRA.MEX_CIBTCHNE.AT RSN8508_SIERRA.MEX_CIBTCHNZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

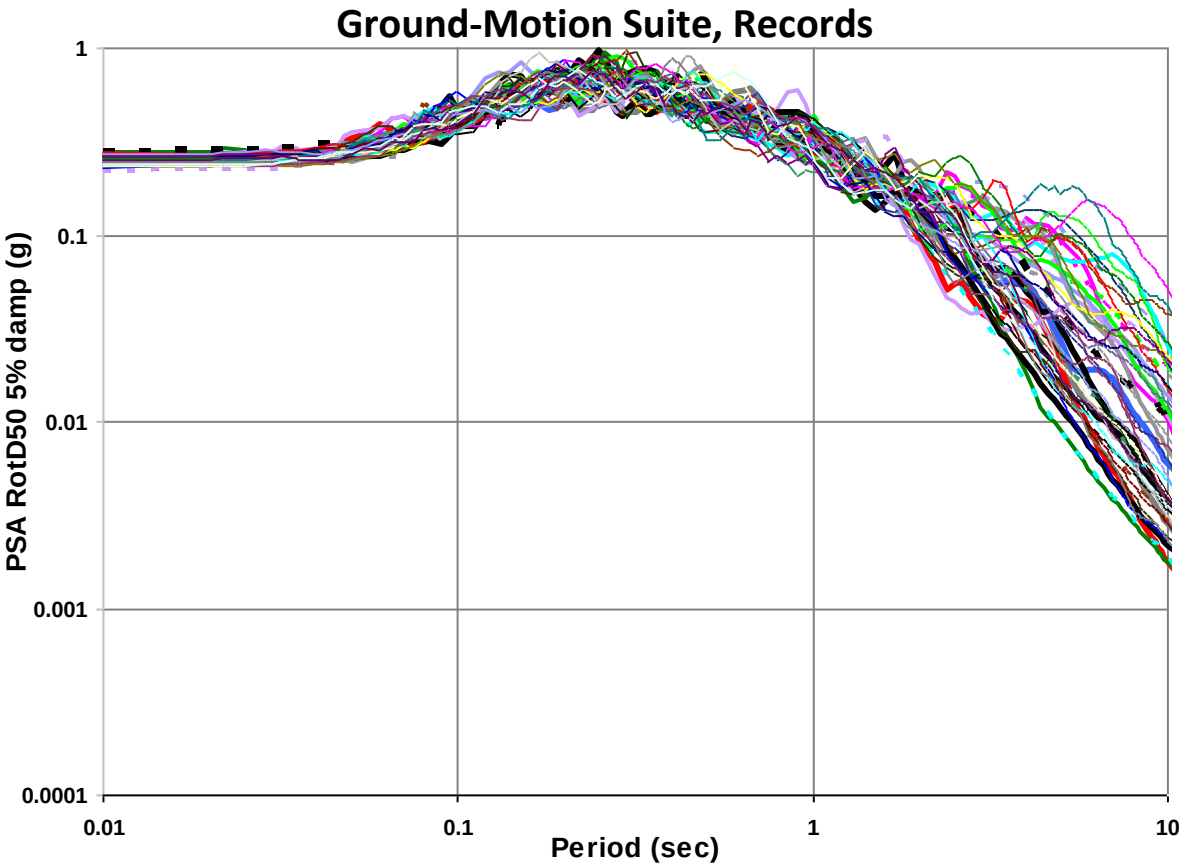
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.38	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.45	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.8	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	2.31	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
307	Taiwan SMART1(5) SMART1 I06 1981	5.9	25	309.41	Reverse	5	2.41	RSN307_SMART1.05_05I06EW.AT2 RSN307_SMART1.05_05I06NS.AT2 RSN307_SMART1.05_05I06DN.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	2.36	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
737	Loma Prieta Agnews State Hospital 1989	6.93	24	239.69	Reverse O	8.2	1.23	RSN737_LOMAP_AGW000.AT2 RSN737_LOMAP_AGW090.AT2 RSN737_LOMAP_AGW-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.39	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
836	Landers Baker Fire Station 1992	7.28	88	324.62	strike slip	11.7	1.95	RSN836_LANDERS_BAK050.AT2 RSN836_LANDERS_BAK140.AT2 RSN836_LANDERS_BAK-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	1.87	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
947	Northridge-01 Arcadia - Arcadia Av 1994	6.69	39	330.5	Reverse	9	2.07	RSN947_NORTHR_ARC172.AT2 RSN947_NORTHR_ARC262.AT2 RSN947_NORTHR_ARC-UP.AT2

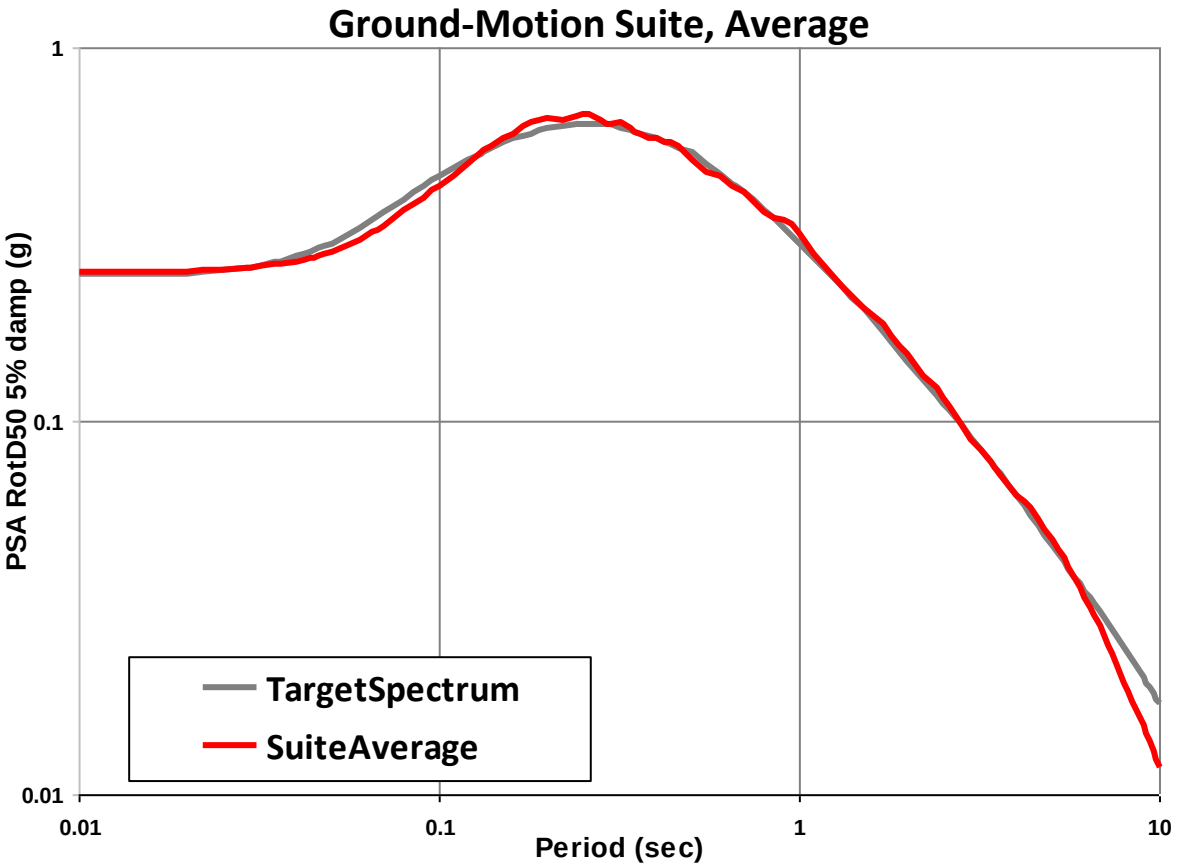
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.64	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	2.3	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.5	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.46	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.83	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	1.5	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.17	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.51	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1015	Northridge-01 LB - Rancho Los Cerritos 1994	6.69	48	302.73	Reverse	13	2.78	RSN1015_NORTHR_LBR000.AT2 RSN1015_NORTHR_LBR090.AT2 RSN1015_NORTHR_LBR-UP.AT2
1028	Northridge-01 Leona Valley #2 1994	6.69	37	435.64	Reverse	5.9	2.71	RSN1028_NORTHR_LV2000.AT2 RSN1028_NORTHR_LV2090.AT2 RSN1028_NORTHR_LV2-UP.AT2
1029	Northridge-01 Leona Valley #3 1994	6.69	37	499.31	Reverse	5.7	2.4	RSN1029_NORTHR_LV3000.AT2 RSN1029_NORTHR_LV3090.AT2 RSN1029_NORTHR_LV3-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.87	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.58	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.27	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.72	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	2.61	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1782	Hector Mine Forest Falls Post Office 1999	7.13	75	436.14	strike slip	10.5	3.27	RSN1782_HECTOR_FFP180.AT2 RSN1782_HECTOR_FFP270.AT2 RSN1782_HECTOR_FFP-UP.AT2
1783	Hector Mine Fort Irwin 1999	7.13	65	367.43	strike slip	8.1	1.77	RSN1783_HECTOR_32577360.AT2 RSN1783_HECTOR_32577090.AT2 RSN1783_HECTOR_32577-UP.AT2
1812	Hector Mine Mill Creek Ranger Station 1999	7.13	85	387.12	strike slip	14.4	3.63	RSN1812_HECTOR_MCR180.AT2 RSN1812_HECTOR_MCR270.AT2 RSN1812_HECTOR_MCR-UP.AT2
1838	Hector Mine Whitewater Trout Farm 1999	7.13	63	425.02	strike slip	13.5	3.65	RSN1838_HECTOR_WWT065.AT2 RSN1838_HECTOR_WWT155.AT2 RSN1838_HECTOR_WWT-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.06	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.76	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	1.07	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	2.35	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	1.56	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3577	Taiwan SMART1(5) SMART1 O10 1981	5.9	27	320.11	Reverse	2.8	2.15	RSN3577_SMART1.05_05O10EW.AT2 RSN3577_SMART1.05_05O10NS.AT2 RSN3577_SMART1.05_05O10DN.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	1.16	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.26	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4804	Wenchuan, China Pujiangwuxing 2008	7.9	64	337.92	Reverse O	61.8	1.81	RSN4804_WENCHUAN_UA1103.AT2 RSN4804_WENCHUAN_UA1102.AT2 RSN4804_WENCHUAN_UA1104.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.66	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.58	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	1.66	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5857	El Mayor-Cucapah Niland Fire Station 2010	7.2	67	212	strike slip	24.7	2.04	RSN5857_SIERRA.MEX_NIL360.AT2 RSN5857_SIERRA.MEX_NIL090.AT2 RSN5857_SIERRA.MEX_NIL-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.34	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.77	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	1.72	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8508	El Mayor-Cucapah Brunts Corner 2010	7.2	61	210.25	strike slip	33	2.76	RSN8508_SIERRA.MEX_CIBTCHNN.AT RSN8508_SIERRA.MEX_CIBTCHNE.AT RSN8508_SIERRA.MEX_CIBTCHNZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

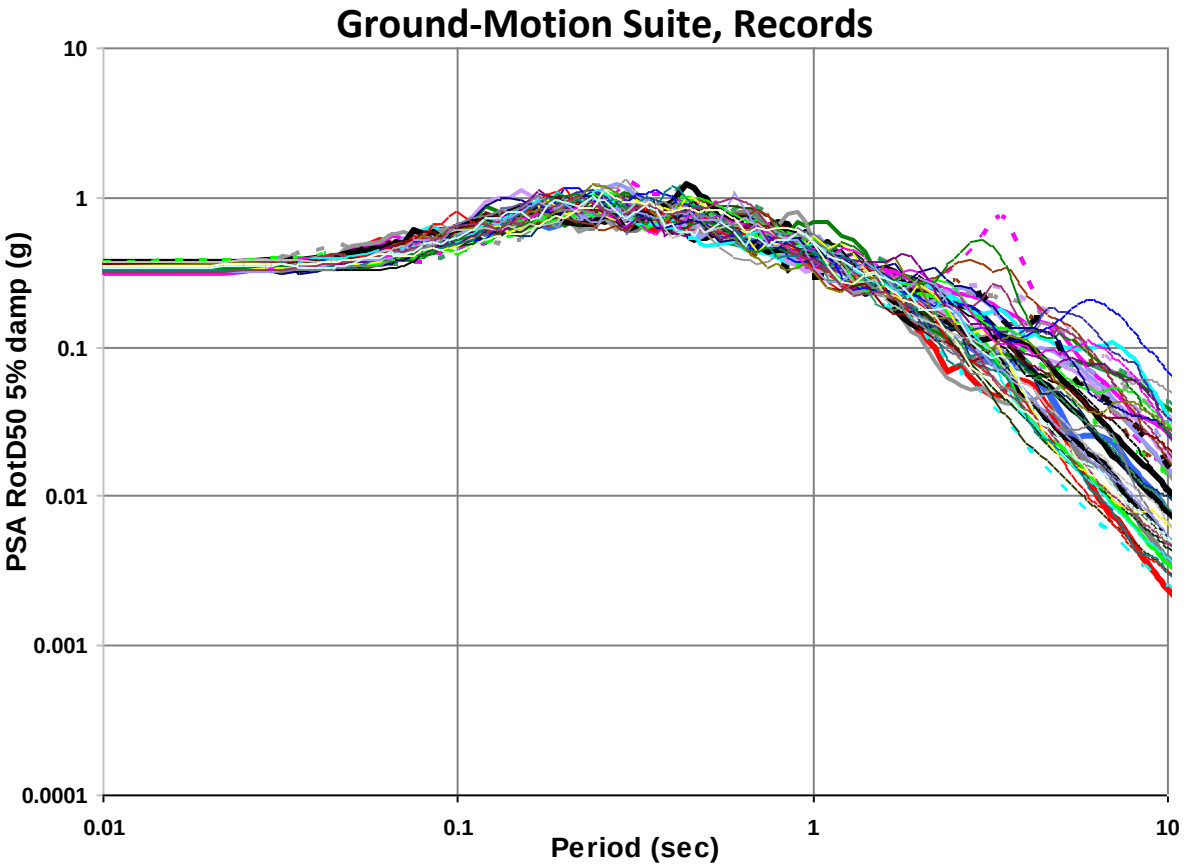
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.28	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.76	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.57	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.02	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
312	Taiwan SMART1(5) SMART1 O07 1981	5.9	24	314.33	Reverse	4.1	3.01	RSN312_SMART1.05_05O07EW.AT2 RSN312_SMART1.05_05O07NS.AT2 RSN312_SMART1.05_05O07DN.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.82	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
737	Loma Prieta Agnews State Hospital 1989	6.93	24	239.69	Reverse O	8.2	1.57	RSN737_LOMAP_AGW000.AT2 RSN737_LOMAP_AGW090.AT2 RSN737_LOMAP_AGW-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.77	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
832	Landers Amboy 1992	7.28	69	382.93	strike slip	17.1	1.78	RSN832_LANDERS_ABY000.AT2 RSN832_LANDERS_ABY090.AT2 RSN832_LANDERS_ABY-UP.AT2
836	Landers Baker Fire Station 1992	7.28	88	324.62	strike slip	11.7	2.49	RSN836_LANDERS_BAK050.AT2 RSN836_LANDERS_BAK140.AT2 RSN836_LANDERS_BAK-UP.AT2
930	Big Bear-01 San Bernardino - 2nd & Arrowhead 1992	6.46	34	325.83	strike slip	10.8	2.39	RSN930_BIGBEAR_SB2270.AT2 RSN930_BIGBEAR_SB2360.AT2 RSN930_BIGBEAR_SB2-UP.AT2
947	Northridge-01 Arcadia - Arcadia Av 1994	6.69	39	330.5	Reverse	9	2.65	RSN947_NORTHR_ARC172.AT2 RSN947_NORTHR_ARC262.AT2 RSN947_NORTHR_ARC-UP.AT2

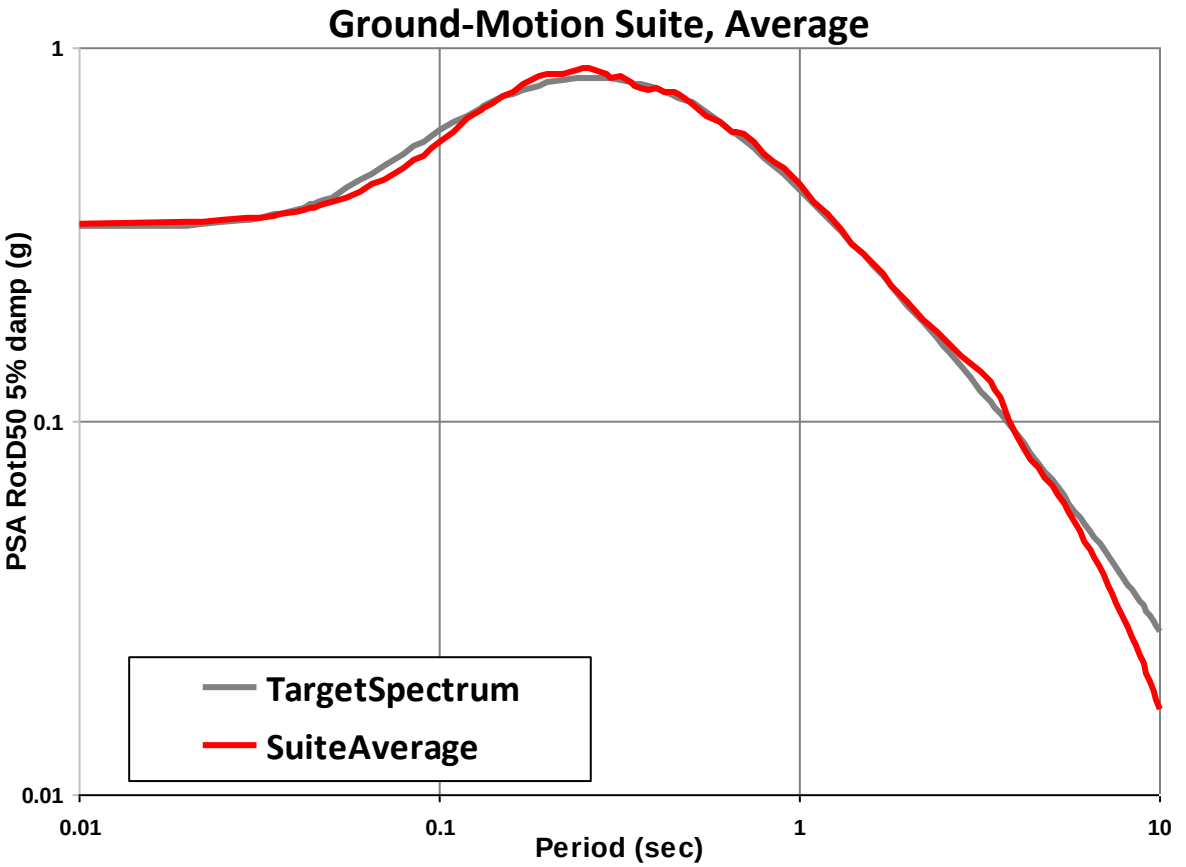
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.82	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	2.93	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.64	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.59	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.06	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	1.92	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.49	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.92	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1015	Northridge-01 LB - Rancho Los Cerritos 1994	6.69	48	302.73	Reverse	13	3.55	RSN1015_NORTHR_LBR000.AT2 RSN1015_NORTHR_LBR090.AT2 RSN1015_NORTHR_LBR-UP.AT2
1028	Northridge-01 Leona Valley #2 1994	6.69	37	435.64	Reverse	5.9	3.46	RSN1028_NORTHR_LV2000.AT2 RSN1028_NORTHR_LV2090.AT2 RSN1028_NORTHR_LV2-UP.AT2
1029	Northridge-01 Leona Valley #3 1994	6.69	37	499.31	Reverse	5.7	3.06	RSN1029_NORTHR_LV3000.AT2 RSN1029_NORTHR_LV3090.AT2 RSN1029_NORTHR_LV3-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	2.38	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.74	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.62	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.92	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
1768	Hector Mine Barstow 1999	7.13	61	370.08	strike slip	10.1	3.66	RSN1768_HECTOR_BRS090.AT2 RSN1768_HECTOR_BRS360.AT2 RSN1768_HECTOR_BRS-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	3.33	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
1783	Hector Mine Fort Irwin 1999	7.13	65	367.43	strike slip	8.1	2.26	RSN1783_HECTOR_32577360.AT2 RSN1783_HECTOR_32577090.AT2 RSN1783_HECTOR_32577-UP.AT2
1816	Hector Mine North Palm Springs Fire Sta #36 1999	7.13	62	367.84	strike slip	13.8	3.49	RSN1816_HECTOR_NPF180.AT2 RSN1816_HECTOR_NPF270.AT2 RSN1816_HECTOR_NPF-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.35	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.25	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	1.37	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	2.99	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	2	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3852	Chi-Chi (aftershock 3), Taiwan CHY006 1999	6.2	25	438.19	strike slip	5.8	2.2	RSN3852_CHICHI.04_CHY006N.AT2 RSN3852_CHICHI.04_CHY006E.AT2 RSN3852_CHICHI.04_CHY006V.AT2
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	1.47	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.21	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.33	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4804	Wenchuan, China Pujiangwuxing 2008	7.9	64	337.92	Reverse O	61.8	2.31	RSN4804_WENCHUAN_UA1103.AT2 RSN4804_WENCHUAN_UA1102.AT2 RSN4804_WENCHUAN_UA1104.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.84	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.75	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2.12	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5857	El Mayor-Cucapah Niland Fire Station 2010	7.2	67	212	strike slip	24.7	2.61	RSN5857_SIERRA.MEX_NIL360.AT2 RSN5857_SIERRA.MEX_NIL090.AT2 RSN5857_SIERRA.MEX_NIL-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.71	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	0.99	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.99	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	2.2	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8508	El Mayor-Cucapah Brunts Corner 2010	7.2	61	210.25	strike slip	33	3.53	RSN8508_SIERRA.MEX_CIBTCHNN.AT RSN8508_SIERRA.MEX_CIBTCHNE.AT RSN8508_SIERRA.MEX_CIBTCHNZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

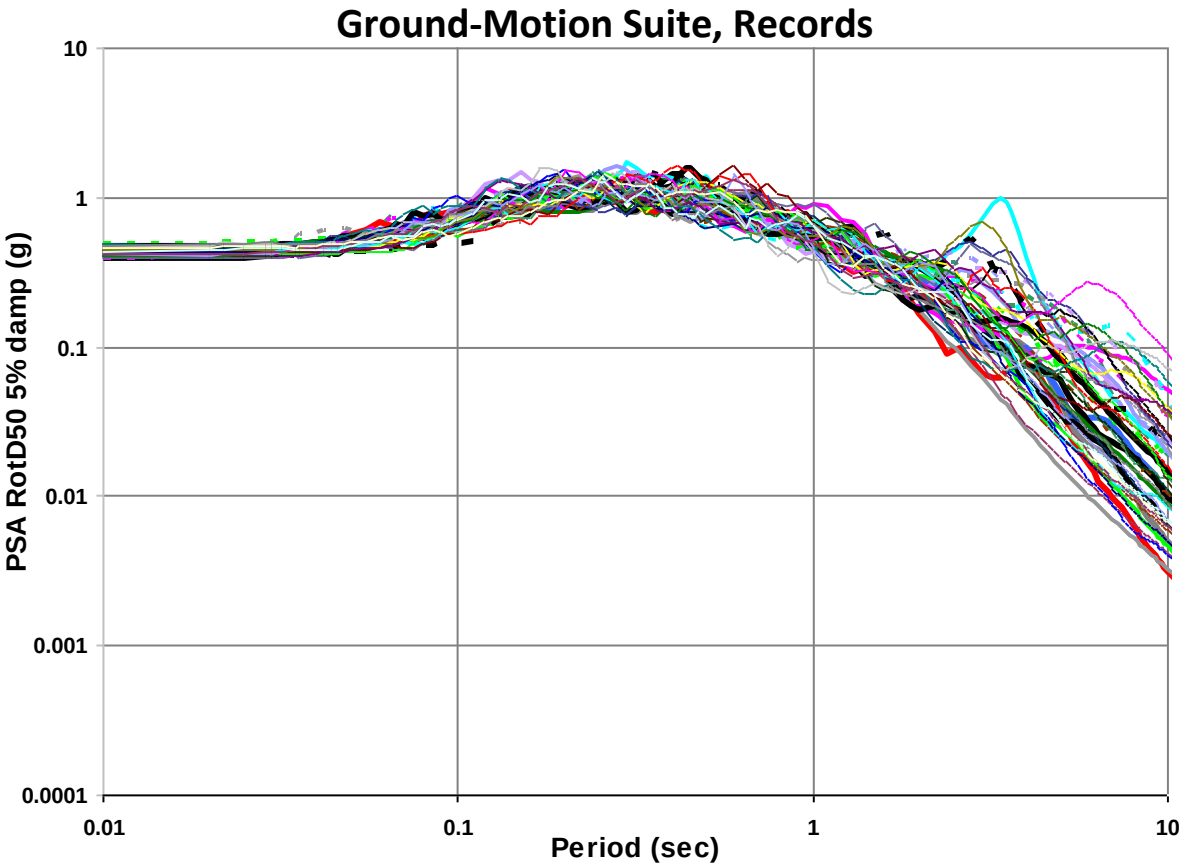
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.37	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.73	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.38	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.9	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.77	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.38	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.41	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.46	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.61	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.18	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	2.39	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	1.61	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2

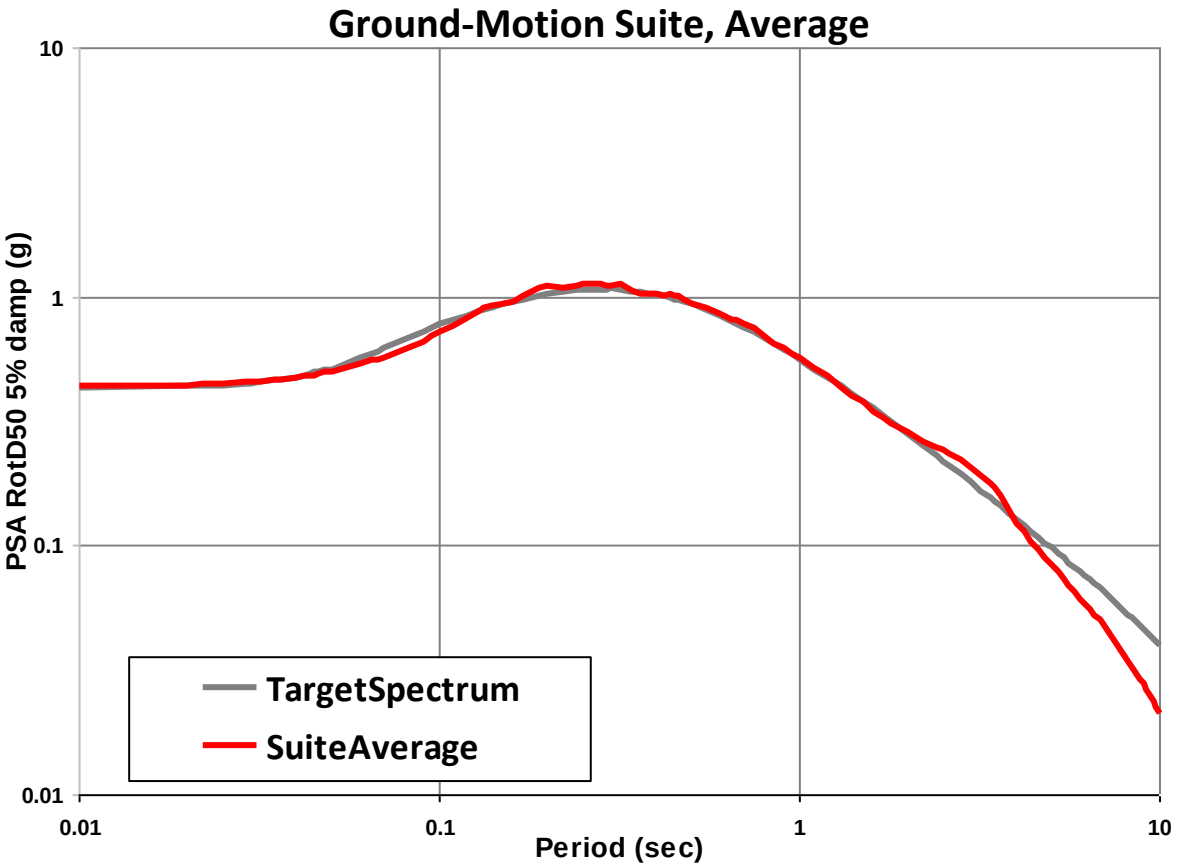
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
832	Landers Amboy 1992	7.28	69	382.93	strike slip	17.1	2.4	RSN832_LANDERS_ABY000.AT2 RSN832_LANDERS_ABY090.AT2 RSN832_LANDERS_ABY-UP.AT2
836	Landers Baker Fire Station 1992	7.28	88	324.62	strike slip	11.7	3.36	RSN836_LANDERS_BAK050.AT2 RSN836_LANDERS_BAK140.AT2 RSN836_LANDERS_BAK-UP.AT2
947	Northridge-01 Arcadia - Arcadia Av 1994	6.69	39	330.5	Reverse	9	3.57	RSN947_NORTHR_ARC172.AT2 RSN947_NORTHR_ARC262.AT2 RSN947_NORTHR_ARC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.11	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	3.96	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.87	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.79	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.69	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.43	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.59	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	2.02	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.6	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.99	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.54	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.19	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1149	Kocaeli, Turkey Atakoy 1999	7.51	56	310.01	strike slip	10.9	2.77	RSN1149_KOCAELI_ATK000.AT2 RSN1149_KOCAELI_ATK090.AT2 RSN1149_KOCAELI_ATK-UP.AT2
1177	Kocaeli, Turkey Zeytinburnu 1999	7.51	52	341.56	strike slip	17.4	3.12	RSN1177_KOCAELI_ZYT000.AT2 RSN1177_KOCAELI_ZYT090.AT2 RSN1177_KOCAELI_ZYT-UP.AT2
1634	Manjil, Iran Abhar 1990	7.37	76	302.64	strike slip	15.6	1.78	RSN1634_MANJIL_184057.AT2 RSN1634_MANJIL_184327.AT2 RSN1634_MANJIL_184-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.25	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
1783	Hector Mine Fort Irwin 1999	7.13	65	367.43	strike slip	8.1	3.05	RSN1783_HECTOR_32577360.AT2 RSN1783_HECTOR_32577090.AT2 RSN1783_HECTOR_32577-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.82	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	3.03	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	1.85	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	2.69	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	1.99	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.64	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
4804	Wenchuan, China Pujiangwuxing 2008	7.9	64	337.92	Reverse O	61.8	3.12	RSN4804_WENCHUAN_UA1103.AT2 RSN4804_WENCHUAN_UA1102.AT2 RSN4804_WENCHUAN_UA1104.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.14	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.01	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	1.78	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2.87	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5857	El Mayor-Cucapah Niland Fire Station 2010	7.2	67	212	strike slip	24.7	3.52	RSN5857_SIERRA.MEX_NIL360.AT2 RSN5857_SIERRA.MEX_NIL090.AT2 RSN5857_SIERRA.MEX_NIL-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	2.3	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.33	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.33	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	2.97	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8492	El Mayor-Cucapah Salton Sea Wildlife Refuge 2010	7.2	58	191.14	strike slip	15.6	3.21	RSN8492_SIERRA.MEX_N5062HLN.AT RSN8492_SIERRA.MEX_N5062HLE.AT RSN8492_SIERRA.MEX_N5062HLZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**

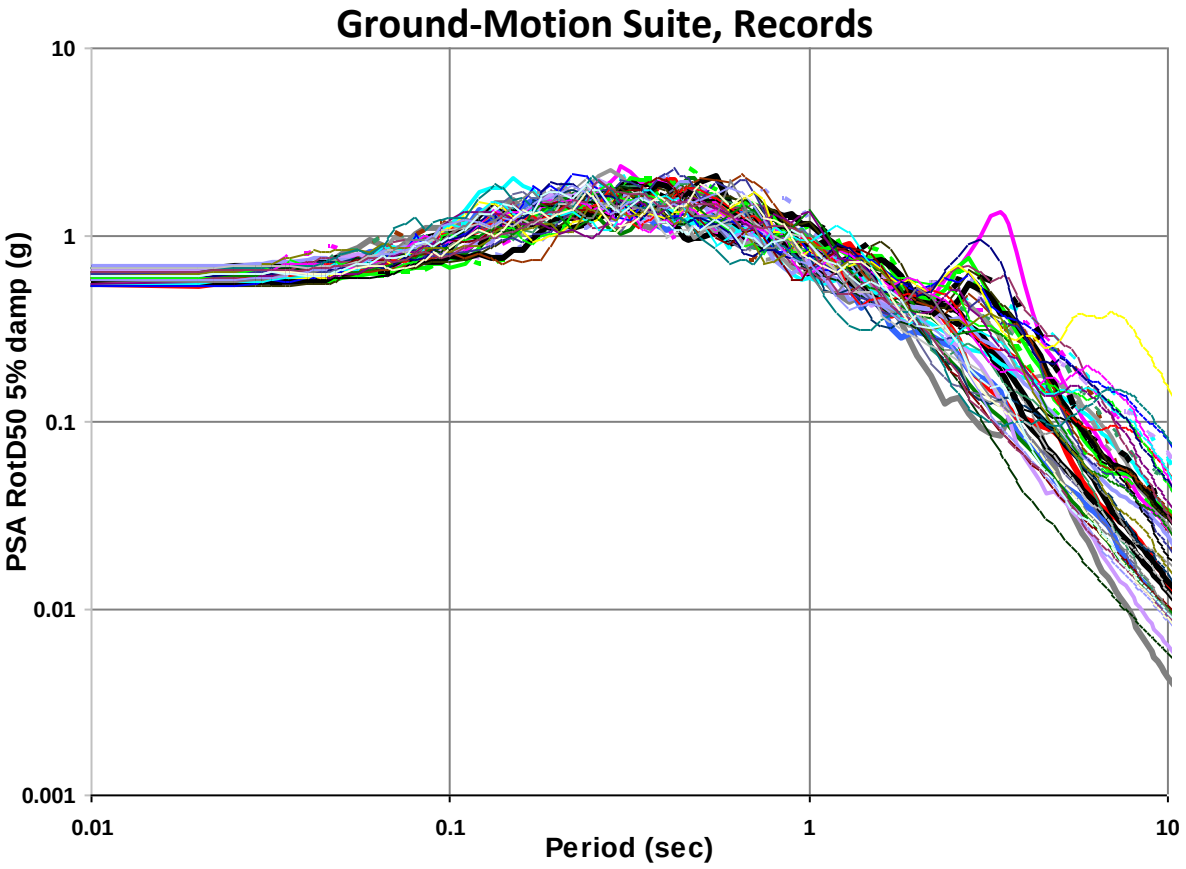
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.79	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.26	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	3.11	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.17	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	1	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.8	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.46	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.85	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	3.22	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.8	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
578	Taiwan SMART1(45) SMART1 O02 1986	7.3	57	285.09	Reverse	9.5	2.22	RSN578_SMART1.45_45O02EW.AT2 RSN578_SMART1.45_45O02NS.AT2 RSN578_SMART1.45_45O02DN.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.54	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2

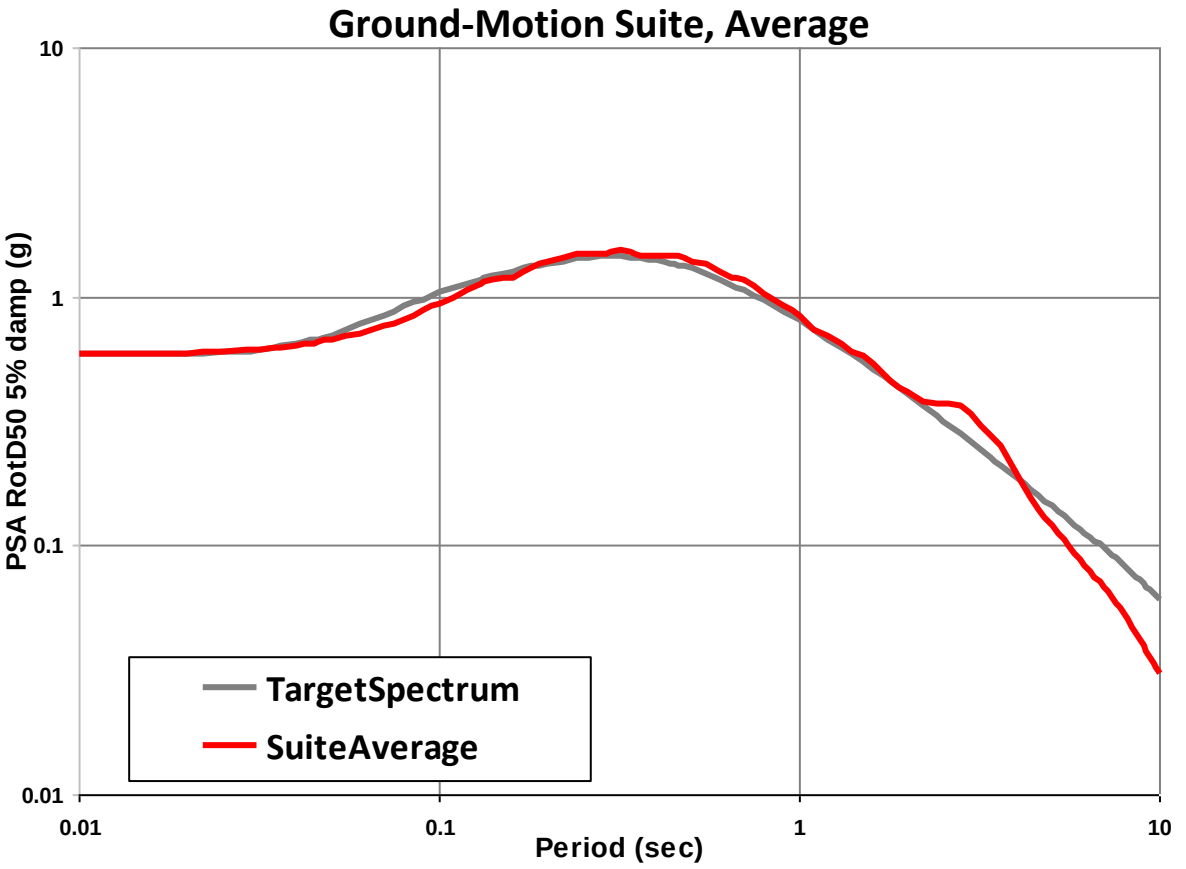
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.11	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
832	Landers Amboy 1992	7.28	69	382.93	strike slip	17.1	3.14	RSN832_LANDERS_ABY000.AT2 RSN832_LANDERS_ABY090.AT2 RSN832_LANDERS_ABY-UP.AT2
855	Landers Fort Irwin 1992	7.28	63	367.43	strike slip	7.8	3.9	RSN855_LANDERS_FTI000.AT2 RSN855_LANDERS_FTI090.AT2 RSN855_LANDERS_FTI-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.45	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.13	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	1.04	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.9	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.87	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	3.39	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	2.64	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	3.4	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.3	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.71	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.68	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.86	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1149	Kocaeli, Turkey Atakoy 1999	7.51	56	310.01	strike slip	10.9	3.62	RSN1149_KOCAELI_ATK000.AT2 RSN1149_KOCAELI_ATK090.AT2 RSN1149_KOCAELI_ATK-UP.AT2
1634	Manjil, Iran Abhar 1990	7.37	76	302.64	strike slip	15.6	2.33	RSN1634_MANJIL_184057.AT2 RSN1634_MANJIL_184327.AT2 RSN1634_MANJIL_184-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.63	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.39	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	2.42	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3503	Chi-Chi, Taiwan-06 TCU122 1999	6.3	30	475.46	Reverse	8	3.52	RSN3503_CHICHI.06_TCU122N.AT2 RSN3503_CHICHI.06_TCU122E.AT2 RSN3503_CHICHI.06_TCU122V.AT2
3674	Taiwan SMART1(45) SMART1 M04 1986	7.3	56	306.38	Reverse	10.6	2.64	RSN3674_SMART1.45_45M04EW.AT RSN3674_SMART1.45_45M04NS.AT2 RSN3674_SMART1.45_45M04DN.AT2
3681	Taiwan SMART1(45) SMART1 O03 1986	7.3	56	278.32	Reverse	10.8	2.63	RSN3681_SMART1.45_45O03EW.AT2 RSN3681_SMART1.45_45O03NS.AT2 RSN3681_SMART1.45_45O03DN.AT2
3863	Chi-Chi (aftershock 5), Taiwan CHY002 1999	6.3	49	235.13	Reverse	13.8	2.6	RSN3863_CHICHI.06_CHY002N.AT2 RSN3863_CHICHI.06_CHY002W.AT2 RSN3863_CHICHI.06_CHY002V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.14	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.49	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.32	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4880	Chuetsu-oki Hinodecho Yoshida Tsubame City 2007	6.8	20	261.55	Reverse	12	3.4	RSN4880_CHUETSU_65085NS.AT2 RSN4880_CHUETSU_65085EW.AT2 RSN4880_CHUETSU_65085UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	2.33	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	3.75	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	3.01	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.75	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.74	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	3.88	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
6980	Darfield, New Zealand WAKC 2010	7	72	484.49	strike slip	14.2	3.08	RSN6980_DARFIELD_WAKCN80E.AT2 RSN6980_DARFIELD_WAKCS10E.AT2 RSN6980_DARFIELD_WAKCUP.AT2
8522	El Mayor-Cucapah Elmore'S Ranch 2010	7.2	51	238	strike slip	9.7	2.63	RSN8522_SIERRA.MEX_CIERRHNN.AT RSN8522_SIERRA.MEX_CIERRHNE.AT RSN8522_SIERRA.MEX_CIERRHNZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**

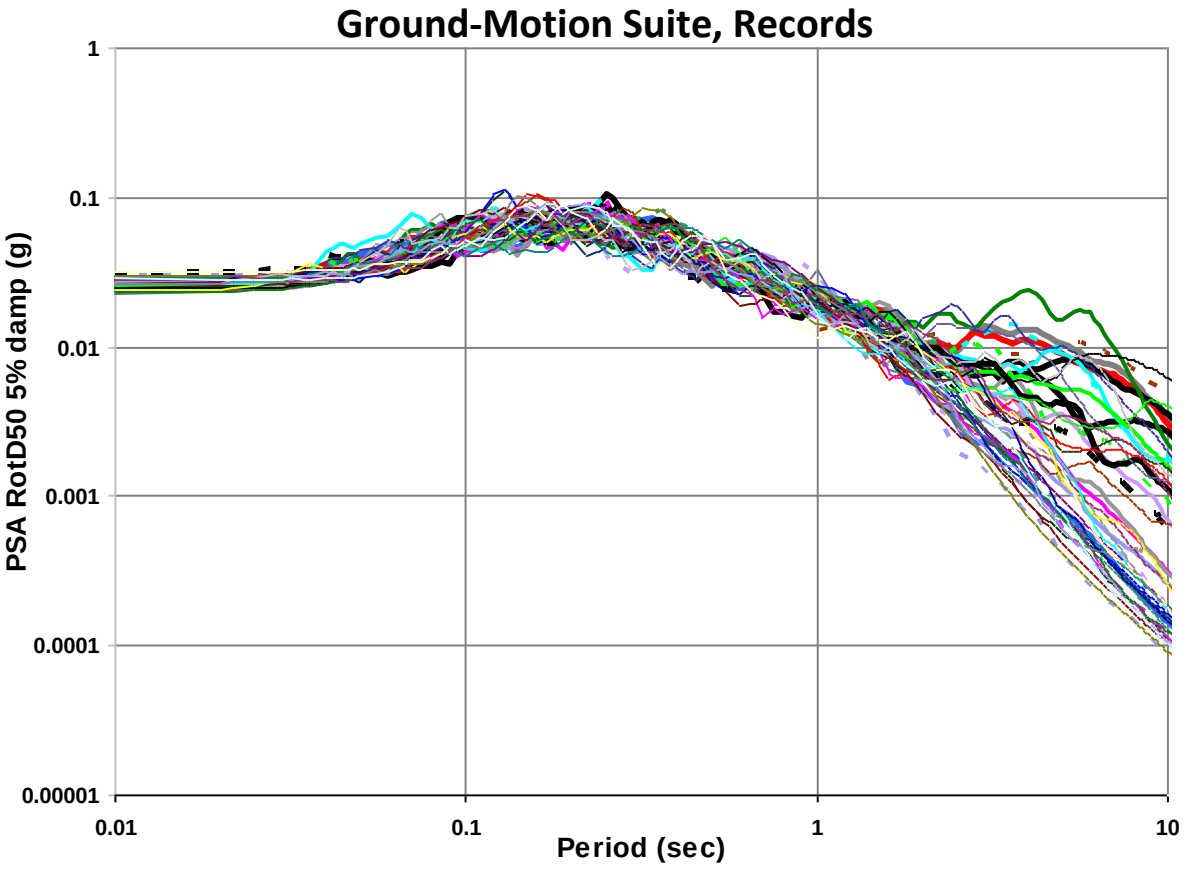
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.46	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.1	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.61	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	1.38	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.47	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	2.53	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	2.99	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1.09	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
573	Taiwan SMART1(45) SMART1 I01 1986	7.3	56	275.82	Reverse	11.6	3.79	RSN573_SMART1.45_45I01EW.AT2 RSN573_SMART1.45_45I01NS.AT2 RSN573_SMART1.45_45I01DN.AT2
577	Taiwan SMART1(45) SMART1 O01 1986	7.3	58	267.67	Reverse	9.8	3.73	RSN577_SMART1.45_45O01EW.AT2 RSN577_SMART1.45_45O01NS.AT2 RSN577_SMART1.45_45O01DN.AT2
578	Taiwan SMART1(45) SMART1 O02 1986	7.3	57	285.09	Reverse	9.5	3.04	RSN578_SMART1.45_45O02EW.AT2 RSN578_SMART1.45_45O02NS.AT2 RSN578_SMART1.45_45O02DN.AT2

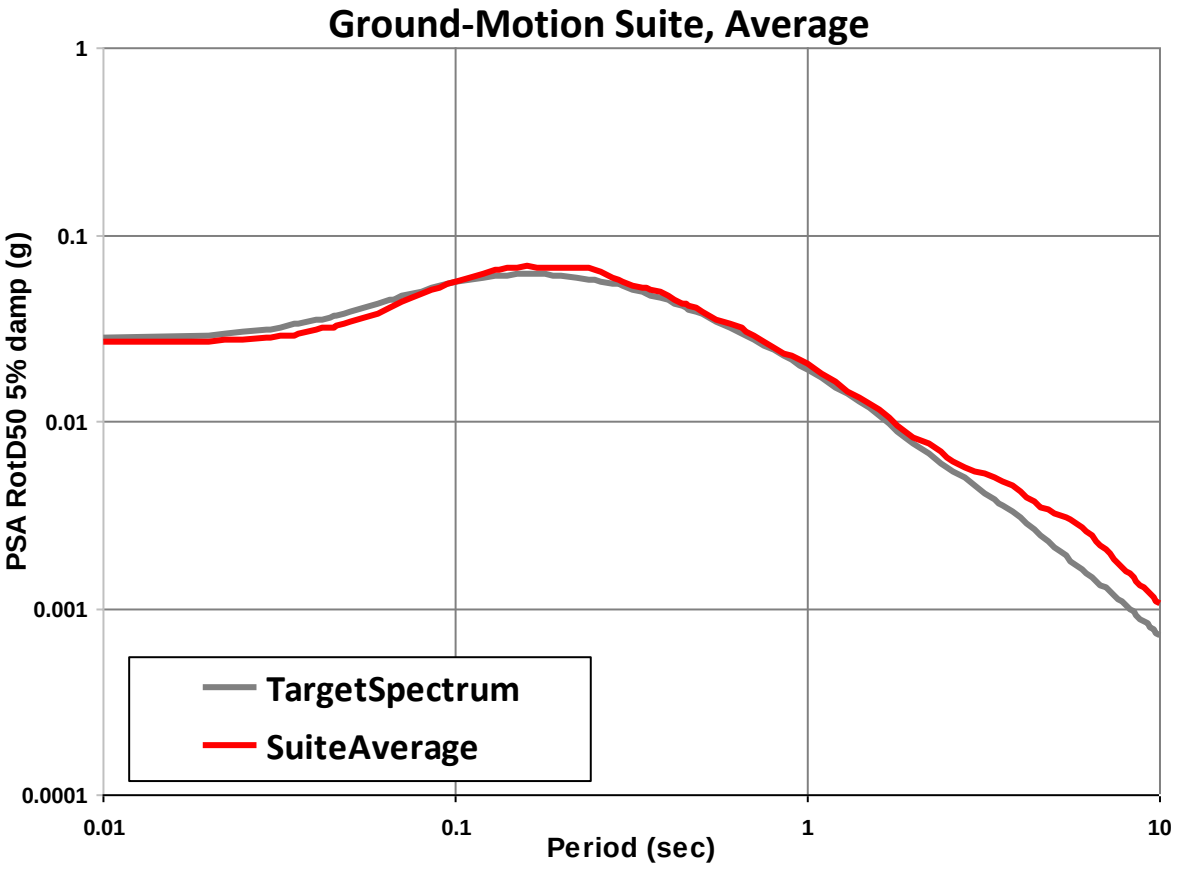
Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.11	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	2.57	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.7	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	2.56	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.89	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.99	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.55	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	1.42	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.23	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	3.37	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.57	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	3.62	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.78	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.97	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.93	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	3.92	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.93	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1634	Manjil, Iran Abhar 1990	7.37	76	302.64	strike slip	15.6	3.2	RSN1634_MANJIL_184057.AT2 RSN1634_MANJIL_184327.AT2 RSN1634_MANJIL_184-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	3.27	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	3.32	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
3672	Taiwan SMART1(45) SMART1 M02 1986	7.3	57	306.78	Reverse	10.5	3.36	RSN3672_SMART1.45_45M02EW.AT RSN3672_SMART1.45_45M02NS.AT2 RSN3672_SMART1.45_45M02DN.AT2
3674	Taiwan SMART1(45) SMART1 M04 1986	7.3	56	306.38	Reverse	10.6	3.62	RSN3674_SMART1.45_45M04EW.AT RSN3674_SMART1.45_45M04NS.AT2 RSN3674_SMART1.45_45M04DN.AT2
3675	Taiwan SMART1(45) SMART1 M05 1986	7.3	55	306.38	Reverse	11.4	3.8	RSN3675_SMART1.45_45M05EW.AT RSN3675_SMART1.45_45M05NS.AT2 RSN3675_SMART1.45_45M05DN.AT2
3680	Taiwan SMART1(45) SMART1 M12 1986	7.3	57	275.82	Reverse	10.3	3.84	RSN3680_SMART1.45_45M12EW.AT RSN3680_SMART1.45_45M12NS.AT2 RSN3680_SMART1.45_45M12DN.AT2
3681	Taiwan SMART1(45) SMART1 O03 1986	7.3	56	278.32	Reverse	10.8	3.61	RSN3681_SMART1.45_45O03EW.AT2 RSN3681_SMART1.45_45O03NS.AT2 RSN3681_SMART1.45_45O03DN.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.94	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.04	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.81	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.64	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	3.2	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.39	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.24	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	2.62	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
6969	Darfield, New Zealand Styx Mill Transfer Station 2010	7	21	247.5	strike slip	12.2	3.21	RSN6969_DARFIELD_SMTCN88W.AT2 RSN6969_DARFIELD_SMTCS02W.AT2 RSN6969_DARFIELD_SMTCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.26	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	3.43	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8522	El Mayor-Cucapah Elmore'S Ranch 2010	7.2	51	238	strike slip	9.7	3.61	RSN8522_SIERRA.MEX_CIERRHNN.AT RSN8522_SIERRA.MEX_CIERRHNE.AT RSN8522_SIERRA.MEX_CIERRHNZ.AT

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**

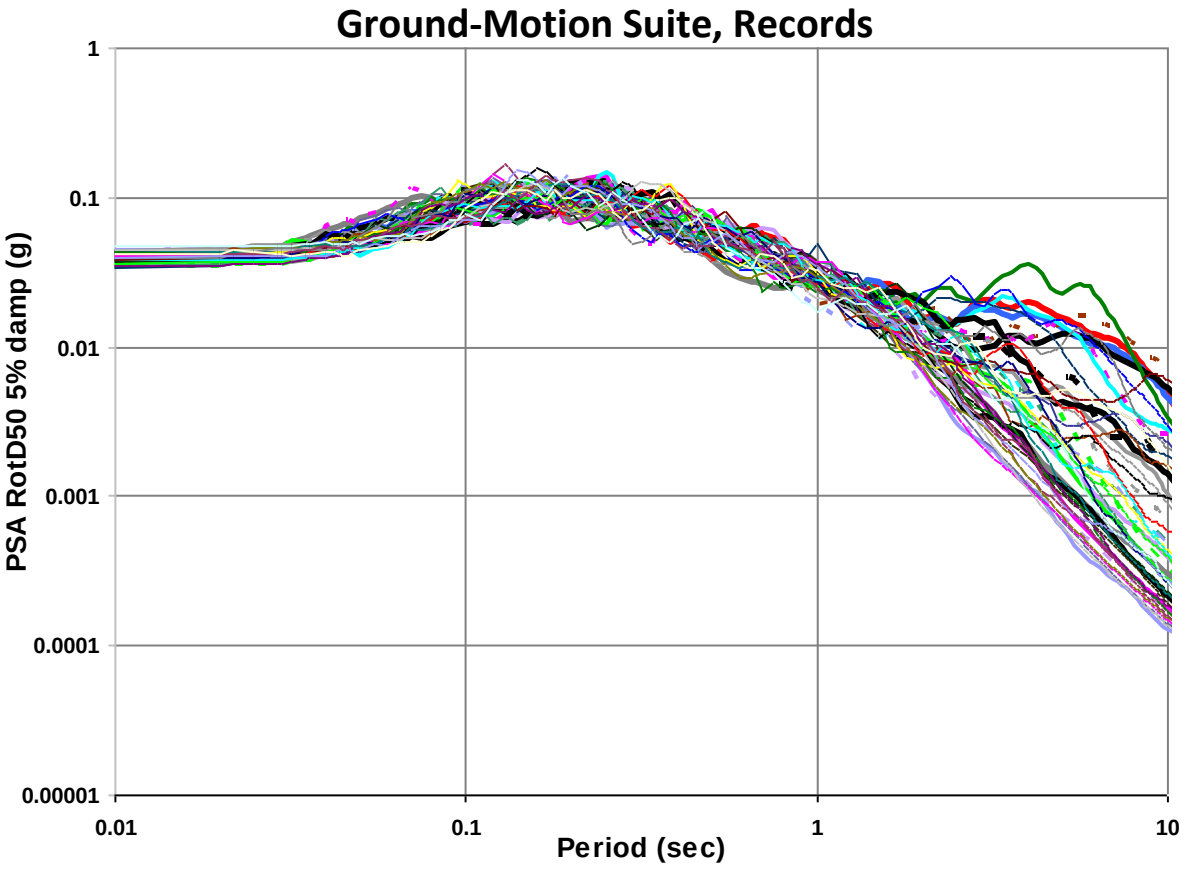
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
48	Lytle Creek Puddingstone Dam (Abutment) 1970	5.33	29	421.44	Reverse O	5	1.53	RSN48_LYTLECR_PUD055.AT2 RSN48_LYTLECR_PUD325.AT2 RSN48_LYTLECR_PUDDWN.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.33	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	0.39	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	0.4	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
782	Loma Prieta Monterey City Hall 1989	6.93	40	638.63	Reverse O	7.4	0.38	RSN782_LOMAP_MCH000.AT2 RSN782_LOMAP_MCH090.AT2 RSN782_LOMAP_MCH-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	0.57	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
946	Northridge-01 Antelope Buttes 1994	6.69	47	572.57	Reverse	8.7	0.52	RSN946_NORTHR_ATB000.AT2 RSN946_NORTHR_ATB090.AT2 RSN946_NORTHR_ATB-UP.AT2
950	Northridge-01 Baldwin Park - N Holly 1994	6.69	48	544.68	Reverse	6.3	0.25	RSN950_NORTHR_NHO180.AT2 RSN950_NORTHR_NHO270.AT2 RSN950_NORTHR_NHO-UP.AT2
969	Northridge-01 Duarte - Mel Canyon Rd. 1994	6.69	48	459.14	Reverse	8.3	0.48	RSN969_NORTHR_MEL090.AT2 RSN969_NORTHR_MEL180.AT2 RSN969_NORTHR_MEL-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	0.61	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	0.47	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	0.28	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2

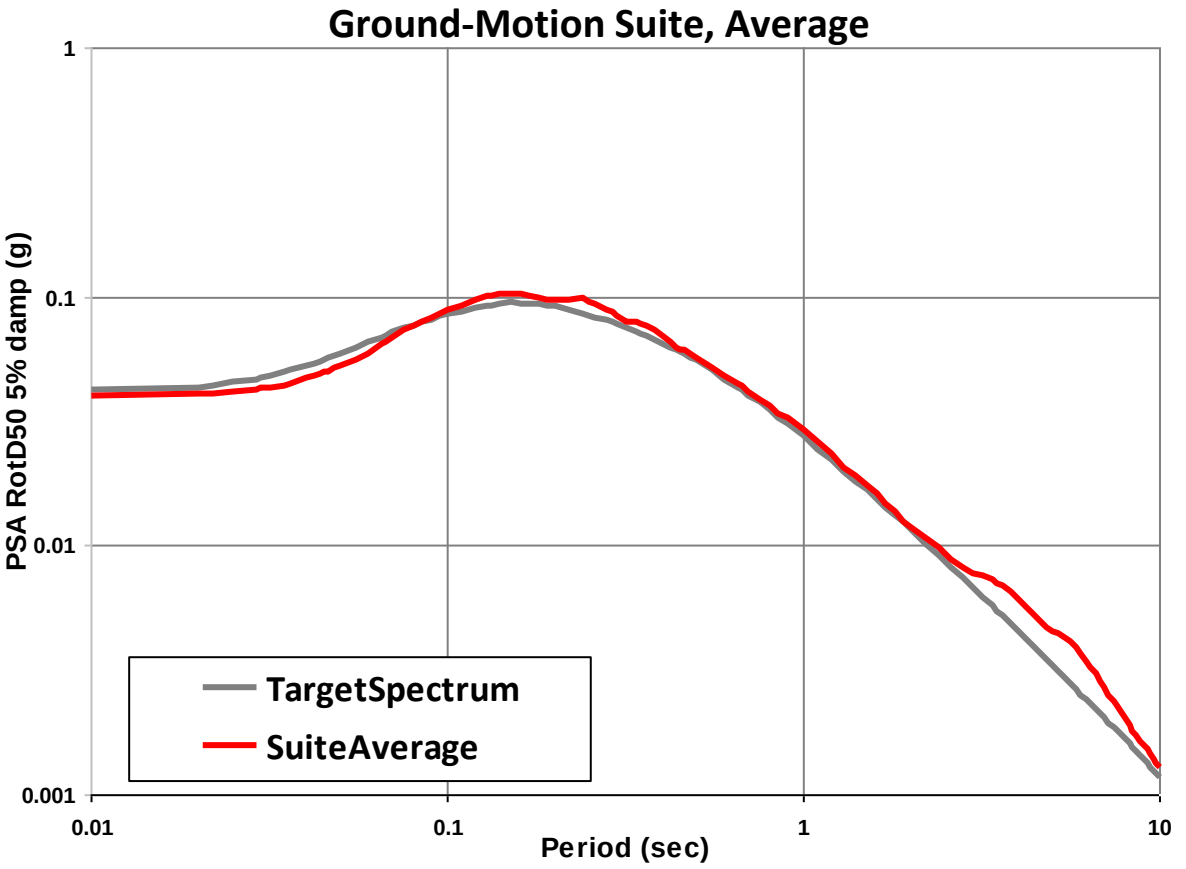
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
1786	Hector Mine Heart Bar State Park 1999	7.13	61	624.94	strike slip	11.2	0.31	RSN1786_HECTOR_HBS090.AT2 RSN1786_HECTOR_HBS180.AT2 RSN1786_HECTOR_HBS-UP.AT2
1795	Hector Mine Joshua Tree N.M. - Keys View 1999	7.13	50	686.12	strike slip	11.4	0.34	RSN1795_HECTOR_JTN090.AT2 RSN1795_HECTOR_JTN180.AT2 RSN1795_HECTOR_JTN-UP.AT2
1832	Hector Mine Seven Oaks Dam Project Office 1999	7.13	87	564.93	strike slip	11.9	0.47	RSN1832_HECTOR_SVD090.AT2 RSN1832_HECTOR_SVD360.AT2 RSN1832_HECTOR_SVD-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	0.35	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2255	Chi-Chi, Taiwan-02 HWA051 1999	5.9	44	440.5	Reverse	8.3	0.64	RSN2255_CHICHI.02_HWA051N.AT2 RSN2255_CHICHI.02_HWA051W.AT2 RSN2255_CHICHI.02_HWA051V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	0.65	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2772	Chi-Chi, Taiwan-04 HWA024 1999	6.2	46	671.52	strike slip	10	2.13	RSN2772_CHICHI.04_HWA024N.AT2 RSN2772_CHICHI.04_HWA024E.AT2 RSN2772_CHICHI.04_HWA024V.AT2
2804	Chi-Chi, Taiwan-04 KAU001 1999	6.2	45	573.04	strike slip	11.3	1.28	RSN2804_CHICHI.04_KAU001N.AT2 RSN2804_CHICHI.04_KAU001W.AT2 RSN2804_CHICHI.04_KAU001V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.5	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.29	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3686	Whittier Narrows-02 Baldwin Park - N Holly 1987	5.27	12	544.68	Reverse O	5.6	0.53	RSN3686_WHITTIER.B_B-NHO180.AT RSN3686_WHITTIER.B_B-NHO270.AT RSN3686_WHITTIER.B_B-NHO-UP.AT
3706	Whittier Narrows-02 Glendora - N Oakbank 1987	5.27	21	362.31	Reverse O	6.5	0.95	RSN3706_WHITTIER.B_B-OAK080.AT RSN3706_WHITTIER.B_B-OAK170.AT RSN3706_WHITTIER.B_B-OAK-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	0.68	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
3854	Chi-Chi (aftershock 3), Taiwan CHY010 1999	6.2	32	538.69	strike slip	6.7	0.31	RSN3854_CHICHI.04_CHY010N.AT2 RSN3854_CHICHI.04_CHY010W.AT2 RSN3854_CHICHI.04_CHY010V.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	0.39	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4230	Niigata, Japan NIGH13 2004	6.63	37	461.1	Reverse	9.4	0.35	RSN4230_NIIGATA_NIGH13NS.AT2 RSN4230_NIIGATA_NIGH13EW.AT2 RSN4230_NIIGATA_NIGH13UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.34	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4478	L'Aquila, Italy Lab.Gran Sasso 2009	6.3	11	547	Normal	6.3	1.01	RSN4478_L-AQUILA_GE146XTE.AT2 RSN4478_L-AQUILA_GE146YLN.AT2 RSN4478_L-AQUILA_GE146ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.45	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.28	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.4	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	0.29	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
5239	Chuetsu-oki NGNH29 2007	6.8	44	464.92	Reverse	5.7	0.28	RSN5239_CHUETSU_NGNH29NS.AT2 RSN5239_CHUETSU_NGNH29EW.AT2 RSN5239_CHUETSU_NGNH29UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	0.29	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
6008	El Mayor-Cucapah Julian Eagle Mine 2010	7.2	92	501	strike slip	19.2	0.8	RSN6008_SIERRA.MEX_JEM360.AT2 RSN6008_SIERRA.MEX_JEM-90.AT2 RSN6008_SIERRA.MEX_JEM-UP.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	0.8	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	0.29	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2
8689	40204628 Black Mountain Los Altos 2007	5.45	35	584	strike slip	8.3	2.71	RSN8689_40204628_NJBMBHNN.AT2 RSN8689_40204628_NJBMBHNE.AT2 RSN8689_40204628_NJBMBHNZ.AT2
8697	40204628 Laurel Hill 2007	5.45	29	477	strike slip	6.1	0.8	RSN8697_40204628_NJLABHNN.AT2 RSN8697_40204628_NJLABHNE.AT2 RSN8697_40204628_NJLABHNZ.AT2
8704	40204628 Stanford Telescope 2007	5.45	34	432	strike slip	13.4	2.18	RSN8704_40204628_NJSFBHNN.AT2 RSN8704_40204628_NJSFBHNE.AT2 RSN8704_40204628_NJSFBHNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.42	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8804	14383980 Kinemetrics 2008	5.39	36	383.09	Reverse O	11.4	0.87	RSN8804_14383980_CIKIKHNN.AT2 RSN8804_14383980_CIKIKHNE.AT2 RSN8804_14383980_CIKIKHNZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	0.96	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.35	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.26	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2
8895	14383980 Rancho Cucamonga - Hwy 30 & Ame 2008	5.39	25	399.9	Reverse O	3.9	0.51	RSN8895_14383980_23090360.AT2 RSN8895_14383980_23090090.AT2 RSN8895_14383980_23090-UP.AT2
8936	14383980 Corona Del Mar - Oasis Senior Cente 2008	5.39	38	382.16	Reverse O	4.9	0.9	RSN8936_14383980_U5285360.AT2 RSN8936_14383980_U5285090.AT2 RSN8936_14383980_U5285-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	0.99	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

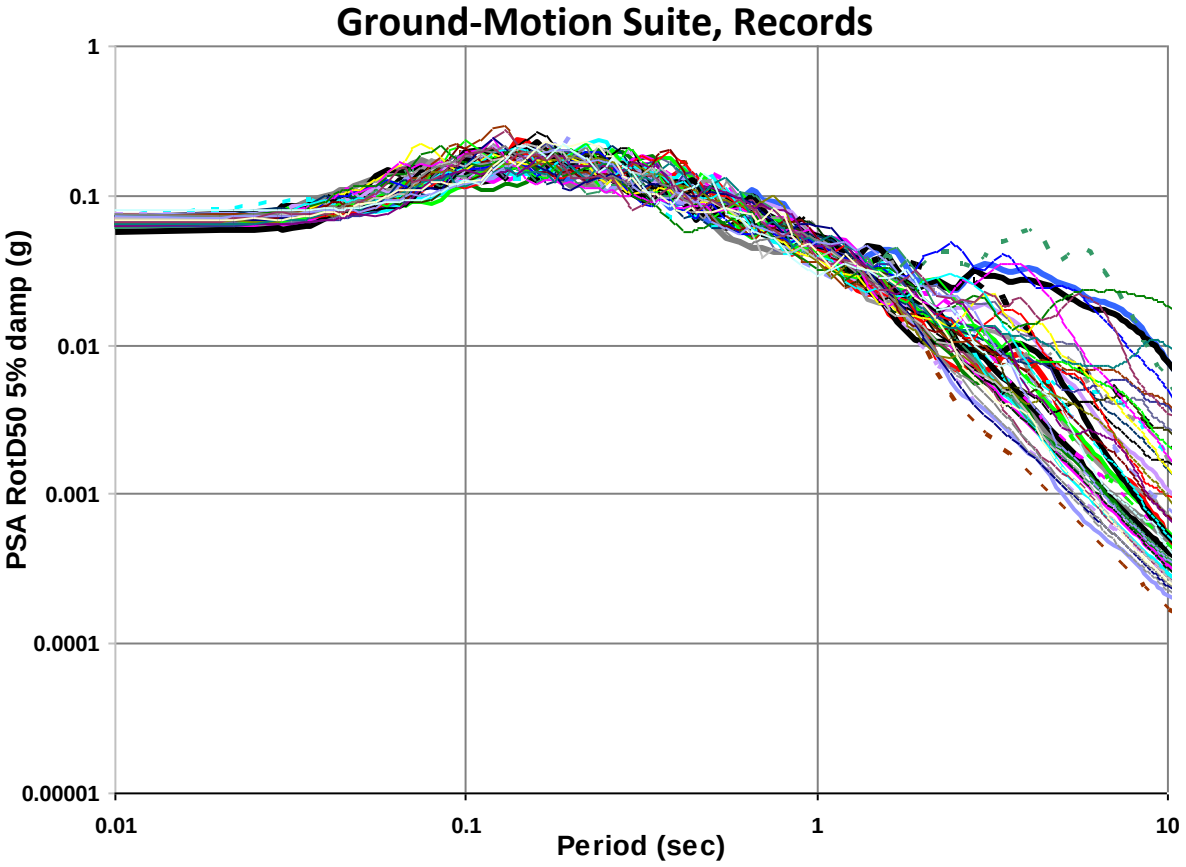
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.27	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
48	Lytle Creek Puddingstone Dam (Abutment) 1970	5.33	29	421.44	Reverse O	5	2.29	RSN48_LYTLECR_PUD055.AT2 RSN48_LYTLECR_PUD325.AT2 RSN48_LYTLECR_PUDDWN.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.5	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	0.6	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.37	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.28	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	0.86	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
946	Northridge-01 Antelope Buttes 1994	6.69	47	572.57	Reverse	8.7	0.78	RSN946_NORTHR_ATB000.AT2 RSN946_NORTHR_ATB090.AT2 RSN946_NORTHR_ATB-UP.AT2
950	Northridge-01 Baldwin Park - N Holly 1994	6.69	48	544.68	Reverse	6.3	0.38	RSN950_NORTHR_NHO180.AT2 RSN950_NORTHR_NHO270.AT2 RSN950_NORTHR_NHO-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	0.92	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	0.7	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	0.42	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2

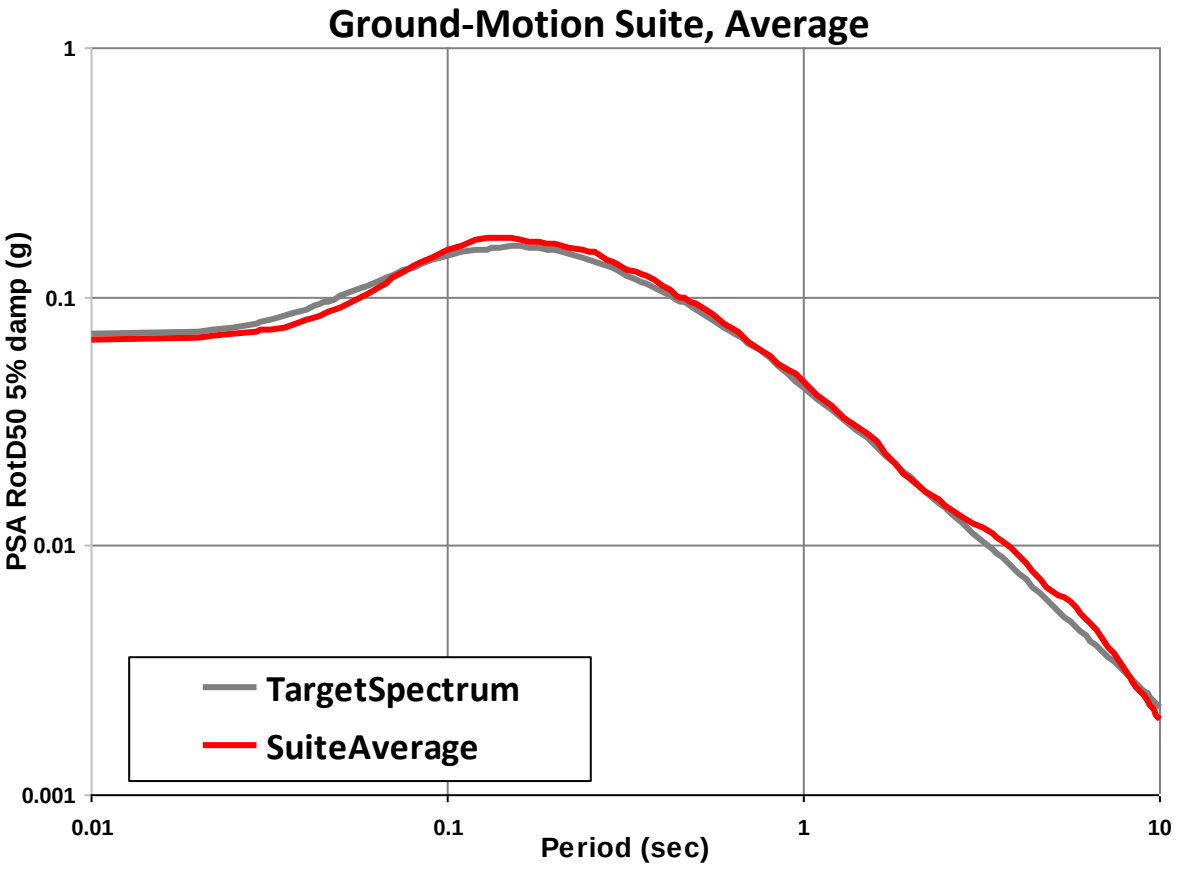
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
1786	Hector Mine Heart Bar State Park 1999	7.13	61	624.94	strike slip	11.2	0.46	RSN1786_HECTOR_HBS090.AT2 RSN1786_HECTOR_HBS180.AT2 RSN1786_HECTOR_HBS-UP.AT2
1832	Hector Mine Seven Oaks Dam Project Office 1999	7.13	87	564.93	strike slip	11.9	0.71	RSN1832_HECTOR_SVD090.AT2 RSN1832_HECTOR_SVD360.AT2 RSN1832_HECTOR_SVD-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	0.52	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	0.97	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2772	Chi-Chi, Taiwan-04 HWA024 1999	6.2	46	671.52	strike slip	10	3.19	RSN2772_CHICHI.04_HWA024N.AT2 RSN2772_CHICHI.04_HWA024E.AT2 RSN2772_CHICHI.04_HWA024V.AT2
2804	Chi-Chi, Taiwan-04 KAU001 1999	6.2	45	573.04	strike slip	11.3	1.91	RSN2804_CHICHI.04_KAU001N.AT2 RSN2804_CHICHI.04_KAU001W.AT2 RSN2804_CHICHI.04_KAU001V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.74	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.44	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.3	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3706	Whittier Narrows-02 Glendora - N Oakbank 1987	5.27	21	362.31	Reverse O	6.5	1.42	RSN3706_WHITTIER.B_B-OAK080.AT RSN3706_WHITTIER.B_B-OAK170.AT RSN3706_WHITTIER.B_B-OAK-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.34	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	1.02	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.26	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.35	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.33	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	0.59	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4230	Niigata, Japan NIGH13 2004	6.63	37	461.1	Reverse	9.4	0.52	RSN4230_NIIGATA_NIGH13NS.AT2 RSN4230_NIIGATA_NIGH13EW.AT2 RSN4230_NIIGATA_NIGH13UD.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	0.43	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.51	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4478	L'Aquila, Italy Lab.Gran Sasso 2009	6.3	11	547	Normal	6.3	1.51	RSN4478_L-AQUILA_GE146XTE.AT2 RSN4478_L-AQUILA_GE146YLN.AT2 RSN4478_L-AQUILA_GE146ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.67	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.42	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.6	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.34	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	0.43	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
5239	Chuetsu-oki NGNH29 2007	6.8	44	464.92	Reverse	5.7	0.42	RSN5239_CHUETSU_NGNH29NS.AT2 RSN5239_CHUETSU_NGNH29EW.AT2 RSN5239_CHUETSU_NGNH29UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
5494	Iwate AKTH18 2008	6.9	47	431	Reverse	8.1	0.32	RSN5494_IWATE_AKTH18NS.AT2 RSN5494_IWATE_AKTH18EW.AT2 RSN5494_IWATE_AKTH18UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	0.43	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.33	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	1.2	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8697	40204628 Laurel Hill 2007	5.45	29	477	strike slip	6.1	1.2	RSN8697_40204628_NJLABHNN.AT2 RSN8697_40204628_NJLABHNE.AT2 RSN8697_40204628_NJLABHNZ.AT2
8704	40204628 Stanford Telescope 2007	5.45	34	432	strike slip	13.4	3.26	RSN8704_40204628_NJSFBHNN.AT2 RSN8704_40204628_NJSFBHNE.AT2 RSN8704_40204628_NJSFBHNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.63	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8804	14383980 Kinemetrics 2008	5.39	36	383.09	Reverse O	11.4	1.3	RSN8804_14383980_CIKIKHNN.AT2 RSN8804_14383980_CIKIKHNE.AT2 RSN8804_14383980_CIKIKHNZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	1.43	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.53	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8936	14383980 Corona Del Mar - Oasis Senior Cente 2008	5.39	38	382.16	Reverse O	4.9	1.36	RSN8936_14383980_U5285360.AT2 RSN8936_14383980_U5285090.AT2 RSN8936_14383980_U5285-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	1.48	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

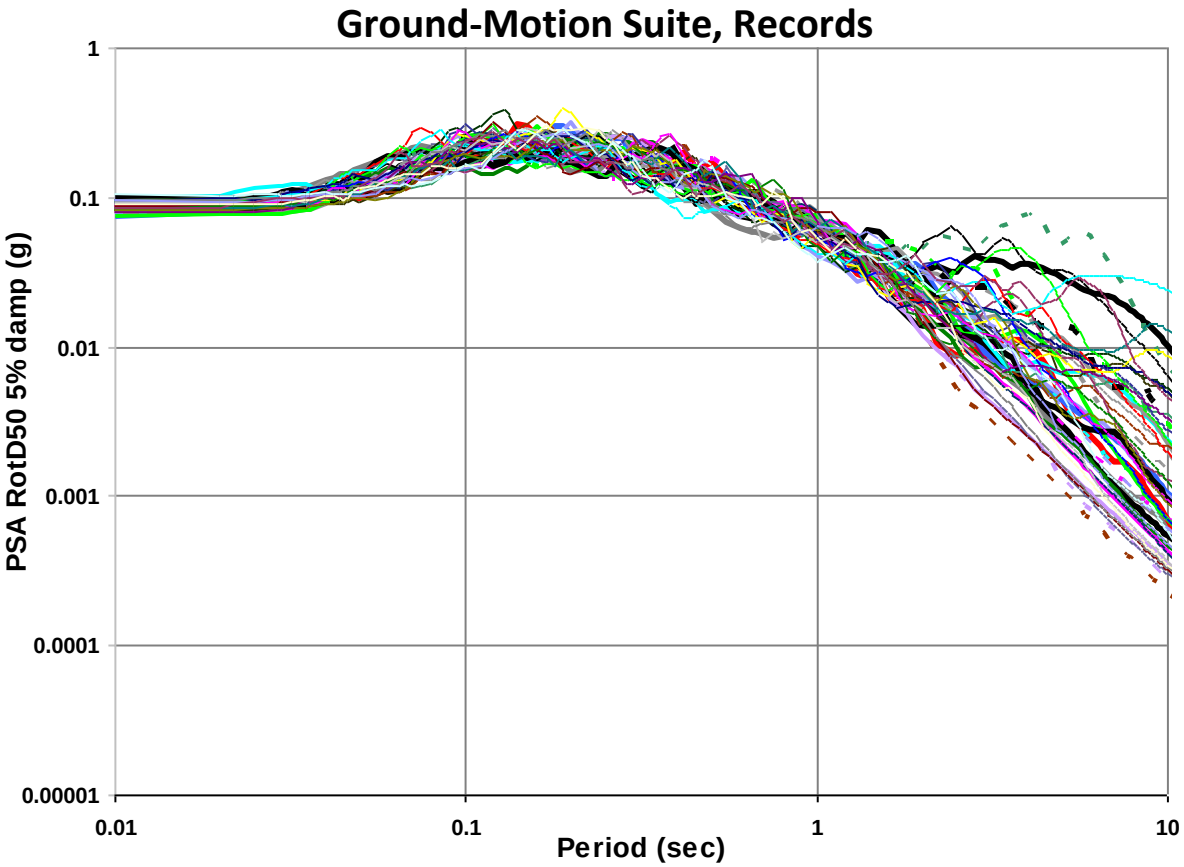
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.45	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
48	Lytle Creek Puddingstone Dam (Abutment) 1970	5.33	29	421.44	Reverse O	5	3.8	RSN48_LYTLECR_PUD055.AT2 RSN48_LYTLECR_PUD325.AT2 RSN48_LYTLECR_PUDDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.38	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.37	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.29	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.61	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.47	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	1.42	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
950	Northridge-01 Baldwin Park - N Holly 1994	6.69	48	544.68	Reverse	6.3	0.63	RSN950_NORTHR_NHO180.AT2 RSN950_NORTHR_NHO270.AT2 RSN950_NORTHR_NHO-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.35	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	1.52	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	1.16	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2

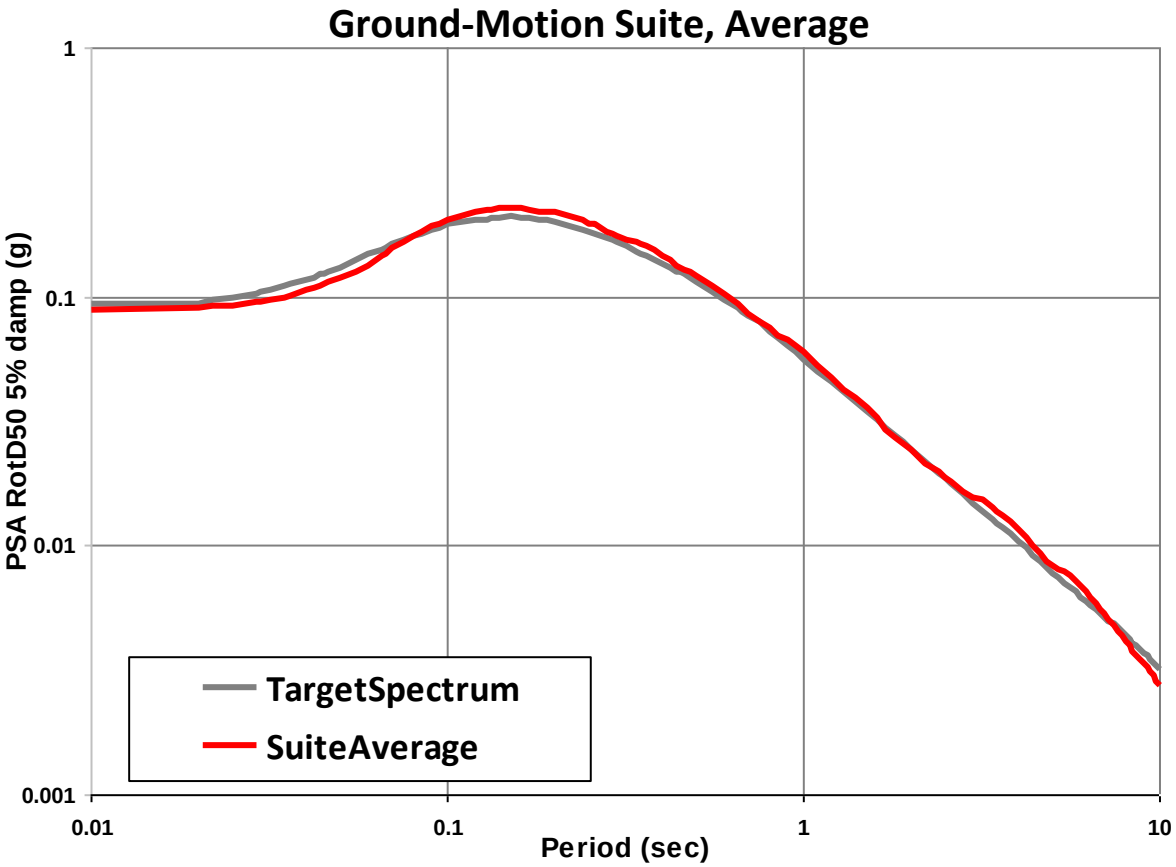
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.36	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	0.7	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	0.87	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.61	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.39	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.23	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.72	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.49	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.57	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	1.68	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.42	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.25	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.58	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.54	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	0.97	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4230	Niigata, Japan NIGH13 2004	6.63	37	461.1	Reverse	9.4	0.86	RSN4230_NIIGATA_NIGH13NS.AT2 RSN4230_NIIGATA_NIGH13EW.AT2 RSN4230_NIIGATA_NIGH13UD.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	0.71	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.84	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.7	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.99	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.56	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4793	Wenchuan, China Mingshan 2008	7.9	84	600.39	Reverse O	41.8	0.43	RSN4793_WENCHUAN_UA1067.AT2 RSN4793_WENCHUAN_UA1066.AT2 RSN4793_WENCHUAN_UA1068.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	0.72	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
5239	Chuetsu-oki NGNH29 2007	6.8	44	464.92	Reverse	5.7	0.7	RSN5239_CHUETSU_NGNH29NS.AT2 RSN5239_CHUETSU_NGNH29EW.AT2 RSN5239_CHUETSU_NGNH29UD.AT2
5494	Iwate AKTH18 2008	6.9	47	431	Reverse	8.1	0.54	RSN5494_IWATE_AKTH18NS.AT2 RSN5494_IWATE_AKTH18EW.AT2 RSN5494_IWATE_AKTH18UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.26	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	0.72	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.34	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.27	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.27	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5970	El Mayor-Cucapah Borrego Springs 2010	7.2	92	619	strike slip	15.1	2.58	RSN5970_SIERRA.MEX_BOR360.AT2 RSN5970_SIERRA.MEX_BOR-90.AT2 RSN5970_SIERRA.MEX_BOR-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.41	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.55	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	1.99	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8697	40204628 Laurel Hill 2007	5.45	29	477	strike slip	6.1	1.98	RSN8697_40204628_NJLABHNN.AT2 RSN8697_40204628_NJLABHNE.AT2 RSN8697_40204628_NJLABHNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.04	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	2.37	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	2.45	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

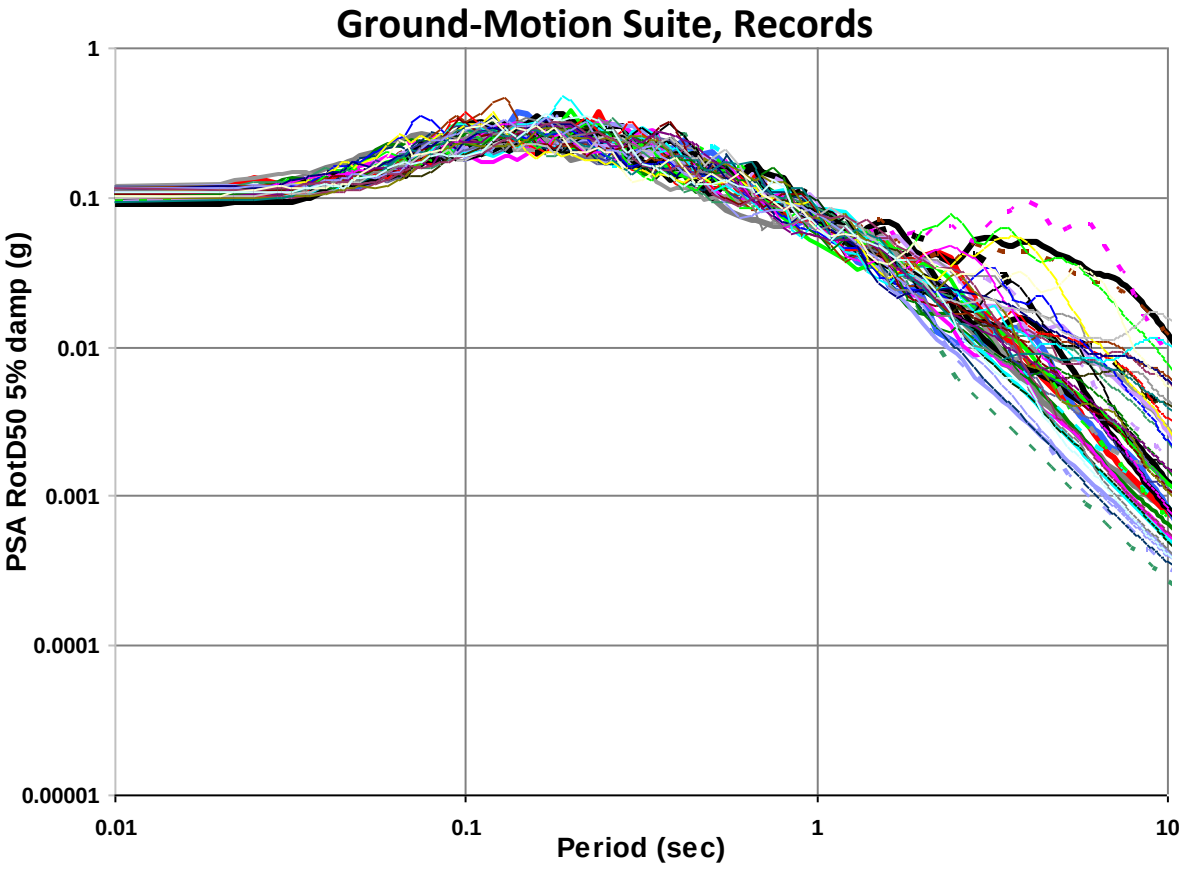
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.59	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.5	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.48	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.38	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.8	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.61	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.28	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	1.86	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
950	Northridge-01 Baldwin Park - N Holly 1994	6.69	48	544.68	Reverse	6.3	0.82	RSN950_NORTHR_NHO180.AT2 RSN950_NORTHR_NHO270.AT2 RSN950_NORTHR_NHO-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.46	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	1.52	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.47	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2

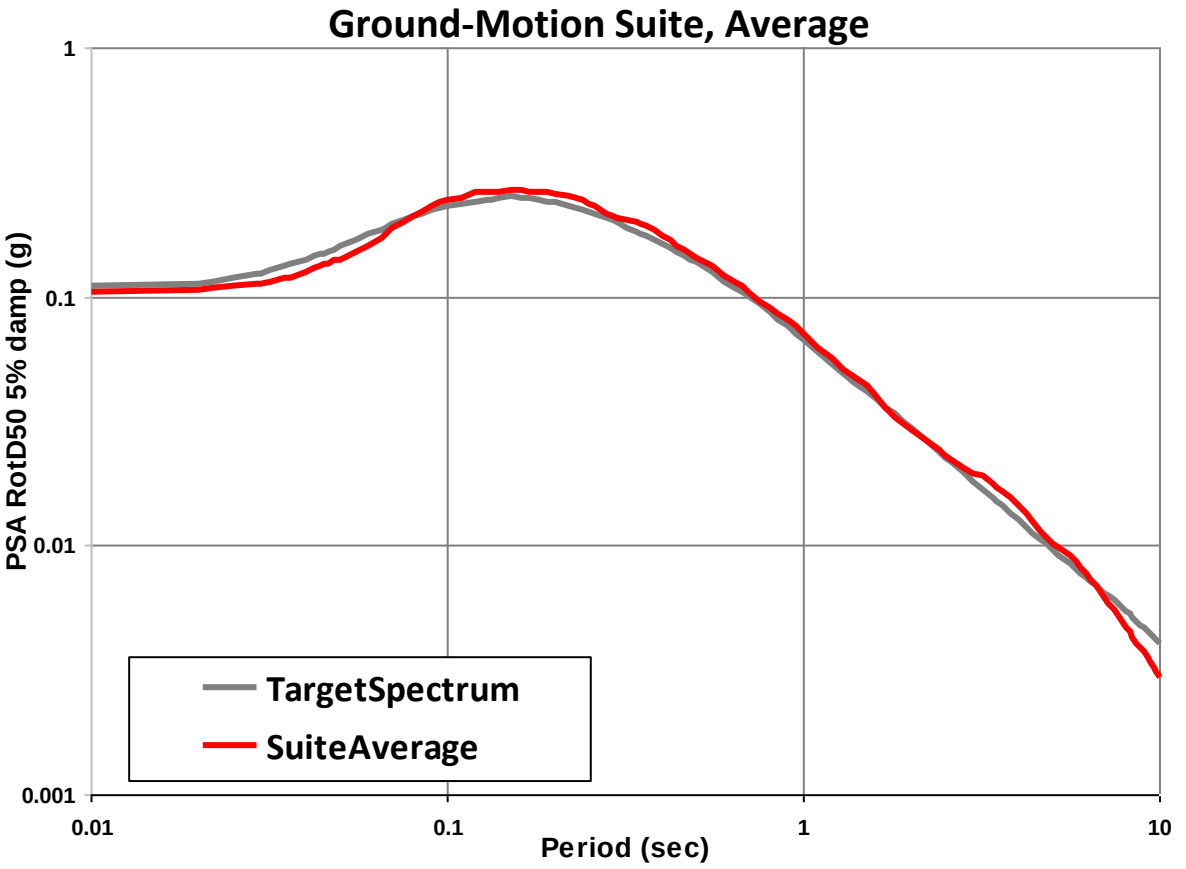
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	0.91	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	1.14	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.51	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.61	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.94	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.65	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.74	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	2.2	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.56	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.75	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.71	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	1.27	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.25	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
4230	Niigata, Japan NIGH13 2004	6.63	37	461.1	Reverse	9.4	1.13	RSN4230_NIIGATA_NIGH13NS.AT2 RSN4230_NIIGATA_NIGH13EW.AT2 RSN4230_NIIGATA_NIGH13UD.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	0.92	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.1	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.3	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.73	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4793	Wenchuan, China Mingshan 2008	7.9	84	600.39	Reverse O	41.8	0.57	RSN4793_WENCHUAN_UA1067.AT2 RSN4793_WENCHUAN_UA1066.AT2 RSN4793_WENCHUAN_UA1068.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	0.94	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
5239	Chuetsu-oki NGNH29 2007	6.8	44	464.92	Reverse	5.7	0.91	RSN5239_CHUETSU_NGNH29NS.AT2 RSN5239_CHUETSU_NGNH29EW.AT2 RSN5239_CHUETSU_NGNH29UD.AT2
5494	Iwate AKTH18 2008	6.9	47	431	Reverse	8.1	0.7	RSN5494_IWATE_AKTH18NS.AT2 RSN5494_IWATE_AKTH18EW.AT2 RSN5494_IWATE_AKTH18UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.33	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	0.94	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.44	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.35	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.35	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5833	El Mayor-Cucapah TRES HERMANOS 2010	7.2	95	521.76	strike slip	22.8	1.83	RSN5833_SIERRA.MEX_TRH000.AT2 RSN5833_SIERRA.MEX_TRH090.AT2 RSN5833_SIERRA.MEX_TRH--V.AT2
5970	El Mayor-Cucapah Borrego Springs 2010	7.2	92	619	strike slip	15.1	3.38	RSN5970_SIERRA.MEX_BOR360.AT2 RSN5970_SIERRA.MEX_BOR-90.AT2 RSN5970_SIERRA.MEX_BOR-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.53	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.31	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.72	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	2.6	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8697	40204628 Laurel Hill 2007	5.45	29	477	strike slip	6.1	2.59	RSN8697_40204628_NJLABHNN.AT2 RSN8697_40204628_NJLABHNE.AT2 RSN8697_40204628_NJLABHNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.36	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	3.11	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	3.21	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.7	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.59	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.57	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.46	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.96	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.29	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.34	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	2.22	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.29	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.55	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	2.37	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	1.81	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2

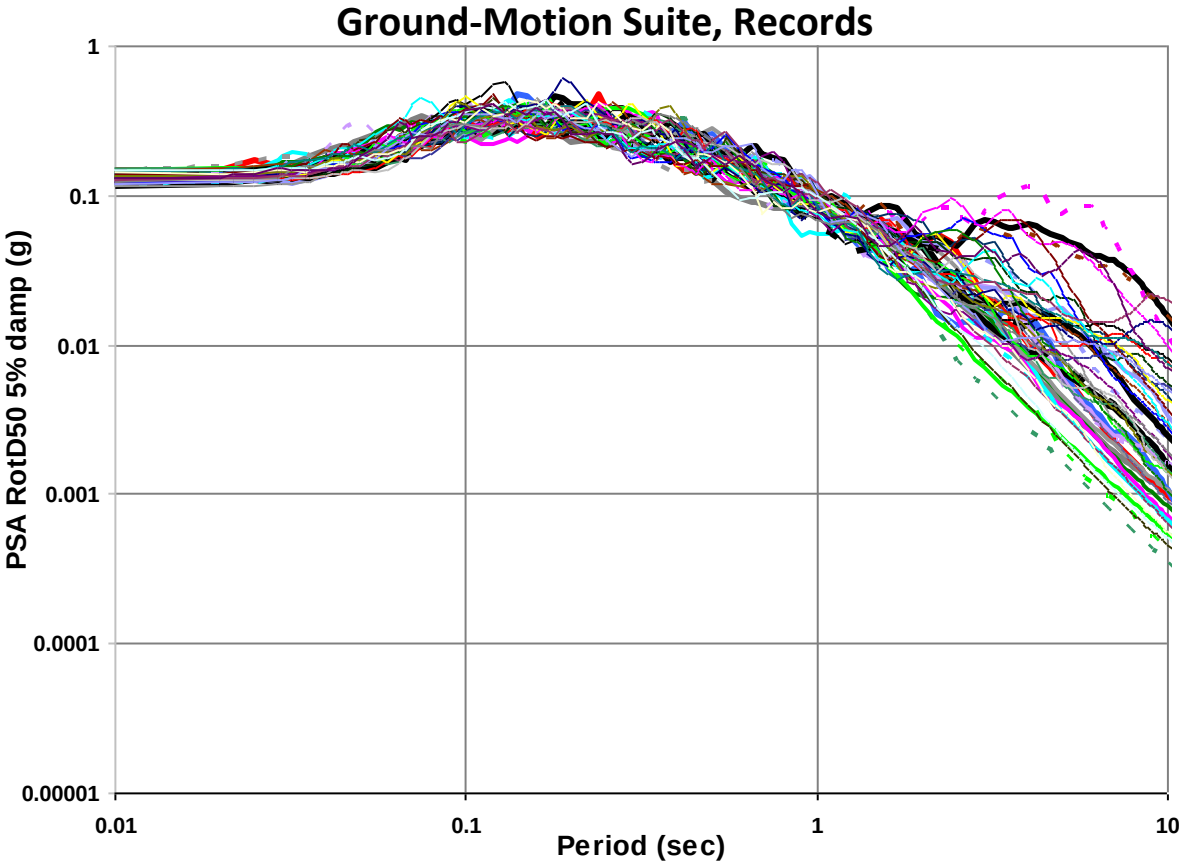
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.56	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	1.09	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	1.36	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.62	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.93	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	1.13	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.77	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.89	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	2.63	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.67	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.9	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.85	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	1.52	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2

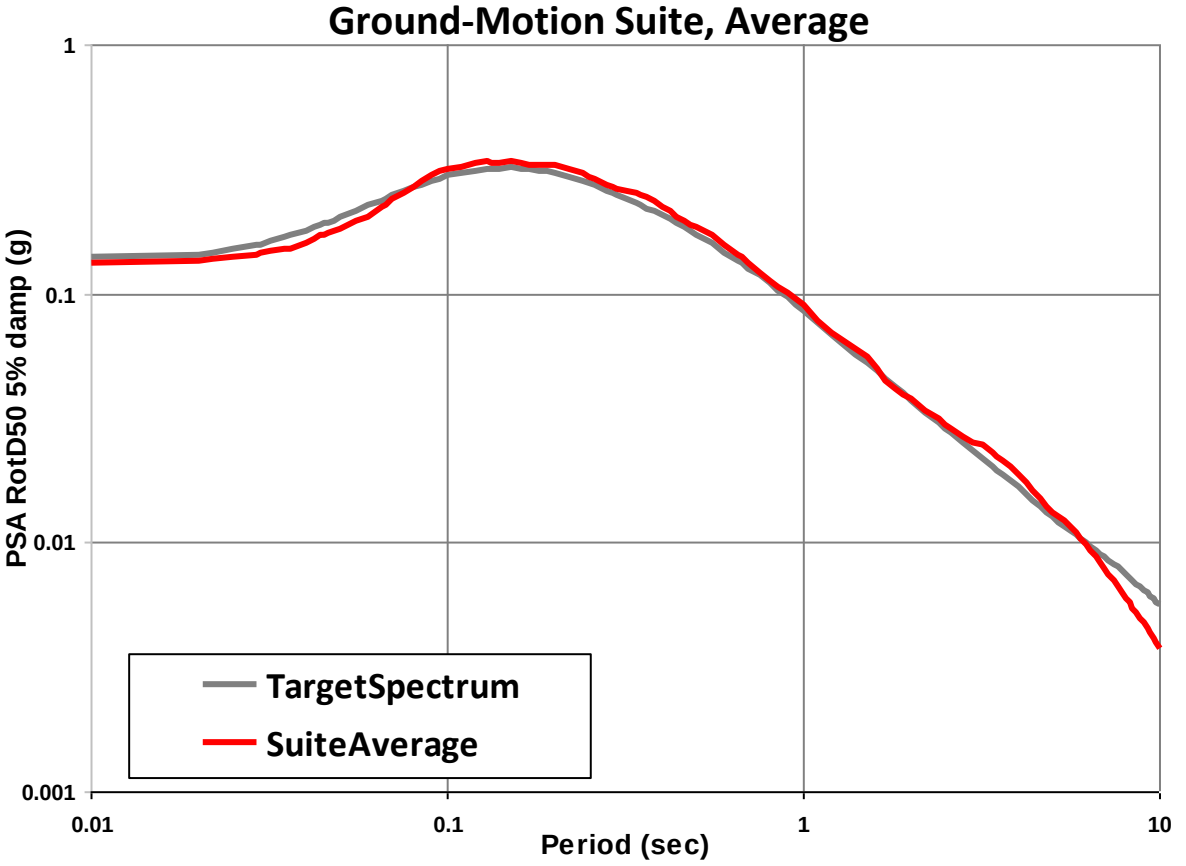
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.3	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4230	Niigata, Japan NIGH13 2004	6.63	37	461.1	Reverse	9.4	1.35	RSN4230_NIIGATA_NIGH13NS.AT2 RSN4230_NIIGATA_NIGH13EW.AT2 RSN4230_NIIGATA_NIGH13UD.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	1.1	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.31	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.56	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	0.87	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4793	Wenchuan, China Mingshan 2008	7.9	84	600.39	Reverse O	41.8	0.68	RSN4793_WENCHUAN_UA1067.AT2 RSN4793_WENCHUAN_UA1066.AT2 RSN4793_WENCHUAN_UA1068.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	1.12	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.25	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5494	Iwate AKTH18 2008	6.9	47	431	Reverse	8.1	0.84	RSN5494_IWATE_AKTH18NS.AT2 RSN5494_IWATE_AKTH18EW.AT2 RSN5494_IWATE_AKTH18UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.4	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	1.13	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.53	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2

Site	05 Bakersfield
Site Vs30 (m/s)	760
Return Period (yr)	100

5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.42	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.42	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5833	El Mayor-Cucapah TRES HERMANOS 2010	7.2	95	521.76	strike slip	22.8	2.19	RSN5833_SIERRA.MEX_TRH000.AT2 RSN5833_SIERRA.MEX_TRH090.AT2 RSN5833_SIERRA.MEX_TRH--V.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.64	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.38	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.86	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	3.11	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8697	40204628 Laurel Hill 2007	5.45	29	477	strike slip	6.1	3.1	RSN8697_40204628_NJLABHNN.AT2 RSN8697_40204628_NJLABHNE.AT2 RSN8697_40204628_NJLABHNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.63	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	3.72	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	3.84	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

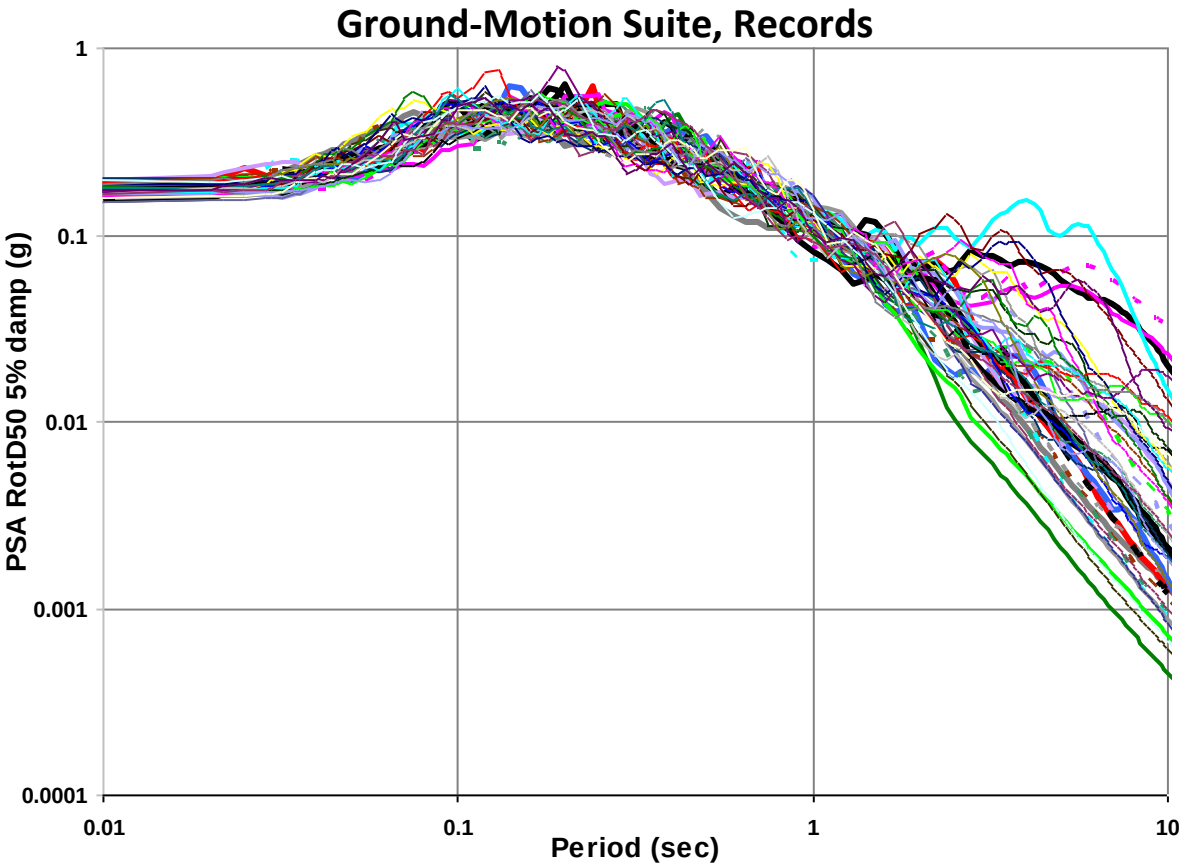
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.89	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.75	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.3	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.73	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.58	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.22	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.37	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.43	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	2.82	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.37	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.7	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1169	Kocaeli, Turkey Maslak 1999	7.51	53	445.66	strike slip	16.3	3.01	RSN1169_KOCAELI_MSK000.AT2 RSN1169_KOCAELI_MSK090.AT2 RSN1169_KOCAELI_MSK-UP.AT2

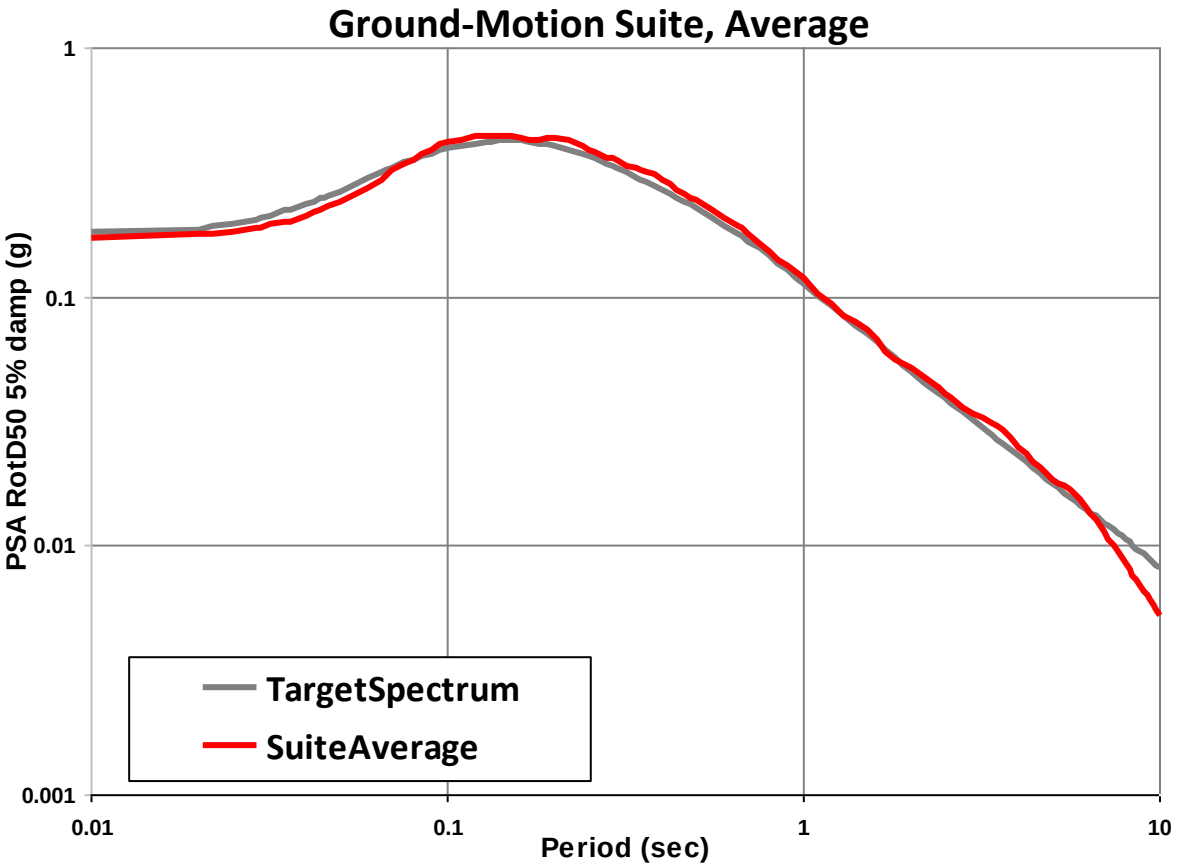
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	2.3	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.71	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	1.38	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	1.73	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.78	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.45	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	1.91	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	1.43	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.98	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.13	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3739	Whittier Narrows-02 Sunland - Mt Gleason Ave 1987	5.27	28	402.16	Reverse O	4.2	3.34	RSN3739_WHITTIER.B_B-GLE180.AT2 RSN3739_WHITTIER.B_B-GLE270.AT2 RSN3739_WHITTIER.B_B-GLE-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.28	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.84	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.14	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.08	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	1.94	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.39	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4230	Niigata, Japan NIGH13 2004	6.63	37	461.1	Reverse	9.4	1.71	RSN4230_NIIGATA_NIGH13NS.AT2 RSN4230_NIIGATA_NIGH13EW.AT2 RSN4230_NIIGATA_NIGH13UD.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	1.4	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.67	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.98	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	1.11	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4793	Wenchuan, China Mingshan 2008	7.9	84	600.39	Reverse O	41.8	0.86	RSN4793_WENCHUAN_UA1067.AT2 RSN4793_WENCHUAN_UA1066.AT2 RSN4793_WENCHUAN_UA1068.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	1.43	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.32	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.26	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.51	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	1.43	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.67	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.53	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.54	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5833	El Mayor-Cucapah TRES HERMANOS 2010	7.2	95	521.76	strike slip	22.8	2.78	RSN5833_SIERRA.MEX_TRH000.AT2 RSN5833_SIERRA.MEX_TRH090.AT2 RSN5833_SIERRA.MEX_TRH--V.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.81	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.48	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	1.09	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	3.95	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8697	40204628 Laurel Hill 2007	5.45	29	477	strike slip	6.1	3.93	RSN8697_40204628_NJLABHNN.AT2 RSN8697_40204628_NJLABHNE.AT2 RSN8697_40204628_NJLABHNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.07	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.17	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.39	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.96	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.77	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.61	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.49	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.57	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	3.73	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.48	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.92	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1170	Kocaeli, Turkey Mecidiyekoy 1999	7.51	51	384.86	strike slip	10.3	3.04	RSN1170_KOCAELI_MCD000.AT2 RSN1170_KOCAELI_MCD090.AT2 RSN1170_KOCAELI_MCD--V.AT2

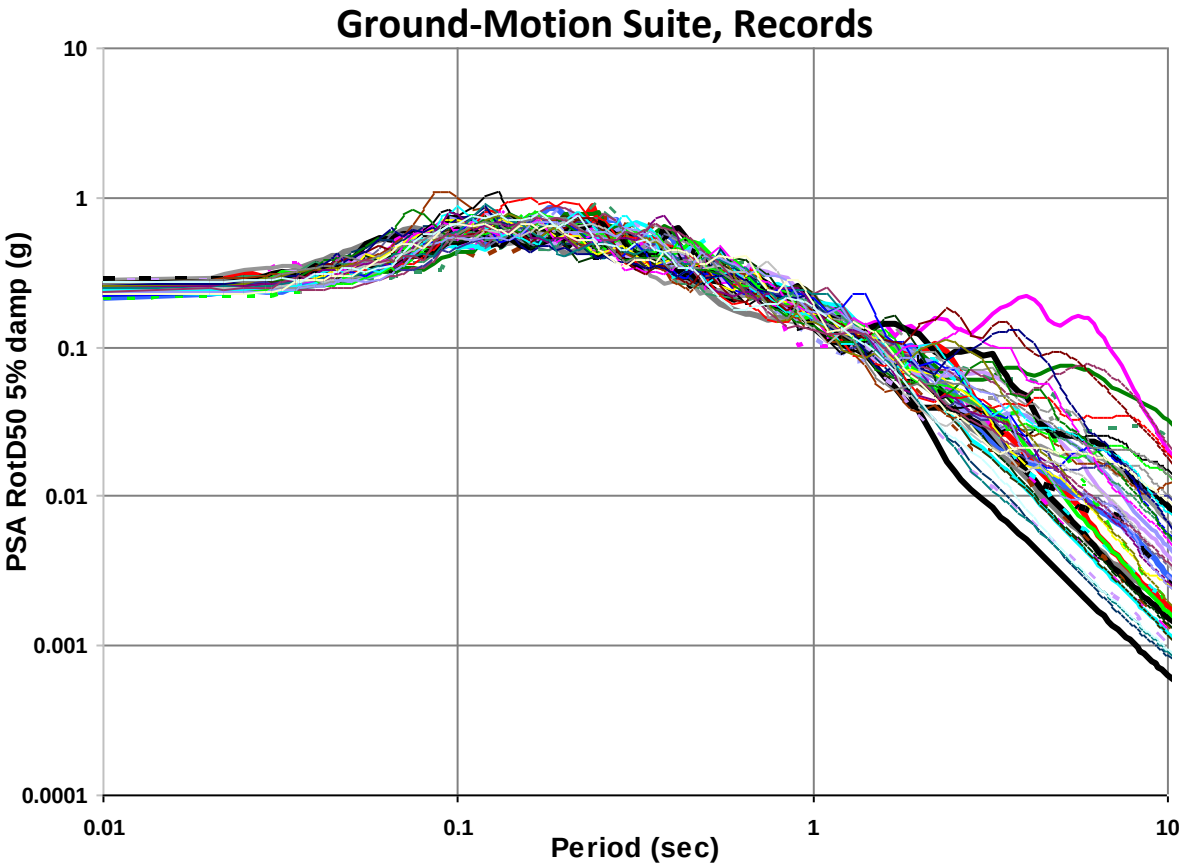
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.94	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	1.83	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
1786	Hector Mine Heart Bar State Park 1999	7.13	61	624.94	strike slip	11.2	2.01	RSN1786_HECTOR_HBS090.AT2 RSN1786_HECTOR_HBS180.AT2 RSN1786_HECTOR_HBS-UP.AT2
1832	Hector Mine Seven Oaks Dam Project Office 1999	7.13	87	564.93	strike slip	11.9	3.08	RSN1832_HECTOR_SVD090.AT2 RSN1832_HECTOR_SVD360.AT2 RSN1832_HECTOR_SVD-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	2.28	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.03	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	3.23	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	1.89	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.3	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.49	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.37	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.12	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.51	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2

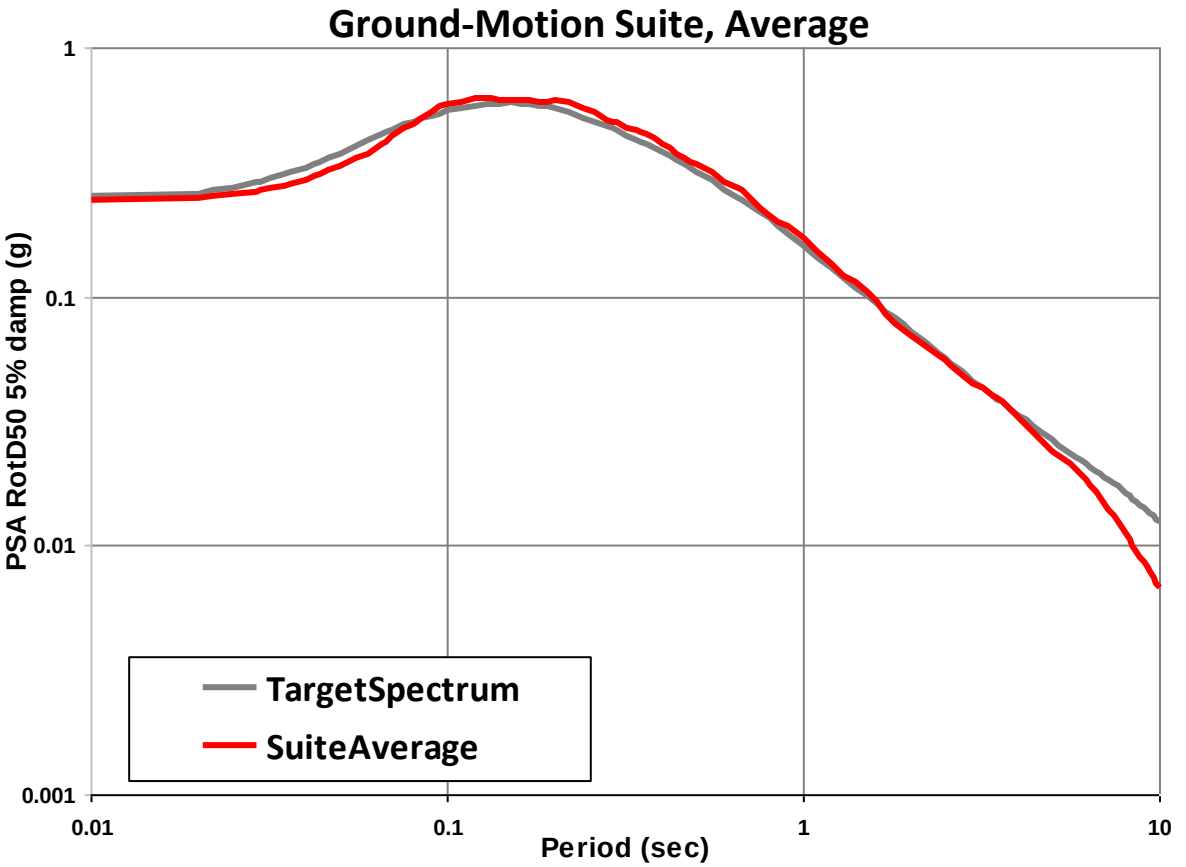
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.43	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	2.56	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.51	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.32	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4230	Niigata, Japan NIGH13 2004	6.63	37	461.1	Reverse	9.4	2.26	RSN4230_NIIGATA_NIGH13NS.AT2 RSN4230_NIIGATA_NIGH13EW.AT2 RSN4230_NIIGATA_NIGH13UD.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	1.85	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.2	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	1.83	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.61	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	1.47	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4793	Wenchuan, China Mingshan 2008	7.9	84	600.39	Reverse O	41.8	1.14	RSN4793_WENCHUAN_UA1067.AT2 RSN4793_WENCHUAN_UA1066.AT2 RSN4793_WENCHUAN_UA1068.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	1.89	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.43	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	05 Bakersfield
Site Vs30 (m/s)	760
Return Period (yr)	250

5648	Iwate IWTH16 2008	6.9	48	534.71	Reverse	18.4	3.53	RSN5648_IWATE_IWTH16NS.AT2 RSN5648_IWATE_IWTH16EW.AT2 RSN5648_IWATE_IWTH16UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.34	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.67	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	1.89	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.89	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.7	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.71	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5833	El Mayor-Cucapah TRES HERMANOS 2010	7.2	95	521.76	strike slip	22.8	3.67	RSN5833_SIERRA.MEX_TRH000.AT2 RSN5833_SIERRA.MEX_TRH090.AT2 RSN5833_SIERRA.MEX_TRH--V.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	1.07	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.63	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	1.44	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.73	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**

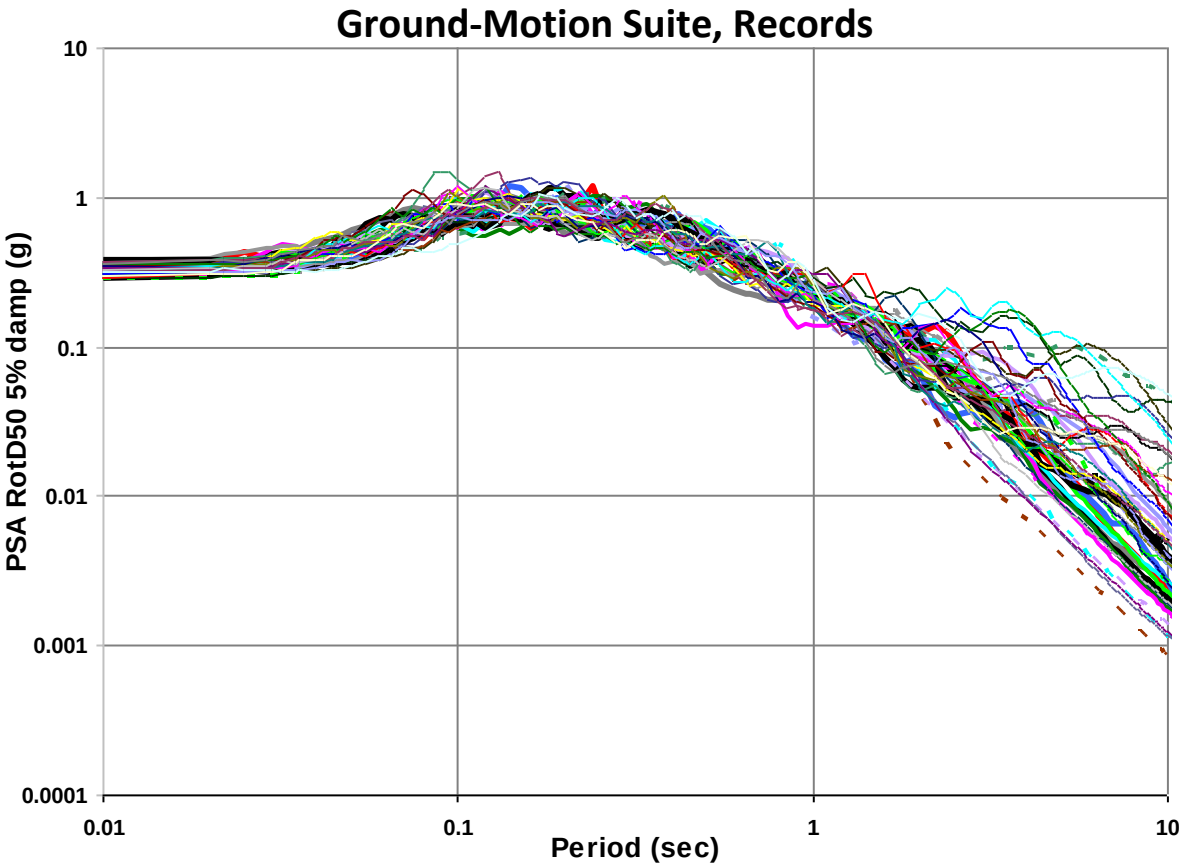
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.66	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.4	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.55	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.35	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.08	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.27	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.73	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.68	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.8	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.68	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.32	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	2.57	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2

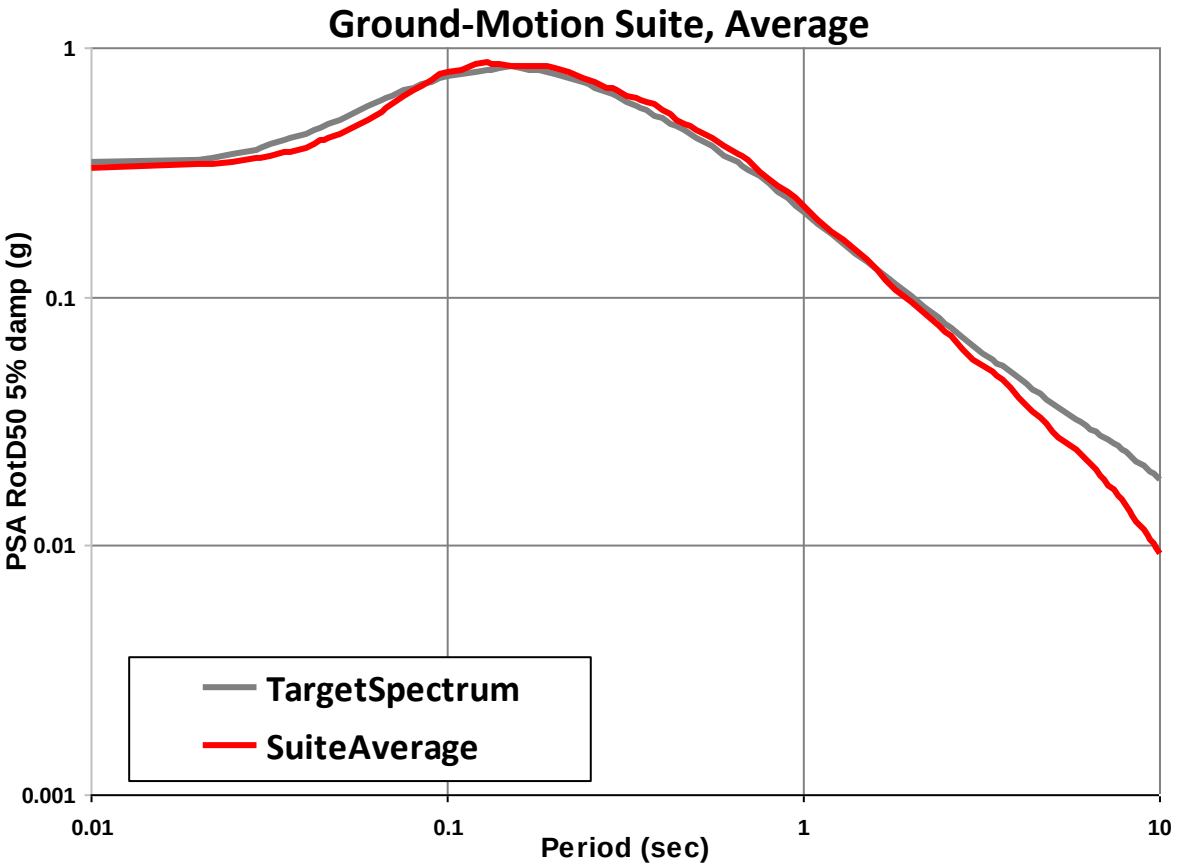
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
1786	Hector Mine Heart Bar State Park 1999	7.13	61	624.94	strike slip	11.2	2.84	RSN1786_HECTOR_HBS090.AT2 RSN1786_HECTOR_HBS180.AT2 RSN1786_HECTOR_HBS-UP.AT2
1795	Hector Mine Joshua Tree N.M. - Keys View 1999	7.13	50	686.12	strike slip	11.4	3.15	RSN1795_HECTOR_JTN090.AT2 RSN1795_HECTOR_JTN180.AT2 RSN1795_HECTOR_JTN-UP.AT2
2113	Denali, Alaska TAPS Pump Station #09 2002	7.9	53	382.5	strike slip	40.7	3.21	RSN2113_DENALI_PS09-13.AT2 RSN2113_DENALI_PS09103.AT2 RSN2113_DENALI_PS09-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.46	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	2.66	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.83	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.11	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.52	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.57	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.13	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.01	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	3.6	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.72	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.46	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4230	Niigata, Japan NIGH13 2004	6.63	37	461.1	Reverse	9.4	3.18	RSN4230_NIIGATA_NIGH13NS.AT2 RSN4230_NIIGATA_NIGH13EW.AT2 RSN4230_NIIGATA_NIGH13UD.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	2.61	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.1	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	2.58	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	3.68	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4720	Wenchuan, China Heishuidiban 2008	7.9	90	366.63	Reverse O	36.5	2.76	RSN4720_WENCHUAN_UA0788.AT2 RSN4720_WENCHUAN_UA0787.AT2 RSN4720_WENCHUAN_UA0789.AT2
4782	Wenchuan, China Cangxiqixiangju 2008	7.9	93	541.97	Reverse O	43.6	1.29	RSN4782_WENCHUAN_UA1030.AT2 RSN4782_WENCHUAN_UA1031.AT2 RSN4782_WENCHUAN_UA1032.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	2.07	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4793	Wenchuan, China Mingshan 2008	7.9	84	600.39	Reverse O	41.8	1.6	RSN4793_WENCHUAN_UA1067.AT2 RSN4793_WENCHUAN_UA1066.AT2 RSN4793_WENCHUAN_UA1068.AT2
4795	Wenchuan, China Guangyuanshijing 2008	7.9	54	388.25	Reverse O	27.7	0.94	RSN4795_WENCHUAN_UA1072.AT2 RSN4795_WENCHUAN_UA1073.AT2 RSN4795_WENCHUAN_UA1074.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	2.66	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	1.35	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.6	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.48	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.95	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	2.66	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.26	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.98	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	1.51	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.89	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	2.04	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	3.85	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**

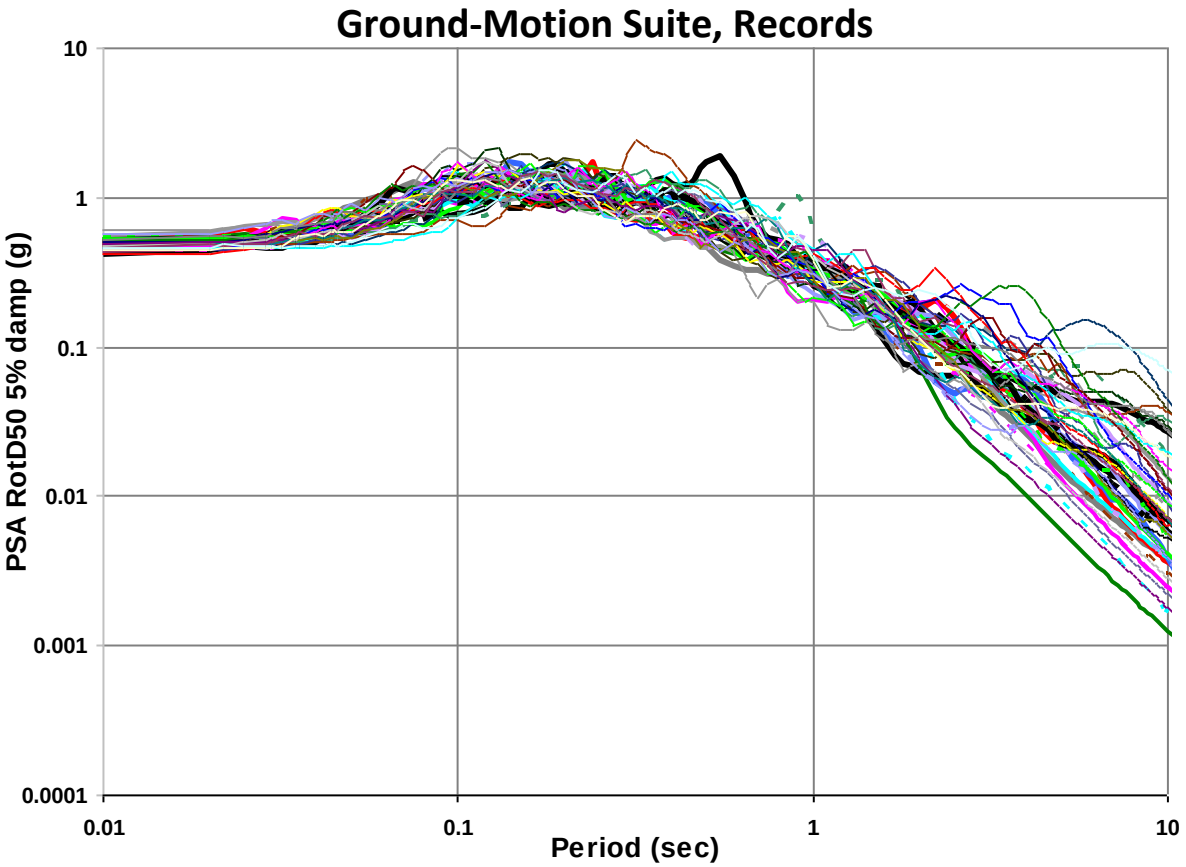
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.24	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.9	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.75	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.83	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.47	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
246	Mammoth Lakes-06 Benton 1980	5.94	42	370.94	strike slip	3.6	2.44	RSN246_MAMMOTH.L_L-BEN270.AT RSN246_MAMMOTH.L_L-BEN360.AT RSN246_MAMMOTH.L_L-BEN-UP.AT
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	3.07	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.35	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.88	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.93	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.08	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
855	Landers Fort Irwin 1992	7.28	63	367.43	strike slip	7.8	2.59	RSN855_LANDERS_FTI000.AT2 RSN855_LANDERS_FTI090.AT2 RSN855_LANDERS_FTI-UP.AT2

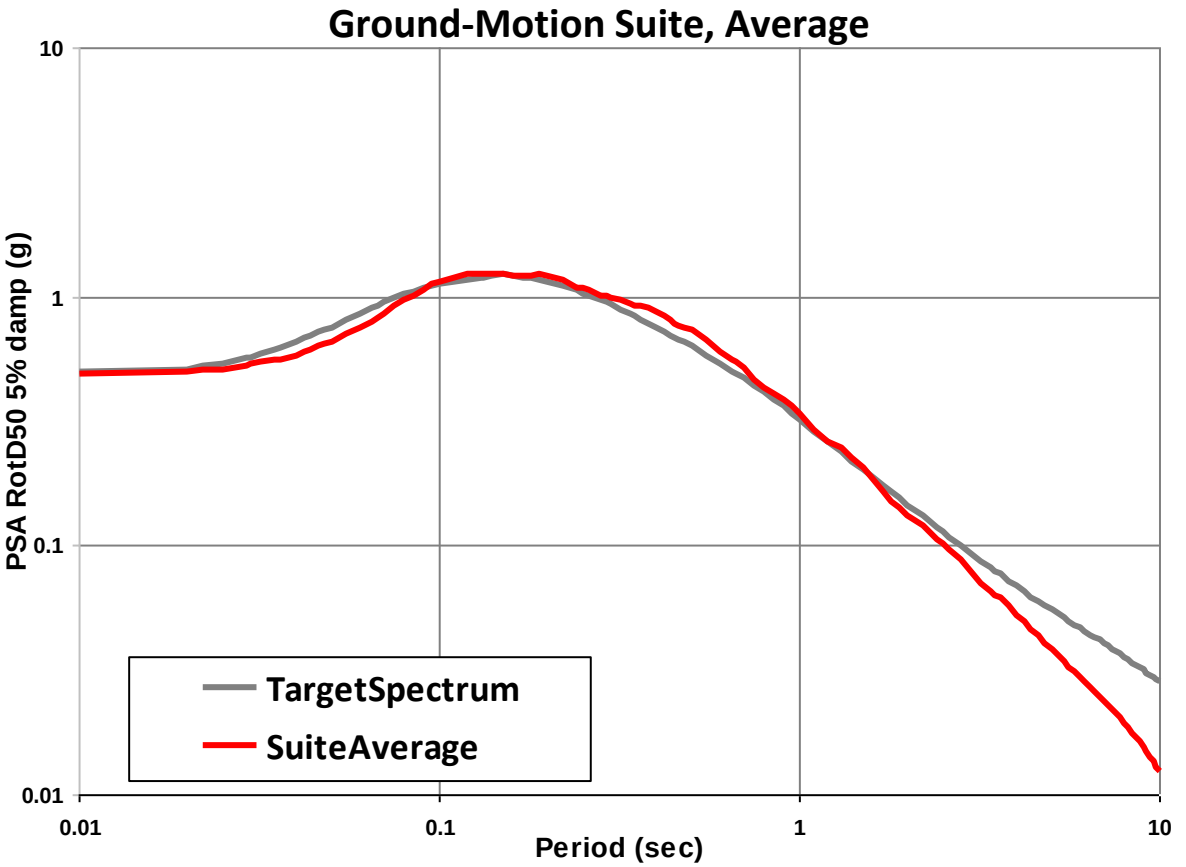
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.92	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	1.76	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.79	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1643	Sierra Madre LA - City Terrace 1991	5.61	24	365.22	Reverse	4	3.49	RSN1643_SMADRE_LAC090.AT2 RSN1643_SMADRE_LAC180.AT2 RSN1643_SMADRE_LAC-UP.AT2
1786	Hector Mine Heart Bar State Park 1999	7.13	61	624.94	strike slip	11.2	3.84	RSN1786_HECTOR_HBS090.AT2 RSN1786_HECTOR_HBS180.AT2 RSN1786_HECTOR_HBS-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.97	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	3.61	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.48	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.85	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.71	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.13	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.88	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.73	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.98	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.62	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4329	Potenza, Italy Rionero In Vulture 1990	5.8	34	574.88	strike slip	4.5	3.54	RSN4329_POTENZA.P_A-VLT000.AT2 RSN4329_POTENZA.P_A-VLT270.AT2 RSN4329_POTENZA.P_A-VLT-UP.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.78	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	3.5	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4720	Wenchuan, China Heishuidiban 2008	7.9	90	366.63	Reverse O	36.5	3.74	RSN4720_WENCHUAN_UA0788.AT2 RSN4720_WENCHUAN_UA0787.AT2 RSN4720_WENCHUAN_UA0789.AT2
4759	Wenchuan, China Xinjinlihua 2008	7.9	64	504.85	Reverse O	56.2	2.94	RSN4759_WENCHUAN_UA0926.AT2 RSN4759_WENCHUAN_UA0927.AT2 RSN4759_WENCHUAN_UA0925.AT2
4782	Wenchuan, China Cangxiqixiangju 2008	7.9	93	541.97	Reverse O	43.6	1.75	RSN4782_WENCHUAN_UA1030.AT2 RSN4782_WENCHUAN_UA1031.AT2 RSN4782_WENCHUAN_UA1032.AT2
4792	Wenchuan, China Lushan 2008	7.9	83	587.22	Reverse O	44	2.8	RSN4792_WENCHUAN_UA1064.AT2 RSN4792_WENCHUAN_UA1063.AT2 RSN4792_WENCHUAN_UA1065.AT2
4793	Wenchuan, China Mingshan 2008	7.9	84	600.39	Reverse O	41.8	2.18	RSN4793_WENCHUAN_UA1067.AT2 RSN4793_WENCHUAN_UA1066.AT2 RSN4793_WENCHUAN_UA1068.AT2
4795	Wenchuan, China Guangyuanshijing 2008	7.9	54	388.25	Reverse O	27.7	1.27	RSN4795_WENCHUAN_UA1072.AT2 RSN4795_WENCHUAN_UA1073.AT2 RSN4795_WENCHUAN_UA1074.AT2
4808	Wenchuan, China Lushanfenghe 2008	7.9	92	648.51	Reverse O	32.4	3.6	RSN4808_WENCHUAN_UA1115.AT2 RSN4808_WENCHUAN_UA1114.AT2 RSN4808_WENCHUAN_UA1116.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	1.83	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.81	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.65	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.25	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.28	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	3.6	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.7	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.33	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.36	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	2.05	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.2	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	2.76	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2

Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	**05 Bakersfield**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**

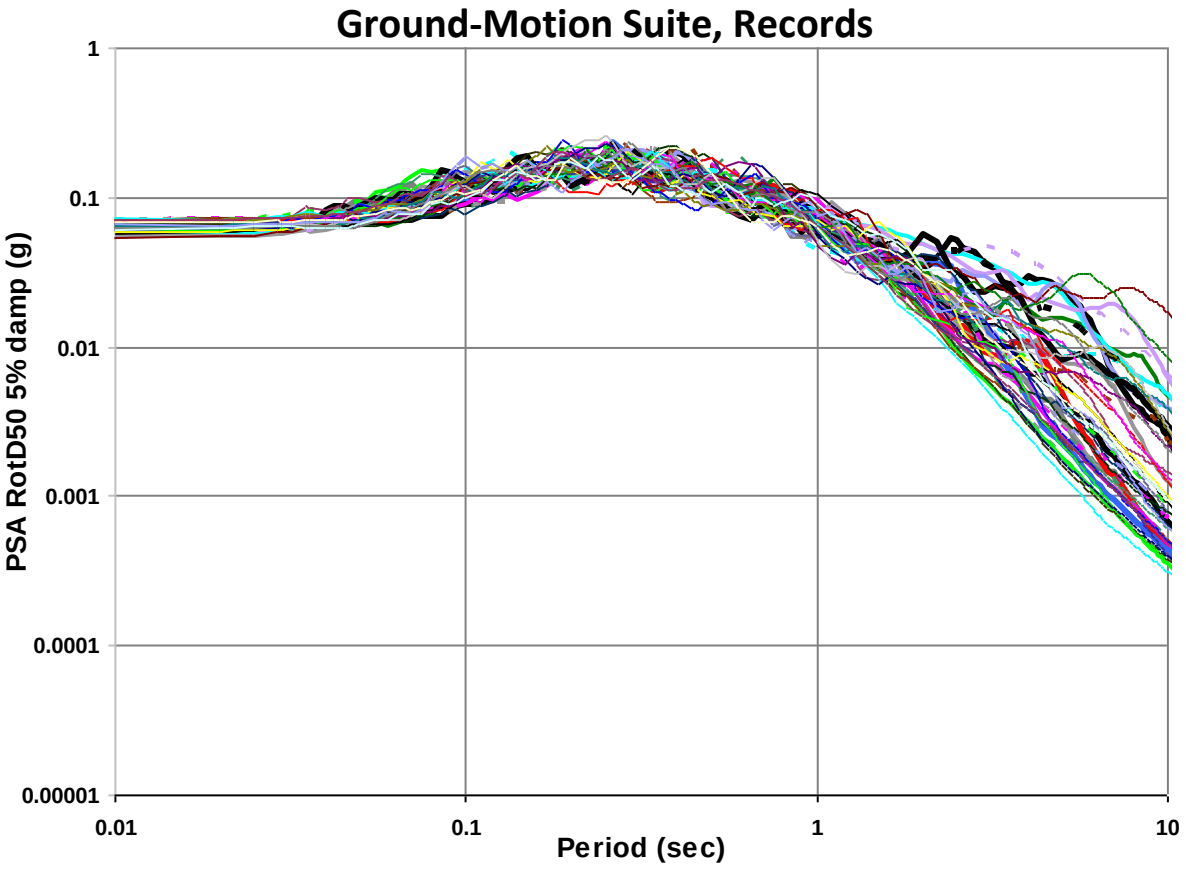
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	3.27	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	3.11	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.78	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.09	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.67	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.14	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
246	Mammoth Lakes-06 Benton 1980	5.94	42	370.94	strike slip	3.6	3.56	RSN246_MAMMOTH.L_L-BEN270.AT RSN246_MAMMOTH.L_L-BEN360.AT RSN246_MAMMOTH.L_L-BEN-UP.AT
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.31	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.79	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
572	Taiwan SMART1(45) SMART1 E02 1986	7.3	51	671.52	Reverse	7.1	3.15	RSN572_SMART1.45_45EO2EW.AT2 RSN572_SMART1.45_45EO2NS.AT2 RSN572_SMART1.45_45EO2DN.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	3.43	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.74	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

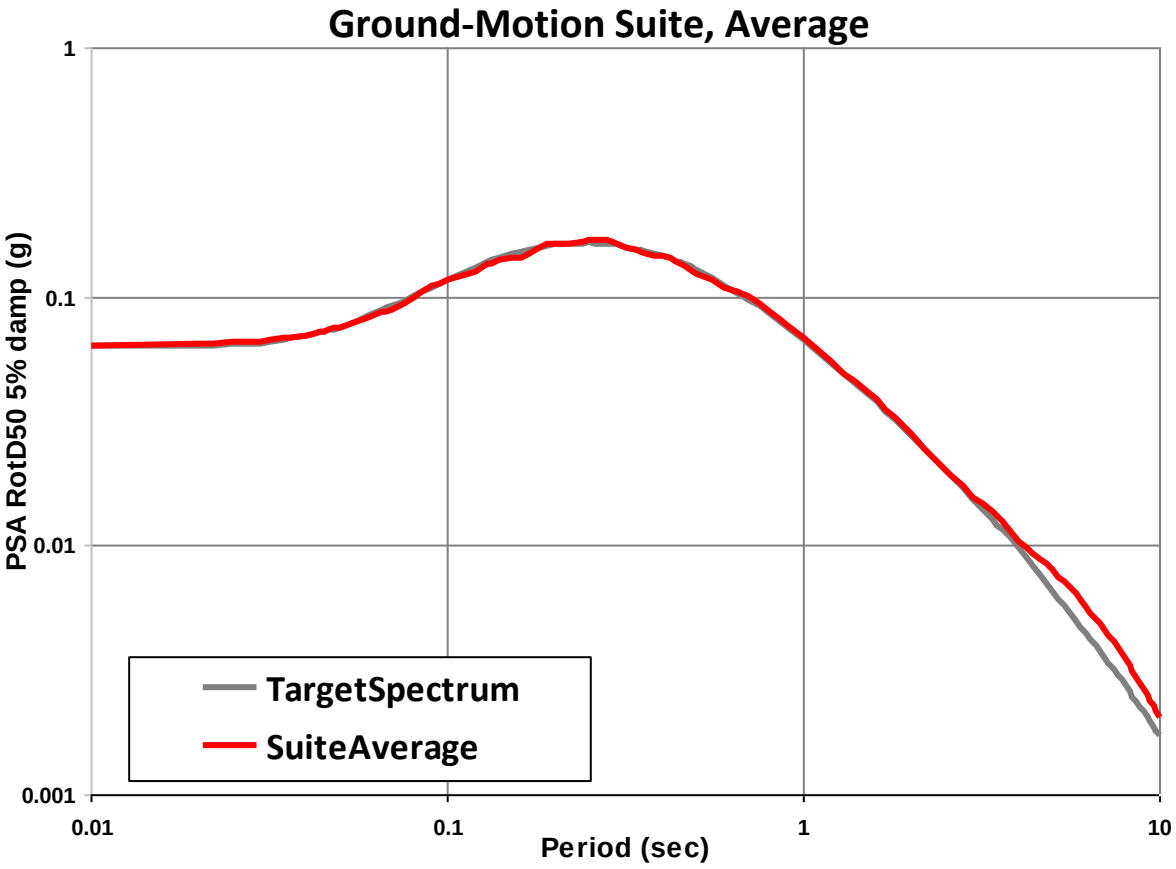
Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.35	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.58	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
855	Landers Fort Irwin 1992	7.28	63	367.43	strike slip	7.8	3.78	RSN855_LANDERS_FTI000.AT2 RSN855_LANDERS_FTI090.AT2 RSN855_LANDERS_FTI-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.35	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	2.56	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1160	Kocaeli, Turkey Fatih 1999	7.51	53	386.75	strike slip	16.8	2.51	RSN1160_KOCAELI_FAT000.AT2 RSN1160_KOCAELI_FAT090.AT2 RSN1160_KOCAELI_FAT-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.61	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1783	Hector Mine Fort Irwin 1999	7.13	65	367.43	strike slip	8.1	3.87	RSN1783_HECTOR_32577360.AT2 RSN1783_HECTOR_32577090.AT2 RSN1783_HECTOR_32577-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	2.88	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	3.61	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.03	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	3.11	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.82	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.42	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.9	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.59	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.86	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4750	Wenchuan, China Songpan'anhong 2008	7.9	83	374.38	Reverse O	42.2	3.77	RSN4750_WENCHUAN_UA0893.AT2 RSN4750_WENCHUAN_UA0892.AT2 RSN4750_WENCHUAN_UA0894.AT2
4782	Wenchuan, China Cangxiqixiangju 2008	7.9	93	541.97	Reverse O	43.6	2.56	RSN4782_WENCHUAN_UA1030.AT2 RSN4782_WENCHUAN_UA1031.AT2 RSN4782_WENCHUAN_UA1032.AT2
4793	Wenchuan, China Mingshan 2008	7.9	84	600.39	Reverse O	41.8	3.17	RSN4793_WENCHUAN_UA1067.AT2 RSN4793_WENCHUAN_UA1066.AT2 RSN4793_WENCHUAN_UA1068.AT2
4795	Wenchuan, China Guangyuanshijing 2008	7.9	54	388.25	Reverse O	27.7	1.86	RSN4795_WENCHUAN_UA1072.AT2 RSN4795_WENCHUAN_UA1073.AT2 RSN4795_WENCHUAN_UA1074.AT2
4803	Wenchuan, China Pujiangdaxing 2008	7.9	60	389.5	Reverse O	51	2.52	RSN4803_WENCHUAN_UA1100.AT2 RSN4803_WENCHUAN_UA1099.AT2 RSN4803_WENCHUAN_UA1101.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	2.66	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	3.18	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.19	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.54	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2

Site	05 Bakersfield							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	2.46	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.95	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.36	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.87	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	2.48	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.94	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.98	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6057	Big Bear-01 Highland Fire Station 1992	6.46	26	362.39	strike slip	7.2	3.67	RSN6057_BIGBEAR_1982A315.AT2 RSN6057_BIGBEAR_1982C225.AT2 RSN6057_BIGBEAR_1982B-UP.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	2.98	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.75	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

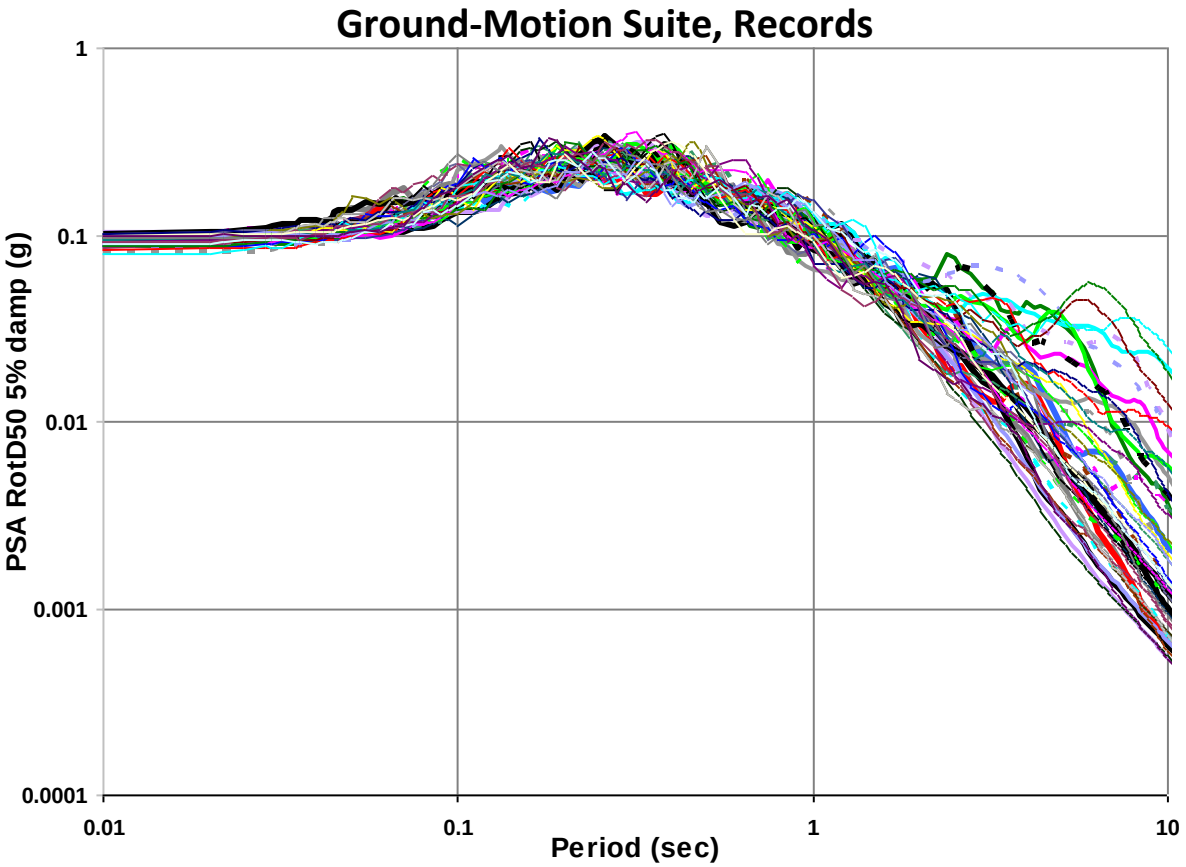
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	1.46	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	0.25	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.3	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
136	Santa Barbara Santa Barbara Courthouse 1978	5.92	0	514.99	Reverse O	2.8	0.47	RSN136_SBARB_SBA132.AT2 RSN136_SBARB_SBA222.AT2 RSN136_SBARB_SBA-UP.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	0.27	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
154	Coyote Lake San Juan Bautista, 24 Polk St 1979	5.74	19	335.5	strike slip	6.1	0.71	RSN154_COYOTELK_SJB213.AT2 RSN154_COYOTELK_SJB303.AT2 RSN154_COYOTELK_SJB-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.32	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.28	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.32	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	0.44	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.25	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	0.73	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2

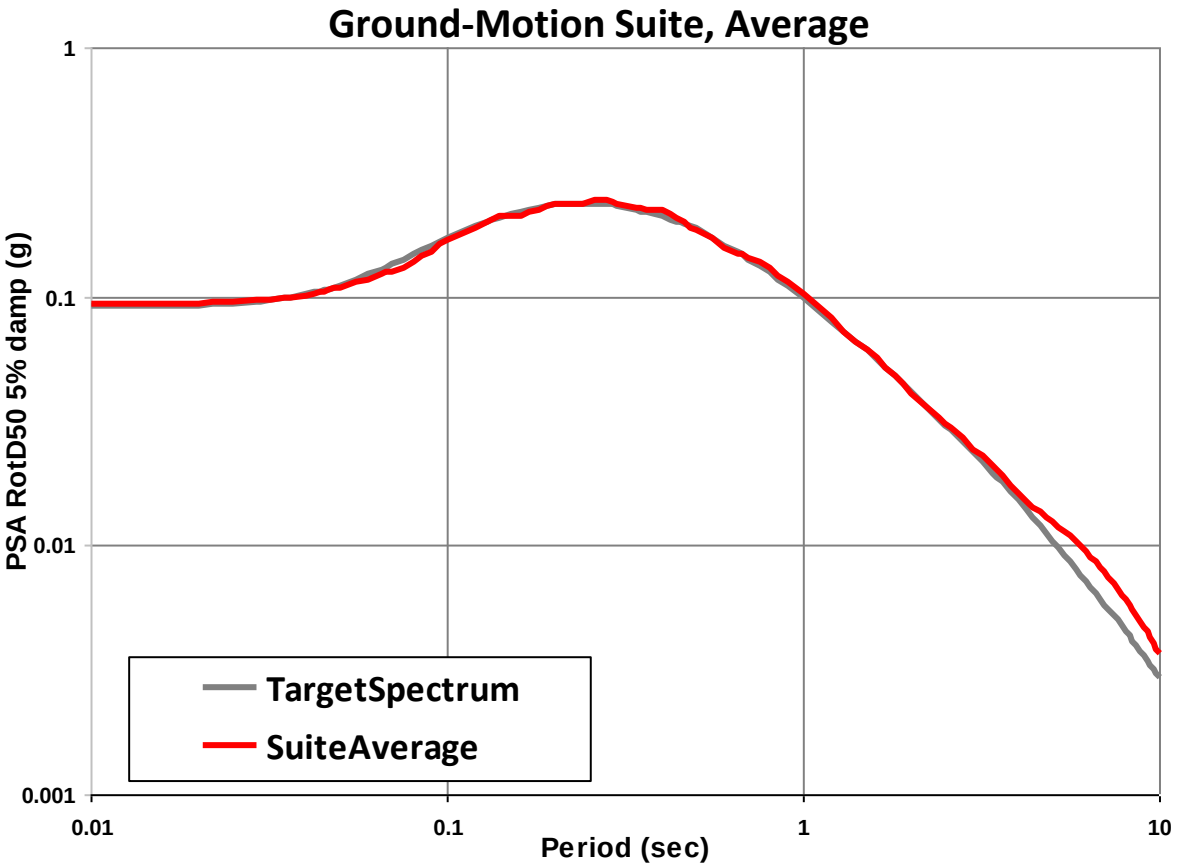
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.39	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.87	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.02	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
298	Irpinia, Italy-02 Bovino 1980	6.2	44	356.39	Normal	9.6	2.13	RSN298_ITALY_B-BOV000.AT2 RSN298_ITALY_B-BOV270.AT2 RSN298_ITALY_B-BOV-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.26	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	0.38	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	0.6	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.3	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
674	Whittier Narrows-01 Pasadena - Brown Gym 1987	5.99	4	341.14	Reverse O	3.3	0.43	RSN674_WHITTIER.A_A-BRG180.AT2 RSN674_WHITTIER.A_A-BRG270.AT2 RSN674_WHITTIER.A_A-BRG-UP.AT2
739	Loma Prieta Anderson Dam (Downstream) 1989	6.93	20	488.77	Reverse O	5.2	0.26	RSN739_LOMAP_AND250.AT2 RSN739_LOMAP_AND340.AT2 RSN739_LOMAP_AND-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.44	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.26	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.58	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.37	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	0.59	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.29	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.4	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.32	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1190	Chi-Chi, Taiwan CHY019 1999	7.62	50	497.53	Reverse O	24.5	1.05	RSN1190_CHICHI_CHY019-N.AT2 RSN1190_CHICHI_CHY019-W.AT2 RSN1190_CHICHI_CHY019-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.5	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	2.38	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.33	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3470	Chi-Chi, Taiwan-06 TCU072 1999	6.3	8	468.14	Reverse	5.6	0.75	RSN3470_CHICHI.06_TCU072N.AT2 RSN3470_CHICHI.06_TCU072E.AT2 RSN3470_CHICHI.06_TCU072V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.52	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3710	Whittier Narrows-02 LA - E Vernon Ave 1987	5.27	12	283.14	Reverse O	4.7	0.64	RSN3710_WHITTIER.B_B-VER083.AT2 RSN3710_WHITTIER.B_B-VER173.AT2 RSN3710_WHITTIER.B_B-VER-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.39	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.26	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.3	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	0.46	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.25	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4440	Friuli (aftershock 13), Italy Buia 1976	5.9	-999	310.68	Reverse	4.6	0.72	RSN4440_FRIULI.P1_Z-BUI-NS.AT2 RSN4440_FRIULI.P1_Z-BUI-WE.AT2 RSN4440_FRIULI.P1_Z-BUI-VT.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.25	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.34	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.41	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8099	Christchurch, New Zealand Kaiapoi North School 2011	6.2	18	255	Reverse O	4.3	0.3	RSN8099_CCHURCH_KPOCN15E.AT2 RSN8099_CCHURCH_KPOCS75E.AT2 RSN8099_CCHURCH_KPOCUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	0.72	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.53	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.67	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

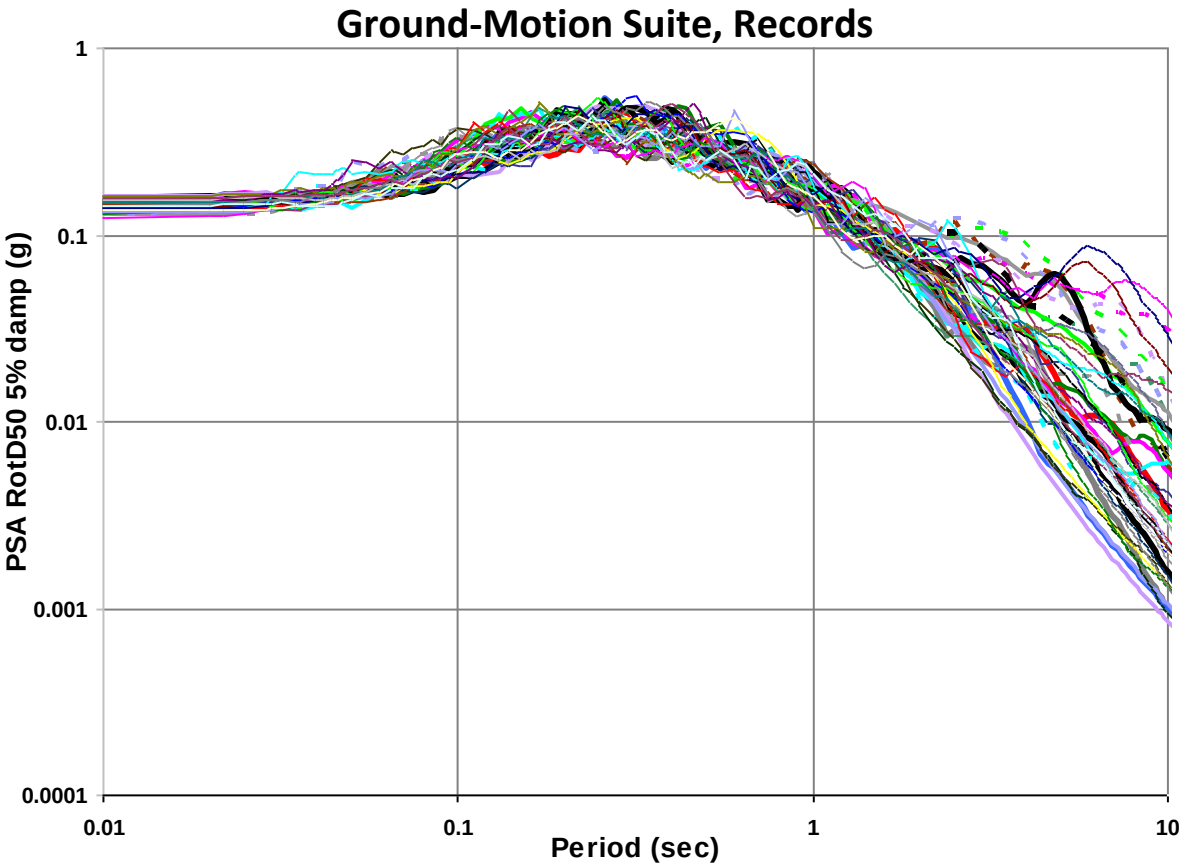
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	2.13	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.26	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.44	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.28	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	0.4	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.41	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.47	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	0.64	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.37	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	1.07	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.27	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.5	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2

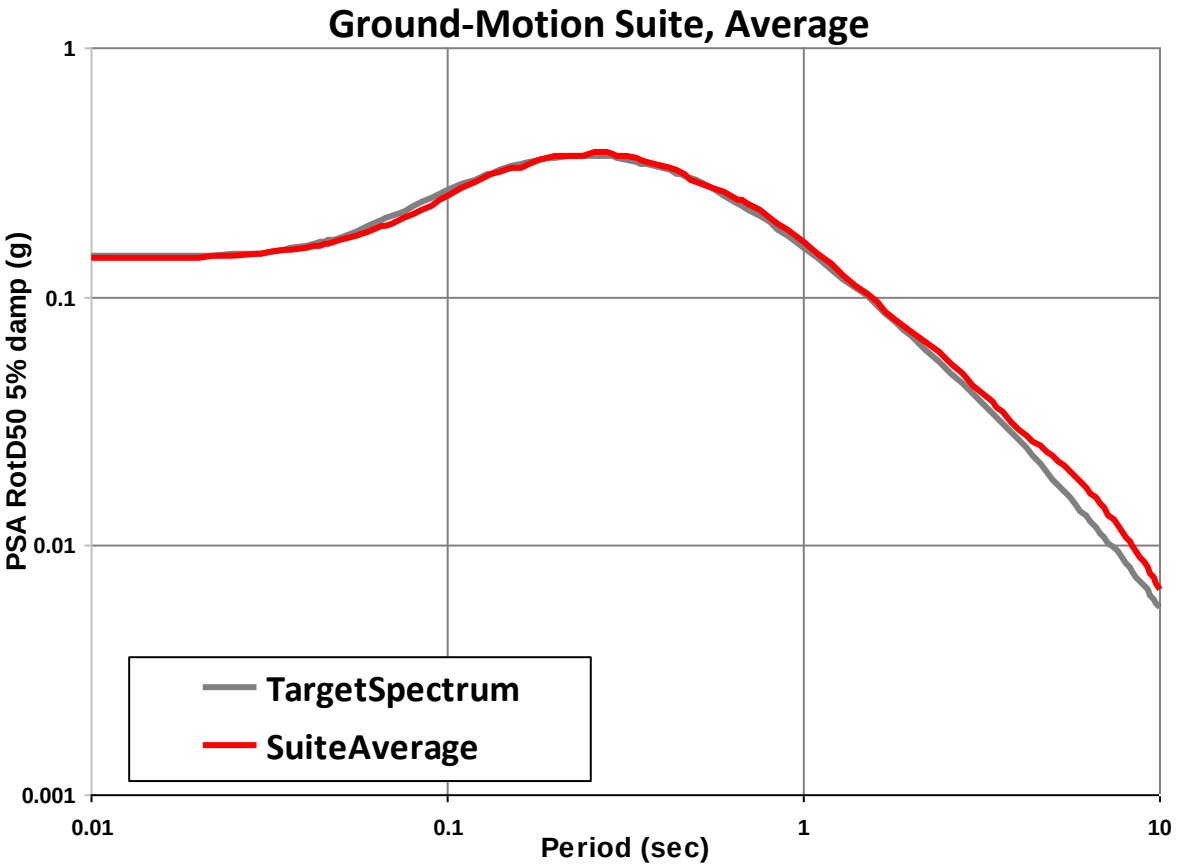
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
298	Irpinia, Italy-02 Bovino 1980	6.2	44	356.39	Normal	9.6	3.11	RSN298_ITALY_B-BOV000.AT2 RSN298_ITALY_B-BOV270.AT2 RSN298_ITALY_B-BOV-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.38	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	0.88	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.44	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.35	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
739	Loma Prieta Anderson Dam (Downstream) 1989	6.93	20	488.77	Reverse O	5.2	0.38	RSN739_LOMAP_AND250.AT2 RSN739_LOMAP_AND340.AT2 RSN739_LOMAP_AND-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.64	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.3	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.38	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.3	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.85	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.54	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	0.69	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	0.86	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.42	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.27	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.58	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.47	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1190	Chi-Chi, Taiwan CHY019 1999	7.62	50	497.53	Reverse O	24.5	1.53	RSN1190_CHICHI_CHY019-N.AT2 RSN1190_CHICHI_CHY019-W.AT2 RSN1190_CHICHI_CHY019-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.34	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.73	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.33	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.49	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.28	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.76	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.36	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.38	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.36	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.44	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.31	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.34	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.27	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.37	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.49	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.36	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.59	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.36	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.78	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

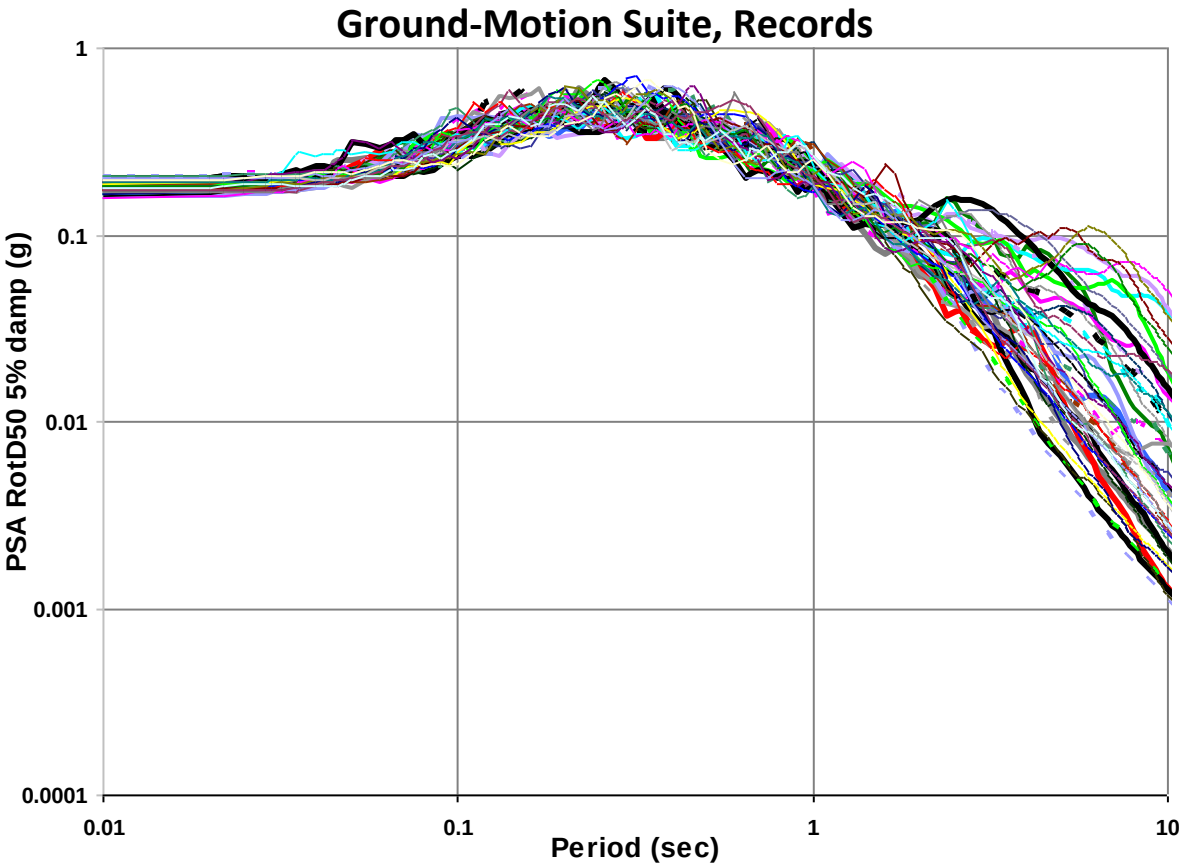
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.41	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.68	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.44	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.73	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.74	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.32	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.32	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.58	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	1.68	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	2.35	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.59	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2

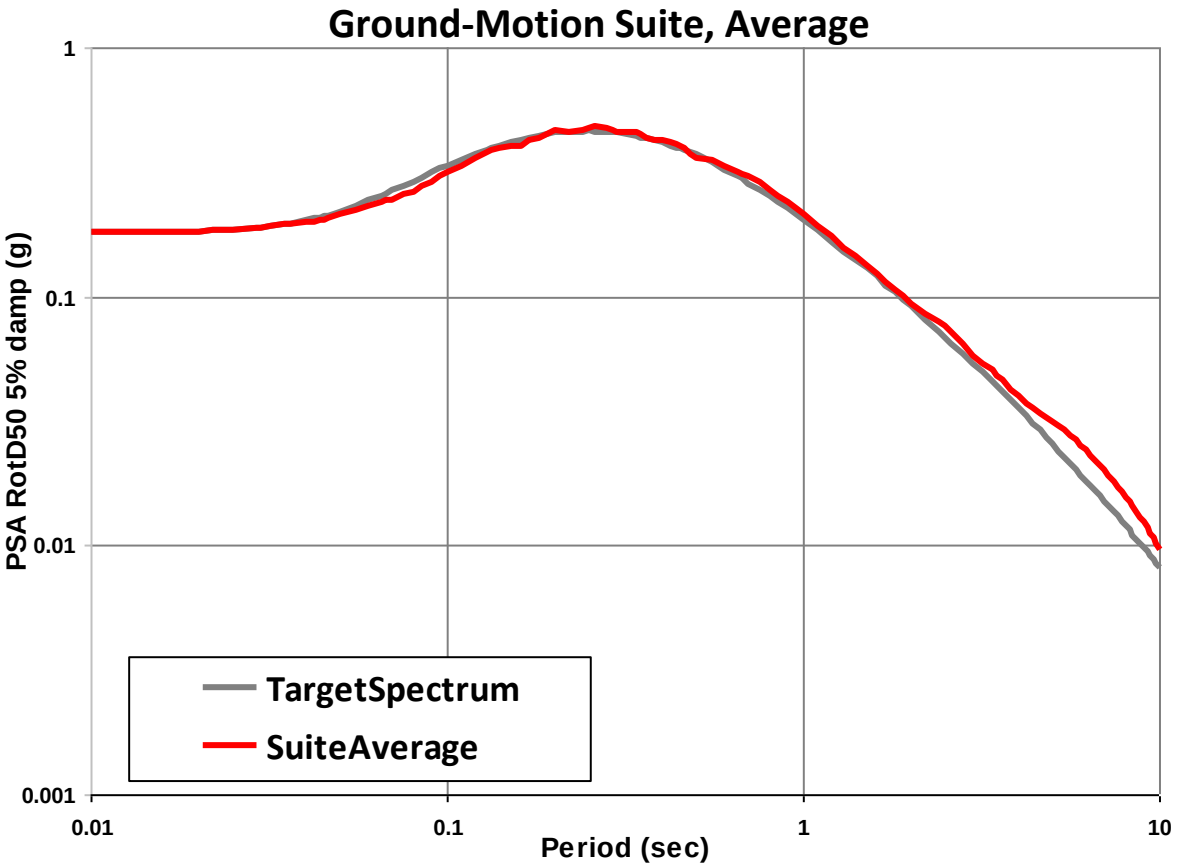
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.38	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.7	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.56	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.26	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.01	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.47	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.36	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.33	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.6	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.85	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.09	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.35	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.66	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.42	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.92	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.73	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1190	Chi-Chi, Taiwan CHY019 1999	7.62	50	497.53	Reverse O	24.5	2.41	RSN1190_CHICHI_CHY019-N.AT2 RSN1190_CHICHI_CHY019-W.AT2 RSN1190_CHICHI_CHY019-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.54	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.35	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.28	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.14	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.52	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.77	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.28	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.44	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.6	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.56	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.69	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.53	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.48	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.42	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.58	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.31	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.77	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	0.97	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.56	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.93	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

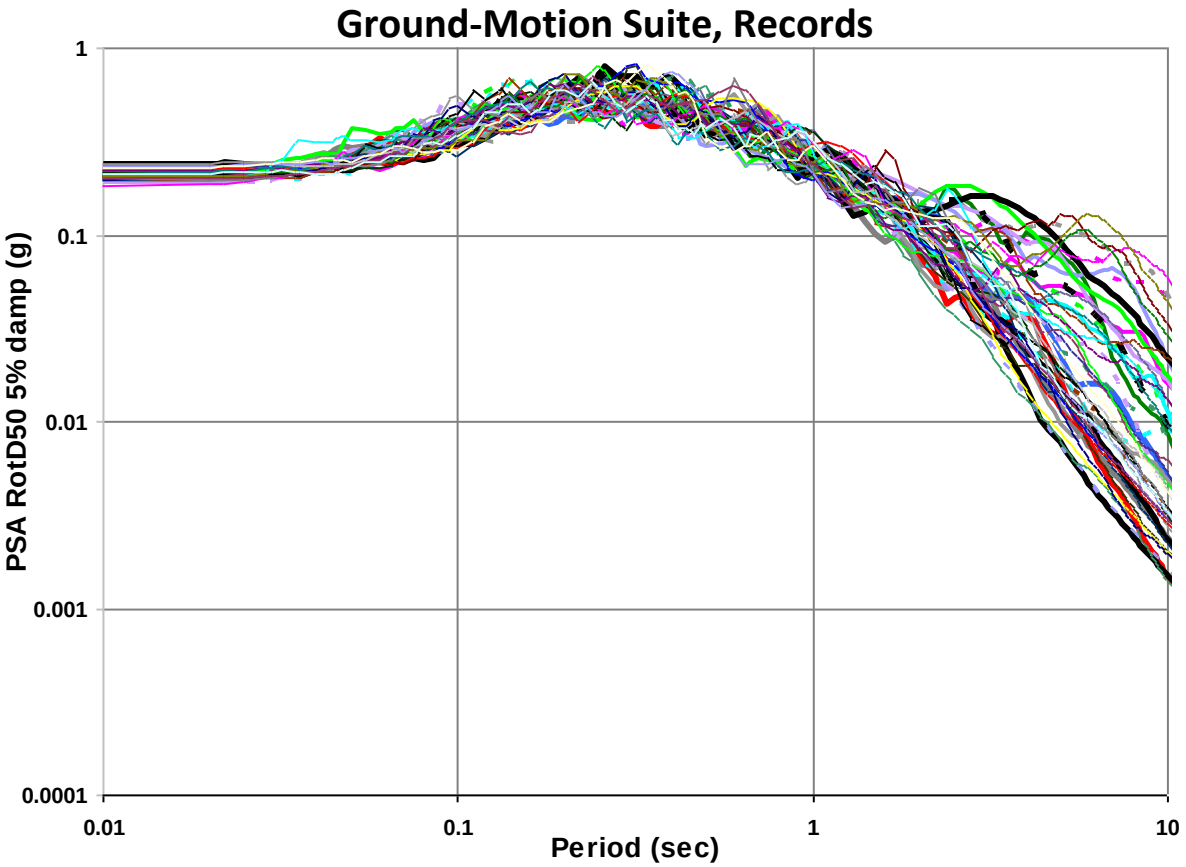
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.12	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.87	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.56	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.92	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.94	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.27	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.4	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.41	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.73	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	2.99	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.75	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.76	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

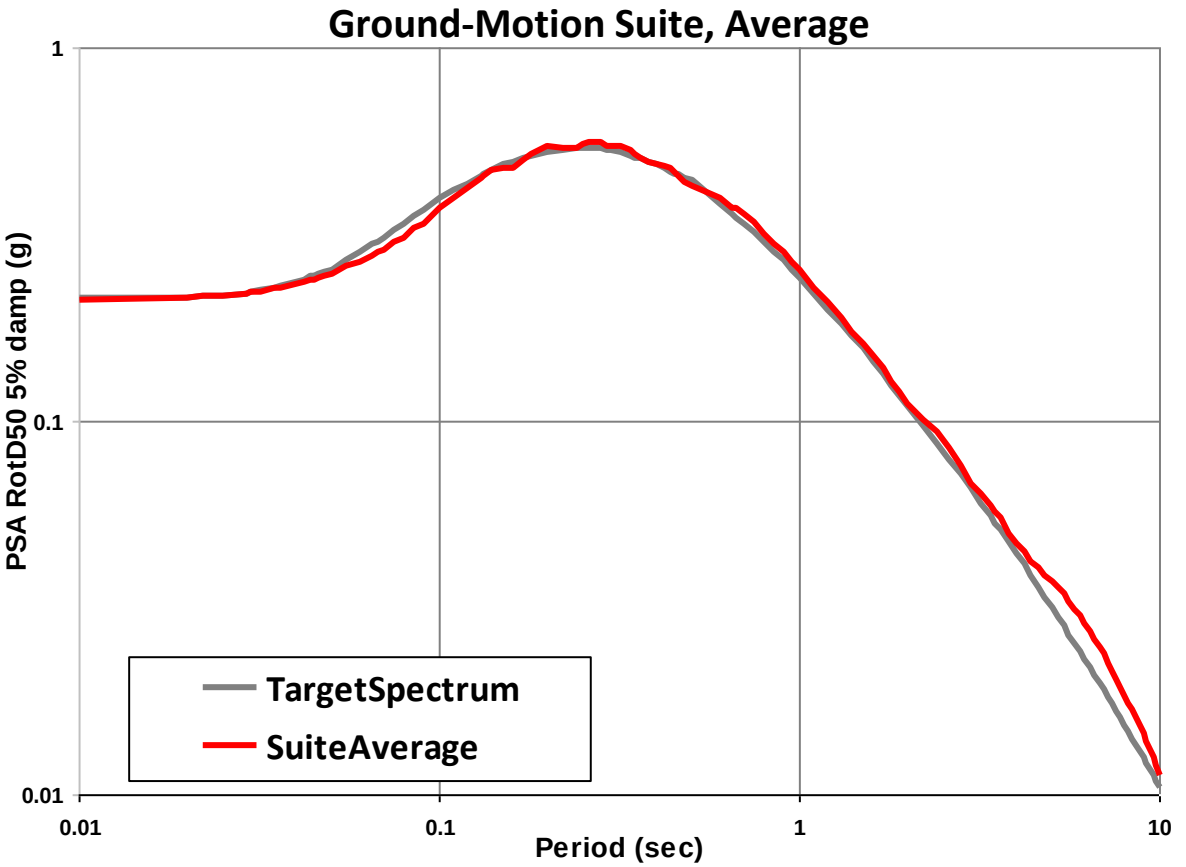
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.88	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.71	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.33	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.28	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.59	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.46	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.42	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.26	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.76	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.25	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.08	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.39	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.71	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.83	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.53	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.17	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.93	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1190	Chi-Chi, Taiwan CHY019 1999	7.62	50	497.53	Reverse O	24.5	3.06	RSN1190_CHICHI_CHY019-N.AT2 RSN1190_CHICHI_CHY019-W.AT2 RSN1190_CHICHI_CHY019-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.68	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.44	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.36	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.76	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.45	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.67	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.97	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.62	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.76	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.87	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.67	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.61	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.54	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.74	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.39	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.63	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.98	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.23	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.71	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

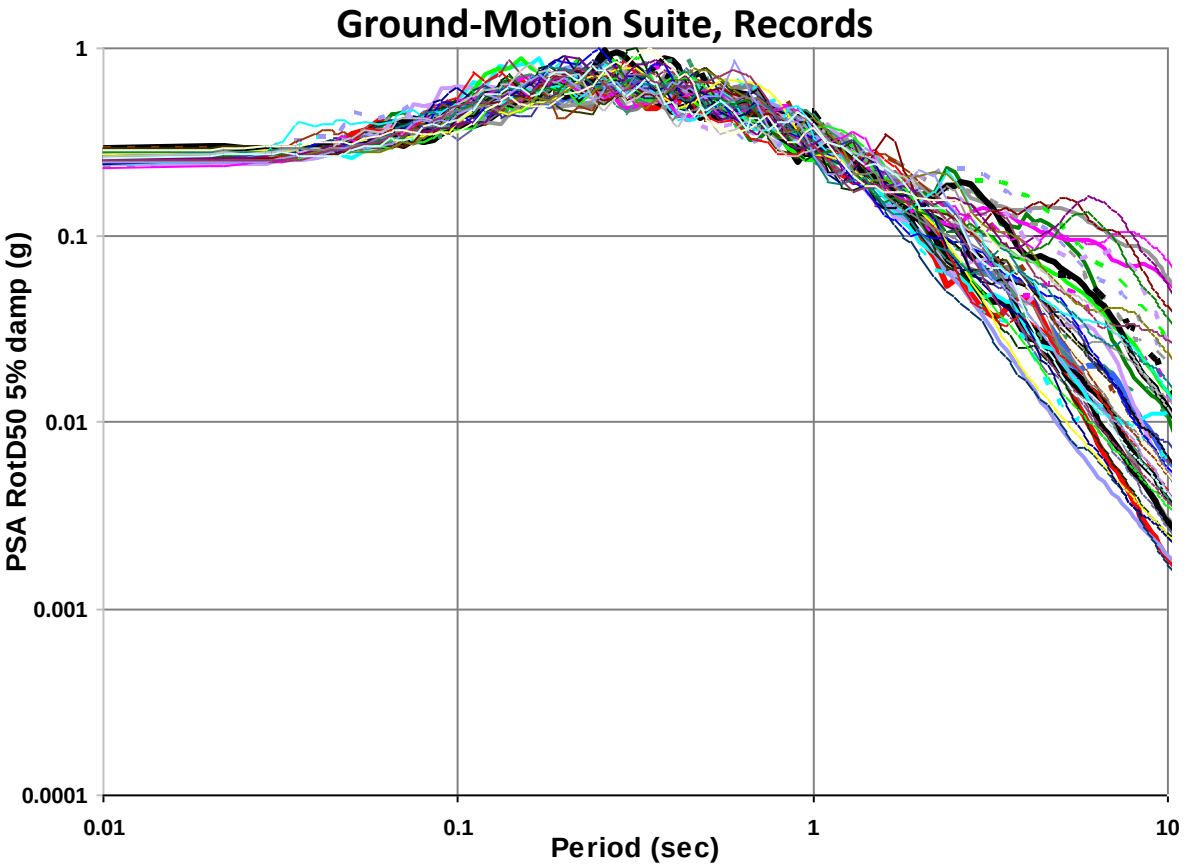
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.32	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1.02	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.08	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.11	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.49	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.47	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.48	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.86	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	3.5	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.88	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.06	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.54	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2

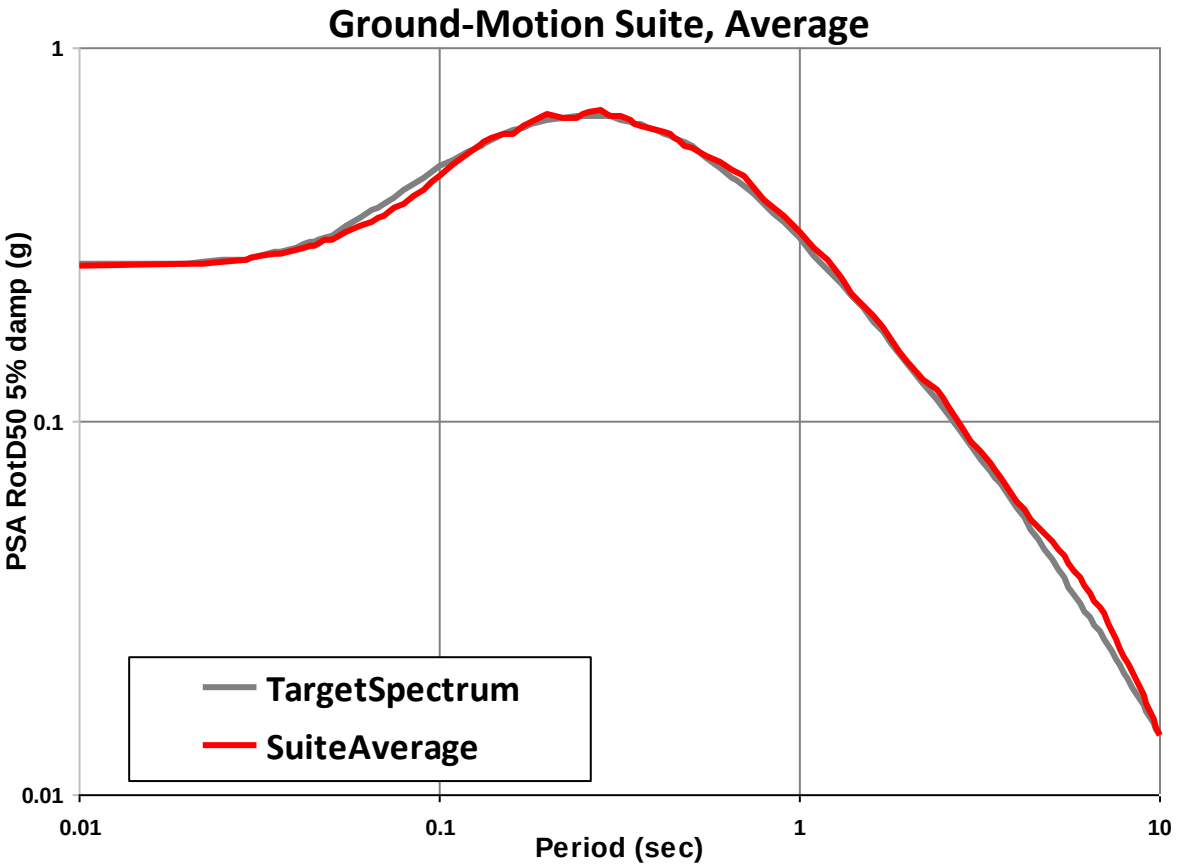
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.04	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.83	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.38	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.5	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	0.58	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.69	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.54	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.5	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.3	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.9	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.29	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.26	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.63	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	2.01	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.97	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.62	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.37	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.09	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1190	Chi-Chi, Taiwan CHY019 1999	7.62	50	497.53	Reverse O	24.5	3.58	RSN1190_CHICHI_CHY019-N.AT2 RSN1190_CHICHI_CHY019-W.AT2 RSN1190_CHICHI_CHY019-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.8	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.51	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.42	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.89	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.78	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.14	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.9	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.89	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.02	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.28	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.79	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.71	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.63	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.87	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.45	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.74	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.15	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.44	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.83	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

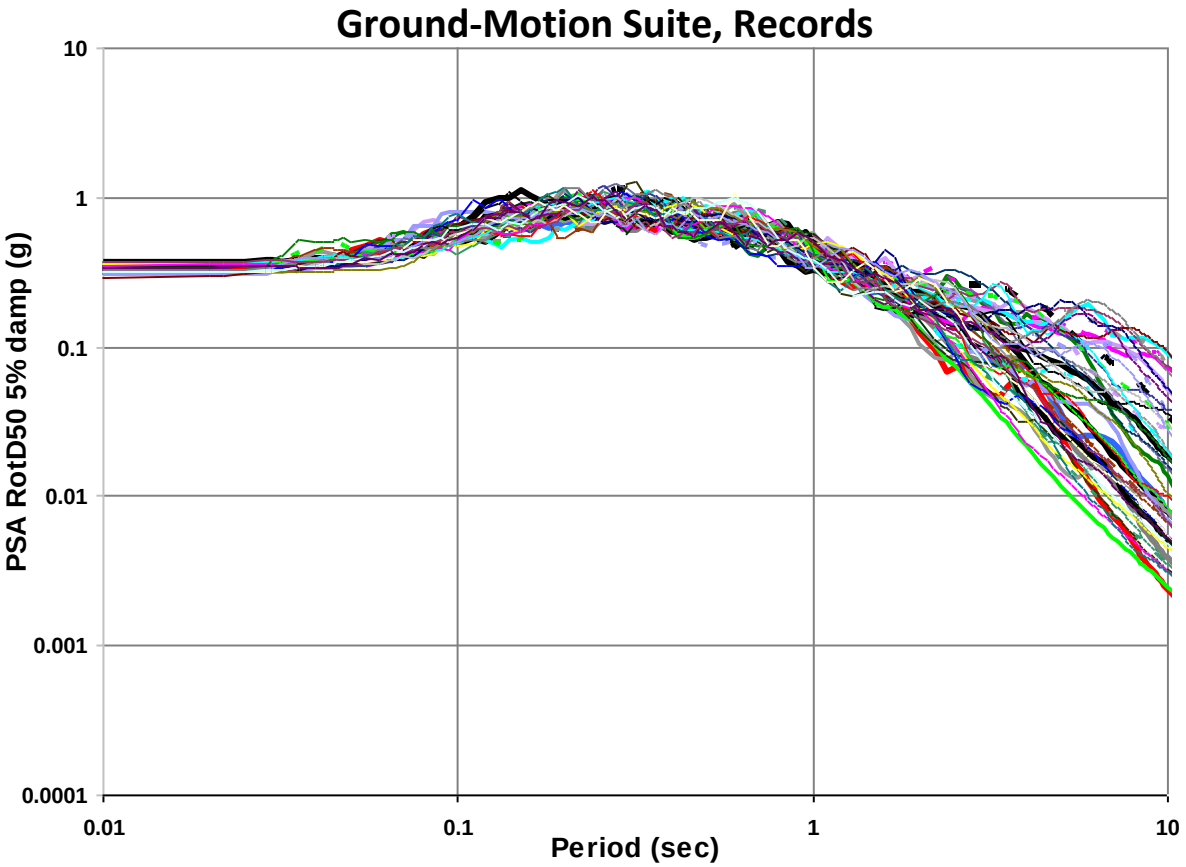
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.63	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.34	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.37	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.84	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.58	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.59	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.07	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.09	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.55	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.91	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.29	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.47	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2

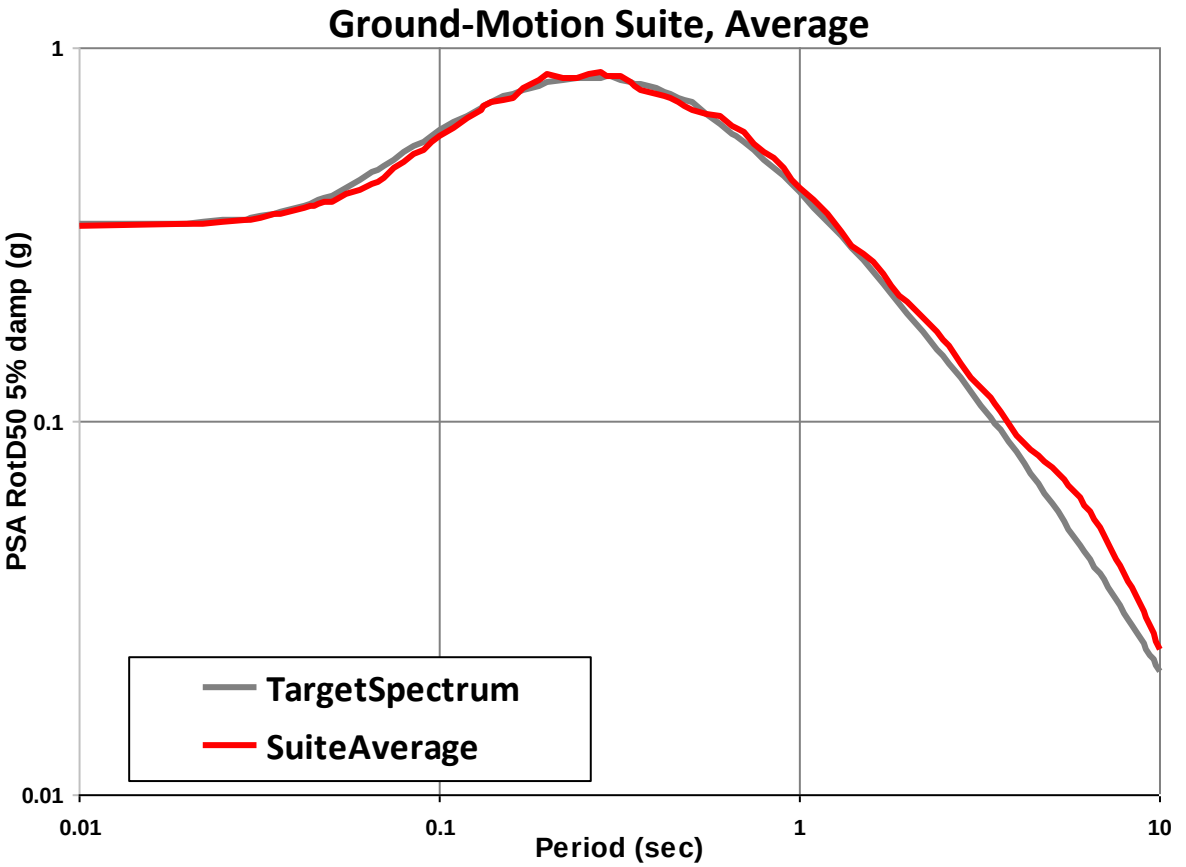
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.85	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	0.72	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.86	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.67	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.61	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.37	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.11	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.56	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.01	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.21	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.77	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.42	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.69	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.35	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.99	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.64	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.52	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.1	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.97	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.41	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.35	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	3.13	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.1	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.27	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.35	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	1.94	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.18	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.98	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.88	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.78	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.07	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.56	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.92	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.42	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.79	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.03	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.03	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

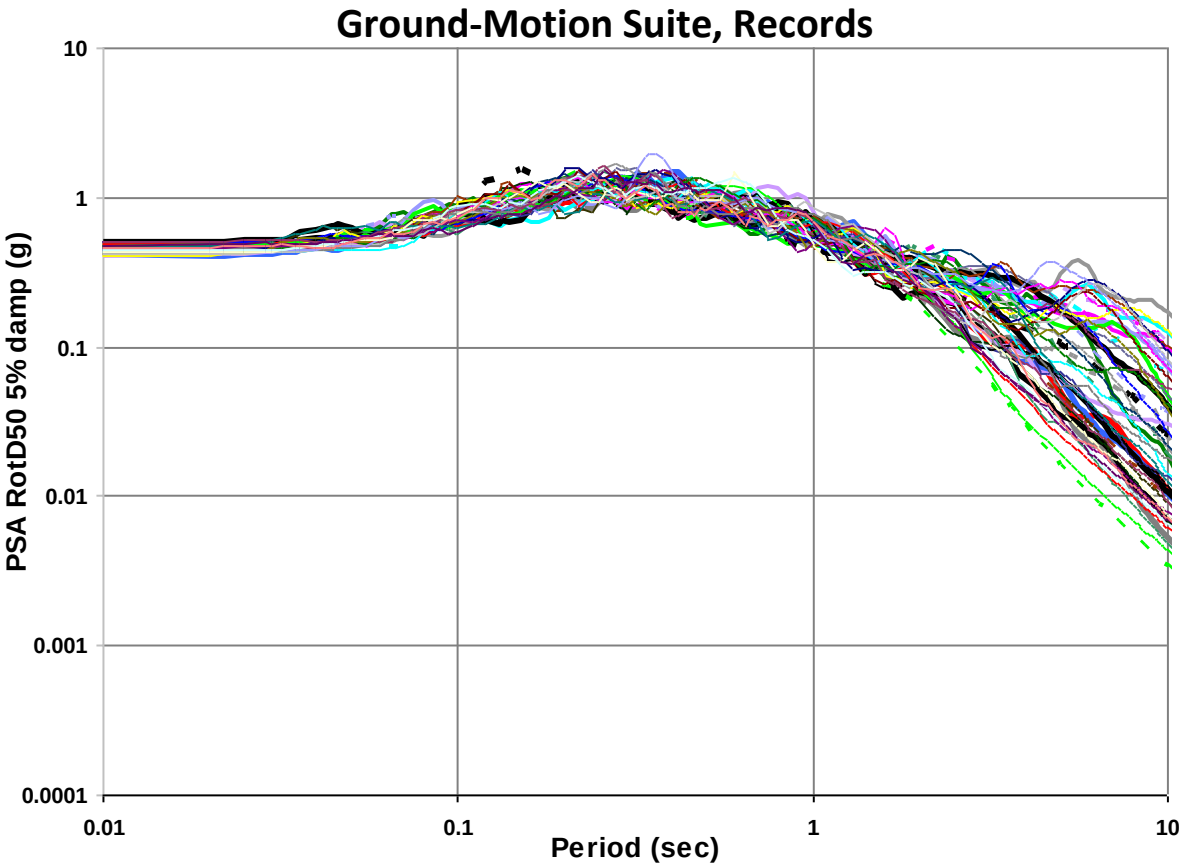
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.37	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	2.1	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	3.12	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.72	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.77	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.37	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.89	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.77	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.37	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.11	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.41	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	3.28	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

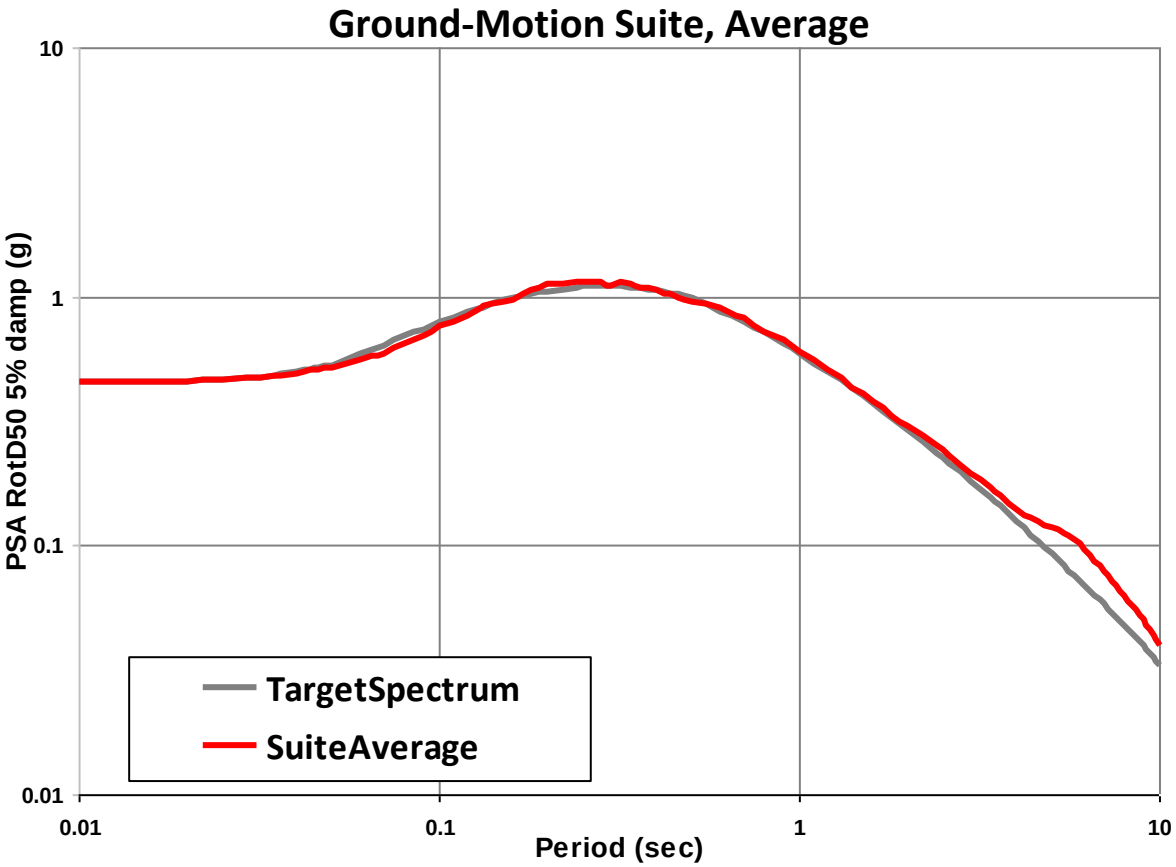
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.45	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.61	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.17	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.1	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.86	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.79	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.43	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.58	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	2.01	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.59	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.99	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.54	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.52	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.18	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.28	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.62	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	1.78	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.67	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.41	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.4	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.24	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.82	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	3.03	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.63	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.45	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.52	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
4716	Wenchuan, China Deyangbaima 2008	7.9	30	418.21	Reverse O	36.9	2.55	RSN4716_WENCHUAN_UA0777.AT2 RSN4716_WENCHUAN_UA0775.AT2 RSN4716_WENCHUAN_UA0776.AT2
4757	Wenchuan, China Dayiyinping 2008	7.9	29	378.93	Reverse O	53.2	2.35	RSN4757_WENCHUAN_UA0921.AT2 RSN4757_WENCHUAN_UA0920.AT2 RSN4757_WENCHUAN_UA0919.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	1.26	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.14	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2.86	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.38	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.72	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.18	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.83	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	2.3	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.33	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.33	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

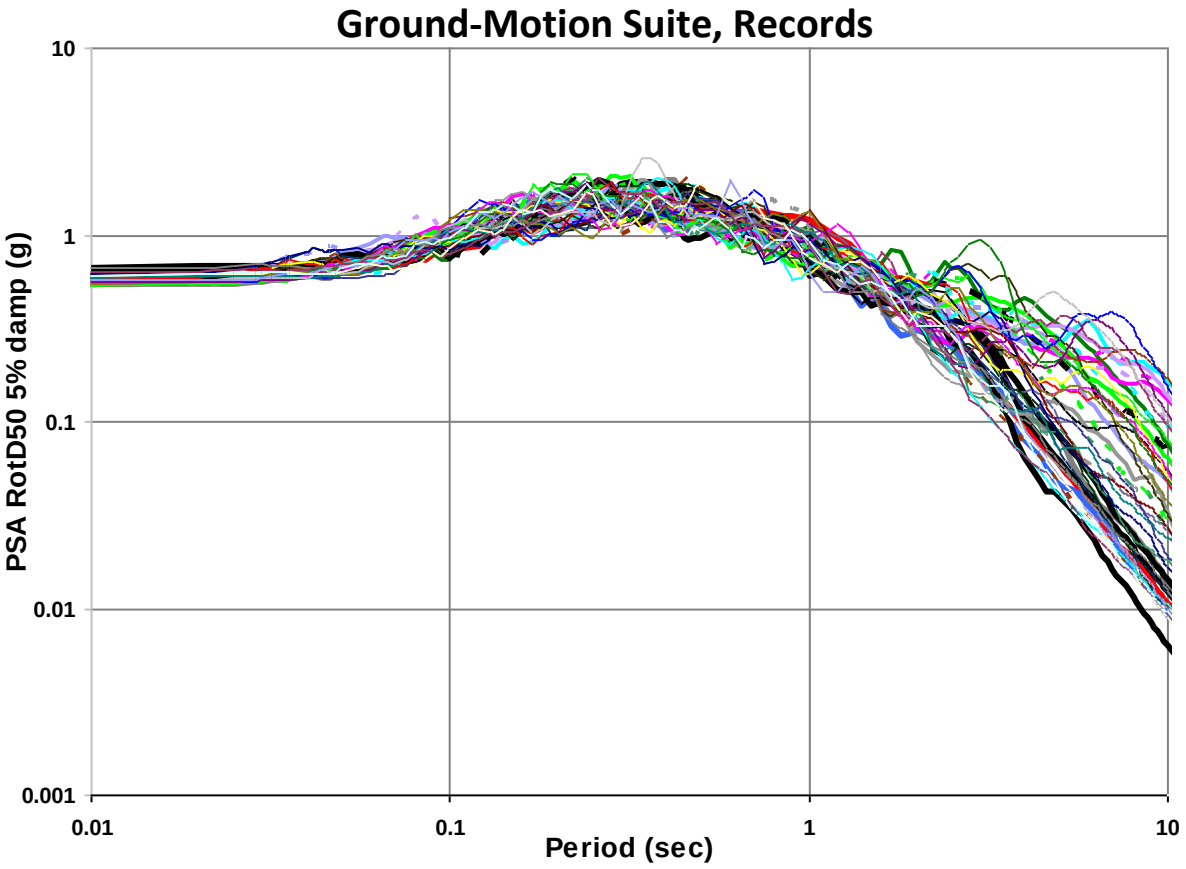
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.87	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	2.87	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.35	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	3.25	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.22	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	1.05	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.88	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.52	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.92	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	3.36	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.83	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.61	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2

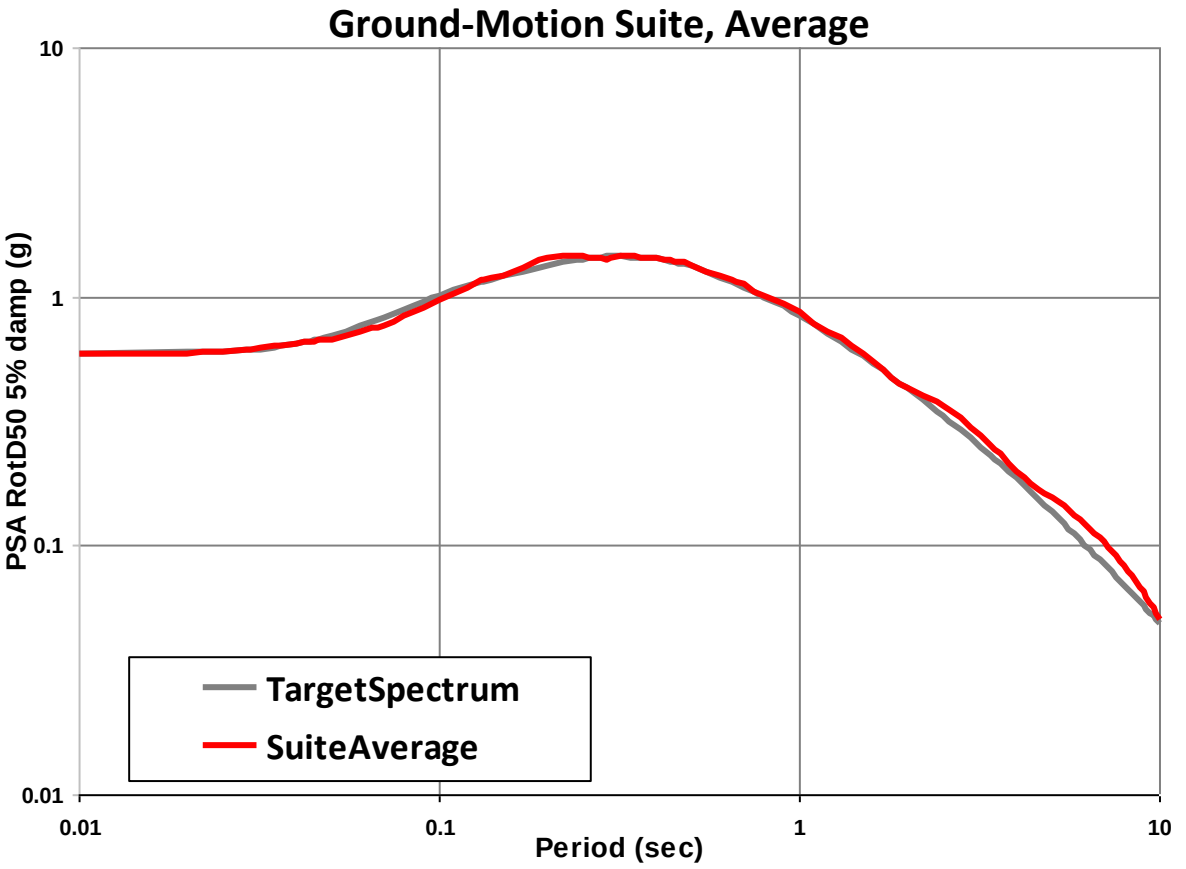
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.29	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	2.89	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.51	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.18	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	1.08	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.94	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.95	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	3.53	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	3.55	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.36	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.74	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.71	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.98	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
1208	Chi-Chi, Taiwan CHY046 1999	7.62	24	442.15	Reverse O	19.1	2.63	RSN1208_CHICHI_CHY046-E.AT2 RSN1208_CHICHI_CHY046-N.AT2 RSN1208_CHICHI_CHY046-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.75	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.22	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.44	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	1.95	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	3.12	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	0.95	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.93	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.92	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.7	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.49	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.23	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.08	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
4716	Wenchuan, China Deyangbaima 2008	7.9	30	418.21	Reverse O	36.9	3.49	RSN4716_WENCHUAN_UA0777.AT2 RSN4716_WENCHUAN_UA0775.AT2 RSN4716_WENCHUAN_UA0776.AT2
4757	Wenchuan, China Dayiyinping 2008	7.9	29	378.93	Reverse O	53.2	3.22	RSN4757_WENCHUAN_UA0921.AT2 RSN4757_WENCHUAN_UA0920.AT2 RSN4757_WENCHUAN_UA0919.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.55	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.37	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	3.91	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.89	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.61	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	2.5	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.82	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.82	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	0.96	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.28	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.61	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**

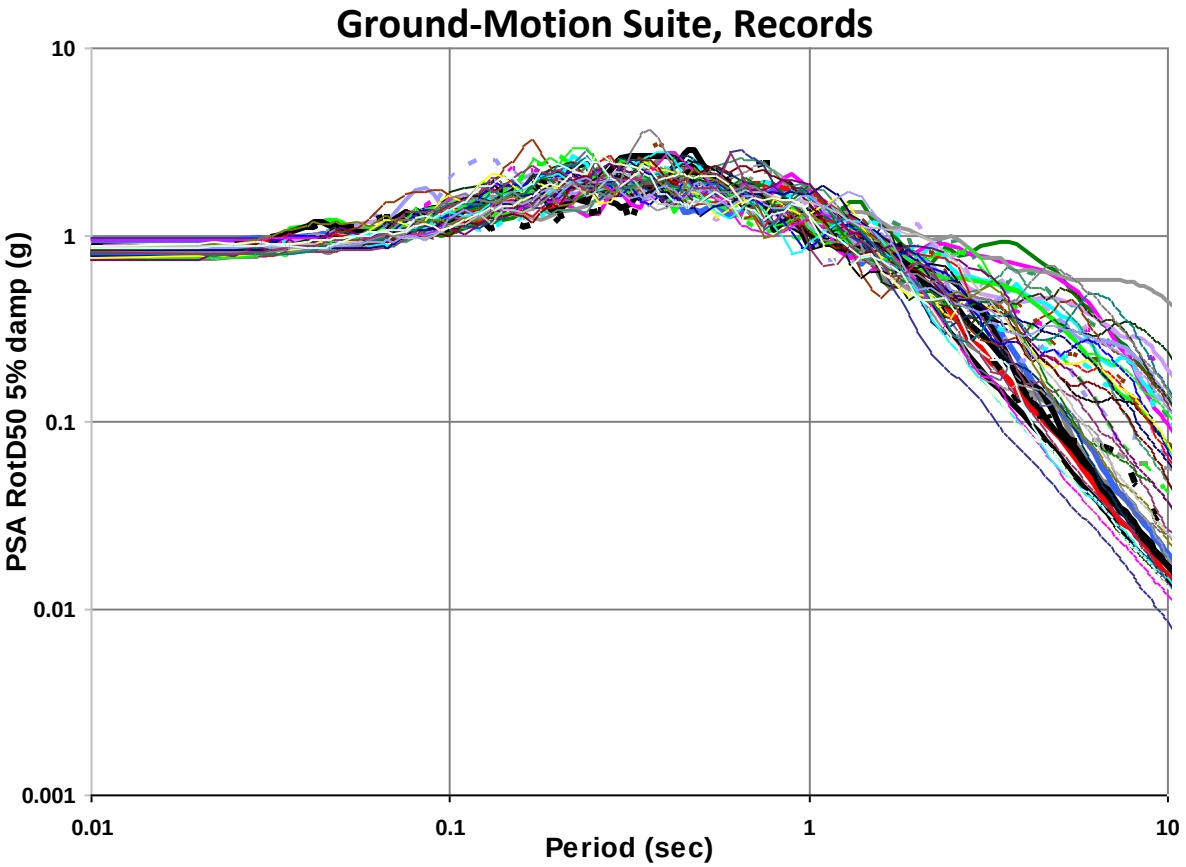
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.48	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	3.81	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.12	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.62	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.49	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.02	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	2.55	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	3.01	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.13	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	2.59	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.71	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	2.58	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2

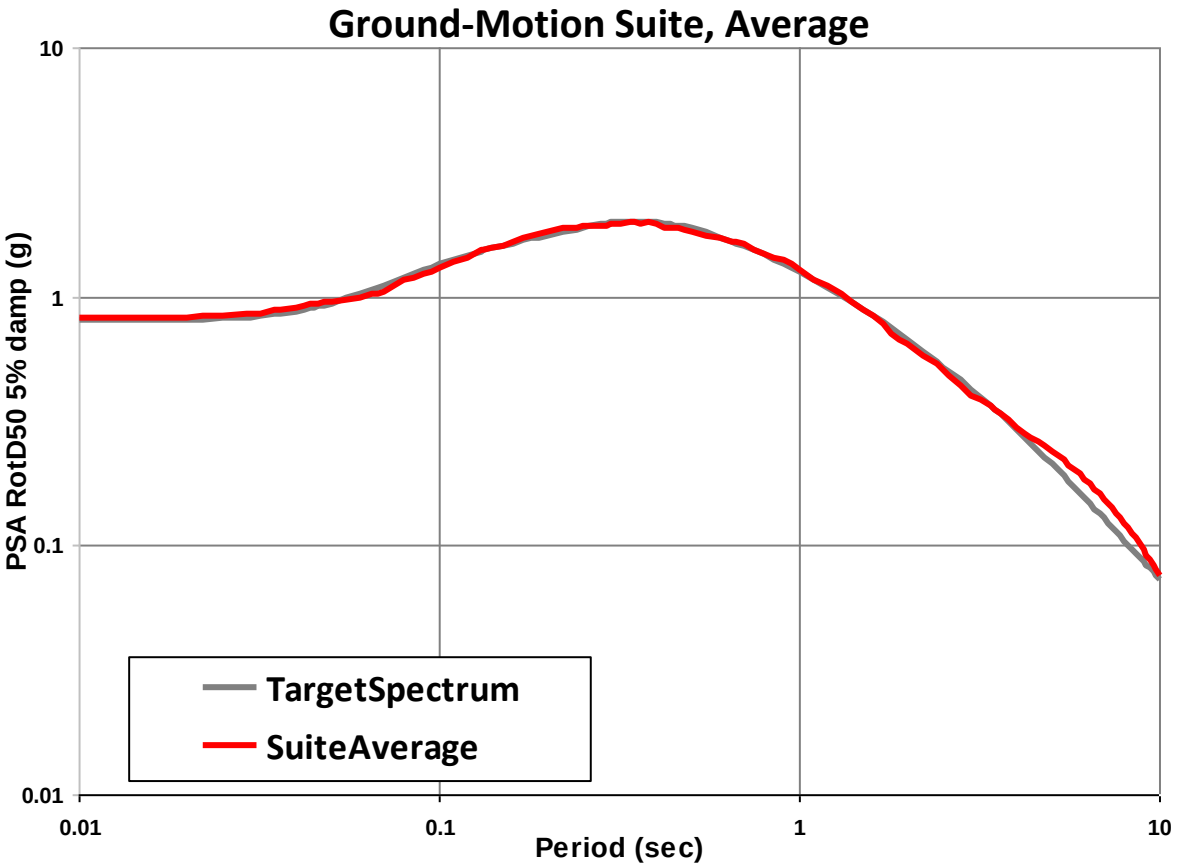
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.92	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	3.82	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	2	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.56	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.24	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	3.39	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.59	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.83	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.8	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.98	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.94	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.94	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	2.54	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1208	Chi-Chi, Taiwan CHY046 1999	7.62	24	442.15	Reverse O	19.1	3.48	RSN1208_CHICHI_CHY046-E.AT2 RSN1208_CHICHI_CHY046-N.AT2 RSN1208_CHICHI_CHY046-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	2.32	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.94	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	3.23	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	2.58	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.26	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2.56	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	2.55	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
3751	Cape Mendocino South Bay Union School 1992	7.01	33	459.04	Reverse	7.8	3.4	RSN3751_CAPEMEND_SBH270.AT2 RSN3751_CAPEMEND_SBH360.AT2 RSN3751_CAPEMEND_SBH-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.96	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.75	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.06	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.64	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	3.22	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.5	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.14	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.41	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.25	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	2.64	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
6969	Darfield, New Zealand Styx Mill Transfer Station 2010	7	21	247.5	strike slip	12.2	3.24	RSN6969_DARFIELD_SMTCN88W.AT2 RSN6969_DARFIELD_SMTCS02W.AT2 RSN6969_DARFIELD_SMTCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.27	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	3.46	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.69	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.14	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**06 LongBeach**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	06 LongBeach
Site Vs30 (m/s)	270
Return Period (yr)	2500

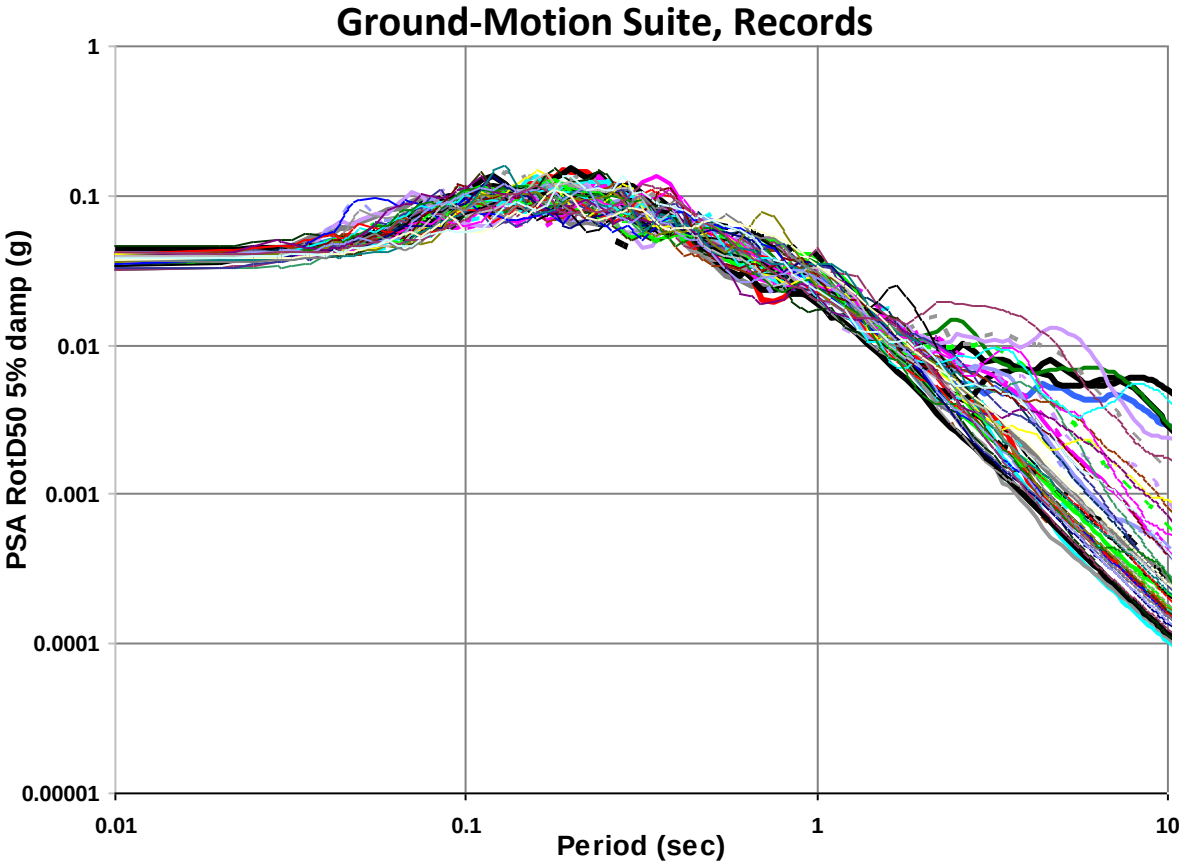
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	3.44	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	2.84	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.25	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.8	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.96	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	3.6	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
764	Loma Prieta Gilroy - Historic Bldg. 1989	6.93	10	308.55	Reverse O	3.6	3.37	RSN764_LOMAP_GOF160.AT2 RSN764_LOMAP_GOF250.AT2 RSN764_LOMAP_GOF-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.38	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	3.11	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	3.58	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	1.96	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2
900	Landers Yermo Fire Station 1992	7.28	24	353.63	strike slip	8.8	3.85	RSN900_LANDERS_YER270.AT2 RSN900_LANDERS_YER360.AT2 RSN900_LANDERS_YER-UP.AT2

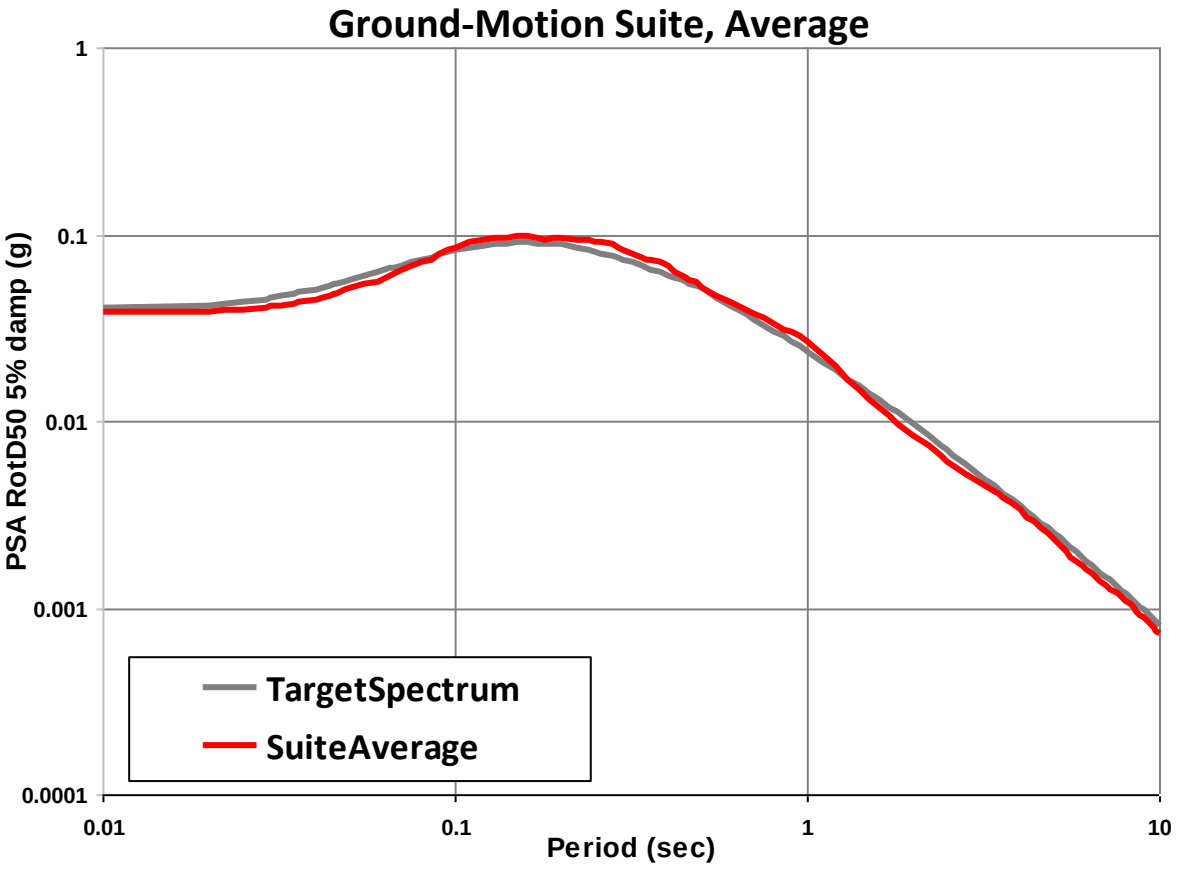
Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	2.17	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.72	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	3.6	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.15	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.36	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.3	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.31	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	2.57	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1176	Kocaeli, Turkey Yarimca 1999	7.51	1	297	strike slip	6.5	3.01	RSN1176_KOCAELI_YPT060.AT2 RSN1176_KOCAELI_YPT150.AT2 RSN1176_KOCAELI_YPT-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	3.53	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	2.28	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	3.22	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	3.59	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1504	Chi-Chi, Taiwan TCU067 1999	7.62	1	433.63	Reverse O	9.1	2.02	RSN1504_CHICHI_TCU067-E.AT2 RSN1504_CHICHI_TCU067-N.AT2 RSN1504_CHICHI_TCU067-V.AT2
1505	Chi-Chi, Taiwan TCU068 1999	7.62	0	487.34	Reverse O	6.1	1.74	RSN1505_CHICHI_TCU068-E.AT2 RSN1505_CHICHI_TCU068-N.AT2 RSN1505_CHICHI_TCU068-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.76	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	3.56	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1545	Chi-Chi, Taiwan TCU120 1999	7.62	7	459.34	Reverse O	20.7	3.64	RSN1545_CHICHI_TCU120-E.AT2 RSN1545_CHICHI_TCU120-N.AT2 RSN1545_CHICHI_TCU120-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	3.54	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	3.82	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4853	Chuetsu-oki Joetsu City 2007	6.8	26	294.71	Reverse	14.7	3.19	RSN4853_CHUETSU_65019NS.AT2 RSN4853_CHUETSU_65019EW.AT2 RSN4853_CHUETSU_65019UD.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.86	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	2.51	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.89	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5814	Iwate Furukawa Osaki City 2008	6.9	31	248.19	Reverse	12.3	3.07	RSN5814_IWATE_44B91NS.AT2 RSN5814_IWATE_44B91EW.AT2 RSN5814_IWATE_44B91UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	3.48	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.97	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
5988	El Mayor-Cucapah Meloland, E Holton Rd. 2010	7.2	30	196	strike slip	20.9	3.33	RSN5988_SIERRA.MEX_DRE360.AT2 RSN5988_SIERRA.MEX_DRE-90.AT2 RSN5988_SIERRA.MEX_DRE-UP.AT2
6877	Joshua Tree, CA Indio - Jackson Road 1992	6.1	25	292.12	strike slip	4.2	3.06	RSN6877_JOSHUA_5294180.AT2 RSN6877_JOSHUA_5294090.AT2 RSN6877_JOSHUA_5294_UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	3.35	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.74	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	3.68	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.76	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	2.17	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.36	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.97	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**

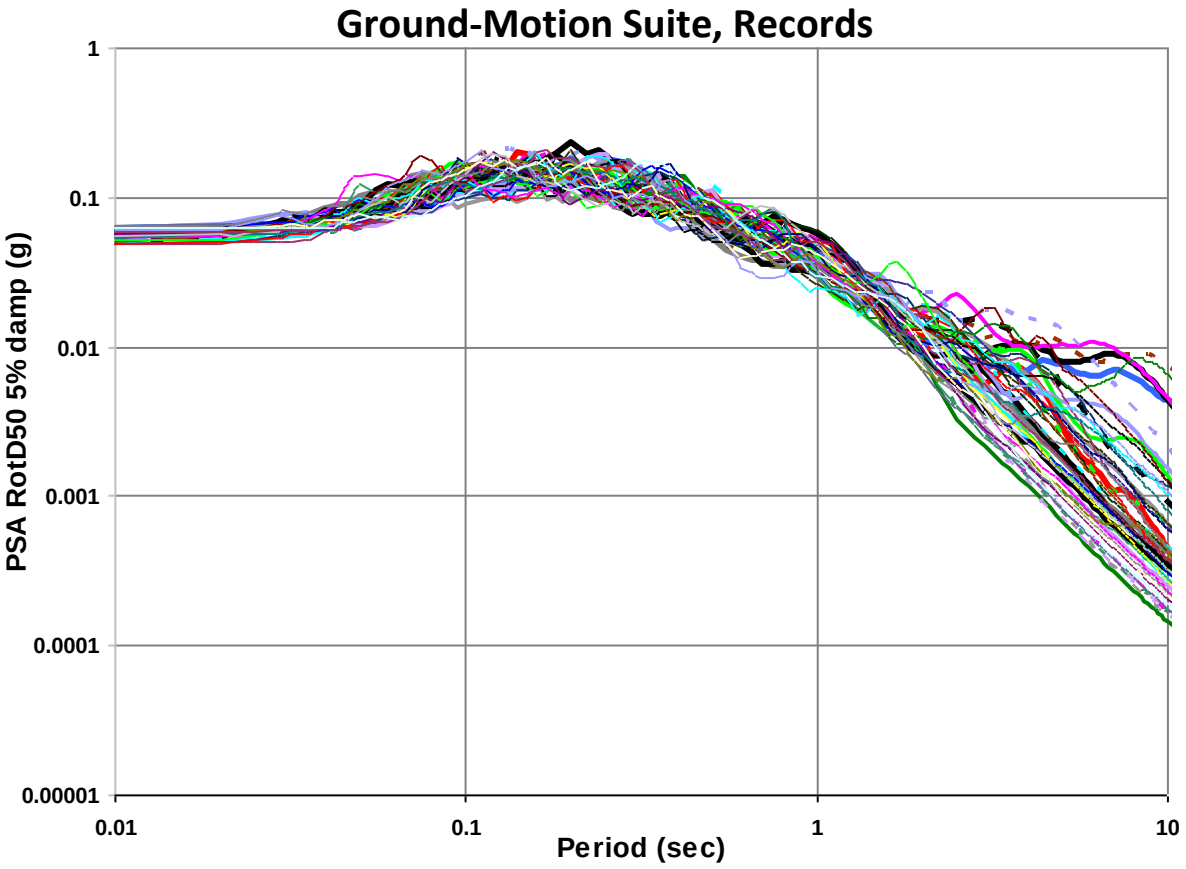
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.25	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	0.9	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
237	Mammoth Lakes-03 Long Valley Dam (Downst) 1980	5.91	10	537.16	strike slip	3.2	0.48	RSN237_MAMMOTH.AH_A-LVD000.A RSN237_MAMMOTH.AH_A-LVD090.A RSN237_MAMMOTH.AH_A-LVD-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.46	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	0.57	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.42	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	0.31	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.34	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.38	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.26	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
675	Whittier Narrows-01 Pasadena - CIT Athenaeum 1987	5.99	4	415.13	Reverse O	3	0.26	RSN675_WHITTIER.A_A-PAS180.AT2 RSN675_WHITTIER.A_A-PAS270.AT2 RSN675_WHITTIER.A_A-PAS-UP.AT2
957	Northridge-01 Burbank - Howard Rd. 1994	6.69	16	581.93	Reverse	5.5	0.27	RSN957_NORTHR_HOW060.AT2 RSN957_NORTHR_HOW330.AT2 RSN957_NORTHR_HOW-UP.AT2

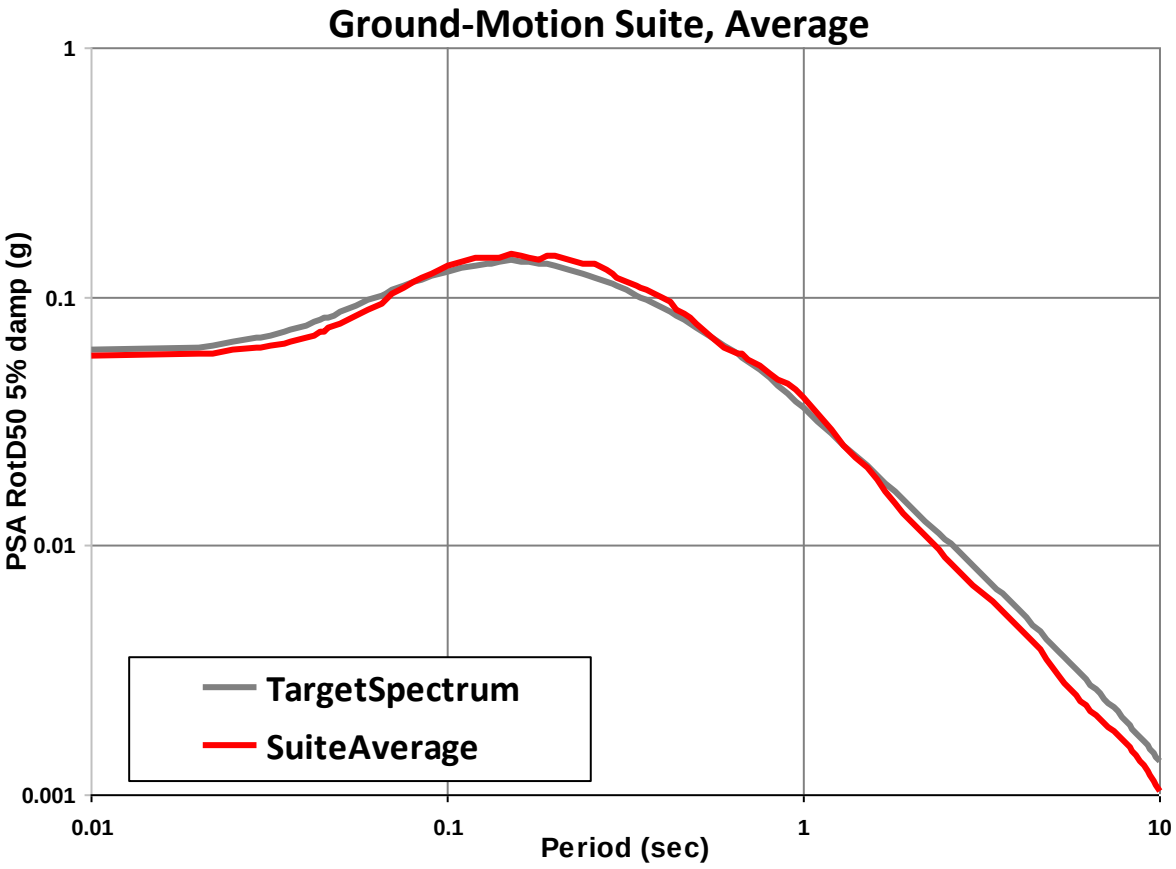
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.25	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	0.43	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.28	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	0.42	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.28	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	0.57	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	0.81	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	0.9	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.25	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
2772	Chi-Chi, Taiwan-04 HWA024 1999	6.2	46	671.52	strike slip	10	2.95	RSN2772_CHICHI.04_HWA024N.AT2 RSN2772_CHICHI.04_HWA024E.AT2 RSN2772_CHICHI.04_HWA024V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.69	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	0.53	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.28	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.25	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3686	Whittier Narrows-02 Baldwin Park - N Holly 1987	5.27	12	544.68	Reverse O	5.6	0.74	RSN3686_WHITTIER.B_B-NHO180.AT RSN3686_WHITTIER.B_B-NHO270.AT RSN3686_WHITTIER.B_B-NHO-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.32	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.27	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.32	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.3	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	0.65	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	0.69	RSN4380_UBMARCHE.P_I-NRC000.A RSN4380_UBMARCHE.P_I-NRC270.A RSN4380_UBMARCHE.P_I-NRC-DN.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.47	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4478	L'Aquila, Italy Lab.Gran Sasso 2009	6.3	11	547	Normal	6.3	1.39	RSN4478_L-AQUILA_GE146XTE.AT2 RSN4478_L-AQUILA_GE146YLN.AT2 RSN4478_L-AQUILA_GE146ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.62	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.39	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	1.38	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.55	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	0.61	RSN4553_L-AQUILA.B_CW119XTE.AT RSN4553_L-AQUILA.B_CW119YLN.AT RSN4553_L-AQUILA.B_CW119ZUP.AT
5239	Chuetsu-oki NGNH29 2007	6.8	44	464.92	Reverse	5.7	0.39	RSN5239_CHUETSU_NGNH29NS.AT2 RSN5239_CHUETSU_NGNH29EW.AT2 RSN5239_CHUETSU_NGNH29UD.AT2
5494	Iwate AKTH18 2008	6.9	47	431	Reverse	8.1	0.3	RSN5494_IWATE_AKTH18NS.AT2 RSN5494_IWATE_AKTH18EW.AT2 RSN5494_IWATE_AKTH18UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	0.7	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.33	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	0.4	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.45	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8709	40204628 Lick Observatory, Mt. Hamiliton, CA, 2007	5.45	13	710.29	strike slip	2.6	0.58	RSN8709_40204628_BKMHCHLN.AT2 RSN8709_40204628_BKMHCHLE.AT2 RSN8709_40204628_BKMHCHLZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.58	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.49	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.35	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

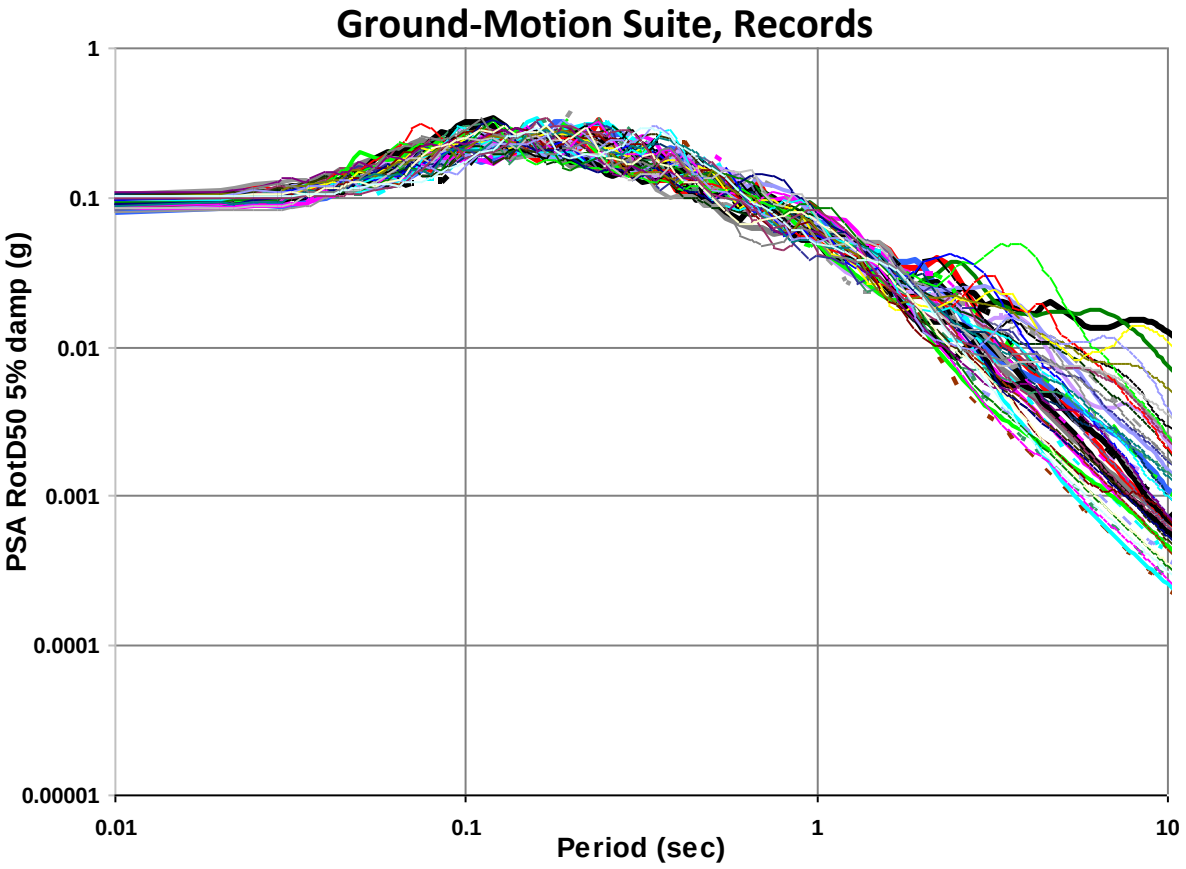
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.38	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.36	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.32	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	1.36	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.31	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.25	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.69	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	0.87	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.64	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	0.48	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	0.27	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.52	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2

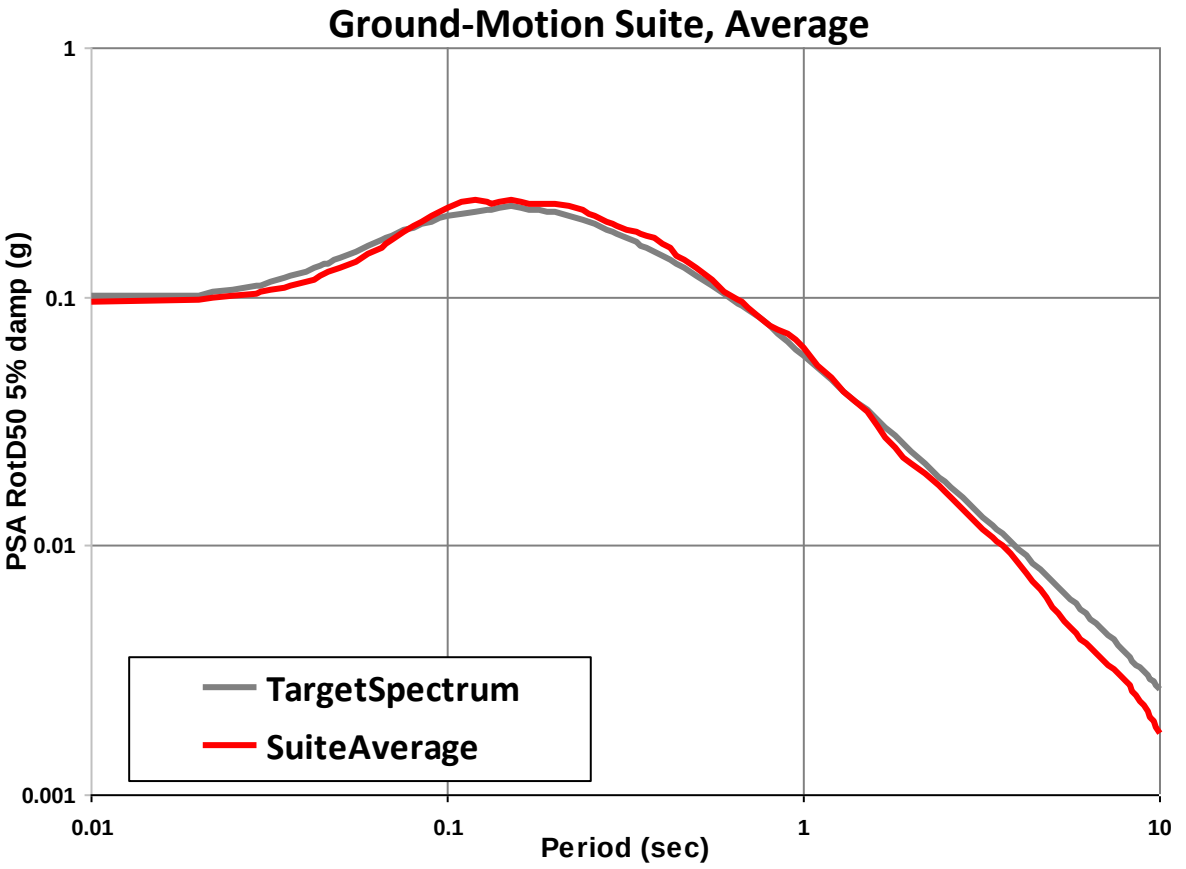
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.58	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.39	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.32	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.29	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	0.65	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.42	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	0.64	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.3	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.43	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	0.86	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	1.22	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.36	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.33	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.38	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.04	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.42	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.38	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.48	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.31	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.4	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.36	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.48	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.46	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.3	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.71	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.93	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.59	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	2.08	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.84	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	0.92	RSN4553_L-AQUILA.B_CW119XTE.AT RSN4553_L-AQUILA.B_CW119YLN.AT RSN4553_L-AQUILA.B_CW119ZUP.AT
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.28	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.29	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	1.06	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.34	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.5	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.68	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.88	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.74	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

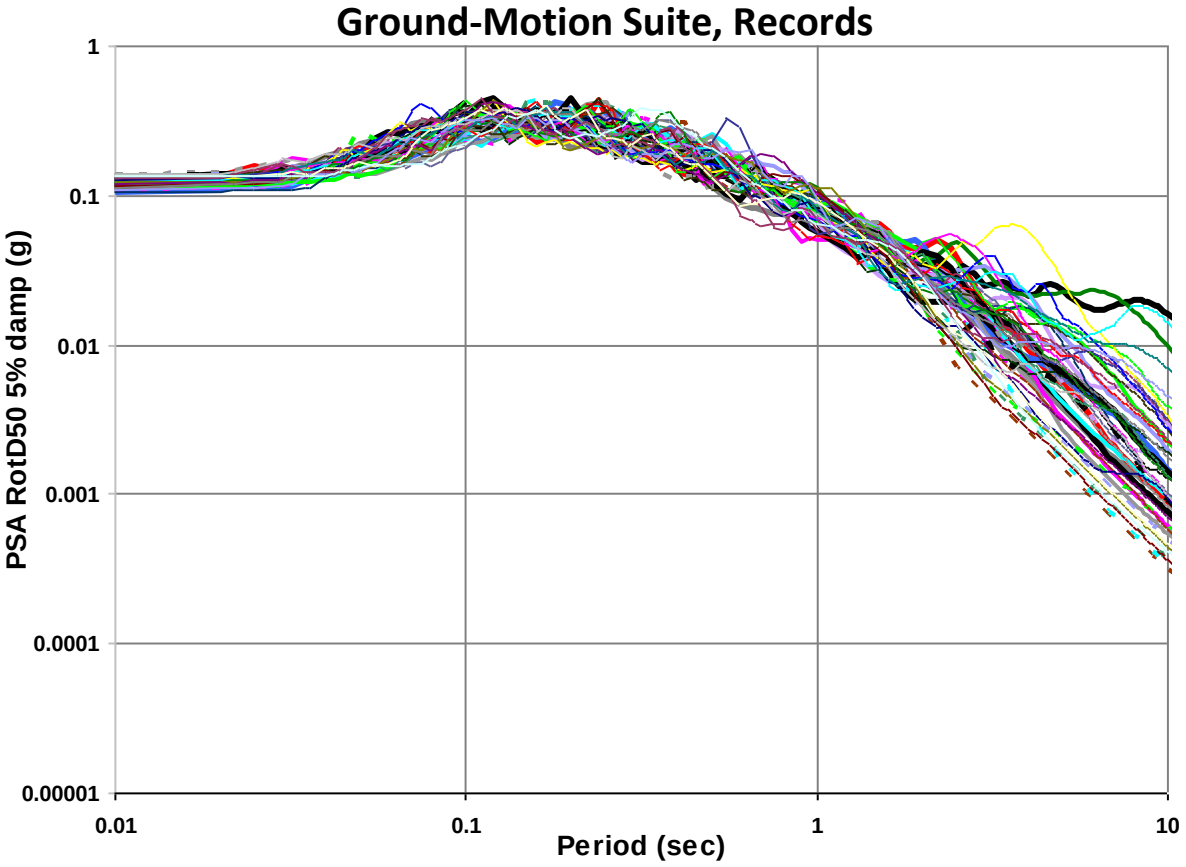
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.62	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.59	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.53	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	2.25	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.51	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.41	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.06	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.34	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.28	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.86	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.96	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.65	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

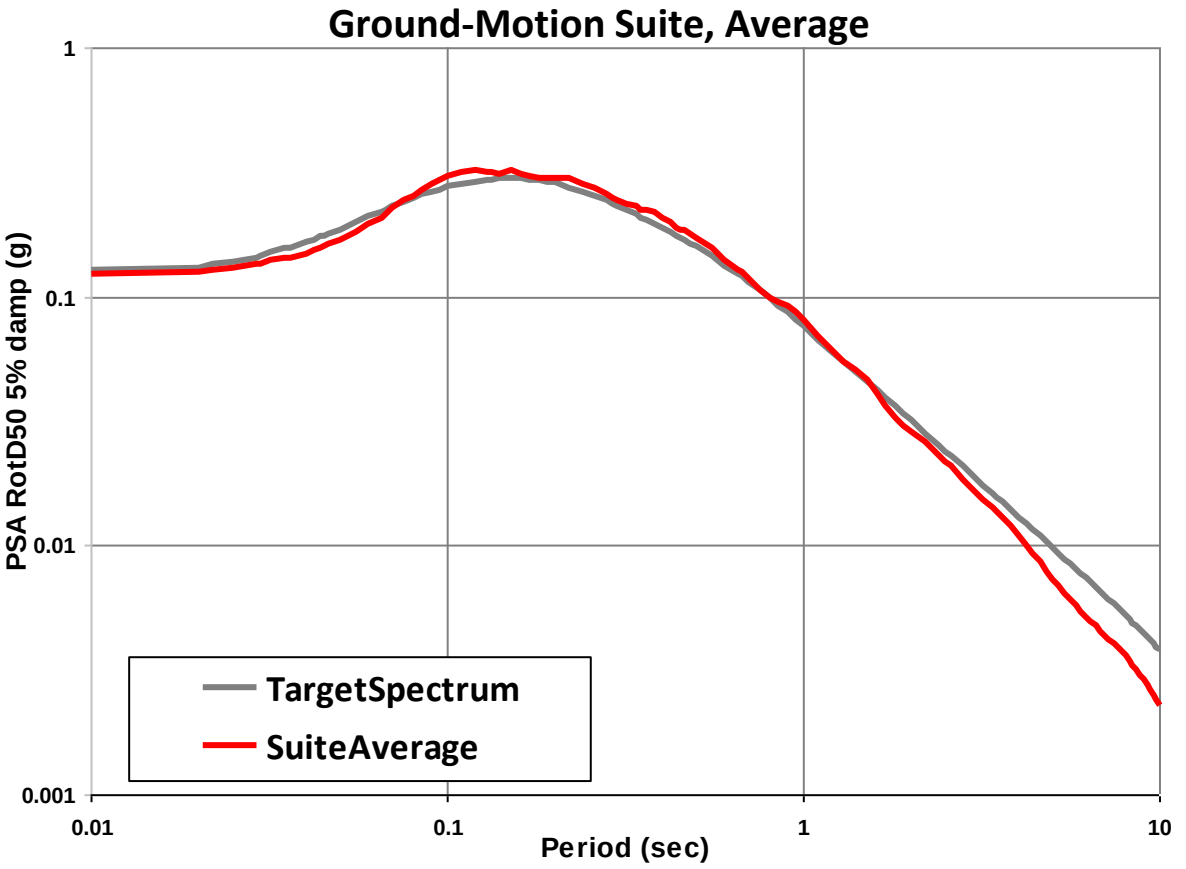
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.52	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.26	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.3	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.26	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	1.06	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.5	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1.42	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	2.03	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	2.25	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.55	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.31	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.72	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.69	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.79	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.67	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.59	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.35	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.8	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.76	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.27	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.25	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.17	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	3.45	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.39	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.26	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.47	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.36	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.47	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.37	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.38	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	1.75	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.33	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.83	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	0.27	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	1.13	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.45	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	1.22	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

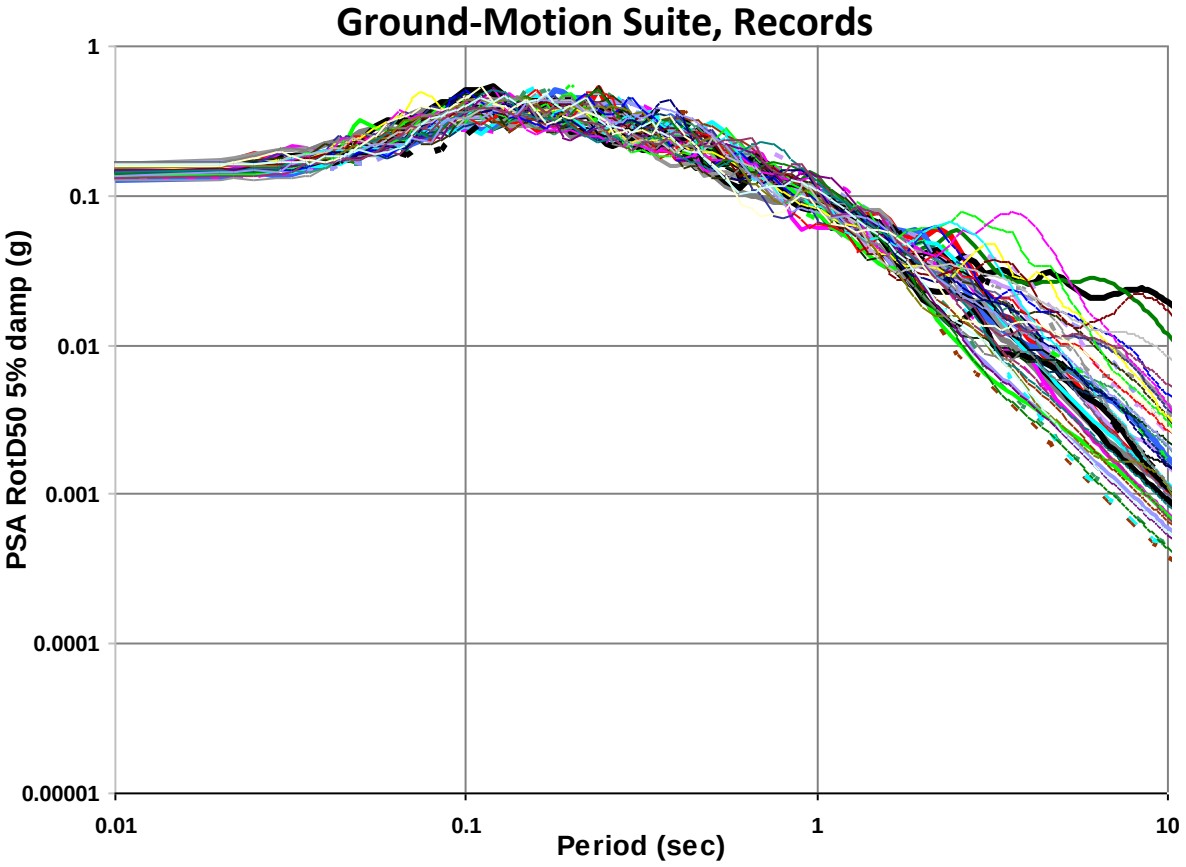
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.82	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.77	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.69	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	2.94	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.27	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.67	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.53	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.38	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.45	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.37	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.12	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.26	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

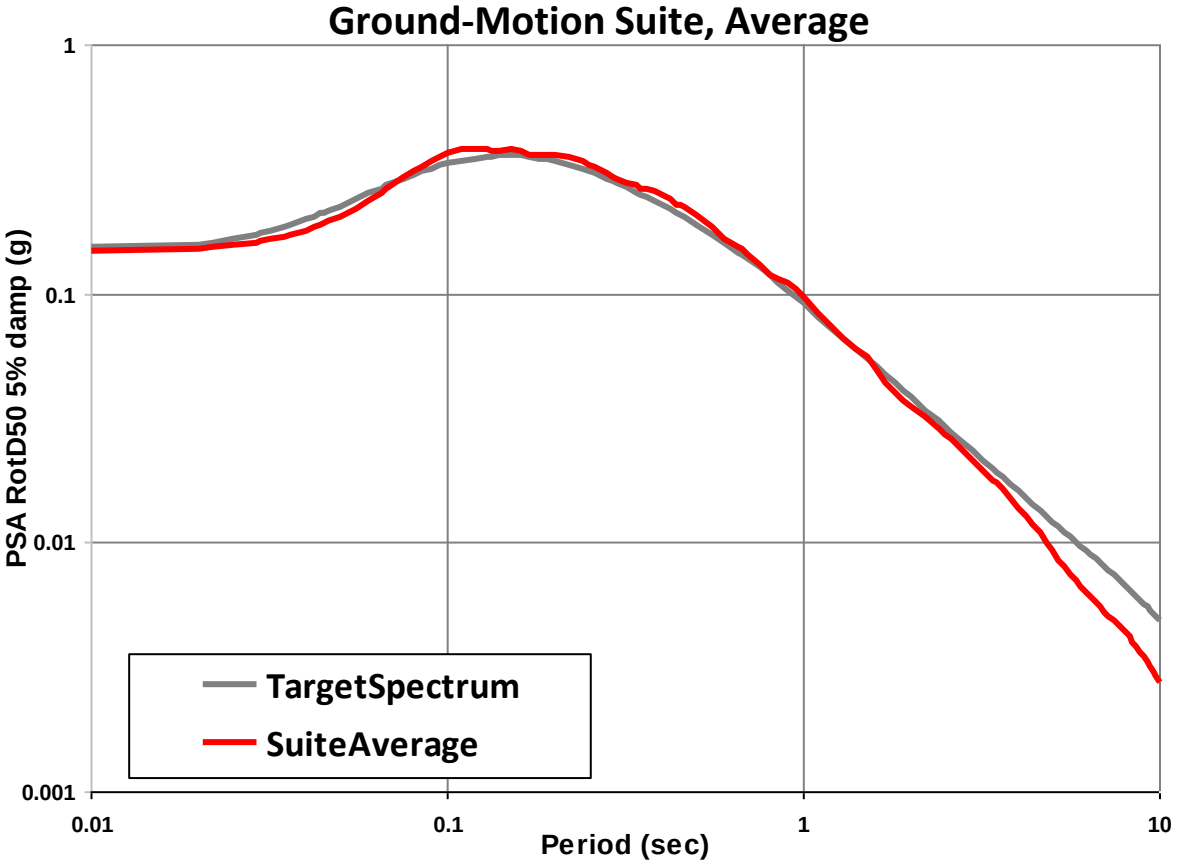
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.85	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.68	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.34	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.39	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.34	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	1.39	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.65	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1.85	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	2.65	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	2.93	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.72	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.24	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.9	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.04	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.26	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.87	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.77	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.45	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.05	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.99	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.35	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.32	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.53	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.81	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.34	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.29	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.3	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.61	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.47	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.62	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.48	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.49	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	2.29	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.44	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.08	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.9	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	1.6	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

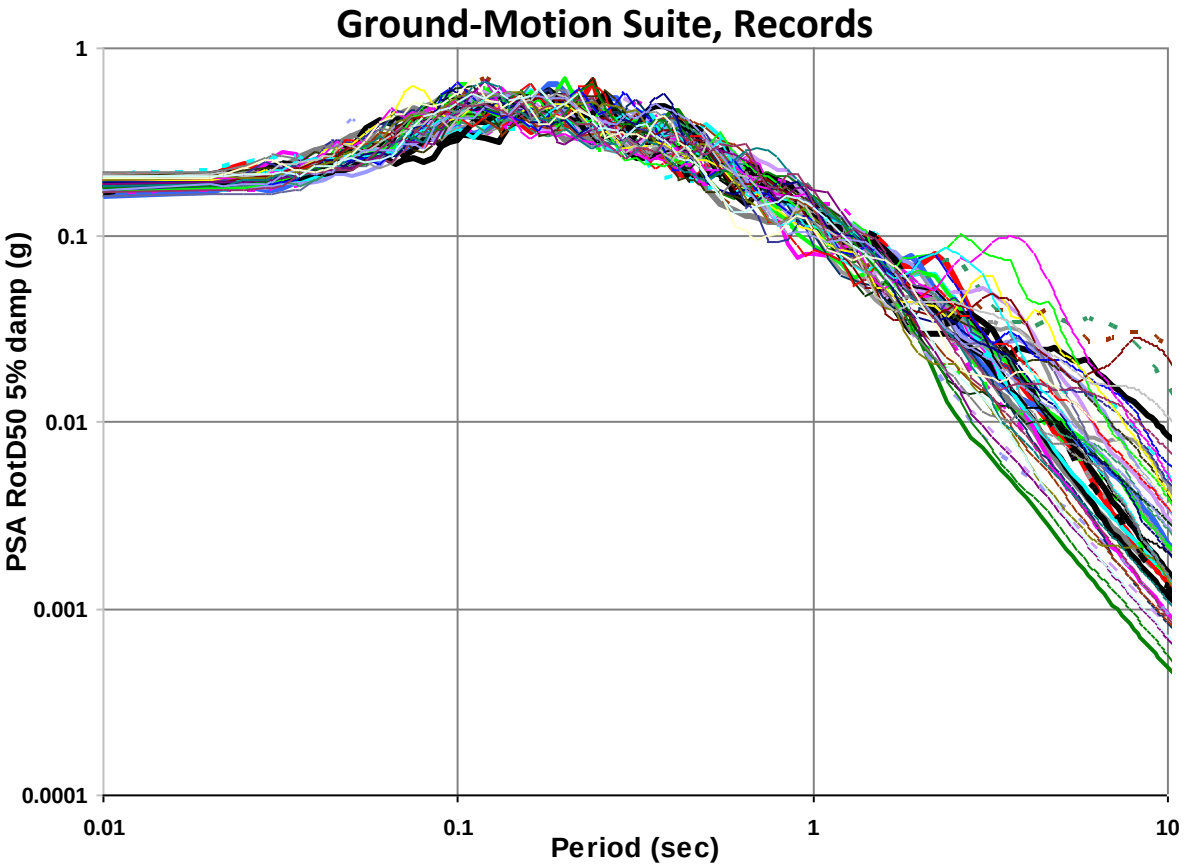
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.98	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.93	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.83	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	3.52	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.33	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.8	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.64	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.66	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.53	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.44	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.34	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.51	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

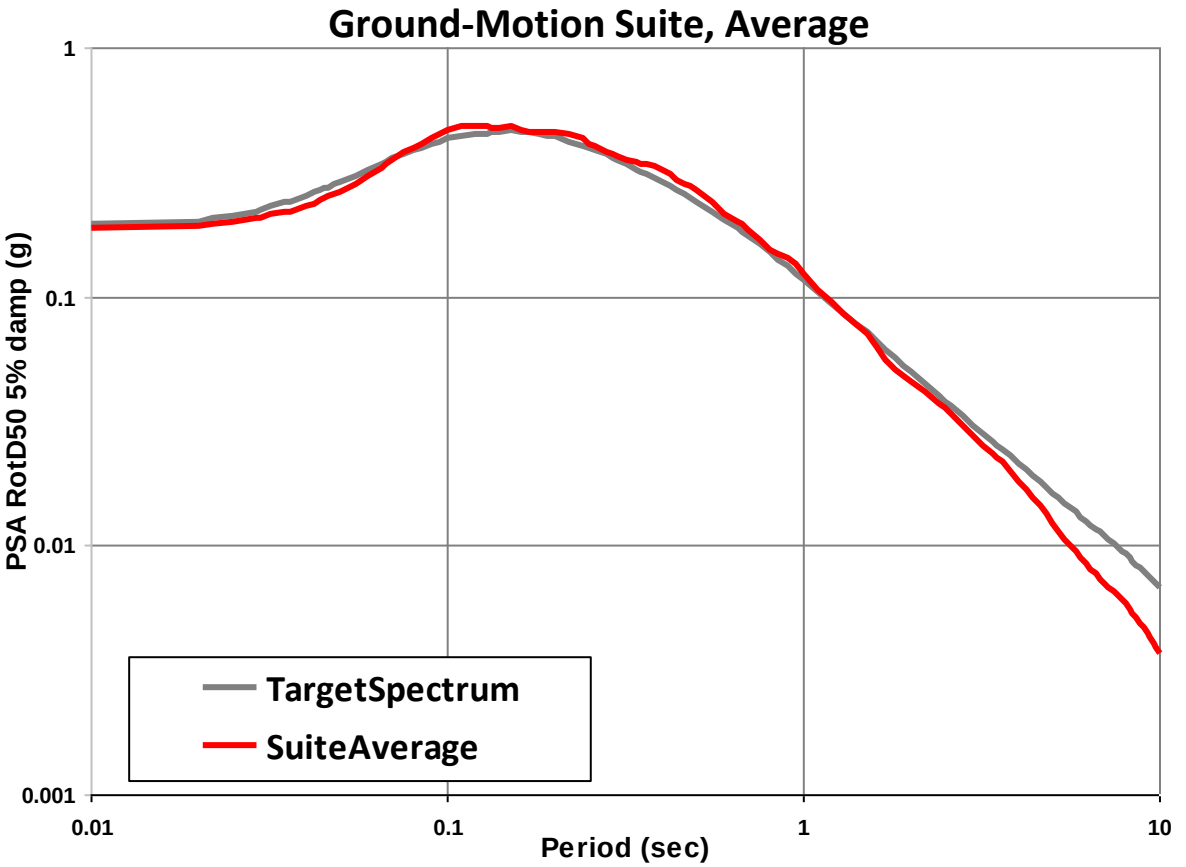
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.02	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.82	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.4	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.47	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.4	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	1.66	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.78	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	2.22	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	3.17	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.86	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.69	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.08	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.24	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.31	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.04	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.93	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.54	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.26	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.19	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.42	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.27	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.39	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.83	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.26	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.17	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.4	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.35	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.74	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.28	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.56	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.74	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.58	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.59	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	2.74	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.52	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.29	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.27	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

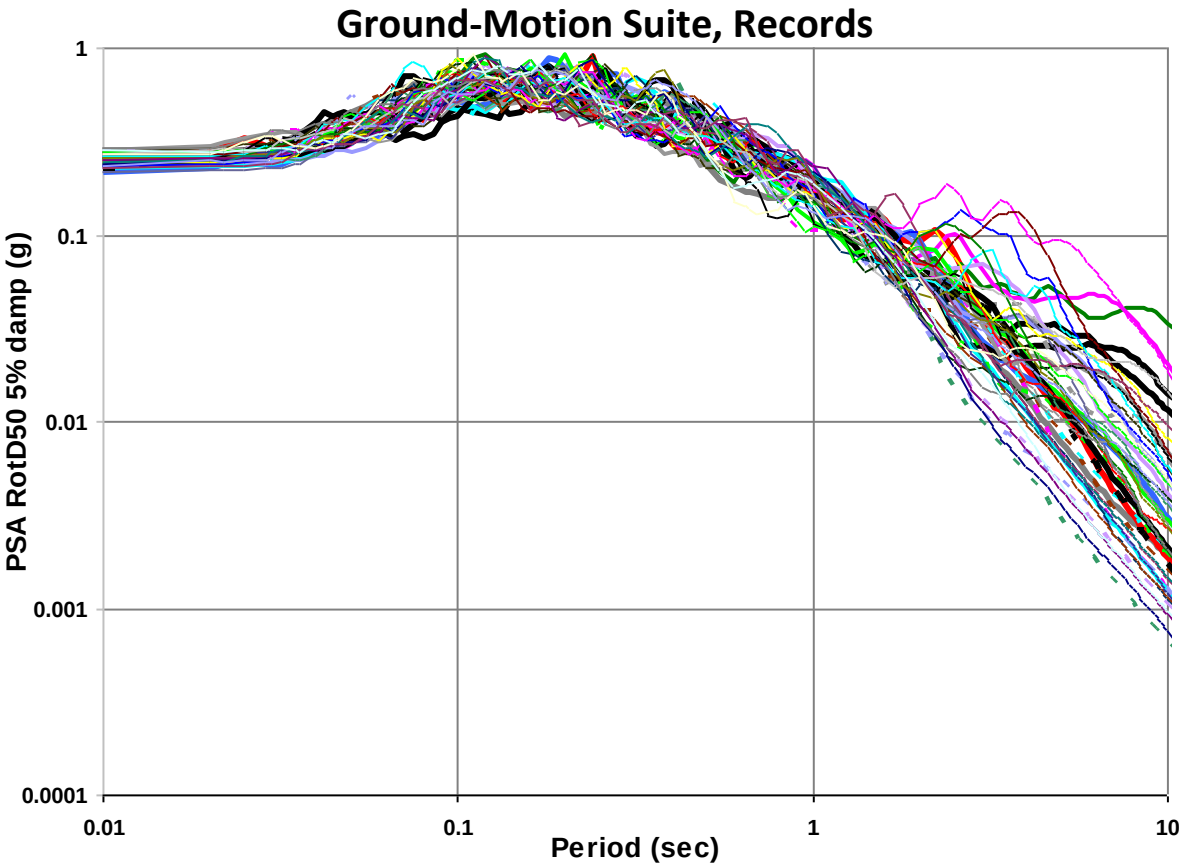
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.25	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.19	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.06	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.42	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.02	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.82	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.13	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.69	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.57	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.72	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.93	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.31	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

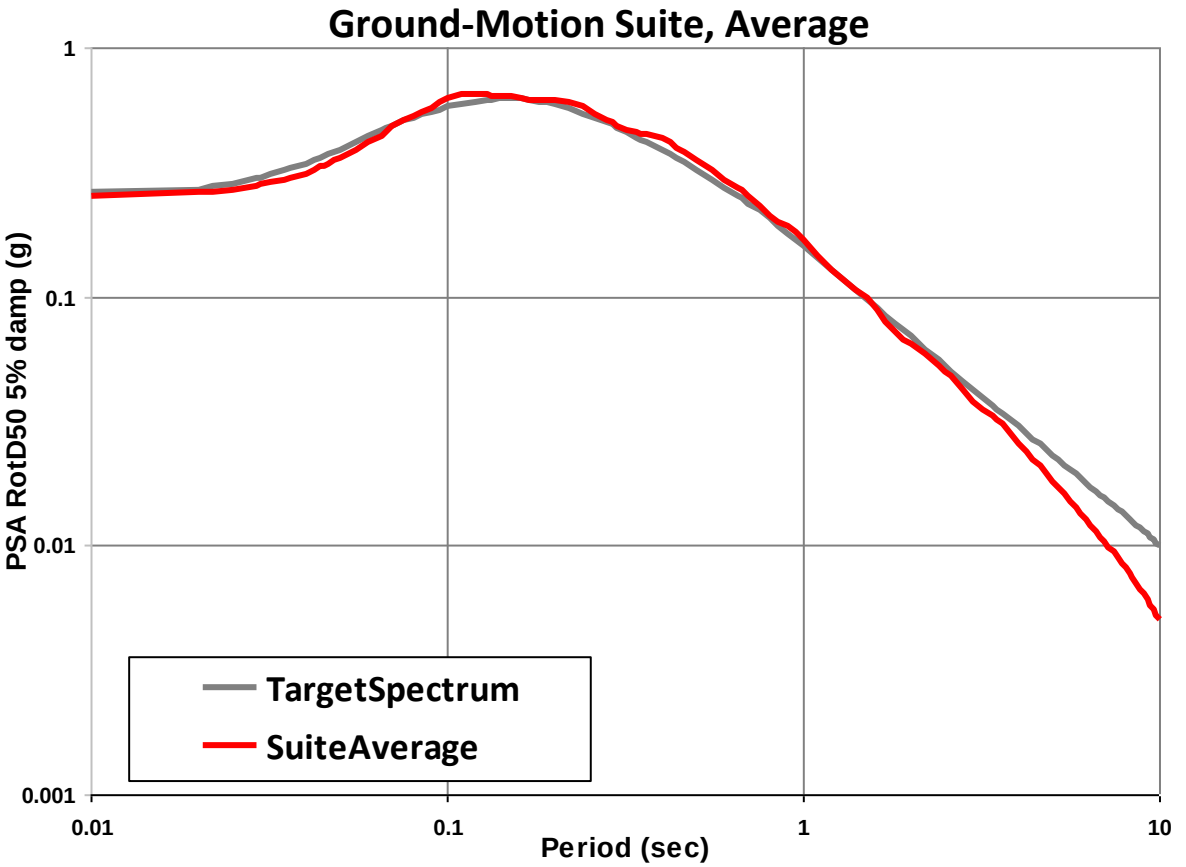
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.05	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.52	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.6	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.52	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.26	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	2.13	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	2.85	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.1	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	3.45	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.38	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.59	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.4	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.34	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.19	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.7	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.61	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.53	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.54	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.3	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.35	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.5	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.35	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.33	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.79	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.52	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.45	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.94	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.36	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.72	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.95	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.74	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.76	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	3.51	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.67	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.66	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.92	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**

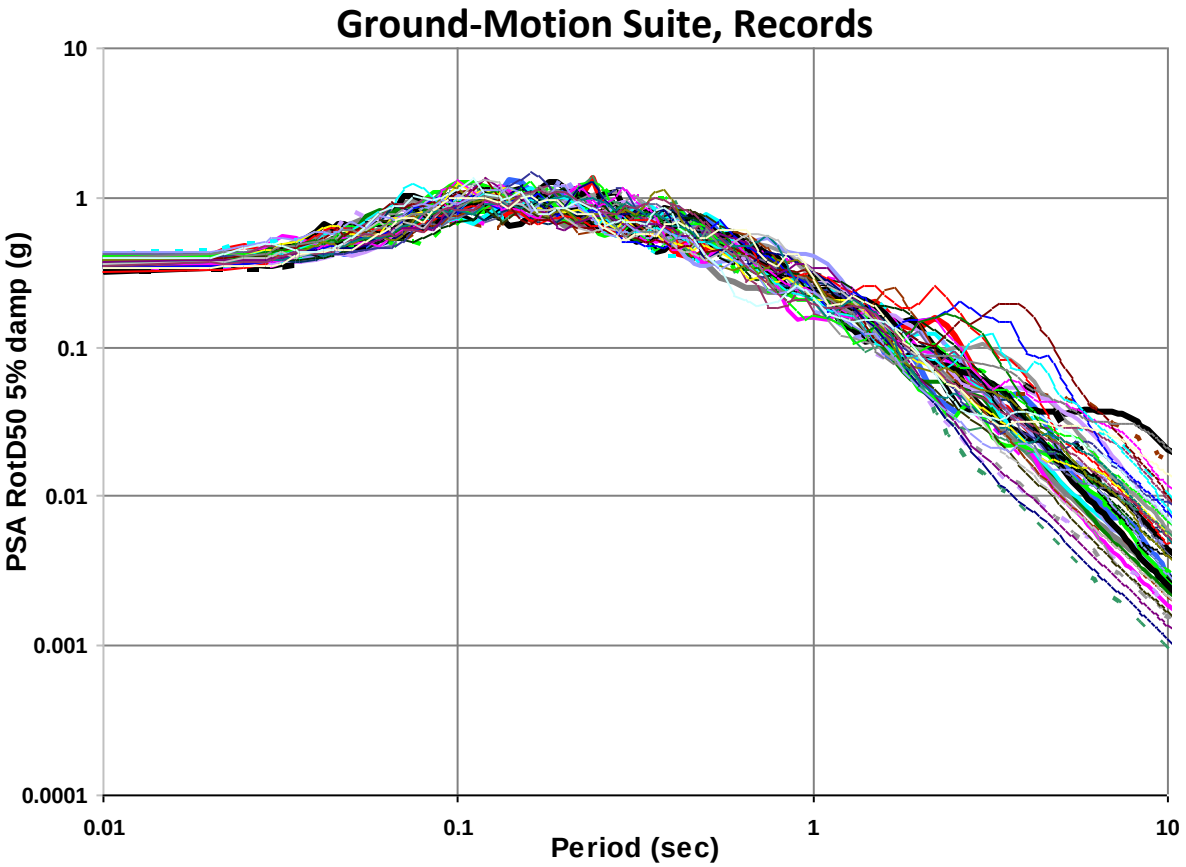
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.69	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.61	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.44	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.56	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.38	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.11	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.87	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.93	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.77	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.32	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.77	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.42	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

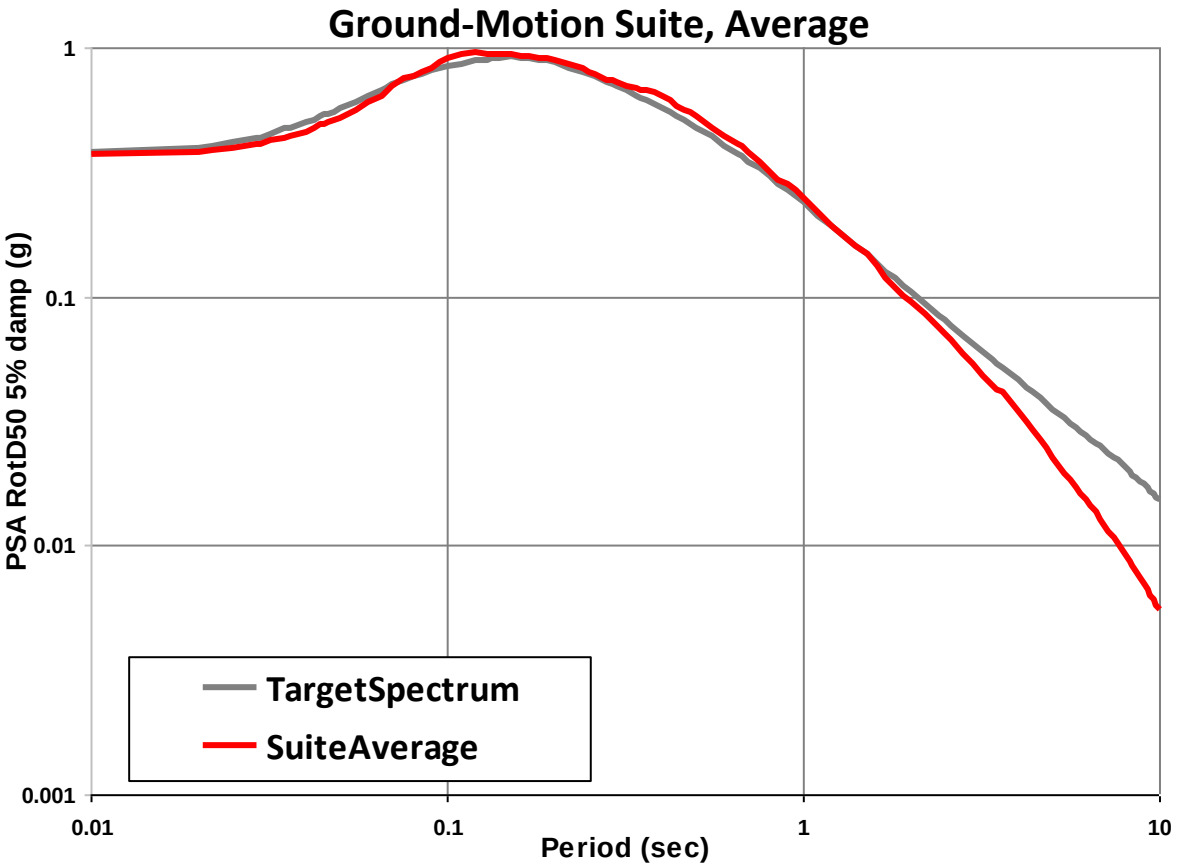
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.7	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.82	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.7	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.72	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.35	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	2.88	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.35	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	3.85	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.49	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.87	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.15	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.53	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.8	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.61	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.94	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.18	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.06	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.74	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.4	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.47	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.67	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.17	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.45	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	2.64	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	3.76	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.7	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.61	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.27	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.49	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.97	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	2.72	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.28	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.02	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.91	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	2.24	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	3.94	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**

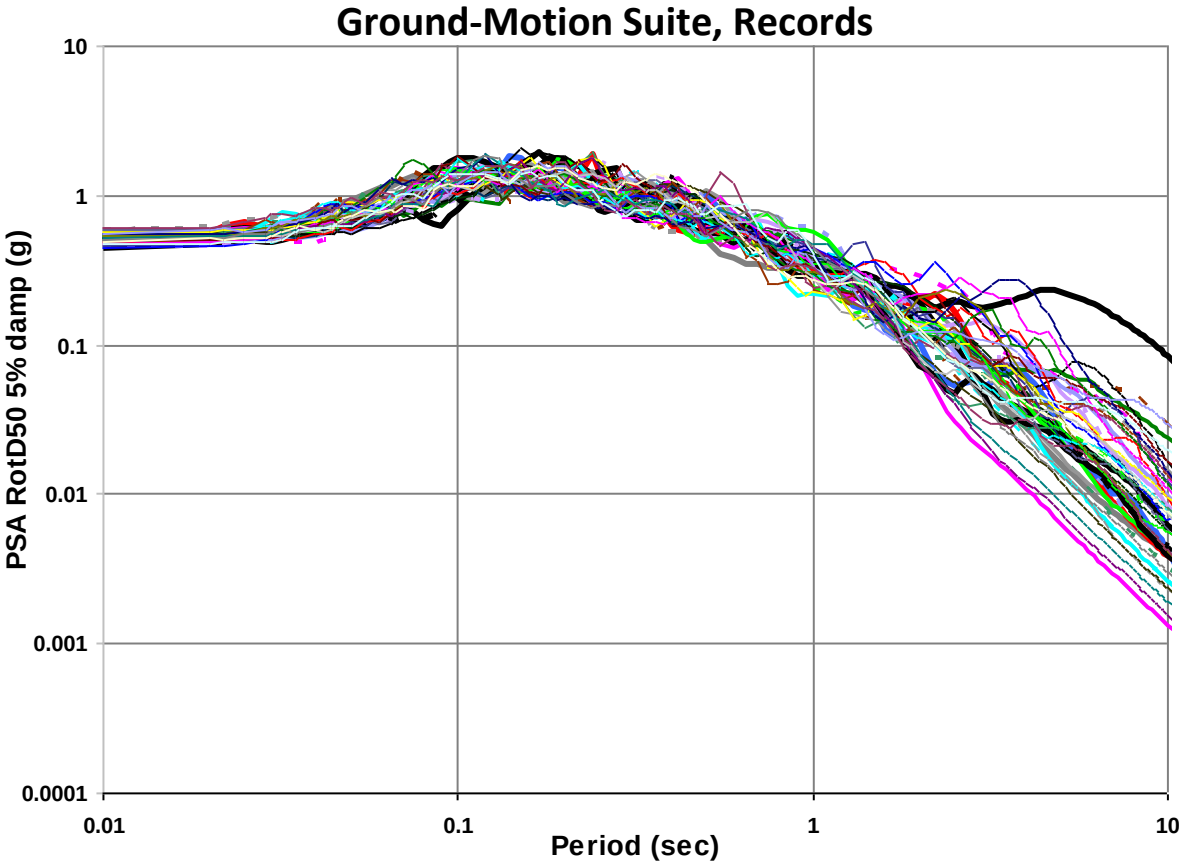
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.49	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	2.37	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.11	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.83	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.03	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.63	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.76	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.36	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.13	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	3.41	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.61	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.08	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

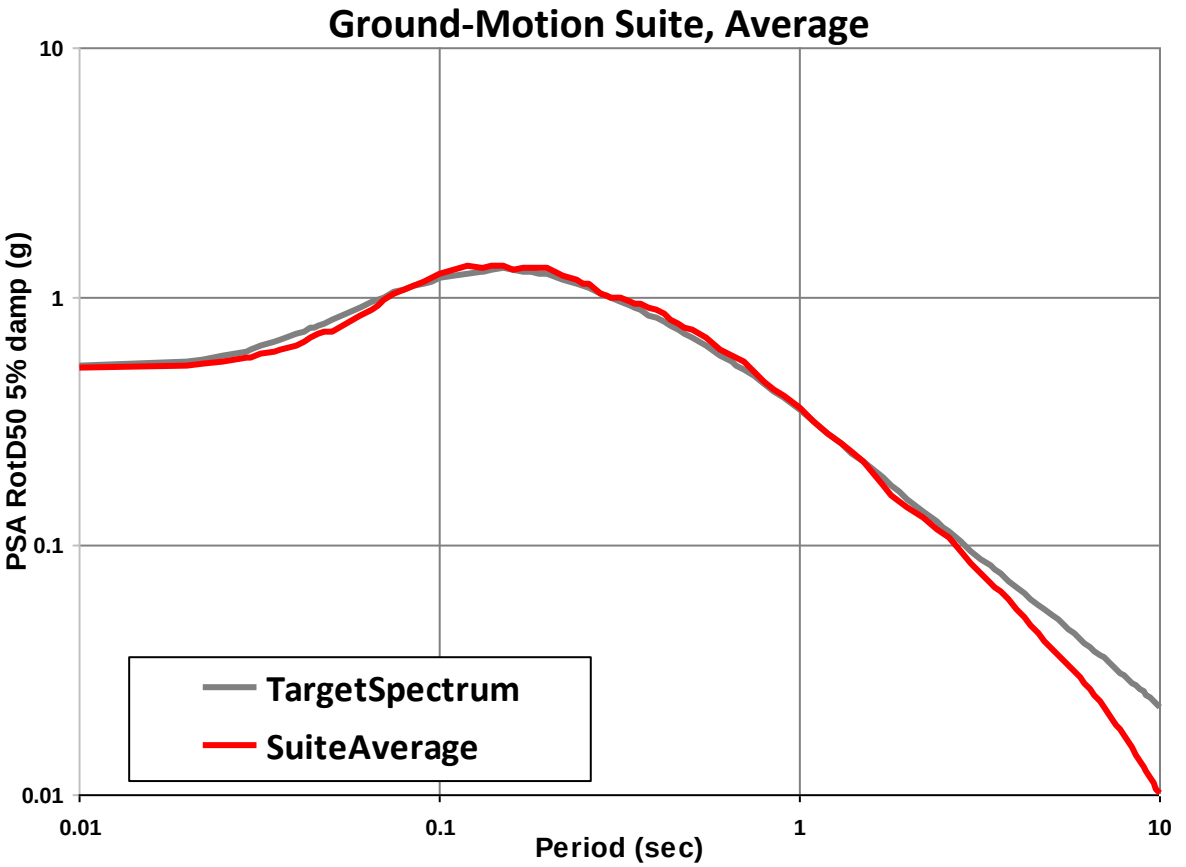
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.03	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.2	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.02	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	1.95	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	1.06	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.52	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.99	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	2.19	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.75	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	3.17	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.79	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	2.65	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.36	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.38	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	3.2	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	3.03	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.08	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.59	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.69	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.99	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.97	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.66	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	3.88	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.03	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
5239	Chuetsu-oki NGNH29 2007	6.8	44	464.92	Reverse	5.7	3.87	RSN5239_CHUETSU_NGNH29NS.AT2 RSN5239_CHUETSU_NGNH29EW.AT2 RSN5239_CHUETSU_NGNH29UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.9	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.17	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.87	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.72	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.28	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.42	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.89	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.48	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.5	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	2.27	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.33	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	3.3	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**

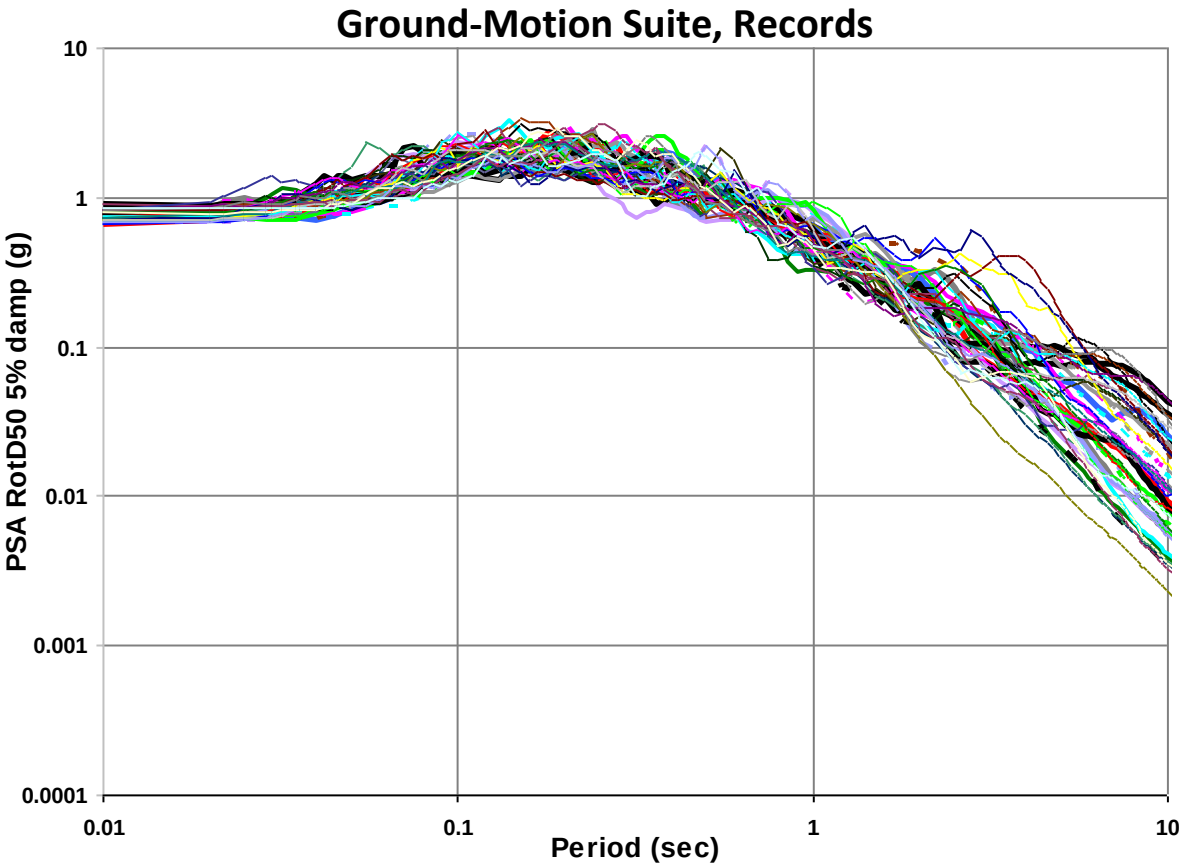
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	3.5	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	3.32	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.97	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.16	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.85	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.29	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	2.64	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.47	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.91	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.58	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	3.66	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.92	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

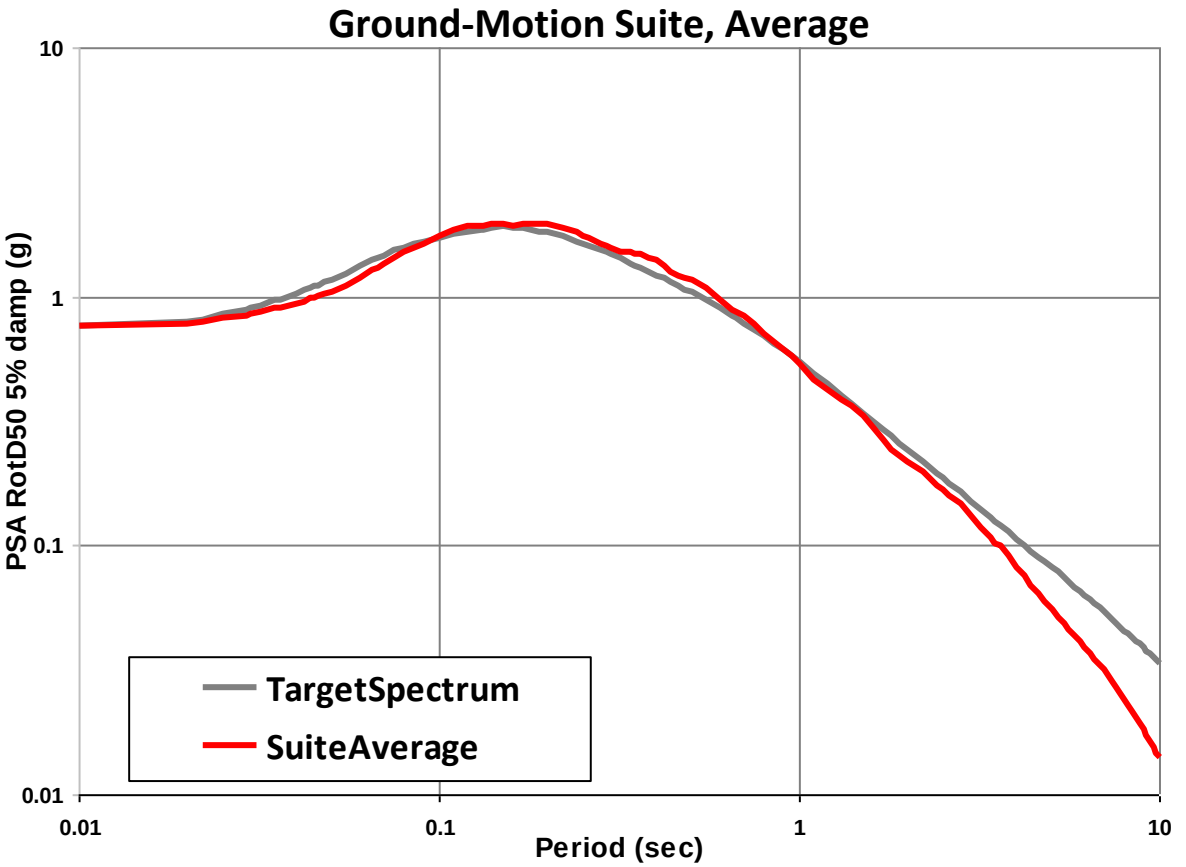
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.45	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.68	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.44	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	2.73	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	3.2	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	1.48	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.72	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.79	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.86	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	3.07	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	3.85	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.85	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.1	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	3.32	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.94	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.52	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.82	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.97	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.39	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.77	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.92	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.44	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.26	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	2.84	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	1.73	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	3.4	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.27	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.64	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	2.63	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.01	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.39	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	2.65	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.07	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.11	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	3.19	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.87	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**06 LongBeach**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	06 LongBeach
Site Vs30 (m/s)	760
Return Period (yr)	2500

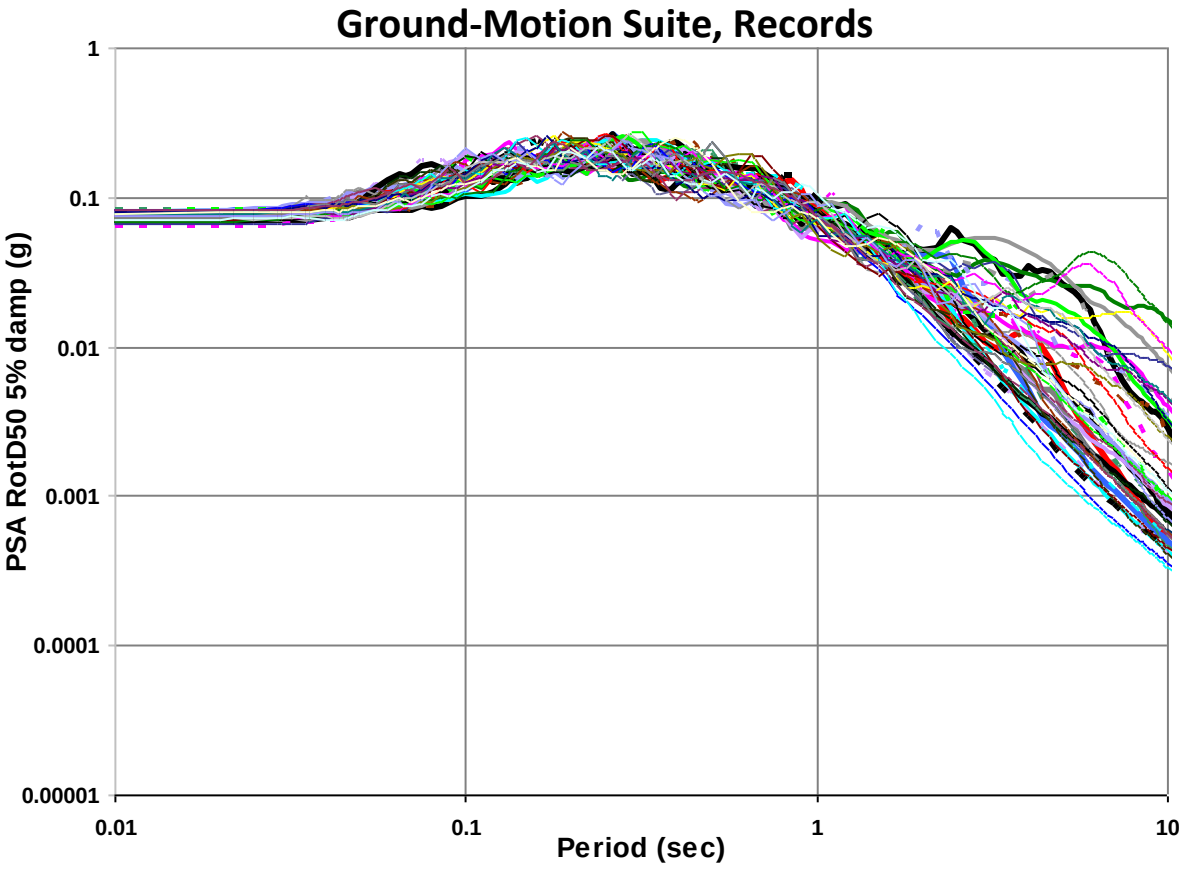
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	2.12	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.74	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	3.42	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	3.81	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	3.69	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	2.85	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
548	Chalfant Valley-02 Benton 1986	6.19	22	370.94	strike slip	5.7	3.64	RSN548_CHALFANT.A_A-BEN270.AT2 RSN548_CHALFANT.A_A-BEN360.AT2 RSN548_CHALFANT.A_A-BEN-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.36	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	2.16	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.51	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.58	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
990	Northridge-01 LA - City Terrace 1994	6.69	35	365.22	Reverse	6	2.88	RSN990_NORTHR_LAC090.AT2 RSN990_NORTHR_LAC180.AT2 RSN990_NORTHR_LAC-UP.AT2

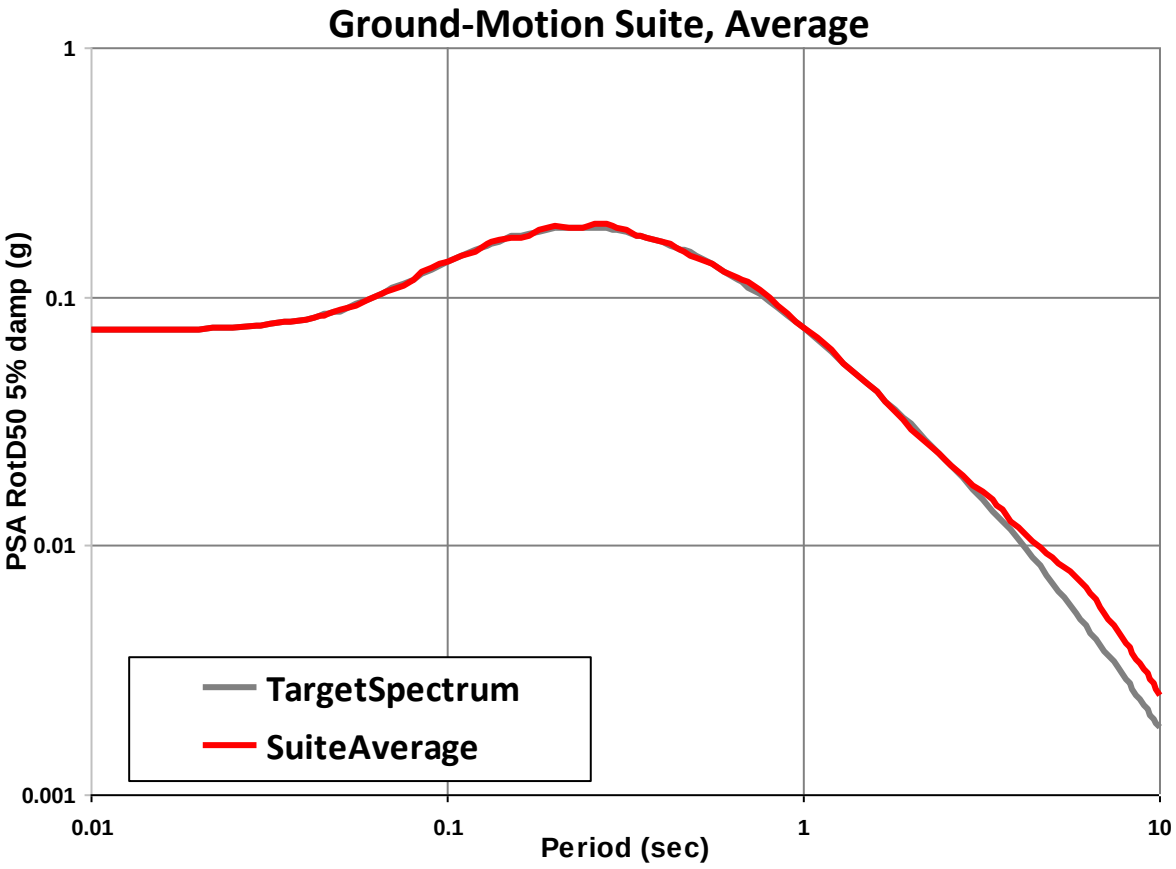
Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
991	Northridge-01 LA - Cypress Ave 1994	6.69	29	366.71	Reverse	5.7	3.89	RSN991_NORTHR_CYP053.AT2 RSN991_NORTHR_CYP143.AT2 RSN991_NORTHR_CYP-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	2.14	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	2.21	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	1.08	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.29	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	1.71	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	2.56	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	2.13	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	3.42	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.65	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	2.09	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	2.71	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	2.33	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.9	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	2.27	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.23	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.44	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	2.08	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.38	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	1.71	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	2.15	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.88	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4787	Wenchuan, China Jiangyoudizhentai 2008	7.9	23	475.59	Reverse O	27.2	1.61	RSN4787_WENCHUAN_UA1048.AT2 RSN4787_WENCHUAN_UA1049.AT2 RSN4787_WENCHUAN_UA1050.AT2
4852	Chuetsu-oki Joetsu, Aramaki District 2007	6.8	30	605.71	Reverse	3.7	3.81	RSN4852_CHUETSU_65018NS.AT2 RSN4852_CHUETSU_65018EW.AT2 RSN4852_CHUETSU_65018UD.AT2
4873	Chuetsu-oki Kashiwazaki City Takayanagicho 2007	6.8	10	561.59	Reverse	3.5	1.49	RSN4873_CHUETSU_65056NS.AT2 RSN4873_CHUETSU_65056EW.AT2 RSN4873_CHUETSU_65056UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	2.59	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2

Site	06 LongBeach							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.89	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.45	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.51	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.58	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.98	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	3.1	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	3.15	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	2.3	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	2.8	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	2.22	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	2.69	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

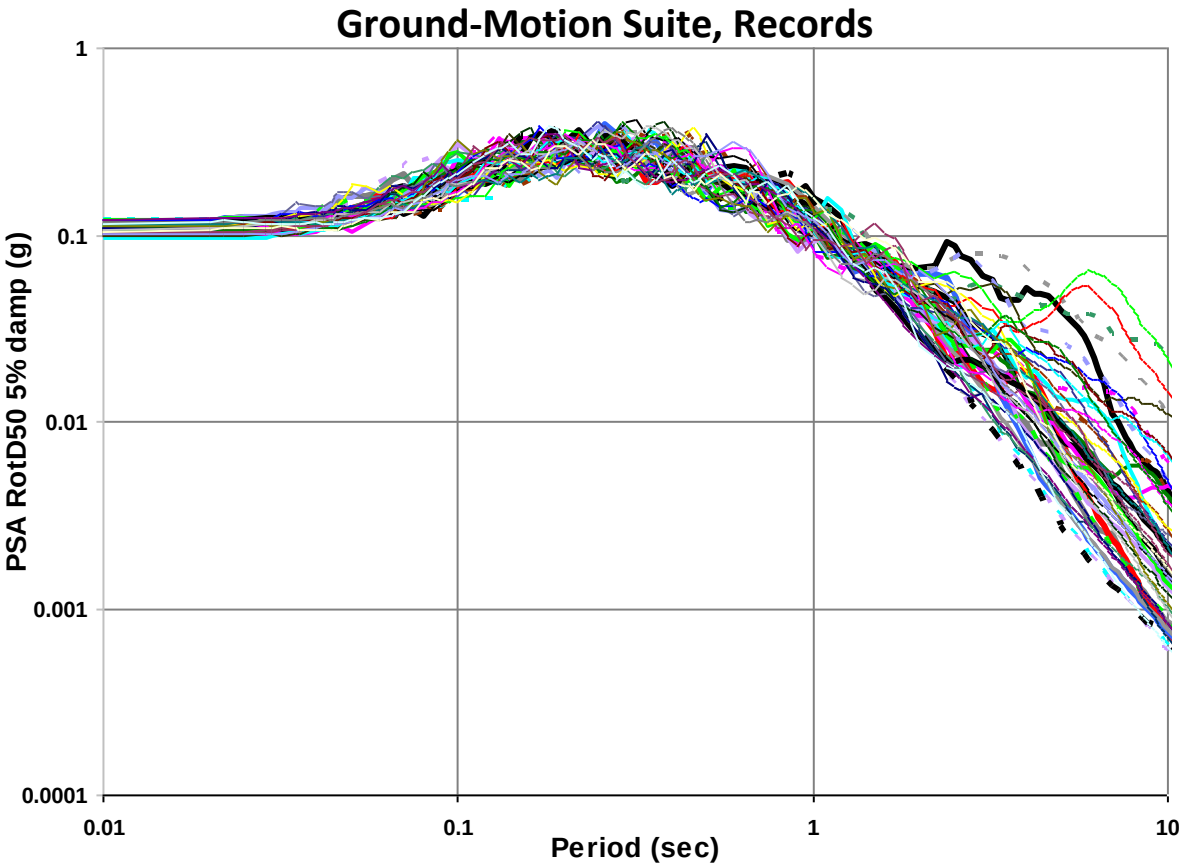
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	1.68	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	0.29	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.34	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
154	Coyote Lake San Juan Bautista, 24 Polk St 1979	5.74	19	335.5	strike slip	6.1	0.81	RSN154_COYOTELK_SJB213.AT2 RSN154_COYOTELK_SJB303.AT2 RSN154_COYOTELK_SJB-UP.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.32	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.37	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.29	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	0.84	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.44	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.18	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	0.44	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A

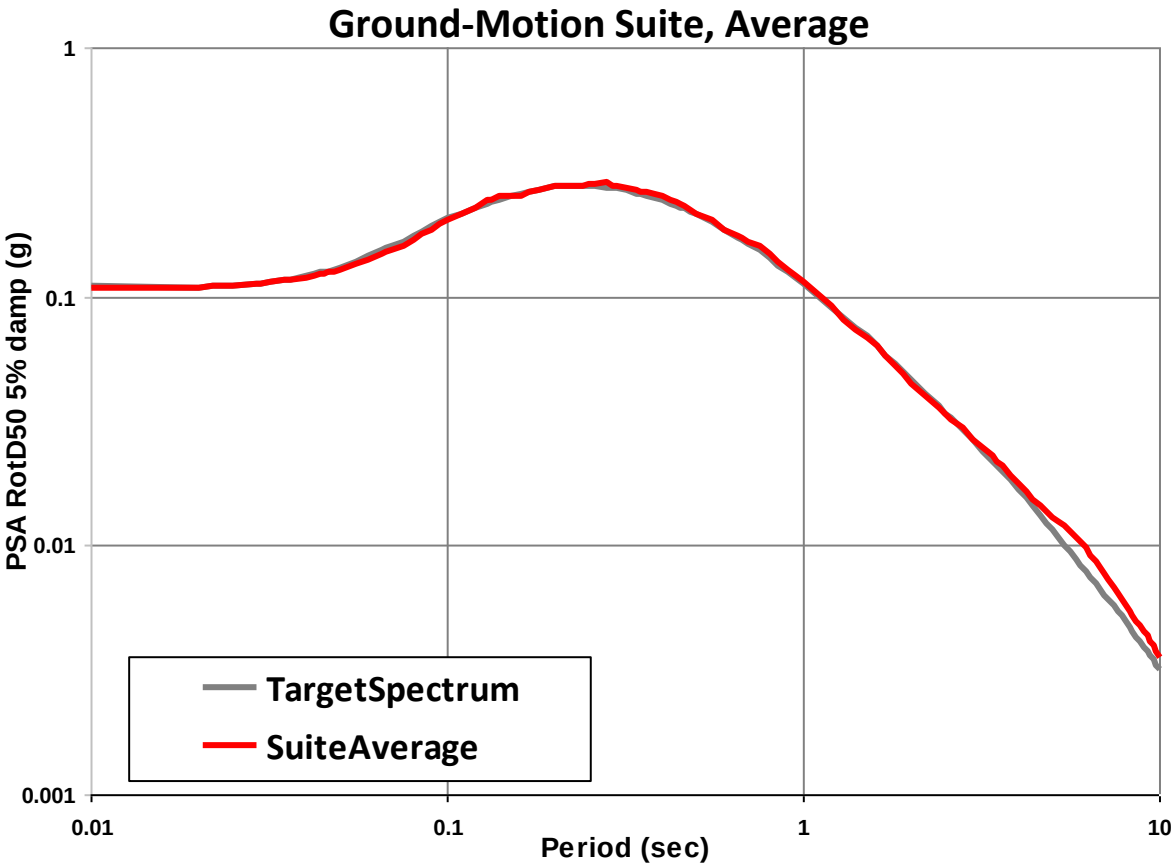
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
457	Morgan Hill Gilroy Array #3 1984	6.19	13	349.85	strike slip	6.5	0.41	RSN457_MORGAN_G03000.AT2 RSN457_MORGAN_G03090.AT2 RSN457_MORGAN_G03-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	0.69	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.35	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.28	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
634	Whittier Narrows-01 LA - Fletcher Dr 1987	5.99	11	329.06	Reverse O	2.8	0.36	RSN634_WHITTIER.A_A-FLE144.AT2 RSN634_WHITTIER.A_A-FLE234.AT2 RSN634_WHITTIER.A_A-FLE-UP.AT2
674	Whittier Narrows-01 Pasadena - Brown Gym 1987	5.99	4	341.14	Reverse O	3.3	0.5	RSN674_WHITTIER.A_A-BRG180.AT2 RSN674_WHITTIER.A_A-BRG270.AT2 RSN674_WHITTIER.A_A-BRG-UP.AT2
739	Loma Prieta Anderson Dam (Downstream) 1989	6.93	20	488.77	Reverse O	5.2	0.3	RSN739_LOMAP_AND250.AT2 RSN739_LOMAP_AND340.AT2 RSN739_LOMAP_AND-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.5	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	0.58	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.3	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.67	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.42	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	0.68	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.33	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.46	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.37	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.27	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.57	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.26	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	2.74	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.38	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.6	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3710	Whittier Narrows-02 LA - E Vernon Ave 1987	5.27	12	283.14	Reverse O	4.7	0.74	RSN3710_WHITTIER.B_B-VER083.AT2 RSN3710_WHITTIER.B_B-VER173.AT2 RSN3710_WHITTIER.B_B-VER-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.44	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.28	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.3	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.28	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.44	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4440	Friuli (aftershock 13), Italy Buia 1976	5.9	-999	310.68	Reverse	4.6	0.83	RSN4440_FRIULI.P1_Z-BUI-NS.AT2 RSN4440_FRIULI.P1_Z-BUI-WE.AT2 RSN4440_FRIULI.P1_Z-BUI-VT.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.27	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
5990	El Mayor-Cucapah El Centro Array #7 2010	7.2	27	210.51	strike slip	16.5	0.3	RSN5990_SIERRA.MEX_E07360.AT2 RSN5990_SIERRA.MEX_E07090.AT2 RSN5990_SIERRA.MEX_E07-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.39	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.28	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.47	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	0.83	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.28	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.61	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.77	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

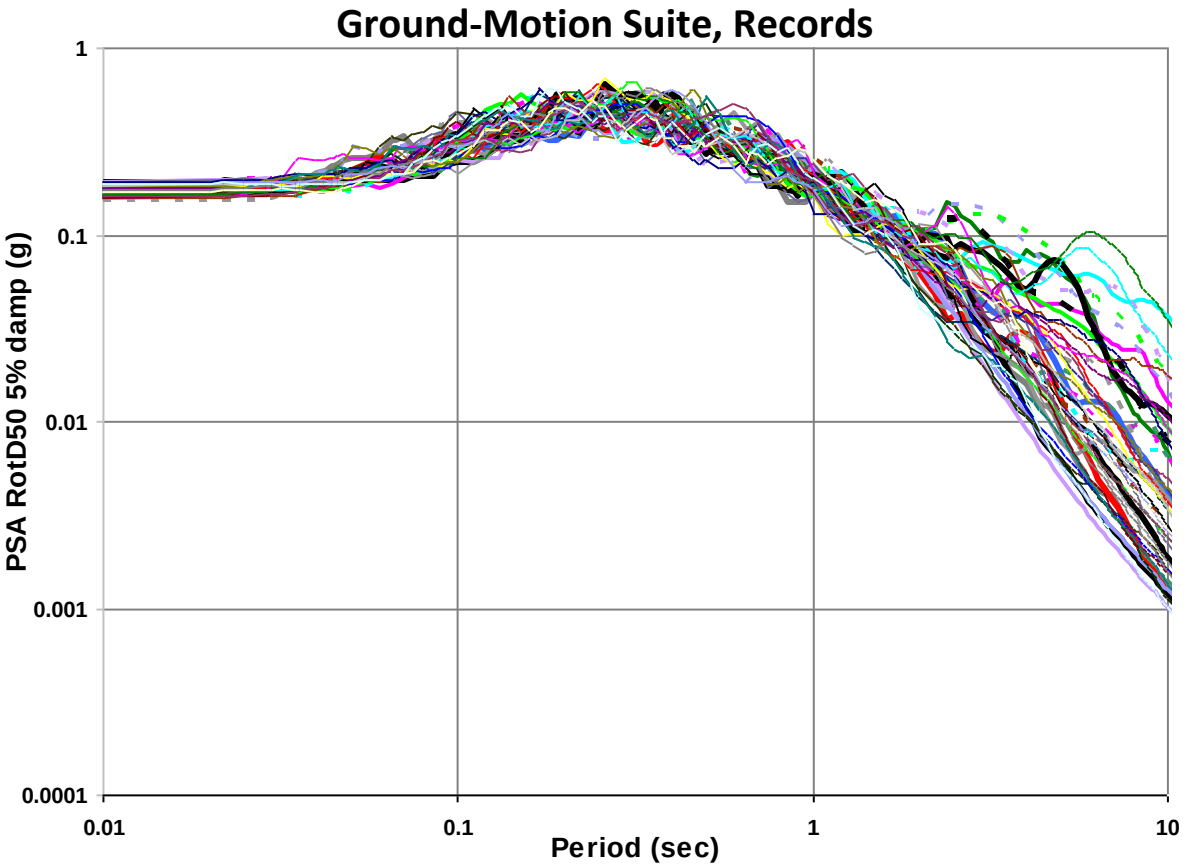
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	2.49	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.3	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.51	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.33	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.48	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.55	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.43	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.66	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.49	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.75	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
298	Irpinia, Italy-02 Bovino 1980	6.2	44	356.39	Normal	9.6	3.64	RSN298_ITALY_B-BOV000.AT2 RSN298_ITALY_B-BOV270.AT2 RSN298_ITALY_B-BOV-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.03	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

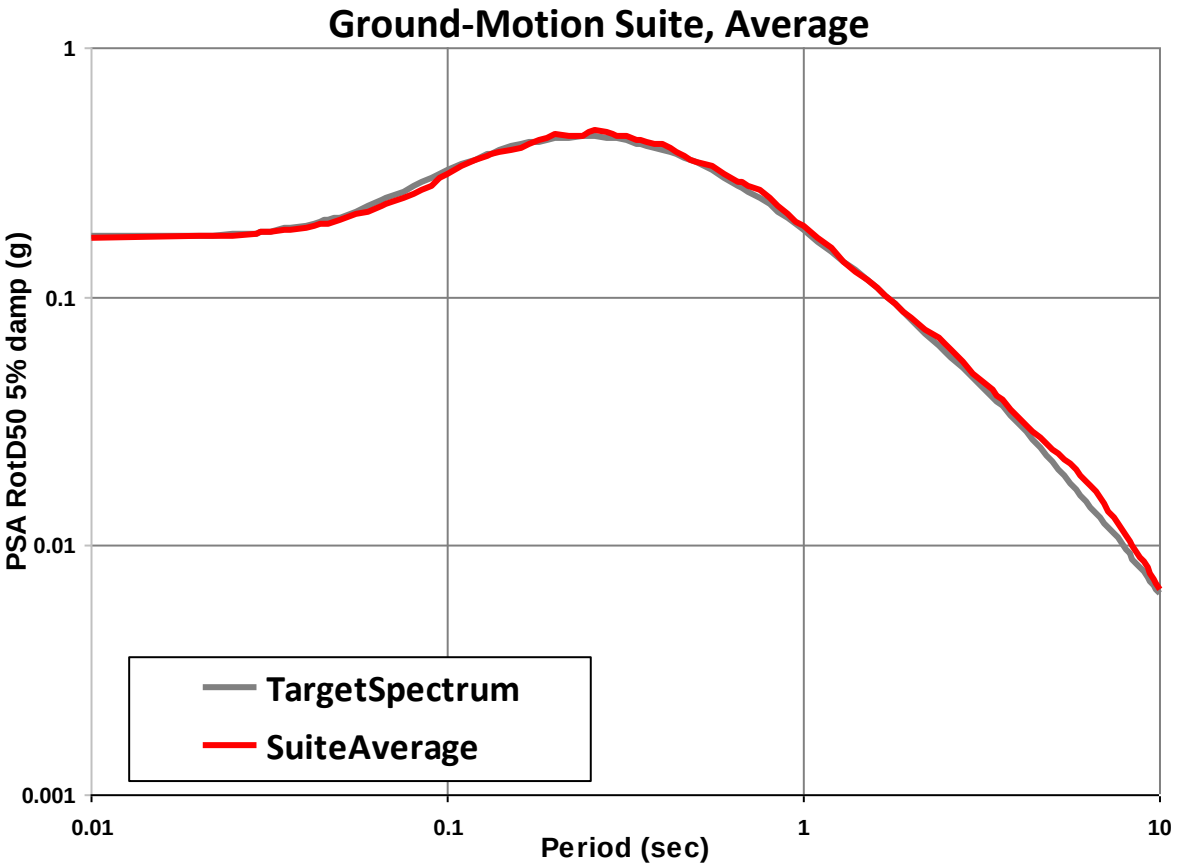
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.52	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.41	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
739	Loma Prieta Anderson Dam (Downstream) 1989	6.93	20	488.77	Reverse O	5.2	0.45	RSN739_LOMAP_AND250.AT2 RSN739_LOMAP_AND340.AT2 RSN739_LOMAP_AND-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.75	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	0.86	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.35	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.25	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
964	Northridge-01 Compton - Castlegate St 1994	6.69	43	266.9	Reverse	11.4	1.02	RSN964_NORTHR_CAS000.AT2 RSN964_NORTHR_CAS270.AT2 RSN964_NORTHR_CAS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.45	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.35	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.99	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.63	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.31	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.68	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.55	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.4	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.26	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.85	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.39	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.57	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.33	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.89	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.66	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.42	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.45	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.42	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.36	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.39	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.31	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.57	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.42	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.69	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	1.23	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.42	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.91	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	1.14	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

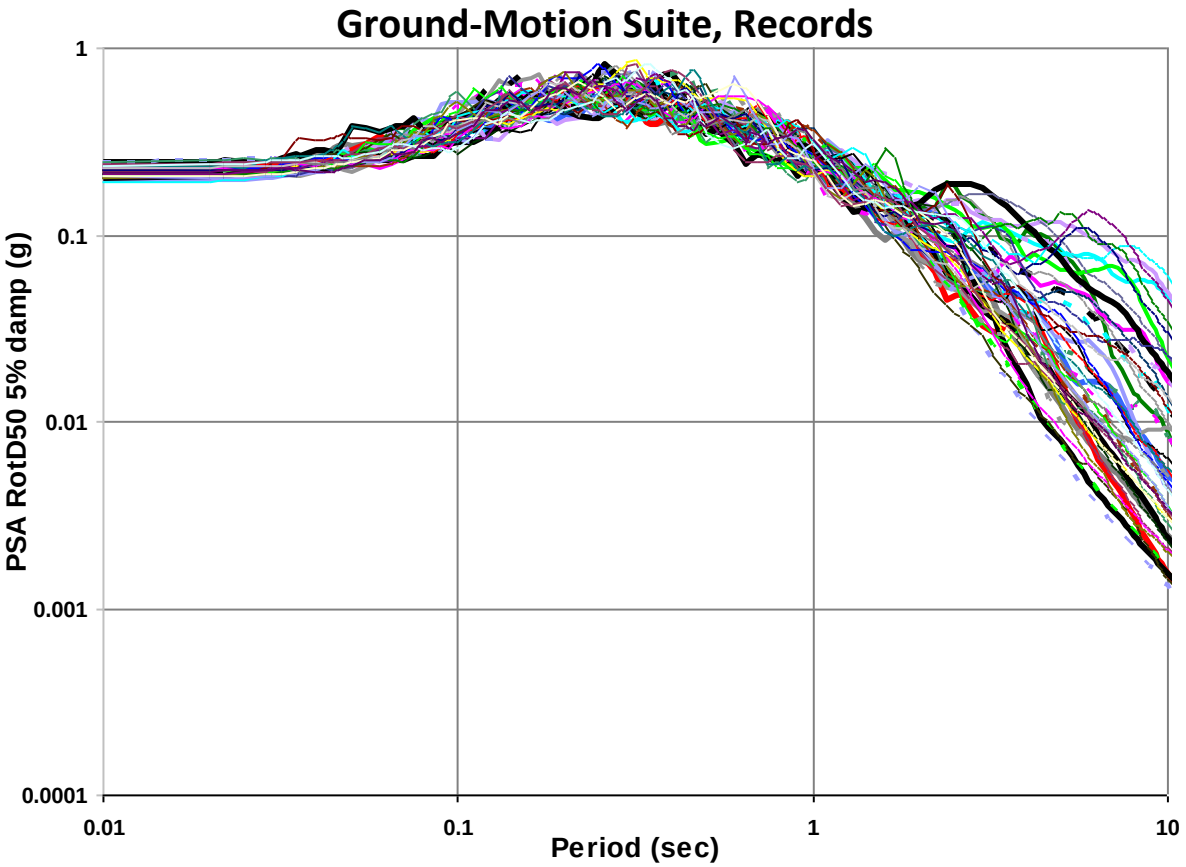
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.49	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.82	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.53	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.89	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.2	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.38	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.39	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.69	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	2	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	2.81	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.71	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.65	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

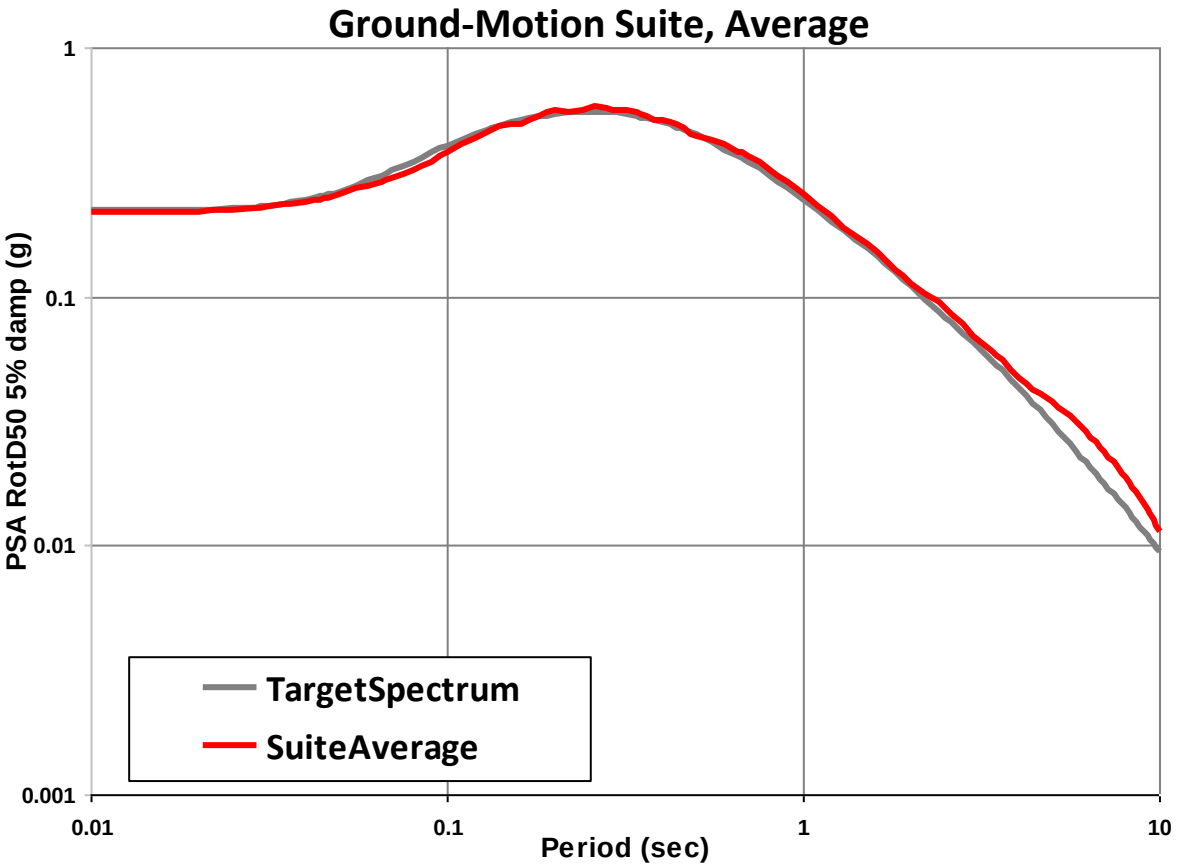
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.83	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.67	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.31	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.2	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.56	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.4	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.72	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.56	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	1.59	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.01	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.31	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.62	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.78	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.5	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.1	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.88	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1190	Chi-Chi, Taiwan CHY019 1999	7.62	50	497.53	Reverse O	24.5	2.88	RSN1190_CHICHI_CHY019-N.AT2 RSN1190_CHICHI_CHY019-W.AT2 RSN1190_CHICHI_CHY019-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.64	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.41	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.34	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.37	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.63	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.92	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.53	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.68	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.72	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.67	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.63	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.57	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.51	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5818	Iwate Kurihara City 2008	6.9	13	512.26	Reverse	6.4	0.31	RSN5818_IWATE_48A61NS.AT2 RSN5818_IWATE_48A61EW.AT2 RSN5818_IWATE_48A61UD.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.37	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.92	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.16	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.67	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	1.12	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.67	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

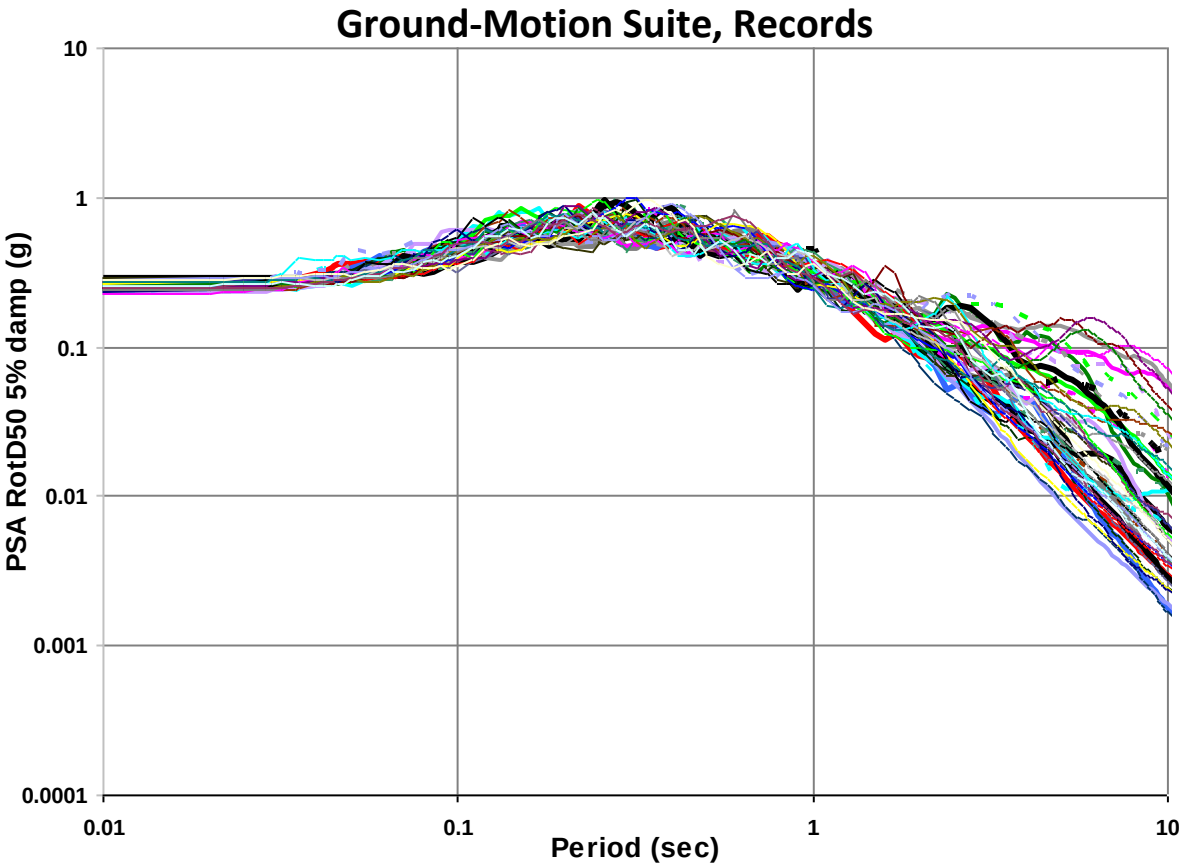
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.36	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1.05	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.68	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.11	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.14	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.53	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.49	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.49	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.89	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	3.6	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.91	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.12	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

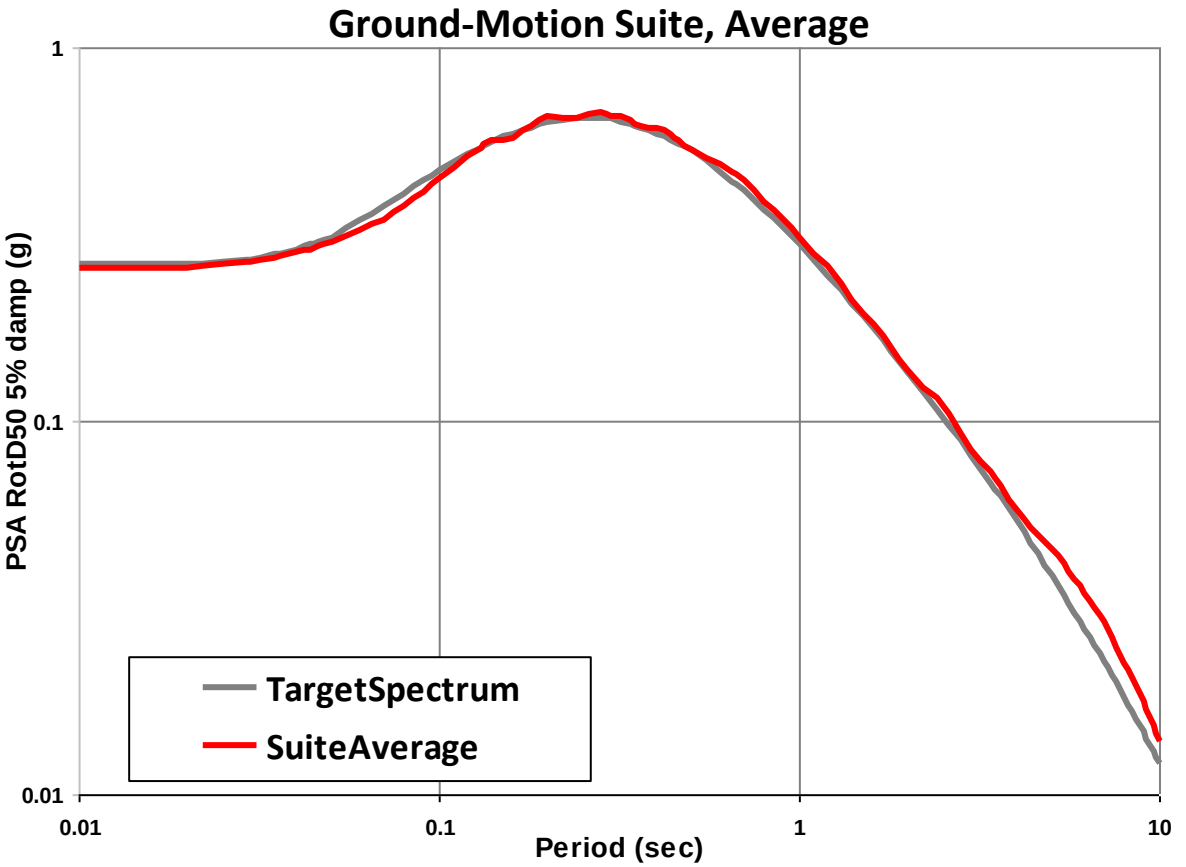
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.07	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.85	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.39	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.54	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.71	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.56	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.51	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.31	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.92	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.3	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.3	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.67	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	2.07	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.64	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.41	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.13	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1190	Chi-Chi, Taiwan CHY019 1999	7.62	50	497.53	Reverse O	24.5	3.69	RSN1190_CHICHI_CHY019-N.AT2 RSN1190_CHICHI_CHY019-W.AT2 RSN1190_CHICHI_CHY019-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.83	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.53	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.43	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.91	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.75	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.8	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.18	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.95	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.92	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.05	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.29	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.81	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.73	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.65	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.89	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.47	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.76	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.18	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.48	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.86	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

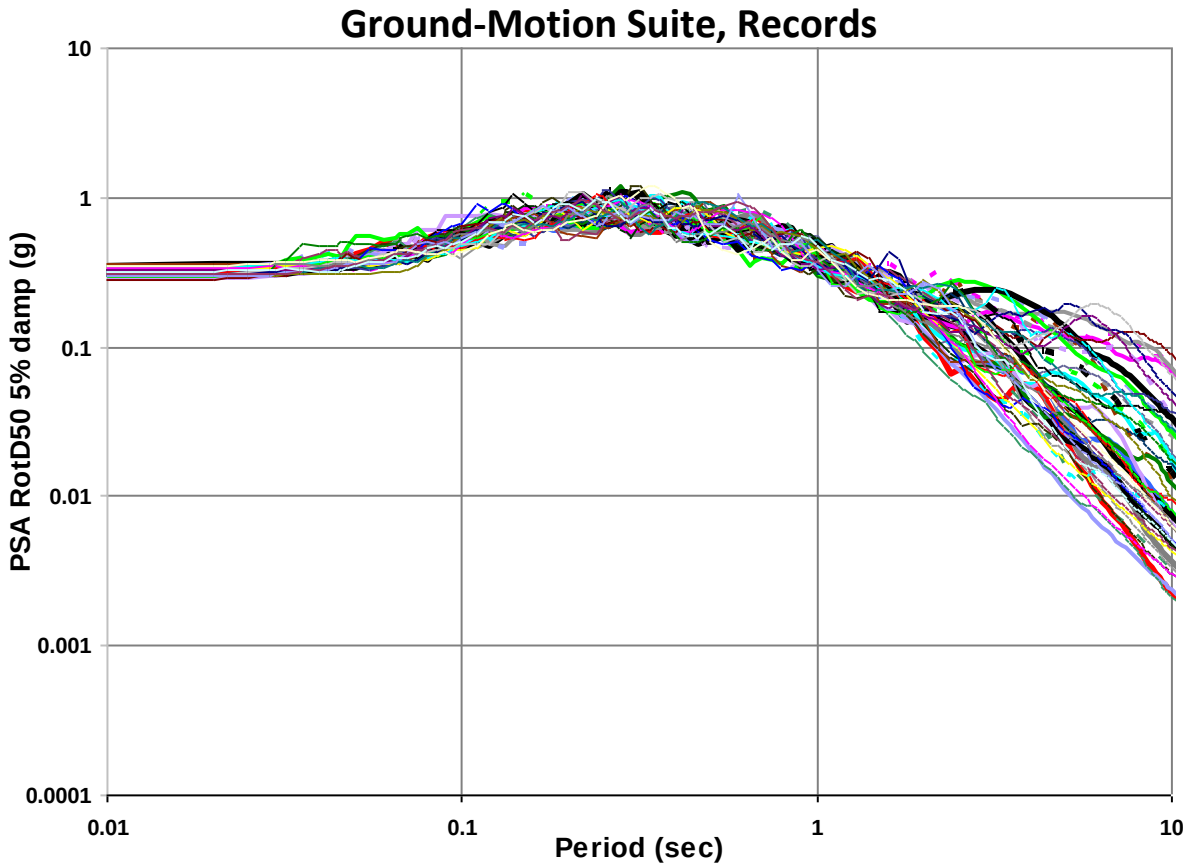
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.6	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1.24	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.31	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.35	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.81	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.57	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.58	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.05	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.07	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.5	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.87	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.26	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2

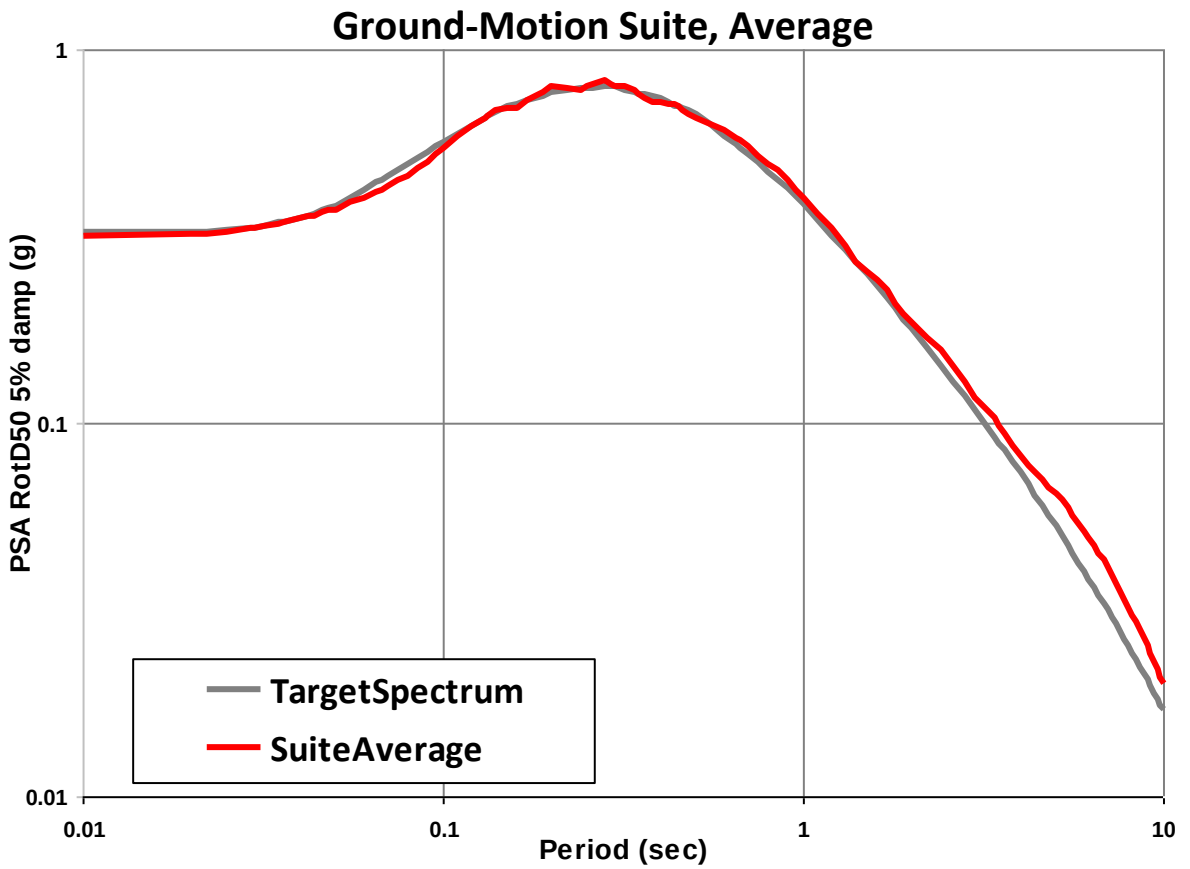
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	1.01	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.46	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.82	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.84	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.66	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.6	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.36	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.09	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	1.97	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.36	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.53	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.98	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.18	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.76	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.66	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.33	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.98	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.62	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.51	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.08	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.95	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.39	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.31	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	3.07	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.08	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.24	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.34	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	1.9	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.96	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.87	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.77	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.05	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.55	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.9	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.4	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6060	Big Bear-01 North Palm Springs Fire Sta #36 1992	6.46	41	367.84	strike slip	8	1.75	RSN6060_BIGBEAR_NPF090.AT2 RSN6060_BIGBEAR_NPF180.AT2 RSN6060_BIGBEAR_NPF-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.01	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.01	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

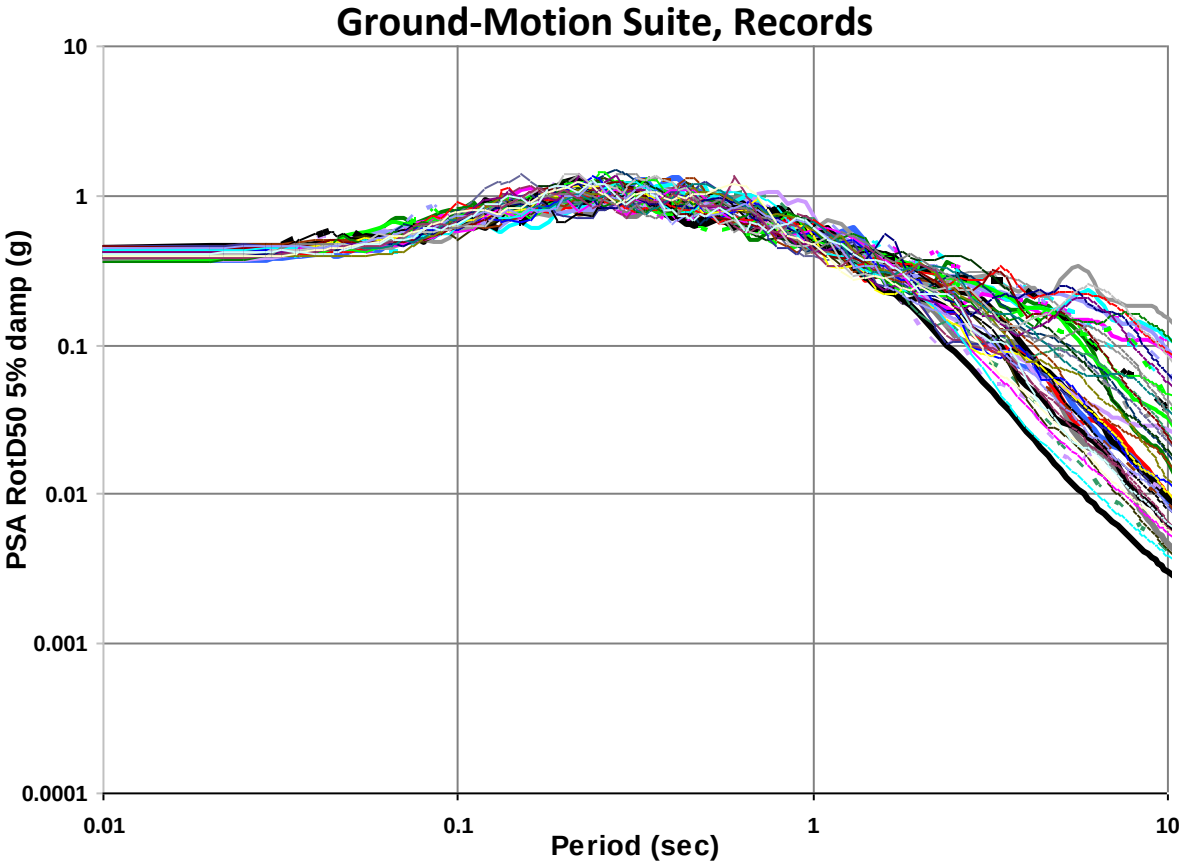
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.3	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.99	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	2.96	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.63	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.67	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.25	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.85	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.71	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.73	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.3	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.33	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	3.11	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

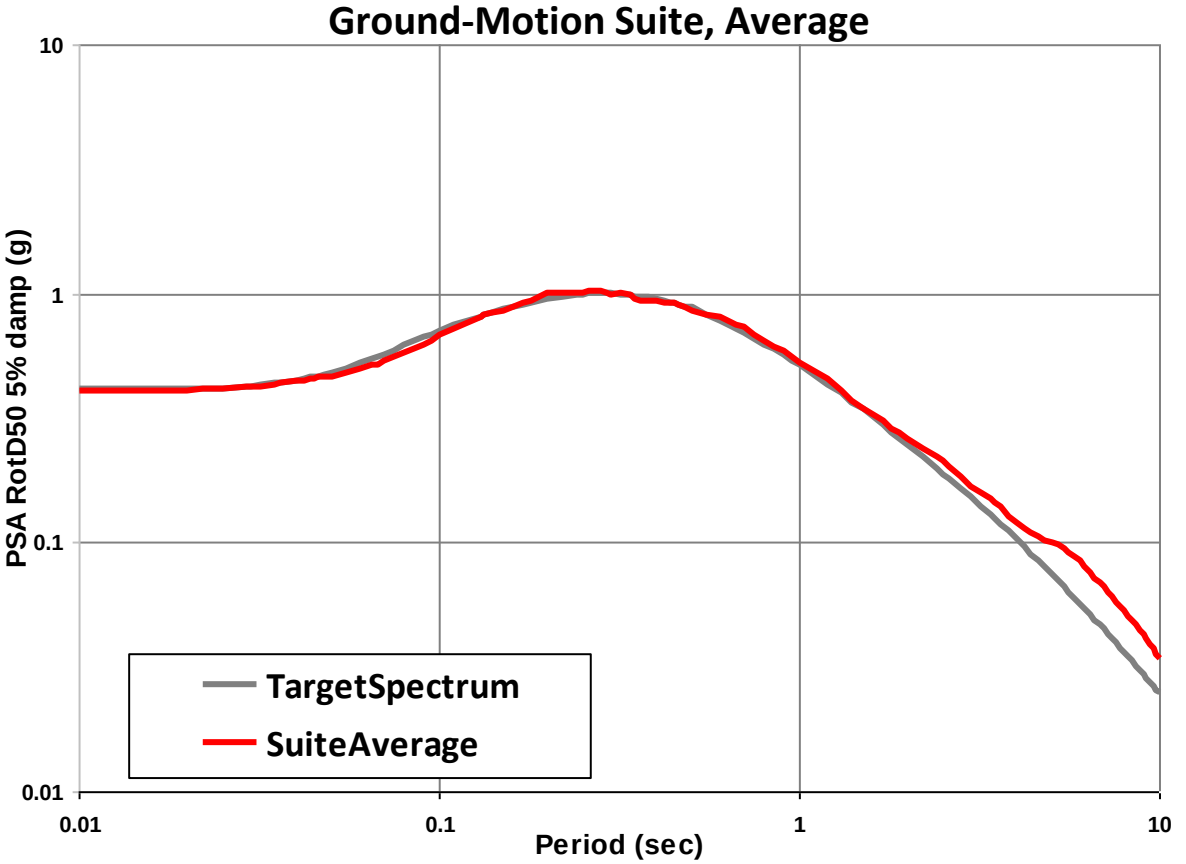
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.33	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.58	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.05	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.82	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.75	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.45	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.36	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.45	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.91	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.46	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.94	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.51	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.07	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.65	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.21	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.54	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.63	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.34	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.18	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.73	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.87	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	3.82	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.35	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.55	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.42	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.37	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.44	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4757	Wenchuan, China Dayiyinping 2008	7.9	29	378.93	Reverse O	53.2	2.23	RSN4757_WENCHUAN_UA0921.AT2 RSN4757_WENCHUAN_UA0920.AT2 RSN4757_WENCHUAN_UA0919.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	1.19	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.08	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.95	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2.71	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.31	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.69	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.12	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.74	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.26	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.26	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

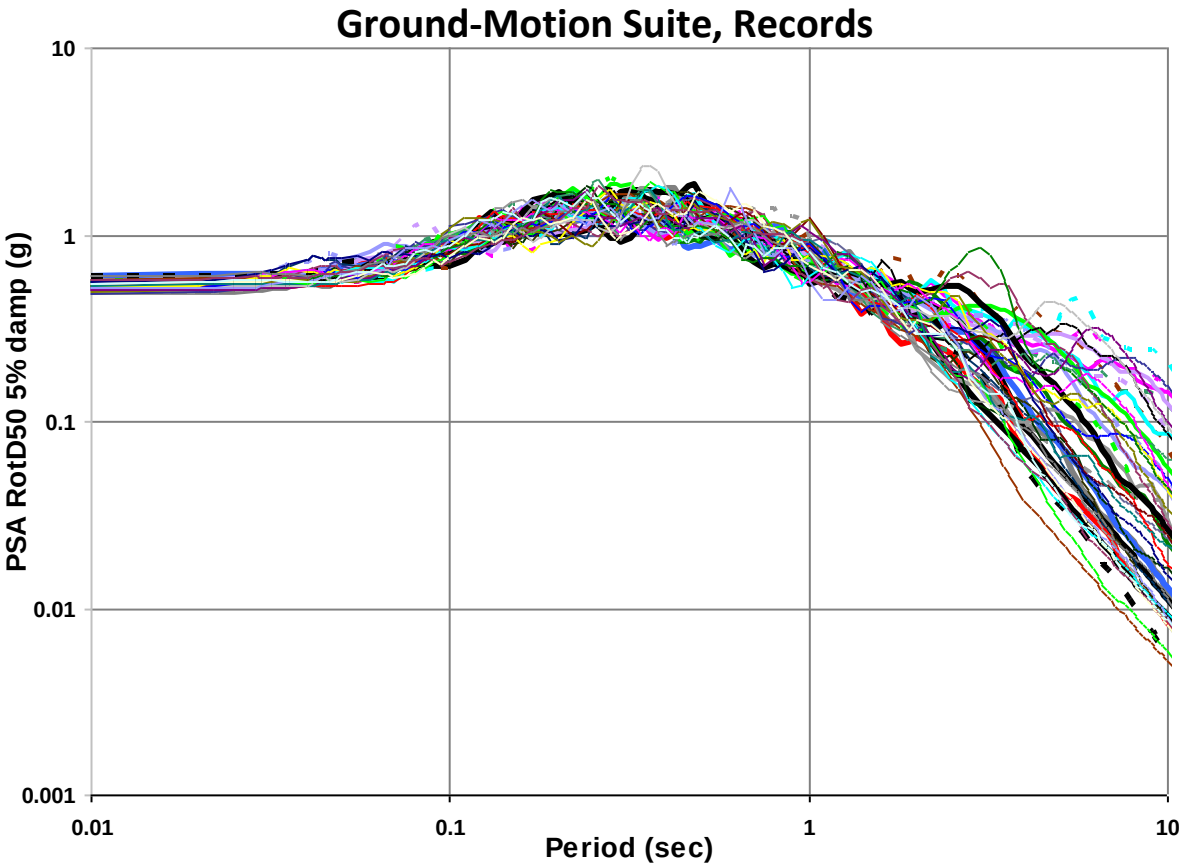
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.67	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	2.56	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	3.8	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.1	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.89	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.09	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.93	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.67	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.36	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.72	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.99	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.74	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2

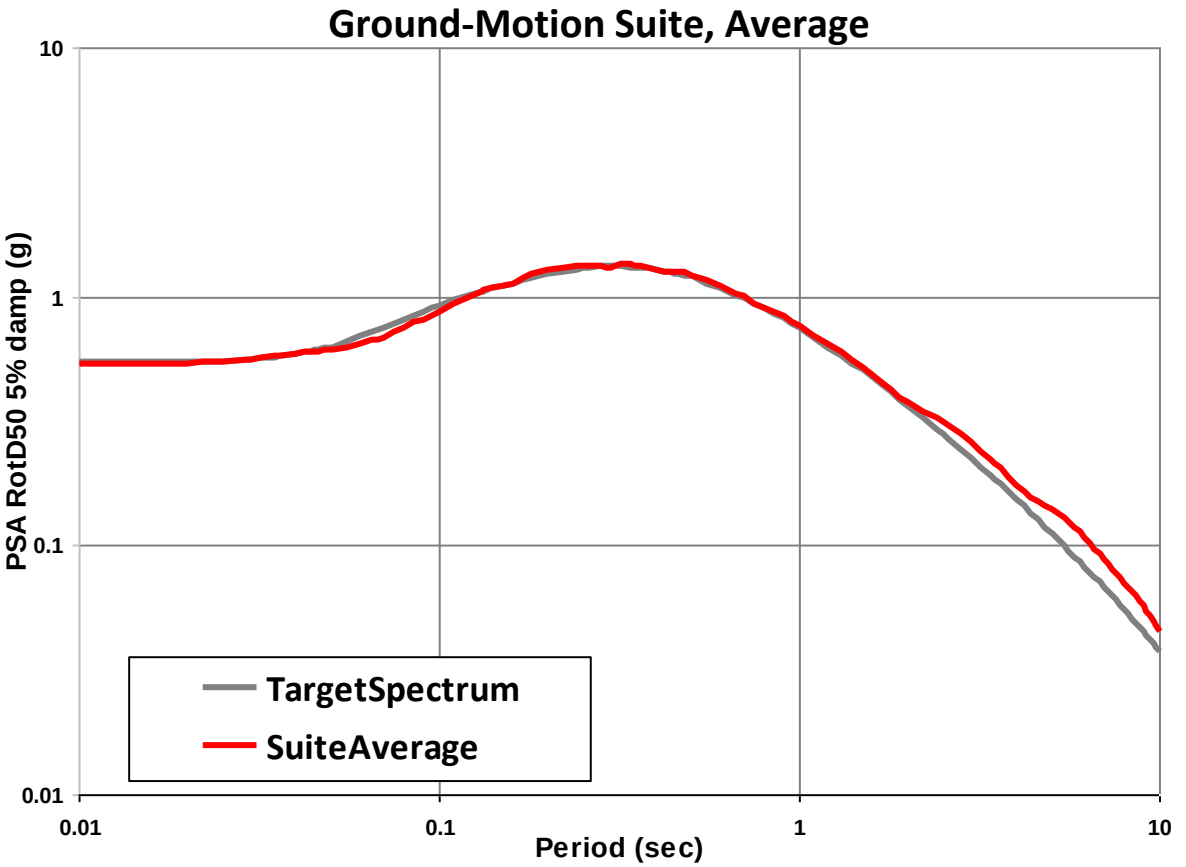
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.43	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.35	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.05	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.96	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.74	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	3.15	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	3.16	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.21	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.66	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.63	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.66	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.56	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.98	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.17	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	1.74	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	2.78	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	0.85	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.81	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.72	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.71	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.52	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.22	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	3.69	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	2.25	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.99	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	3.04	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.85	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4716	Wenchuan, China Deyangbaima 2008	7.9	30	418.21	Reverse O	36.9	3.11	RSN4716_WENCHUAN_UA0777.AT2 RSN4716_WENCHUAN_UA0775.AT2 RSN4716_WENCHUAN_UA0776.AT2
4757	Wenchuan, China Dayiyinping 2008	7.9	29	378.93	Reverse O	53.2	2.87	RSN4757_WENCHUAN_UA0921.AT2 RSN4757_WENCHUAN_UA0920.AT2 RSN4757_WENCHUAN_UA0919.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.38	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.23	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	3.49	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.68	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.44	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	2.23	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.62	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.62	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

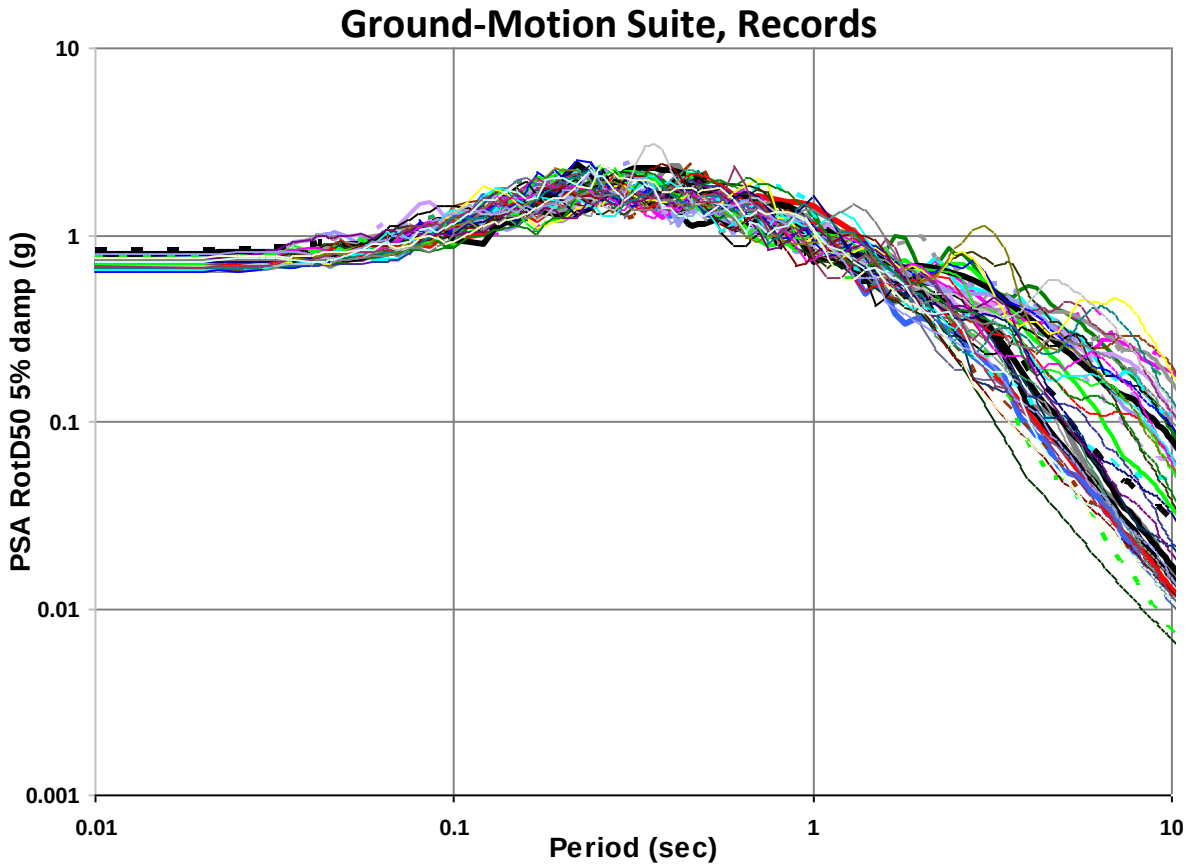
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.24	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	3.45	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.83	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.47	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.25	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.83	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	2.31	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.93	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.55	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	2.33	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.64	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2

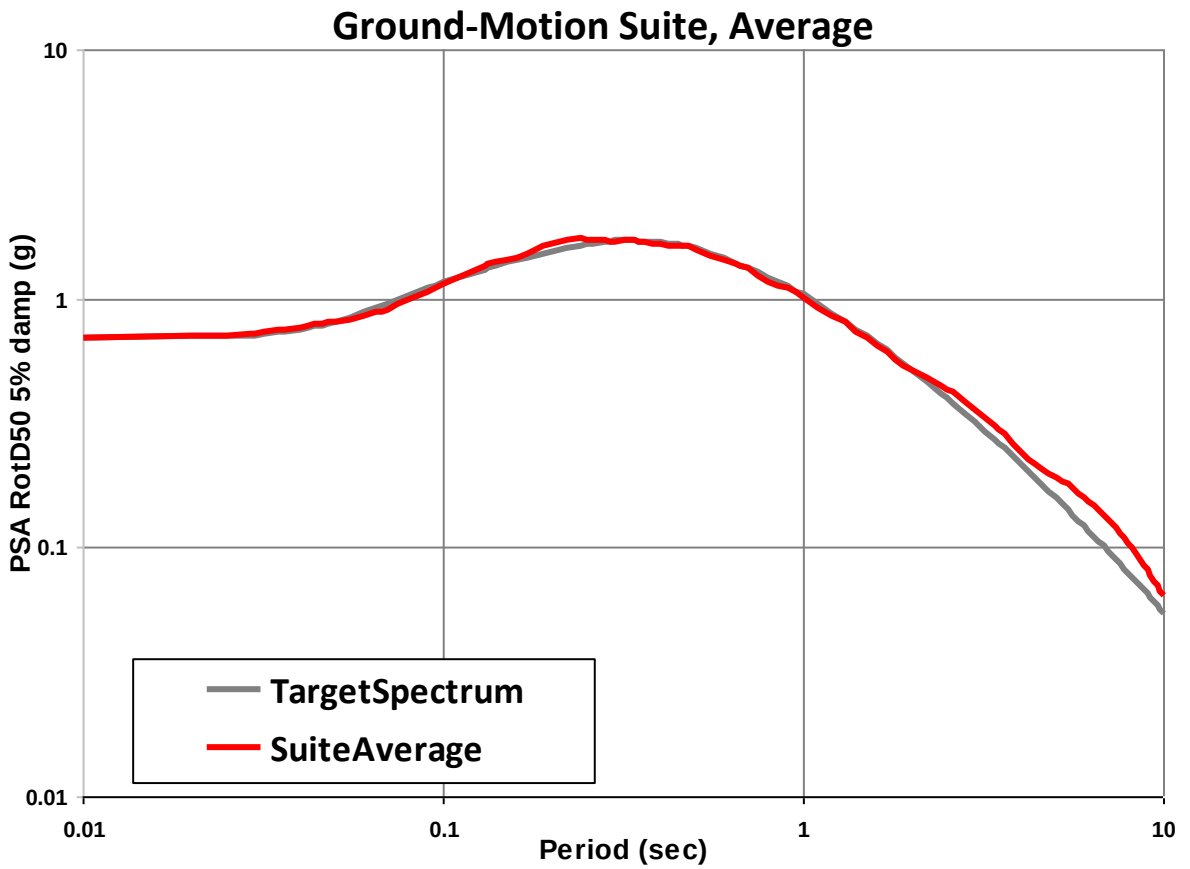
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	3.46	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.81	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.42	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.12	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	3.07	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.35	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.63	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.89	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.85	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.85	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	2.3	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1208	Chi-Chi, Taiwan CHY046 1999	7.62	24	442.15	Reverse O	19.1	3.15	RSN1208_CHICHI_CHY046-E.AT2 RSN1208_CHICHI_CHY046-N.AT2 RSN1208_CHICHI_CHY046-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	2.1	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.66	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.92	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	2.34	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	3.75	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.14	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2.32	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	2.31	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.99	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3751	Cape Mendocino South Bay Union School 1992	7.01	33	459.04	Reverse	7.8	3.08	RSN3751_CAPEMEND_SBH270.AT2 RSN3751_CAPEMEND_SBH360.AT2 RSN3751_CAPEMEND_SBH-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.68	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.49	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4757	Wenchuan, China Dayiyinping 2008	7.9	29	378.93	Reverse O	53.2	3.86	RSN4757_WENCHUAN_UA0921.AT2 RSN4757_WENCHUAN_UA0920.AT2 RSN4757_WENCHUAN_UA0919.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.86	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.58	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	2.92	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.27	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.94	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	3.68	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.18	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.14	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.15	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	3.13	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.54	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.93	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**

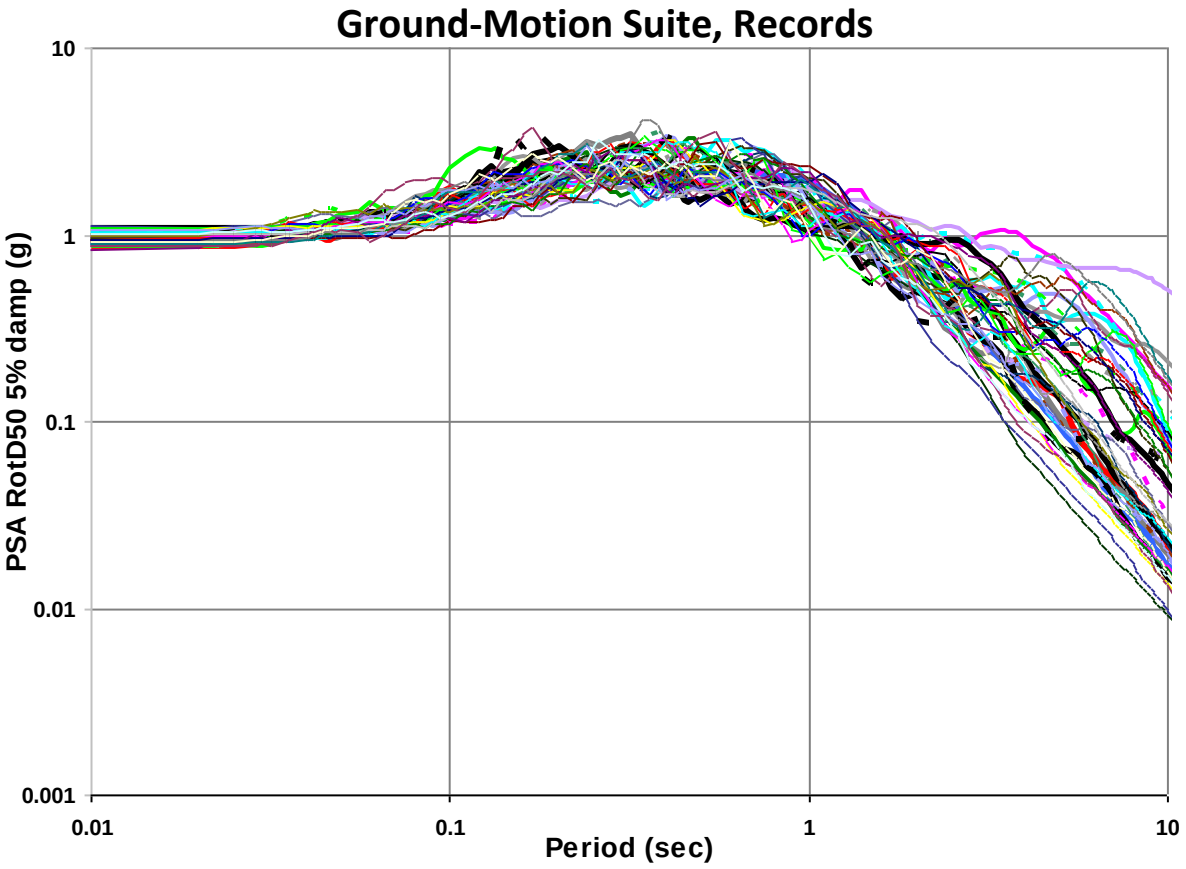
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.93	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.69	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.92	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.94	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.38	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	3.01	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	3.56	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1.3	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.52	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	3.06	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.03	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	2.65	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2

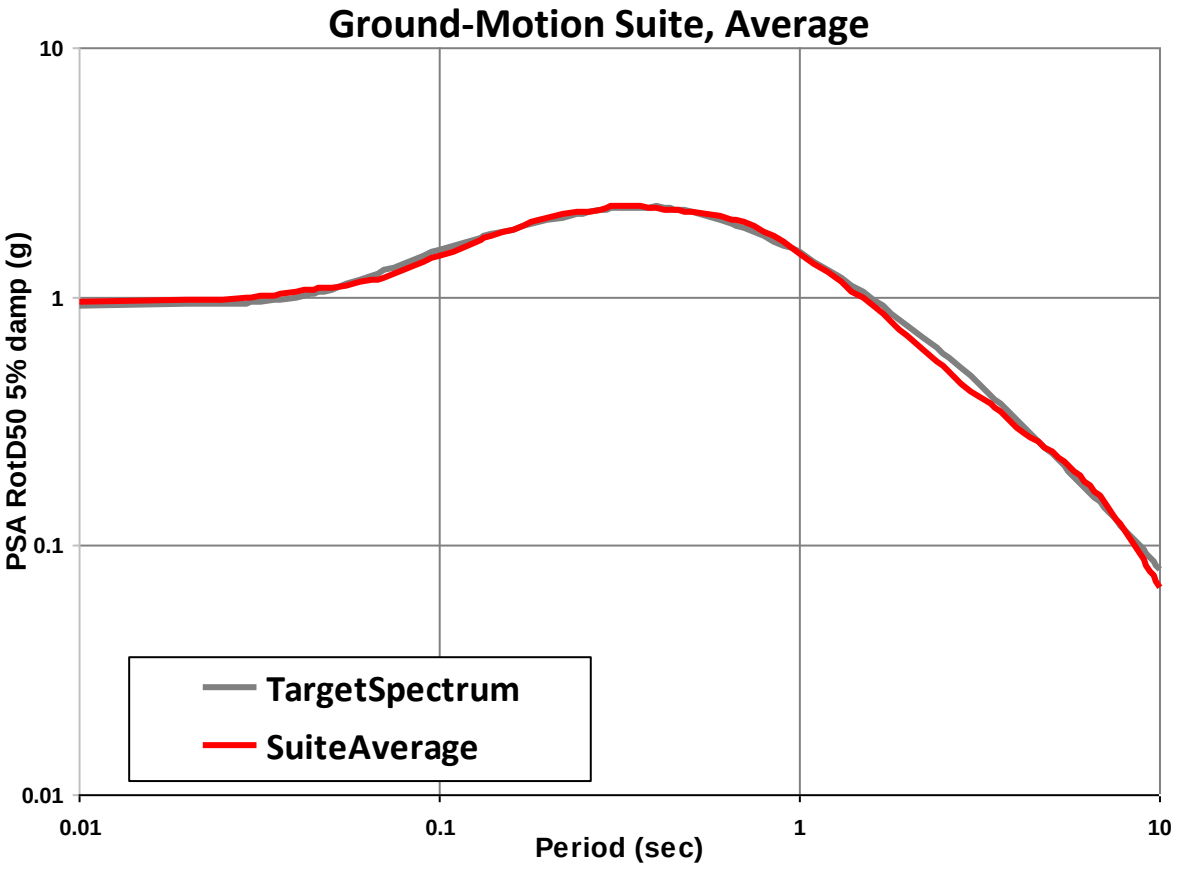
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	3.05	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	3.45	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
900	Landers Yermo Fire Station 1992	7.28	24	353.63	strike slip	8.8	3.27	RSN900_LANDERS_YER270.AT2 RSN900_LANDERS_YER360.AT2 RSN900_LANDERS_YER-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	2.37	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.85	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.46	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	3.06	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.98	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	2.13	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.16	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.11	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.11	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	3	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	2.74	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	3.48	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	3.81	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	3.06	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.49	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	3.02	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1545	Chi-Chi, Taiwan TCU120 1999	7.62	7	459.34	Reverse O	20.7	3.09	RSN1545_CHICHI_TCU120-E.AT2 RSN1545_CHICHI_TCU120-N.AT2 RSN1545_CHICHI_TCU120-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	3.01	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	3.96	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	3.5	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	3.25	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.43	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.76	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	3.81	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.96	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.53	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	3.46	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.85	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.48	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	3.13	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
6969	Darfield, New Zealand Styx Mill Transfer Station 2010	7	21	247.5	strike slip	12.2	3.82	RSN6969_DARFIELD_SMTCN88W.AT2 RSN6969_DARFIELD_SMTCS02W.AT2 RSN6969_DARFIELD_SMTCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.5	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.53	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**

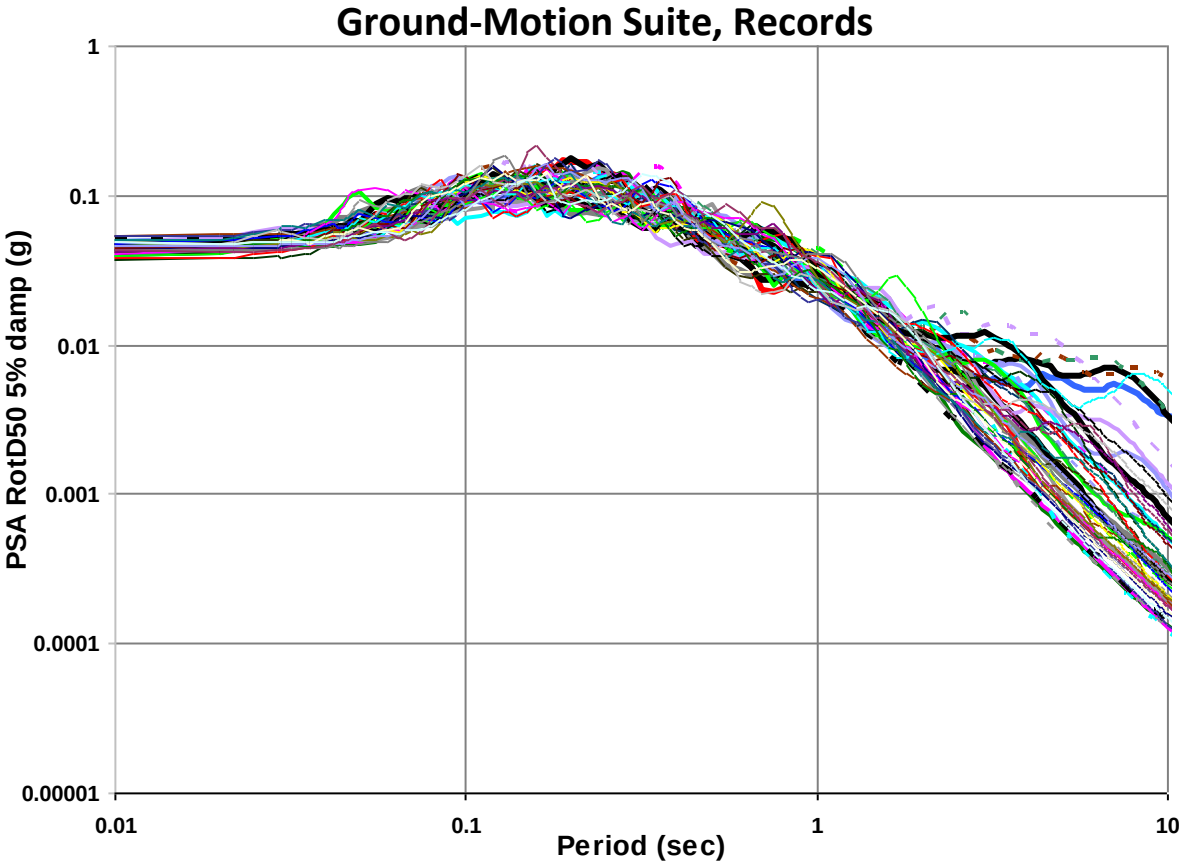
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
165	Imperial Valley-06 Chihuahua 1979	6.53	7	242.05	strike slip	12.9	3.79	RSN165_IMPVALL.H_H-CHI012.AT2 RSN165_IMPVALL.H_H-CHI282.AT2 RSN165_IMPVALL.H_H-CHIDWN.AT2
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	3.27	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.6	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	3.23	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1.77	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	3.41	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
764	Loma Prieta Gilroy - Historic Bldg. 1989	6.93	10	308.55	Reverse O	3.6	3.89	RSN764_LOMAP_GOF160.AT2 RSN764_LOMAP_GOF250.AT2 RSN764_LOMAP_GOF-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.74	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
768	Loma Prieta Gilroy Array #4 1989	6.93	14	221.78	Reverse O	4.5	3.33	RSN768_LOMAP_G04000.AT2 RSN768_LOMAP_G04090.AT2 RSN768_LOMAP_G04-UP.AT2
776	Loma Prieta Hollister - South & Pine 1989	6.93	28	282.14	Reverse O	7	3.3	RSN776_LOMAP_HSP000.AT2 RSN776_LOMAP_HSP090.AT2 RSN776_LOMAP_HSP-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	3.59	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	2.26	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2

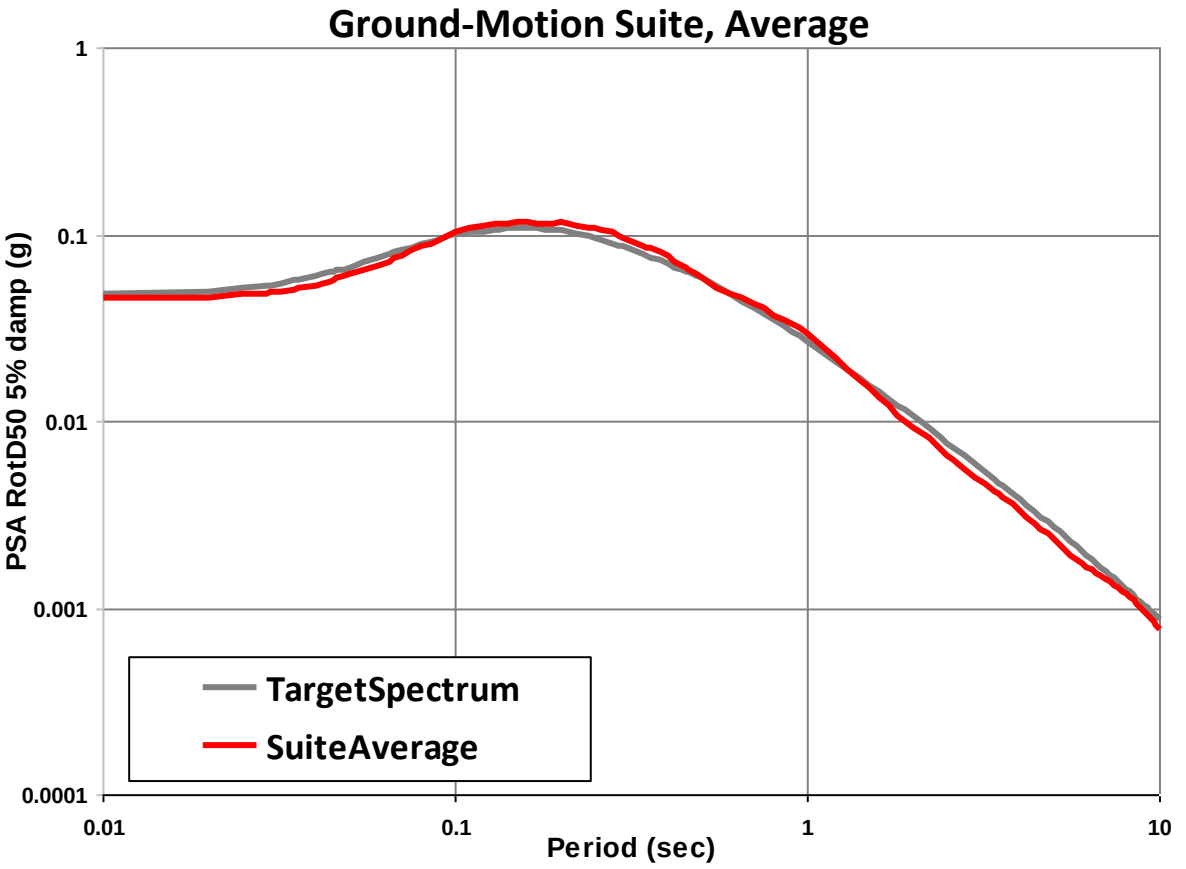
Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	3.21	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
953	Northridge-01 Beverly Hills - 14145 Mulhol 1994	6.69	9	355.81	Reverse	5.4	1.96	RSN953_NORTHR_MUL009.AT2 RSN953_NORTHR_MUL279.AT2 RSN953_NORTHR_MUL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	2.5	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.98	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
1044	Northridge-01 Newhall - Fire Sta 1994	6.69	3	269.14	Reverse	2.8	1.47	RSN1044_NORTHR_NWH090.AT2 RSN1044_NORTHR_NWH360.AT2 RSN1044_NORTHR_NWH-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.32	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	2.88	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.57	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.5	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.51	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	2.97	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1176	Kocaeli, Turkey Yarimca 1999	7.51	1	297	strike slip	6.5	3.46	RSN1176_KOCAELI_YPT060.AT2 RSN1176_KOCAELI_YPT150.AT2 RSN1176_KOCAELI_YPT-UP.AT2
1182	Chi-Chi, Taiwan CHY006 1999	7.62	10	438.19	Reverse O	5.1	2.71	RSN1182_CHICHI_CHY006-N.AT2 RSN1182_CHICHI_CHY006-W.AT2 RSN1182_CHICHI_CHY006-V.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1203	Chi-Chi, Taiwan CHY036 1999	7.62	16	233.14	Reverse O	10.4	3.71	RSN1203_CHICHI_CHY036-E.AT2 RSN1203_CHICHI_CHY036-N.AT2 RSN1203_CHICHI_CHY036-V.AT2
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	2.63	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	3.72	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1504	Chi-Chi, Taiwan TCU067 1999	7.62	1	433.63	Reverse O	9.1	2.33	RSN1504_CHICHI_TCU067-E.AT2 RSN1504_CHICHI_TCU067-N.AT2 RSN1504_CHICHI_TCU067-V.AT2
1505	Chi-Chi, Taiwan TCU068 1999	7.62	0	487.34	Reverse O	6.1	2	RSN1505_CHICHI_TCU068-E.AT2 RSN1505_CHICHI_TCU068-N.AT2 RSN1505_CHICHI_TCU068-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	2.02	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1605	Duzce, Turkey Duzce 1999	7.14	0	281.86	strike slip	7.1	2.21	RSN1605_DUZCE_DZC180.AT2 RSN1605_DUZCE_DZC270.AT2 RSN1605_DUZCE_DZC-UP.AT2
4781	Wenchuan, China Jiangyouchonghua 2008	7.9	27	430.47	Reverse O	18.4	3.16	RSN4781_WENCHUAN_UA1027.AT2 RSN4781_WENCHUAN_UA1028.AT2 RSN4781_WENCHUAN_UA1029.AT2
4853	Chuetsu-oki Joetsu City 2007	6.8	26	294.71	Reverse	14.7	3.68	RSN4853_CHUETSU_65019NS.AT2 RSN4853_CHUETSU_65019EW.AT2 RSN4853_CHUETSU_65019UD.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	3.3	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	2.89	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	1.03	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5814	Iwate Furukawa Osaki City 2008	6.9	31	248.19	Reverse	12.3	3.54	RSN5814_IWATE_44B91NS.AT2 RSN5814_IWATE_44B91EW.AT2 RSN5814_IWATE_44B91UD.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	3.42	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
5988	El Mayor-Cucapah Meloland, E Holton Rd. 2010	7.2	30	196	strike slip	20.9	3.84	RSN5988_SIERRA.MEX_DRE360.AT2 RSN5988_SIERRA.MEX_DRE-90.AT2 RSN5988_SIERRA.MEX_DRE-UP.AT2
6877	Joshua Tree, CA Indio - Jackson Road 1992	6.1	25	292.12	strike slip	4.2	3.52	RSN6877_JOSHUA_5294180.AT2 RSN6877_JOSHUA_5294090.AT2 RSN6877_JOSHUA_5294_UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	3.86	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	2.01	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6923	Darfield, New Zealand Kaiapoi North School 2010	7	31	255	strike slip	9.3	3.33	RSN6923_DARFIELD_KPOCN15E.AT2 RSN6923_DARFIELD_KPOCS75E.AT2 RSN6923_DARFIELD_KPOCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	2.03	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	2.5	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.71	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	3.42	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**

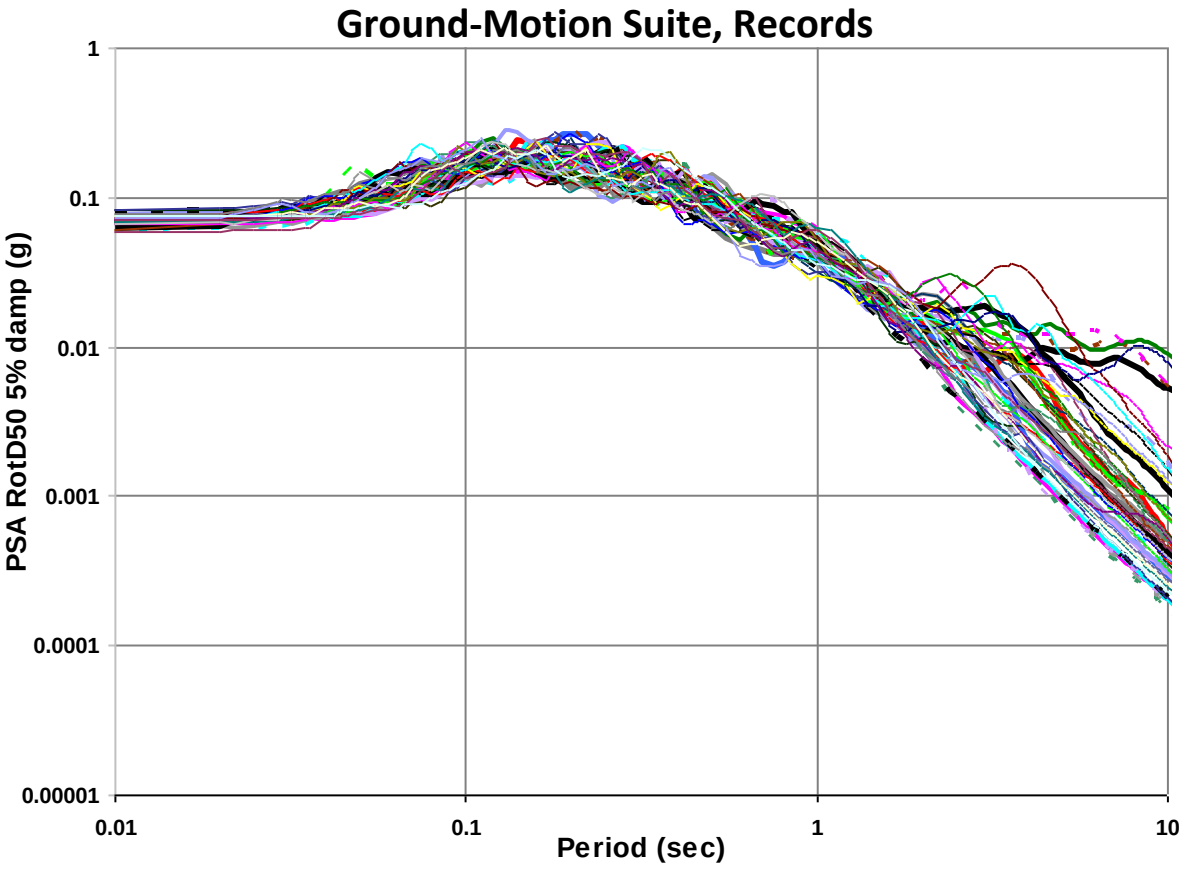
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.29	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.28	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.25	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	1.05	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
237	Mammoth Lakes-03 Long Valley Dam (Downst) 1980	5.91	10	537.16	strike slip	3.2	0.56	RSN237_MAMMOTH.AH_A-LVD000.A RSN237_MAMMOTH.AH_A-LVD090.A RSN237_MAMMOTH.AH_A-LVD-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.54	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	0.67	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.49	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	0.37	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	0.42	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	0.31	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.4	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2

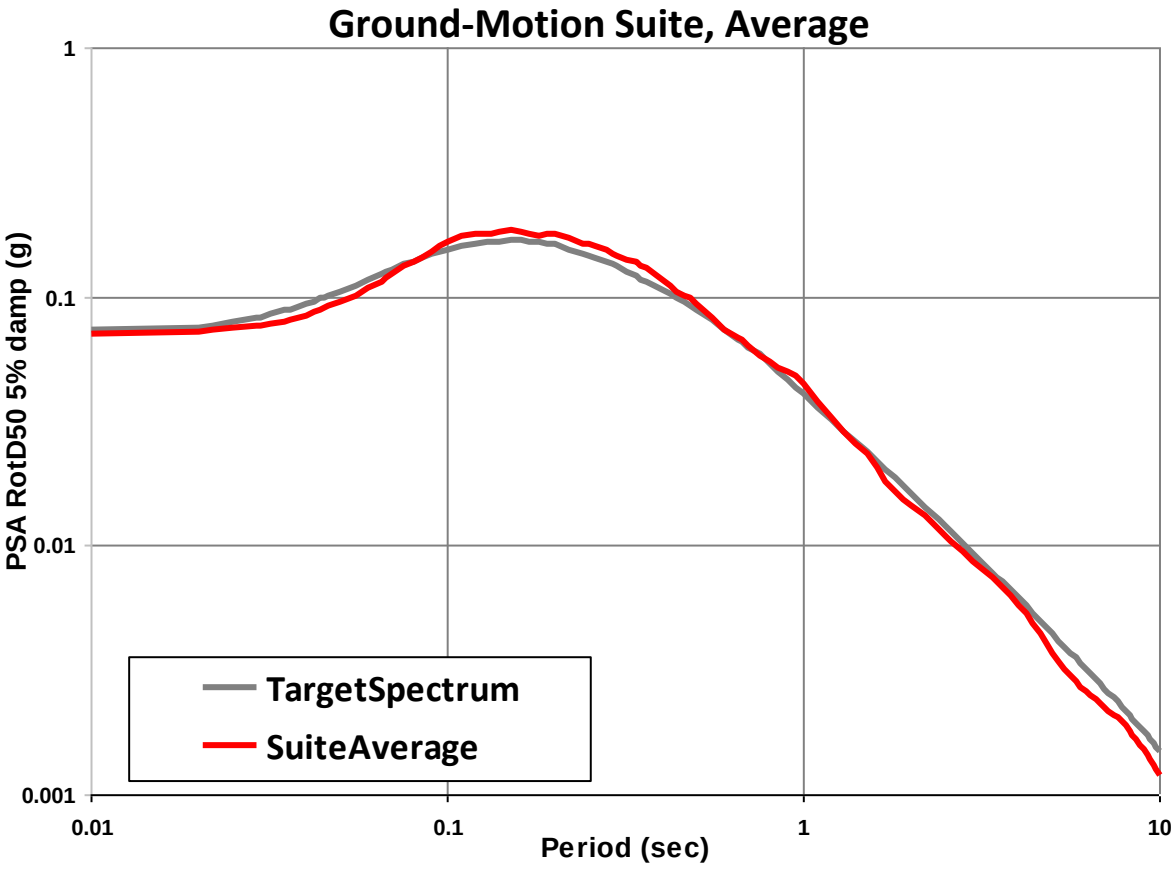
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.45	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.3	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
675	Whittier Narrows-01 Pasadena - CIT Athenaeum 1987	5.99	4	415.13	Reverse O	3	0.3	RSN675_WHITTIER.A_A-PAS180.AT2 RSN675_WHITTIER.A_A-PAS270.AT2 RSN675_WHITTIER.A_A-PAS-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.29	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	0.5	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.32	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	0.5	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.33	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	0.66	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	0.95	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.05	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.26	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.29	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.8	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	0.62	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.32	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.3	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.37	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.31	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.28	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.37	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.35	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4193	Niigata, Japan NGNH29 2004	6.63	45	464.92	Reverse	8.4	0.38	RSN4193_NIIGATA_NGNH29NS.AT2 RSN4193_NIIGATA_NGNH29EW.AT2 RSN4193_NIIGATA_NGNH29UD.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	0.76	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.55	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.72	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.45	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	1.61	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.65	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	0.71	RSN4553_L-AQUILA.B_CW119XTE.AT RSN4553_L-AQUILA.B_CW119YLN.AT RSN4553_L-AQUILA.B_CW119ZUP.AT
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	0.82	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	0.27	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.39	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	0.46	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.53	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8709	40204628 Lick Observatory, Mt. Hamiliton, CA, 2007	5.45	13	710.29	strike slip	2.6	0.68	RSN8709_40204628_BKMHCHLN.AT2 RSN8709_40204628_BKMHCHLE.AT2 RSN8709_40204628_BKMHCHLZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.68	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.57	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

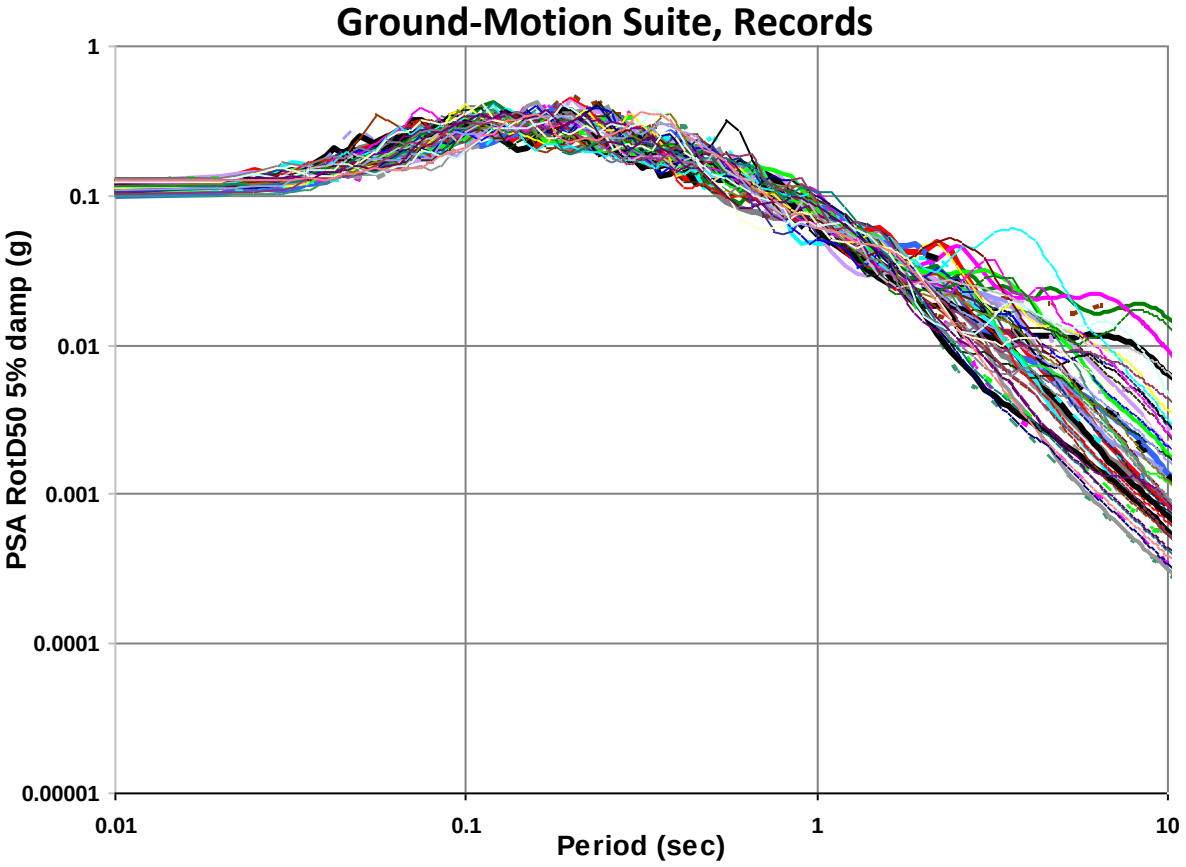
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.45	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.43	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.38	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	1.64	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.37	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.3	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	1.04	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.25	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.77	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.25	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.26	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.34	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2

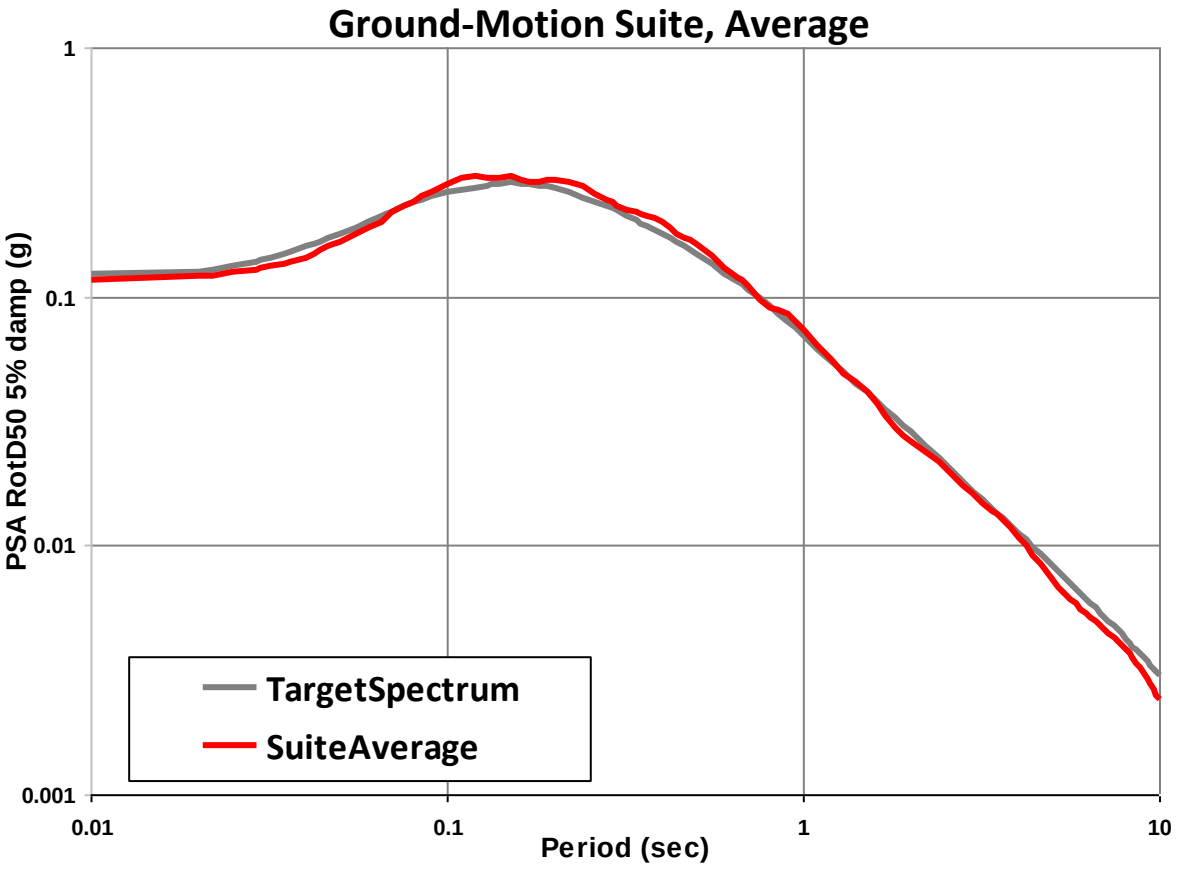
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.62	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.7	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.47	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.38	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.35	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.46	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	0.78	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.5	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	0.77	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.36	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.51	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1.03	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	1.47	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.63	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.25	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	0.97	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.5	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.46	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.58	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.48	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.43	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.25	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.58	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.55	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	1.18	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.85	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	2.51	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.01	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.34	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.26	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.34	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.27	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.27	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	1.27	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.6	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.82	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.06	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.89	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

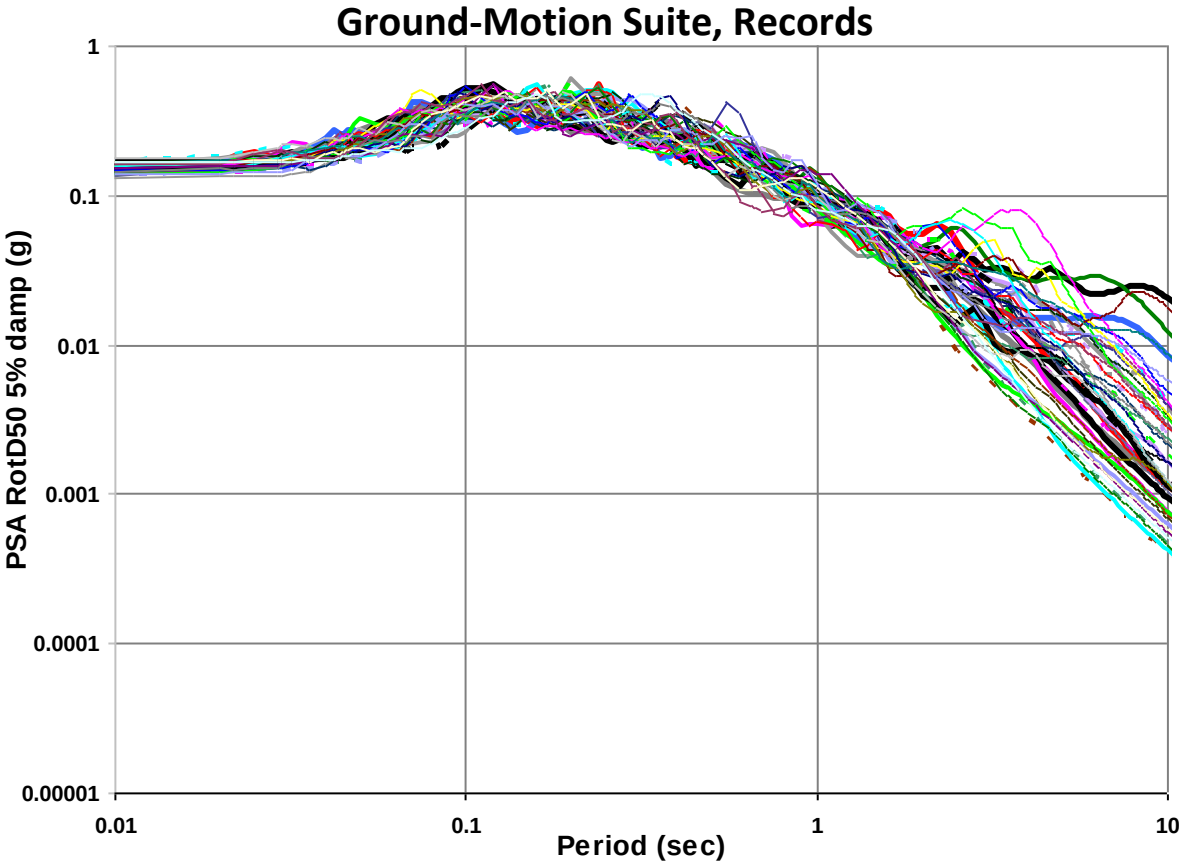
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.77	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.73	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.65	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	2.78	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.26	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.5	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.31	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.42	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.58	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.35	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.05	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.19	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

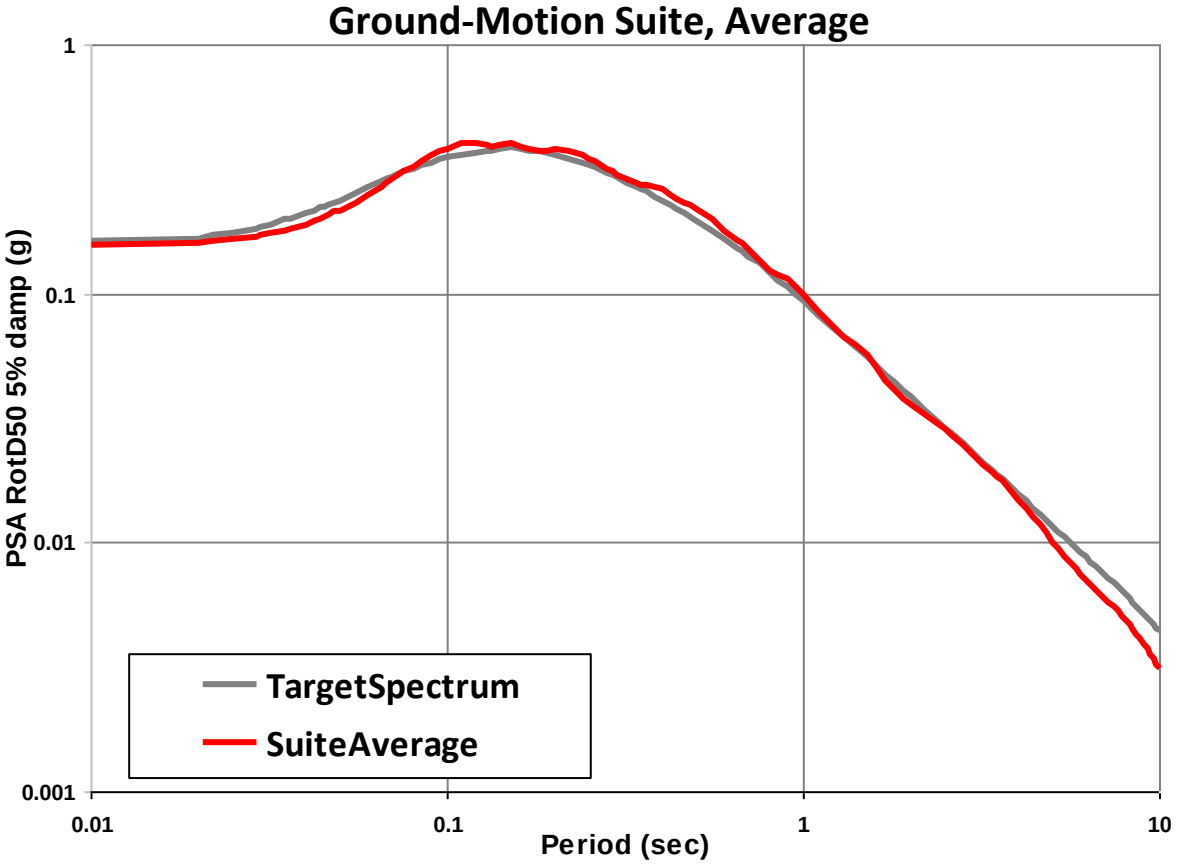
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.81	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.32	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.37	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.32	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.33	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.85	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	1.31	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.61	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1.75	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	2.5	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	2.77	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.38	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.12	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	1.65	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.85	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.98	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.82	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.73	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.43	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.99	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.94	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.31	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.44	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	0.25	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.71	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.32	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.28	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.28	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.58	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.44	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.58	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.46	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.47	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	2.16	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.41	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.02	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	0.33	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.79	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	1.51	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

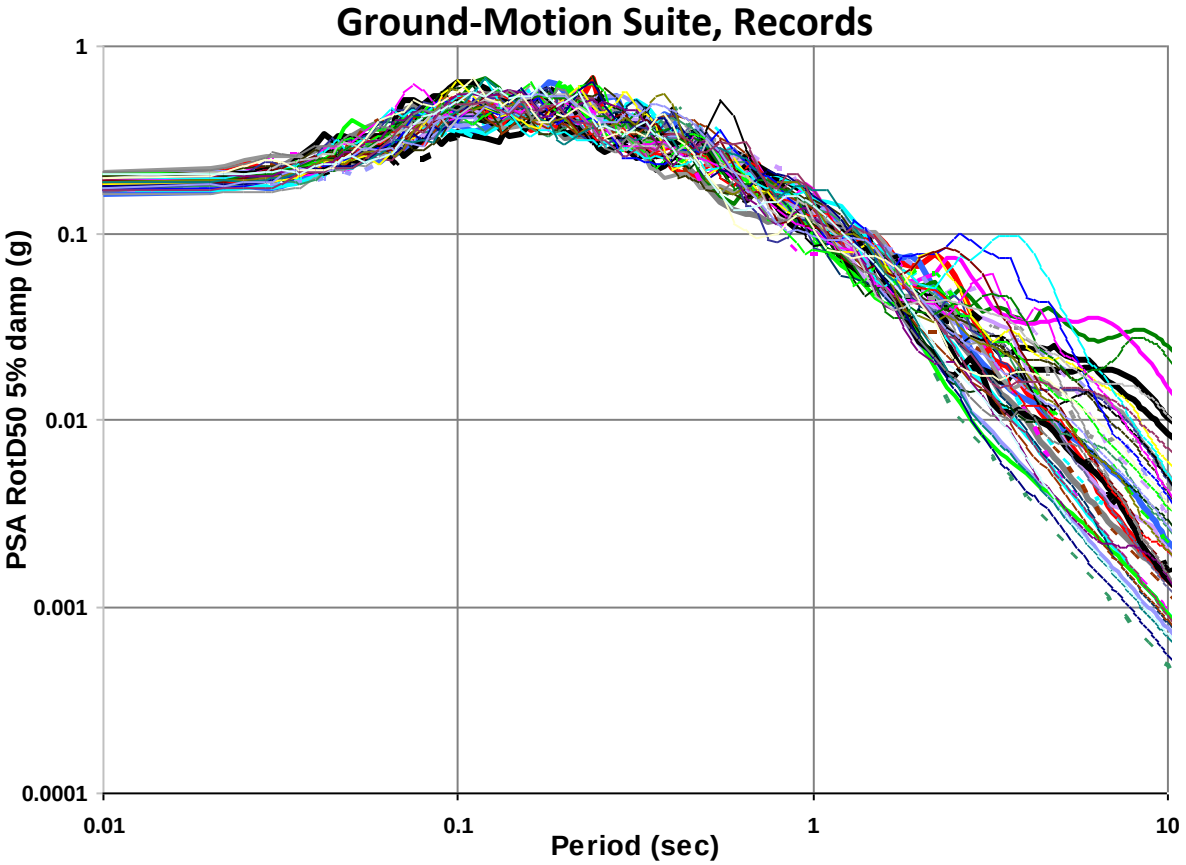
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.02	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.97	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.87	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	3.69	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.34	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.67	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.74	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.56	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.46	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.4	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.58	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.07	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

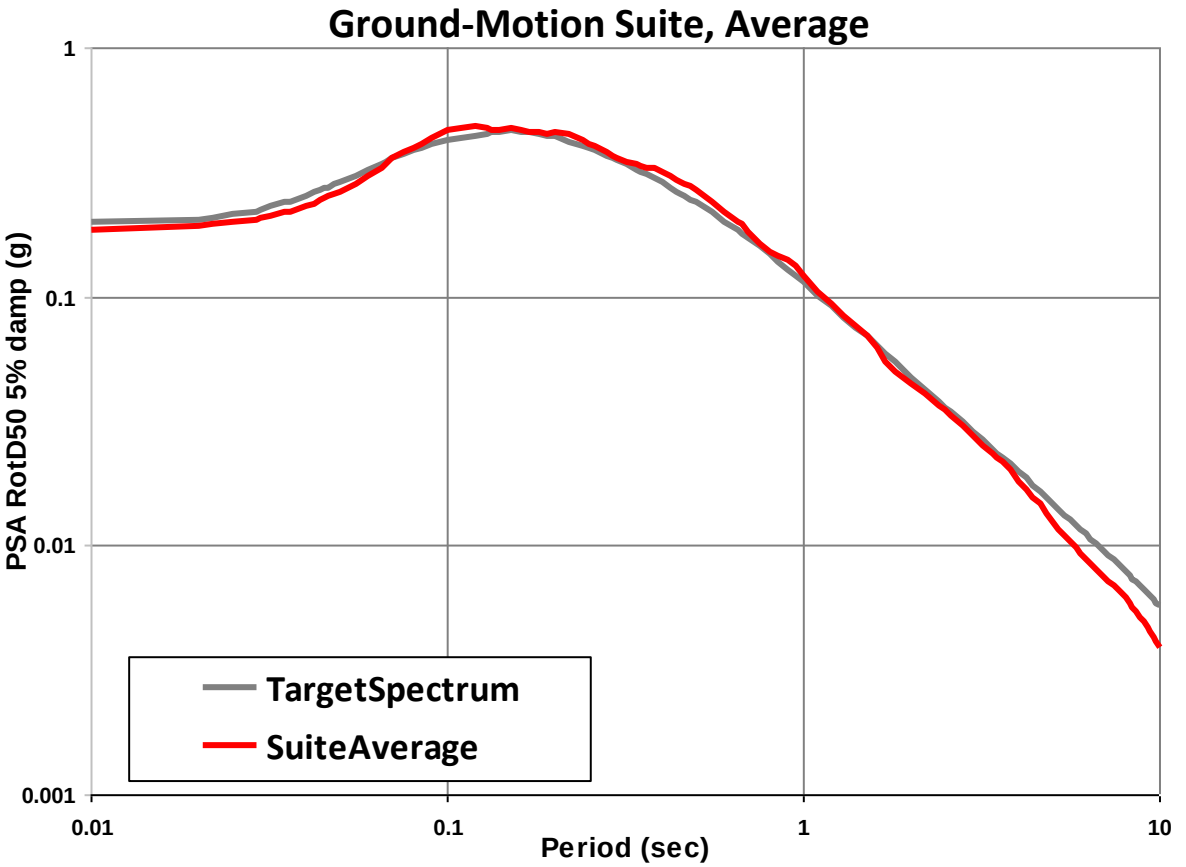
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.42	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.49	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.42	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.43	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	1.74	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.82	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	2.33	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	3.32	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.9	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.5	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.82	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.13	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.3	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.32	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.09	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.97	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.57	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.32	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.25	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.28	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.41	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.92	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.27	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.28	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.42	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.37	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.37	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.77	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.3	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.58	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.78	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.61	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.62	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	2.87	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.55	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.36	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.38	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	2.01	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

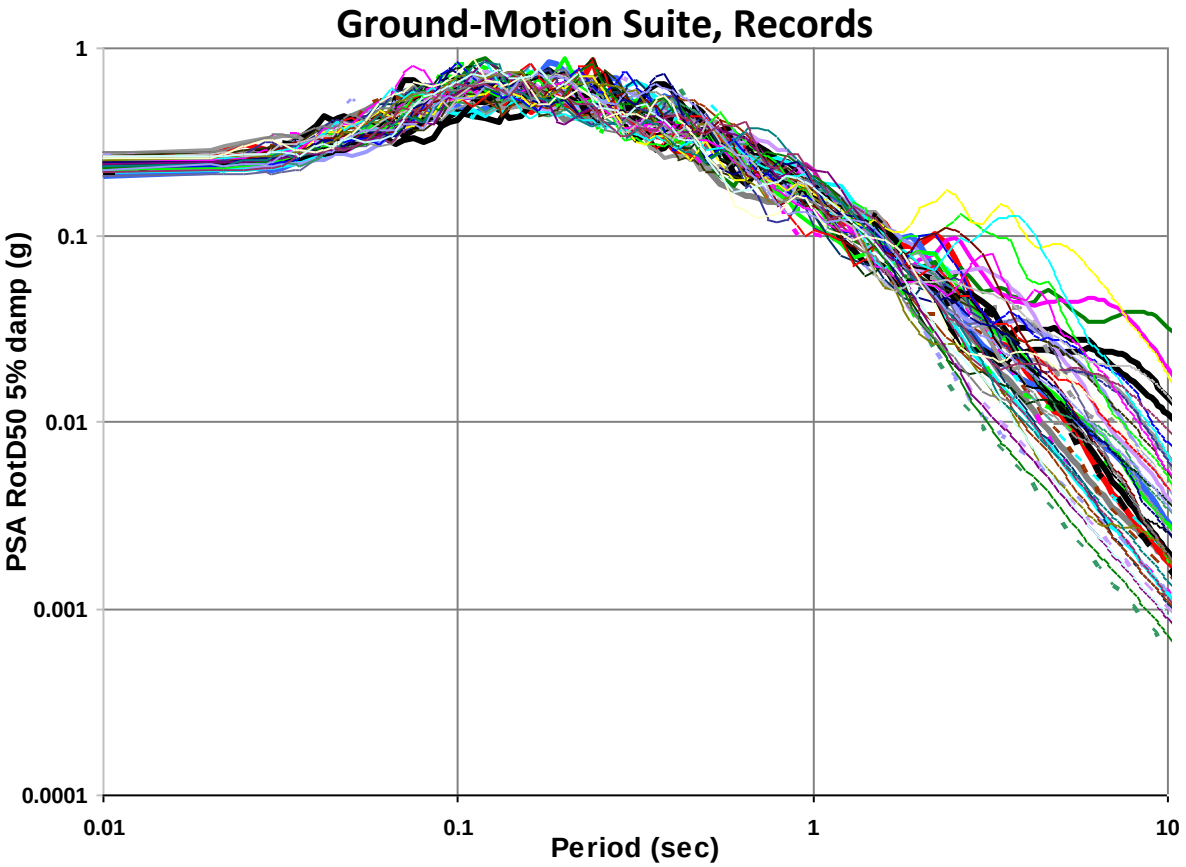
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.24	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.18	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.05	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.41	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.01	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.81	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.11	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.68	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.56	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.7	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.92	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.3	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

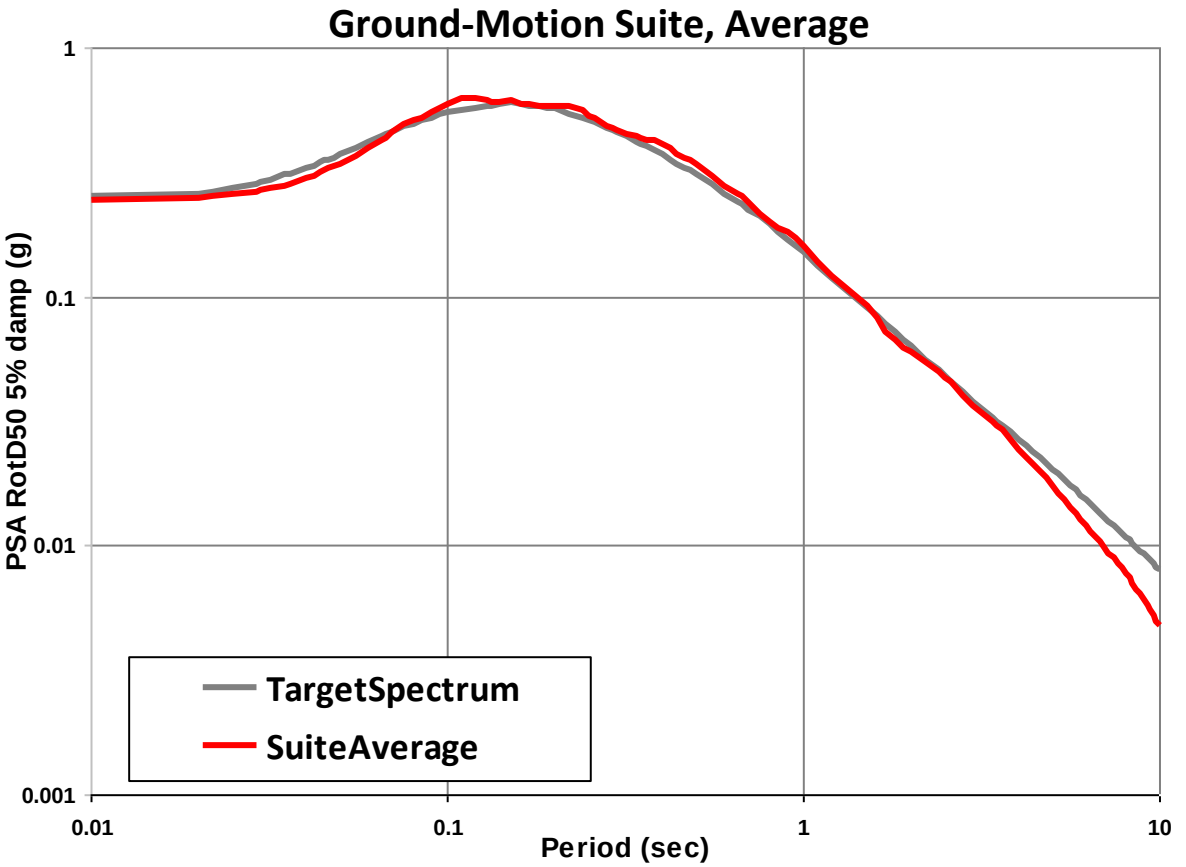
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.51	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.6	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.51	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.53	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.26	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	2.11	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.99	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	2.82	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.09	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	3.42	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.37	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.58	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.39	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.32	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.18	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.69	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.6	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.51	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.29	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.34	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.49	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.33	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.33	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.76	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.51	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.45	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.45	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.93	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.36	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.71	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.94	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.74	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.75	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	3.48	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.67	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.64	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.89	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

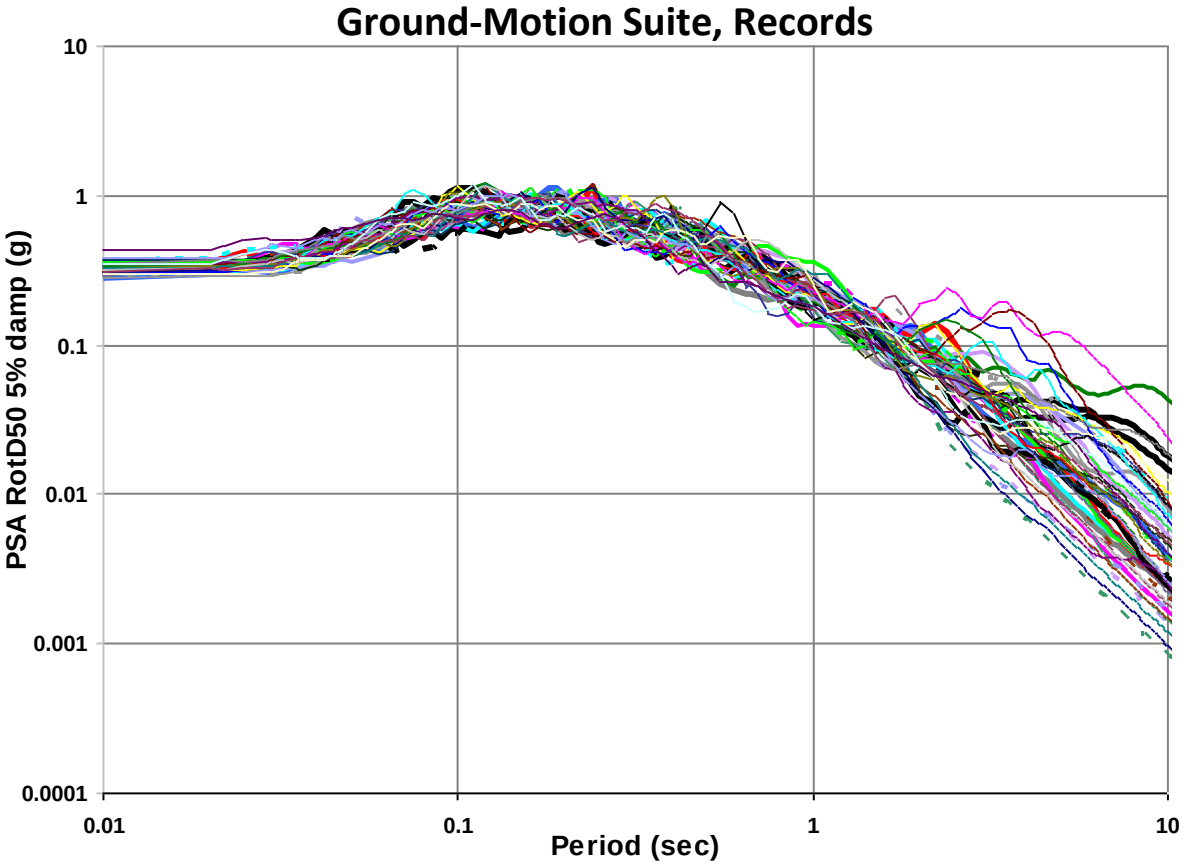
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.61	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.53	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.37	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.54	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.31	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.05	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.73	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.88	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.73	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.21	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	2.48	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.68	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

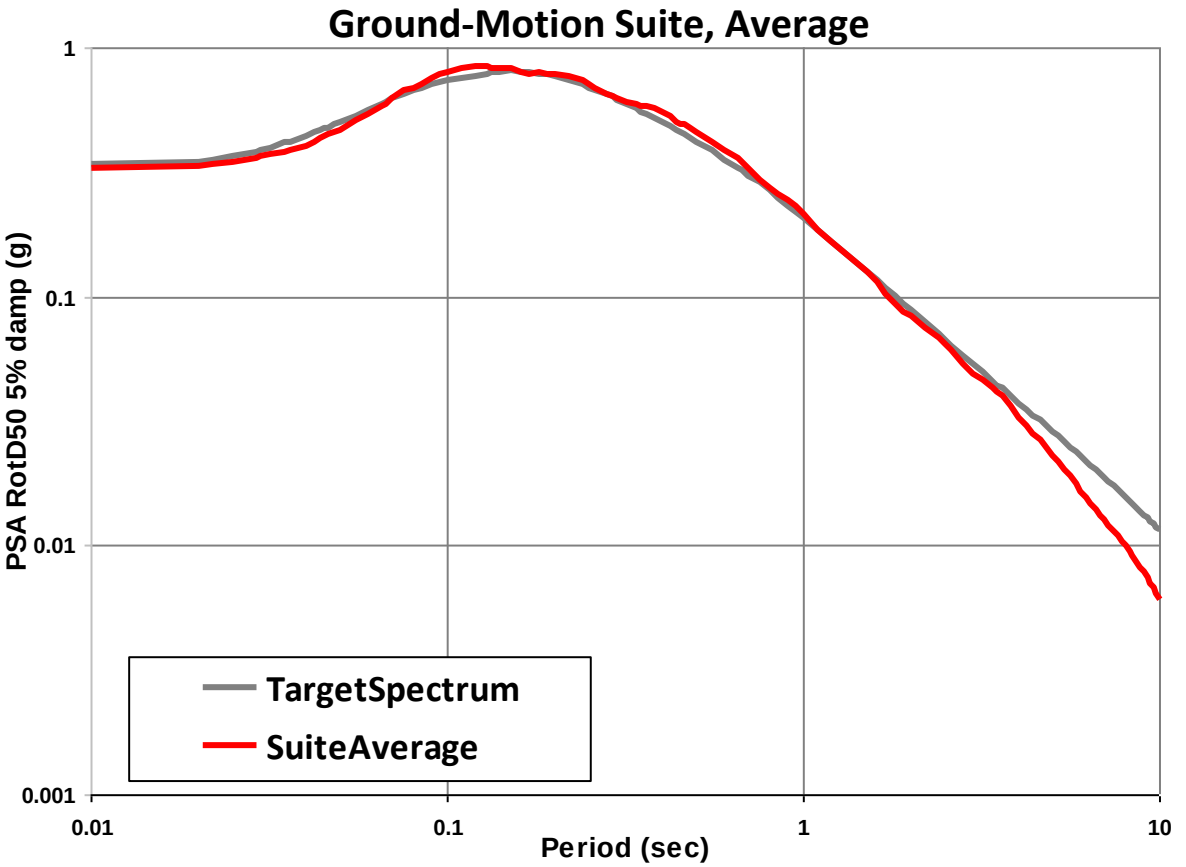
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.35	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.67	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.78	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.66	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.68	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.33	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	2.74	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.29	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	3.66	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.42	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.78	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.05	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.51	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.72	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.53	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.89	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.07	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.96	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.7	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.38	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.44	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.64	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.02	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.42	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	3.58	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.66	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.58	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.21	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.47	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.92	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	2.59	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.22	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.96	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.97	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.86	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	2.13	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	3.75	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**

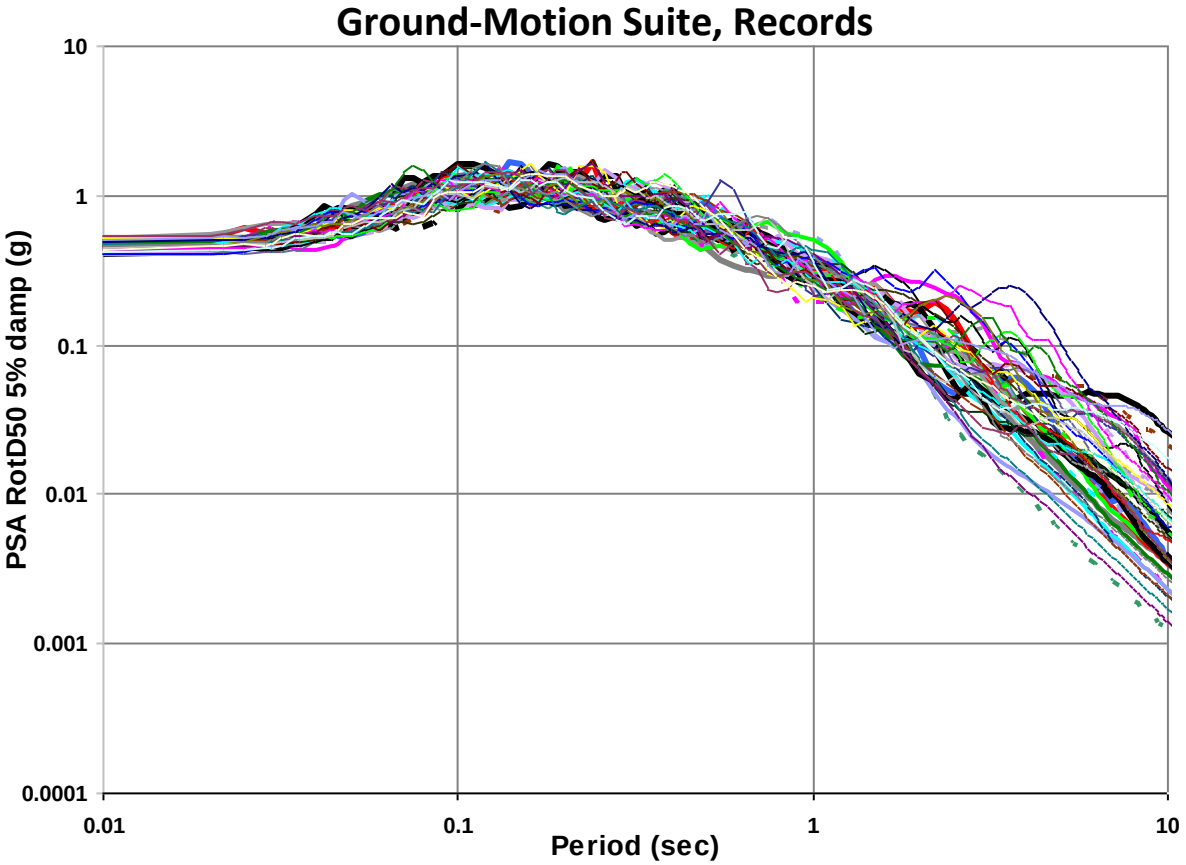
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.18	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	2.08	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.85	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.73	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.78	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.43	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	3.7	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.54	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.19	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.99	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.99	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	3.37	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

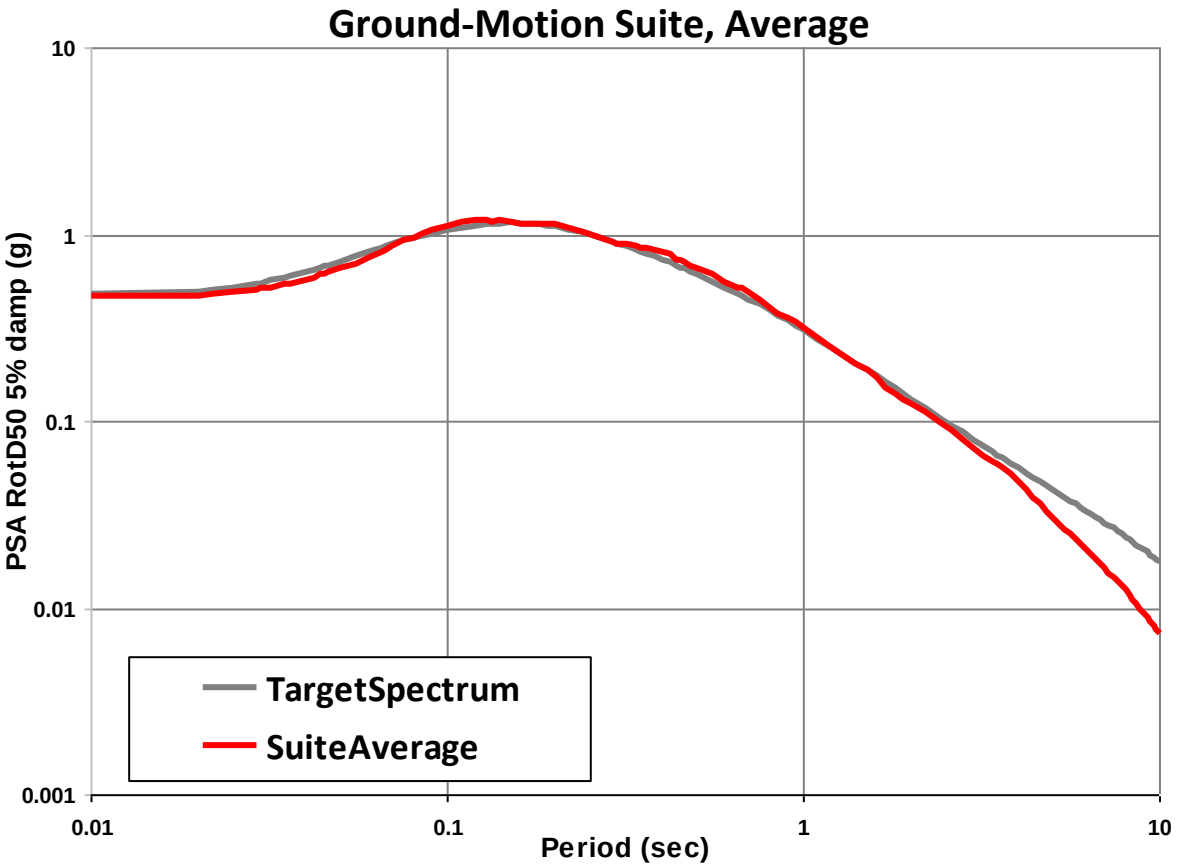
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.28	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.83	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.9	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.05	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.3	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.9	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.93	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.45	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	3.71	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.74	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.92	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	3.51	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.41	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.78	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.69	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	2.33	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.07	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.21	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.81	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.66	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.95	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.51	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.6	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.87	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.58	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	3.41	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.9	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.79	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.79	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.64	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.63	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.25	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	3.51	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.66	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.3	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.32	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.17	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	2.89	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**

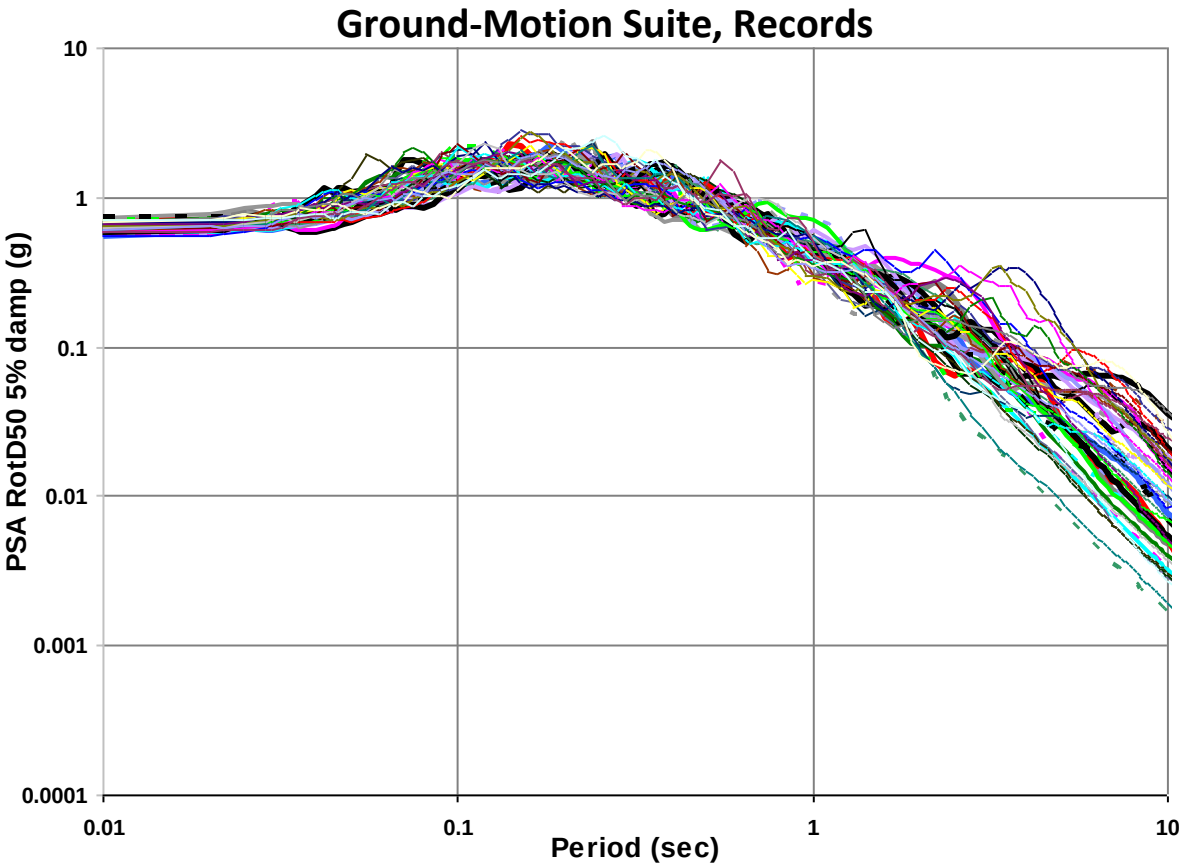
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	3.13	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	2.97	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.66	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.04	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.56	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.05	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	2.37	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.21	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.71	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.42	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	3.27	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.62	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

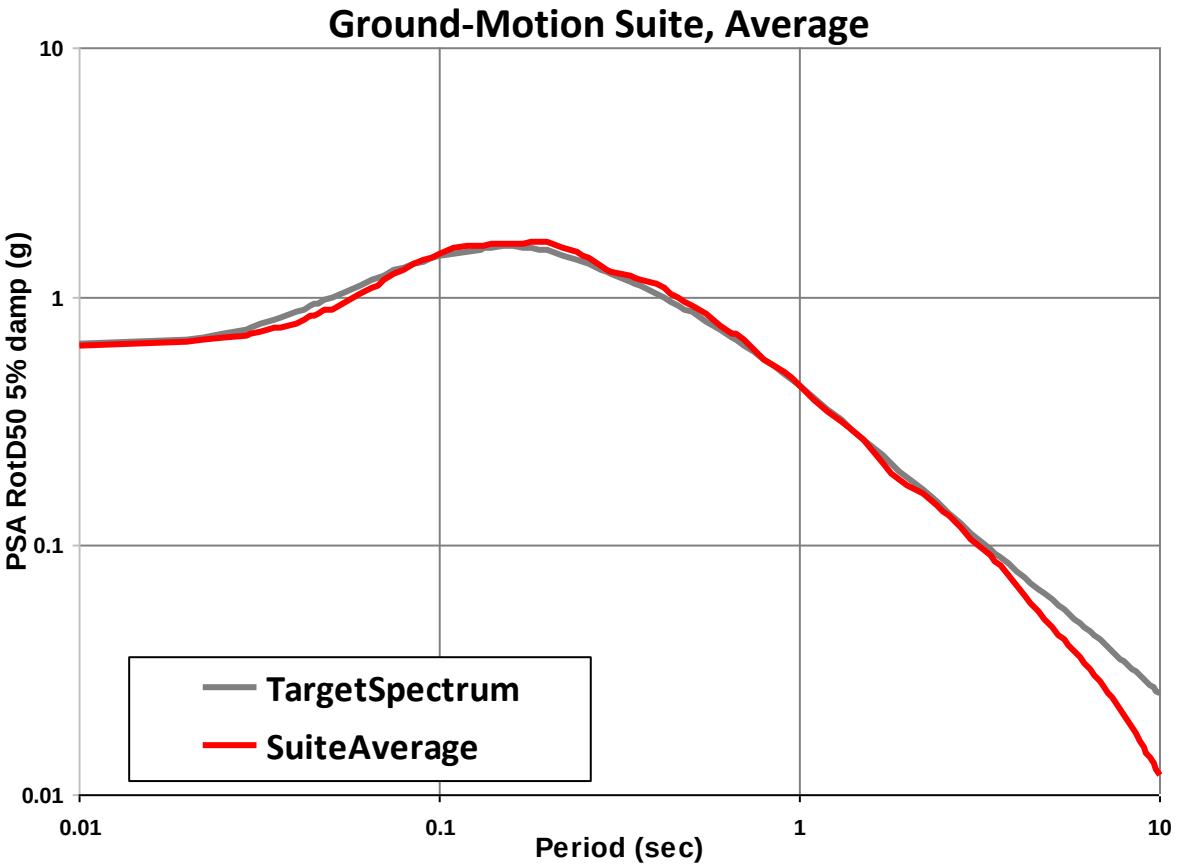
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.29	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.51	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.29	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	2.45	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	1.33	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.65	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.5	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.77	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	2.75	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	3.45	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.55	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.99	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	3.33	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.97	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.74	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	3.81	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.36	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.74	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.86	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.25	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.48	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.83	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.29	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.13	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	3.04	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.13	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
5494	Iwate AKTH18 2008	6.9	47	431	Reverse	8.1	3.75	RSN5494_IWATE_AKTH18NS.AT2 RSN5494_IWATE_AKTH18EW.AT2 RSN5494_IWATE_AKTH18UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.47	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	2.35	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.91	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.35	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.79	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	2.37	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.86	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.89	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	2.85	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.68	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**

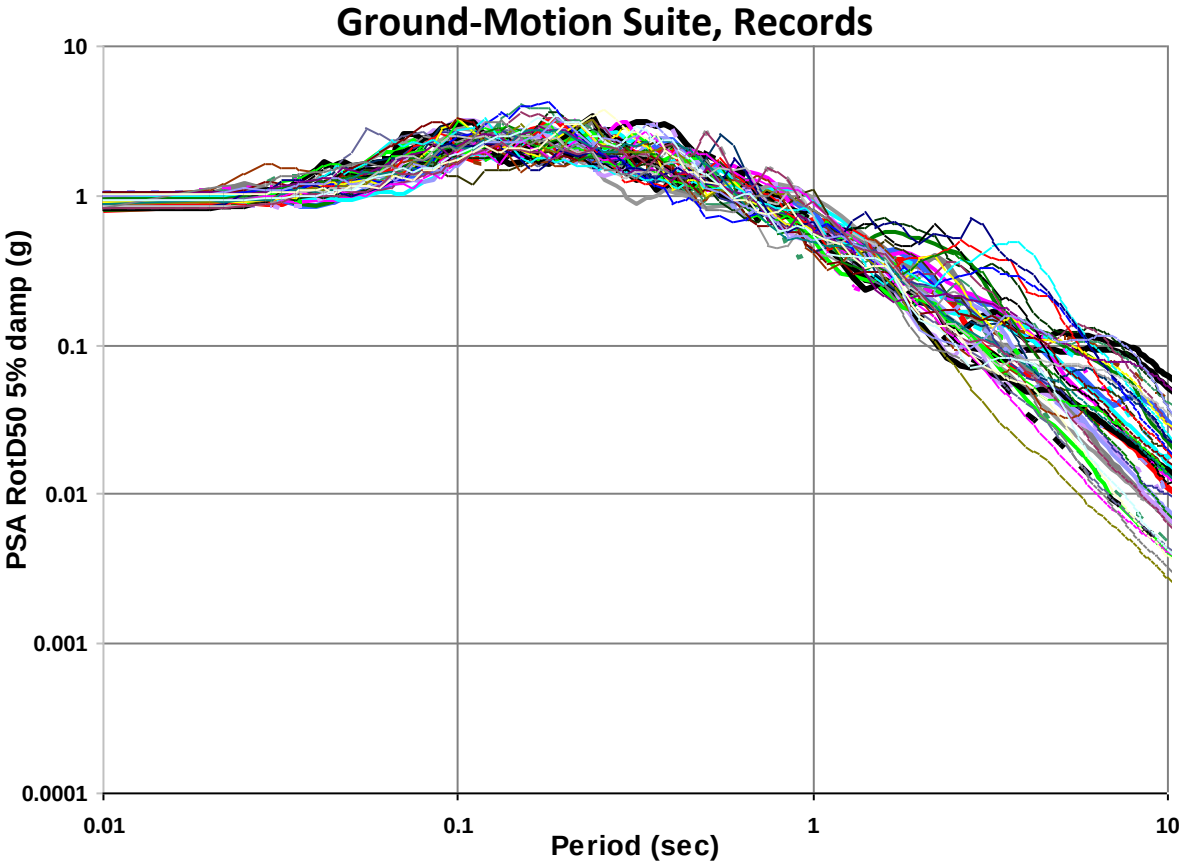
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.76	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	3.67	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.44	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	3.53	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.83	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	3.27	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	3.06	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	2.36	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.96	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	3.62	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.79	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.08	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2

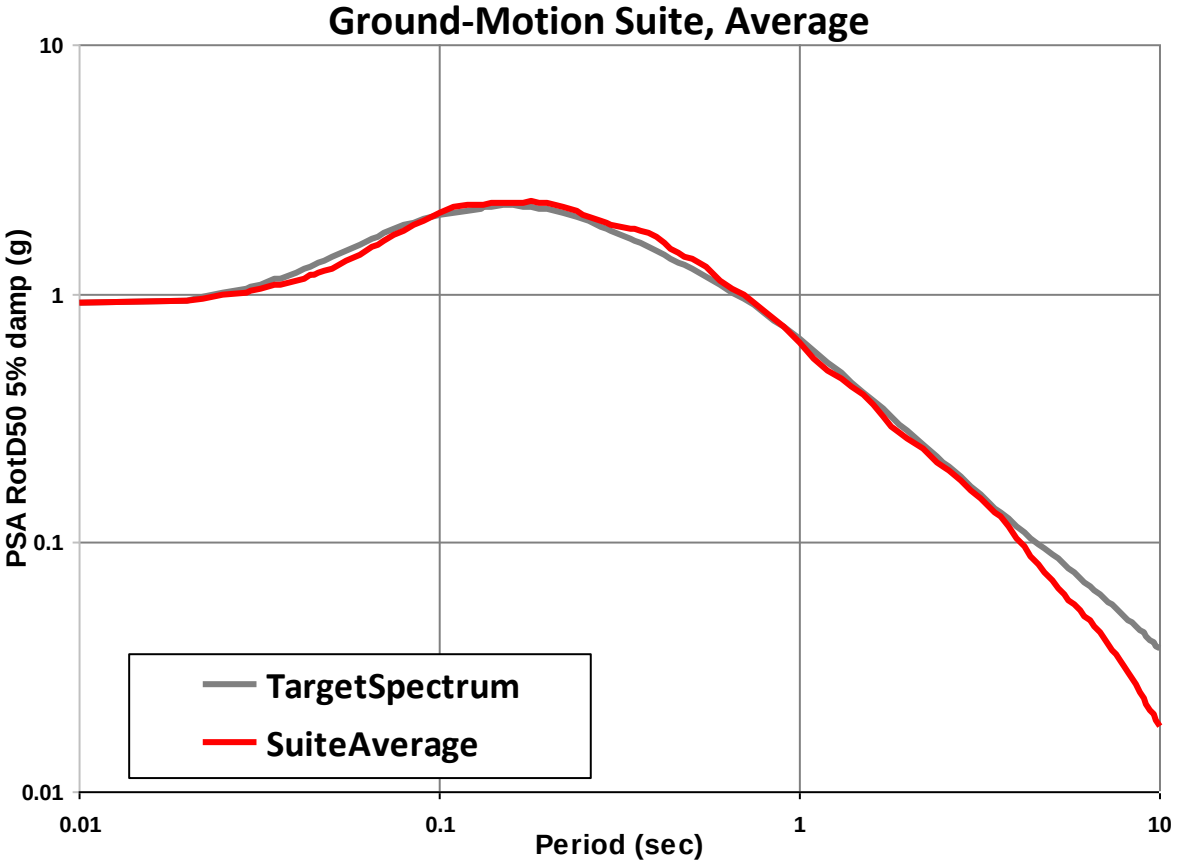
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.31	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.78	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	3.38	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	1.83	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.9	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	3.45	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.07	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	3.8	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	2.12	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	2.83	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	3.52	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.36	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.4	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.88	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.02	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.19	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.72	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	3.43	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.14	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	1.42	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.78	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.56	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4787	Wenchuan, China Jiangyoudizhentai 2008	7.9	23	475.59	Reverse O	27.2	1.33	RSN4787_WENCHUAN_UA1048.AT2 RSN4787_WENCHUAN_UA1049.AT2 RSN4787_WENCHUAN_UA1050.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	3.52	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	2.14	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.57	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.03	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	3.25	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.25	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.48	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.47	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	3.28	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.57	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5799	Iwate Misato, Akita City - Tsuchizaki 2008	6.9	40	552.38	Reverse	6.5	3.7	RSN5799_IWATE_55432NS.AT2 RSN5799_IWATE_55432EW.AT2 RSN5799_IWATE_55432UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.61	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	2.32	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	1.84	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2

Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	**07 LosAngeles**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**

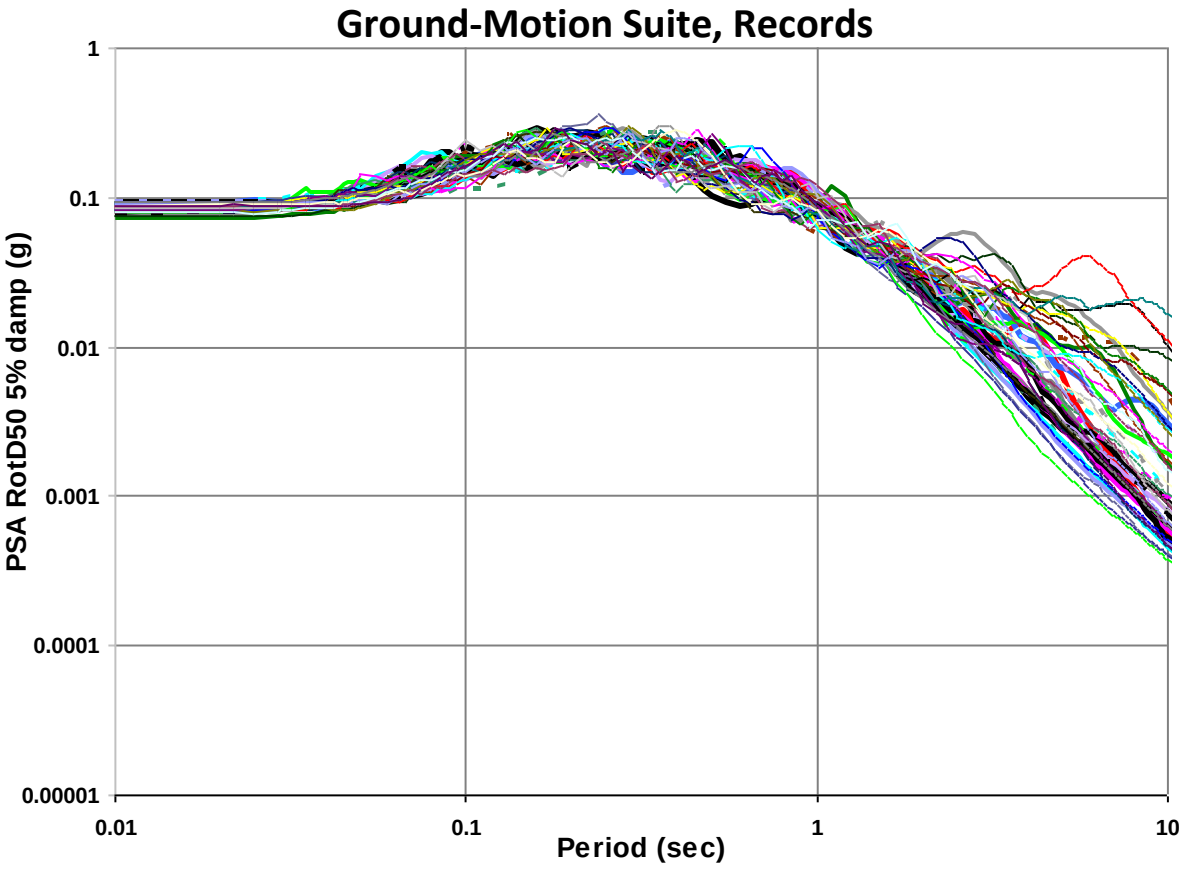
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	3.28	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	2.53	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal	6.9	2.07	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	3.41	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse	2.1	2.82	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse	1.5	2.58	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse	6.3	3	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
811	Loma Prieta WAHO 1989	6.93	11	388.33	Reverse	7	1.5	RSN811_LOMAP_WAH000.AT2 RSN811_LOMAP_WAH090.AT2 RSN811_LOMAP_WAH-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.88	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
990	Northridge-01 LA - City Terrace 1994	6.69	35	365.22	Reverse	6	3.44	RSN990_NORTHR_LAC090.AT2 RSN990_NORTHR_LAC180.AT2 RSN990_NORTHR_LAC-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	2.56	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse	8.5	2.64	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2

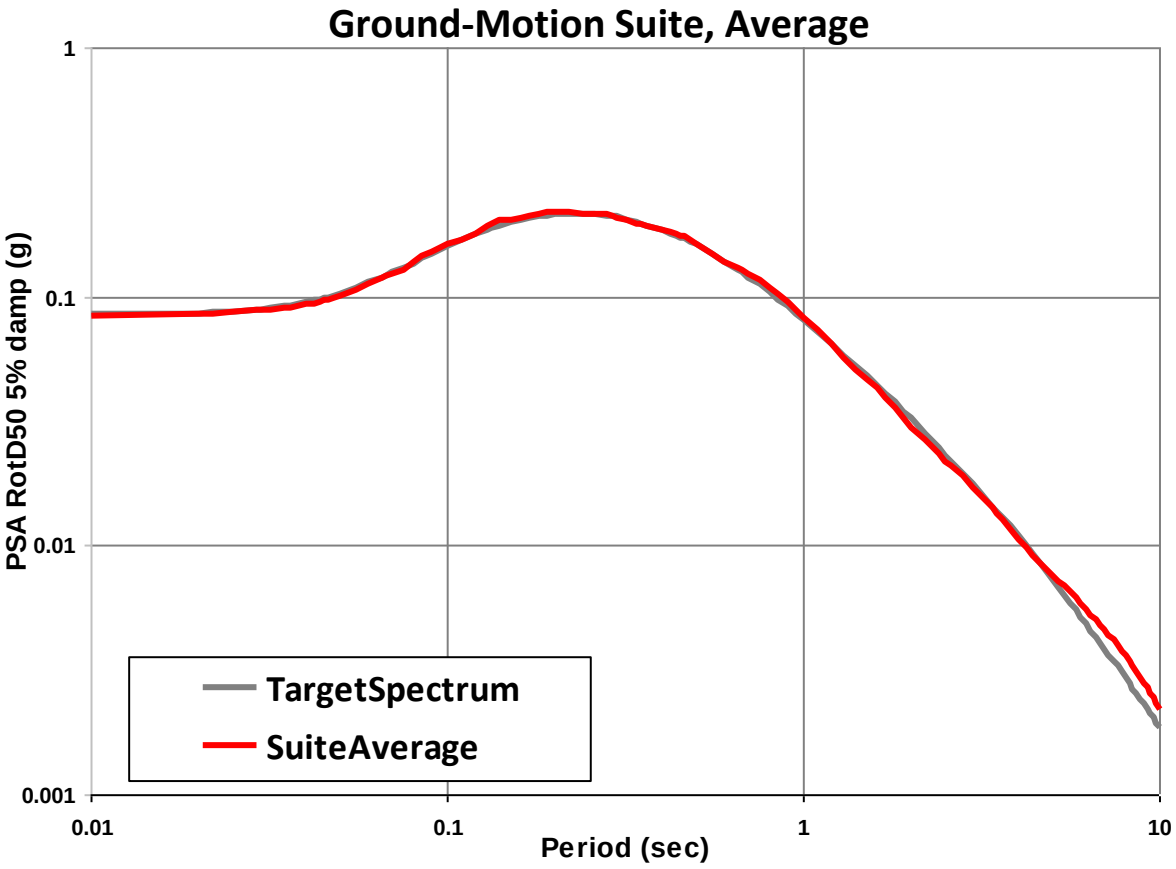
Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
1524	Chi-Chi, Taiwan TCU095 1999	7.62	45	446.63	Reverse O	8.3	1.71	RSN1524_CHICHI_TCU095-E.AT2 RSN1524_CHICHI_TCU095-N.AT2 RSN1524_CHICHI_TCU095-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	1.29	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.54	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	2.04	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	3.05	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	2.54	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.96	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	2.5	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	3.24	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	2.79	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	3.46	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	2.71	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.47	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.72	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	2.48	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.64	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	2.04	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	2.57	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	2.24	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4787	Wenchuan, China Jiangyoudizhentai 2008	7.9	23	475.59	Reverse O	27.2	1.92	RSN4787_WENCHUAN_UA1048.AT2 RSN4787_WENCHUAN_UA1049.AT2 RSN4787_WENCHUAN_UA1050.AT2
4848	Chuetsu-oki Joetsu Ogataku 2007	6.8	17	414.23	Reverse	4.9	3.46	RSN4848_CHUETSU_65011NS.AT2 RSN4848_CHUETSU_65011EW.AT2 RSN4848_CHUETSU_65011UD.AT2
4858	Chuetsu-oki Tokamachi Chitosecho 2007	6.8	25	640.14	Reverse	4.3	3.82	RSN4858_CHUETSU_65028NS.AT2 RSN4858_CHUETSU_65028EW.AT2 RSN4858_CHUETSU_65028UD.AT2
4873	Chuetsu-oki Kashiwazaki City Takayanagicho 2007	6.8	10	561.59	Reverse	3.5	1.78	RSN4873_CHUETSU_65056NS.AT2 RSN4873_CHUETSU_65056EW.AT2 RSN4873_CHUETSU_65056UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	3.09	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	2.26	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.93	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2

Site	07 LosAngeles							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.8	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.69	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5663	Iwate MYG004 2008	6.9	20	479.37	Reverse	7	1.43	RSN5663_IWATE_MYG004NS.AT2 RSN5663_IWATE_MYG004EW.AT2 RSN5663_IWATE_MYG004UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	3.56	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	3.69	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	3.7	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	3.76	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	2.74	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	3.34	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	2.65	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	3.21	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

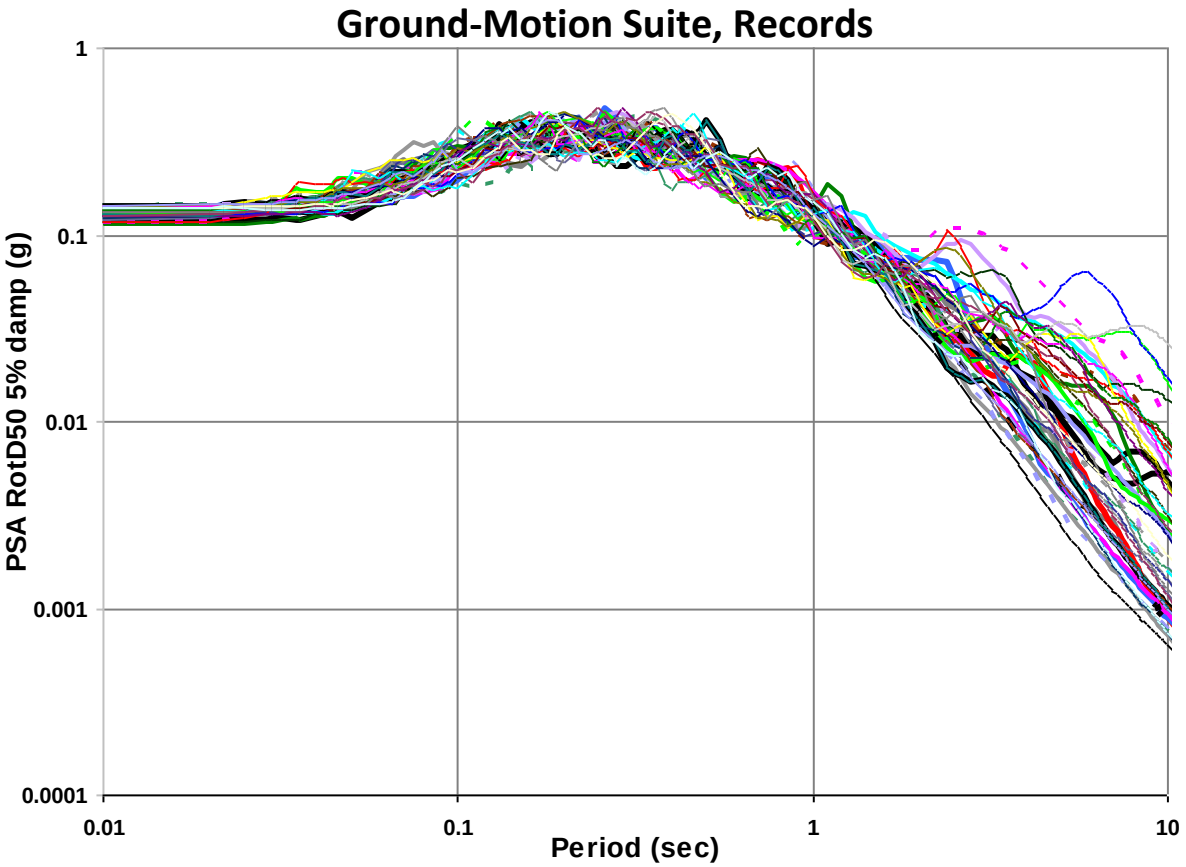
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	1.9	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	0.32	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.39	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.25	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
147	Coyote Lake Gilroy Array #2 1979	5.74	8	270.84	strike slip	1.4	0.33	RSN147_COYOTELK_G02050.AT2 RSN147_COYOTELK_G02140.AT2 RSN147_COYOTELK_G02-UP.AT2
154	Coyote Lake San Juan Bautista, 24 Polk St 1979	5.74	19	335.5	strike slip	6.1	0.92	RSN154_COYOTELK_SJB213.AT2 RSN154_COYOTELK_SJB303.AT2 RSN154_COYOTELK_SJB-UP.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.36	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.42	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.5	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.13	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.33	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	0.5	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A

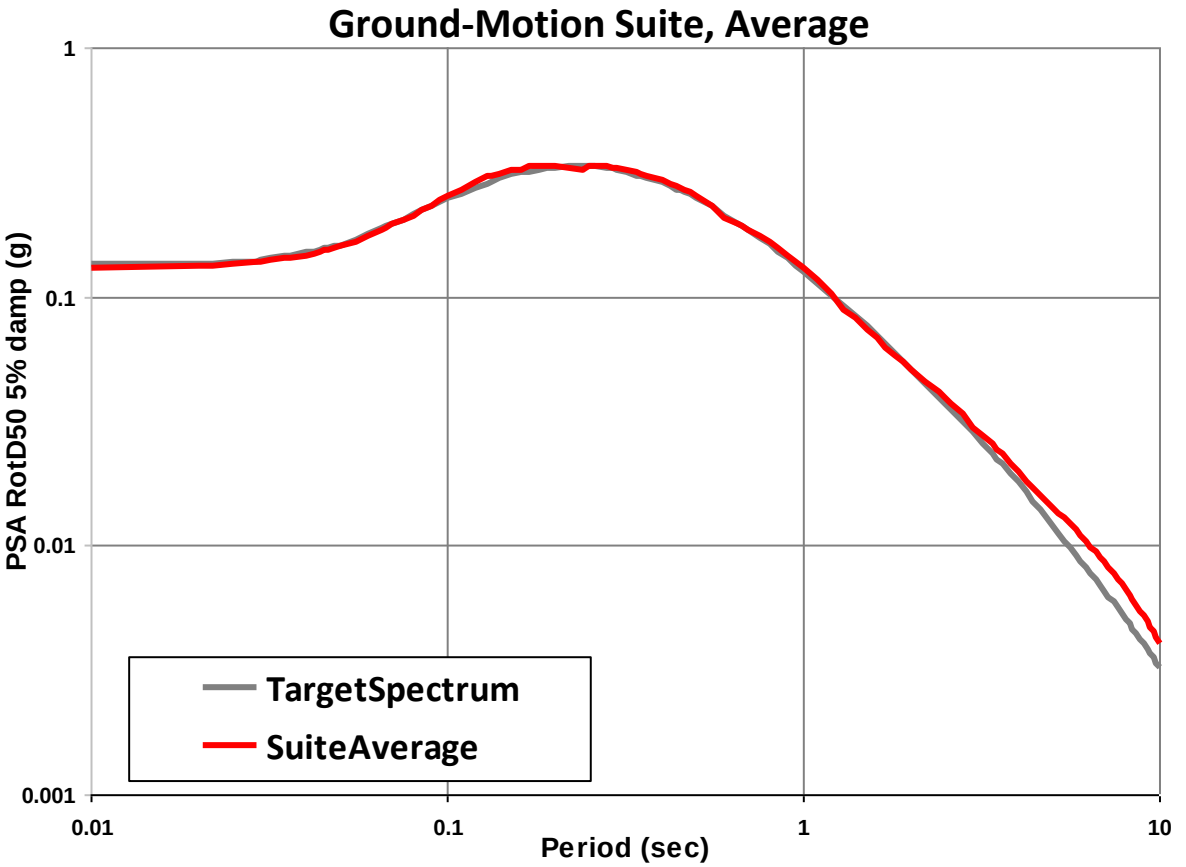
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
457	Morgan Hill Gilroy Array #3 1984	6.19	13	349.85	strike slip	6.5	0.47	RSN457_MORGAN_G03000.AT2 RSN457_MORGAN_G03090.AT2 RSN457_MORGAN_G03-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.39	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	1.37	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
634	Whittier Narrows-01 LA - Fletcher Dr 1987	5.99	11	329.06	Reverse O	2.8	0.4	RSN634_WHITTIER.A_A-FLE144.AT2 RSN634_WHITTIER.A_A-FLE234.AT2 RSN634_WHITTIER.A_A-FLE-UP.AT2
674	Whittier Narrows-01 Pasadena - Brown Gym 1987	5.99	4	341.14	Reverse O	3.3	0.57	RSN674_WHITTIER.A_A-BRG180.AT2 RSN674_WHITTIER.A_A-BRG270.AT2 RSN674_WHITTIER.A_A-BRG-UP.AT2
739	Loma Prieta Anderson Dam (Downstream) 1989	6.93	20	488.77	Reverse O	5.2	0.34	RSN739_LOMAP_AND250.AT2 RSN739_LOMAP_AND340.AT2 RSN739_LOMAP_AND-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.57	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	0.66	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
948	Northridge-01 Arcadia - Campus Dr 1994	6.69	41	367.53	Reverse	7.8	0.82	RSN948_NORTHR_CAM009.AT2 RSN948_NORTHR_CAM279.AT2 RSN948_NORTHR_CAM-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.26	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
964	Northridge-01 Compton - Castlegate St 1994	6.69	43	266.9	Reverse	11.4	0.77	RSN964_NORTHR_CAS000.AT2 RSN964_NORTHR_CAS270.AT2 RSN964_NORTHR_CAS-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.27	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	0.75	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.48	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.65	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.3	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.43	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.25	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.68	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3710	Whittier Narrows-02 LA - E Vernon Ave 1987	5.27	12	283.14	Reverse O	4.7	0.84	RSN3710_WHITTIER.B_B-VER083.AT2 RSN3710_WHITTIER.B_B-VER173.AT2 RSN3710_WHITTIER.B_B-VER-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.5	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.32	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.34	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.32	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4129	Parkfield-02, CA PARKFIELD - TEMBLOR 2004	6	12	524.69	strike slip	3.6	0.88	RSN4129_PARK2004_36510-90.AT2 RSN4129_PARK2004_36510360.AT2 RSN4129_PARK2004_36510-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.28	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.63	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.3	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
5990	El Mayor-Cucapah El Centro Array #7 2010	7.2	27	210.51	strike slip	16.5	0.34	RSN5990_SIERRA.MEX_E07360.AT2 RSN5990_SIERRA.MEX_E07090.AT2 RSN5990_SIERRA.MEX_E07-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.44	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.53	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8062	Christchurch, New Zealand Canterbury Aero Club 2011	6.2	14	280.26	Reverse O	3.8	0.47	RSN8062_CCHURCH_CACSN40E.AT2 RSN8062_CCHURCH_CACSN50W.AT2 RSN8062_CCHURCH_CACSUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	0.94	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.32	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8597	El Mayor-Cucapah Sam W. Stewart 2010	7.2	32	503	strike slip	8.7	1.12	RSN8597_SIERRA.MEX_CISWSHNN.A RSN8597_SIERRA.MEX_CISWSHNE.A RSN8597_SIERRA.MEX_CISWSHNZ.A
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.69	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.87	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

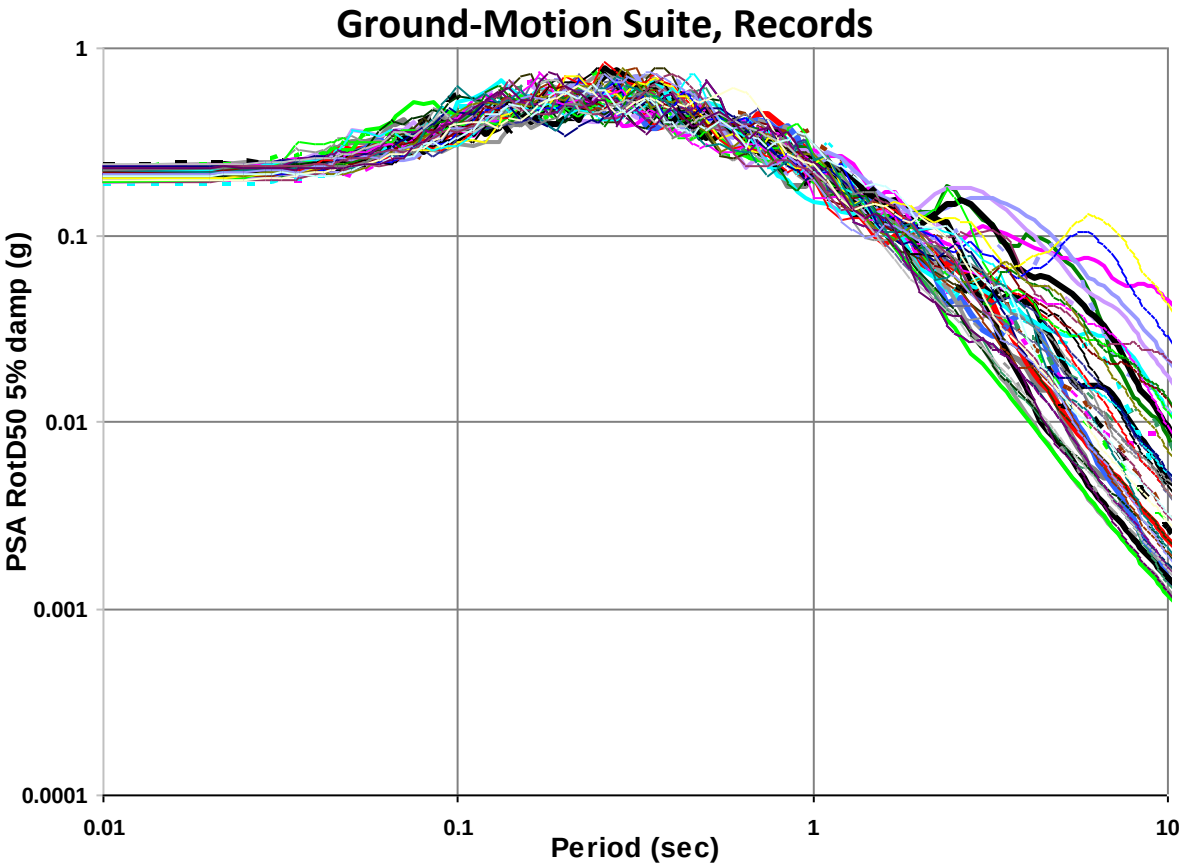
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	2.96	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	0.51	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.36	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.61	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.39	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.57	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.66	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.28	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.29	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.79	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.77	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	2.08	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2

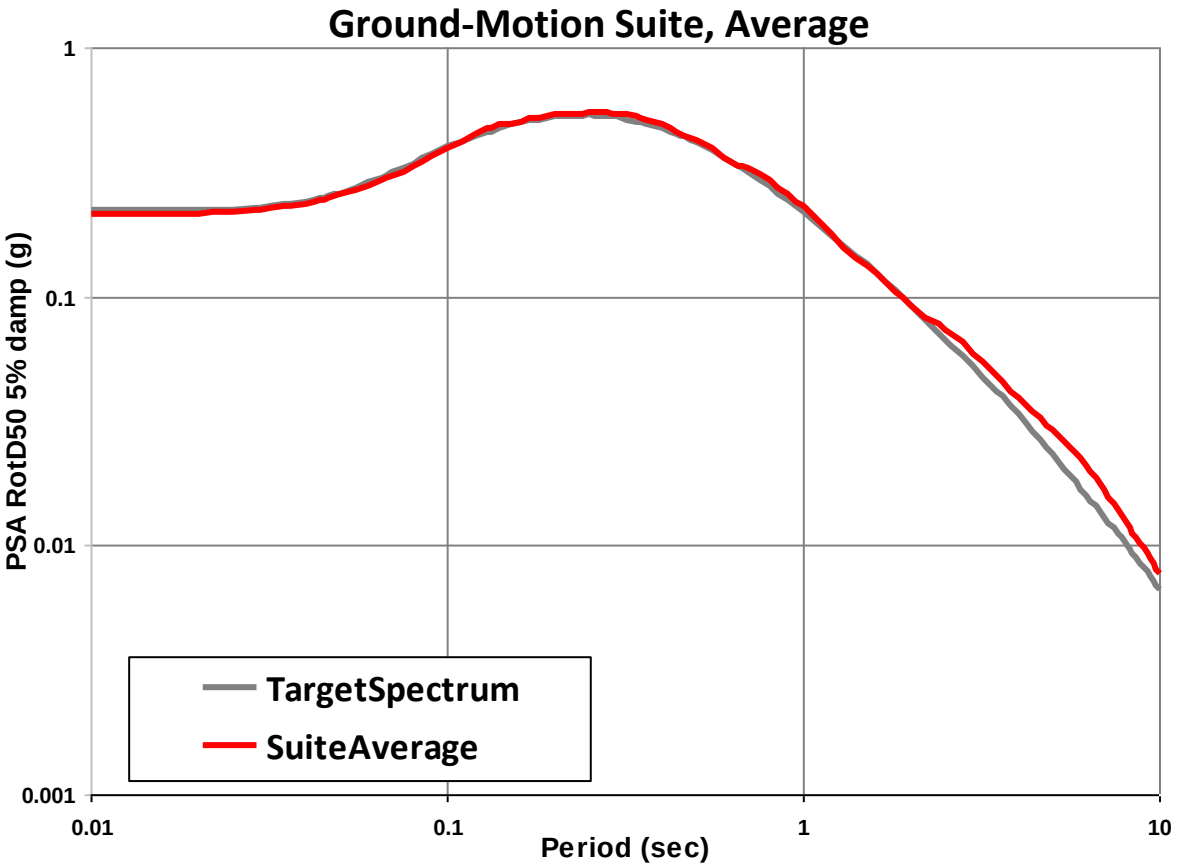
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
457	Morgan Hill Gilroy Array #3 1984	6.19	13	349.85	strike slip	6.5	0.73	RSN457_MORGAN_G03000.AT2 RSN457_MORGAN_G03090.AT2 RSN457_MORGAN_G03-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.62	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	2.14	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	0.89	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	1.03	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
767	Loma Prieta Gilroy Array #3 1989	6.93	12	349.85	Reverse O	2.3	0.28	RSN767_LOMAP_G03000.AT2 RSN767_LOMAP_G03090.AT2 RSN767_LOMAP_G03-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.42	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	1.18	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	0.75	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.2	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.31	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.01	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.46	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.68	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.39	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	1.06	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.78	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.3	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.5	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.53	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.5	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.43	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	2.55	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.47	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.37	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.27	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
5990	El Mayor-Cucapah El Centro Array #7 2010	7.2	27	210.51	strike slip	16.5	0.53	RSN5990_SIERRA.MEX_E07360.AT2 RSN5990_SIERRA.MEX_E07090.AT2 RSN5990_SIERRA.MEX_E07-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.68	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6893	Darfield, New Zealand DFHS 2010	7	12	344.02	strike slip	14.3	0.31	RSN6893_DARFIELD_DFHSS17E.AT2 RSN6893_DARFIELD_DFHSS73W.AT2 RSN6893_DARFIELD_DFHSUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.83	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8062	Christchurch, New Zealand Canterbury Aero Club 2011	6.2	14	280.26	Reverse O	3.8	0.74	RSN8062_CCHURCH_CACSN40E.AT2 RSN8062_CCHURCH_CACSN50W.AT2 RSN8062_CCHURCH_CACSUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	1.46	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.49	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8597	El Mayor-Cucapah Sam W. Stewart 2010	7.2	32	503	strike slip	8.7	1.76	RSN8597_SIERRA.MEX_CISWSHNN.A RSN8597_SIERRA.MEX_CISWSHNE.A RSN8597_SIERRA.MEX_CISWSHNZ.A
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	1.08	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	1.36	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

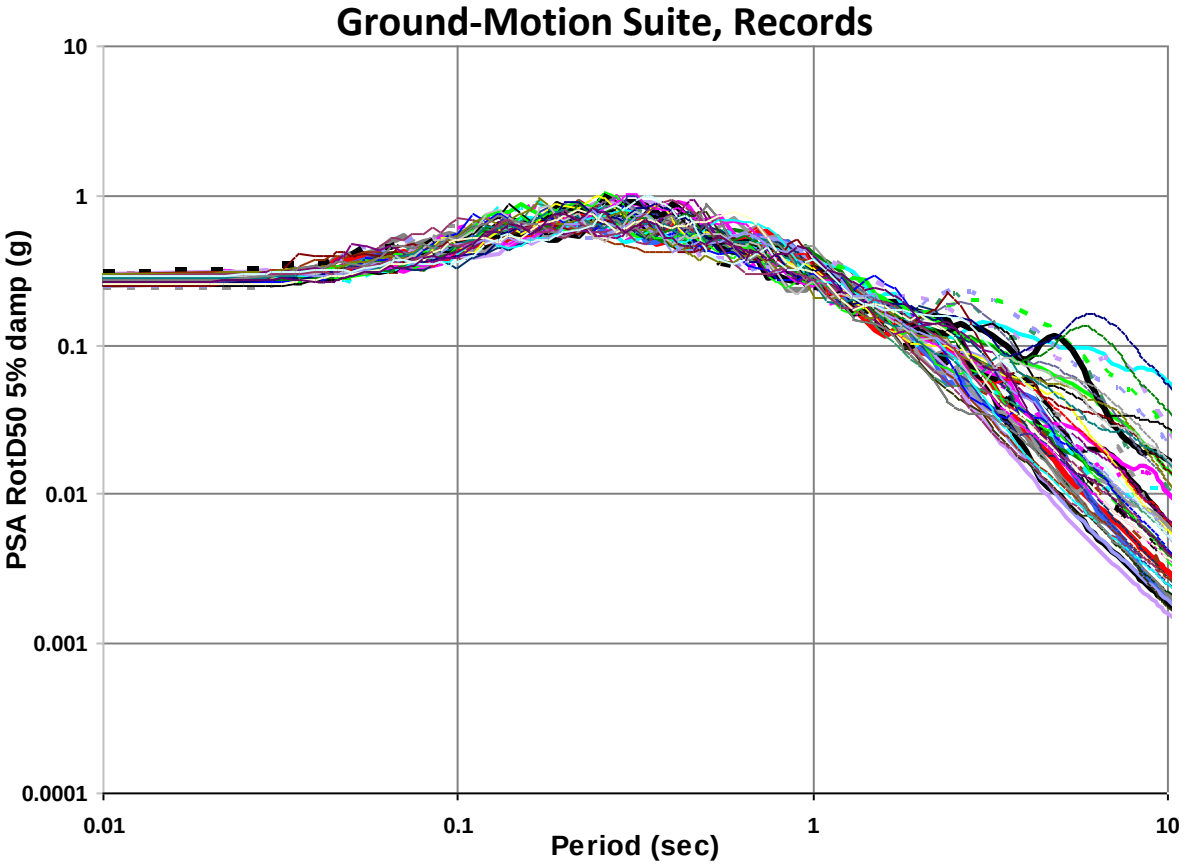
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.59	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.65	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.94	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.09	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.46	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.47	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.84	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	2.45	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.29	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	2.92	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	3.43	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2

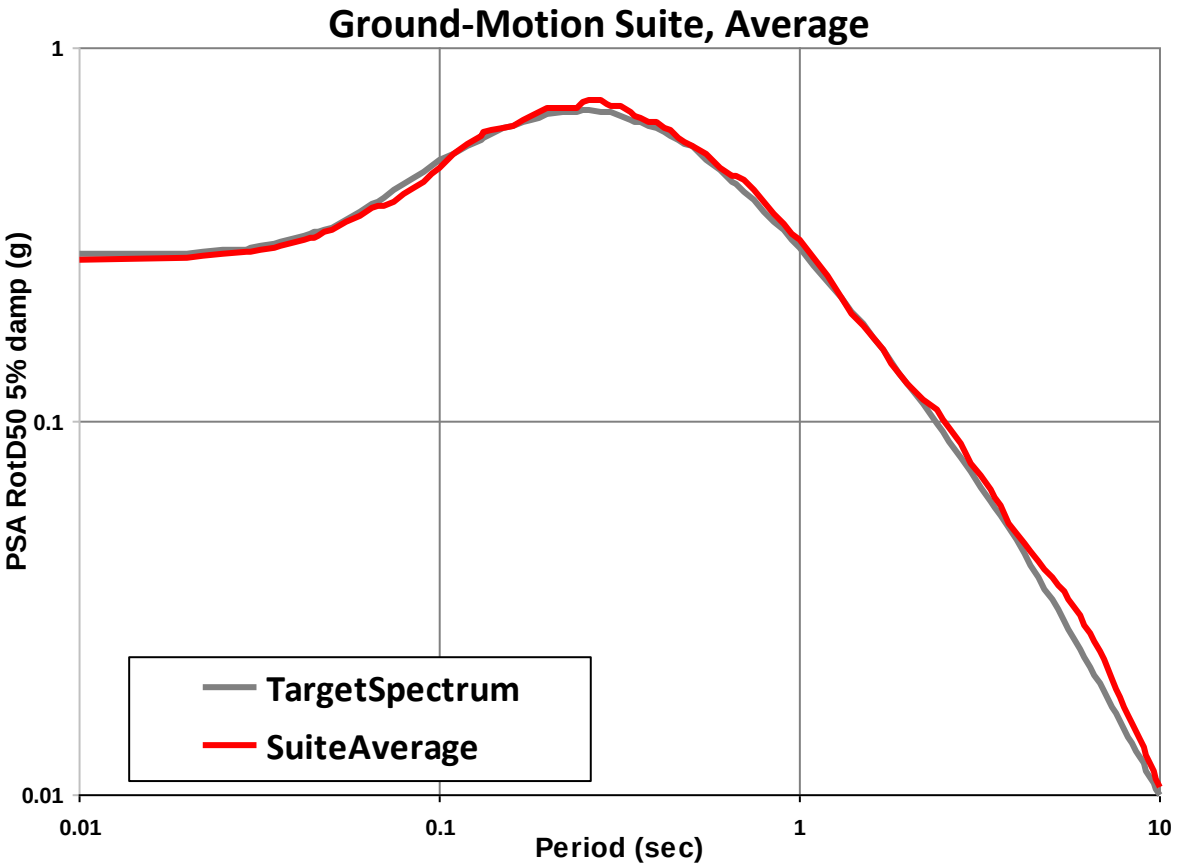
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.02	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.47	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	1.69	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.68	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.49	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.88	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.68	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	1.94	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.29	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.24	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.59	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	1.97	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.61	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.34	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.79	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.5	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.67	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.77	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.12	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.65	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	1.29	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.82	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.87	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.82	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.71	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.27	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.77	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.62	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5818	Iwate Kurihara City 2008	6.9	13	512.26	Reverse	6.4	0.38	RSN5818_IWATE_48A61NS.AT2 RSN5818_IWATE_48A61EW.AT2 RSN5818_IWATE_48A61UD.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.45	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.13	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.82	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	1.36	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8069	Christchurch, New Zealand CSTC 2011	6.2	36	332.73	Reverse O	6	2.83	RSN8069_CCHURCH_CSTCS02E.AT2 RSN8069_CCHURCH_CSTCS88W.AT2 RSN8069_CCHURCH_CSTCUP.AT2
8133	Christchurch, New Zealand SLRC 2011	6.2	32	249.28	Reverse O	5.9	2.41	RSN8133_CCHURCH_SLRCS28E.AT2 RSN8133_CCHURCH_SLRCS62W.AT2 RSN8133_CCHURCH_SLRCUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.82	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	1.79	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	2.25	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

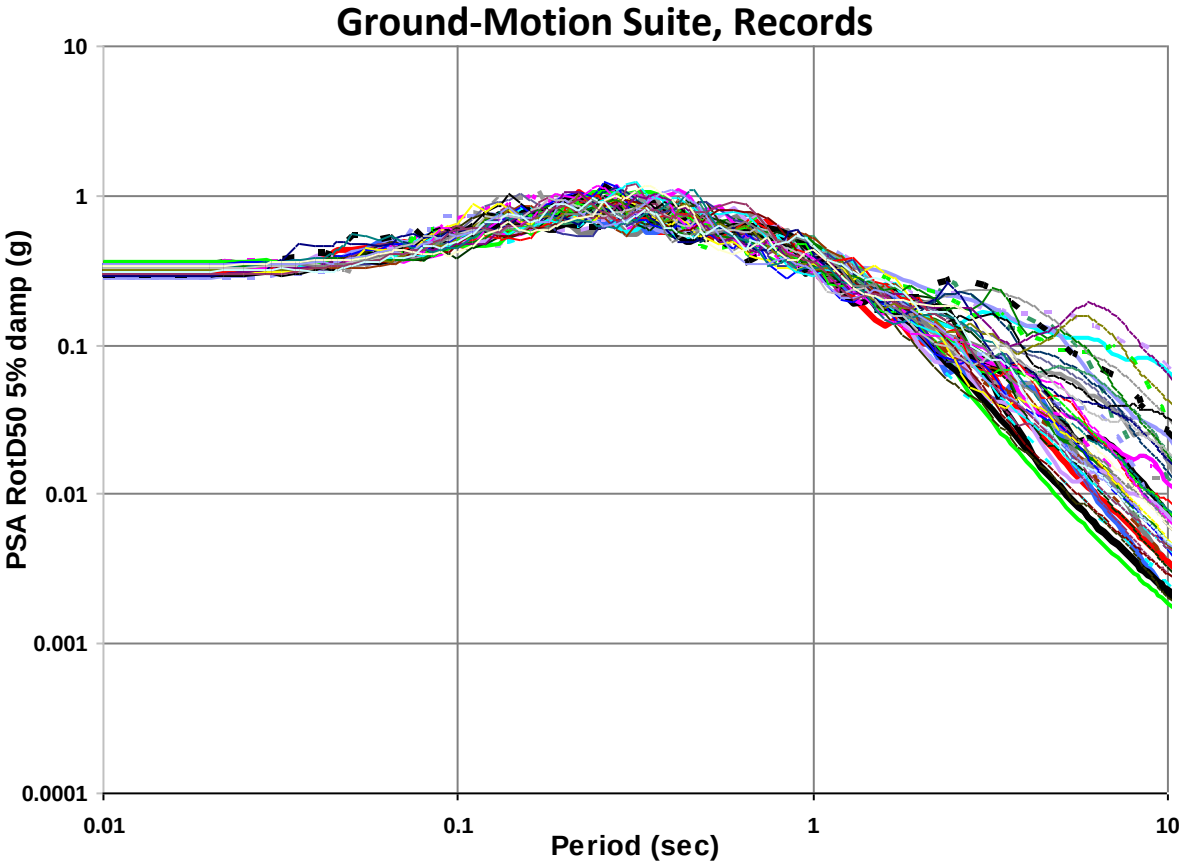
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1.28	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.83	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.39	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.87	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.59	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.6	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.08	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
186	Imperial Valley-06 Niland Fire Station 1979	6.53	36	212	strike slip	10.1	3.13	RSN186_IMPVALL.H_H-NIL090.AT2 RSN186_IMPVALL.H_H-NIL360.AT2 RSN186_IMPVALL.H_H-NIL-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	3.74	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.11	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.59	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.3	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2

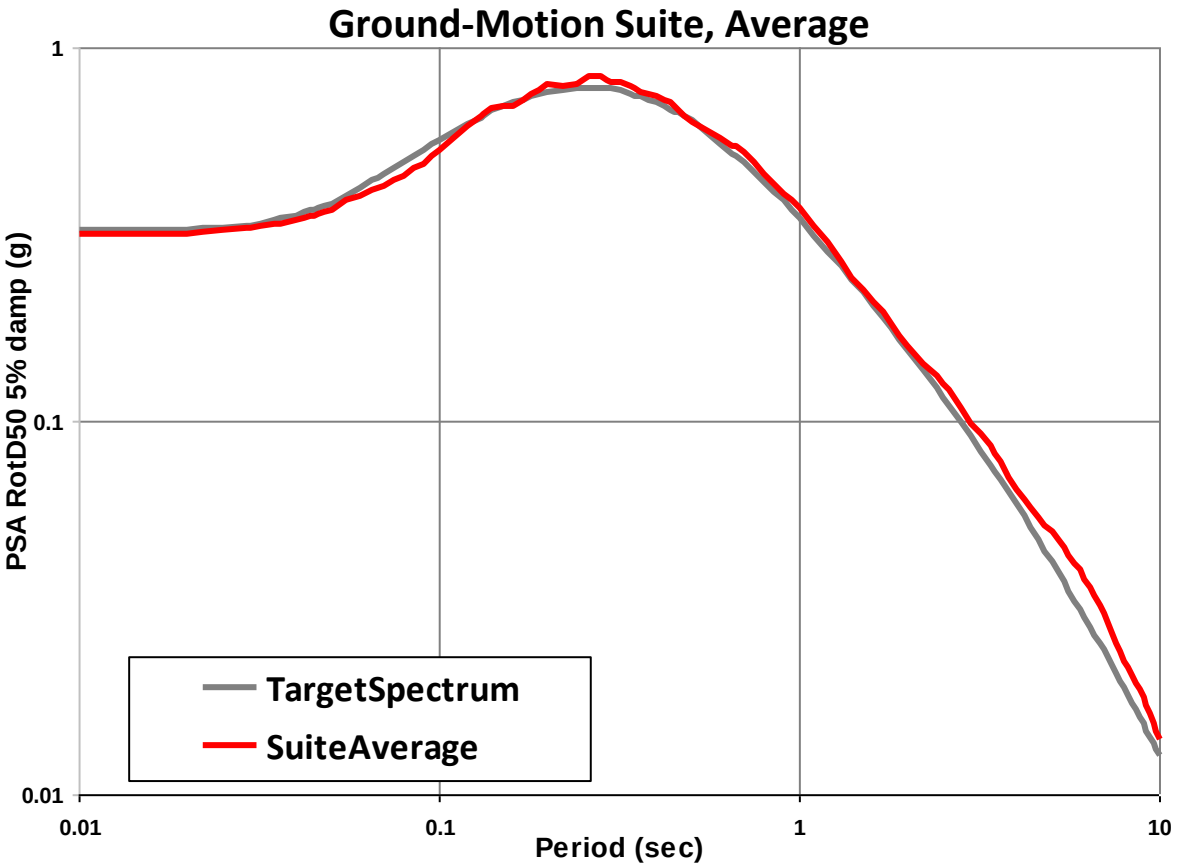
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	1.04	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.48	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	1.88	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
762	Loma Prieta Fremont - Mission San Jose 1989	6.93	39	367.57	Reverse O	7.9	2.17	RSN762_LOMAP_FRE000.AT2 RSN762_LOMAP_FRE090.AT2 RSN762_LOMAP_FRE-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.87	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.62	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.38	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.13	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1002	Northridge-01 LA - S. Vermont Ave 1994	6.69	28	301.93	Reverse	9.6	2.49	RSN1002_NORTHR_VRM000.AT2 RSN1002_NORTHR_VRM090.AT2 RSN1002_NORTHR_VRM-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.37	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.59	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.04	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	2.53	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.22	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.78	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.72	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.37	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.01	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.65	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.52	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	2.14	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.98	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.43	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.38	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.83	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	1.06	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.12	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4098	Parkfield-02, CA Parkfield - Cholame 1E 2004	6	2	326.64	strike slip	1.9	0.77	RSN4098_PARK2004_C01090.AT2 RSN4098_PARK2004_C01360.AT2 RSN4098_PARK2004_C01-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	1.05	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.35	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.99	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.79	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4895	Chuetsu-oki Kashiwazaki NPP, Unit 5: ground surf 2007	6.8	0	265.5	Reverse	5.2	0.26	RSN4895_CHUETSU_5-G1NS.AT2 RSN4895_CHUETSU_5-G1EW.AT2 RSN4895_CHUETSU_5-G1UD.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.57	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.44	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.05	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	1.75	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	1.05	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

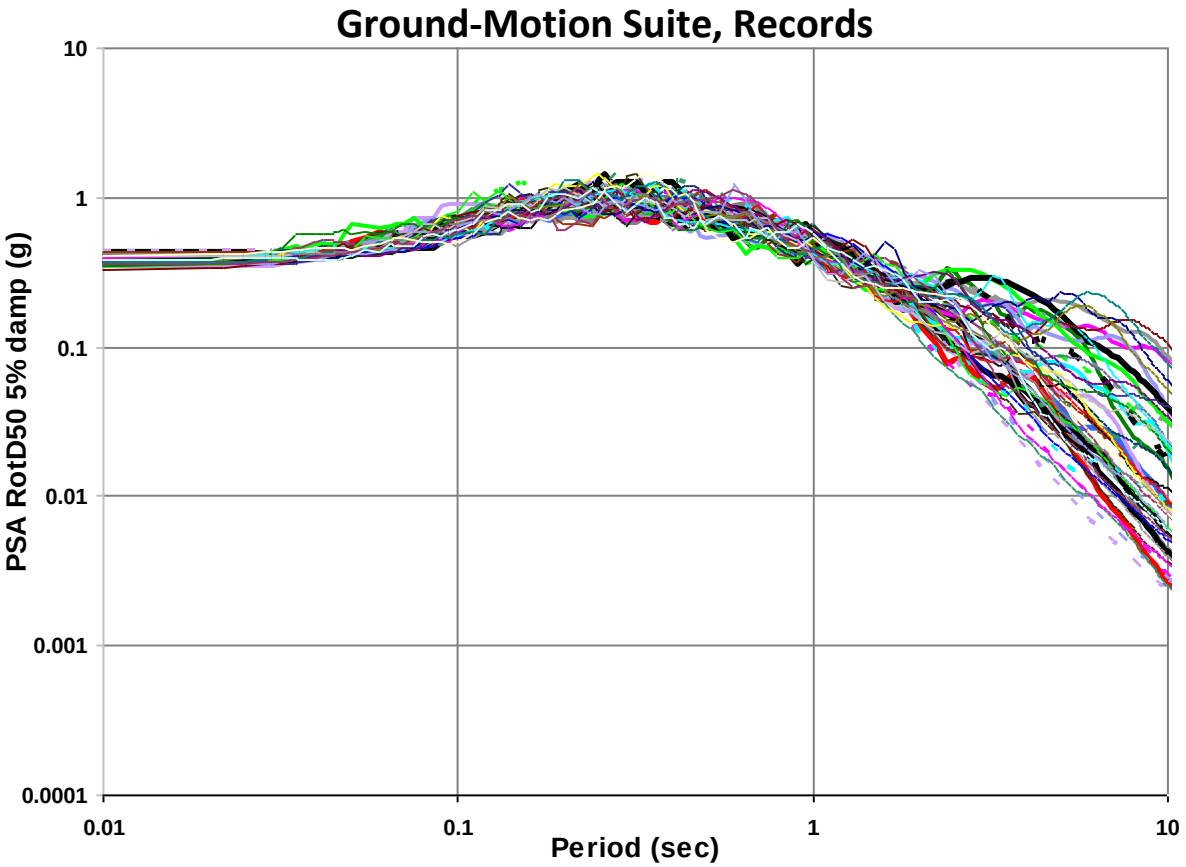
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.94	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1.5	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.97	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	1.37	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.59	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.63	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.19	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.69	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.71	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.27	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.3	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	3.03	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

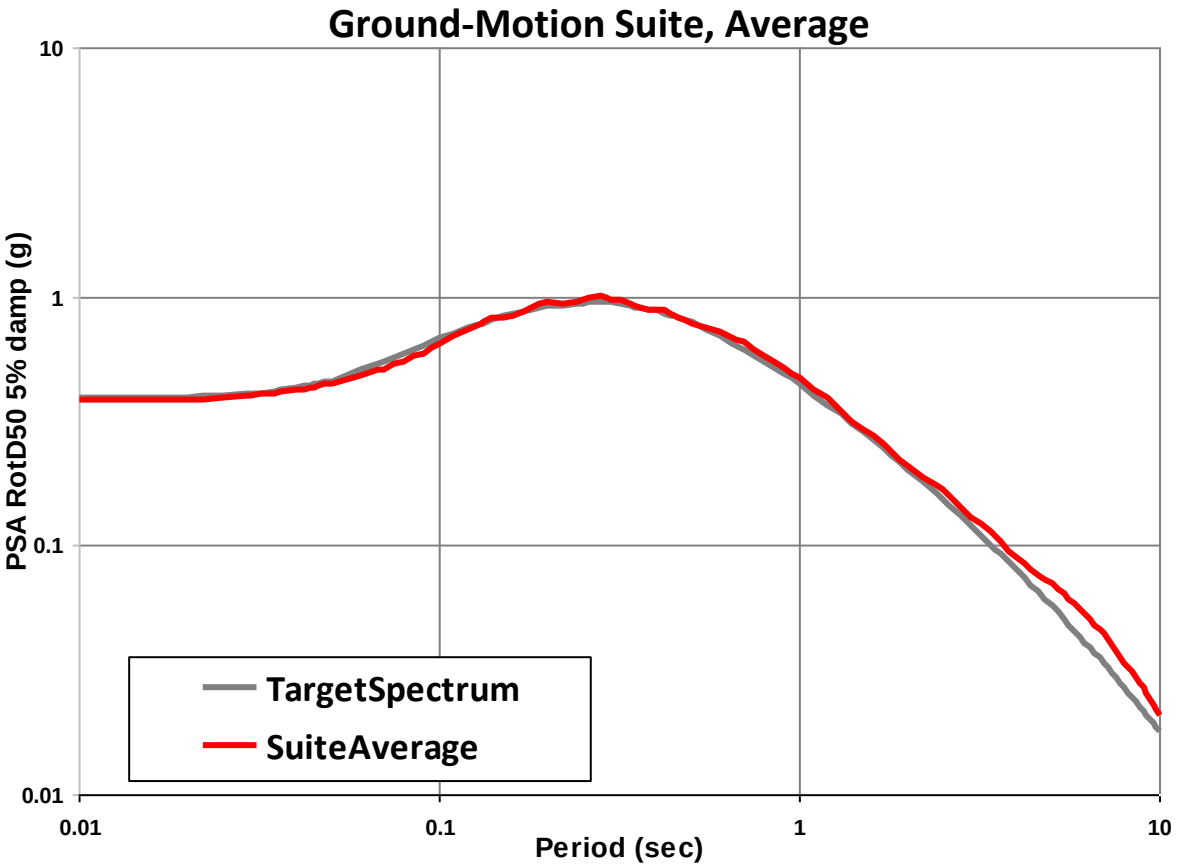
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.52	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	1.22	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.56	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	2.2	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.02	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.73	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.44	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.32	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.38	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.43	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	1.85	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.39	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1034	Northridge-01 Malibu - Point Dume Sch 1994	6.69	27	349.54	Reverse	7.8	2.95	RSN1034_NORTHR_MAL090.AT2 RSN1034_NORTHR_MAL360.AT2 RSN1034_NORTHR_MAL-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.43	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.91	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.01	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.61	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.18	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.75	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.61	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.3	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	2.5	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.15	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.68	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.79	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.31	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.51	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.41	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.3	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	1.16	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.05	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.93	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4895	Chuetsu-oki Kashiwazaki NPP, Unit 5: ground surf 2007	6.8	0	265.5	Reverse	5.2	0.3	RSN4895_CHUETSU_5-G1NS.AT2 RSN4895_CHUETSU_5-G1EW.AT2 RSN4895_CHUETSU_5-G1UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2.63	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.67	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.69	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.22	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

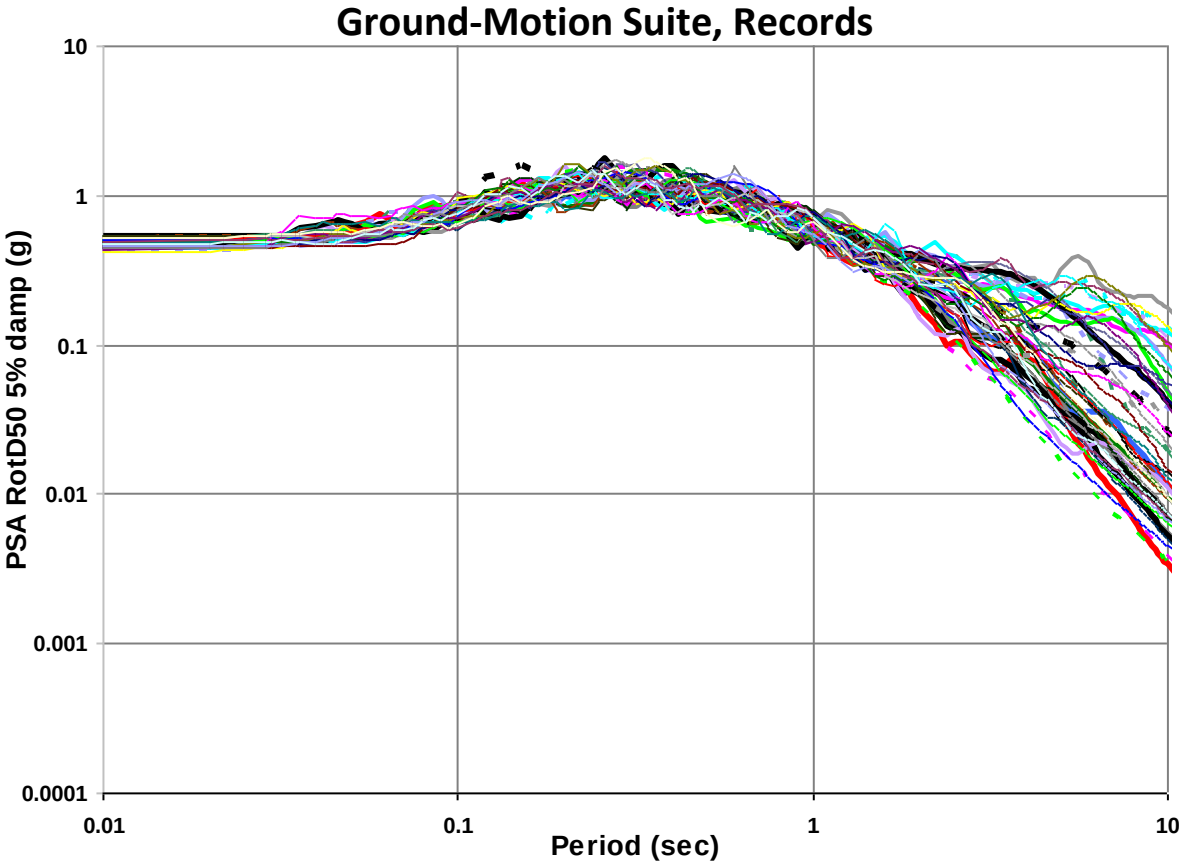
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	2.37	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	1.68	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.95	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	2	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.68	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.85	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.86	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.55	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.59	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	3.71	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.77	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.87	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2

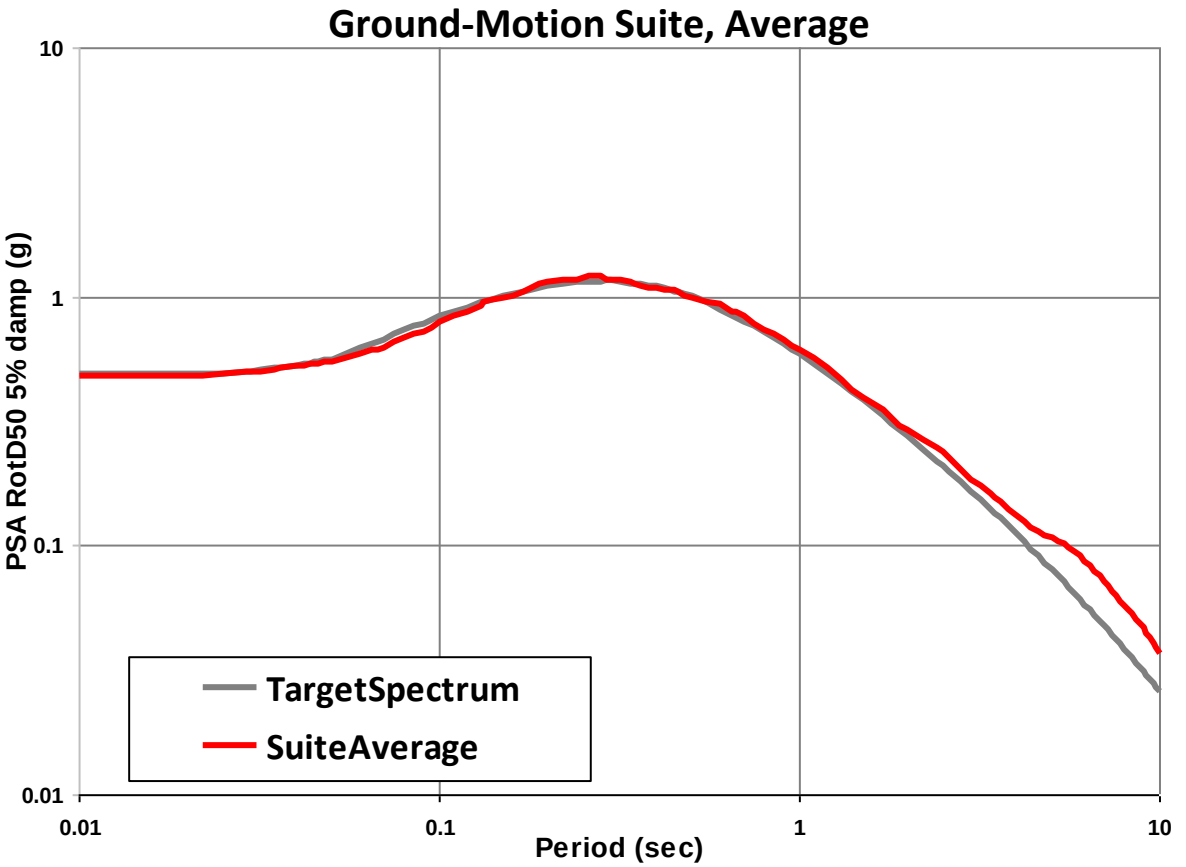
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.69	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
761	Loma Prieta Fremont - Emerson Court 1989	6.93	40	284.79	Reverse O	7.2	2.7	RSN761_LOMAP_FMS090.AT2 RSN761_LOMAP_FMS180.AT2 RSN761_LOMAP_FMS-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.25	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.97	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.89	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.54	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.61	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.92	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	2.27	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.93	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.76	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.12	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.61	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.46	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.97	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.45	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.75	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.6	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	3.06	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.41	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.06	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	3.42	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	2.09	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.61	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.85	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.5	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.82	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.71	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	1.42	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.28	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.14	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	3.23	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.56	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.82	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.33	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	2.07	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.5	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.5	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

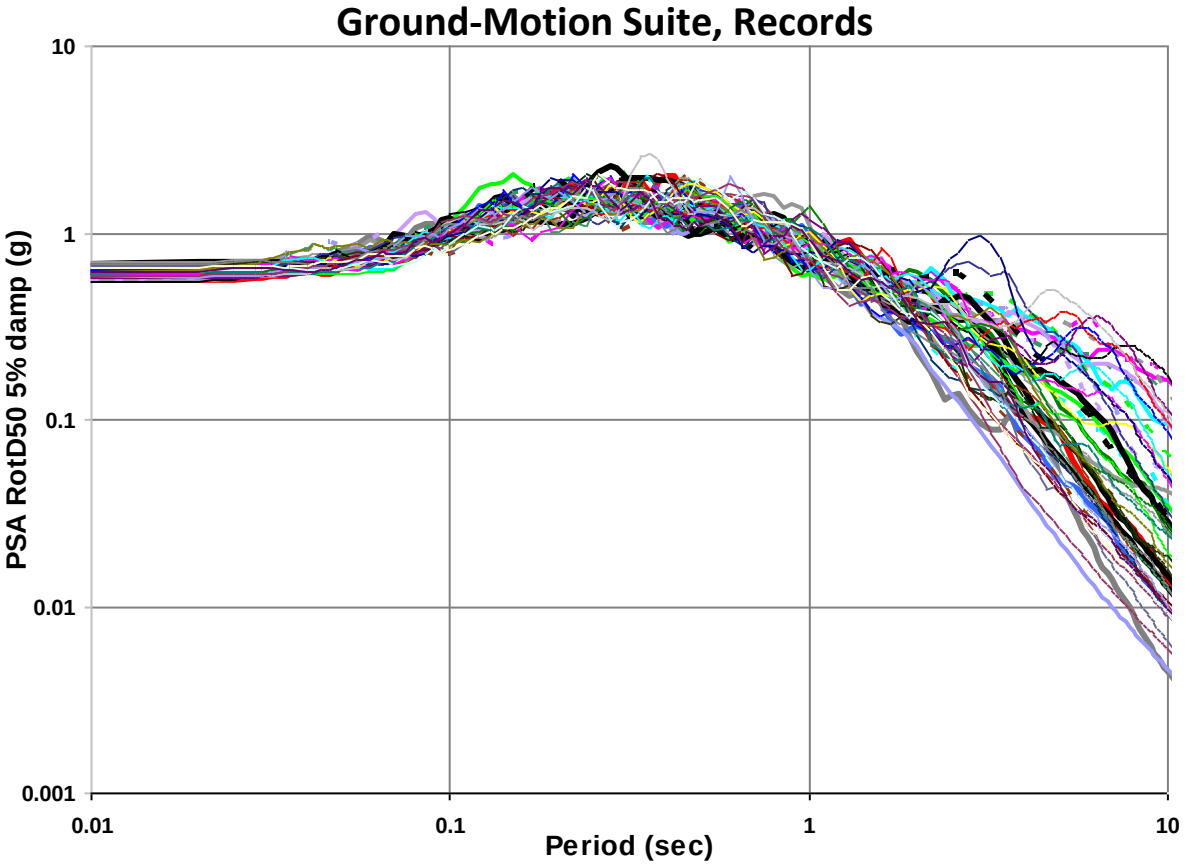
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.93	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	2.97	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	2.11	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.44	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	3.36	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.27	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	1.08	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.94	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.99	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	3.47	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.86	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.66	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2

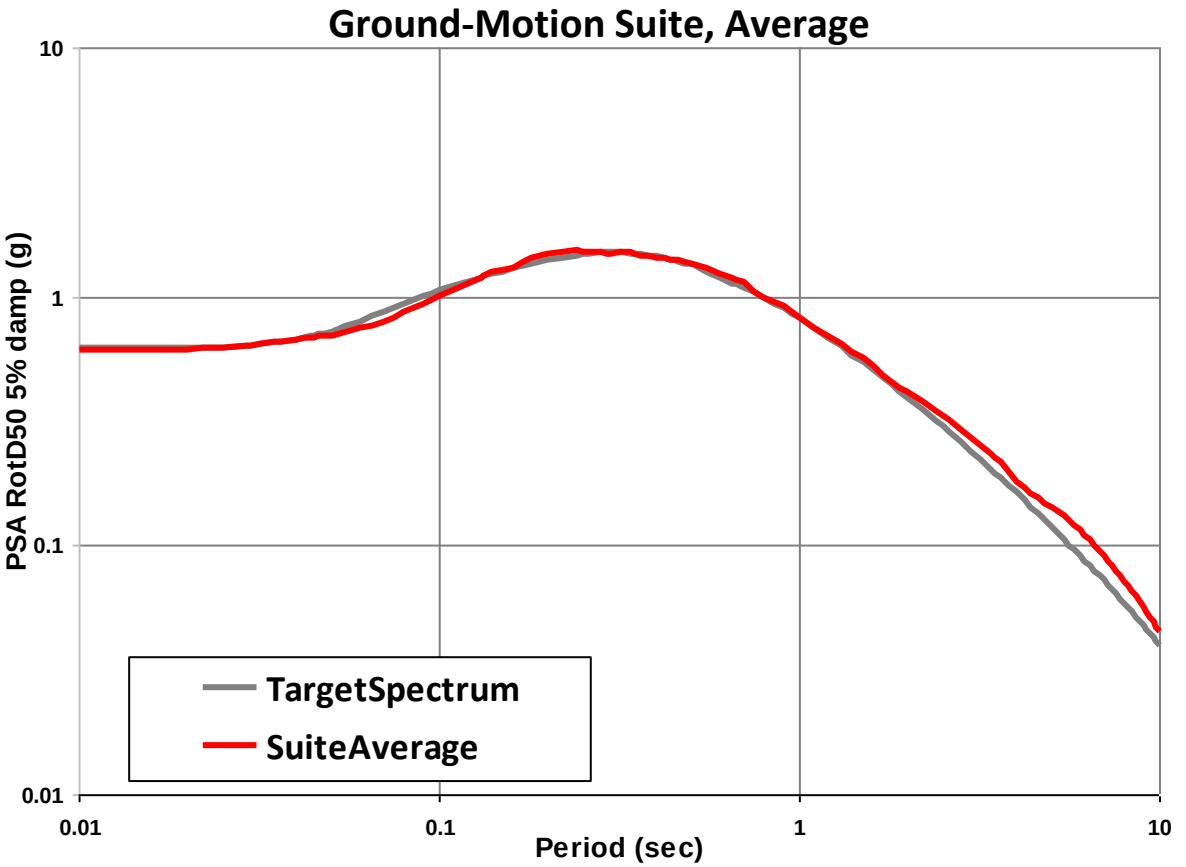
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.56	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.22	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	1.12	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.97	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.67	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.02	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	3.65	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	2.85	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	3.67	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	2.2	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.4	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.77	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.73	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	3.09	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.81	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.3	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.52	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	3.23	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.94	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.99	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.76	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.58	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	2.61	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.31	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	3.53	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.15	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4716	Wenchuan, China Deyangbaima 2008	7.9	30	418.21	Reverse O	36.9	3.61	RSN4716_WENCHUAN_UA0777.AT2 RSN4716_WENCHUAN_UA0775.AT2 RSN4716_WENCHUAN_UA0776.AT2
4757	Wenchuan, China Dayiyinping 2008	7.9	29	378.93	Reverse O	53.2	3.33	RSN4757_WENCHUAN_UA0921.AT2 RSN4757_WENCHUAN_UA0920.AT2 RSN4757_WENCHUAN_UA0919.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.61	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.42	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.95	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	1.03	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.67	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	2.59	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.88	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.88	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	0.99	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

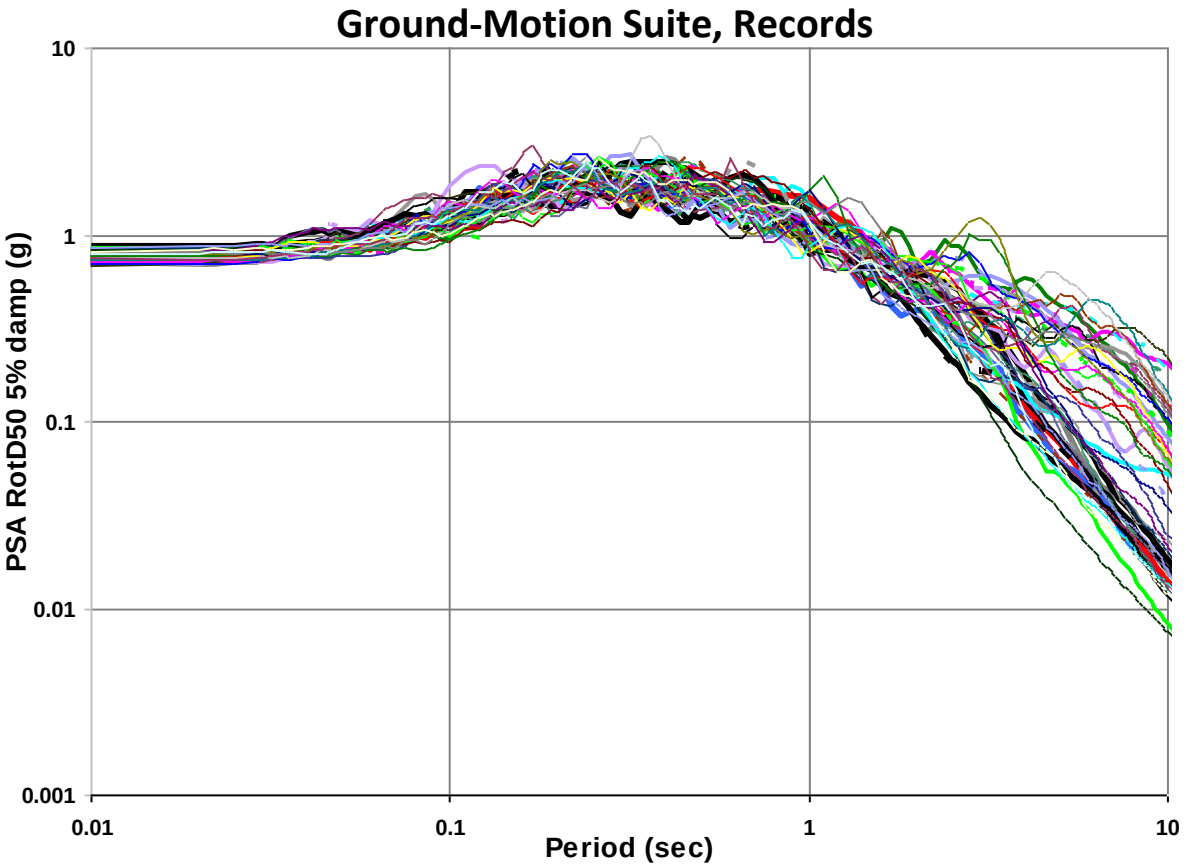
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.53	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	3.89	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.19	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.66	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	1.42	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.54	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.06	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	2.6	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1.13	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.17	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.75	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	2.63	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2

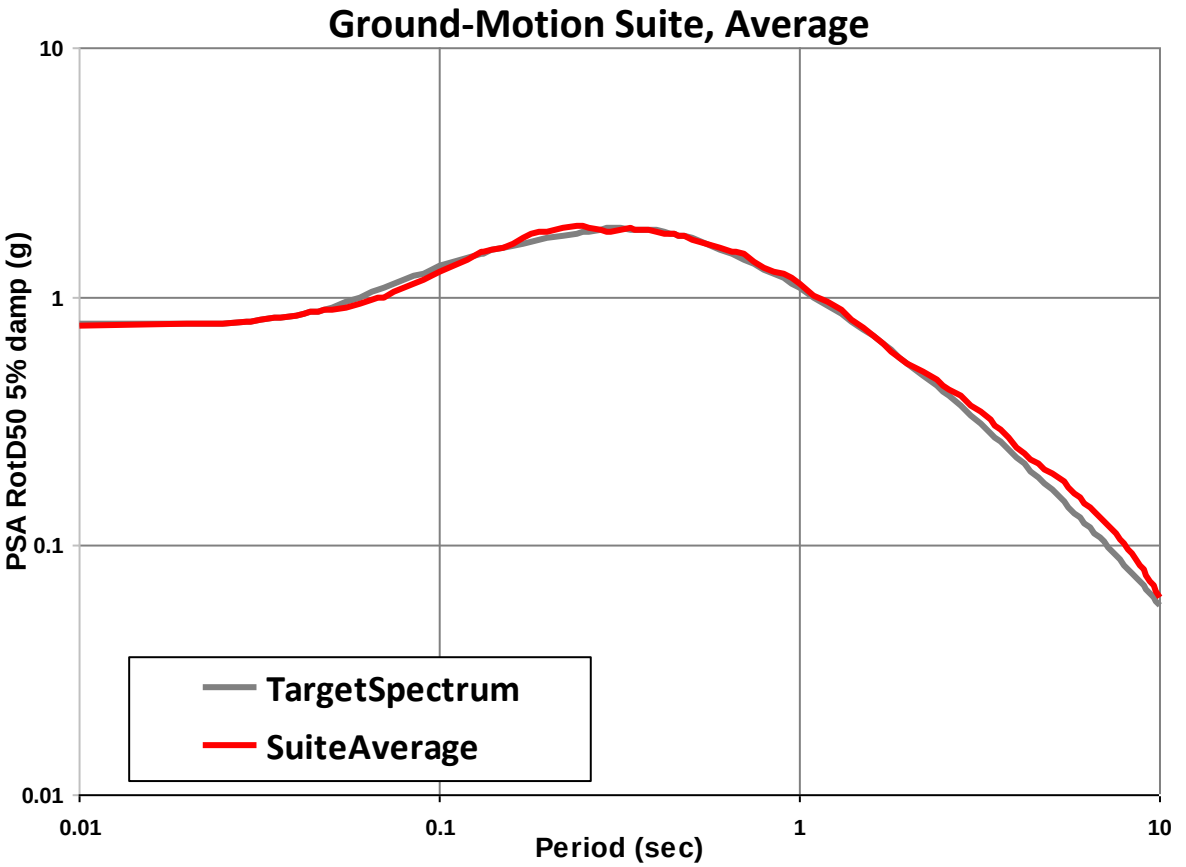
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	2.98	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	3.9	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	2.05	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.6	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	1.46	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.27	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	3.47	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.64	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1005	Northridge-01 LA - Temple & Hope 1994	6.69	29	452.15	Reverse	7	3.73	RSN1005_NORTHR_TEM090.AT2 RSN1005_NORTHR_TEM180.AT2 RSN1005_NORTHR_TEM-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.84	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.96	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.96	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
1208	Chi-Chi, Taiwan CHY046 1999	7.62	24	442.15	Reverse O	19.1	3.55	RSN1208_CHICHI_CHY046-E.AT2 RSN1208_CHICHI_CHY046-N.AT2 RSN1208_CHICHI_CHY046-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	2.37	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	3	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	3.3	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	2.64	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.29	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2.61	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	2.6	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	2.3	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	3.37	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3275	Chi-Chi, Taiwan-06 CHY036 1999	6.3	45	233.14	Reverse	8	3.42	RSN3275_CHICHI.06_CHY036N.AT2 RSN3275_CHICHI.06_CHY036E.AT2 RSN3275_CHICHI.06_CHY036V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	3.02	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.81	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.1	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.86	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.66	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5774	Iwate Nakashinden Town 2008	6.9	29	276.3	Reverse	11	3.29	RSN5774_IWATE_54008NS.AT2 RSN5774_IWATE_54008EW.AT2 RSN5774_IWATE_54008UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.56	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.18	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	3.39	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.46	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.28	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.29	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.73	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.18	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	08 Northridget
Site Vs30 (m/s)	270
Return Period (yr)	1000

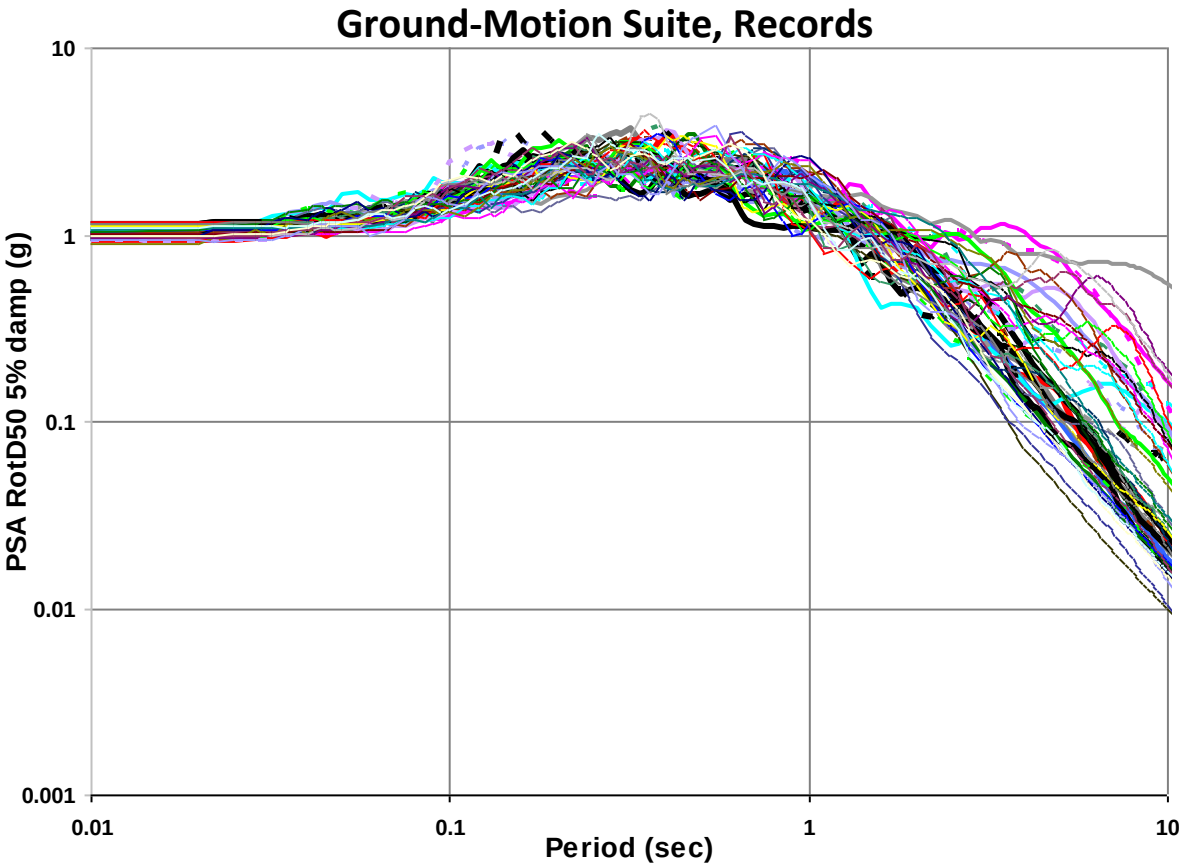
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	3.21	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
165	Imperial Valley-06 Chihuahua 1979	6.53	7	242.05	strike slip	12.9	3.07	RSN165_IMPVALL.H_H-CHI012.AT2 RSN165_IMPVALL.H_H-CHI282.AT2 RSN165_IMPVALL.H_H-CHIDWN.AT2
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	2.64	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.1	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	3.22	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.61	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	3.3	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	3.9	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
319	Westmorland Westmorland Fire Sta 1981	5.9	6	193.67	strike slip	3.6	1.86	RSN319_WESMORL_WSM090.AT2 RSN319_WESMORL_WSM180.AT2 RSN319_WESMORL_WSM-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1.43	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.76	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	3.36	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2

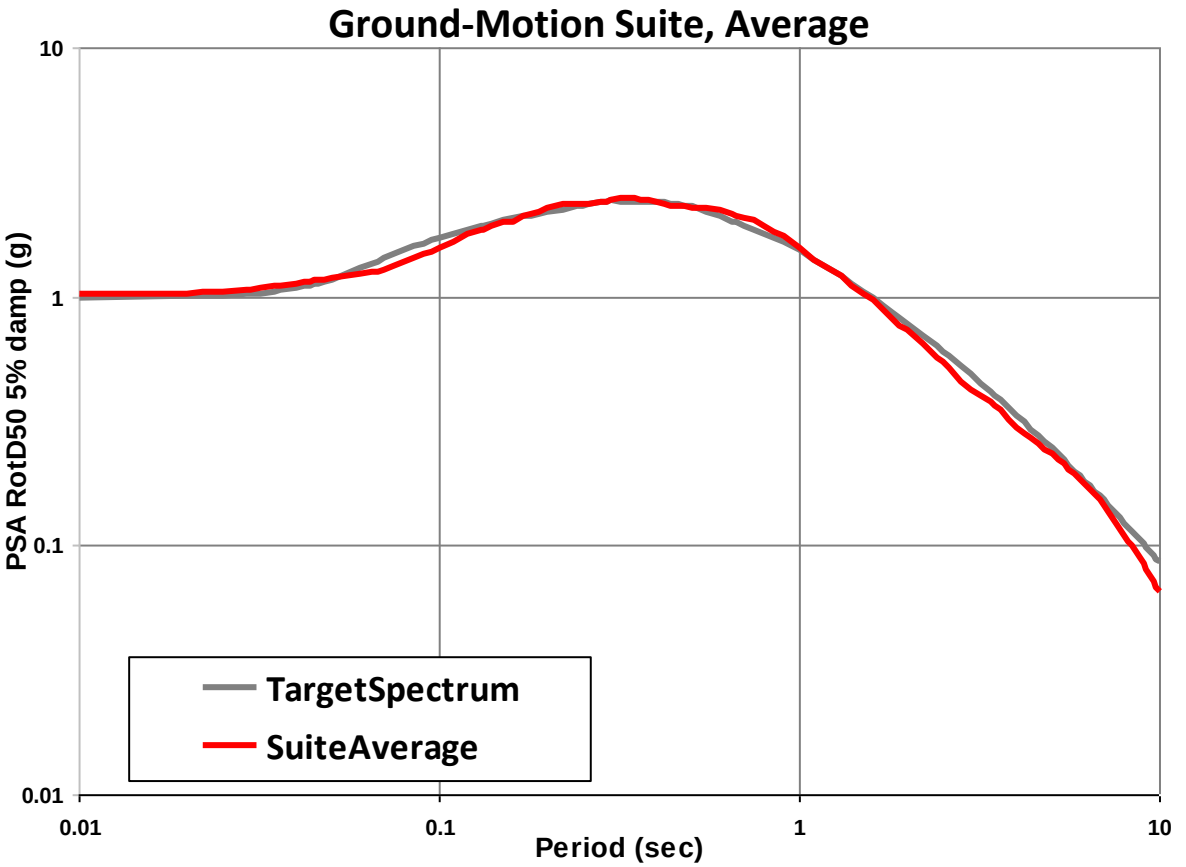
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.22	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	2.9	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2
786	Loma Prieta Palo Alto - 1900 Embarc. 1989	6.93	31	209.87	Reverse O	9.6	3.84	RSN786_LOMAP_PAE055.AT2 RSN786_LOMAP_PAE325.AT2 RSN786_LOMAP_PAE-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	3.34	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	3.78	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
900	Landers Yermo Fire Station 1992	7.28	24	353.63	strike slip	8.8	3.59	RSN900_LANDERS_YER270.AT2 RSN900_LANDERS_YER360.AT2 RSN900_LANDERS_YER-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	2.59	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	2.03	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.6	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	3.35	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.07	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	2.33	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.27	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.21	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.22	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	3.29	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	3	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	3.81	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	3.35	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.64	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	3.31	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	3.3	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	3.83	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	3.56	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.67	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	2.36	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.83	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	3.24	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.77	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
5988	El Mayor-Cucapah Meloland, E Holton Rd. 2010	7.2	30	196	strike slip	20.9	3.11	RSN5988_SIERRA.MEX_DRE360.AT2 RSN5988_SIERRA.MEX_DRE-90.AT2 RSN5988_SIERRA.MEX_DRE-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	3.79	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	3.12	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.62	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	3.43	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.64	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.2	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.77	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	**08 Northridget**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**

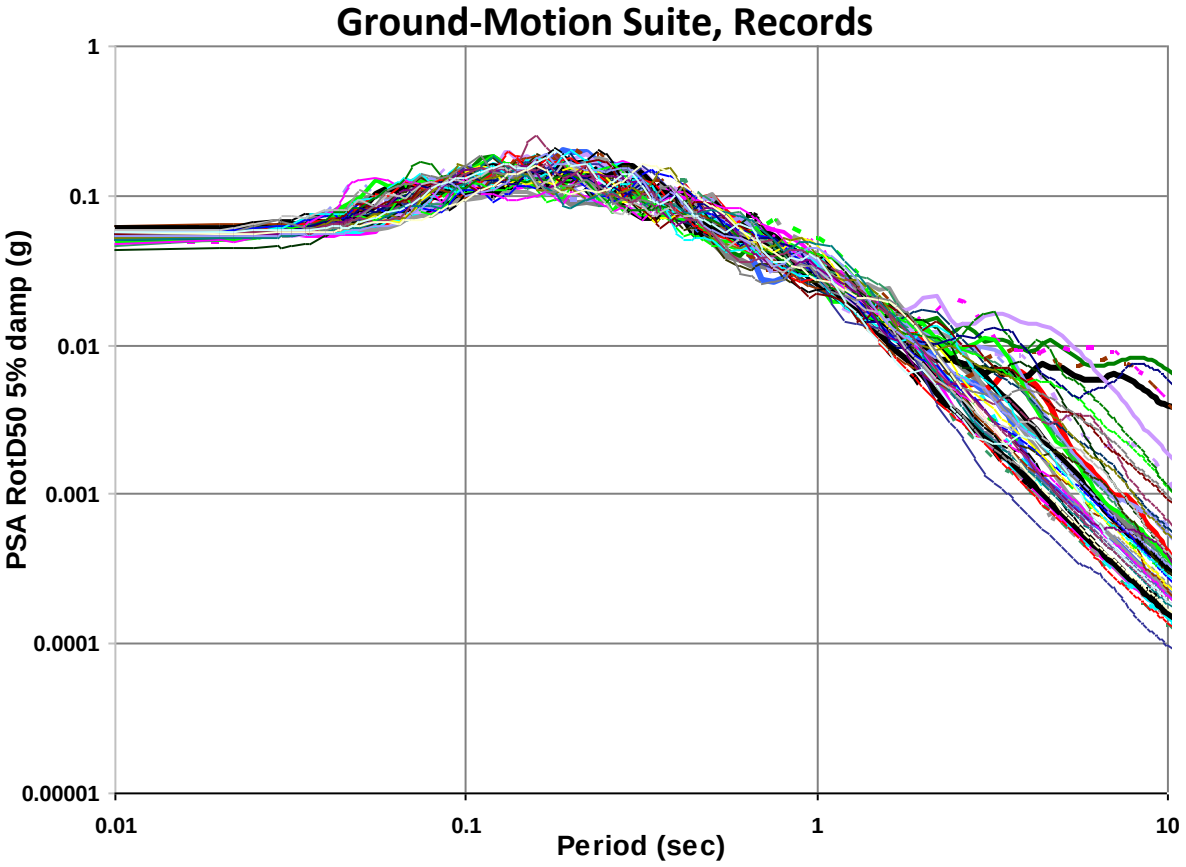
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	3.49	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.77	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	2.37	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	3.45	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
319	Westmorland Westmorland Fire Sta 1981	5.9	6	193.67	strike slip	3.6	2.45	RSN319_WESMORL_WSM090.AT2 RSN319_WESMORL_WSM180.AT2 RSN319_WESMORL_WSM-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	1.89	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	3.64	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.93	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
768	Loma Prieta Gilroy Array #4 1989	6.93	14	221.78	Reverse O	4.5	3.56	RSN768_LOMAP_G04000.AT2 RSN768_LOMAP_G04090.AT2 RSN768_LOMAP_G04-UP.AT2
776	Loma Prieta Hollister - South & Pine 1989	6.93	28	282.14	Reverse O	7	3.52	RSN776_LOMAP_HSP000.AT2 RSN776_LOMAP_HSP090.AT2 RSN776_LOMAP_HSP-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	3.83	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	2.41	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2

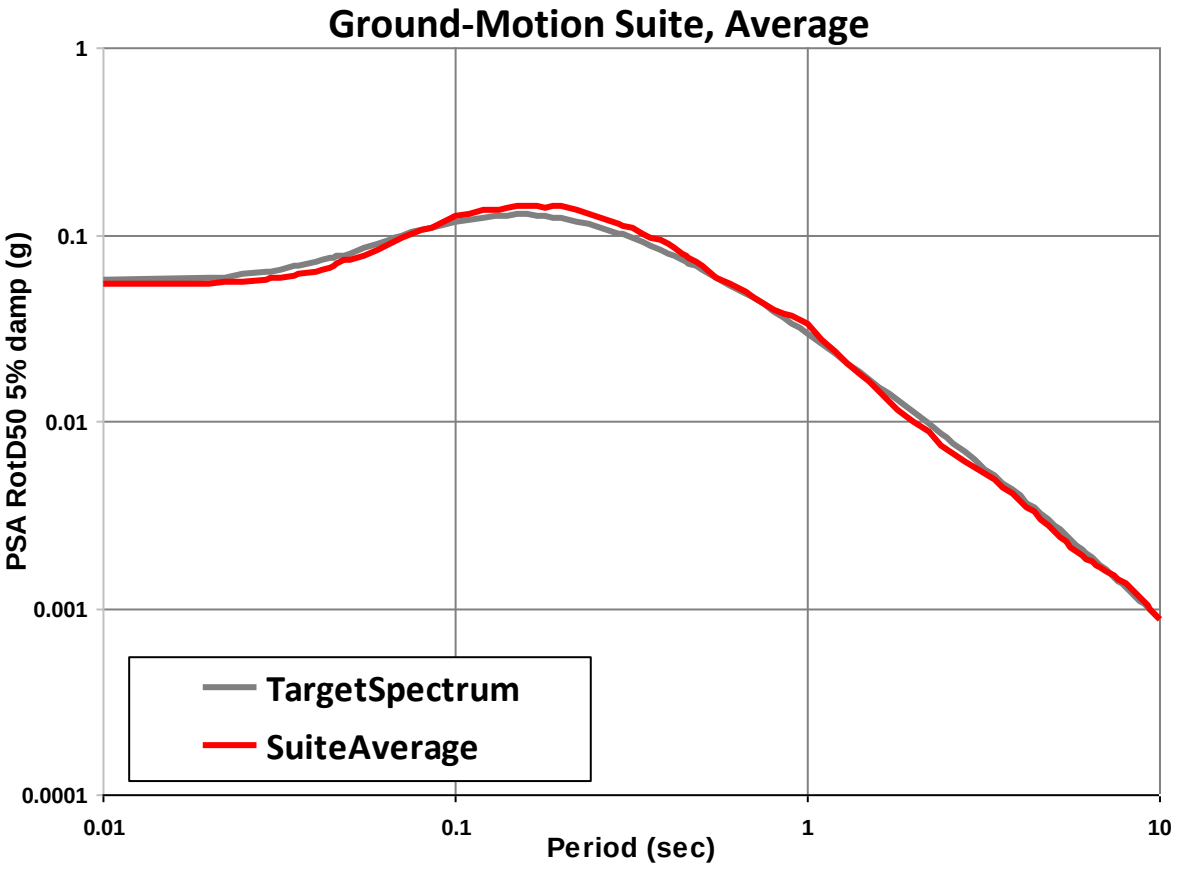
Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	3.43	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
953	Northridge-01 Beverly Hills - 14145 Mulhol 1994	6.69	9	355.81	Reverse	5.4	2.1	RSN953_NORTHR_MUL009.AT2 RSN953_NORTHR_MUL279.AT2 RSN953_NORTHR_MUL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	2.68	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	2.45	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	2.12	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
1044	Northridge-01 Newhall - Fire Sta 1994	6.69	3	269.14	Reverse	2.8	1.57	RSN1044_NORTHR_NWH090.AT2 RSN1044_NORTHR_NWH360.AT2 RSN1044_NORTHR_NWH-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.41	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	3.08	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.68	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.6	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.61	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	3.17	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1176	Kocaeli, Turkey Yarimca 1999	7.51	1	297	strike slip	6.5	3.7	RSN1176_KOCAELI_YPT060.AT2 RSN1176_KOCAELI_YPT150.AT2 RSN1176_KOCAELI_YPT-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	2.8	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2
1487	Chi-Chi, Taiwan TCU047 1999	7.62	35	520.37	Reverse O	9.7	2.8	RSN1487_CHICHI_TCU047-E.AT2 RSN1487_CHICHI_TCU047-N.AT2 RSN1487_CHICHI_TCU047-V.AT2
1504	Chi-Chi, Taiwan TCU067 1999	7.62	1	433.63	Reverse O	9.1	2.49	RSN1504_CHICHI_TCU067-E.AT2 RSN1504_CHICHI_TCU067-N.AT2 RSN1504_CHICHI_TCU067-V.AT2
1505	Chi-Chi, Taiwan TCU068 1999	7.62	0	487.34	Reverse O	6.1	2.14	RSN1505_CHICHI_TCU068-E.AT2 RSN1505_CHICHI_TCU068-N.AT2 RSN1505_CHICHI_TCU068-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	2.16	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1605	Duzce, Turkey Duzce 1999	7.14	0	281.86	strike slip	7.1	2.36	RSN1605_DUZCE_DZC180.AT2 RSN1605_DUZCE_DZC270.AT2 RSN1605_DUZCE_DZC-UP.AT2
3746	Cape Mendocino Centerville Beach, Naval Fac 1992	7.01	16	459.04	Reverse	4.5	2.52	RSN3746_CAPEMEND_CBF270.AT2 RSN3746_CAPEMEND_CBF360.AT2 RSN3746_CAPEMEND_CBF-UP.AT2
4781	Wenchuan, China Jiangyouchonghua 2008	7.9	27	430.47	Reverse O	18.4	3.38	RSN4781_WENCHUAN_UA1027.AT2 RSN4781_WENCHUAN_UA1028.AT2 RSN4781_WENCHUAN_UA1029.AT2
4853	Chuetsu-oki Joetsu City 2007	6.8	26	294.71	Reverse	14.7	3.93	RSN4853_CHUETSU_65019NS.AT2 RSN4853_CHUETSU_65019EW.AT2 RSN4853_CHUETSU_65019UD.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	3.52	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	3.09	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	3.12	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	1.1	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2

Site	08 Northridget							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
5814	Iwate Furukawa Osaki City 2008	6.9	31	248.19	Reverse	12.3	3.78	RSN5814_IWATE_44B91NS.AT2 RSN5814_IWATE_44B91EW.AT2 RSN5814_IWATE_44B91UD.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	3.66	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6877	Joshua Tree, CA Indio - Jackson Road 1992	6.1	25	292.12	strike slip	4.2	3.76	RSN6877_JOSHUA_5294180.AT2 RSN6877_JOSHUA_5294090.AT2 RSN6877_JOSHUA_5294_UP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	2.14	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6923	Darfield, New Zealand Kaiapoi North School 2010	7	31	255	strike slip	9.3	3.56	RSN6923_DARFIELD_KPOCN15E.AT2 RSN6923_DARFIELD_KPOCS75E.AT2 RSN6923_DARFIELD_KPOCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	2.17	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8067	Christchurch, New Zealand Christchurch Cashmere High School 2011	6.2	4	204	Reverse O	3.1	2.58	RSN8067_CCHURCH_CMHSN10E.AT2 RSN8067_CCHURCH_CMHSS80E.AT2 RSN8067_CCHURCH_CMHSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	2.67	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.9	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	3.65	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**

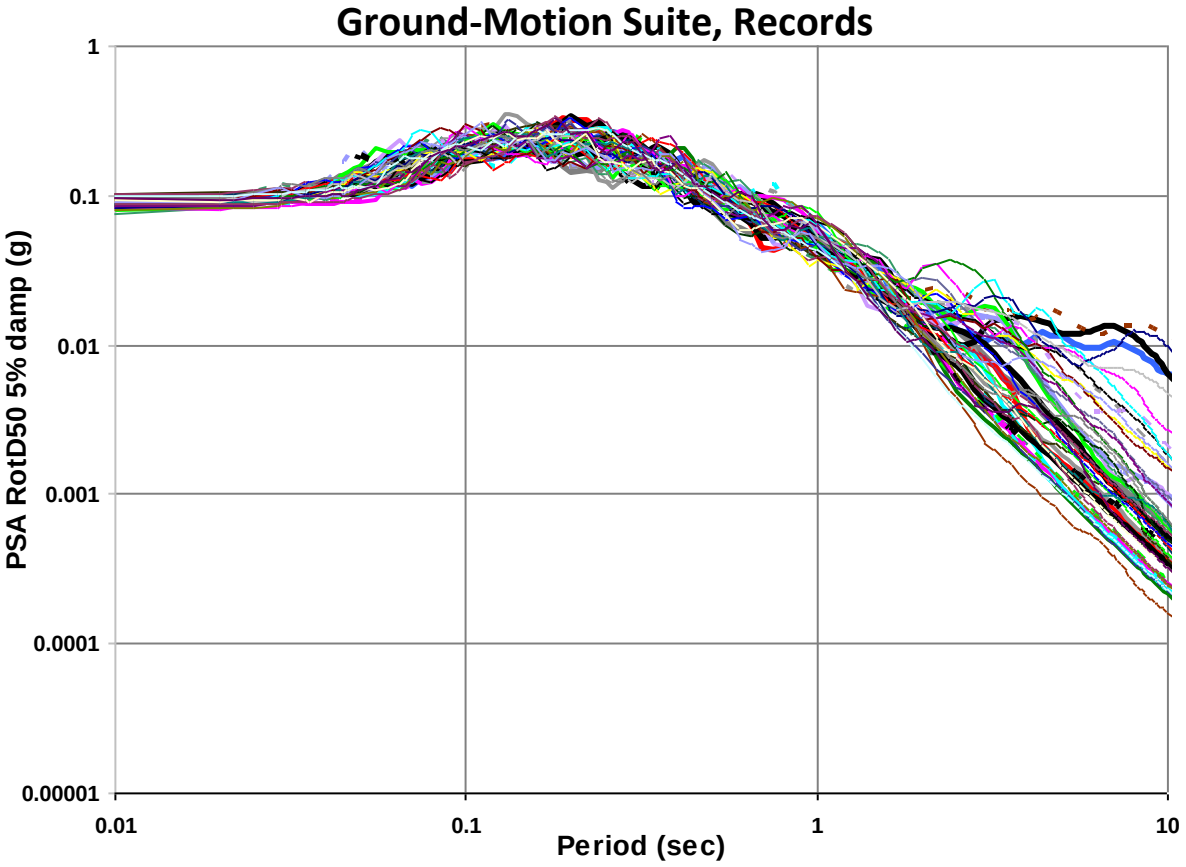
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.34	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.32	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.29	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	1.22	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	0.78	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.58	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	0.43	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	0.49	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	0.37	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.25	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.47	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.52	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

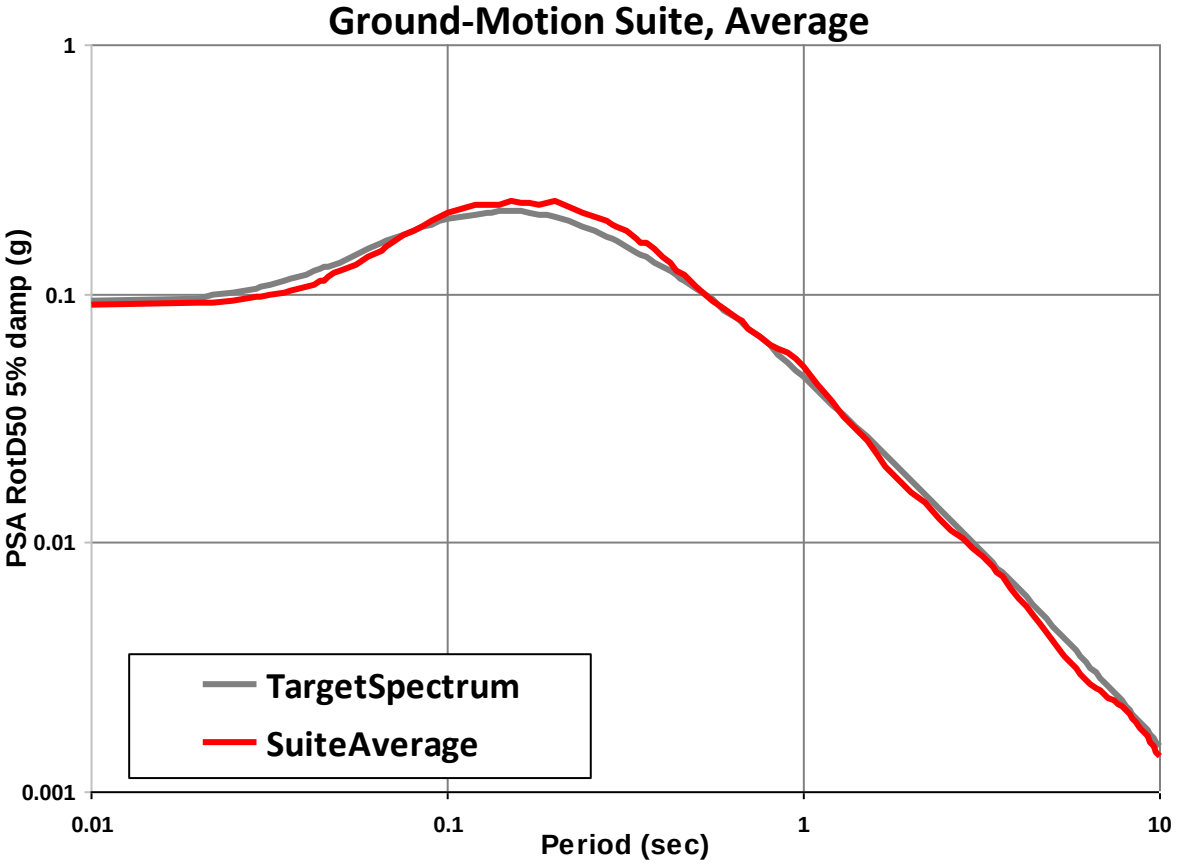
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.36	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
954	Northridge-01 Big Tujunga, Angeles Nat F 1994	6.69	19	550.11	Reverse	5.8	0.27	RSN954_NORTHR_TUJ262.AT2 RSN954_NORTHR_TUJ352.AT2 RSN954_NORTHR_TUJ-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	0.27	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.34	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	0.59	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.38	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	0.58	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.27	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.38	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	0.77	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	1.1	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.22	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.34	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.93	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	0.73	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3201	Chi-Chi, Taiwan-05 TCU101 1999	6.2	50	389.41	Reverse	9.3	0.97	RSN3201_CHICHI.05_TCU101N.AT2 RSN3201_CHICHI.05_TCU101E.AT2 RSN3201_CHICHI.05_TCU101V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.35	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3713	Whittier Narrows-02 LA - N Figueroa St 1987	5.27	8	364.91	Reverse O	1.7	0.67	RSN3713_WHITTIER.B_B-FIG058.AT2 RSN3713_WHITTIER.B_B-FIG328.AT2 RSN3713_WHITTIER.B_B-FIG-UP.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.43	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.36	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.32	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.44	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.41	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4193	Niigata, Japan NGNH29 2004	6.63	45	464.92	Reverse	8.4	0.44	RSN4193_NIIGATA_NGNH29NS.AT2 RSN4193_NIIGATA_NGNH29EW.AT2 RSN4193_NIIGATA_NGNH29UD.AT2
4278	Friuli (aftershock 9), Italy San Rocco 1976	5.5	12	649.67	Reverse	1.1	0.64	RSN4278_FRIULI.P_W-SRO000.AT2 RSN4278_FRIULI.P_W-SRO090.AT2 RSN4278_FRIULI.P_W-SRO-UP.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	0.88	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
4365	Umbria Marche (aftershock 1), Italy Colfiorito-Casermette 1997	5.5	2	405	Normal	2.1	0.29	RSN4365_UBMARCHE.P_E-CLC180.A RSN4365_UBMARCHE.P_E-CLC270.A RSN4365_UBMARCHE.P_E-CLC-DN.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.64	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	1.88	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.75	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	0.83	RSN4553_L-AQUILA.B_CW119XTE.AT RSN4553_L-AQUILA.B_CW119YLN.AT RSN4553_L-AQUILA.B_CW119ZUP.AT
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.26	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.26	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	0.95	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.45	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.62	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.79	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.67	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

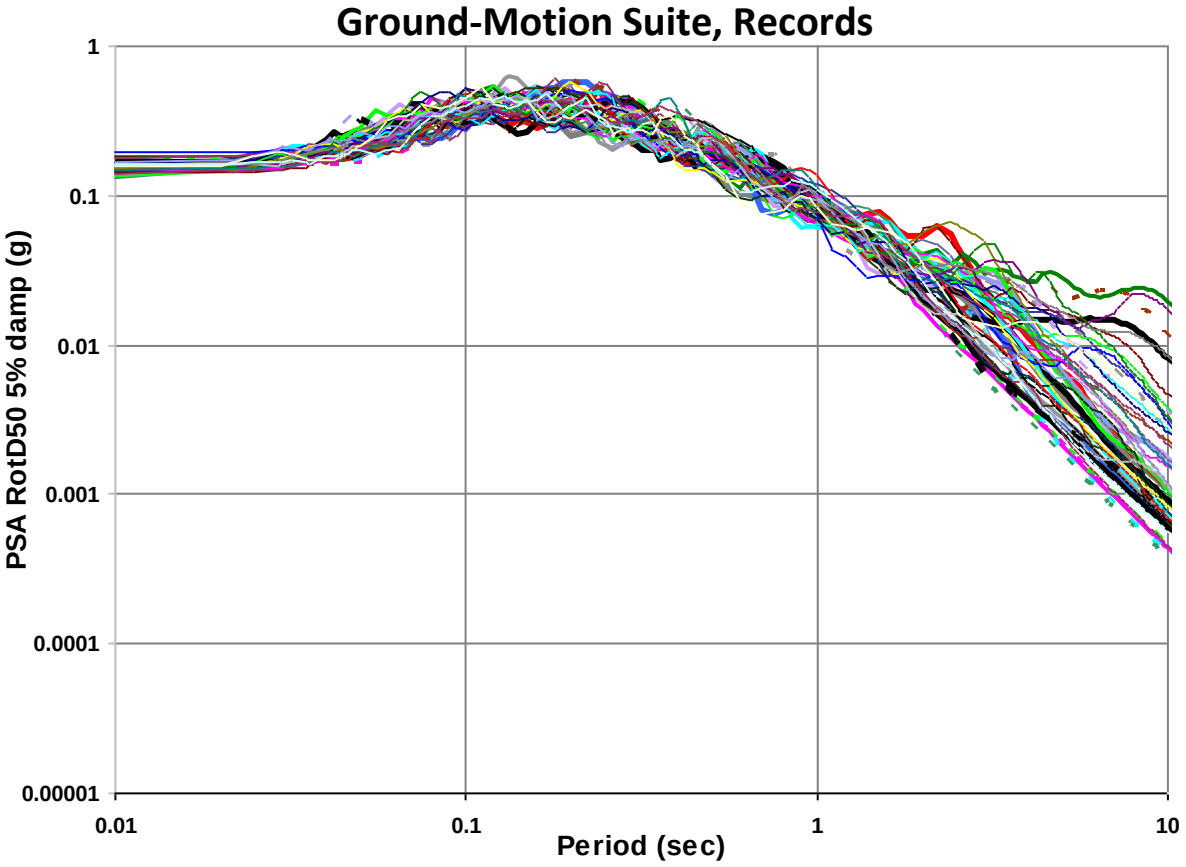
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.56	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.53	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.47	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	2.01	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	1.28	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.31	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.95	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.31	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.33	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	0.8	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	0.6	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.42	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2

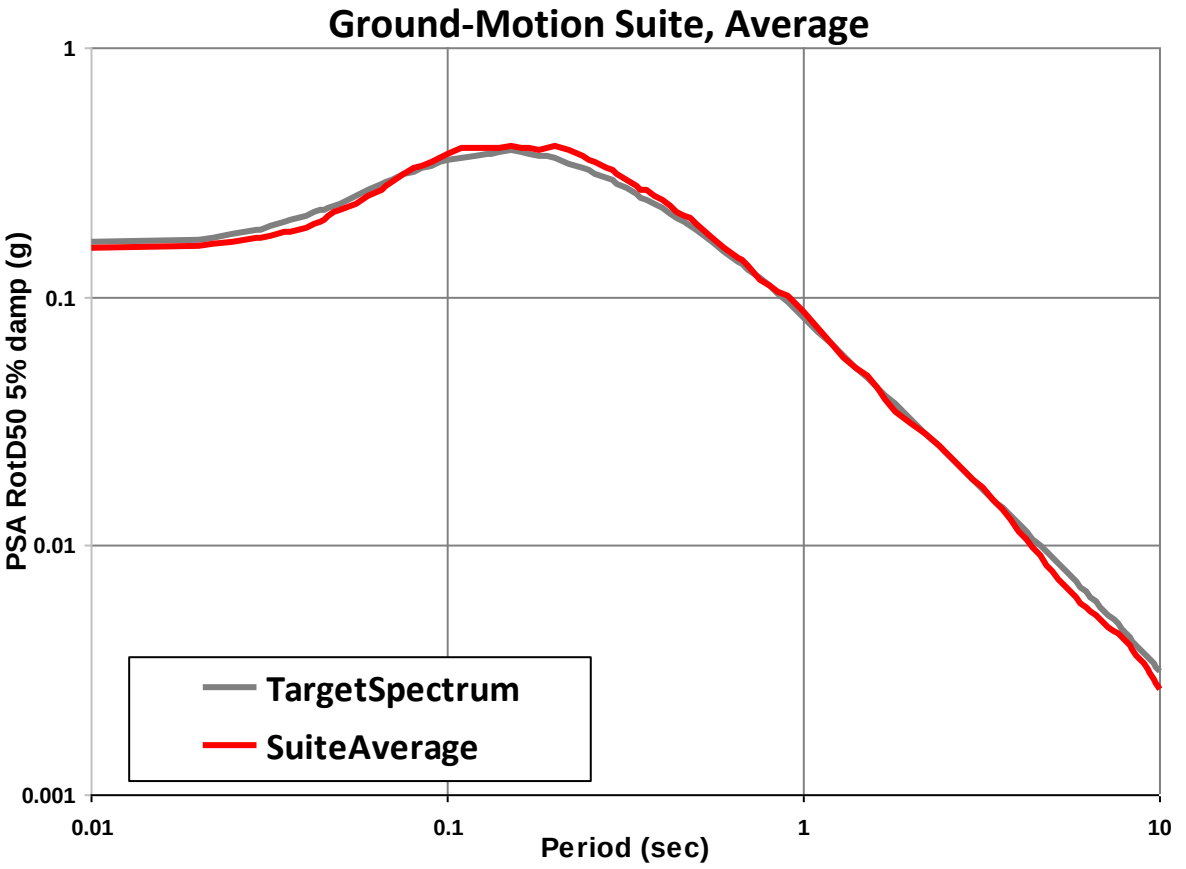
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.25	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.76	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.86	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
954	Northridge-01 Big Tujunga, Angeles Nat F 1994	6.69	19	550.11	Reverse	5.8	0.45	RSN954_NORTHR_TUJ262.AT2 RSN954_NORTHR_TUJ352.AT2 RSN954_NORTHR_TUJ-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.56	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	0.96	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.62	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	0.95	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.45	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.34	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.63	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	1.81	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.27	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
3175	Chi-Chi, Taiwan-05 TCU049 1999	6.2	46	487.27	Reverse	10.1	1.41	RSN3175_CHICHI.05_TCU049N.AT2 RSN3175_CHICHI.05_TCU049E.AT2 RSN3175_CHICHI.05_TCU049V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.54	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	1.2	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3201	Chi-Chi, Taiwan-05 TCU101 1999	6.2	50	389.41	Reverse	9.3	1.59	RSN3201_CHICHI.05_TCU101N.AT2 RSN3201_CHICHI.05_TCU101E.AT2 RSN3201_CHICHI.05_TCU101V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.57	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.71	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.59	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.53	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.72	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4278	Friuli (aftershock 9), Italy San Rocco 1976	5.5	12	649.67	Reverse	1.1	1.05	RSN4278_FRIULI.P_W-SRO000.AT2 RSN4278_FRIULI.P_W-SRO090.AT2 RSN4278_FRIULI.P_W-SRO-UP.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	1.45	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4365	Umbria Marche (aftershock 1), Italy Colfiorito-Casermette 1997	5.5	2	405	Normal	2.1	0.47	RSN4365_UBMARCHE.P_E-CLC180.A RSN4365_UBMARCHE.P_E-CLC270.A RSN4365_UBMARCHE.P_E-CLC-DN.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.05	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	3.09	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.24	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.42	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.32	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.42	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	0.33	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.34	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	1.56	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.3	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.74	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	1.01	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.3	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8884	14383980 Brea - Central Ave Caltrans Yard 2008	5.39	9	396.21	Reverse O	1.3	0.5	RSN8884_14383980_13873360.AT2 RSN8884_14383980_13873090.AT2 RSN8884_14383980_13873-UP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

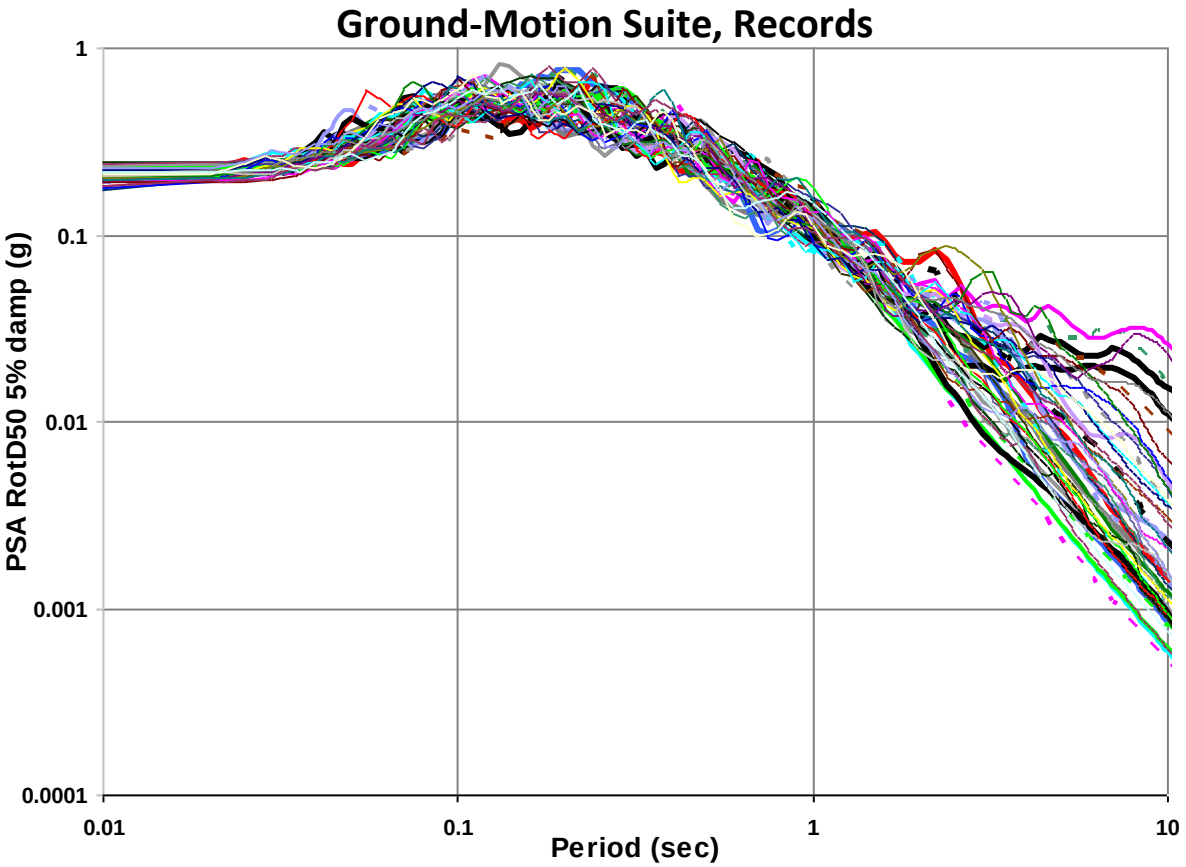
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.99	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.94	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.84	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	3.56	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.33	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.54	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.67	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.54	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.58	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	1.42	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	1.06	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.74	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2

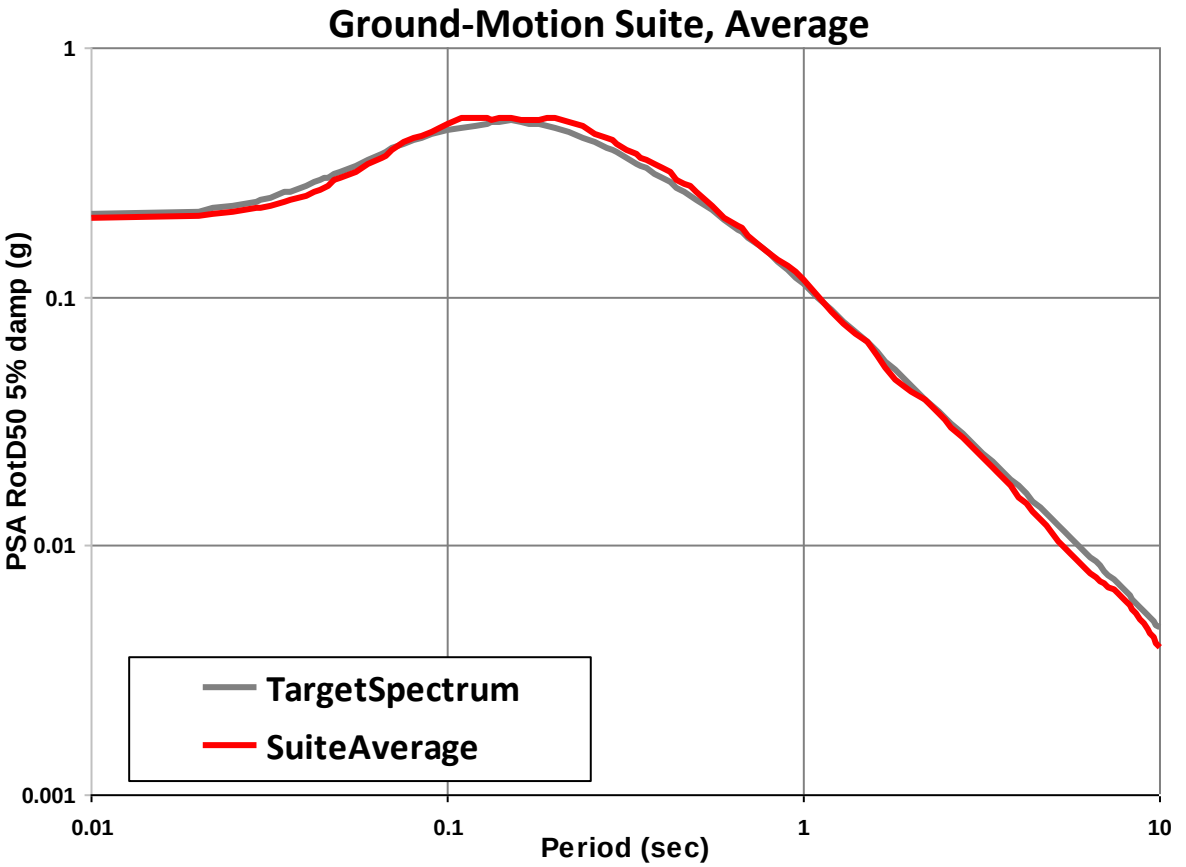
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.35	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.52	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.41	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.41	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	1	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.42	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	1.09	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	1.68	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.79	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.61	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	3.2	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.48	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3175	Chi-Chi, Taiwan-05 TCU049 1999	6.2	46	487.27	Reverse	10.1	2.5	RSN3175_CHICHI.05_TCU049N.AT2 RSN3175_CHICHI.05_TCU049E.AT2 RSN3175_CHICHI.05_TCU049V.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.71	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	2.11	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3201	Chi-Chi, Taiwan-05 TCU101 1999	6.2	50	389.41	Reverse	9.3	2.8	RSN3201_CHICHI.05_TCU101N.AT2 RSN3201_CHICHI.05_TCU101E.AT2 RSN3201_CHICHI.05_TCU101V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	1.01	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.25	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.05	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.94	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.27	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.39	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	2.57	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.85	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.26	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.19	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.41	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4842	Chuetsu-oki Joetsu Uragawaraku Kamabucchi 2007	6.8	19	655.45	Reverse	3	0.41	RSN4842_CHUETSU_65005NS.AT2 RSN4842_CHUETSU_65005EW.AT2 RSN4842_CHUETSU_65005UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.36	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.74	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.56	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	0.75	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	0.59	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.6	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	2.76	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.53	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.31	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.29	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

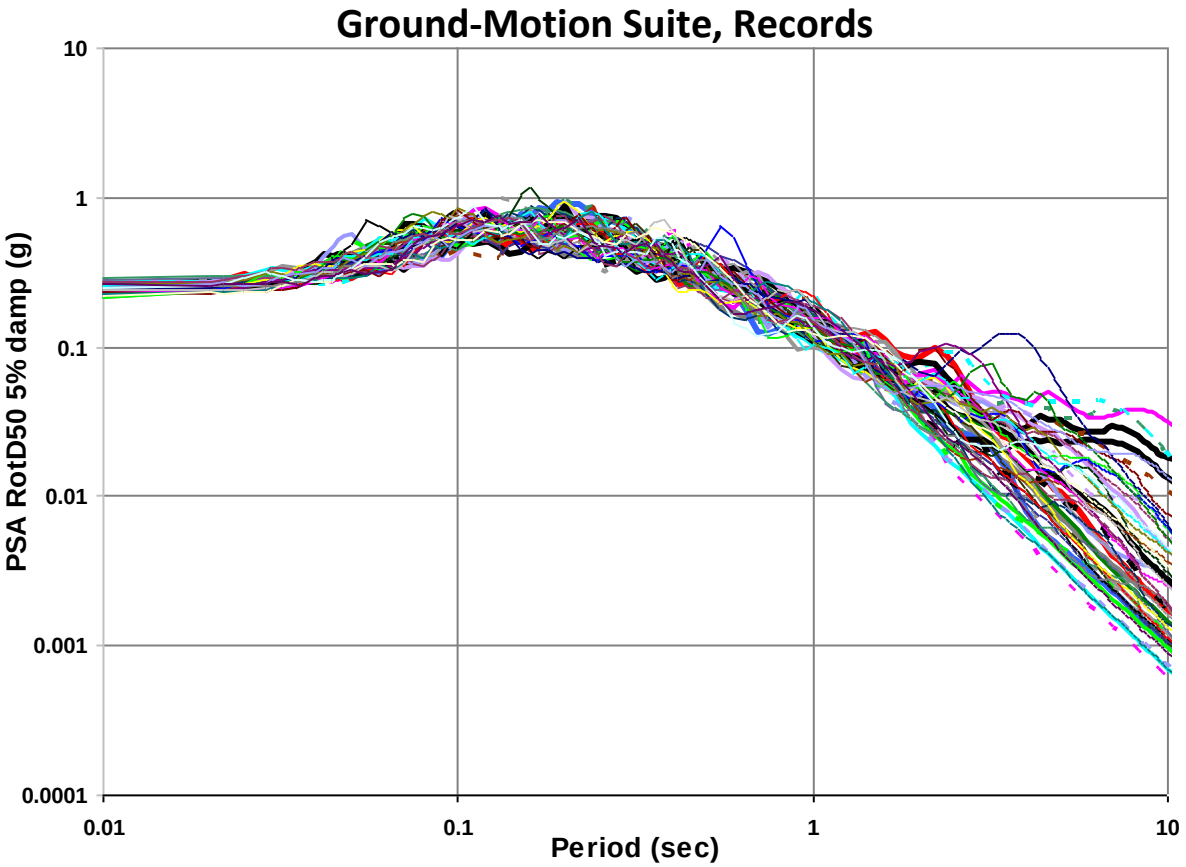
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.31	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.25	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.11	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.44	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.72	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.23	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.72	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.77	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	1.88	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	1.41	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.98	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.8	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2

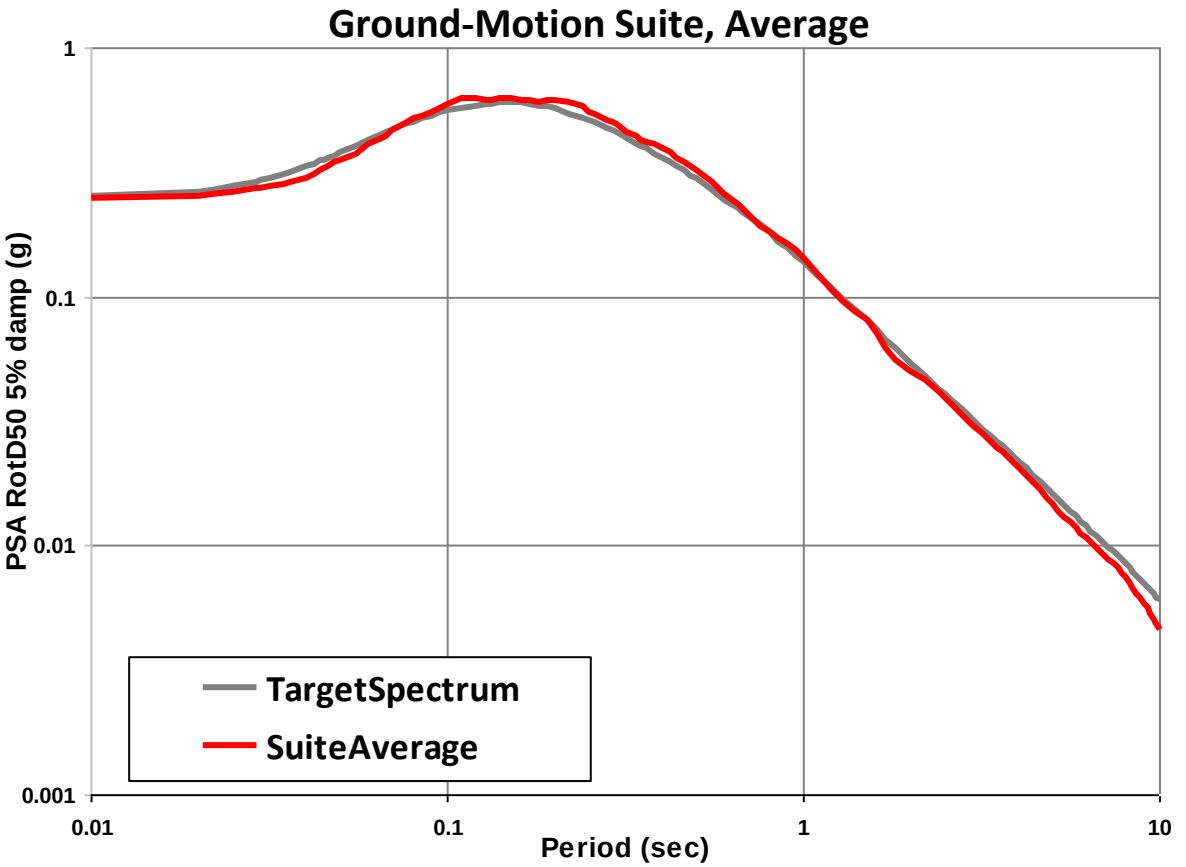
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	2.02	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.54	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.54	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	1.33	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	2.26	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.56	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.27	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	1.45	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	2.23	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.05	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.81	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.64	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	3.61	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	2.81	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3201	Chi-Chi, Taiwan-05 TCU101 1999	6.2	50	389.41	Reverse	9.3	3.73	RSN3201_CHICHI.05_TCU101N.AT2 RSN3201_CHICHI.05_TCU101E.AT2 RSN3201_CHICHI.05_TCU101V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	1.34	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.67	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.4	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.25	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.69	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.31	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.52	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	3.42	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.46	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.35	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	0.43	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.92	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.54	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.48	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.99	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.75	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	0.78	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.79	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5830	El Mayor-Cucapah RANCHO SAN LUIS 2010	7.2	44	523.99	strike slip	21.4	3.68	RSN5830_SIERRA.MEX_RSL000.AT2 RSN5830_SIERRA.MEX_RSL090.AT2 RSN5830_SIERRA.MEX_RSL--V.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.7	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.74	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	3.05	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

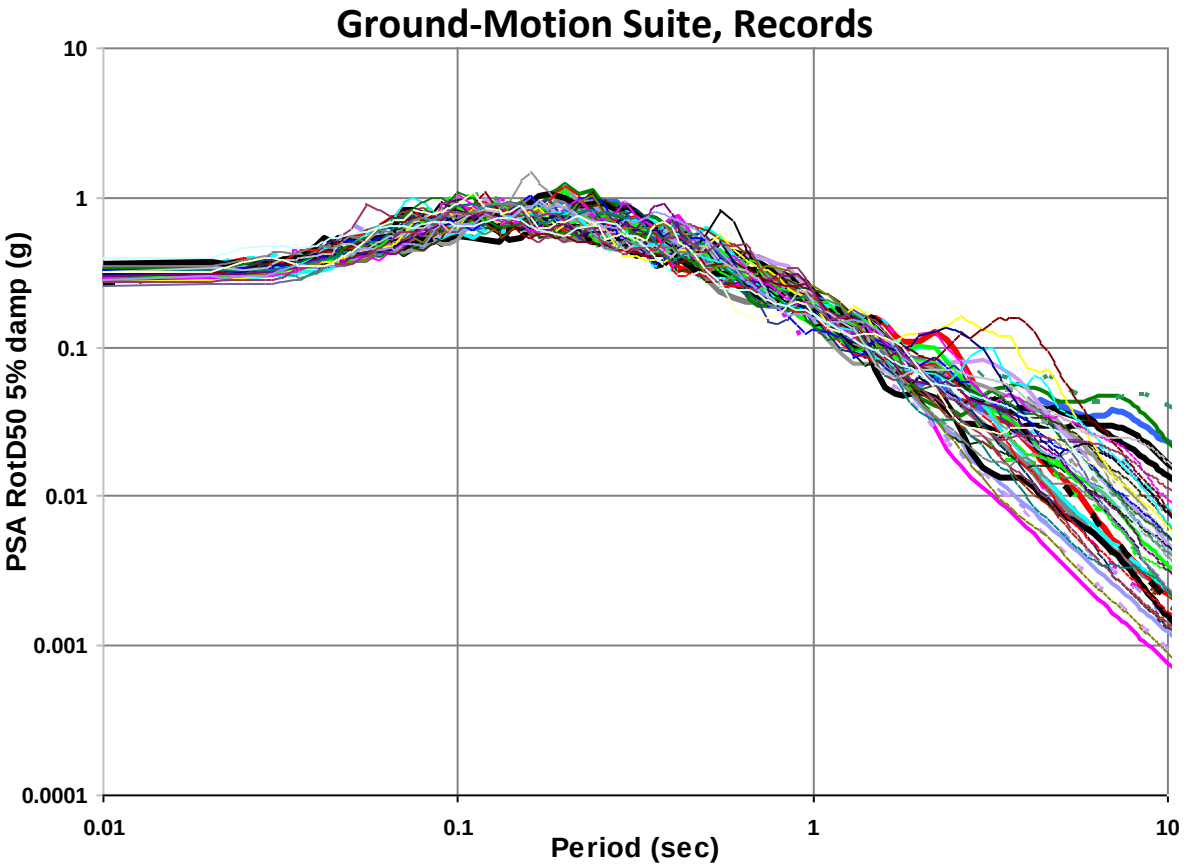
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.58	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.5	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.34	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.52	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.87	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.68	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.86	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.92	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	2.26	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	1.7	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	1.18	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.71	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2

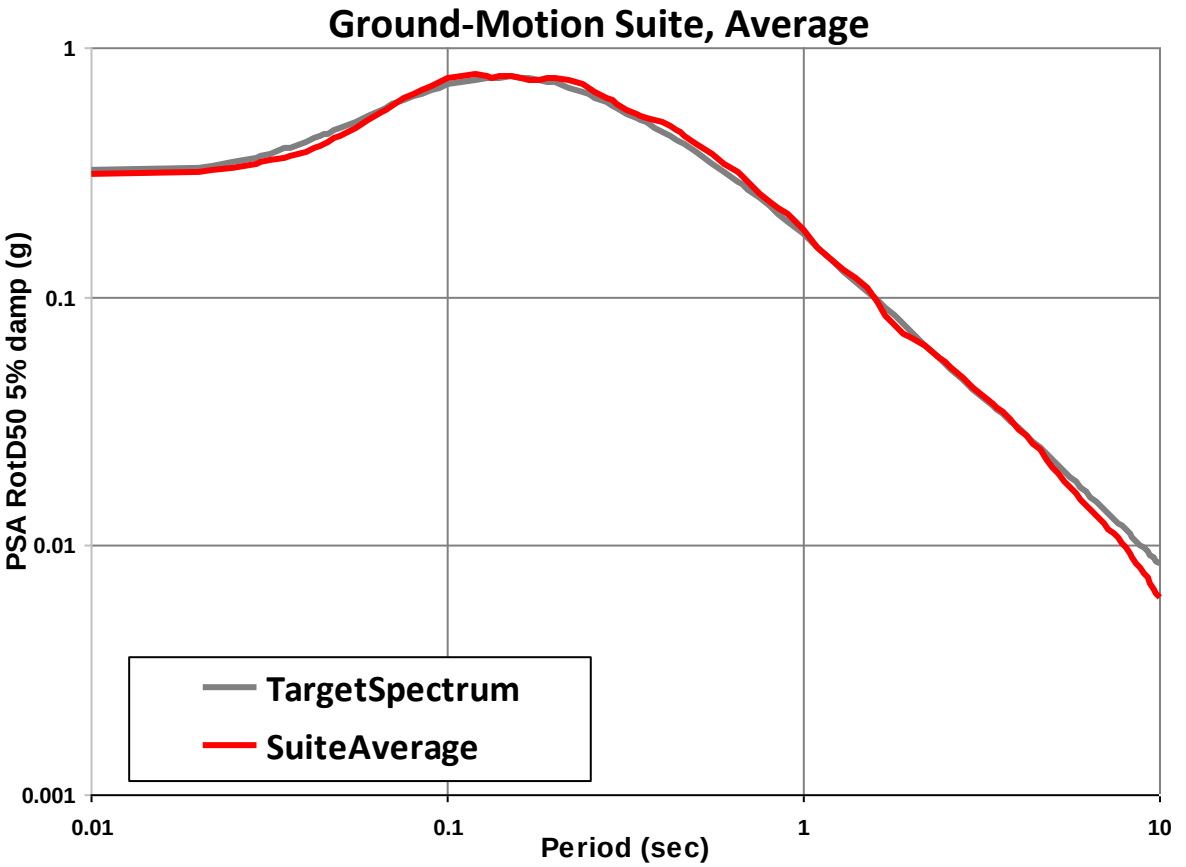
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.16	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	2.43	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.65	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.65	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	1.59	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	2.72	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.67	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.33	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	1.75	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	2.68	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.26	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.97	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	3.58	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.77	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3192	Chi-Chi, Taiwan-05 TCU082 1999	6.2	44	472.81	Reverse	7.9	3.38	RSN3192_CHICHI.05_TCU082N.AT2 RSN3192_CHICHI.05_TCU082E.AT2 RSN3192_CHICHI.05_TCU082V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	1.61	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.01	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.68	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.5	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.03	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4193	Niigata, Japan NGNH29 2004	6.63	45	464.92	Reverse	8.4	2.04	RSN4193_NIIGATA_NGNH29NS.AT2 RSN4193_NIIGATA_NGNH29EW.AT2 RSN4193_NIIGATA_NGNH29UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.37	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.63	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.96	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.42	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	0.52	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	3.5	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.65	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.57	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.57	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.19	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.9	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.2	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	0.94	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	0.94	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.95	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.85	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	2.09	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	3.67	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

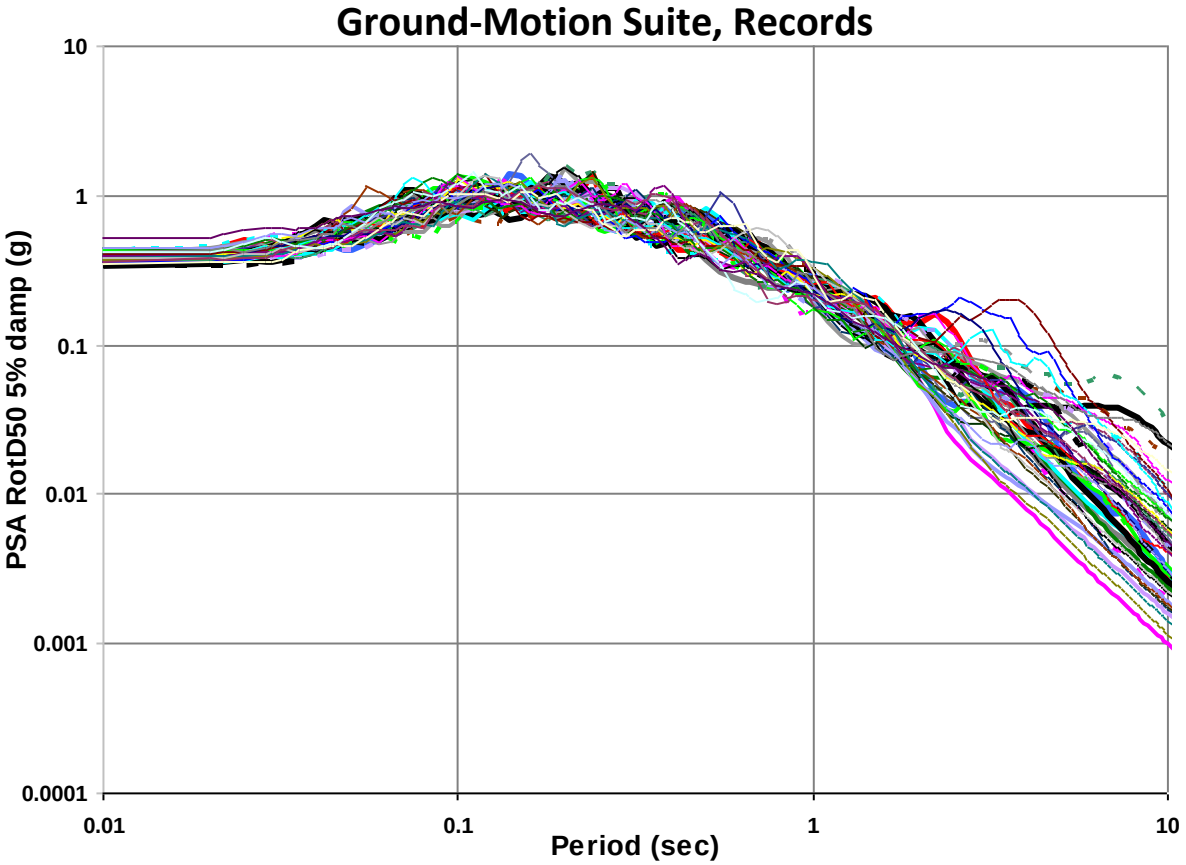
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.9	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.7	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.67	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.31	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	3.4	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.1	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	1.17	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	1.5	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.91	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.74	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	3.09	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2

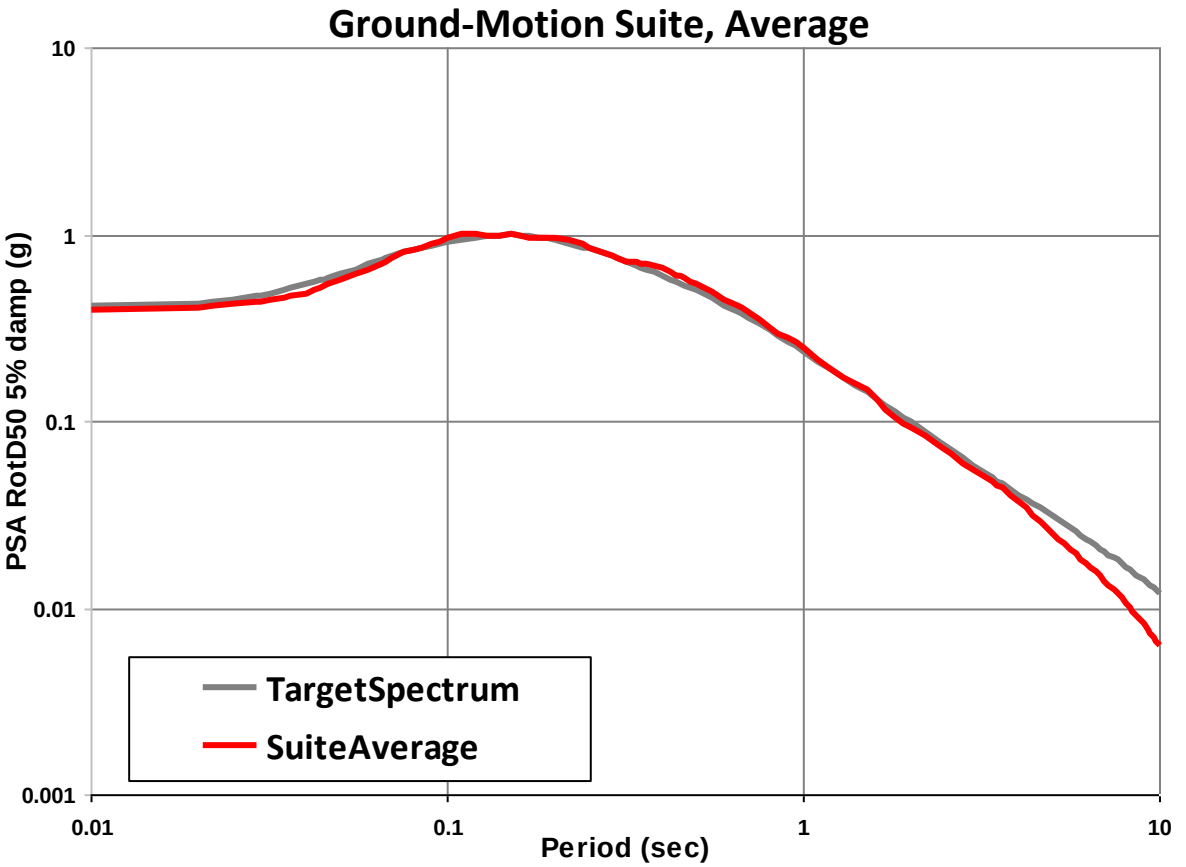
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.83	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.96	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.28	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.82	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1302	Chi-Chi, Taiwan HWA057 1999	7.62	46	671.52	Reverse O	12.4	3.45	RSN1302_CHICHI_HWA057-E.AT2 RSN1302_CHICHI_HWA057-N.AT2 RSN1302_CHICHI_HWA057-V.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	0.85	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.41	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	2.22	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1626	Sitka, Alaska Sitka Observatory 1972	7.68	35	649.67	strike slip	12.6	3.41	RSN1626_SITKA_212V5090.AT2 RSN1626_SITKA_212V5180.AT2 RSN1626_SITKA_212V5-UP.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.6	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.76	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.98	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.21	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	2.04	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.55	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	2.13	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.9	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.57	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.44	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4193	Niigata, Japan NGNH29 2004	6.63	45	464.92	Reverse	8.4	2.59	RSN4193_NIIGATA_NGNH29NS.AT2 RSN4193_NIIGATA_NGNH29EW.AT2 RSN4193_NIIGATA_NGNH29UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.47	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.55	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.8	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.75	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.53	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	0.66	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.83	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.72	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.73	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.51	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.58	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.14	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.52	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.19	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	1.19	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.21	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.07	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	2.65	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**

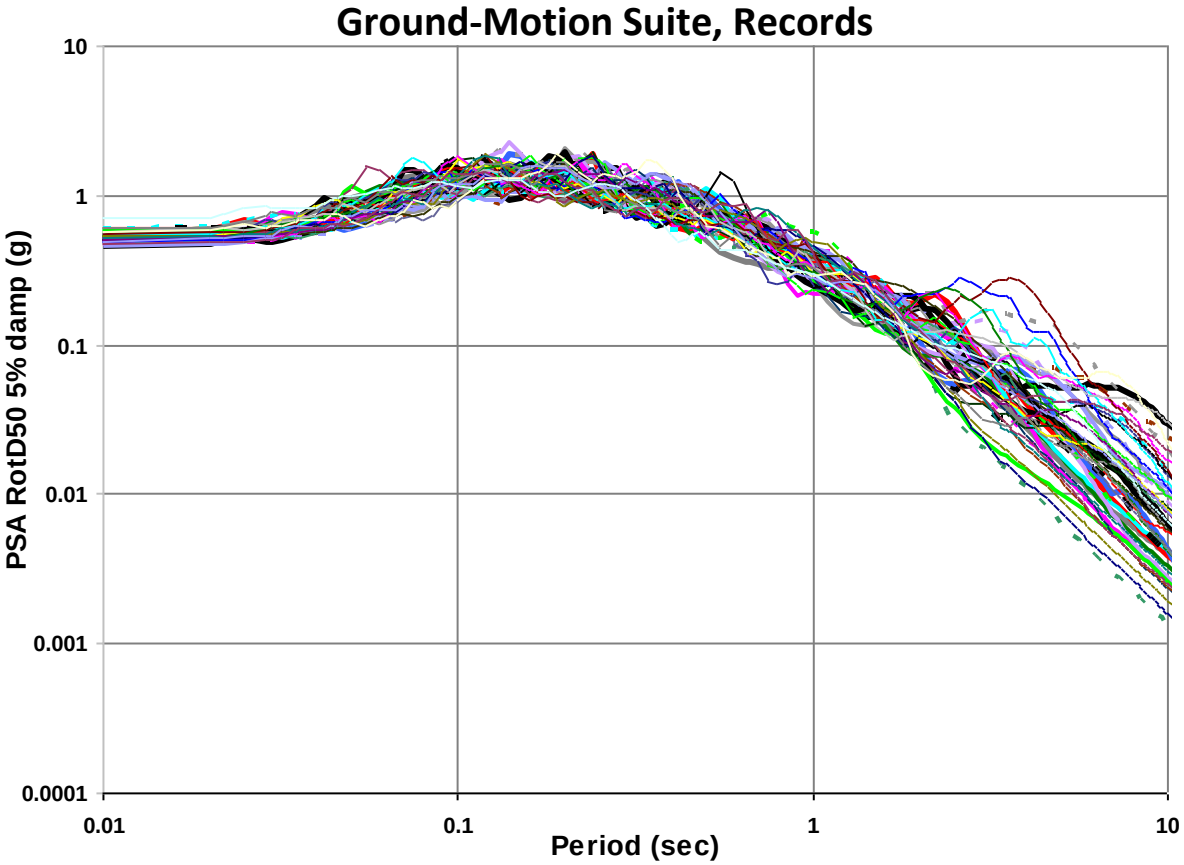
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.59	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	2.46	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.2	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.86	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.7	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.42	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	1.94	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.17	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	3.55	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.71	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.17	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.07	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2

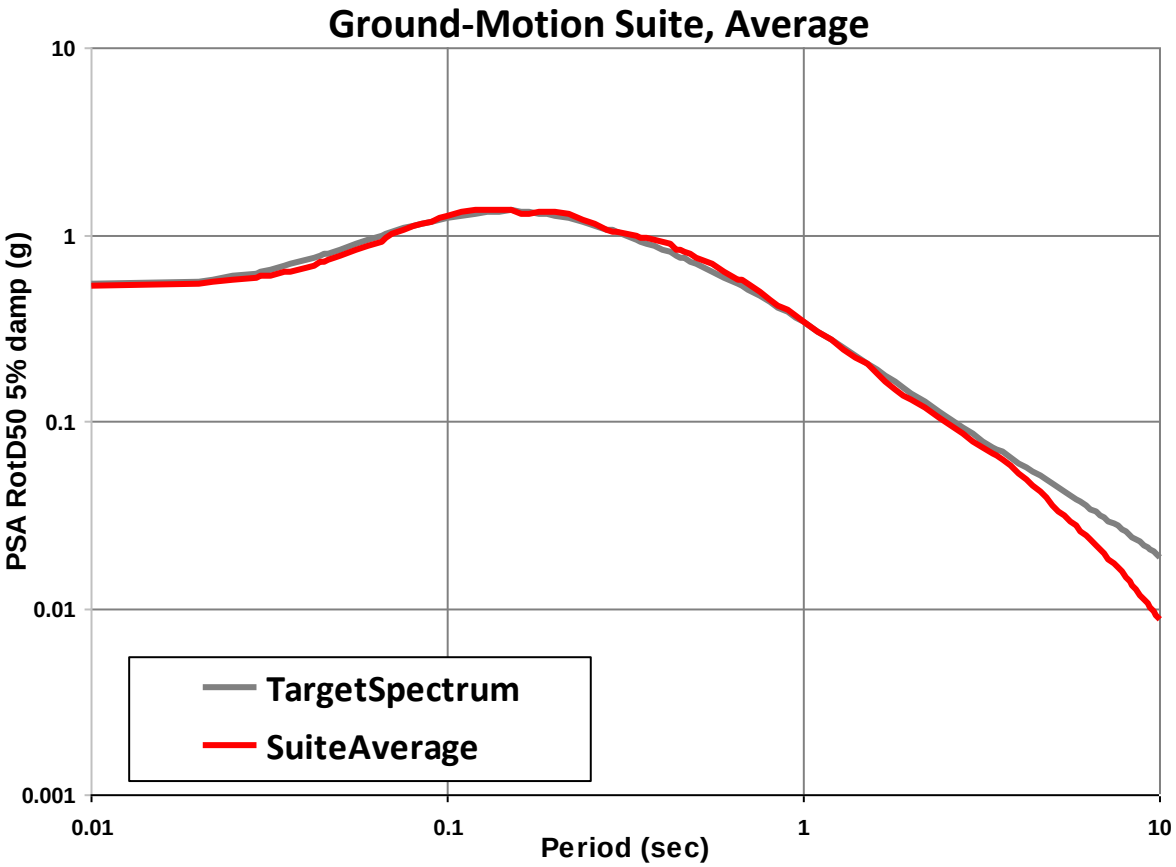
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.25	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.36	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.06	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	2.03	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	1.1	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.54	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	2.87	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.07	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	2.28	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	1.27	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.86	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	3.3	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.82	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	2.76	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.46	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.44	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	3.33	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	3.15	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4193	Niigata, Japan NGNH29 2004	6.63	45	464.92	Reverse	8.4	3.35	RSN4193_NIIGATA_NGNH29NS.AT2 RSN4193_NIIGATA_NGNH29EW.AT2 RSN4193_NIIGATA_NGNH29UD.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.13	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.61	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.72	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.03	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.68	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	0.85	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.07	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.93	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.94	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.95	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.75	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.29	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.48	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.97	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.54	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	1.54	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.57	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.39	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	3.43	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**

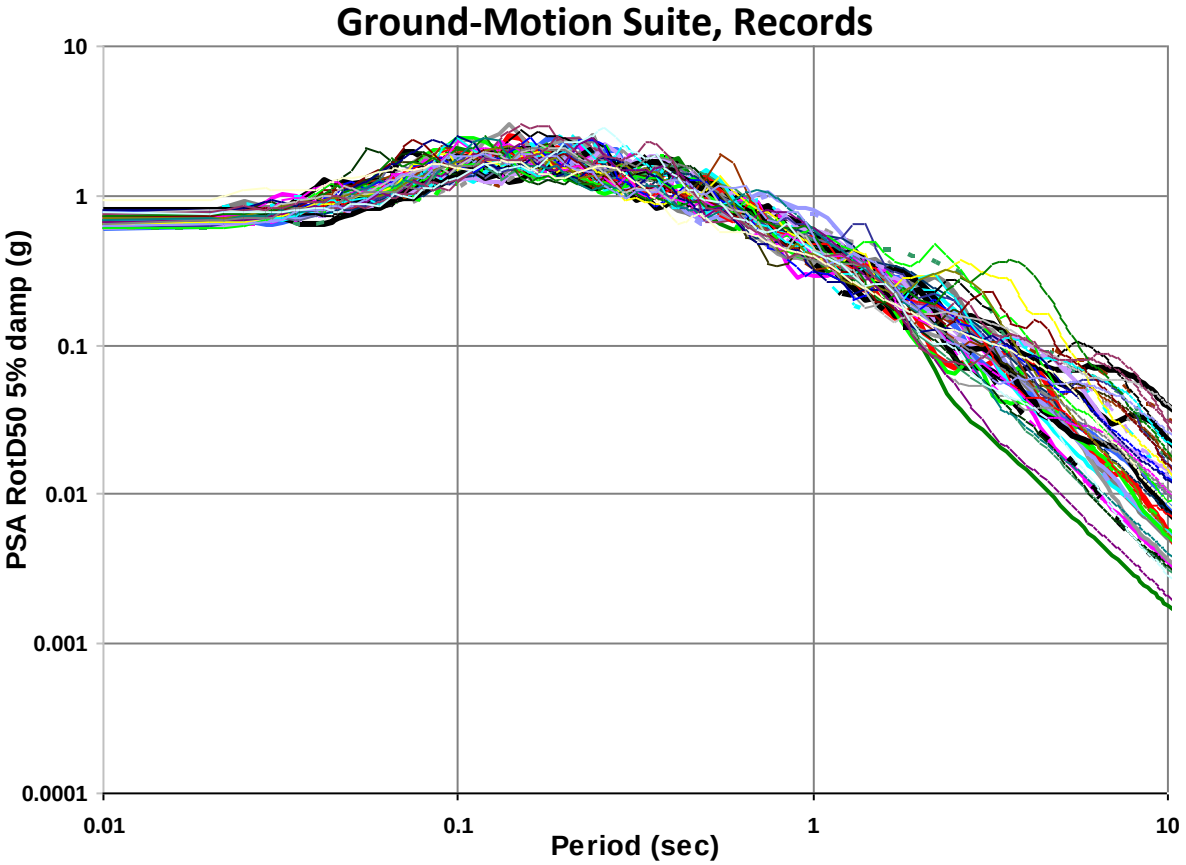
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	3.55	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	3.37	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	3.01	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.18	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.9	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.32	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	2.59	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.51	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.94	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.61	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	3.71	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.97	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

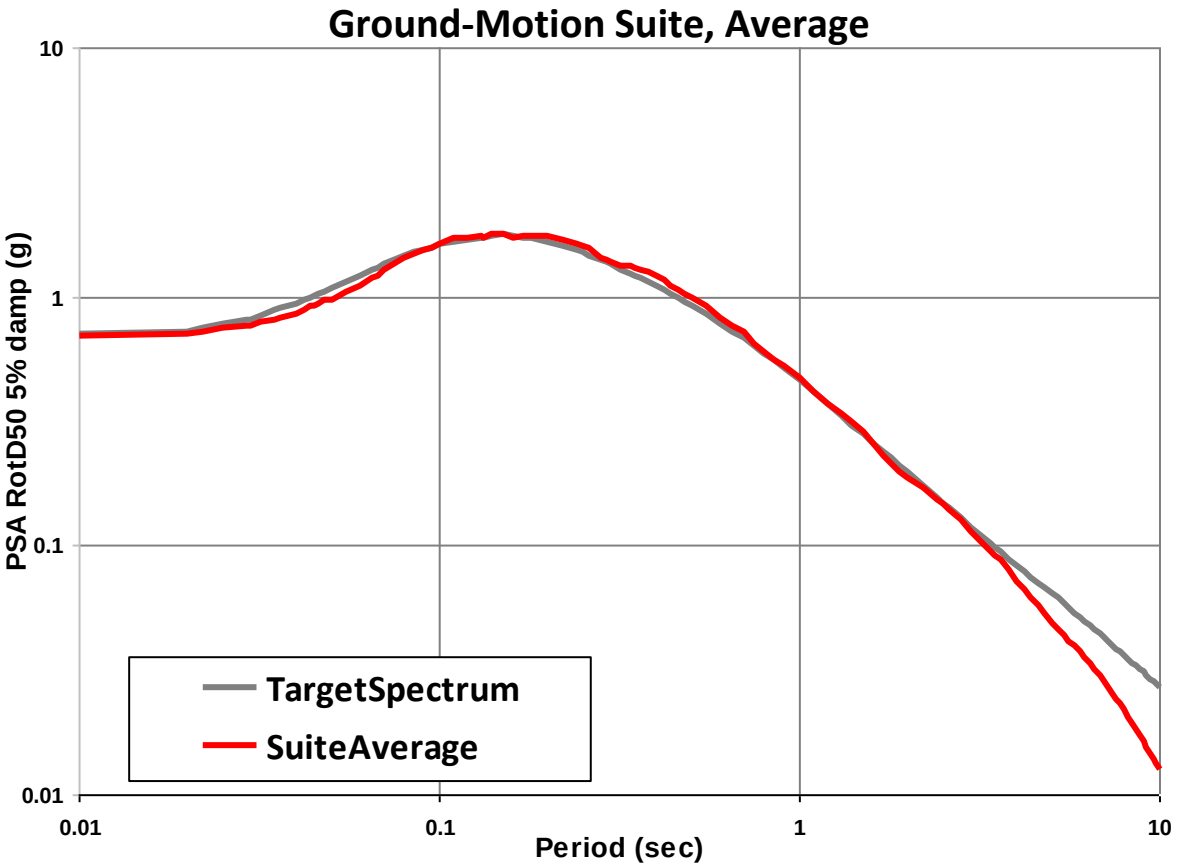
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.47	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.71	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.49	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.46	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	2.78	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	1.5	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.73	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.83	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	3.12	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	1.74	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	3.58	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	3.91	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.89	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.12	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	3.78	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	3.37	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.97	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.54	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.83	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.98	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.41	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.81	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.94	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	1.16	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.46	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.28	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.29	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	2.67	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.03	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.39	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.02	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	2.69	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.1	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.14	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	3.23	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.9	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	1.51	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**

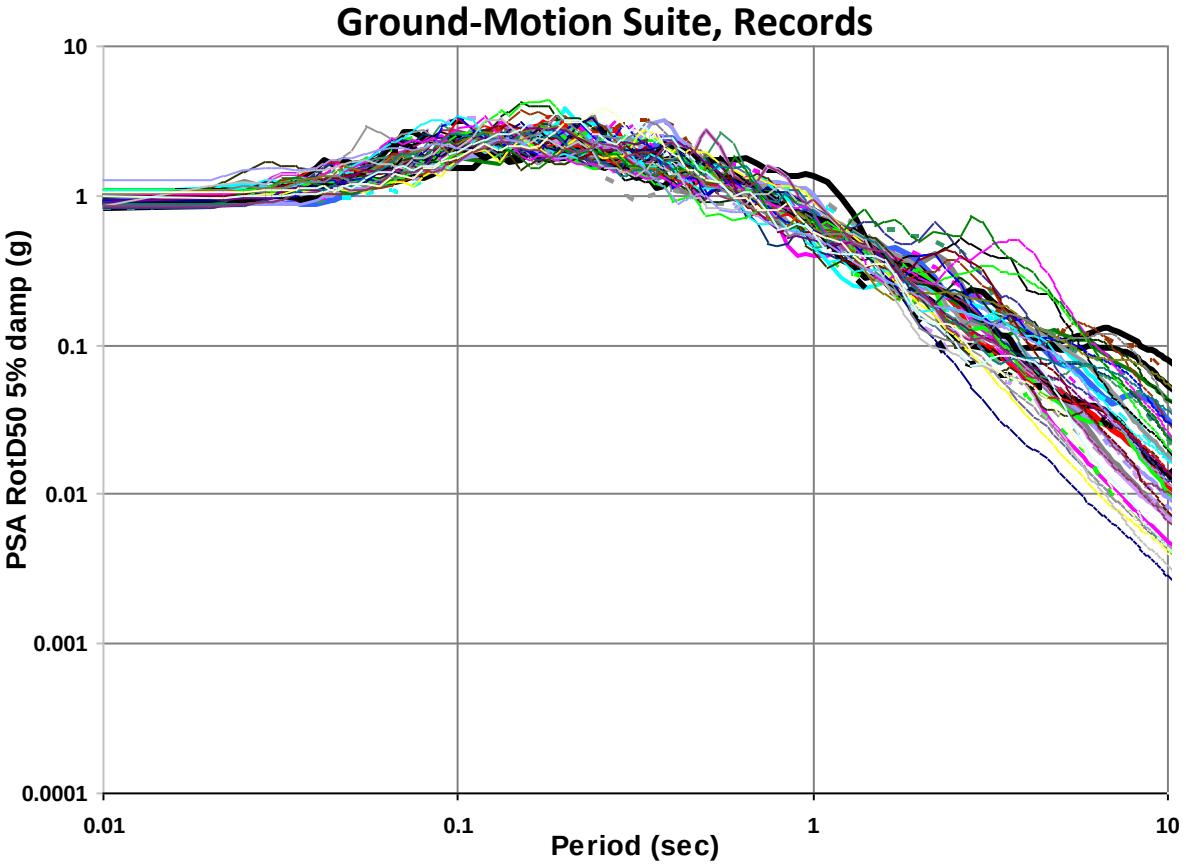
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.9	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.56	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	3.82	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	3.07	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	3.42	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	3.54	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	3.31	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	2.56	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.12	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	3.91	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.94	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.25	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2

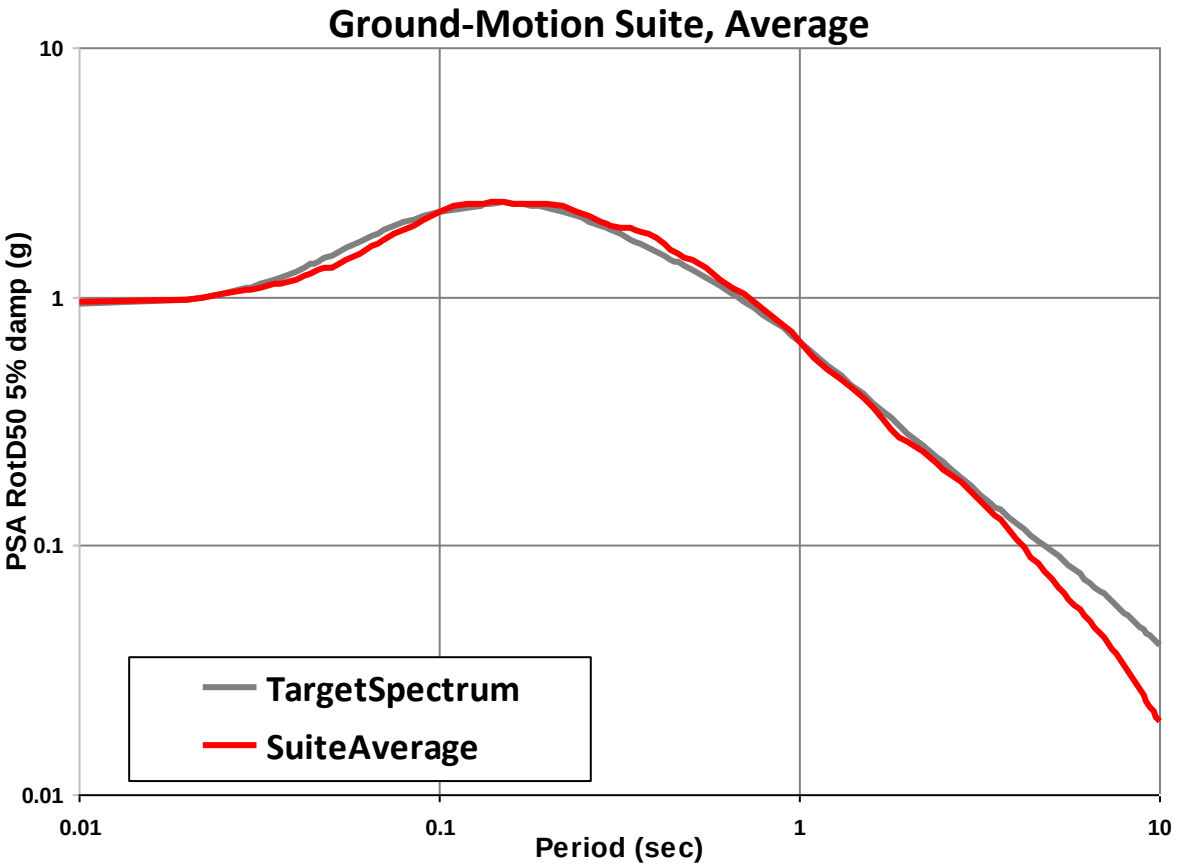
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.65	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.42	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.92	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	3.66	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	1.98	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.97	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	3.74	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.16	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	2.29	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	3.06	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	3.81	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.48	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.6	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	2.03	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.1	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.29	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.86	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	3.71	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.23	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	1.54	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.93	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.68	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4787	Wenchuan, China Jiangyoudizhentai 2008	7.9	23	475.59	Reverse O	27.2	1.44	RSN4787_WENCHUAN_UA1048.AT2 RSN4787_WENCHUAN_UA1049.AT2 RSN4787_WENCHUAN_UA1050.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	3.81	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	2.32	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.7	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.2	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	3.52	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.35	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.52	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.67	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	3.55	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.78	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	2.78	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.83	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	2.51	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	1.99	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2

Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	**08 Northridget**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**

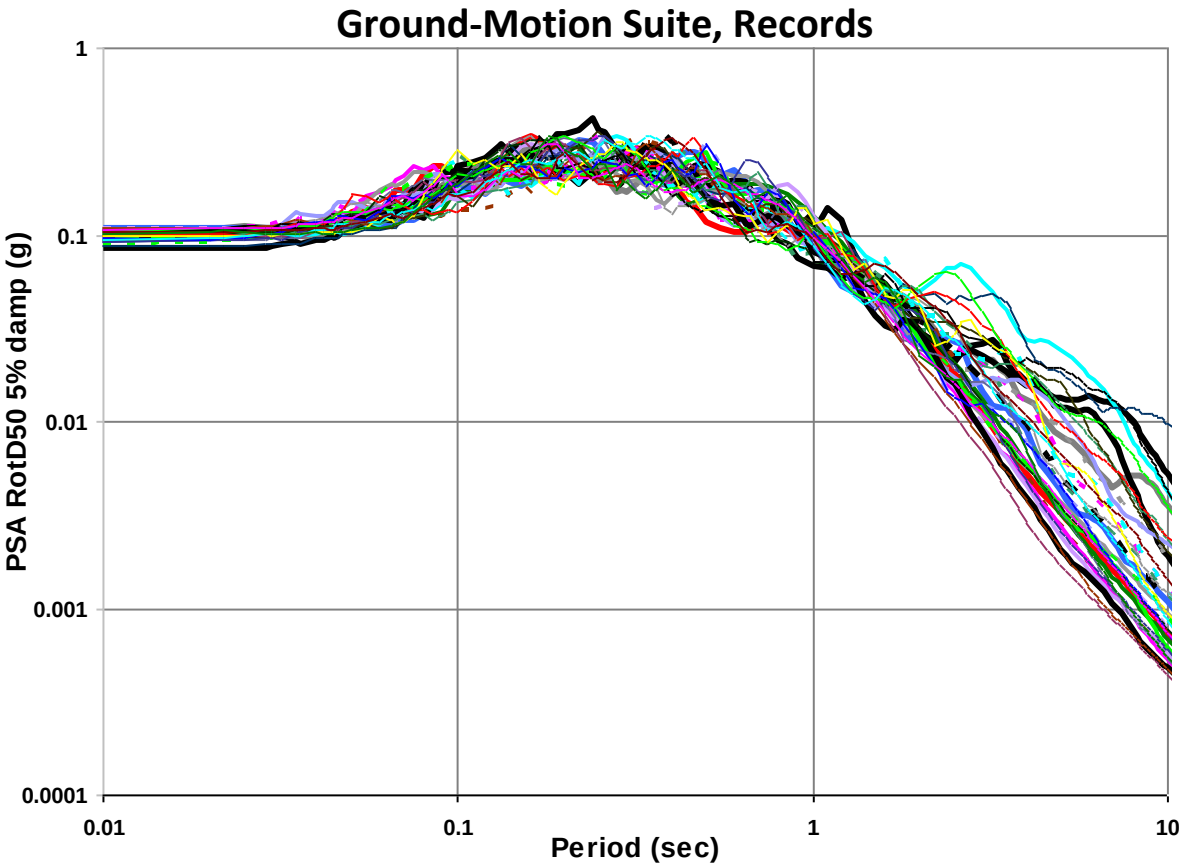
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	3.38	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	2.62	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	2.14	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	3.51	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.91	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	2.66	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	3.09	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
811	Loma Prieta WAHO 1989	6.93	11	388.33	Reverse O	7	1.55	RSN811_LOMAP_WAH000.AT2 RSN811_LOMAP_WAH090.AT2 RSN811_LOMAP_WAH-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.89	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.94	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
990	Northridge-01 LA - City Terrace 1994	6.69	35	365.22	Reverse	6	3.55	RSN990_NORTHR_LAC090.AT2 RSN990_NORTHR_LAC180.AT2 RSN990_NORTHR_LAC-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	2.64	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2

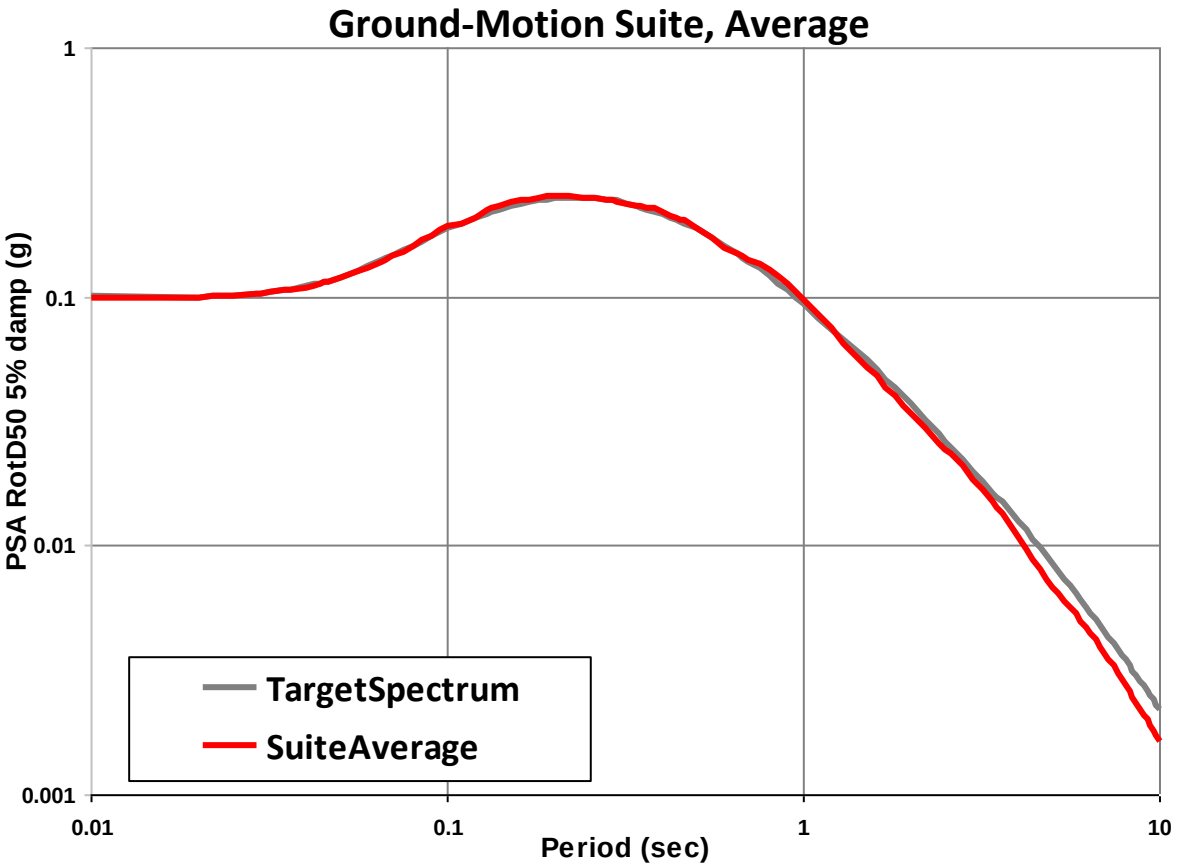
Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
1402	Chi-Chi, Taiwan NST 1999	7.62	38	491.08	Reverse O	8.5	2.72	RSN1402_CHICHI_NST-E.AT2 RSN1402_CHICHI_NST-N.AT2 RSN1402_CHICHI_NST-V.AT2
1487	Chi-Chi, Taiwan TCU047 1999	7.62	35	520.37	Reverse O	9.7	2.25	RSN1487_CHICHI_TCU047-E.AT2 RSN1487_CHICHI_TCU047-N.AT2 RSN1487_CHICHI_TCU047-V.AT2
1524	Chi-Chi, Taiwan TCU095 1999	7.62	45	446.63	Reverse O	8.3	1.76	RSN1524_CHICHI_TCU095-E.AT2 RSN1524_CHICHI_TCU095-N.AT2 RSN1524_CHICHI_TCU095-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	1.33	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.59	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	2.11	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	3.15	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	2.63	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	2.03	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	2.58	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	3.34	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	2.87	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	3.57	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	2.79	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.51	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.78	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	2.56	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.7	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	2.11	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	2.65	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	2.31	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4787	Wenchuan, China Jiangyoudizhentai 2008	7.9	23	475.59	Reverse O	27.2	1.98	RSN4787_WENCHUAN_UA1048.AT2 RSN4787_WENCHUAN_UA1049.AT2 RSN4787_WENCHUAN_UA1050.AT2
4873	Chuetsu-oki Kashiwazaki City Takayanagicho 2007	6.8	10	561.59	Reverse	3.5	1.84	RSN4873_CHUETSU_65056NS.AT2 RSN4873_CHUETSU_65056EW.AT2 RSN4873_CHUETSU_65056UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	3.18	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	2.33	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	3.02	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2

Site	08 Northridget							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.86	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.71	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5663	Iwate MYG004 2008	6.9	20	479.37	Reverse	7	1.48	RSN5663_IWATE_MYG004NS.AT2 RSN5663_IWATE_MYG004EW.AT2 RSN5663_IWATE_MYG004UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	3.67	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	3.81	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	3.82	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	3.88	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	2.83	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	3.44	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	2.73	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	3.31	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





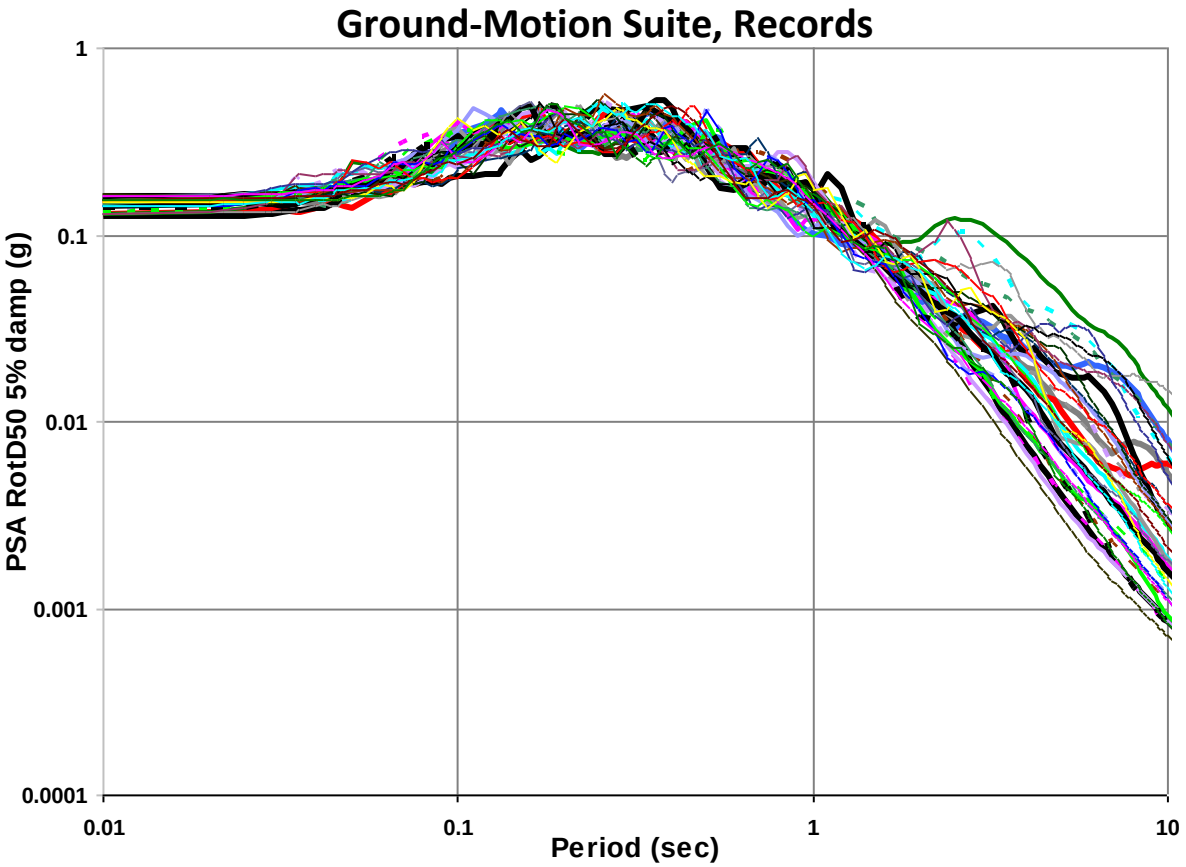
Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

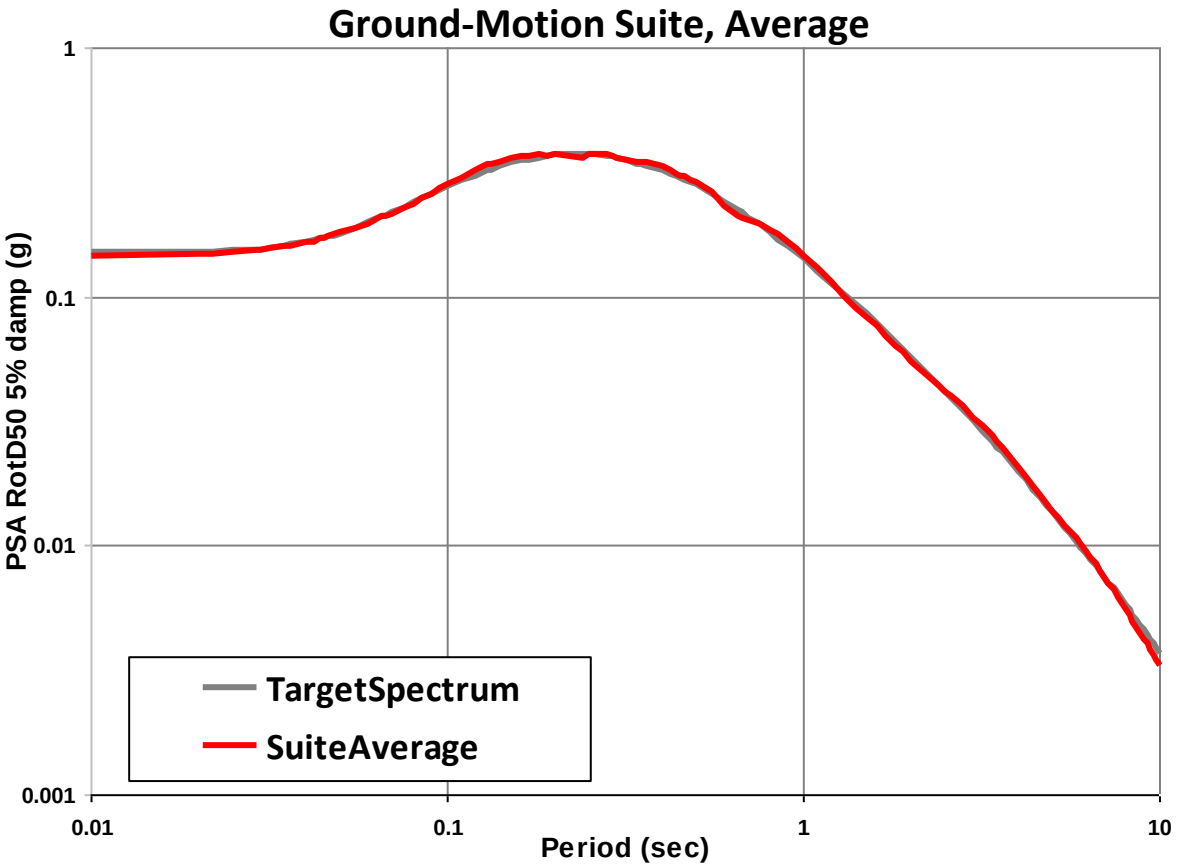
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	2.2	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	0.38	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.27	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.45	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.29	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
147	Coyote Lake Gilroy Array #2 1979	5.74	8	270.84	strike slip	1.4	0.38	RSN147_COYOTELK_G02050.AT2 RSN147_COYOTELK_G02140.AT2 RSN147_COYOTELK_G02-UP.AT2
154	Coyote Lake San Juan Bautista, 24 Polk St 1979	5.74	19	335.5	strike slip	6.1	1.07	RSN154_COYOTELK_SJB213.AT2 RSN154_COYOTELK_SJB303.AT2 RSN154_COYOTELK_SJB-UP.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.42	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.49	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.58	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.31	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.55	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	0.58	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A
457	Morgan Hill Gilroy Array #3 1984	6.19	13	349.85	strike slip	6.5	0.54	RSN457_MORGAN_G03000.AT2 RSN457_MORGAN_G03090.AT2 RSN457_MORGAN_G03-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.46	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
634	Whittier Narrows-01 LA - Fletcher Dr 1987	5.99	11	329.06	Reverse O	2.8	0.47	RSN634_WHITTIER.A_A-FLE144.AT2 RSN634_WHITTIER.A_A-FLE234.AT2 RSN634_WHITTIER.A_A-FLE-UP.AT2
674	Whittier Narrows-01 Pasadena - Brown Gym 1987	5.99	4	341.14	Reverse O	3.3	0.66	RSN674_WHITTIER.A_A-BRG180.AT2 RSN674_WHITTIER.A_A-BRG270.AT2 RSN674_WHITTIER.A_A-BRG-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.31	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.75	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.34	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.5	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.29	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.78	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3710	Whittier Narrows-02 LA - E Vernon Ave 1987	5.27	12	283.14	Reverse O	4.7	0.97	RSN3710_WHITTIER.B_B-VER083.AT2 RSN3710_WHITTIER.B_B-VER173.AT2 RSN3710_WHITTIER.B_B-VER-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.58	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.37	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.39	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.37	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4129	Parkfield-02, CA PARKFIELD - TEMBLOR 2004	6	12	524.69	strike slip	3.6	1.02	RSN4129_PARK2004_36510-90.AT2 RSN4129_PARK2004_36510360.AT2 RSN4129_PARK2004_36510-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.32	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.9	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.35	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.28	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.61	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8062	Christchurch, New Zealand Canterbury Aero Club 2011	6.2	14	280.26	Reverse O	3.8	0.55	RSN8062_CCHURCH_CACSN40E.AT2 RSN8062_CCHURCH_CACSN50W.AT2 RSN8062_CCHURCH_CACSUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.37	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.8	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	1.01	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





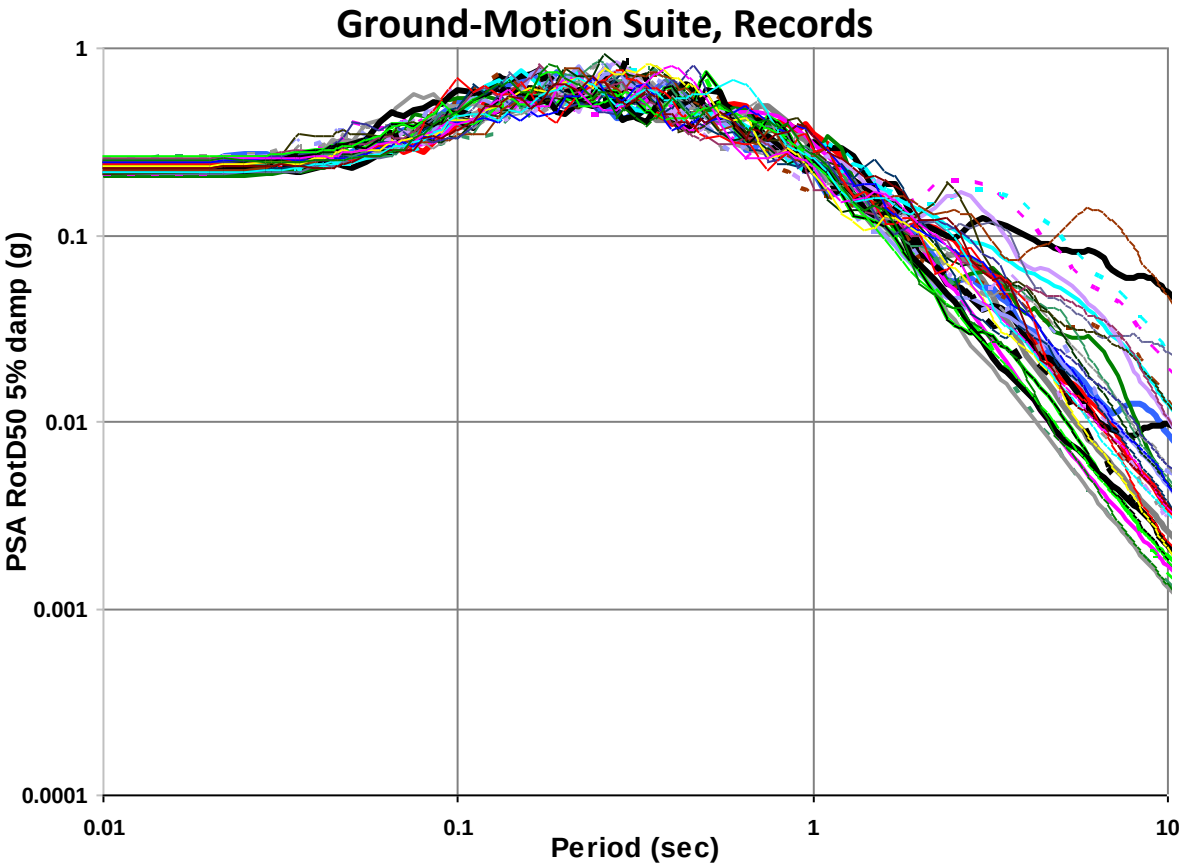
Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

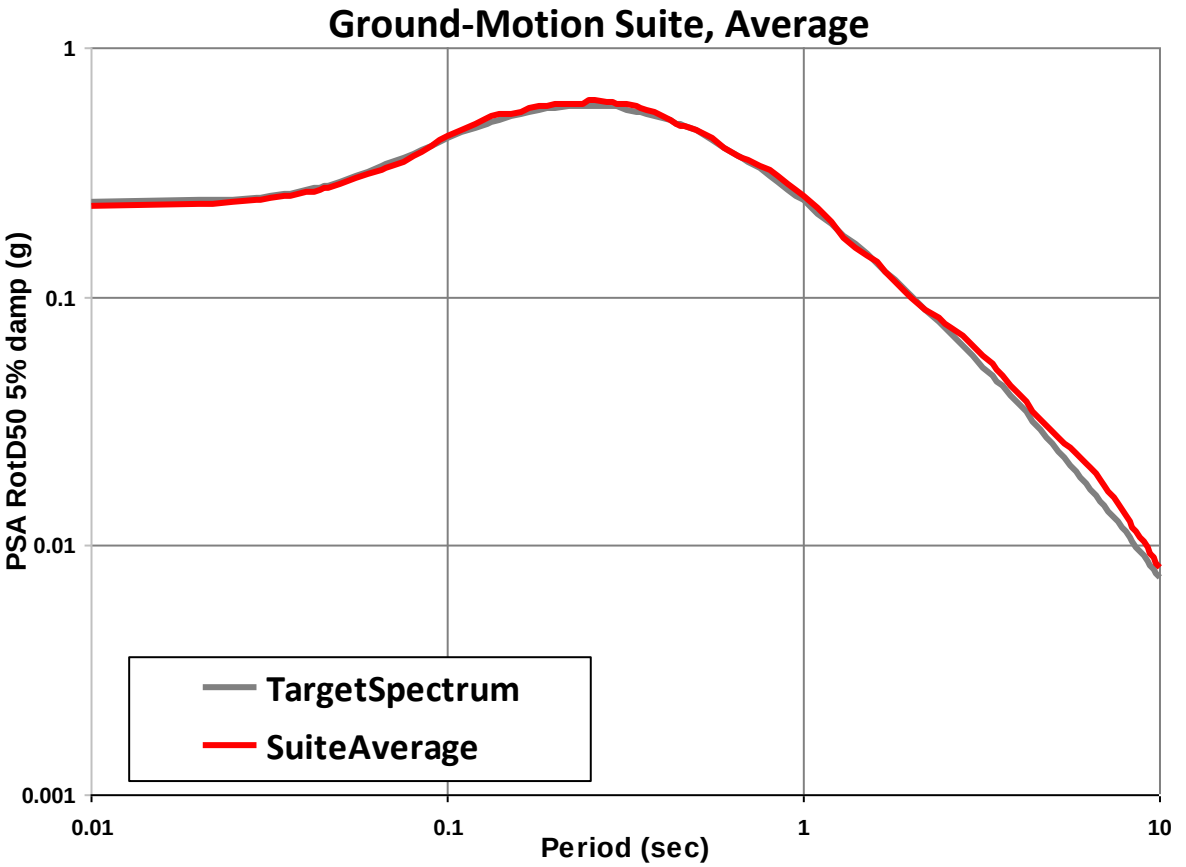
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	3.31	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	0.57	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.4	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.68	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.44	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	0.64	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.74	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.31	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.32	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.88	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.98	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	2.33	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
457	Morgan Hill Gilroy Array #3 1984	6.19	13	349.85	strike slip	6.5	0.82	RSN457_MORGAN_G03000.AT2 RSN457_MORGAN_G03090.AT2 RSN457_MORGAN_G03-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.69	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
767	Loma Prieta Gilroy Array #3 1989	6.93	12	349.85	Reverse O	2.3	0.31	RSN767_LOMAP_G03000.AT2 RSN767_LOMAP_G03090.AT2 RSN767_LOMAP_G03-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.46	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.34	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.13	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.52	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.76	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.44	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	1.18	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.87	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.34	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.56	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.59	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.55	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	0.48	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	2.85	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.52	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.42	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5818	Iwate Kurihara City 2008	6.9	13	512.26	Reverse	6.4	0.26	RSN5818_IWATE_48A61NS.AT2 RSN5818_IWATE_48A61EW.AT2 RSN5818_IWATE_48A61UD.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.3	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
6893	Darfield, New Zealand DFHS 2010	7	12	344.02	strike slip	14.3	0.34	RSN6893_DARFIELD_DFHSS17E.AT2 RSN6893_DARFIELD_DFHSS73W.AT2 RSN6893_DARFIELD_DFHSUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	0.92	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.55	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	1.21	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	1.52	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
95	Managua, Nicaragua-01 Managua, ESSO 1972	6.24	4	288.77	strike slip	4.6	0.65	RSN95_MANAGUA_A-ESO090.AT2 RSN95_MANAGUA_A-ESO180.AT2 RSN95_MANAGUA_A-ESODWN.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1.1	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.71	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
162	Imperial Valley-06 Calexico Fire Station 1979	6.53	10	231.23	strike slip	6.4	1.03	RSN162_IMPVALL.H_H-CXO225.AT2 RSN162_IMPVALL.H_H-CXO315.AT2 RSN162_IMPVALL.H_H-CXO-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.19	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.51	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.52	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.93	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.42	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	3.21	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	3.77	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.22	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

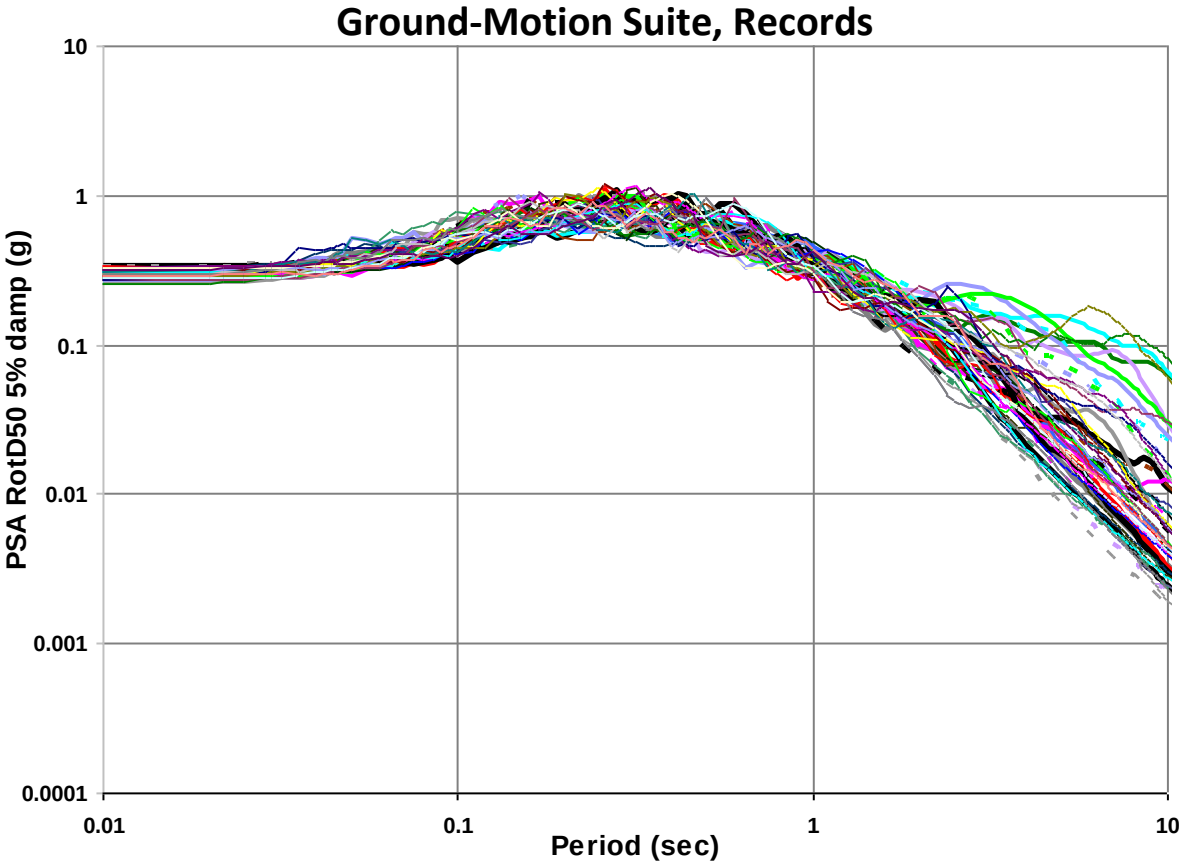
Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.12	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.75	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.53	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.97	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
995	Northridge-01 LA - Hollywood Stor FF 1994	6.69	20	316.46	Reverse	6.1	0.75	RSN995_NORTHR_PEL090.AT2 RSN995_NORTHR_PEL360.AT2 RSN995_NORTHR_PEL-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.32	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.67	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.86	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.55	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	1.83	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.84	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.23	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.71	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2

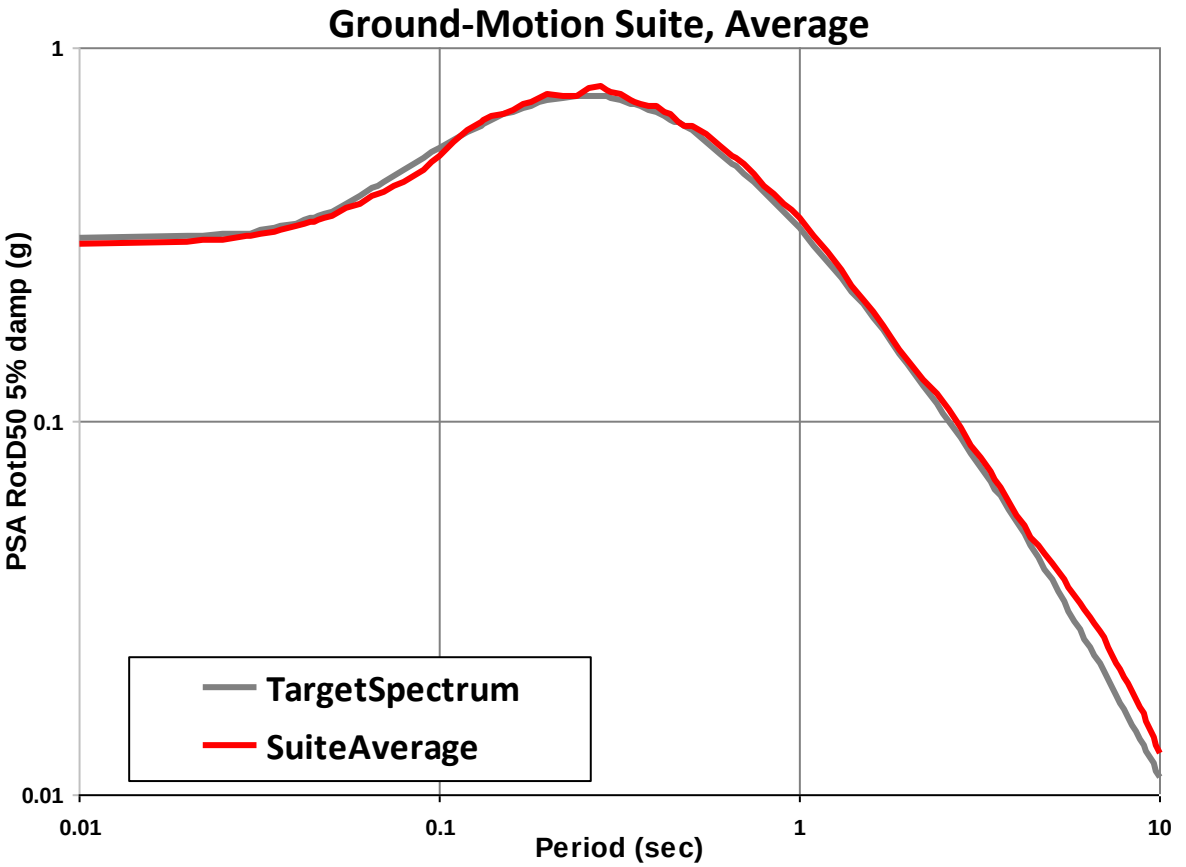
Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	1.42	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	0.91	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.96	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	0.9	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.3	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.85	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.68	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5818	Iwate Kurihara City 2008	6.9	13	512.26	Reverse	6.4	0.42	RSN5818_IWATE_48A61NS.AT2 RSN5818_IWATE_48A61EW.AT2 RSN5818_IWATE_48A61UD.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.49	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.9	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	1.5	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	0.9	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	1.96	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

8886	14383980	5.39	2	378.17	Reverse O	1.9	2.47	RSN8886_14383980_13882360.AT2
	Olinda - Carbon Canyon Rd							RSN8886_14383980_13882090.AT2
	2008							RSN8886_14383980_13882-UP.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

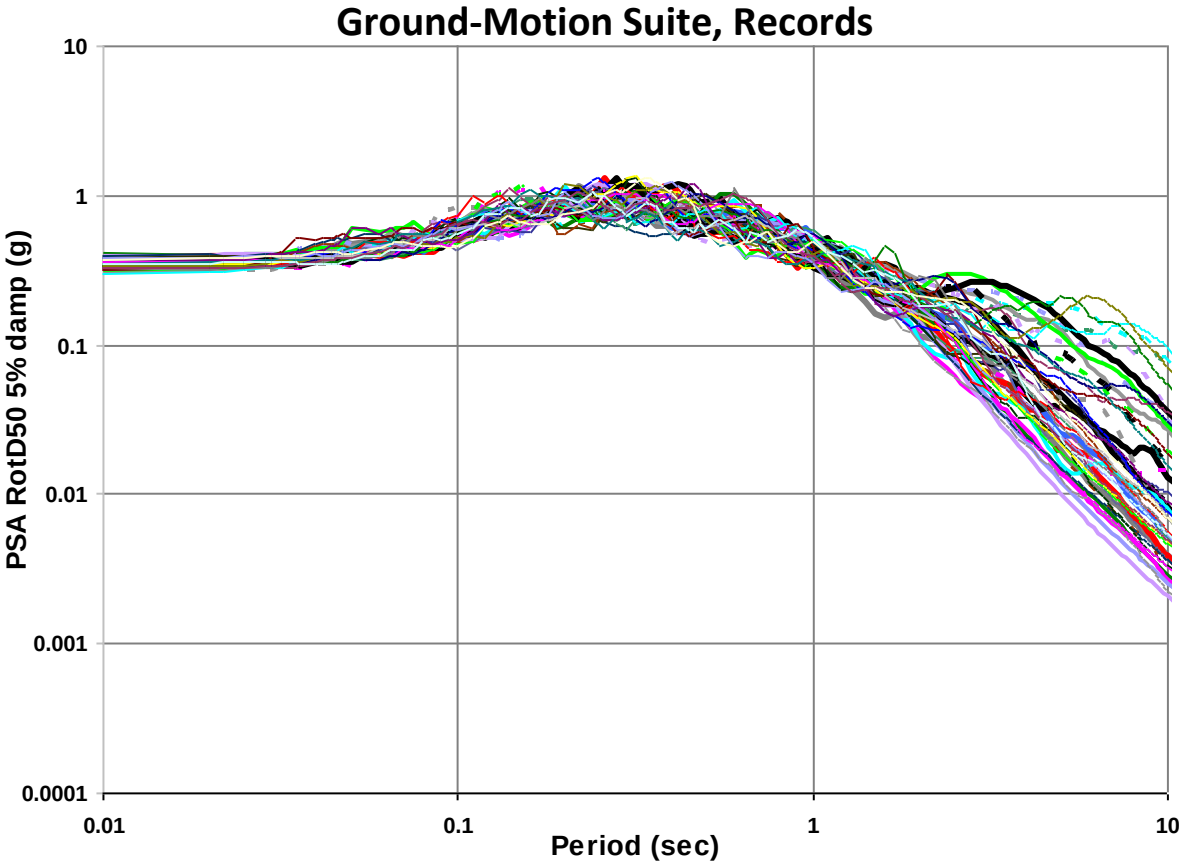
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1.42	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
136	Santa Barbara Santa Barbara Courthouse 1978	5.92	0	514.99	Reverse O	2.8	2.25	RSN136_SBARB_SBA132.AT2 RSN136_SBARB_SBA222.AT2 RSN136_SBARB_SBA-UP.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.91	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	1.3	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.5	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.54	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.07	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.66	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.67	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.2	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.23	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.86	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

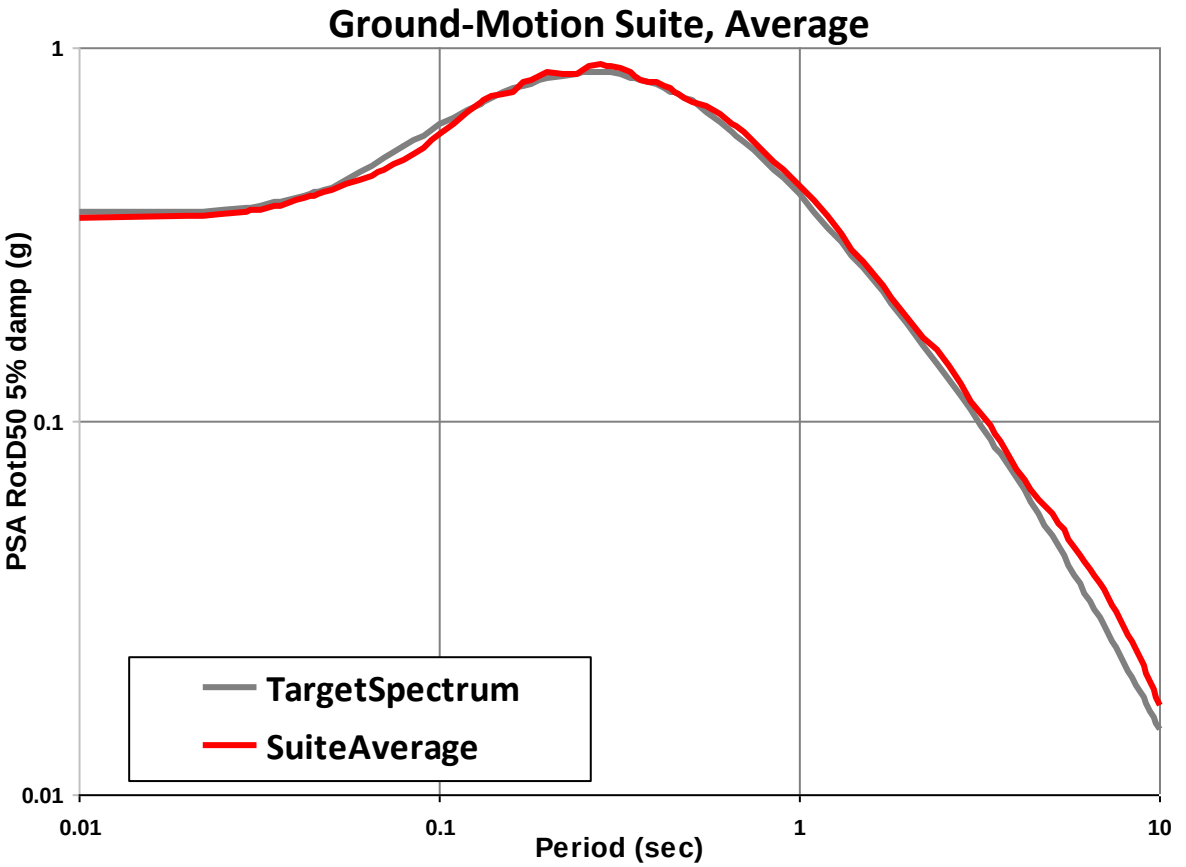
Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.14	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.44	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	1.15	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.53	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	0.81	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.96	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.75	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.69	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.42	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.24	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.41	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.35	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.86	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.52	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.12	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.71	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.58	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.23	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	2.36	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.08	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.59	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	0.92	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	1.17	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.24	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4098	Parkfield-02, CA Parkfield - Cholame 1E 2004	6	2	326.64	strike slip	1.9	0.85	RSN4098_PARK2004_C01090.AT2 RSN4098_PARK2004_C01360.AT2 RSN4098_PARK2004_C01-UP.AT2
4111	Parkfield-02, CA Parkfield - Fault Zone 7 2004	6	1	297.46	strike slip	5.7	1.16	RSN4111_PARK2004_Z07090.AT2 RSN4111_PARK2004_Z07360.AT2 RSN4111_PARK2004_Z07-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.42	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.39	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.17	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	1.1	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.99	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.88	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4895	Chuetsu-oki Kashiwazaki NPP, Unit 5: ground surf 2007	6.8	0	265.5	Reverse	5.2	0.29	RSN4895_CHUETSU_5-G1NS.AT2 RSN4895_CHUETSU_5-G1EW.AT2 RSN4895_CHUETSU_5-G1UD.AT2
5818	Iwate Kurihara City 2008	6.9	13	512.26	Reverse	6.4	0.54	RSN5818_IWATE_48A61NS.AT2 RSN5818_IWATE_48A61EW.AT2 RSN5818_IWATE_48A61UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.2	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.63	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.16	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6961	Darfield, New Zealand RKAC 2010	7	13	295.74	strike slip	12.7	1.93	RSN6961_DARFIELD_RKACN14E.AT2 RSN6961_DARFIELD_RKACS76E.AT2 RSN6961_DARFIELD_RKACUP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	1.16	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

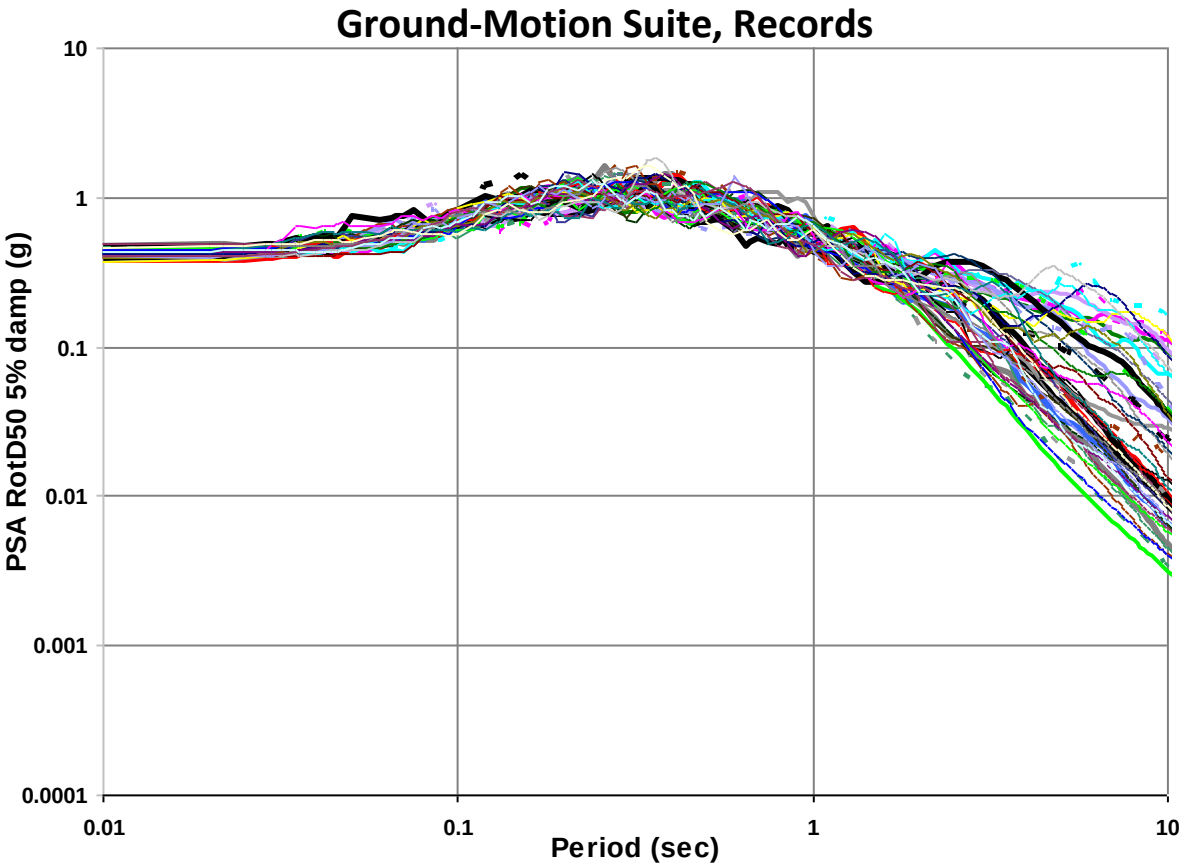
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	1.67	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	3.21	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
136	Santa Barbara Santa Barbara Courthouse 1978	5.92	0	514.99	Reverse O	2.8	2.66	RSN136_SBARB_SBA132.AT2 RSN136_SBARB_SBA222.AT2 RSN136_SBARB_SBA-UP.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	1.53	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.77	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	1.81	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.44	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.92	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.77	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.79	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.41	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.45	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2

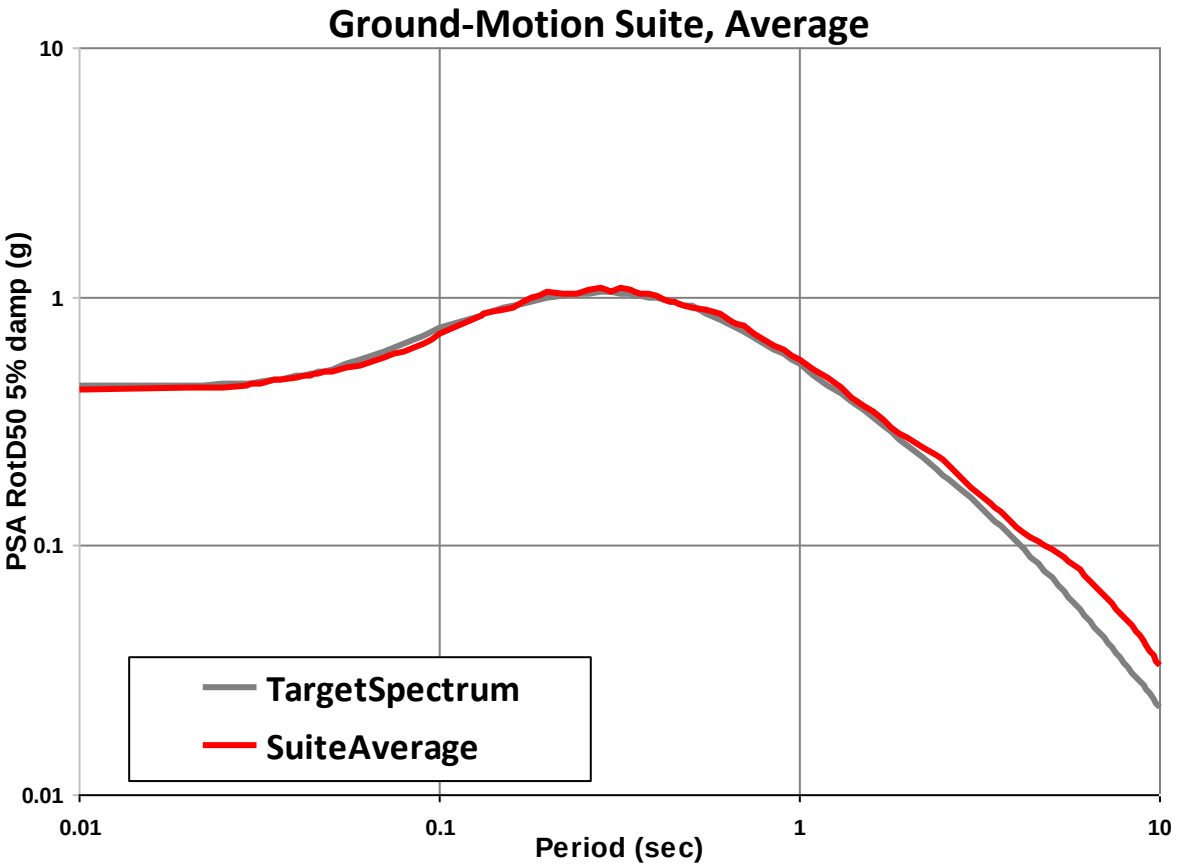
Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	3.37	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.52	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	1.7	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	1.36	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.63	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	0.95	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.14	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.89	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.81	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.49	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.47	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	0.48	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.6	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.02	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.56	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	1.79	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.32	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.84	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.68	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.45	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	2.79	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.28	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.87	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	1.46	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4098	Parkfield-02, CA Parkfield - Cholame 1E 2004	6	2	326.64	strike slip	1.9	1.01	RSN4098_PARK2004_C01090.AT2 RSN4098_PARK2004_C01360.AT2 RSN4098_PARK2004_C01-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.68	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.46	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	2.56	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.56	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	1.29	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.17	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.03	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.42	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.74	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.21	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.37	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.36	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

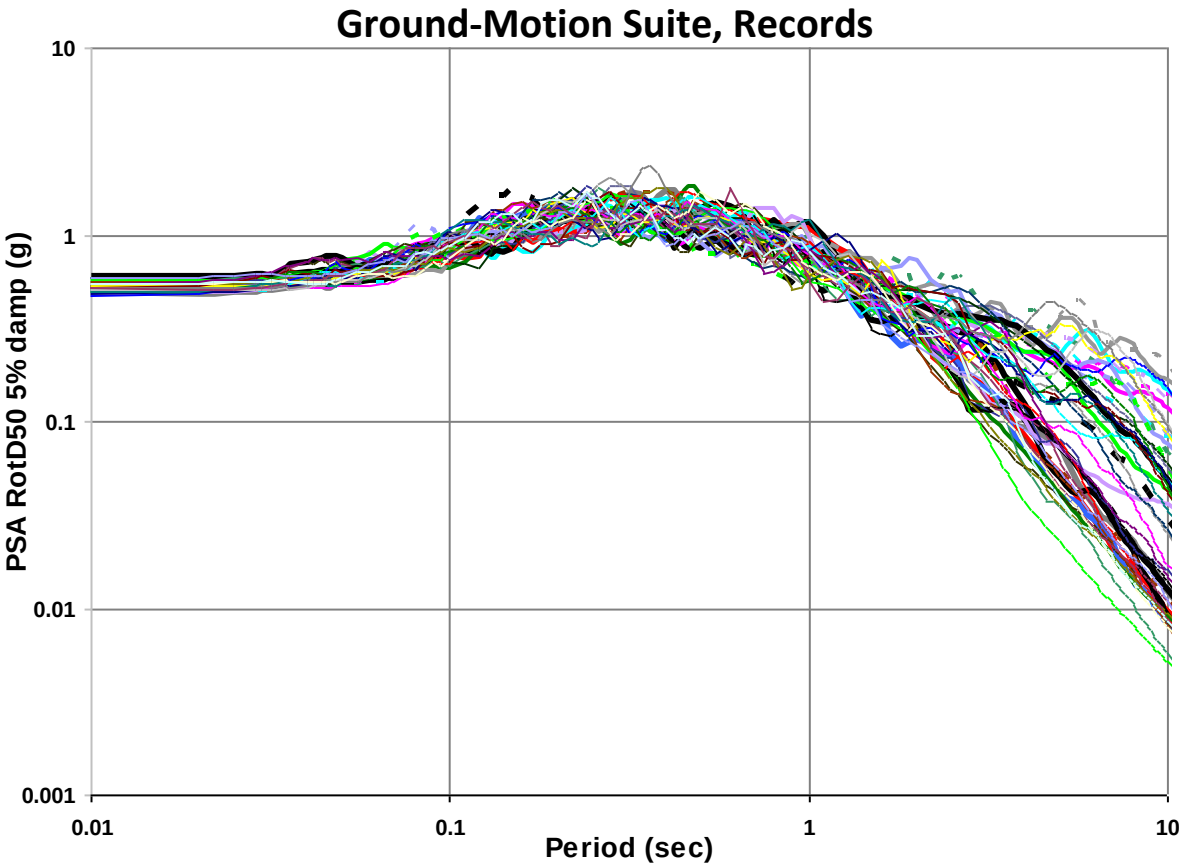
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.74	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
149	Coyote Lake Gilroy Array #4 1979	5.74	5	221.78	strike slip	4.8	1.9	RSN149_COYOTELK_G04270.AT2 RSN149_COYOTELK_G04360.AT2 RSN149_COYOTELK_G04-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.2	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	3.03	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.14	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
180	Imperial Valley-06 El Centro Array #5 1979	6.53	2	205.63	strike slip	3.7	0.96	RSN180_IMPVALL.H_H-E05140.AT2 RSN180_IMPVALL.H_H-E05230.AT2 RSN180_IMPVALL.H_H-E05-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.98	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.75	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.42	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.79	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
319	Westmorland Westmorland Fire Sta 1981	5.9	6	193.67	strike slip	3.6	1.01	RSN319_WESMORL_WSM090.AT2 RSN319_WESMORL_WSM180.AT2 RSN319_WESMORL_WSM-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	3.13	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2

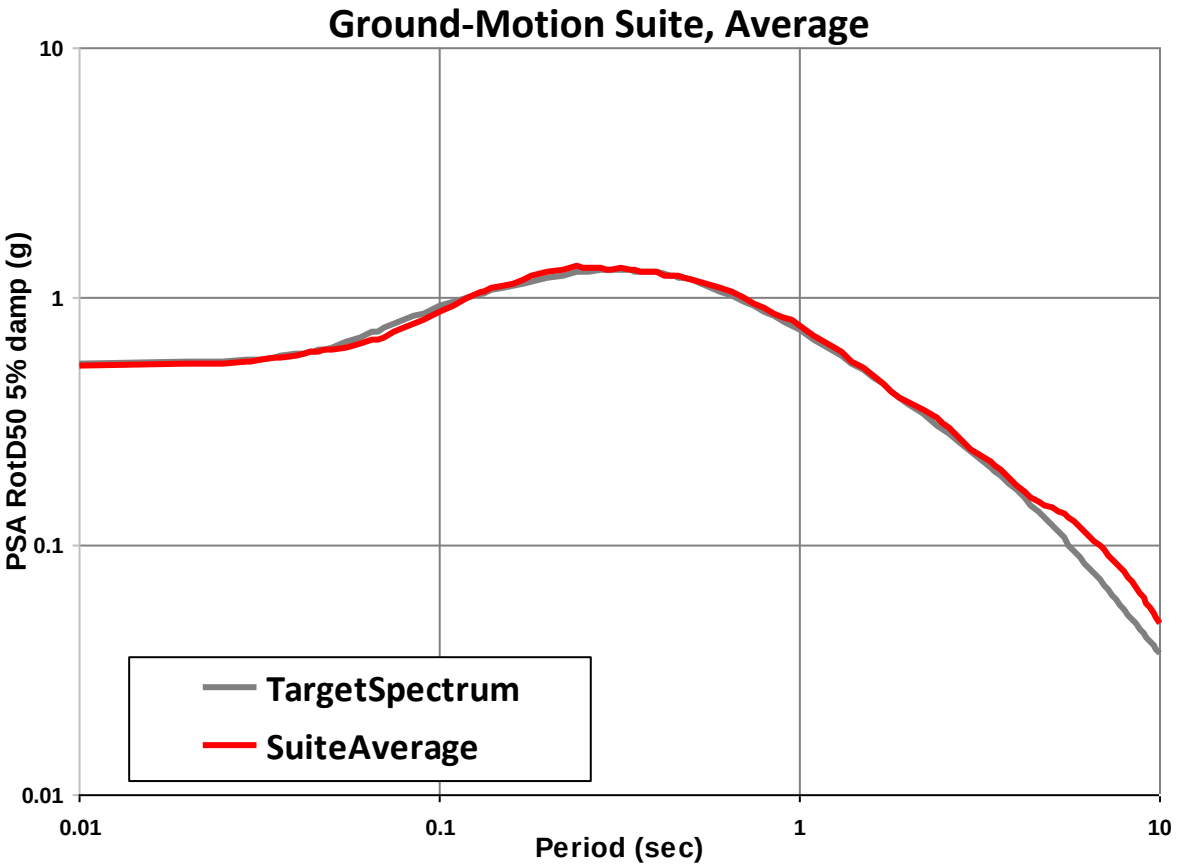
Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.78	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.5	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.21	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.41	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.1	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	1.01	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
983	Northridge-01 Jensen Filter Plant Generator Buildin 1994	6.69	0	525.79	Reverse	3.9	0.61	RSN983_NORTHR_JGB022.AT2 RSN983_NORTHR_JGB292.AT2 RSN983_NORTHR_JGB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.82	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	1.98	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.27	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.69	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.66	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	2.22	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.63	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.07	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.27	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	1.82	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	2.91	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	0.89	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.85	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.8	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.79	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.59	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.32	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.08	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	0.57	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	3.18	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.93	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.45	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.28	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.76	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5827	El Mayor-Cucapah MICHOACAN DE OCAMPO 2010	7.2	13	242.05	strike slip	21.2	0.92	RSN5827_SIERRA.MEX_MDO000.AT2 RSN5827_SIERRA.MEX_MDO090.AT2 RSN5827_SIERRA.MEX_MDO--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.5	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.7	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.69	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	0.89	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.5	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

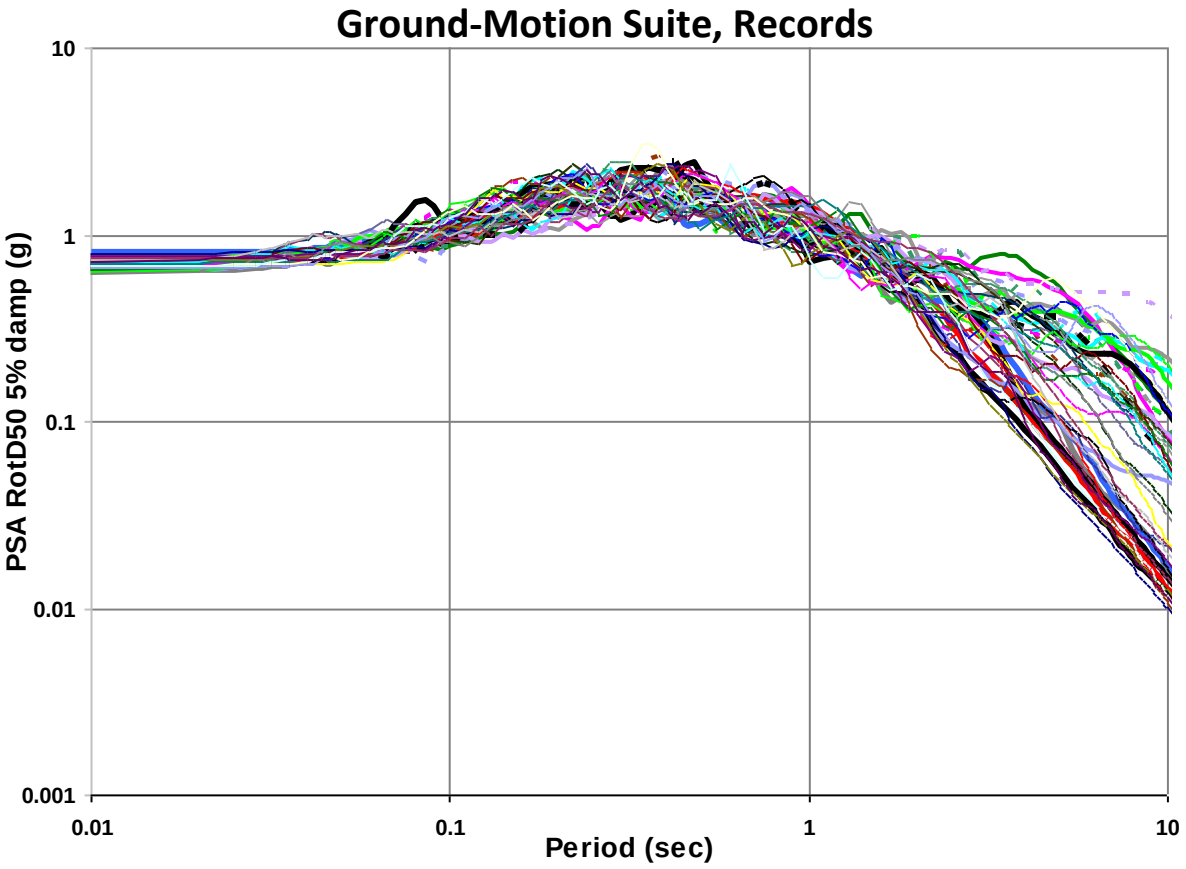
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.21	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.79	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	3.84	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.45	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	1.24	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.22	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.8	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	2.28	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	2.69	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
319	Westmorland Westmorland Fire Sta 1981	5.9	6	193.67	strike slip	3.6	1.28	RSN319_WESMORL_WSM090.AT2 RSN319_WESMORL_WSM180.AT2 RSN319_WESMORL_WSM-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.99	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.9	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2

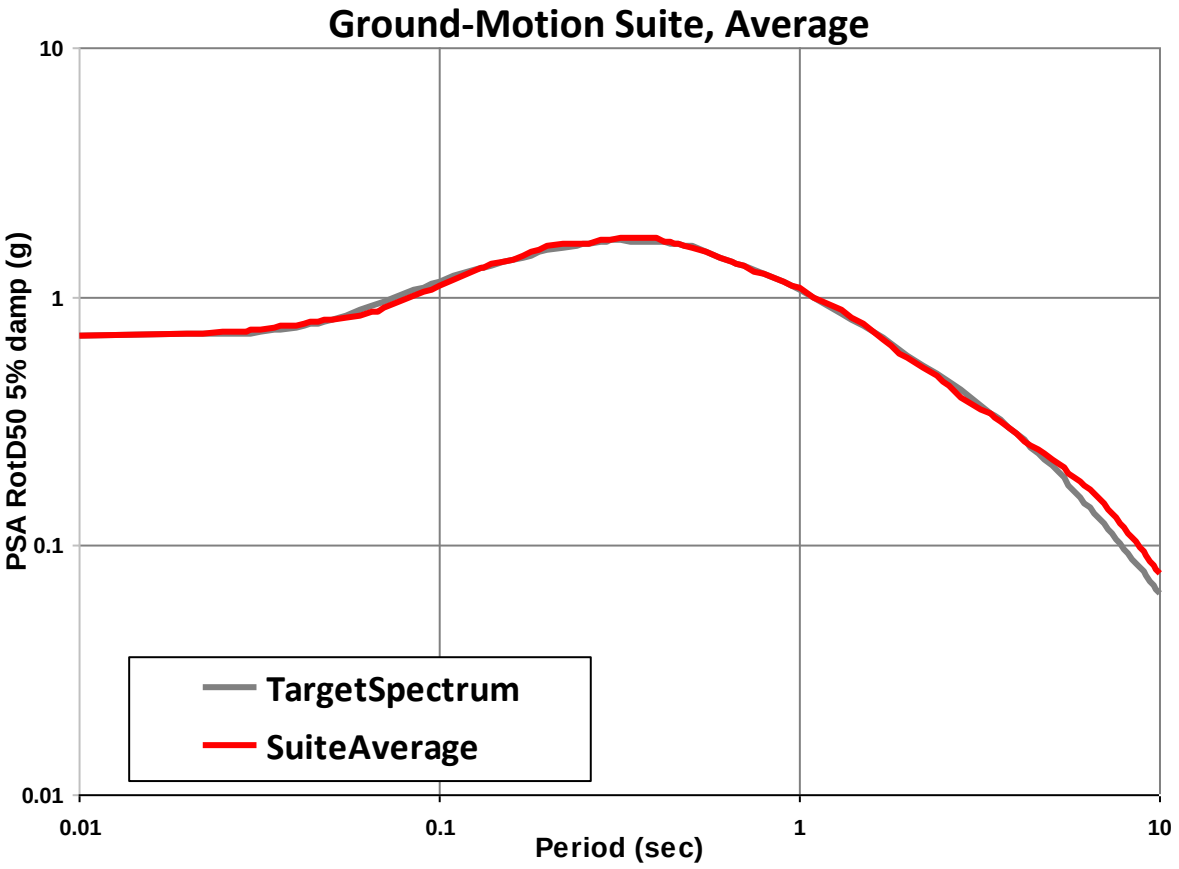
Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	2.32	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.53	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.79	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.4	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	3.03	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.31	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.74	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.61	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1083	Northridge-01 Sunland - Mt Gleason Ave 1994	6.69	12	402.16	Reverse	6	3.55	RSN1083_NORTHR_GLE170.AT2 RSN1083_NORTHR_GLE260.AT2 RSN1083_NORTHR_GLE-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.88	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.84	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.84	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	2.27	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	2.07	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.63	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.88	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	2.31	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1496	Chi-Chi, Taiwan TCU056 1999	7.62	10	403.2	Reverse O	21.5	3.4	RSN1496_CHICHI_TCU056-E.AT2 RSN1496_CHICHI_TCU056-N.AT2 RSN1496_CHICHI_TCU056-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	3.7	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.13	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2.29	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1545	Chi-Chi, Taiwan TCU120 1999	7.62	7	459.34	Reverse O	20.7	2.34	RSN1545_CHICHI_TCU120-E.AT2 RSN1545_CHICHI_TCU120-N.AT2 RSN1545_CHICHI_TCU120-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	2.28	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	2.95	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.64	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.46	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.84	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.63	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.57	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.24	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.91	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.15	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.12	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.13	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	3.09	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.51	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.91	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

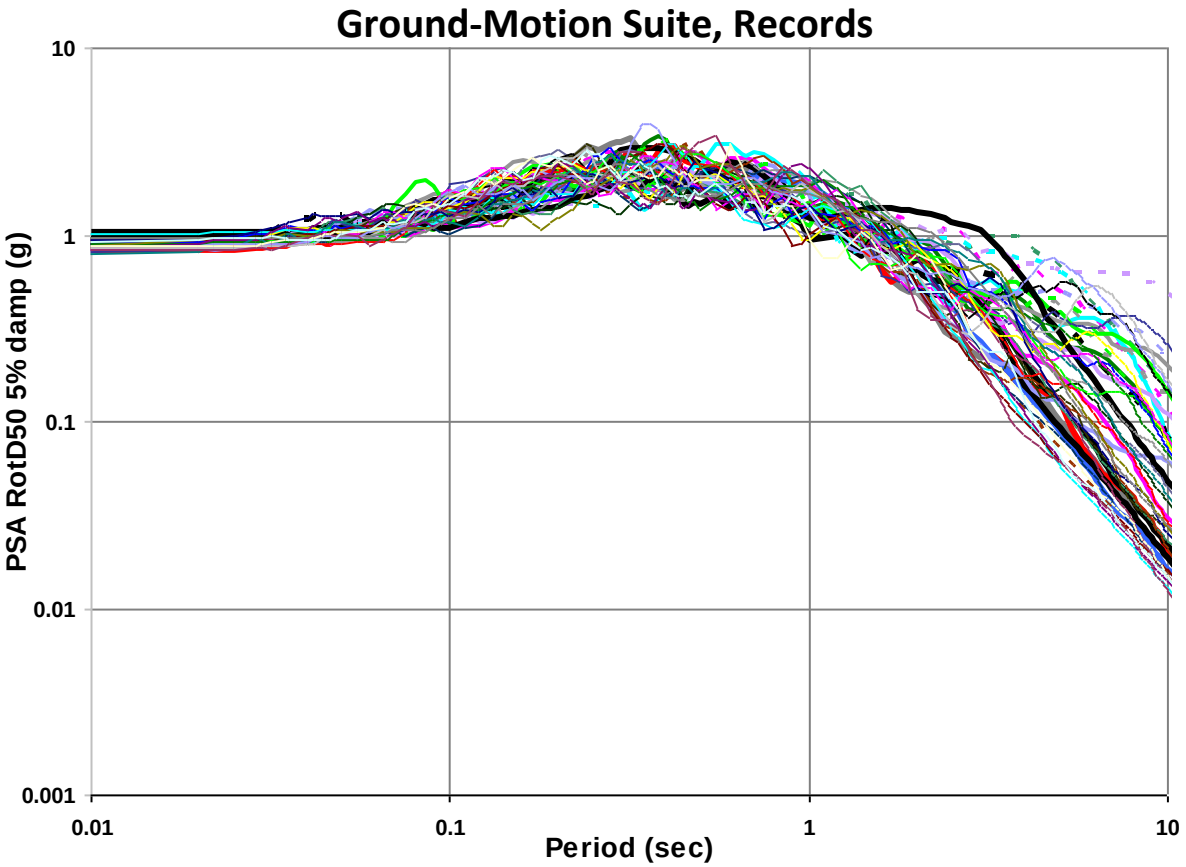
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.95	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.71	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
170	Imperial Valley-06 EC County Center FF 1979	6.53	7	192.05	strike slip	4.2	3.1	RSN170_IMPVALL.H_H-ECC002.AT2 RSN170_IMPVALL.H_H-ECC092.AT2 RSN170_IMPVALL.H_H-ECC-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.93	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.96	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	2.4	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	3.58	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.53	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	3.08	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
764	Loma Prieta Gilroy - Historic Bldg. 1989	6.93	10	308.55	Reverse O	3.6	2.89	RSN764_LOMAP_GOF160.AT2 RSN764_LOMAP_GOF250.AT2 RSN764_LOMAP_GOF-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.04	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
768	Loma Prieta Gilroy Array #4 1989	6.93	14	221.78	Reverse O	4.5	2.47	RSN768_LOMAP_G04000.AT2 RSN768_LOMAP_G04090.AT2 RSN768_LOMAP_G04-UP.AT2

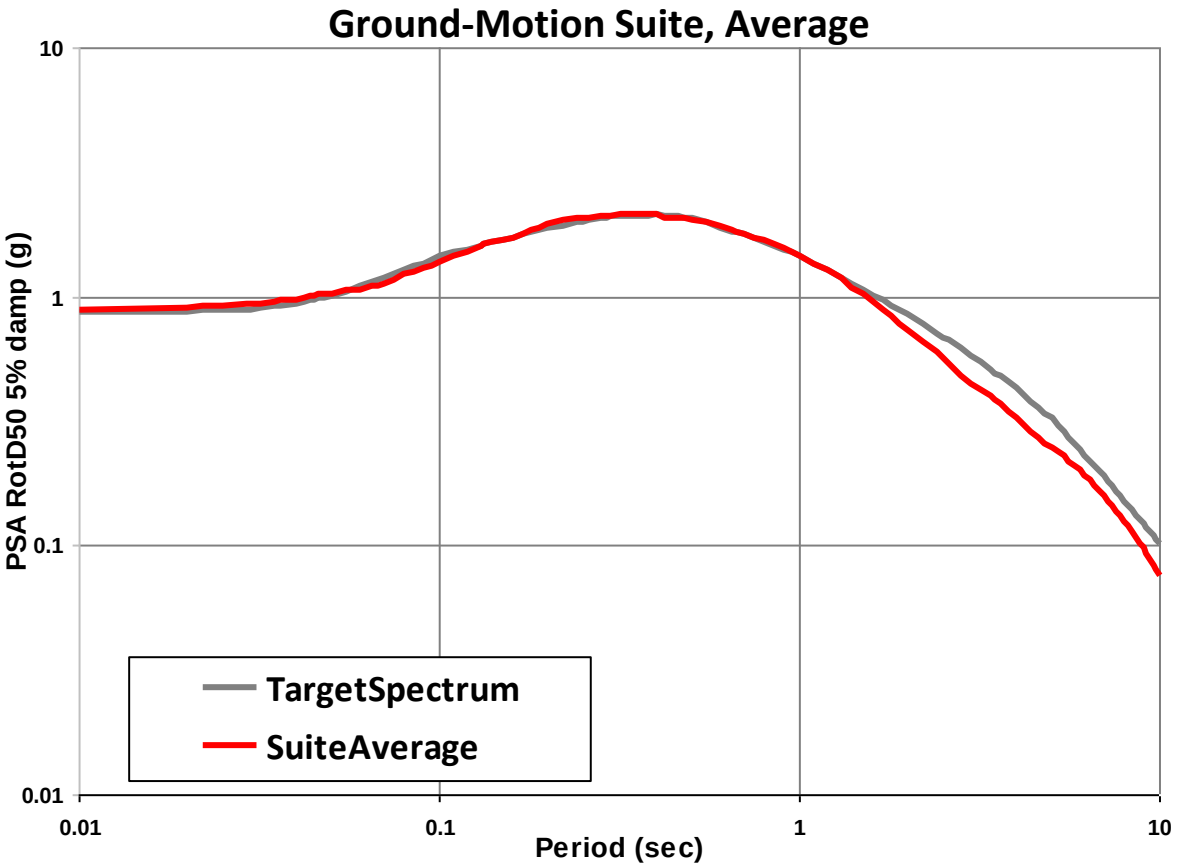
Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	1.68	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.86	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	3.08	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.98	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.17	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.11	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.12	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	2.2	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1176	Kocaeli, Turkey Yarimca 1999	7.51	1	297	strike slip	6.5	2.57	RSN1176_KOCAELI_YPT060.AT2 RSN1176_KOCAELI_YPT150.AT2 RSN1176_KOCAELI_YPT-UP.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	3.02	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	1.95	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	2.76	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	3.5	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	3.84	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1494	Chi-Chi, Taiwan TCU054 1999	7.62	5	460.69	Reverse O	18.5	3.9	RSN1494_CHICHI_TCU054-E.AT2 RSN1494_CHICHI_TCU054-N.AT2 RSN1494_CHICHI_TCU054-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	3.08	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1504	Chi-Chi, Taiwan TCU067 1999	7.62	1	433.63	Reverse O	9.1	1.73	RSN1504_CHICHI_TCU067-E.AT2 RSN1504_CHICHI_TCU067-N.AT2 RSN1504_CHICHI_TCU067-V.AT2
1505	Chi-Chi, Taiwan TCU068 1999	7.62	0	487.34	Reverse O	6.1	1.49	RSN1505_CHICHI_TCU068-E.AT2 RSN1505_CHICHI_TCU068-N.AT2 RSN1505_CHICHI_TCU068-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.5	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1515	Chi-Chi, Taiwan TCU082 1999	7.62	5	472.81	Reverse O	18.7	3.39	RSN1515_CHICHI_TCU082-E.AT2 RSN1515_CHICHI_TCU082-N.AT2 RSN1515_CHICHI_TCU082-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	3.04	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1545	Chi-Chi, Taiwan TCU120 1999	7.62	7	459.34	Reverse O	20.7	3.11	RSN1545_CHICHI_TCU120-E.AT2 RSN1545_CHICHI_TCU120-N.AT2 RSN1545_CHICHI_TCU120-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	3.03	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1605	Duzce, Turkey Duzce 1999	7.14	0	281.86	strike slip	7.1	1.64	RSN1605_DUZCE_DZC180.AT2 RSN1605_DUZCE_DZC270.AT2 RSN1605_DUZCE_DZC-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	3.52	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	3.27	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.45	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	2.15	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.76	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.98	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.54	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.87	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.49	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.51	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	1.86	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.02	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.54	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**

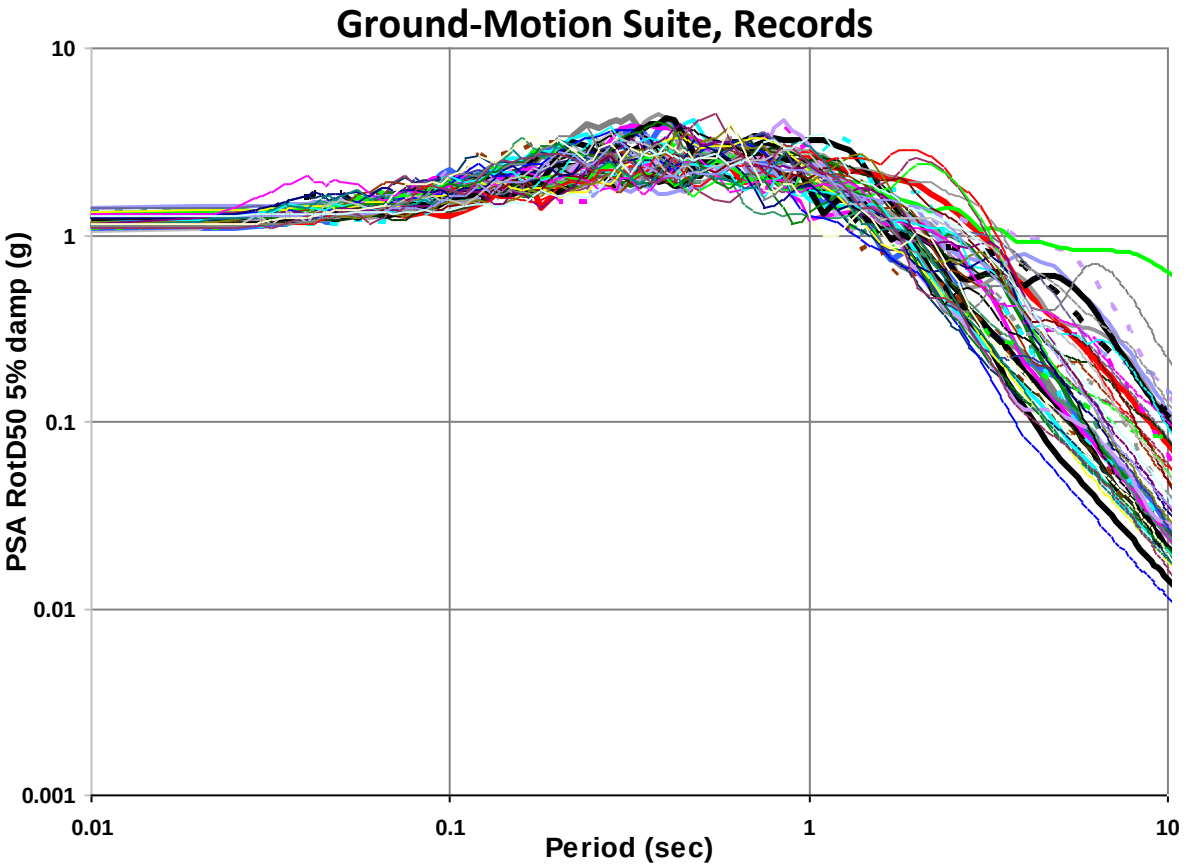
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	3.77	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
171	Imperial Valley-06 El Centro - Meloland Geot. Array 1979	6.53	0	264.57	strike slip	2.2	3.12	RSN171_IMPVALL.H_H-EMO000.AT2 RSN171_IMPVALL.H_H-EMO270.AT2 RSN171_IMPVALL.H_H-EMO-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2.47	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	3.07	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	3.24	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	3.95	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
764	Loma Prieta Gilroy - Historic Bldg. 1989	6.93	10	308.55	Reverse O	3.6	3.7	RSN764_LOMAP_GOF160.AT2 RSN764_LOMAP_GOF250.AT2 RSN764_LOMAP_GOF-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.61	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	2.15	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2
953	Northridge-01 Beverly Hills - 14145 Mulhol 1994	6.69	9	355.81	Reverse	5.4	1.87	RSN953_NORTHR_MUL009.AT2 RSN953_NORTHR_MUL279.AT2 RSN953_NORTHR_MUL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	2.38	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	3.94	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2

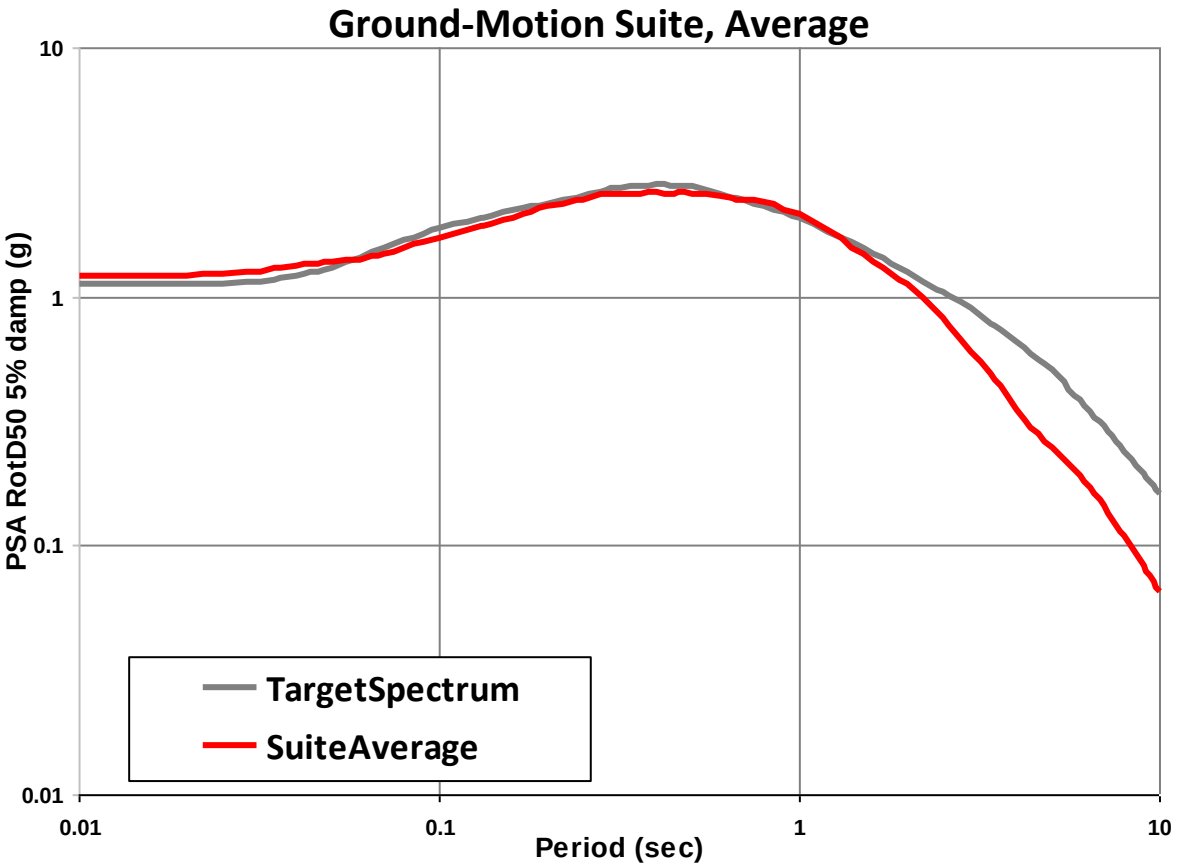
Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1044	Northridge-01 Newhall - Fire Sta 1994	6.69	3	269.14	Reverse	2.8	1.4	RSN1044_NORTHR_NWH090.AT2 RSN1044_NORTHR_NWH360.AT2 RSN1044_NORTHR_NWH-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.26	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.49	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.42	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.43	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	2.82	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1176	Kocaeli, Turkey Yarimca 1999	7.51	1	297	strike slip	6.5	3.29	RSN1176_KOCAELI_YPT060.AT2 RSN1176_KOCAELI_YPT150.AT2 RSN1176_KOCAELI_YPT-UP.AT2
1182	Chi-Chi, Taiwan CHY006 1999	7.62	10	438.19	Reverse O	5.1	2.58	RSN1182_CHICHI_CHY006-N.AT2 RSN1182_CHICHI_CHY006-W.AT2 RSN1182_CHICHI_CHY006-V.AT2
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	3.87	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1203	Chi-Chi, Taiwan CHY036 1999	7.62	16	233.14	Reverse O	10.4	3.53	RSN1203_CHICHI_CHY036-E.AT2 RSN1203_CHICHI_CHY036-N.AT2 RSN1203_CHICHI_CHY036-V.AT2
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	2.5	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	3.53	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	3.94	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1504	Chi-Chi, Taiwan TCU067 1999	7.62	1	433.63	Reverse O	9.1	2.21	RSN1504_CHICHI_TCU067-E.AT2 RSN1504_CHICHI_TCU067-N.AT2 RSN1504_CHICHI_TCU067-V.AT2
1505	Chi-Chi, Taiwan TCU068 1999	7.62	0	487.34	Reverse O	6.1	1.91	RSN1505_CHICHI_TCU068-E.AT2 RSN1505_CHICHI_TCU068-N.AT2 RSN1505_CHICHI_TCU068-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.92	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	3.9	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	3.88	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1605	Duzce, Turkey Duzce 1999	7.14	0	281.86	strike slip	7.1	2.1	RSN1605_DUZCE_DZC180.AT2 RSN1605_DUZCE_DZC270.AT2 RSN1605_DUZCE_DZC-UP.AT2
3748	Cape Mendocino Ferndale Fire Station 1992	7.01	17	387.95	Reverse	5.8	2.92	RSN3748_CAPEMEND_FFS270.AT2 RSN3748_CAPEMEND_FFS360.AT2 RSN3748_CAPEMEND_FFS-UP.AT2
4451	Montenegro, Yugo. Bar-Skupstina Opstine 1979	7.1	0	462.23	Reverse	8.3	2.37	RSN4451_MONTENE.GRO_BSO000.A RSN4451_MONTENE.GRO_BSO090.A RSN4451_MONTENE.GRO_BSO-V.AT
4458	Montenegro, Yugo. Ulcinj - Hotel Olimpic 1979	7.1	4	318.74	Reverse	8.1	3.36	RSN4458_MONTENE.GRO_ULO000.A RSN4458_MONTENE.GRO_ULO090.A RSN4458_MONTENE.GRO_ULO-V.AT
4847	Chuetsu-oki Joetsu Kakizakiku Kakizaki 2007	6.8	9	383.43	Reverse	5.9	2.23	RSN4847_CHUETSU_65010NS.AT2 RSN4847_CHUETSU_65010EW.AT2 RSN4847_CHUETSU_65010UD.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	3.13	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	2.75	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.98	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	3.81	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	3.26	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	3.67	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.91	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.93	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8066	Christchurch, New Zealand Christchurch Hospital 2011	6.2	5	194	Reverse O	4.6	2.34	RSN8066_CCHURCH_CHHCN01W.AT2 RSN8066_CCHURCH_CHHCS89W.AT2 RSN8066_CCHURCH_CHHCUP.AT2
8067	Christchurch, New Zealand Christchurch Cashmere High School 2011	6.2	4	204	Reverse O	3.1	2.29	RSN8067_CCHURCH_CMHSN10E.AT2 RSN8067_CCHURCH_CMHSS80E.AT2 RSN8067_CCHURCH_CMHSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	2.38	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.58	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	3.25	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**

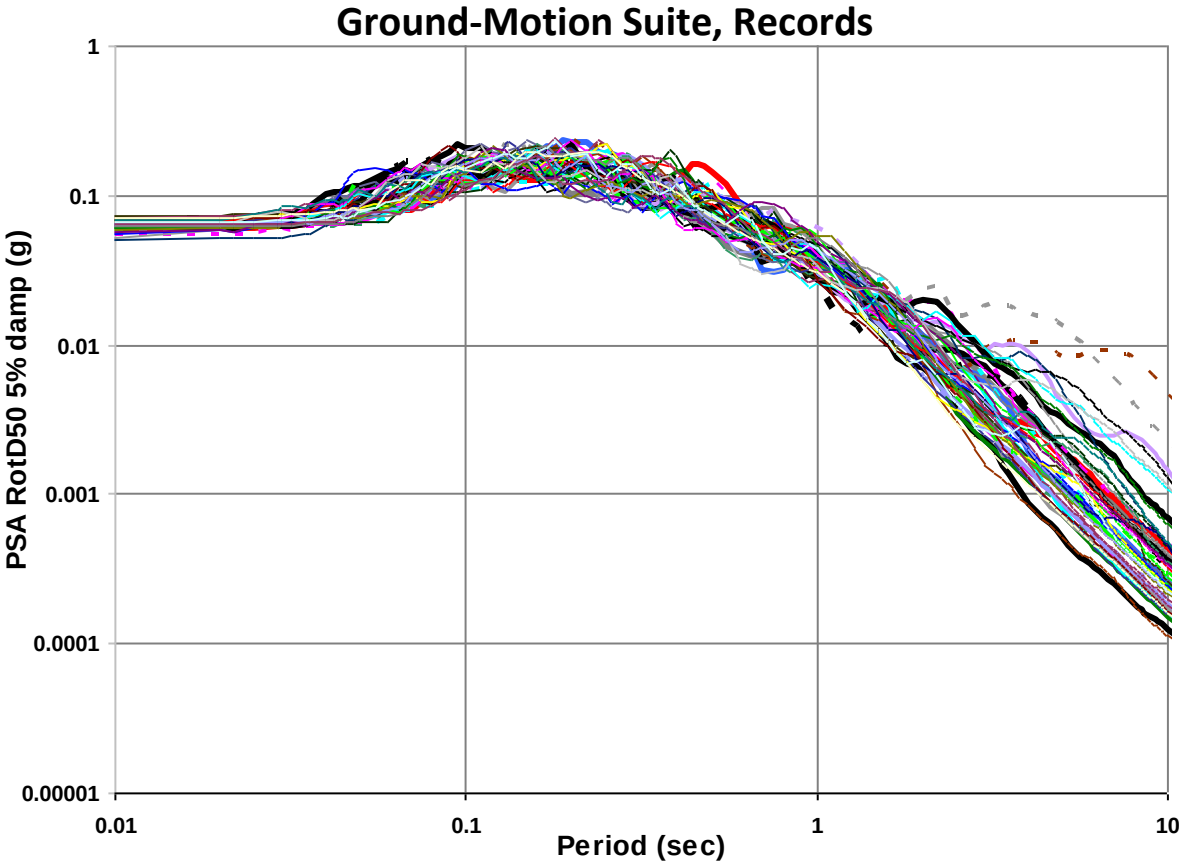
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	3.24	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
182	Imperial Valley-06 El Centro Array #7 1979	6.53	1	210.51	strike slip	1.9	3.16	RSN182_IMPVALL.H_H-E07140.AT2 RSN182_IMPVALL.H_H-E07230.AT2 RSN182_IMPVALL.H_H-E07-UP.AT2
319	Westmorland Westmorland Fire Sta 1981	5.9	6	193.67	strike slip	3.6	2.86	RSN319_WESMORL_WSM090.AT2 RSN319_WESMORL_WSM180.AT2 RSN319_WESMORL_WSM-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	2.2	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
569	San Salvador National Geografical Inst 1986	5.8	4	455.93	strike slip	1.4	2.71	RSN569_SANSALV_NGI180.AT2 RSN569_SANSALV_NGI270.AT2 RSN569_SANSALV_NGI-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	3.42	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
821	Erzican, Turkey Erzincan 1992	6.69	0	352.05	strike slip	2	2.81	RSN821_ERZINCAN_ERZ-NS.AT2 RSN821_ERZINCAN_ERZ-EW.AT2 RSN821_ERZINCAN_ERZ-UP.AT2
953	Northridge-01 Beverly Hills - 14145 Mulhol 1994	6.69	9	355.81	Reverse	5.4	2.44	RSN953_NORTHR_MUL009.AT2 RSN953_NORTHR_MUL279.AT2 RSN953_NORTHR_MUL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	3.12	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
982	Northridge-01 Jensen Filter Plant Administrative Bu 1994	6.69	0	373.07	Reverse	3.5	2.4	RSN982_NORTHR_JEN022.AT2 RSN982_NORTHR_JEN292.AT2 RSN982_NORTHR_JEN-UP.AT2
1044	Northridge-01 Newhall - Fire Sta 1994	6.69	3	269.14	Reverse	2.8	1.83	RSN1044_NORTHR_NWH090.AT2 RSN1044_NORTHR_NWH360.AT2 RSN1044_NORTHR_NWH-UP.AT2
1045	Northridge-01 Newhall - W Pico Canyon Rd. 1994	6.69	2	285.93	Reverse	1.9	3.46	RSN1045_NORTHR_WPI046.AT2 RSN1045_NORTHR_WPI316.AT2 RSN1045_NORTHR_WPI-UP.AT2

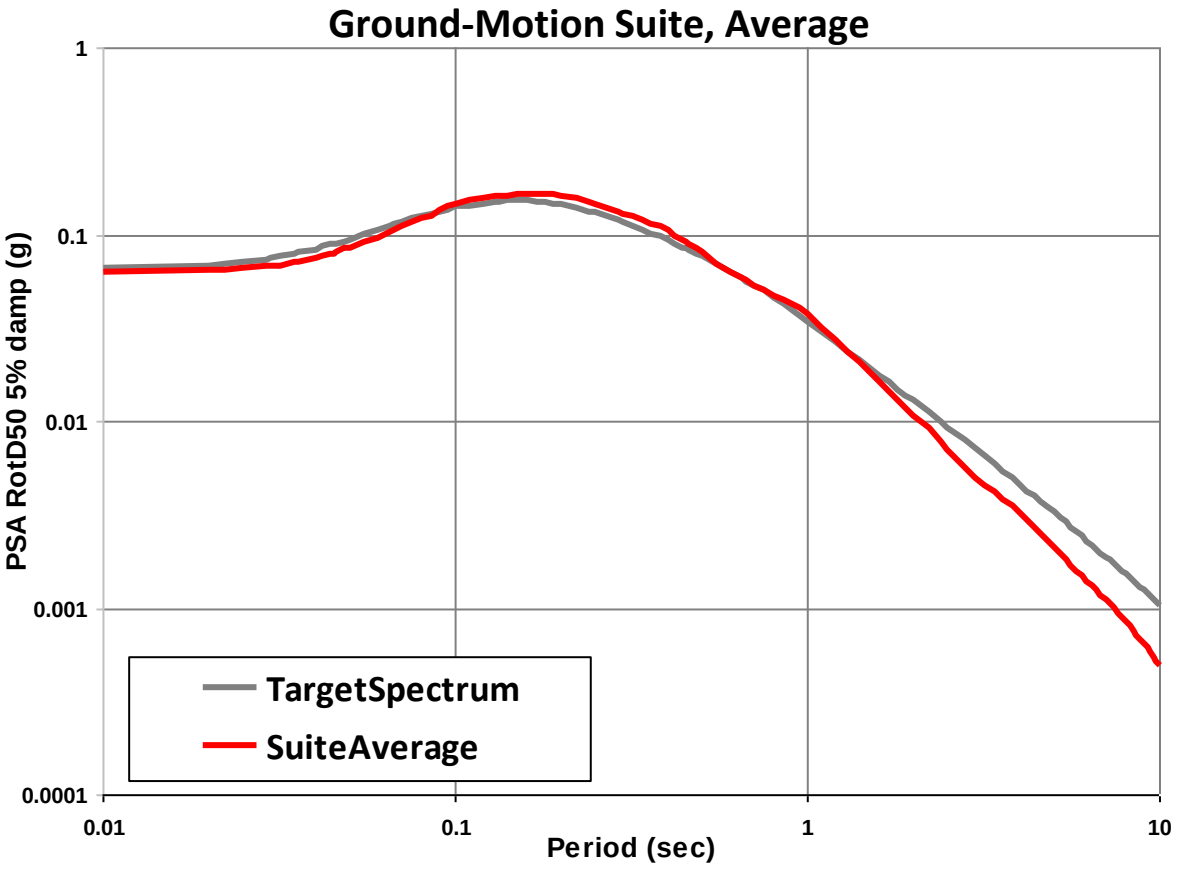
Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1054	Northridge-01 Pardee - SCE 1994	6.69	6	325.67	Reverse	3.4	2.73	RSN1054_NORTHR_PAR--L.AT2 RSN1054_NORTHR_PAR--T.AT2 RSN1054_NORTHR_PAR-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.65	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	3.59	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1084	Northridge-01 Sylmar - Converter Sta 1994	6.69	0	251.24	Reverse	4.4	1.78	RSN1084_NORTHR_SCS052.AT2 RSN1084_NORTHR_SCS142.AT2 RSN1084_NORTHR_SCS-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.96	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.87	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1101	Kobe, Japan Amagasaki 1995	6.9	11	256	strike slip	5.6	3.64	RSN1101_KOBE_AMA000.AT2 RSN1101_KOBE_AMA090.AT2 RSN1101_KOBE_AMA-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.88	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2
1120	Kobe, Japan Takatori 1995	6.9	1	256	strike slip	5.4	1.63	RSN1120_KOBE_TAK000.AT2 RSN1120_KOBE_TAK090.AT2 RSN1120_KOBE_TAK-UP.AT2
1158	Kocaeli, Turkey Duzce 1999	7.51	14	281.86	strike slip	3.6	3.69	RSN1158_KOCAELI_DZC180.AT2 RSN1158_KOCAELI_DZC270.AT2 RSN1158_KOCAELI_DZC-UP.AT2
1182	Chi-Chi, Taiwan CHY006 1999	7.62	10	438.19	Reverse O	5.1	3.38	RSN1182_CHICHI_CHY006-N.AT2 RSN1182_CHICHI_CHY006-W.AT2 RSN1182_CHICHI_CHY006-V.AT2
1231	Chi-Chi, Taiwan CHY080 1999	7.62	0	496.21	Reverse O	6.4	1.44	RSN1231_CHICHI_CHY080-E.AT2 RSN1231_CHICHI_CHY080-N.AT2 RSN1231_CHICHI_CHY080-V.AT2
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	3.27	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1503	Chi-Chi, Taiwan TCU065 1999	7.62	1	305.85	Reverse O	20	2.04	RSN1503_CHICHI_TCU065-E.AT2 RSN1503_CHICHI_TCU065-N.AT2 RSN1503_CHICHI_TCU065-V.AT2
1504	Chi-Chi, Taiwan TCU067 1999	7.62	1	433.63	Reverse O	9.1	2.9	RSN1504_CHICHI_TCU067-E.AT2 RSN1504_CHICHI_TCU067-N.AT2 RSN1504_CHICHI_TCU067-V.AT2
1505	Chi-Chi, Taiwan TCU068 1999	7.62	0	487.34	Reverse O	6.1	2.5	RSN1505_CHICHI_TCU068-E.AT2 RSN1505_CHICHI_TCU068-N.AT2 RSN1505_CHICHI_TCU068-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	2.52	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1605	Duzce, Turkey Duzce 1999	7.14	0	281.86	strike slip	7.1	2.76	RSN1605_DUZCE_DZC180.AT2 RSN1605_DUZCE_DZC270.AT2 RSN1605_DUZCE_DZC-UP.AT2
2114	Denali, Alaska TAPS Pump Station #10 2002	7.9	0	329.4	strike slip	6.5	3.83	RSN2114_DENALI_PS10-047.AT2 RSN2114_DENALI_PS10-317.AT2 RSN2114_DENALI_PS10-UP.AT2
3746	Cape Mendocino Centerville Beach, Naval Fac 1992	7.01	16	459.04	Reverse	4.5	2.94	RSN3746_CAPEMEND_CBF270.AT2 RSN3746_CAPEMEND_CBF360.AT2 RSN3746_CAPEMEND_CBF-UP.AT2
3748	Cape Mendocino Ferndale Fire Station 1992	7.01	17	387.95	Reverse	5.8	3.83	RSN3748_CAPEMEND_FFS270.AT2 RSN3748_CAPEMEND_FFS360.AT2 RSN3748_CAPEMEND_FFS-UP.AT2
4451	Montenegro, Yugo. Bar-Skupstina Opstine 1979	7.1	0	462.23	Reverse	8.3	3.1	RSN4451_MONTENE.GRO_BSO000.A RSN4451_MONTENE.GRO_BSO090.A RSN4451_MONTENE.GRO_BSO-V.AT2
4847	Chuetsu-oki Joetsu Kakizakiku Kakizaki 2007	6.8	9	383.43	Reverse	5.9	2.93	RSN4847_CHUETSU_65010NS.AT2 RSN4847_CHUETSU_65010EW.AT2 RSN4847_CHUETSU_65010UD.AT2
4856	Chuetsu-oki Kashiwazaki City Center 2007	6.8	0	294.38	Reverse	5	2.31	RSN4856_CHUETSU_65025NS.AT2 RSN4856_CHUETSU_65025EW.AT2 RSN4856_CHUETSU_65025UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	3.61	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	1.28	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
4896	Chuetsu-oki Kashiwazaki NPP, Service Hall Array 2007	6.8	0	201	Reverse	7	2.92	RSN4896_CHUETSU_SG01NS.AT2 RSN4896_CHUETSU_SG01EW.AT2 RSN4896_CHUETSU_SG01UD.AT2
5264	Chuetsu-oki NIG018 2007	6.8	0	198.26	Reverse	5.1	2.13	RSN5264_CHUETSU_NIG018NS.AT2 RSN5264_CHUETSU_NIG018EW.AT2 RSN5264_CHUETSU_NIG018UD.AT2
6906	Darfield, New Zealand GDLC 2010	7	1	344.02	strike slip	5.5	1.75	RSN6906_DARFIELD_GDLCN55W.AT2 RSN6906_DARFIELD_GDLCS35W.AT2 RSN6906_DARFIELD_GDLCUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	2.5	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	2.53	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8064	Christchurch, New Zealand Christchurch Cathedral College 2011	6.2	3	198	Reverse O	3.9	2.83	RSN8064_CCHURCH_CCCCN26W.AT2 RSN8064_CCHURCH_CCCCN64E.AT2 RSN8064_CCHURCH_CCCCUP.AT2
8066	Christchurch, New Zealand Christchurch Hospital 2011	6.2	5	194	Reverse O	4.6	3.06	RSN8066_CCHURCH_CHHCN01W.AT2 RSN8066_CCHURCH_CHHCS89W.AT2 RSN8066_CCHURCH_CHHCUP.AT2
8067	Christchurch, New Zealand Christchurch Cashmere High School 2011	6.2	4	204	Reverse O	3.1	3	RSN8067_CCHURCH_CMHSN10E.AT2 RSN8067_CCHURCH_CMHSS80E.AT2 RSN8067_CCHURCH_CMHSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	3.11	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	3.38	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**

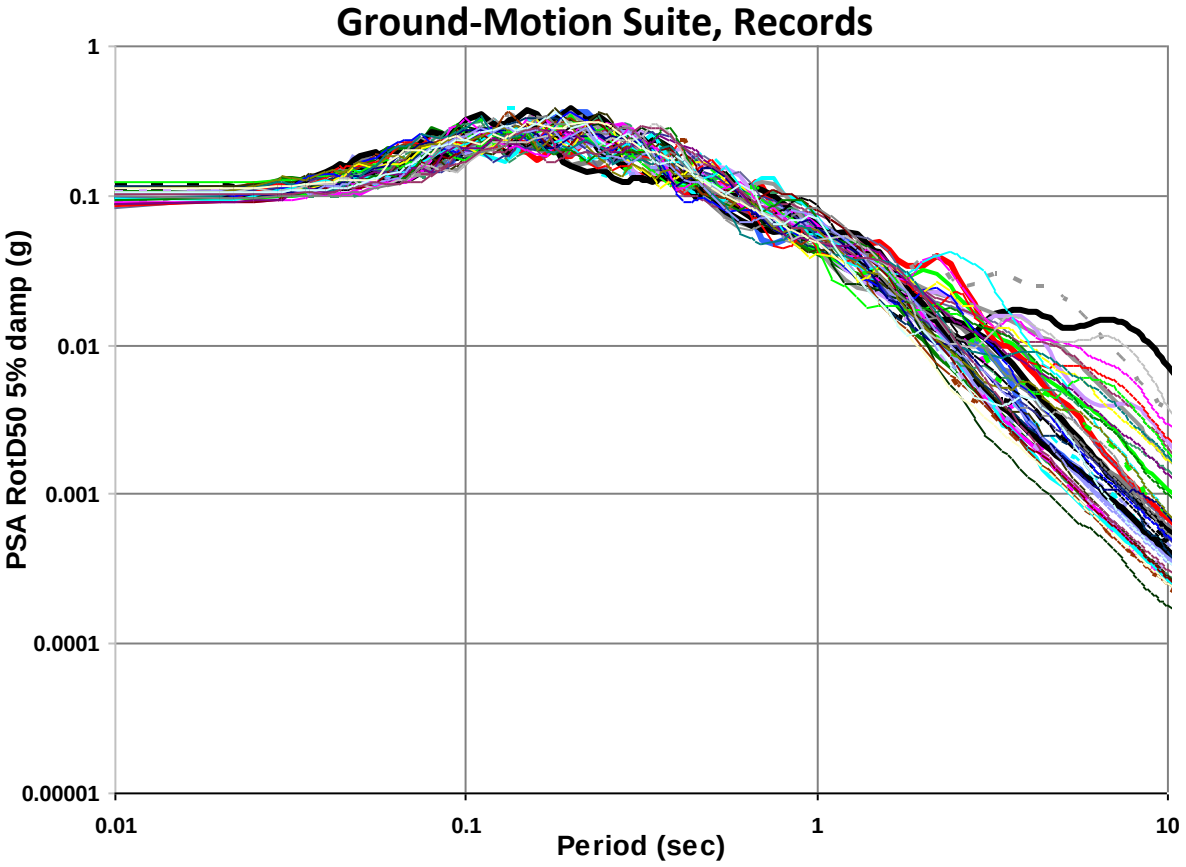
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.39	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.38	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.33	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
157	Norcia, Italy Spoleto 1979	5.9	13	535.24	Normal	5.3	1.43	RSN157_ITALY_F-SPO-NS.AT2 RSN157_ITALY_F-SPO-EW.AT2 RSN157_ITALY_F-SPO-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	1.42	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.26	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	0.91	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.67	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	0.5	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	0.57	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	0.43	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
477	Lazio-Abruzzo, Italy Atina 1984	5.8	13	585.04	Normal	3.1	0.69	RSN477_ABRUZZO_ATI-NS.AT2 RSN477_ABRUZZO_ATI-WE.AT2 RSN477_ABRUZZO_ATI-UP.AT2

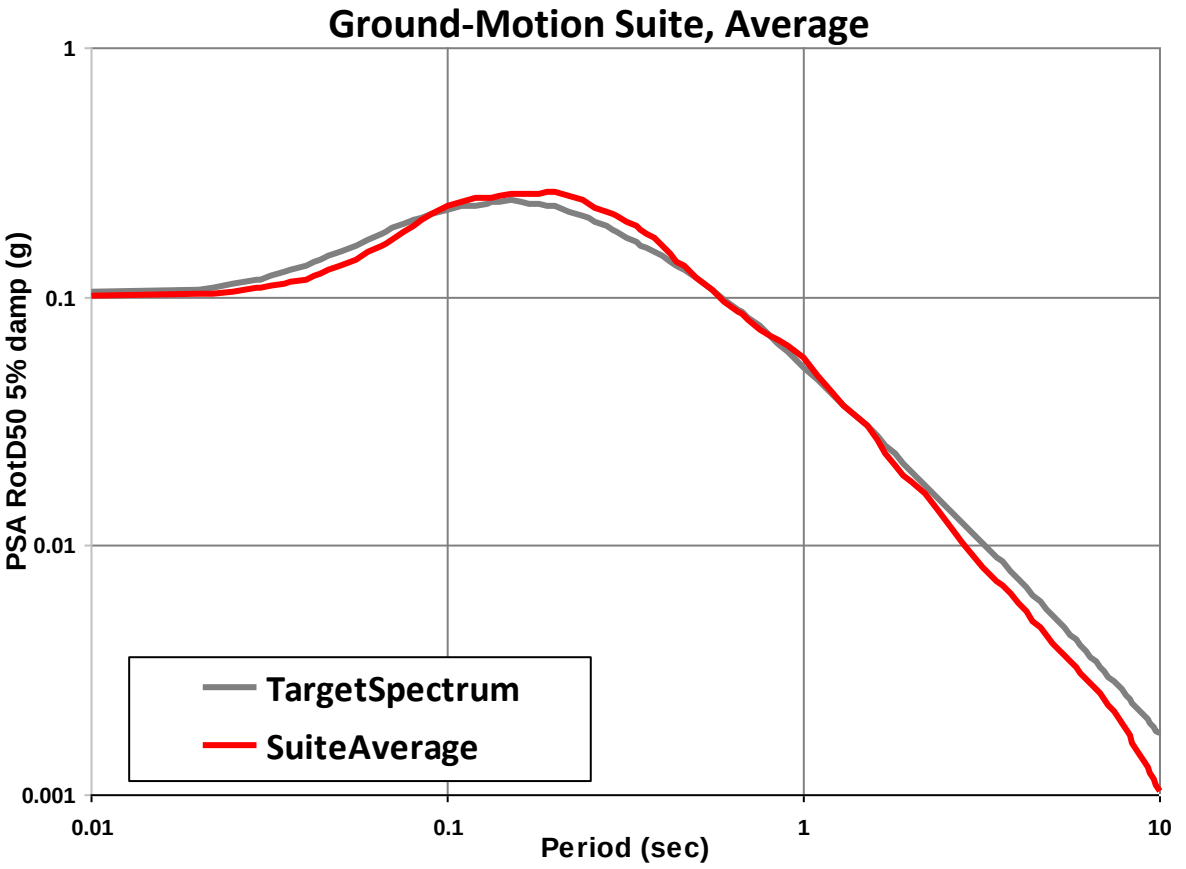
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.3	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
590	Whittier Narrows-01 Altadena - Eaton Canyon 1987	5.99	9	375.16	Reverse O	2.3	0.3	RSN590_WHITTIER.A_A-ALT000.AT2 RSN590_WHITTIER.A_A-ALT090.AT2 RSN590_WHITTIER.A_A-ALT-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.54	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.61	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.41	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.33	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
954	Northridge-01 Big Tujunga, Angeles Nat F 1994	6.69	19	550.11	Reverse	5.8	0.32	RSN954_NORTHR_TUJ262.AT2 RSN954_NORTHR_TUJ352.AT2 RSN954_NORTHR_TUJ-UP.AT2
1016	Northridge-01 La Crescenta - New York 1994	6.69	18	411.55	Reverse	5.5	0.33	RSN1016_NORTHR_NYA090.AT2 RSN1016_NORTHR_NYA180.AT2 RSN1016_NORTHR_NYA-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.4	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.44	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.32	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.45	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	1.28	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.42	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.4	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.4	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3713	Whittier Narrows-02 LA - N Figueroa St 1987	5.27	8	364.91	Reverse O	1.7	0.77	RSN3713_WHITTIER.B_B-FIG058.AT2 RSN3713_WHITTIER.B_B-FIG328.AT2 RSN3713_WHITTIER.B_B-FIG-UP.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.5	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.42	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.37	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4121	Parkfield-02, CA Parkfield - Gold Hill 3E 2004	6	6	450.61	strike slip	4.7	0.41	RSN4121_PARK2004_GH3090.AT2 RSN4121_PARK2004_GH3360.AT2 RSN4121_PARK2004_GH3-UP.AT2
4127	Parkfield-02, CA Parkfield - Stone Corral 2E 2004	6	5	566.33	strike slip	2.2	0.33	RSN4127_PARK2004_SC2090.AT2 RSN4127_PARK2004_SC2360.AT2 RSN4127_PARK2004_SC2-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.51	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.48	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4140	Parkfield-02, CA PARKFIELD - UPSAR 03 2004	6	9	440.59	strike slip	6.1	0.3	RSN4140_PARK2004_UP03090.AT2 RSN4140_PARK2004_UP03360.AT2 RSN4140_PARK2004_UP03-UP.AT2
4278	Friuli (aftershock 9), Italy San Rocco 1976	5.5	12	649.67	Reverse	1.1	0.74	RSN4278_FRIULI.P_W-SRO000.AT2 RSN4278_FRIULI.P_W-SRO090.AT2 RSN4278_FRIULI.P_W-SRO-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	1.03	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4365	Umbria Marche (aftershock 1), Italy Colfiorito-Casermette 1997	5.5	2	405	Normal	2.1	0.33	RSN4365_UBMARCHE.P_E-CLC180.A RSN4365_UBMARCHE.P_E-CLC270.A RSN4365_UBMARCHE.P_E-CLC-DN.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.74	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	2.18	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.88	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	0.97	RSN4553_L-AQUILA.B_CW119XTE.AT RSN4553_L-AQUILA.B_CW119YLN.AT RSN4553_L-AQUILA.B_CW119ZUP.AT
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.3	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.52	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.72	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.92	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.77	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8884	14383980 Brea - Central Ave Caltrans Yard 2008	5.39	9	396.21	Reverse O	1.3	0.35	RSN8884_14383980_13873360.AT2 RSN8884_14383980_13873090.AT2 RSN8884_14383980_13873-UP.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

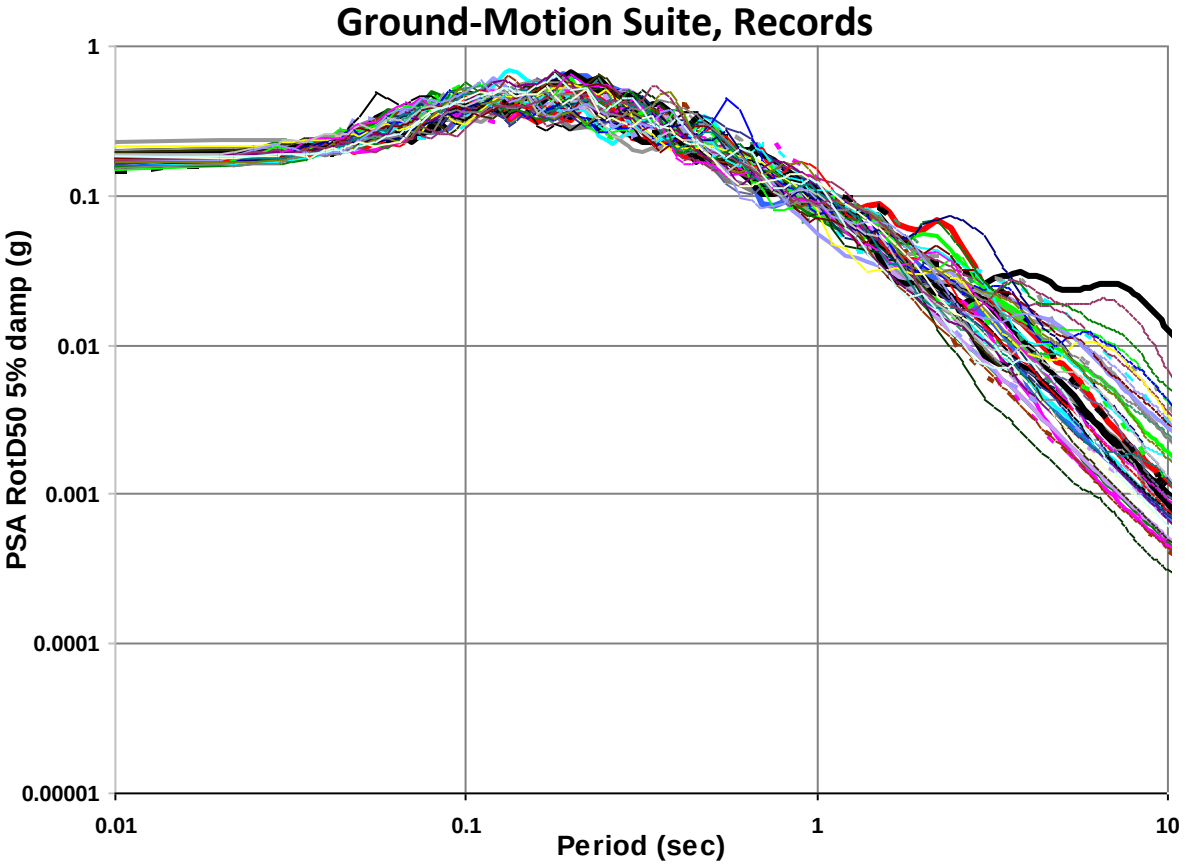
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.62	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	0.59	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.53	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	2.24	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	1.43	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.34	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.05	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.34	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.36	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	0.89	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	0.67	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.46	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2

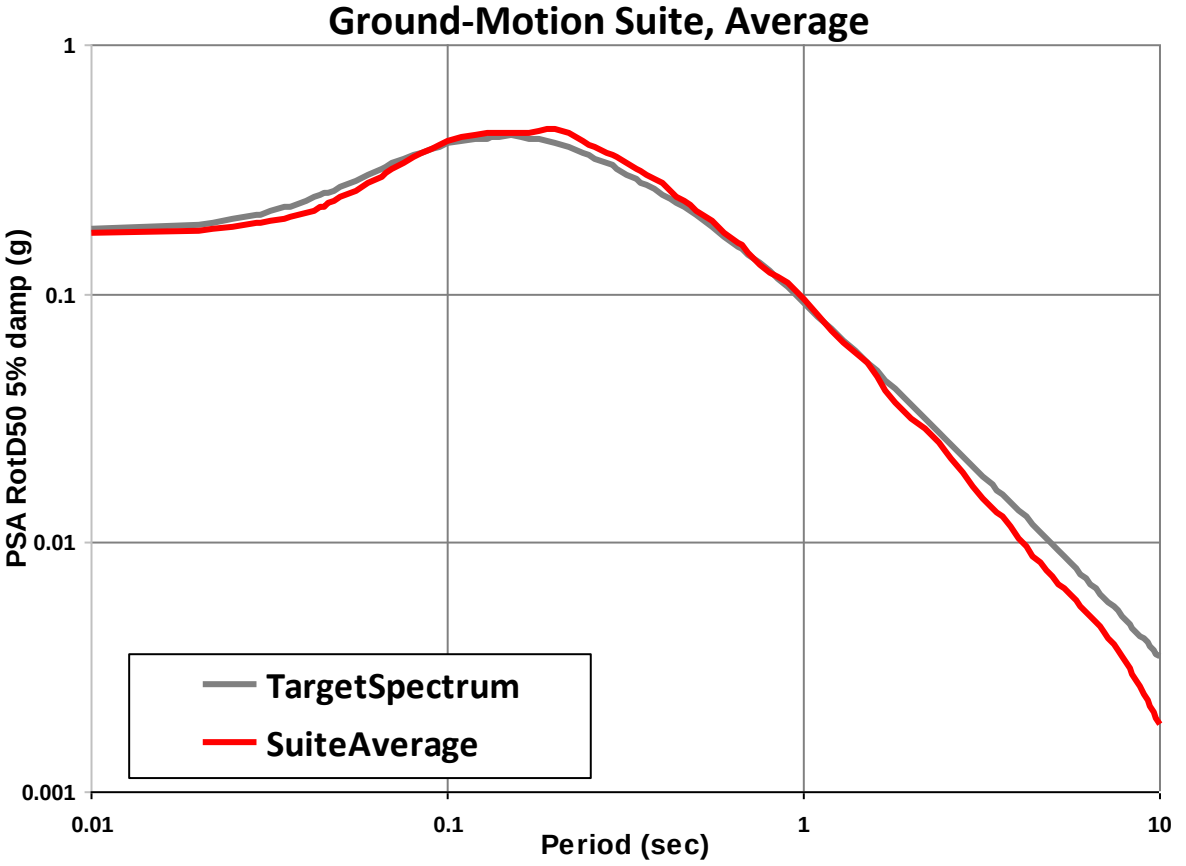
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.28	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.85	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	0.96	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.26	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
954	Northridge-01 Big Tujunga, Angeles Nat F 1994	6.69	19	550.11	Reverse	5.8	0.5	RSN954_NORTHR_TUJ262.AT2 RSN954_NORTHR_TUJ352.AT2 RSN954_NORTHR_TUJ-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.25	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	0.63	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	0.69	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.5	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.38	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.7	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	2.01	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.3	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	0.63	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	0.63	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.79	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	0.66	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.59	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4127	Parkfield-02, CA Parkfield - Stone Corral 2E 2004	6	5	566.33	strike slip	2.2	0.52	RSN4127_PARK2004_SC2090.AT2 RSN4127_PARK2004_SC2360.AT2 RSN4127_PARK2004_SC2-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.8	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.25	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4278	Friuli (aftershock 9), Italy San Rocco 1976	5.5	12	649.67	Reverse	1.1	1.16	RSN4278_FRIULI.P_W-SRO000.AT2 RSN4278_FRIULI.P_W-SRO090.AT2 RSN4278_FRIULI.P_W-SRO-UP.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	1.62	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4365	Umbria Marche (aftershock 1), Italy Colfiorito-Casermette 1997	5.5	2	405	Normal	2.1	0.52	RSN4365_UBMARCHE.P_E-CLC180.A RSN4365_UBMARCHE.P_E-CLC270.A RSN4365_UBMARCHE.P_E-CLC-DN.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.16	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	3.43	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.38	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.26	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4842	Chuetsu-oki Joetsu Uragawaraku Kamabucchi 2007	6.8	19	655.45	Reverse	3	0.26	RSN4842_CHUETSU_65005NS.AT2 RSN4842_CHUETSU_65005EW.AT2 RSN4842_CHUETSU_65005UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.47	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.35	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.38	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	0.82	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	0.26	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	1.13	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.44	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	1.22	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8884	14383980 Brea - Central Ave Caltrans Yard 2008	5.39	9	396.21	Reverse O	1.3	0.55	RSN8884_14383980_13873360.AT2 RSN8884_14383980_13873090.AT2 RSN8884_14383980_13873-UP.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

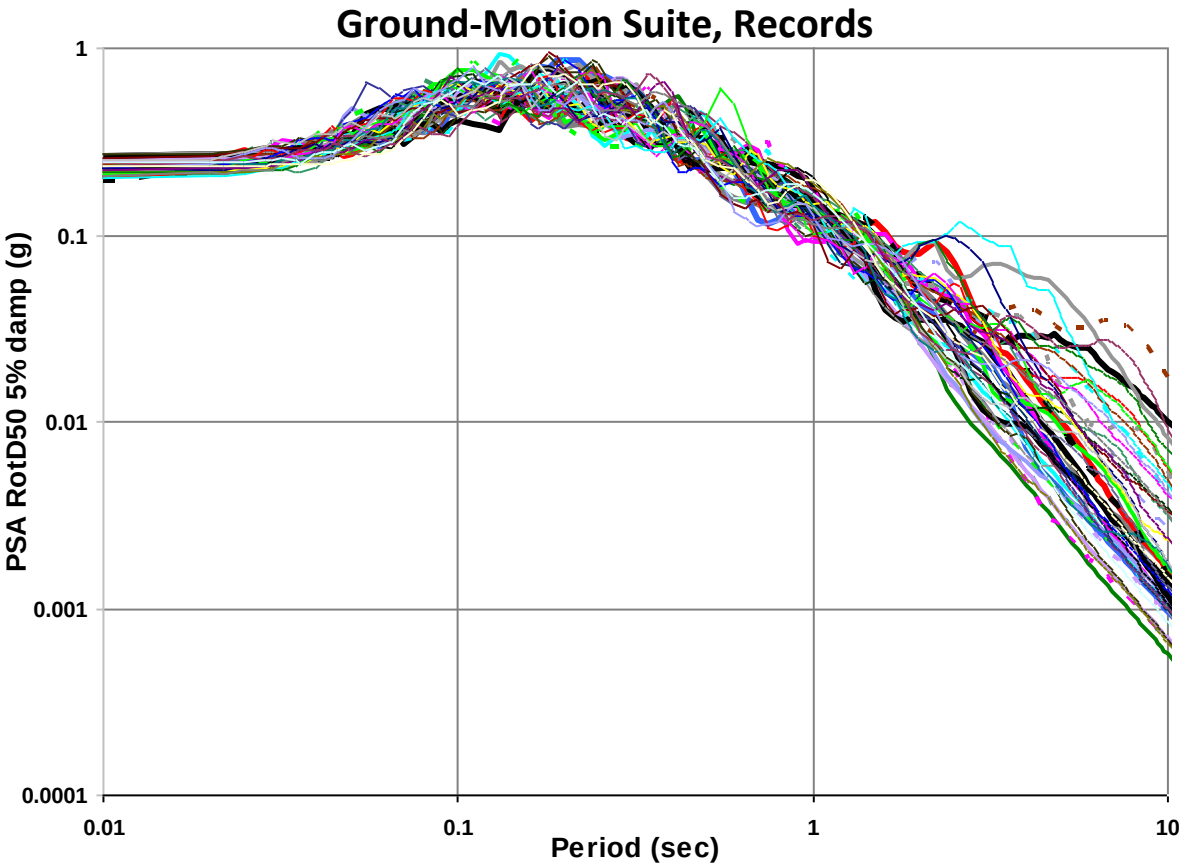
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.09	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.04	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.93	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.36	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	2.51	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.6	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	1.85	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.6	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.64	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	1.57	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	1.18	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	0.82	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2

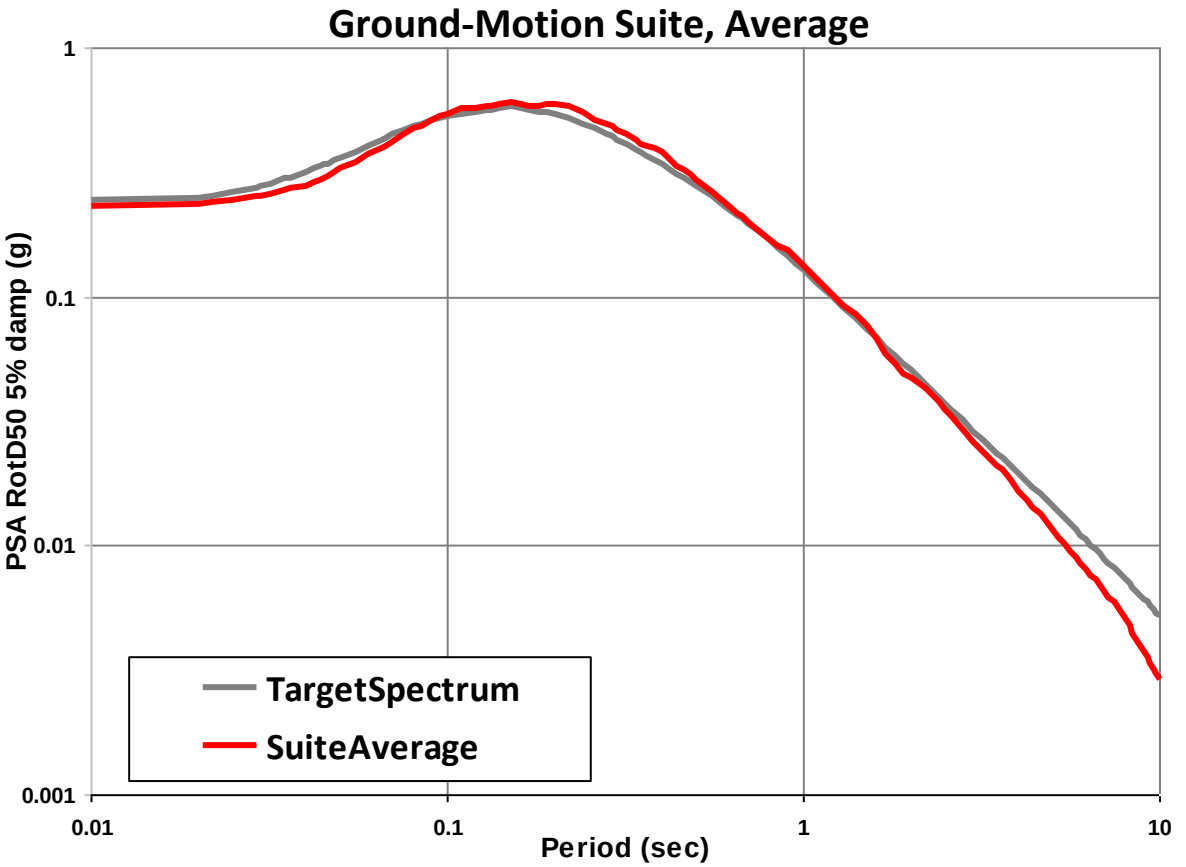
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.5	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
619	Whittier Narrows-01 Garvey Res. - Control Bldg 1987	5.99	0	468.18	Reverse O	2.2	0.43	RSN619_WHITTIER.A_A-GRV060.AT2 RSN619_WHITTIER.A_A-GRV330.AT2 RSN619_WHITTIER.A_A-GRV-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	1.68	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.45	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
954	Northridge-01 Big Tujunga, Angeles Nat F 1994	6.69	19	550.11	Reverse	5.8	0.87	RSN954_NORTHR_TUJ262.AT2 RSN954_NORTHR_TUJ352.AT2 RSN954_NORTHR_TUJ-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.45	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	1.1	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	1.21	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.87	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.67	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	3.54	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.53	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
2658	Chi-Chi, Taiwan-03 TCU129 1999	6.2	11	511.18	Reverse	2.2	0.33	RSN2658_CHICHI.03_TCU129N.AT2 RSN2658_CHICHI.03_TCU129E.AT2 RSN2658_CHICHI.03_TCU129V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	1.11	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.39	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3966	Tottori, Japan TTR009 2000	6.61	9	420.2	strike slip	4.3	0.31	RSN3966_TOTTORI_TTR009NS.AT2 RSN3966_TOTTORI_TTR009EW.AT2 RSN3966_TOTTORI_TTR009UD.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.16	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.04	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.4	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.26	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.43	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4278	Friuli (aftershock 9), Italy San Rocco 1976	5.5	12	649.67	Reverse	1.1	2.05	RSN4278_FRIULI.P_W-SRO000.AT2 RSN4278_FRIULI.P_W-SRO090.AT2 RSN4278_FRIULI.P_W-SRO-UP.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	2.84	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4365	Umbria Marche (aftershock 1), Italy Colfiorito-Casermette 1997	5.5	2	405	Normal	2.1	0.92	RSN4365_UBMARCHE.P_E-CLC180.A RSN4365_UBMARCHE.P_E-CLC270.A RSN4365_UBMARCHE.P_E-CLC-DN.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.05	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.29	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	0.36	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.43	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.45	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.39	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4842	Chuetsu-oki Joetsu Uragawaraku Kamabucchi 2007	6.8	19	655.45	Reverse	3	0.45	RSN4842_CHUETSU_65005NS.AT2 RSN4842_CHUETSU_65005EW.AT2 RSN4842_CHUETSU_65005UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.4	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	0.82	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.62	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.66	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.44	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	0.46	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.54	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

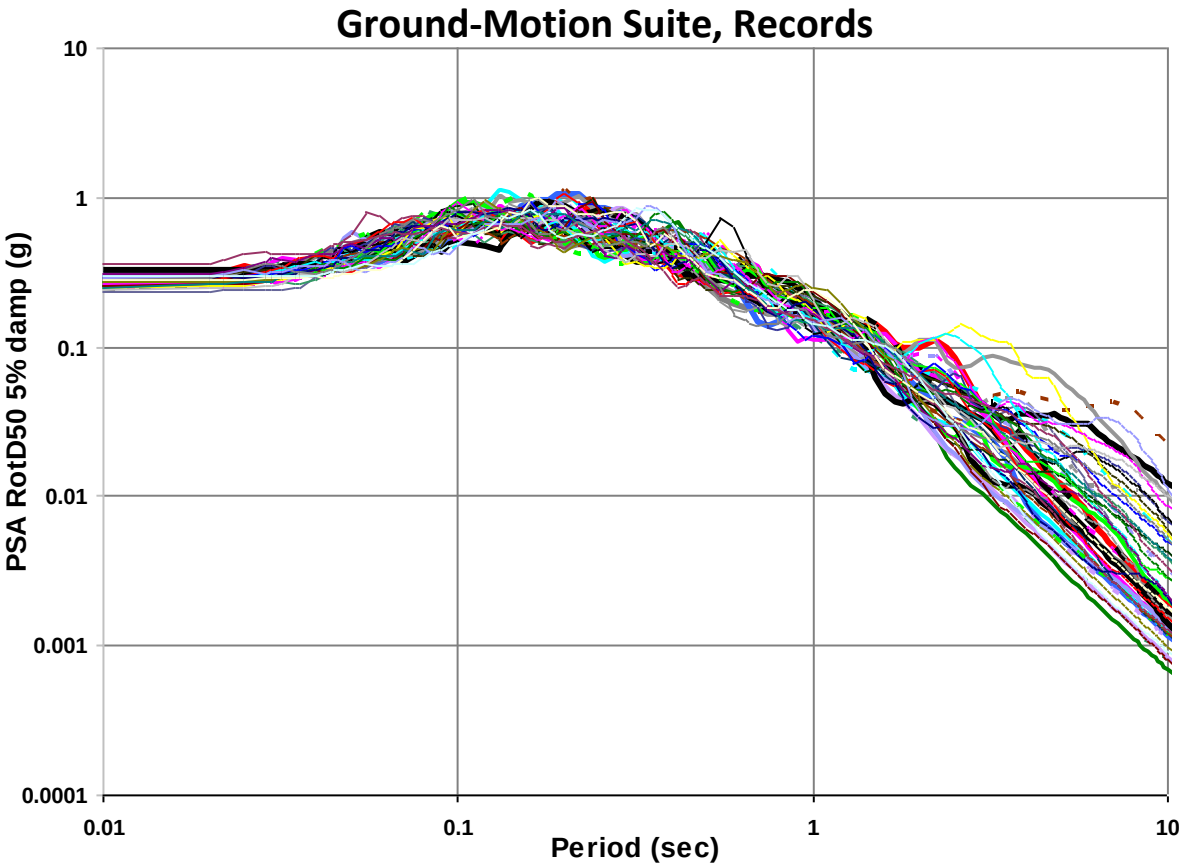
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.48	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.4	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.25	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.49	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	3.39	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.81	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	2.5	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.81	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	0.86	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	2.12	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
419	Coalinga-07 Sulphur Baths (temp) 1983	5.21	10	617.43	Reverse	0.7	1.59	RSN419_COALINGA_F-CSU000.AT2 RSN419_COALINGA_F-CSU090.AT2 RSN419_COALINGA_F-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	1.1	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2

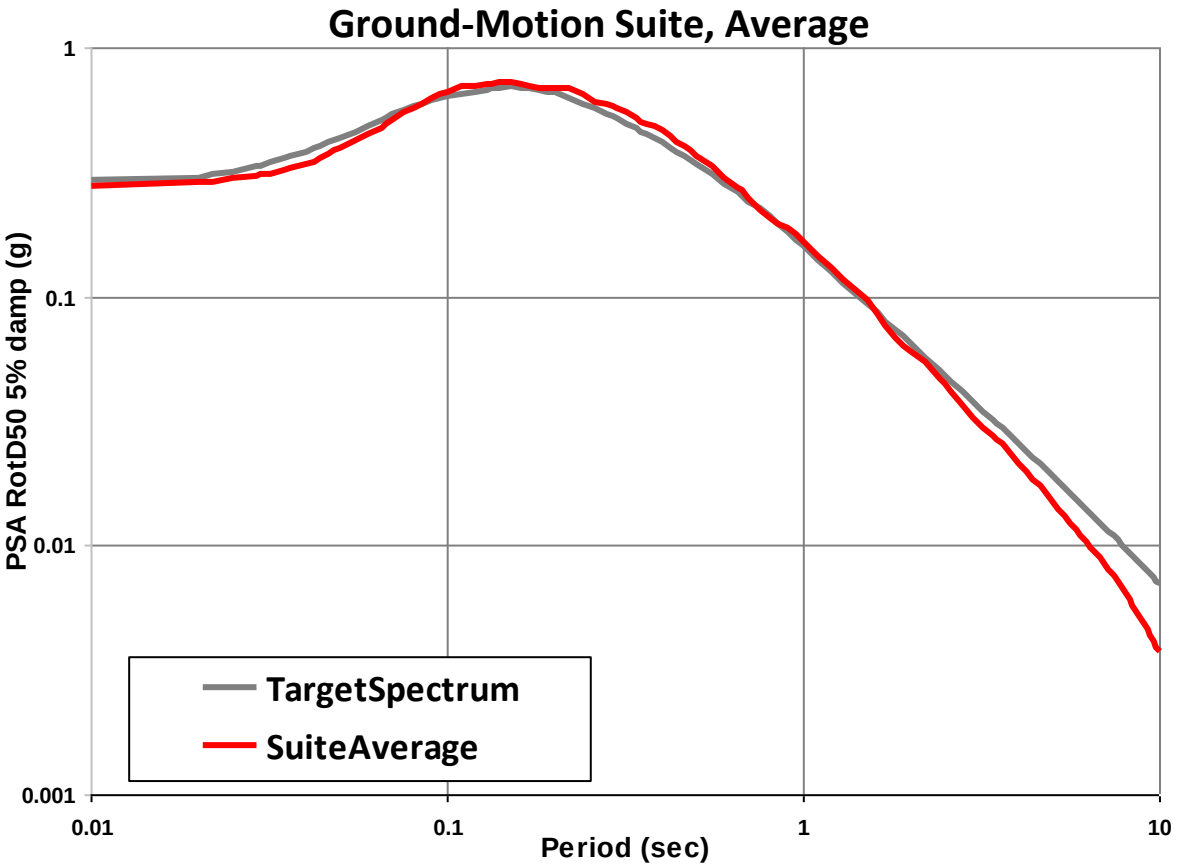
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.67	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.02	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	2.27	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.61	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.61	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	1.49	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.31	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	1.63	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.18	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	0.91	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.72	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	1.49	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	1.5	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.88	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.57	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.4	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4127	Parkfield-02, CA Parkfield - Stone Corral 2E 2004	6	5	566.33	strike slip	2.2	1.23	RSN4127_PARK2004_SC2090.AT2 RSN4127_PARK2004_SC2360.AT2 RSN4127_PARK2004_SC2-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.9	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.35	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.41	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.59	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	3.84	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.76	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.39	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	0.48	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	3.28	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.61	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.53	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.53	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.11	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.43	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5658	Iwate IWTH26 2008	6.9	6	371.06	Reverse	6.1	0.25	RSN5658_IWATE_IWTH26NS.AT2 RSN5658_IWATE_IWTH26EW.AT2 RSN5658_IWATE_IWTH26UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.84	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.89	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	1.95	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	0.63	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	2.67	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	3.43	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

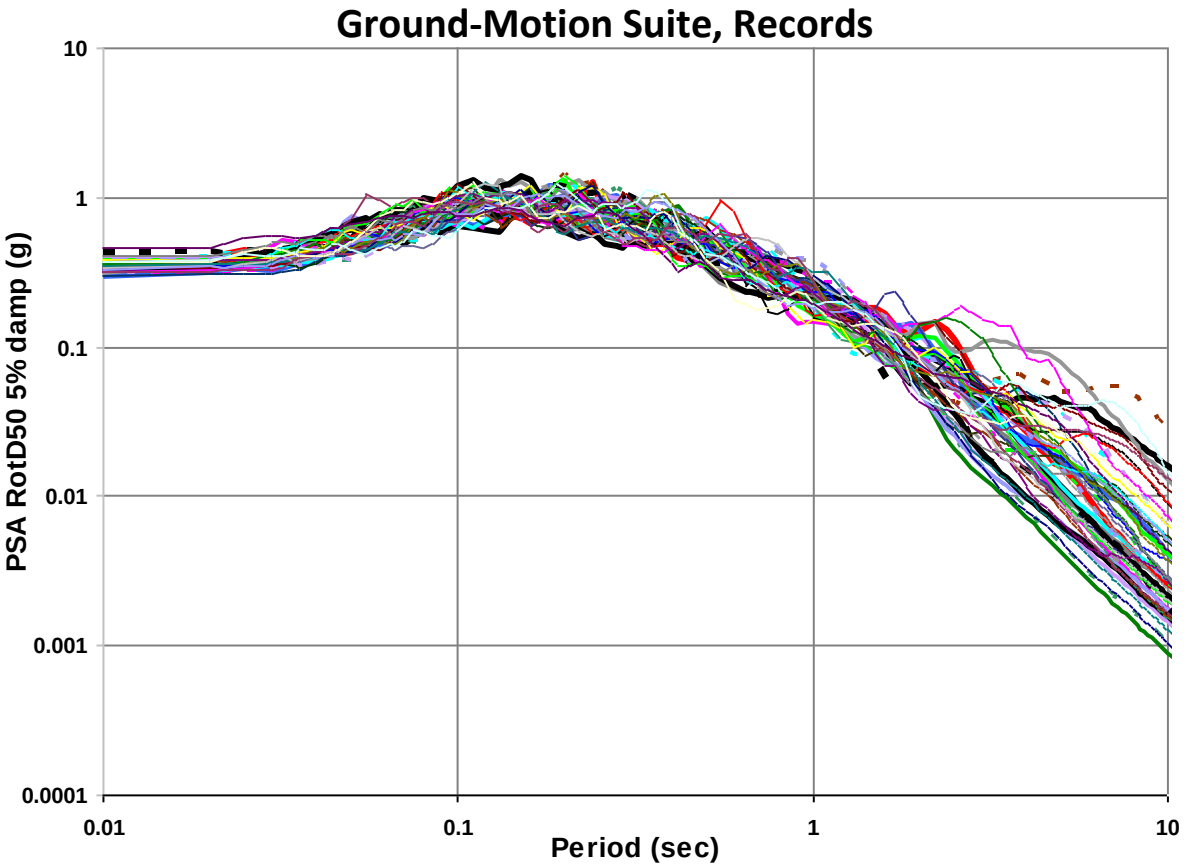
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.8	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.71	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.53	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.6	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.18	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
248	Mammoth Lakes-06 Convict Creek 1980	5.94	6	382.12	strike slip	2.6	0.99	RSN248_MAMMOTH.L_L-CVK090.AT RSN248_MAMMOTH.L_L-CVK180.AT RSN248_MAMMOTH.L_L-CVK-UP.AT
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	3.06	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	0.99	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	1.05	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
414	Coalinga-05 Sulphur Baths (temp) 1983	5.77	10	617.43	Reverse	2.6	2.59	RSN414_COALINGA_D-CSU000.AT2 RSN414_COALINGA_D-CSU090.AT2 RSN414_COALINGA_D-CSU-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	1.35	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.82	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2

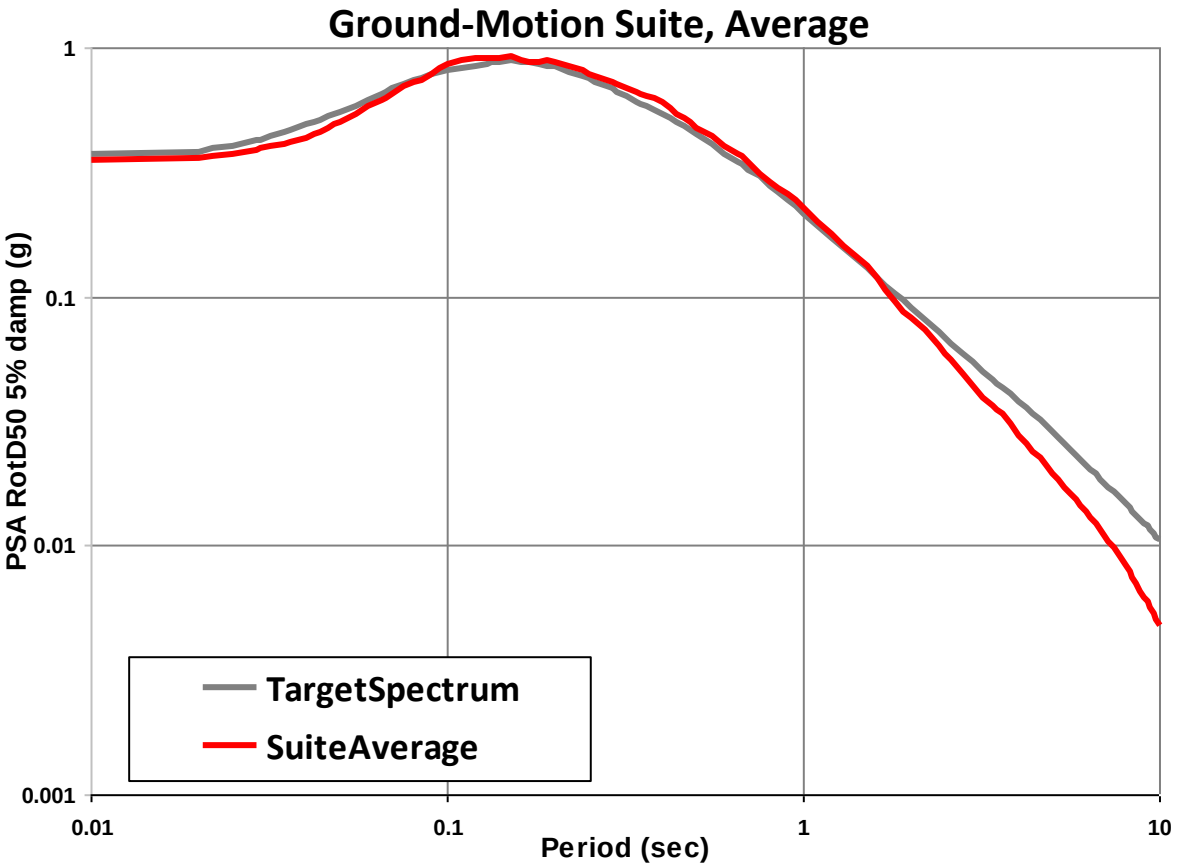
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.47	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	2.78	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.89	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.75	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.87	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.25	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.74	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1126	Kozani, Greece-01 Kozani 1995	6.4	14	649.67	Normal	2.9	1.82	RSN1126_KOZANI_KOZ--L.AT2 RSN1126_KOZANI_KOZ--T.AT2 RSN1126_KOZANI_KOZ-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.37	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	2	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.44	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1642	Sierra Madre Cogswell Dam - Right Abutment 1991	5.61	18	680.37	Reverse	1.4	1.11	RSN1642_SMADRE_COG155.AT2 RSN1642_SMADRE_COG065.AT2 RSN1642_SMADRE_COG-UP.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	0.88	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	1.82	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
3685	Whittier Narrows-02 Arcadia - Campus Dr 1987	5.27	8	367.53	Reverse O	0.7	1.84	RSN3685_WHITTIER.B_B-CAM009.AT RSN3685_WHITTIER.B_B-CAM279.AT RSN3685_WHITTIER.B_B-CAM-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.29	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.92	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.71	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4127	Parkfield-02, CA Parkfield - Stone Corral 2E 2004	6	5	566.33	strike slip	2.2	1.5	RSN4127_PARK2004_SC2090.AT2 RSN4127_PARK2004_SC2360.AT2 RSN4127_PARK2004_SC2-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.32	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.19	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.42	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.5	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.72	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.38	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.48	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	0.59	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.74	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.65	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.65	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.36	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.52	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.03	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.09	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	2.39	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	0.77	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	3.27	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	3.53	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

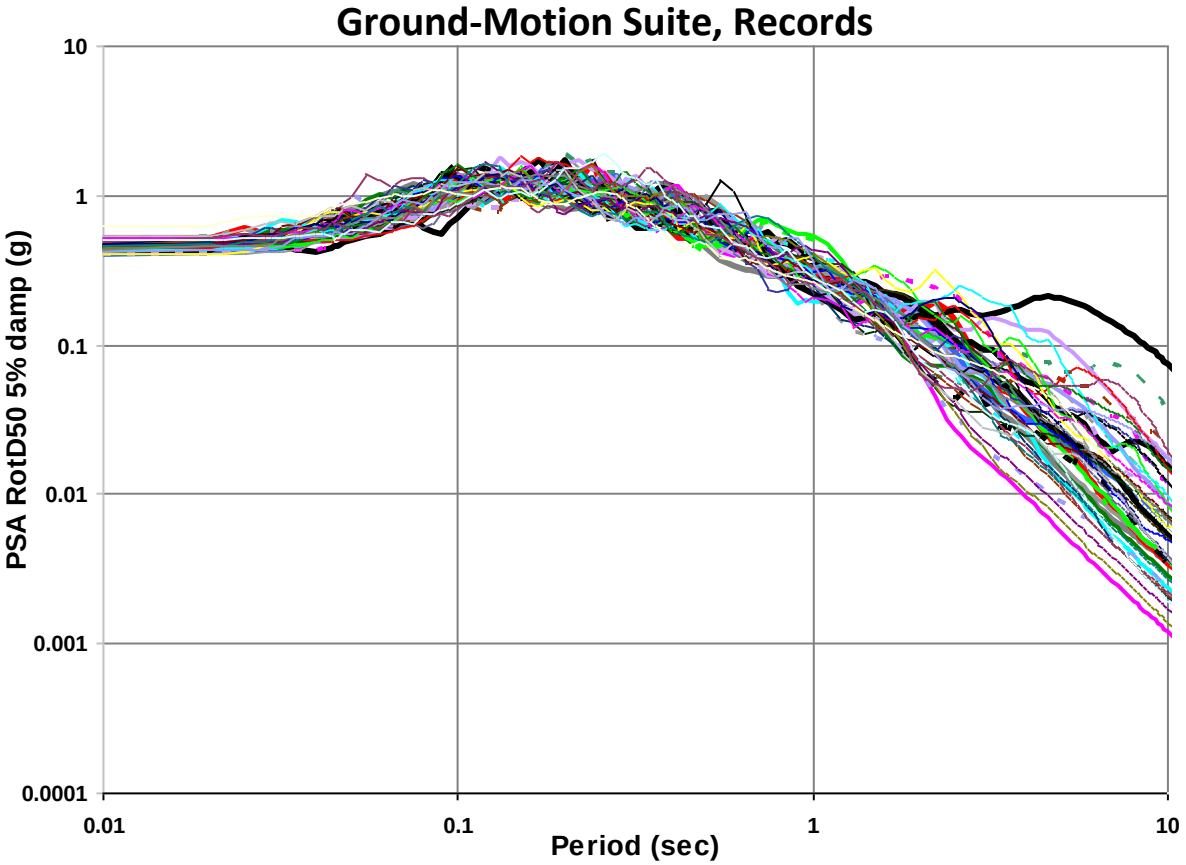
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.34	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	2.22	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.98	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.78	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.91	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.53	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	2.95	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.65	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.28	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
413	Coalinga-05 Skunk Hollow 1983	5.77	7	480.32	Reverse	3.2	1.36	RSN413_COALINGA_D-SKH270.AT2 RSN413_COALINGA_D-SKH360.AT2 RSN413_COALINGA_D-SKH-UP.AT2
514	N. Palm Springs Cabazon 1986	6.06	7	376.91	Reverse O	2	1.75	RSN514_PALMSPR_CAB180.AT2 RSN514_PALMSPR_CAB270.AT2 RSN514_PALMSPR_CAB-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.06	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2

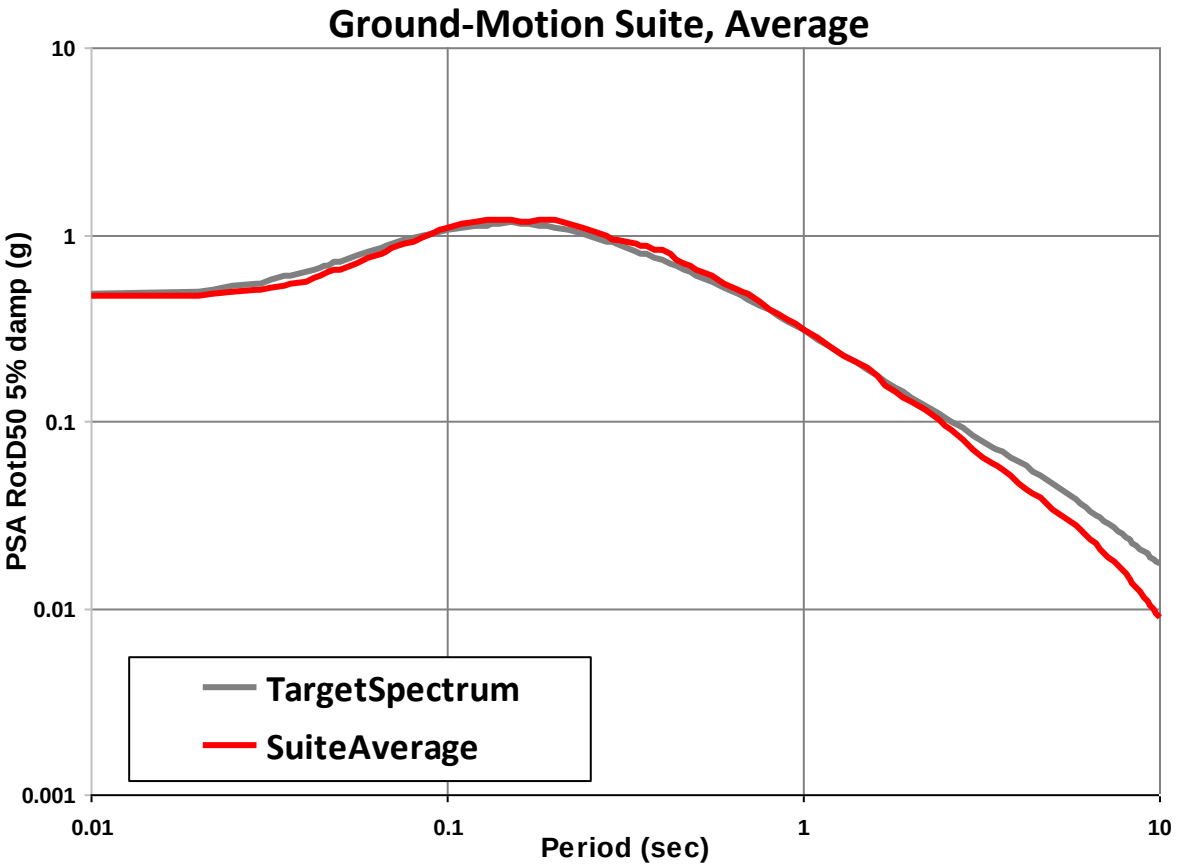
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	3.2	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
621	Whittier Narrows-01 Glendora - N Oakbank 1987	5.99	14	362.31	Reverse O	4.1	3.6	RSN621_WHITTIER.A_A-OAK080.AT2 RSN621_WHITTIER.A_A-OAK170.AT2 RSN621_WHITTIER.A_A-OAK-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	2.45	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.95	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.97	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.13	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.32	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.96	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.48	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	2.59	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.87	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	2.64	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	1.15	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	2.36	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.97	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.74	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	2.49	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.22	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4127	Parkfield-02, CA Parkfield - Stone Corral 2E 2004	6	5	566.33	strike slip	2.2	1.95	RSN4127_PARK2004_SC2090.AT2 RSN4127_PARK2004_SC2360.AT2 RSN4127_PARK2004_SC2-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.3	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	3.01	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.85	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.55	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.65	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.93	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.62	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	0.77	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	3.65	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.96	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	0.84	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.85	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.76	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.68	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.26	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.33	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.41	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	3.09	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	0.99	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	09 SanBernardino
Site Vs30 (m/s)	760
Return Period (yr)	250

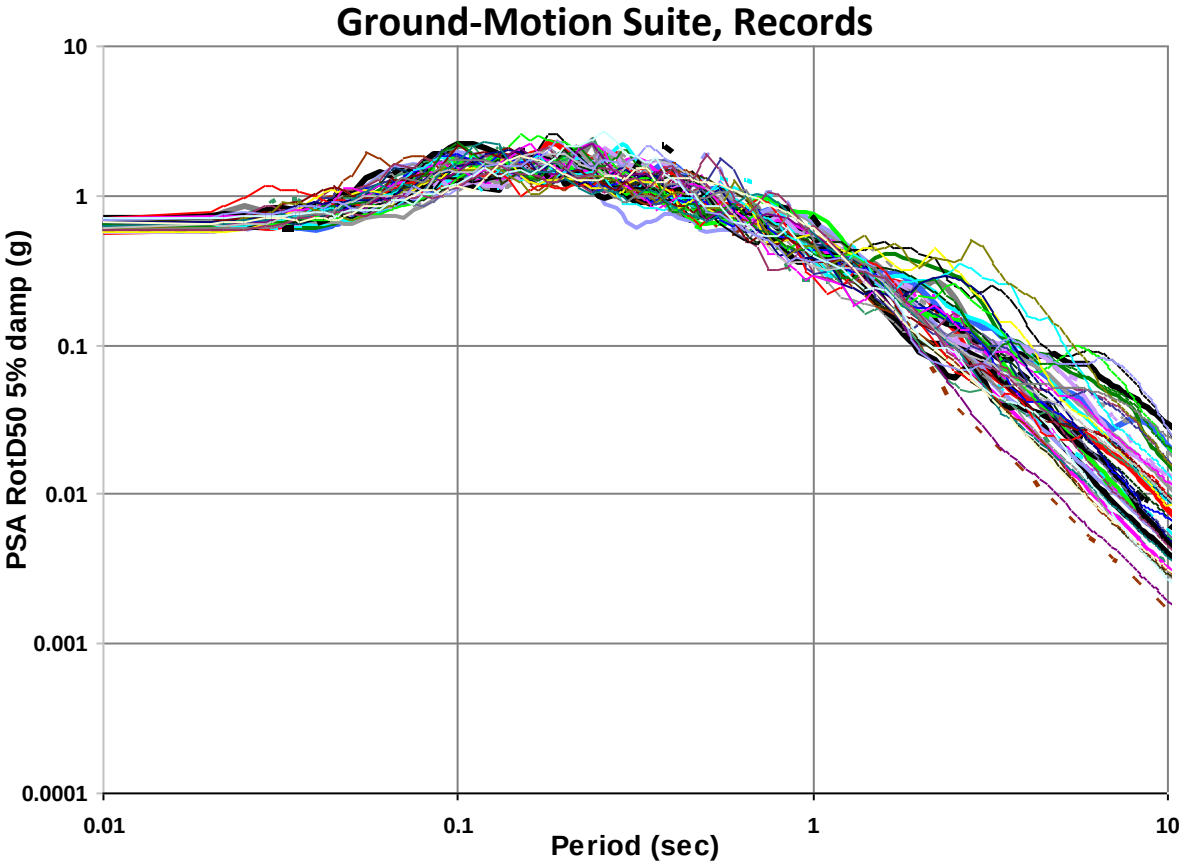
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	3.12	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	2.97	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.27	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.65	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.04	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.55	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.04	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	2.36	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.21	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.71	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.41	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	3.27	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

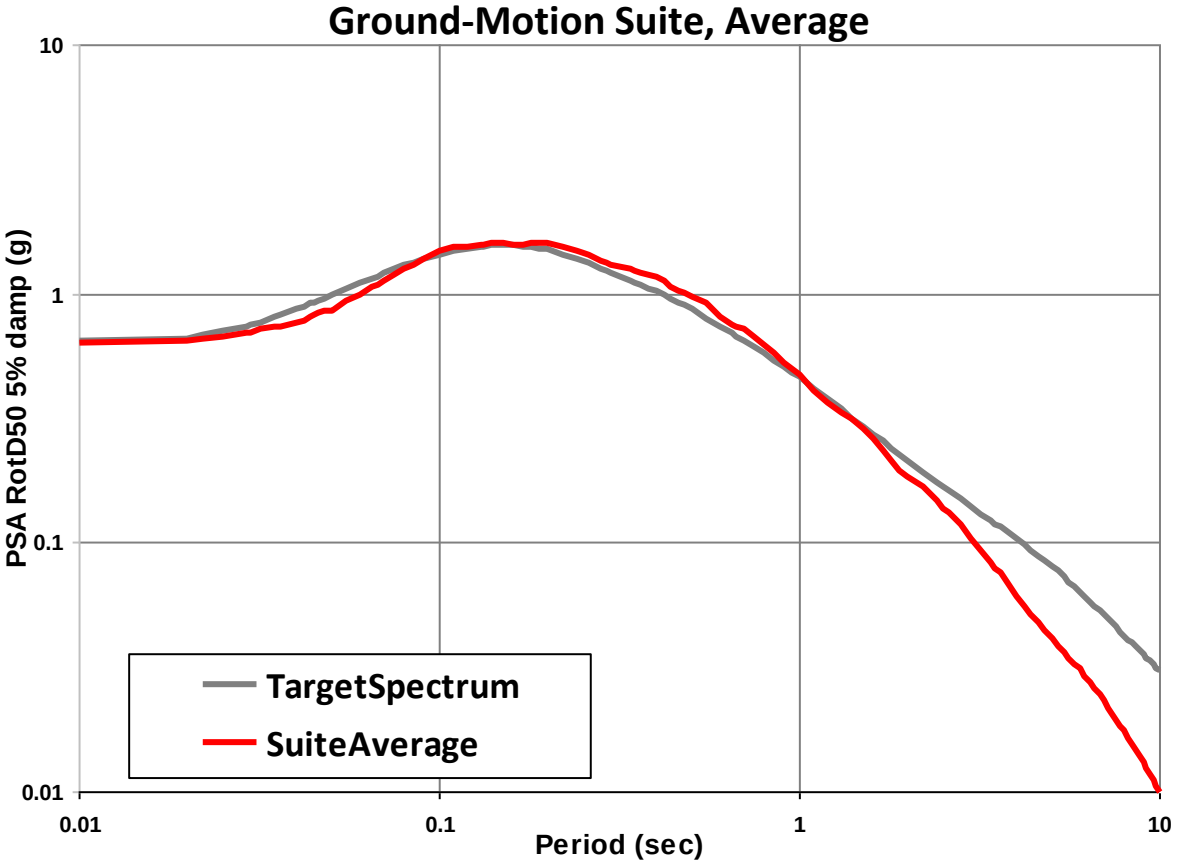
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.61	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.29	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.5	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.43	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	0.94	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.28	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	2.86	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.65	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1612	Duzce, Turkey Lamont 1059 1999	7.14	4	551.3	strike slip	10.3	3.46	RSN1612_DUZCE_1059-N.AT2 RSN1612_DUZCE_1059-E.AT2 RSN1612_DUZCE_1059-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.49	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.77	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	1.53	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
2703	Chi-Chi, Taiwan-04 CHY028 1999	6.2	18	542.61	strike slip	4.6	3.15	RSN2703_CHICHI.04_CHY028N.AT2 RSN2703_CHICHI.04_CHY028E.AT2 RSN2703_CHICHI.04_CHY028V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.54	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.98	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	3.33	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.96	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.73	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	3.8	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.73	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.86	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.24	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.47	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.82	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	1.02	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.29	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.12	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	1.55	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	3.03	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.13	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	1.47	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	2.35	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.9	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.34	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.78	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.89	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	1.33	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	09 SanBernardino
Site Vs30 (m/s)	760
Return Period (yr)	500

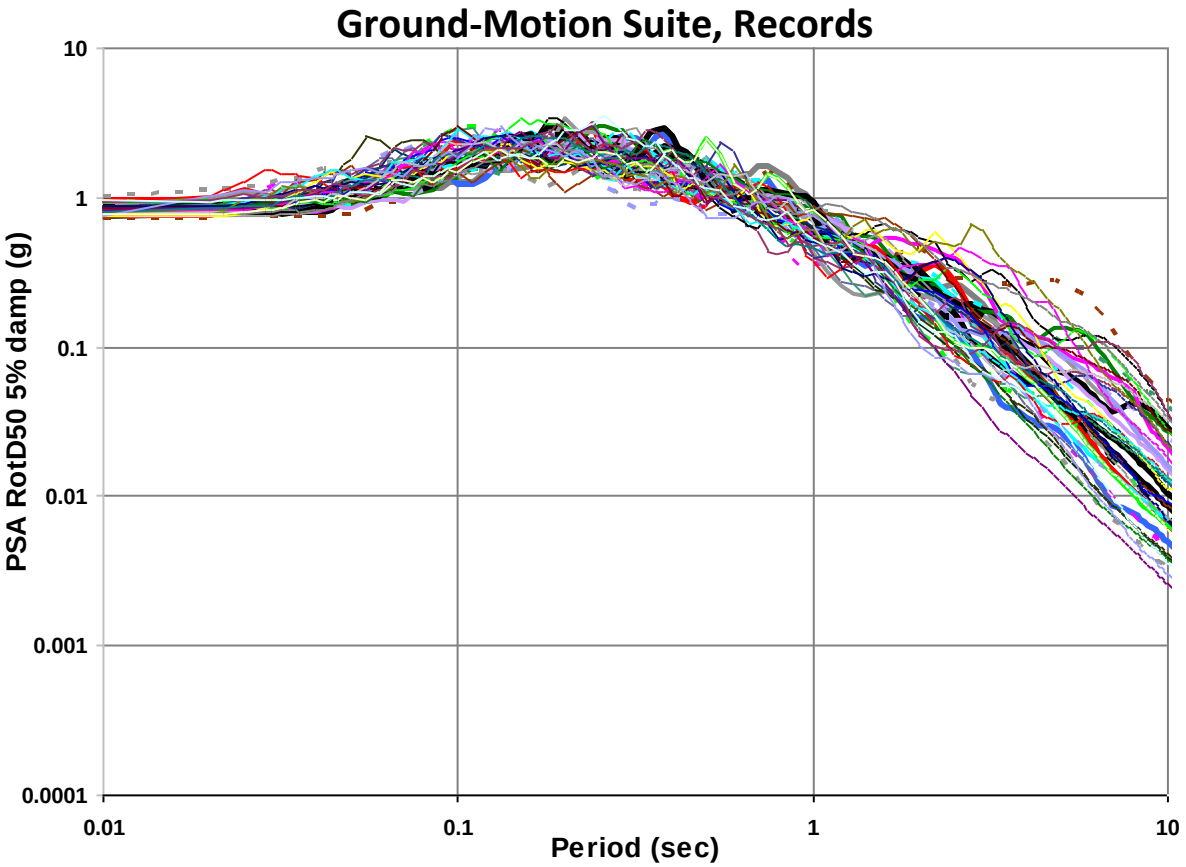
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.78	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	3.7	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.45	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	3.56	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	2.86	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	3.54	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	3.3	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	3.09	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	2.39	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.98	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	3.65	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.8	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2

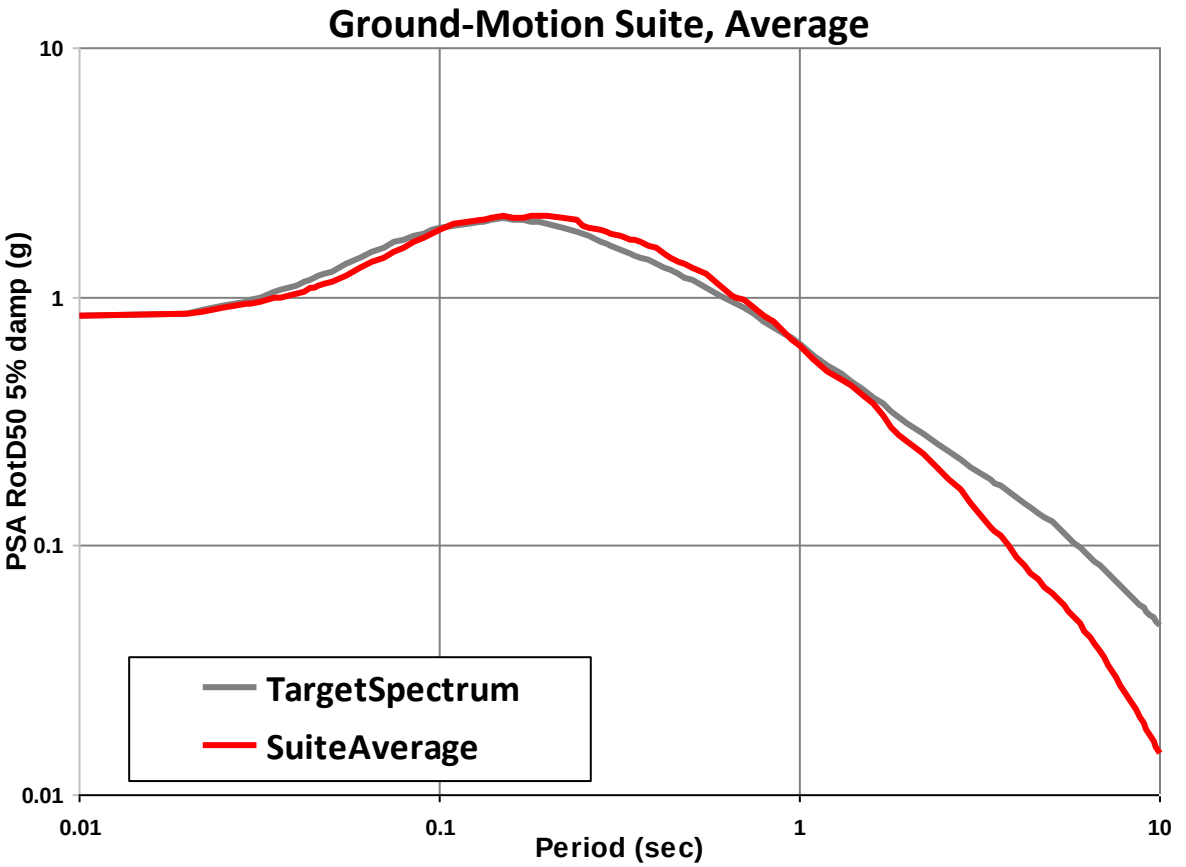
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.1	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.32	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.79	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.9	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	3.48	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.08	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	1.43	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	1.78	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	2.86	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	3.55	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.38	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	1.75	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	2.27	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	1.95	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.42	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.03	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.21	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.74	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	3.46	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.15	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	1.43	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.8	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.57	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4848	Chuetsu-oki Joetsu Ogataku 2007	6.8	17	414.23	Reverse	4.9	2.42	RSN4848_CHUETSU_65011NS.AT2 RSN4848_CHUETSU_65011EW.AT2 RSN4848_CHUETSU_65011UD.AT2
4873	Chuetsu-oki Kashiwazaki City Takayanagicho 2007	6.8	10	561.59	Reverse	3.5	1.25	RSN4873_CHUETSU_65056NS.AT2 RSN4873_CHUETSU_65056EW.AT2 RSN4873_CHUETSU_65056UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	2.16	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.58	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.05	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	3.28	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.26	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.48	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.49	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.64	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	1.92	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	1.85	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	2.25	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT
8674	40204628 Mt. Hamilton Road 2007	5.45	4	471	strike slip	1.1	3.74	RSN8674_40204628_NCCHRHNN.AT RSN8674_40204628_NCCHRHNE.AT2 RSN8674_40204628_NCCHRHNZ.AT2

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	09 SanBernardino
Site Vs30 (m/s)	760
Return Period (yr)	1000

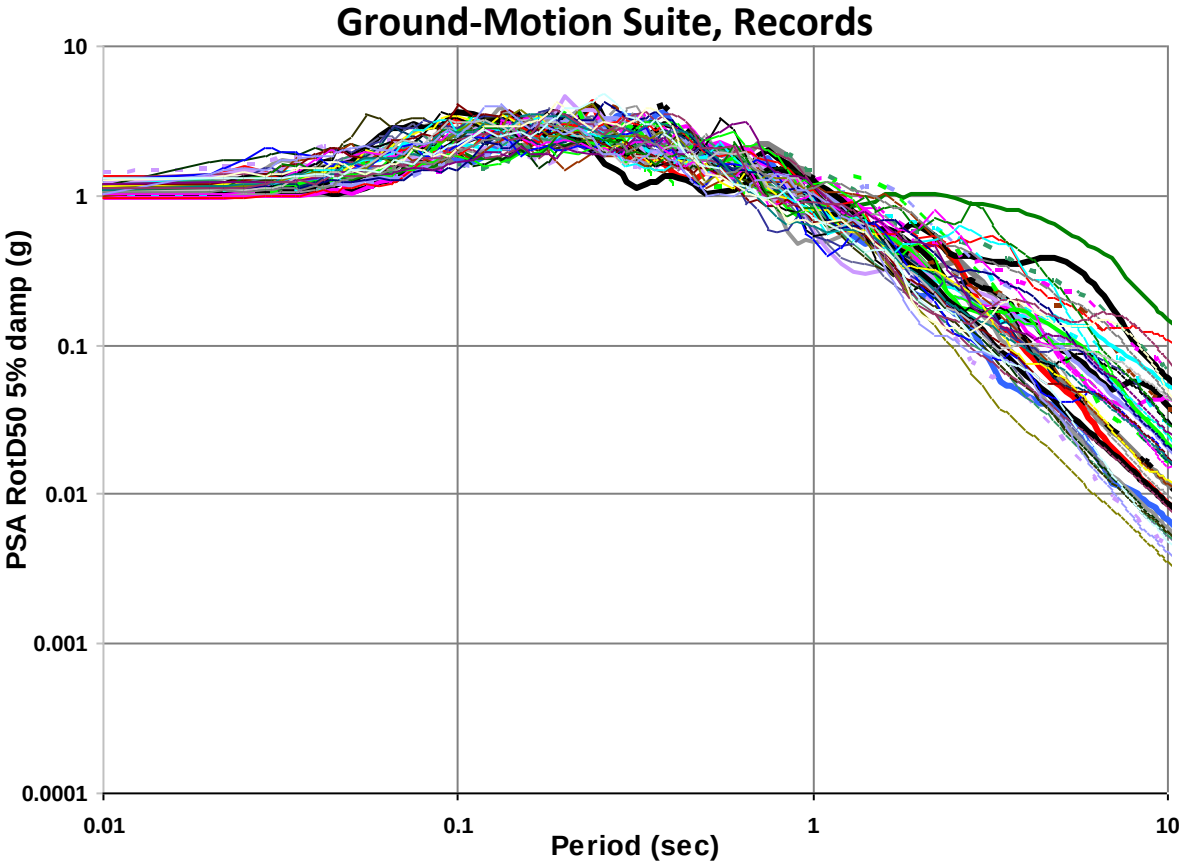
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
57	San Fernando Castaic - Old Ridge Route 1971	6.61	19	450.28	Reverse	6.2	3.06	RSN57_SFERN_ORR021.AT2 RSN57_SFERN_ORR291.AT2 RSN57_SFERN_ORRDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	2.36	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
143	Tabas, Iran Tabas 1978	7.35	2	766.77	Reverse	8	0.88	RSN143_TABAS_TAB-L1.AT2 RSN143_TABAS_TAB-T1.AT2 RSN143_TABAS_TAB-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.93	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	3.8	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
265	Victoria, Mexico Cerro Prieto 1980	6.33	14	471.53	strike slip	4.3	1.66	RSN265_VICT_CPE045.AT2 RSN265_VICT_CPE315.AT2 RSN265_VICT_CPE-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	3.17	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.63	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	2.4	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.79	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	2.08	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
811	Loma Prieta WAHO 1989	6.93	11	388.33	Reverse O	7	1.4	RSN811_LOMAP_WAH000.AT2 RSN811_LOMAP_WAH090.AT2 RSN811_LOMAP_WAH-UP.AT2

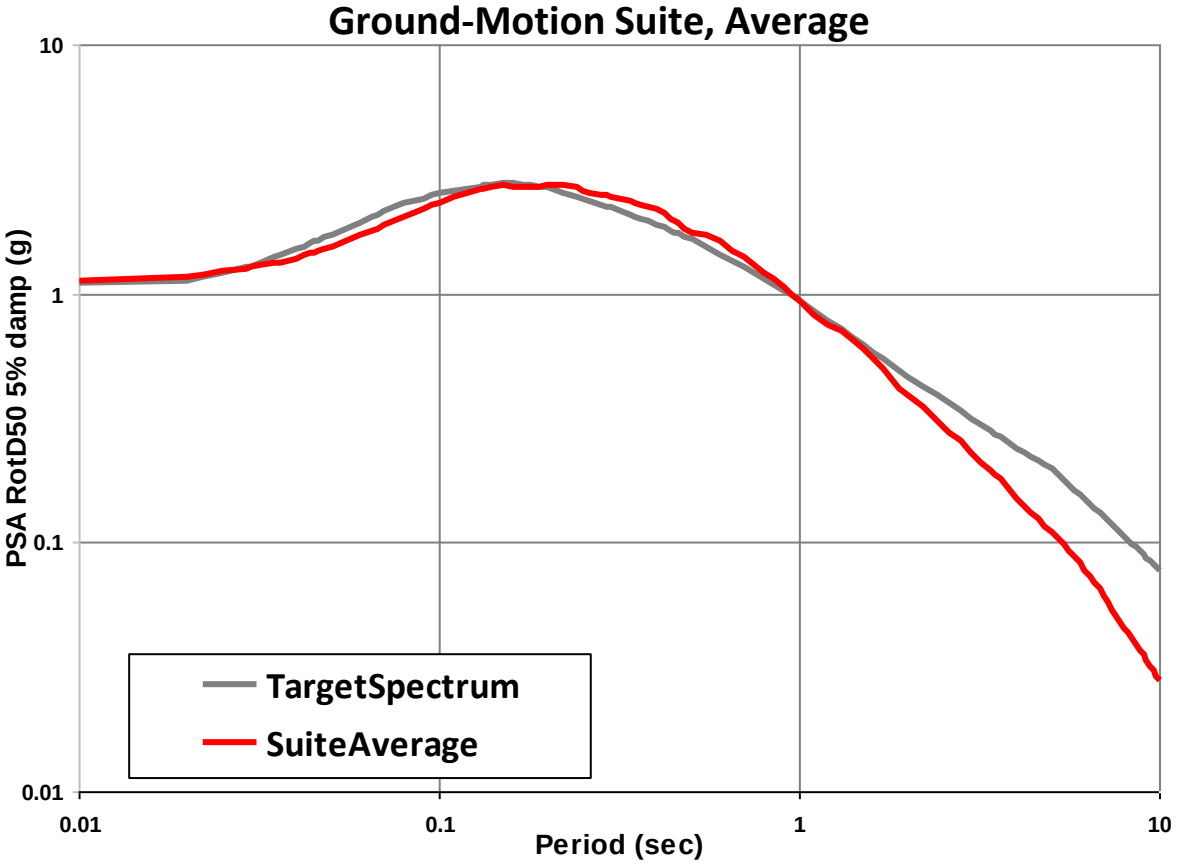
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.76	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	1.06	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	2.38	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1012	Northridge-01 LA 00 1994	6.69	10	706.22	Reverse	5.1	2.54	RSN1012_NORTHR_LA0180.AT2 RSN1012_NORTHR_LA0270.AT2 RSN1012_NORTHR_LA0DWN.AT2
1507	Chi-Chi, Taiwan TCU071 1999	7.62	0	624.85	Reverse O	15.6	1.26	RSN1507_CHICHI_TCU071-E.AT2 RSN1507_CHICHI_TCU071-N.AT2 RSN1507_CHICHI_TCU071-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	1.2	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.43	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	1.9	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	2.84	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	2.37	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	3.8	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.83	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	2.33	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4068	Parkfield-02, CA PARKFIELD - HOG CANYON 2004	6	1	363.69	strike slip	4.2	3.02	RSN4068_PARK2004_HOG-90.AT2 RSN4068_PARK2004_HOG360.AT2 RSN4068_PARK2004_HOG-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	2.6	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	3.22	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.37	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	1	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.6	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	2.31	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.53	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	1.9	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4483	L'Aquila, Italy L'Aquila - Parking 2009	6.3	0	717	Normal	5	2.12	RSN4483_L-AQUILA_AM043XTE.AT2 RSN4483_L-AQUILA_AM043YLN.AT2 RSN4483_L-AQUILA_AM043ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	2.39	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	2.09	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4848	Chuetsu-oki Joetsu Ogataku 2007	6.8	17	414.23	Reverse	4.9	3.22	RSN4848_CHUETSU_65011NS.AT2 RSN4848_CHUETSU_65011EW.AT2 RSN4848_CHUETSU_65011UD.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4873	Chuetsu-oki Kashiwazaki City Takayanagicho 2007	6.8	10	561.59	Reverse	3.5	1.66	RSN4873_CHUETSU_65056NS.AT2 RSN4873_CHUETSU_65056EW.AT2 RSN4873_CHUETSU_65056UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	2.88	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	2.1	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.73	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.68	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.64	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	3.31	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	3.51	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	2.55	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	2.47	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2
8486	Parkfield-02, CA Hog Canyon 2004	6	5	376	strike slip	4.2	2.99	RSN8486_PARK2004_NPHOBHNN.AT RSN8486_PARK2004_NPHOBHNE.AT RSN8486_PARK2004_NPHOBHNZ.AT

Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	**09 SanBernardino**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**

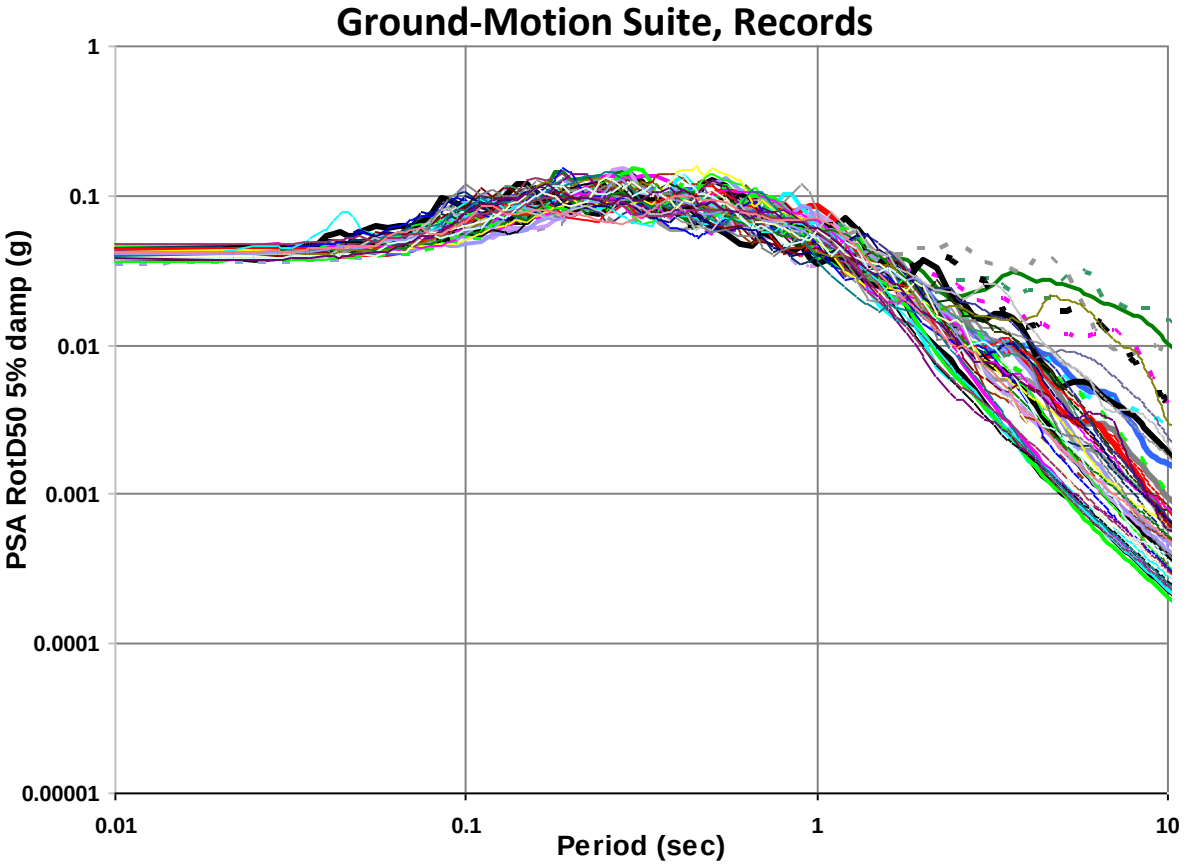
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	3.22	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
143	Tabas, Iran Tabas 1978	7.35	2	766.77	Reverse	8	1.2	RSN143_TABAS_TAB-L1.AT2 RSN143_TABAS_TAB-T1.AT2 RSN143_TABAS_TAB-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	2.63	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
265	Victoria, Mexico Cerro Prieto 1980	6.33	14	471.53	strike slip	4.3	2.26	RSN265_VICT_CPE045.AT2 RSN265_VICT_CPE315.AT2 RSN265_VICT_CPE-UP.AT2
451	Morgan Hill Coyote Lake Dam - Southwest Abut 1984	6.19	0	561.43	strike slip	2.3	1.38	RSN451_MORGAN_CYC195.AT2 RSN451_MORGAN_CYC285.AT2 RSN451_MORGAN_CYC-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	3.58	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
755	Loma Prieta Coyote Lake Dam - Southwest Abut 1989	6.93	20	561.43	Reverse O	5.1	3.51	RSN755_LOMAP_CYC195.AT2 RSN755_LOMAP_CYC285.AT2 RSN755_LOMAP_CYC-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	3.27	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	3.81	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
802	Loma Prieta Saratoga - Aloha Ave 1989	6.93	8	380.89	Reverse O	3.9	2.84	RSN802_LOMAP_STG000.AT2 RSN802_LOMAP_STG090.AT2 RSN802_LOMAP_STG-UP.AT2
811	Loma Prieta WAHO 1989	6.93	11	388.33	Reverse O	7	1.91	RSN811_LOMAP_WAH000.AT2 RSN811_LOMAP_WAH090.AT2 RSN811_LOMAP_WAH-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	2.39	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2

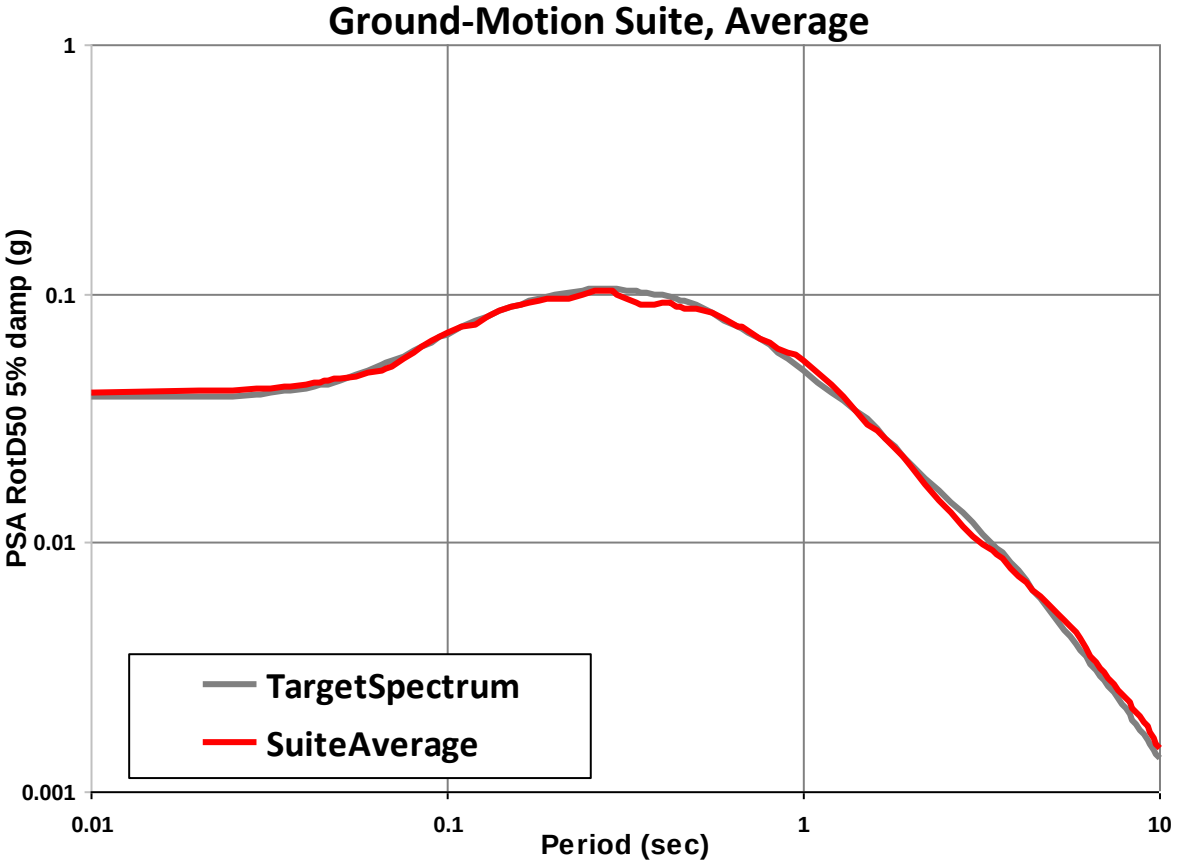
Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
1004	Northridge-01 LA - Sepulveda VA Hospital 1994	6.69	0	380.06	Reverse	4.5	1.44	RSN1004_NORTHR_SPV270.AT2 RSN1004_NORTHR_SPV360.AT2 RSN1004_NORTHR_SPV-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	3.25	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1012	Northridge-01 LA 00 1994	6.69	10	706.22	Reverse	5.1	3.46	RSN1012_NORTHR_LA0180.AT2 RSN1012_NORTHR_LA0270.AT2 RSN1012_NORTHR_LA0DWN.AT2
1507	Chi-Chi, Taiwan TCU071 1999	7.62	0	624.85	Reverse O	15.6	1.72	RSN1507_CHICHI_TCU071-E.AT2 RSN1507_CHICHI_TCU071-N.AT2 RSN1507_CHICHI_TCU071-V.AT2
1510	Chi-Chi, Taiwan TCU075 1999	7.62	1	573.02	Reverse O	19.4	3.61	RSN1510_CHICHI_TCU075-E.AT2 RSN1510_CHICHI_TCU075-N.AT2 RSN1510_CHICHI_TCU075-V.AT2
1511	Chi-Chi, Taiwan TCU076 1999	7.62	3	614.98	Reverse O	17	2.65	RSN1511_CHICHI_TCU076-E.AT2 RSN1511_CHICHI_TCU076-N.AT2 RSN1511_CHICHI_TCU076-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	2.51	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1521	Chi-Chi, Taiwan TCU089 1999	7.62	0	671.52	Reverse O	20.5	3.63	RSN1521_CHICHI_TCU089-E.AT2 RSN1521_CHICHI_TCU089-N.AT2 RSN1521_CHICHI_TCU089-V.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	1.64	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.95	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2628	Chi-Chi, Taiwan-03 TCU078 1999	6.2	0	443.04	Reverse	2.2	2.59	RSN2628_CHICHI.03_TCU078N.AT2 RSN2628_CHICHI.03_TCU078E.AT2 RSN2628_CHICHI.03_TCU078V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	3.88	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3473	Chi-Chi, Taiwan-06 TCU078 1999	6.3	6	443.04	Reverse	2.6	3.23	RSN3473_CHICHI.06_TCU078N.AT2 RSN3473_CHICHI.06_TCU078E.AT2 RSN3473_CHICHI.06_TCU078V.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
3746	Cape Mendocino Centerville Beach, Naval Fac 1992	7.01	16	459.04	Reverse	4.5	2.49	RSN3746_CAPEMEND_CBF270.AT2 RSN3746_CAPEMEND_CBF360.AT2 RSN3746_CAPEMEND_CBF-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	2.5	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4040	Bam, Iran Bam 2003	6.6	0	487.4	strike slip	5.5	1.41	RSN4040_BAM_BAM-L.AT2 RSN4040_BAM_BAM-T.AT2 RSN4040_BAM_BAM-V.AT2
4065	Parkfield-02, CA PARKFIELD - EADES 2004	6	1	383.9	strike slip	2.8	3.17	RSN4065_PARK2004_EADES-90.AT2 RSN4065_PARK2004_EADES360.AT2 RSN4065_PARK2004_EADES-UP.AT2
4130	Parkfield-02, CA Parkfield - Vineyard Cany 1E 2004	6	2	381.27	strike slip	2.6	3.54	RSN4130_PARK2004_PV1090.AT2 RSN4130_PARK2004_PV1360.AT2 RSN4130_PARK2004_PV1-UP.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.86	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4219	Niigata, Japan NIGH01 2004	6.63	0	480.4	Reverse	4.2	1.37	RSN4219_NIIGATA_NIGH01NS.AT2 RSN4219_NIIGATA_NIGH01EW.AT2 RSN4219_NIIGATA_NIGH01UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	2.19	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	2.09	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4481	L'Aquila, Italy L'Aquila - V. Aterno -Colle Grilli 2009	6.3	0	685	Normal	4.3	2.49	RSN4481_L-AQUILA_FA030XTE.AT2 RSN4481_L-AQUILA_FA030YLN.AT2 RSN4481_L-AQUILA_FA030ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	2.6	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4483	L'Aquila, Italy L'Aquila - Parking 2009	6.3	0	717	Normal	5	2.89	RSN4483_L-AQUILA_AM043XTE.AT2 RSN4483_L-AQUILA_AM043YLN.AT2 RSN4483_L-AQUILA_AM043ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	3.26	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	09 SanBernardino							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	2.85	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	3.86	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4864	Chuetsu-oki Yoitamachi Yoita Nagaoka 2007	6.8	5	655.45	Reverse	7.1	3.1	RSN4864_CHUETSU_65037NS.AT2 RSN4864_CHUETSU_65037EW.AT2 RSN4864_CHUETSU_65037UD.AT2
4873	Chuetsu-oki Kashiwazaki City Takayanagicho 2007	6.8	10	561.59	Reverse	3.5	2.26	RSN4873_CHUETSU_65056NS.AT2 RSN4873_CHUETSU_65056EW.AT2 RSN4873_CHUETSU_65056UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	2.87	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	3.72	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	2.29	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.87	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5813	Iwate Mizusawaku Interior O ganecho 2008	6.9	8	413.04	Reverse	11.8	3.48	RSN5813_IWATE_44B71NS.AT2 RSN5813_IWATE_44B71EW.AT2 RSN5813_IWATE_44B71UD.AT2
5818	Iwate Kurihara City 2008	6.9	13	512.26	Reverse	6.4	1.89	RSN5818_IWATE_48A61NS.AT2 RSN5818_IWATE_48A61EW.AT2 RSN5818_IWATE_48A61UD.AT2
8164	Duzce, Turkey IRIGM 487 1999	7.14	3	690	strike slip	999	3.83	RSN8164_DUZCE_487-NS.AT2 RSN8164_DUZCE_487-EW.AT2 RSN8164_DUZCE_487-UP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	3.36	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**15**

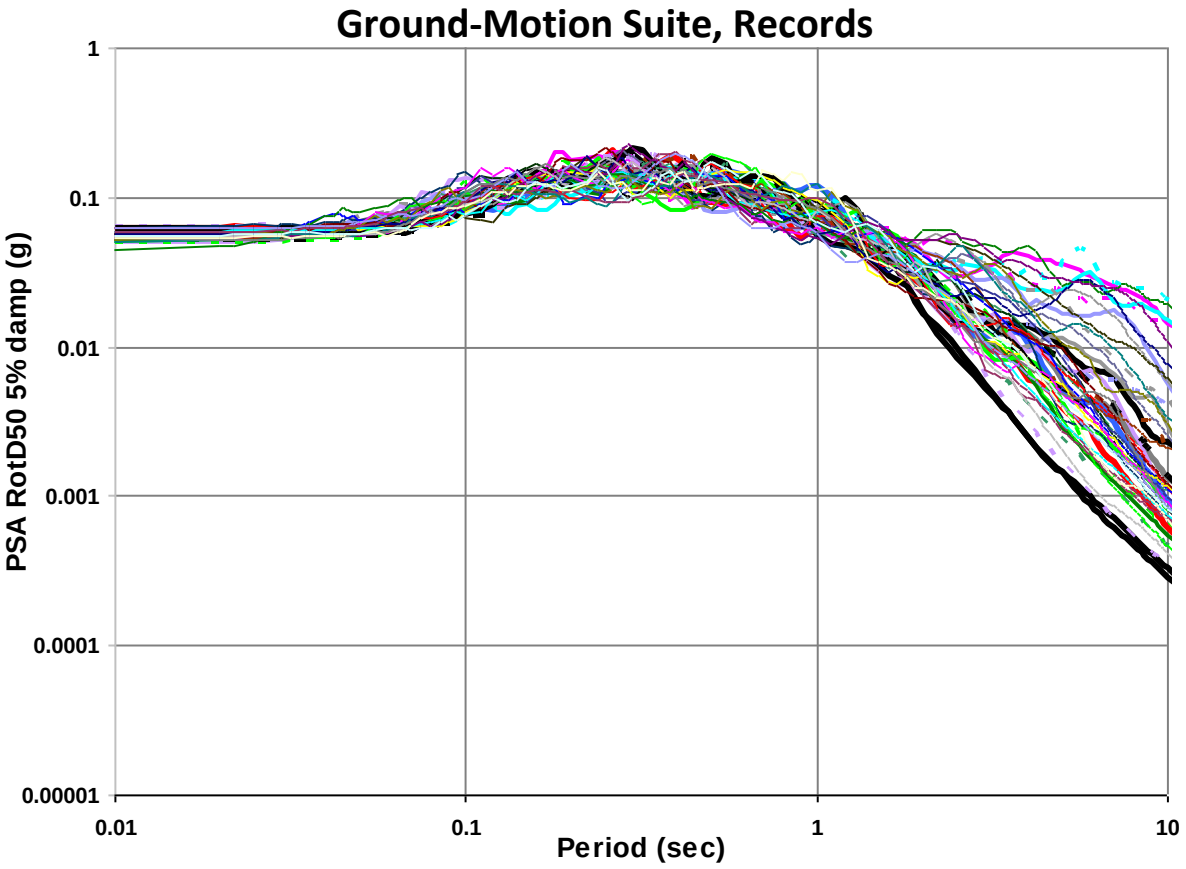
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
18	Imperial Valley-04 El Centro Array #9 1953	5.5	15	213.44	strike slip	10.9	1.39	RSN18_IMPVALL.BG_G-ELC000.AT2 RSN18_IMPVALL.BG_G-ELC090.AT2 RSN18_IMPVALL.BG_G-ELC-UP.AT2
21	Imperial Valley-05 El Centro Array #9 1955	5.4	14	213.44	strike slip	8	0.94	RSN21_IMPVALL.BG_E-ELC000.AT2 RSN21_IMPVALL.BG_E-ELC090.AT2 RSN21_IMPVALL.BG_E-ELC-UP.AT2
24	Central Calif-02 Hollister City Hall 1960	5	7	198.77	strike slip	11.5	1.12	RSN24_CTRCALIF_B-HCH181.AT2 RSN24_CTRCALIF_B-HCH271.AT2 RSN24_CTRCALIF_B-HCH-UP.AT2
26	Hollister-01 Hollister City Hall 1961	5.6	20	198.77	strike slip	9.3	0.43	RSN26_HOLLISTR_B-HCH181.AT2 RSN26_HOLLISTR_B-HCH271.AT2 RSN26_HOLLISTR_B-HCH-UP.AT2
97	Point Mugu Port Hueneme 1973	5.65	15	248.98	Reverse	4.7	0.44	RSN97_PTMUGU_PHN180.AT2 RSN97_PTMUGU_PHN270.AT2 RSN97_PTMUGU_PHN-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	0.37	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
136	Santa Barbara Santa Barbara Courthouse 1978	5.92	0	514.99	Reverse O	2.8	0.3	RSN136_SBARB_SBA132.AT2 RSN136_SBARB_SBA222.AT2 RSN136_SBARB_SBA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	0.28	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
192	Imperial Valley-06 Westmorland Fire Sta 1979	6.53	15	193.67	strike slip	13.3	0.48	RSN192_IMPVALL.H_H-WSM090.AT2 RSN192_IMPVALL.H_H-WSM180.AT2 RSN192_IMPVALL.H_H-WSM-UP.AT2
211	Livermore-01 Antioch - 510 G St 1980	5.8	13	304.68	strike slip	9.7	1.22	RSN211_LIVERMOR_A-ANT270.AT2 RSN211_LIVERMOR_A-ANT360.AT2 RSN211_LIVERMOR_A-ANT-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	0.84	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	0.66	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2

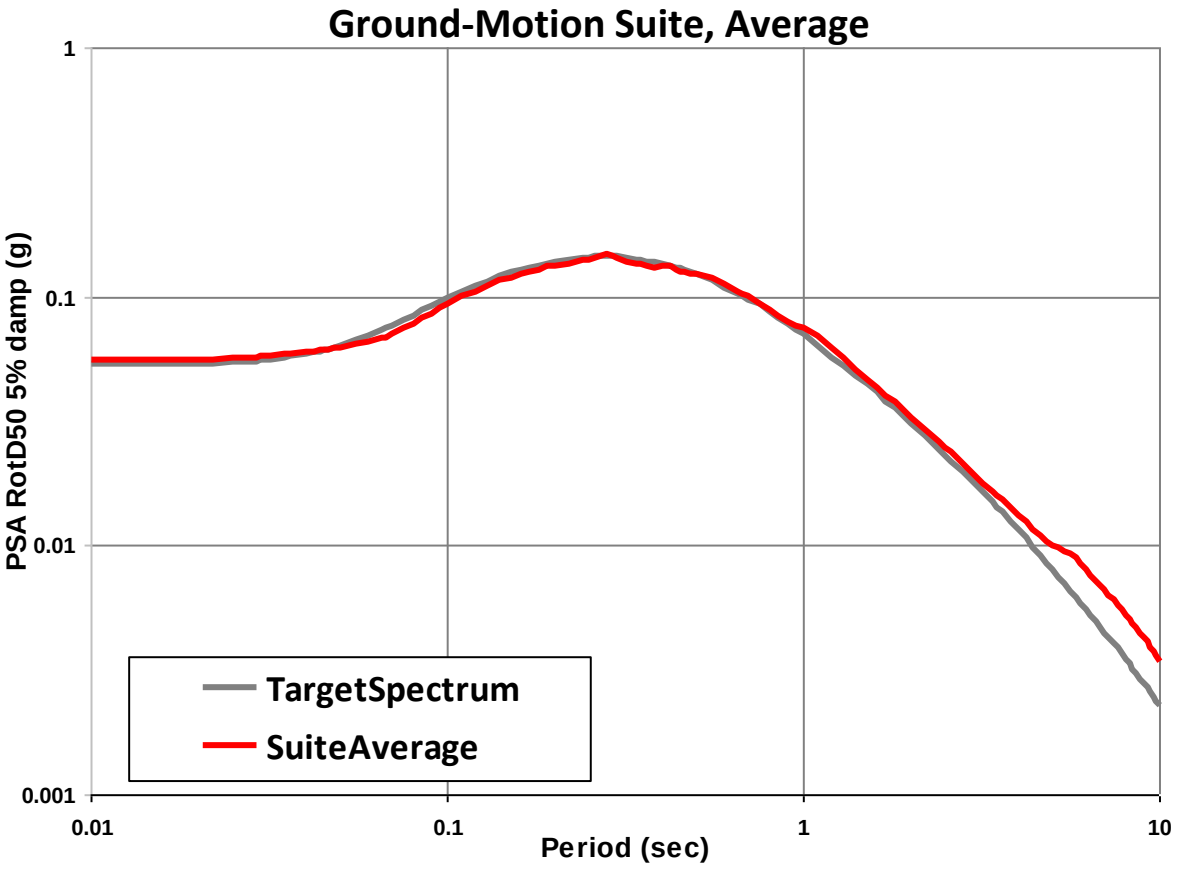
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
392	Coalinga-03 Coalinga-14th & Elm (Old CHP) 1983	5.38	12	286.41	Reverse	6.8	0.73	RSN392_COALINGA_B-CHP000.AT2 RSN392_COALINGA_B-CHP090.AT2 RSN392_COALINGA_B-CHP-UP.AT2
493	Drama, Greece Drama 1985	5.2	12	324.55	Normal O	2	0.64	RSN493_GREECE_F-DRA-NS.AT2 RSN493_GREECE_F-DRA-WE.AT2 RSN493_GREECE_F-DRA-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	0.39	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	0.29	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
554	Chalfant Valley-02 Long Valley Dam (L Abut) 1986	6.19	18	537.16	strike slip	6.4	0.5	RSN554_CHALFANT.A_A-LVL000.AT2 RSN554_CHALFANT.A_A-LVL090.AT2 RSN554_CHALFANT.A_A-LVL-UP.AT2
642	Whittier Narrows-01 LA - W 70th St 1987	5.99	17	241.41	Reverse O	3.5	0.25	RSN642_WHITTIER.A_A-W70000.AT2 RSN642_WHITTIER.A_A-W70270.AT2 RSN642_WHITTIER.A_A-W70-UP.AT2
674	Whittier Narrows-01 Pasadena - Brown Gym 1987	5.99	4	341.14	Reverse O	3.3	0.28	RSN674_WHITTIER.A_A-BRG180.AT2 RSN674_WHITTIER.A_A-BRG270.AT2 RSN674_WHITTIER.A_A-BRG-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	1.1	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2
947	Northridge-01 Arcadia - Arcadia Av 1994	6.69	39	330.5	Reverse	9	0.42	RSN947_NORTHR_ARC172.AT2 RSN947_NORTHR_ARC262.AT2 RSN947_NORTHR_ARC-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	0.46	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	0.3	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1083	Northridge-01 Sunland - Mt Gleason Ave 1994	6.69	12	402.16	Reverse	6	0.26	RSN1083_NORTHR_GLE170.AT2 RSN1083_NORTHR_GLE260.AT2 RSN1083_NORTHR_GLE-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	0.61	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
1099	Double Springs Woodfords 1994	5.9	12	392.97	strike slip	4.2	0.51	RSN1099_DOUBSPRG_WOO000.AT2 RSN1099_DOUBSPRG_WOO090.AT2 RSN1099_DOUBSPRG_WOO-UP.AT2
1486	Chi-Chi, Taiwan TCU046 1999	7.62	17	465.55	Reverse O	10.8	0.31	RSN1486_CHICHI_TCU046-E.AT2 RSN1486_CHICHI_TCU046-N.AT2 RSN1486_CHICHI_TCU046-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	0.27	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.32	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1756	San Juan Bautista Hollister - City Hall Annex 1998	5.17	12	272.8	strike slip	8	0.89	RSN1756_SANJUAN_CHA090.AT2 RSN1756_SANJUAN_CHA180.AT2 RSN1756_SANJUAN_CHA-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	0.53	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	1.53	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2699	Chi-Chi, Taiwan-04 CHY024 1999	6.2	20	427.73	strike slip	7.8	0.54	RSN2699_CHICHI.04_CHY024N.AT2 RSN2699_CHICHI.04_CHY024E.AT2 RSN2699_CHICHI.04_CHY024V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	0.36	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2739	Chi-Chi, Taiwan-04 CHY080 1999	6.2	12	496.21	strike slip	5.7	0.31	RSN2739_CHICHI.04_CHY080N.AT2 RSN2739_CHICHI.04_CHY080E.AT2 RSN2739_CHICHI.04_CHY080V.AT2
2937	Chi-Chi, Taiwan-05 CHY015 1999	6.2	78	228.66	Reverse	8.8	0.49	RSN2937_CHICHI.05_CHY015N.AT2 RSN2937_CHICHI.05_CHY015W.AT2 RSN2937_CHICHI.05_CHY015V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	0.81	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
2988	Chi-Chi, Taiwan-05 CHY100 1999	6.2	91	230.11	Reverse	11.5	0.76	RSN2988_CHICHI.05_CHY100N.AT2 RSN2988_CHICHI.05_CHY100W.AT2 RSN2988_CHICHI.05_CHY100V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	15							
3470	Chi-Chi, Taiwan-06 TCU072 1999	6.3	8	468.14	Reverse	5.6	0.48	RSN3470_CHICHI.06_TCU072N.AT2 RSN3470_CHICHI.06_TCU072E.AT2 RSN3470_CHICHI.06_TCU072V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.33	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
4285	Basso Tirreno, Italy Patti-Cabina Prima 1978	6	15	441.28	strike slip	3.4	0.35	RSN4285_BTIRRENO.P_PTT000.AT2 RSN4285_BTIRRENO.P_PTT090.AT2 RSN4285_BTIRRENO.P_PTT-UP.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	0.29	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4363	Umbria Marche (aftershock 1), Italy Bevagna 1997	5.5	17	401.34	Normal	10.1	0.96	RSN4363_UBMARCHE.P_E-BEV000.A RSN4363_UBMARCHE.P_E-BEV270.A RSN4363_UBMARCHE.P_E-BEV-DN.A
4440	Friuli (aftershock 13), Italy Buia 1976	5.9	-999	310.68	Reverse	4.6	0.46	RSN4440_FRIULI.P1_Z-BUI-NS.AT2 RSN4440_FRIULI.P1_Z-BUI-WE.AT2 RSN4440_FRIULI.P1_Z-BUI-VT.AT2
4460	L'Aquila, Italy Antrodoco 2009	6.3	19	525.95	Normal	8.9	1.76	RSN4460_L-AQUILA_DF006XTE.AT2 RSN4460_L-AQUILA_DF006YLN.AT2 RSN4460_L-AQUILA_DF006ZUP.AT2
4878	Chuetsu-oki Yahiko Village Yahagi 2007	6.8	20	223.12	Reverse	12.6	0.28	RSN4878_CHUETSU_65083NS.AT2 RSN4878_CHUETSU_65083EW.AT2 RSN4878_CHUETSU_65083UD.AT2
5857	El Mayor-Cucapah Niland Fire Station 2010	7.2	67	212	strike slip	24.7	0.41	RSN5857_SIERRA.MEX_NIL360.AT2 RSN5857_SIERRA.MEX_NIL090.AT2 RSN5857_SIERRA.MEX_NIL-UP.AT2
6930	Darfield, New Zealand LRSC 2010	7	9	295.74	strike slip	12.2	0.4	RSN6930_DARFIELD_LRSCN49W.AT2 RSN6930_DARFIELD_LRSCS41W.AT2 RSN6930_DARFIELD_LRSCUP.AT2
8658	40204628 San Jose; CHP Field Office Junction A 2007	5.45	13	266.31	strike slip	7.4	0.34	RSN8658_40204628_N1838HNN.AT2 RSN8658_40204628_N1838HNE.AT2 RSN8658_40204628_N1838HNZ.AT2
8805	14383980 Kerckhoff Marine Laboratory 2008	5.39	39	389.87	Reverse O	5.4	3.39	RSN8805_14383980_CIKMLHNN.AT2 RSN8805_14383980_CIKMLHNE.AT2 RSN8805_14383980_CIKMLHNZ.AT2
8833	14383980 Puddingstone Reservoir 2008	5.39	15	462.66	Reverse O	1.3	0.42	RSN8833_14383980_CIPSRHNN.AT2 RSN8833_14383980_CIPSRHNE.AT2 RSN8833_14383980_CIPSRHNZ.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**25**

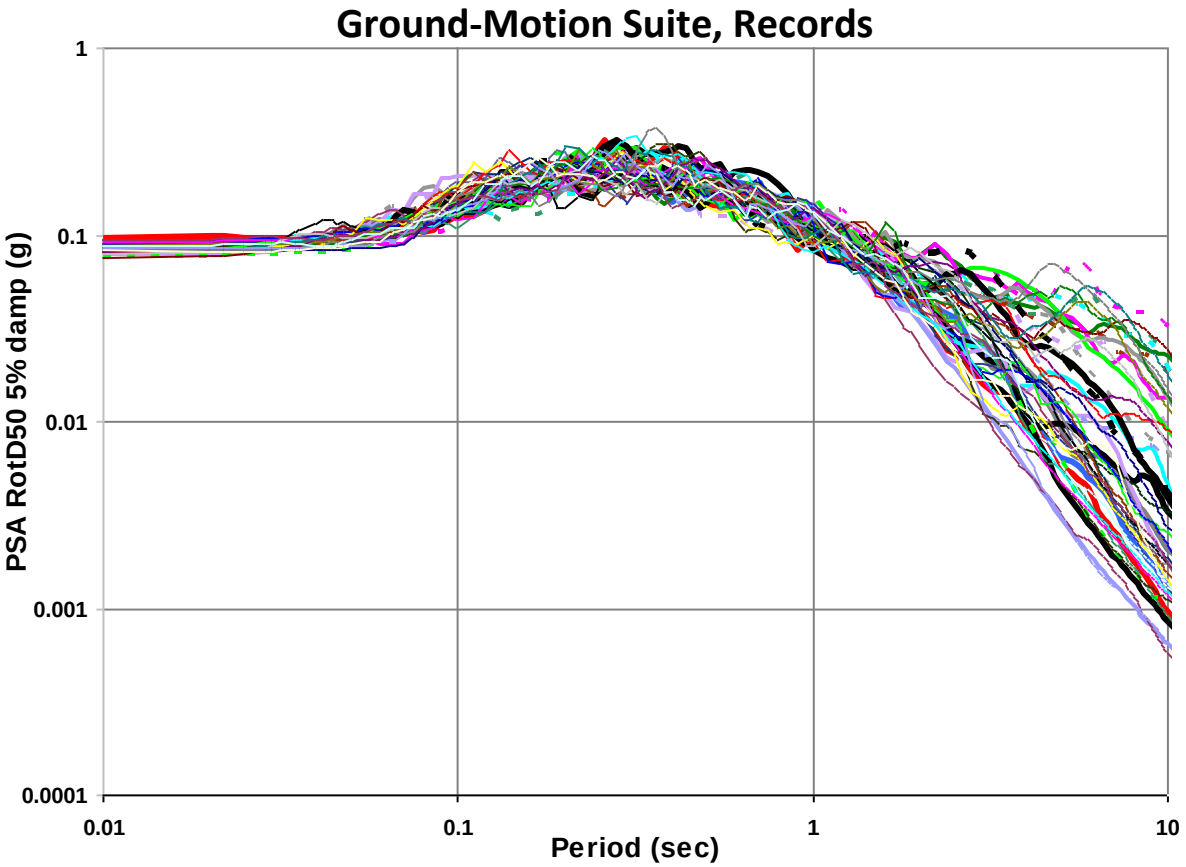
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	0.35	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
18	Imperial Valley-04 El Centro Array #9 1953	5.5	15	213.44	strike slip	10.9	1.97	RSN18_IMPVALL.BG_G-ELC000.AT2 RSN18_IMPVALL.BG_G-ELC090.AT2 RSN18_IMPVALL.BG_G-ELC-UP.AT2
24	Central Calif-02 Hollister City Hall 1960	5	7	198.77	strike slip	11.5	1.58	RSN24_CTRCALIF_B-HCH181.AT2 RSN24_CTRCALIF_B-HCH271.AT2 RSN24_CTRCALIF_B-HCH-UP.AT2
26	Hollister-01 Hollister City Hall 1961	5.6	20	198.77	strike slip	9.3	0.61	RSN26_HOLLISTR_B-HCH181.AT2 RSN26_HOLLISTR_B-HCH271.AT2 RSN26_HOLLISTR_B-HCH-UP.AT2
96	Managua, Nicaragua-02 Managua, ESSO 1972	5.2	4	288.77	strike slip	2.5	0.27	RSN96_MANAGUA_B-ESO090.AT2 RSN96_MANAGUA_B-ESO180.AT2 RSN96_MANAGUA_B-ESODWN.AT2
97	Point Mugu Port Hueneme 1973	5.65	15	248.98	Reverse	4.7	0.62	RSN97_PTMUGU_PHN180.AT2 RSN97_PTMUGU_PHN270.AT2 RSN97_PTMUGU_PHN-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	0.52	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
136	Santa Barbara Santa Barbara Courthouse 1978	5.92	0	514.99	Reverse O	2.8	0.43	RSN136_SBARB_SBA132.AT2 RSN136_SBARB_SBA222.AT2 RSN136_SBARB_SBA-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.29	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.29	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	0.39	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	1.19	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2

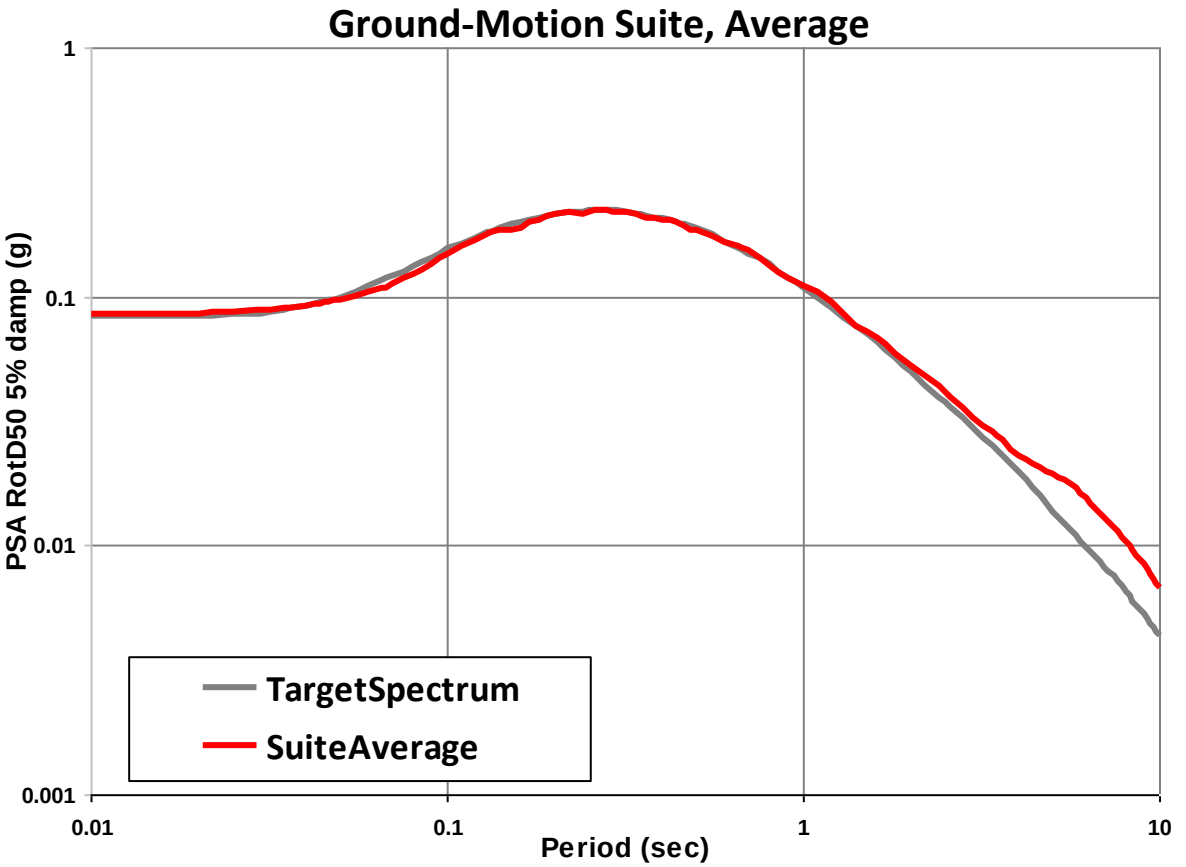
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	0.93	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	0.28	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
392	Coalinga-03 Coalinga-14th & Elm (Old CHP) 1983	5.38	12	286.41	Reverse	6.8	1.03	RSN392_COALINGA_B-CHP000.AT2 RSN392_COALINGA_B-CHP090.AT2 RSN392_COALINGA_B-CHP-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	0.55	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	0.41	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
549	Chalfant Valley-02 Bishop - LADWP South St 1986	6.19	14	303.47	strike slip	3.3	0.27	RSN549_CHALFANT.A_A-LAD180.AT2 RSN549_CHALFANT.A_A-LAD270.AT2 RSN549_CHALFANT.A_A-LAD-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	1.55	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	0.66	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2
978	Northridge-01 Hollywood - Willoughby Ave 1994	6.69	18	347.7	Reverse	6.1	0.27	RSN978_NORTHR_WIL090.AT2 RSN978_NORTHR_WIL180.AT2 RSN978_NORTHR_WIL-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	0.31	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	0.43	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.26	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1083	Northridge-01 Sunland - Mt Gleason Ave 1994	6.69	12	402.16	Reverse	6	0.36	RSN1083_NORTHR_GLE170.AT2 RSN1083_NORTHR_GLE260.AT2 RSN1083_NORTHR_GLE-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	0.86	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1099	Double Springs Woodfords 1994	5.9	12	392.97	strike slip	4.2	0.71	RSN1099_DOUBSPRG_WOO000.AT2 RSN1099_DOUBSPRG_WOO090.AT2 RSN1099_DOUBSPRG_WOO-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.29	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1486	Chi-Chi, Taiwan TCU046 1999	7.62	17	465.55	Reverse O	10.8	0.44	RSN1486_CHICHI_TCU046-E.AT2 RSN1486_CHICHI_TCU046-N.AT2 RSN1486_CHICHI_TCU046-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	0.27	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	0.3	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	0.38	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1681	Northridge-04 Moorpark - Fire Sta 1994	5.93	14	341.58	Reverse O	3.2	0.45	RSN1681_NORTH142_MRP090.AT2 RSN1681_NORTH142_MRP180.AT2 RSN1681_NORTH142_MRP-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	0.74	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.3	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2699	Chi-Chi, Taiwan-04 CHY024 1999	6.2	20	427.73	strike slip	7.8	0.76	RSN2699_CHICHI.04_CHY024N.AT2 RSN2699_CHICHI.04_CHY024E.AT2 RSN2699_CHICHI.04_CHY024V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	1.14	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
2988	Chi-Chi, Taiwan-05 CHY100 1999	6.2	91	230.11	Reverse	11.5	1.07	RSN2988_CHICHI.05_CHY100N.AT2 RSN2988_CHICHI.05_CHY100W.AT2 RSN2988_CHICHI.05_CHY100V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	25							
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	1.94	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3470	Chi-Chi, Taiwan-06 TCU072 1999	6.3	8	468.14	Reverse	5.6	0.68	RSN3470_CHICHI.06_TCU072N.AT2 RSN3470_CHICHI.06_TCU072E.AT2 RSN3470_CHICHI.06_TCU072V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.27	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4348	Umbria Marche, Italy Castelnuovo-Assisi 1997	6	17	293	Normal	8.4	0.41	RSN4348_UBMARCHE.P_A-CSA000.A RSN4348_UBMARCHE.P_A-CSA270.A RSN4348_UBMARCHE.P_A-CSA-DN.A
4363	Umbria Marche (aftershock 1), Italy Bevagna 1997	5.5	17	401.34	Normal	10.1	1.35	RSN4363_UBMARCHE.P_E-BEV000.A RSN4363_UBMARCHE.P_E-BEV270.A RSN4363_UBMARCHE.P_E-BEV-DN.A
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	0.25	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4878	Chuetsu-oki Yahiko Village Yahagi 2007	6.8	20	223.12	Reverse	12.6	0.4	RSN4878_CHUETSU_65083NS.AT2 RSN4878_CHUETSU_65083EW.AT2 RSN4878_CHUETSU_65083UD.AT2
5831	El Mayor-Cucapah EJIDO SALTILLO 2010	7.2	15	242.05	strike slip	33.3	0.3	RSN5831_SIERRA.MEX_SAL000.AT2 RSN5831_SIERRA.MEX_SAL090.AT2 RSN5831_SIERRA.MEX_SAL--V.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.3	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6930	Darfield, New Zealand LRSC 2010	7	9	295.74	strike slip	12.2	0.56	RSN6930_DARFIELD_LRSCN49W.AT2 RSN6930_DARFIELD_LRSCS41W.AT2 RSN6930_DARFIELD_LRSCUP.AT2
6960	Darfield, New Zealand Riccarton High School 2010	7	14	293	strike slip	9.5	0.26	RSN6960_DARFIELD_RHSCN86W.AT2 RSN6960_DARFIELD_RHSCS04W.AT2 RSN6960_DARFIELD_RHSCUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	0.32	RSN8134_CCHURCH_SMTCN88W.AT RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**50**

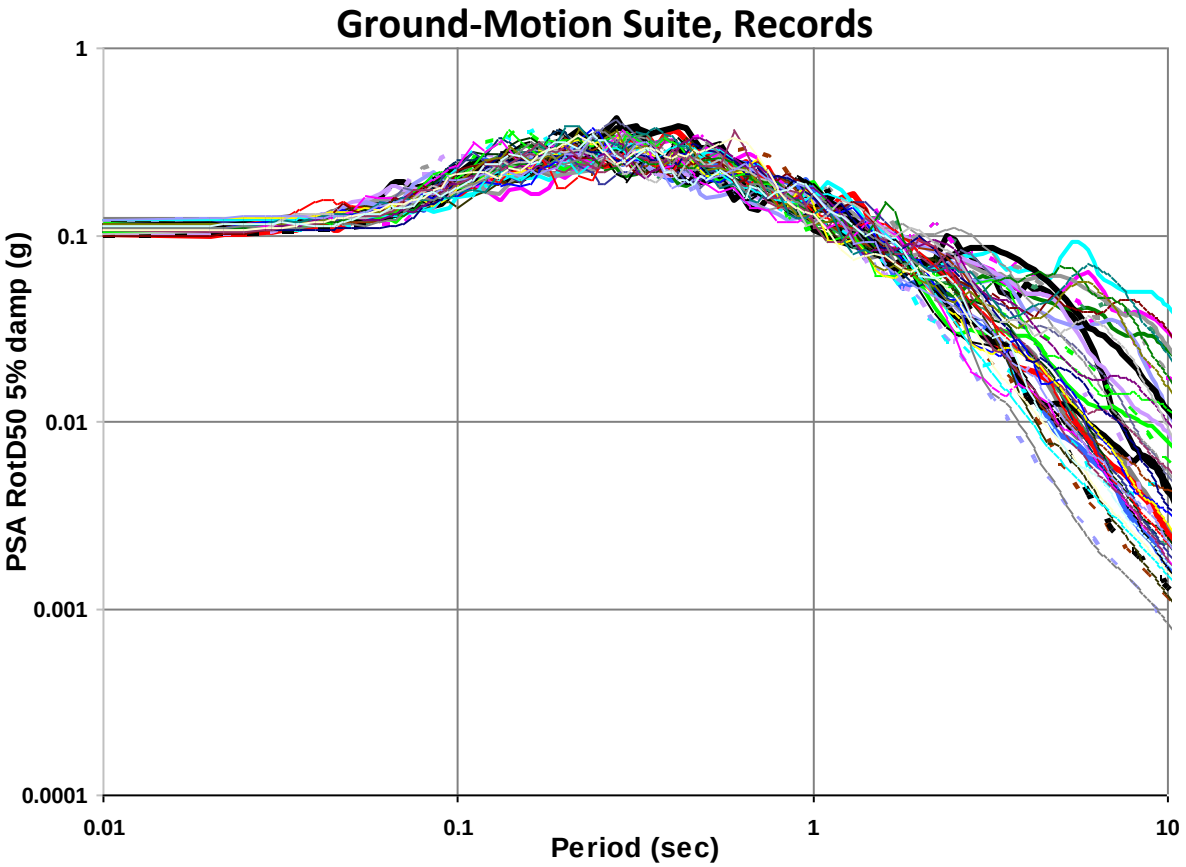
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	0.35	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	0.54	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	0.81	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.44	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.46	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	0.61	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.35	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	1.85	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	0.29	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.36	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
392	Coalinga-03 Coalinga-14th & Elm (Old CHP) 1983	5.38	12	286.41	Reverse	6.8	1.6	RSN392_COALINGA_B-CHP000.AT2 RSN392_COALINGA_B-CHP090.AT2 RSN392_COALINGA_B-CHP-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	0.85	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

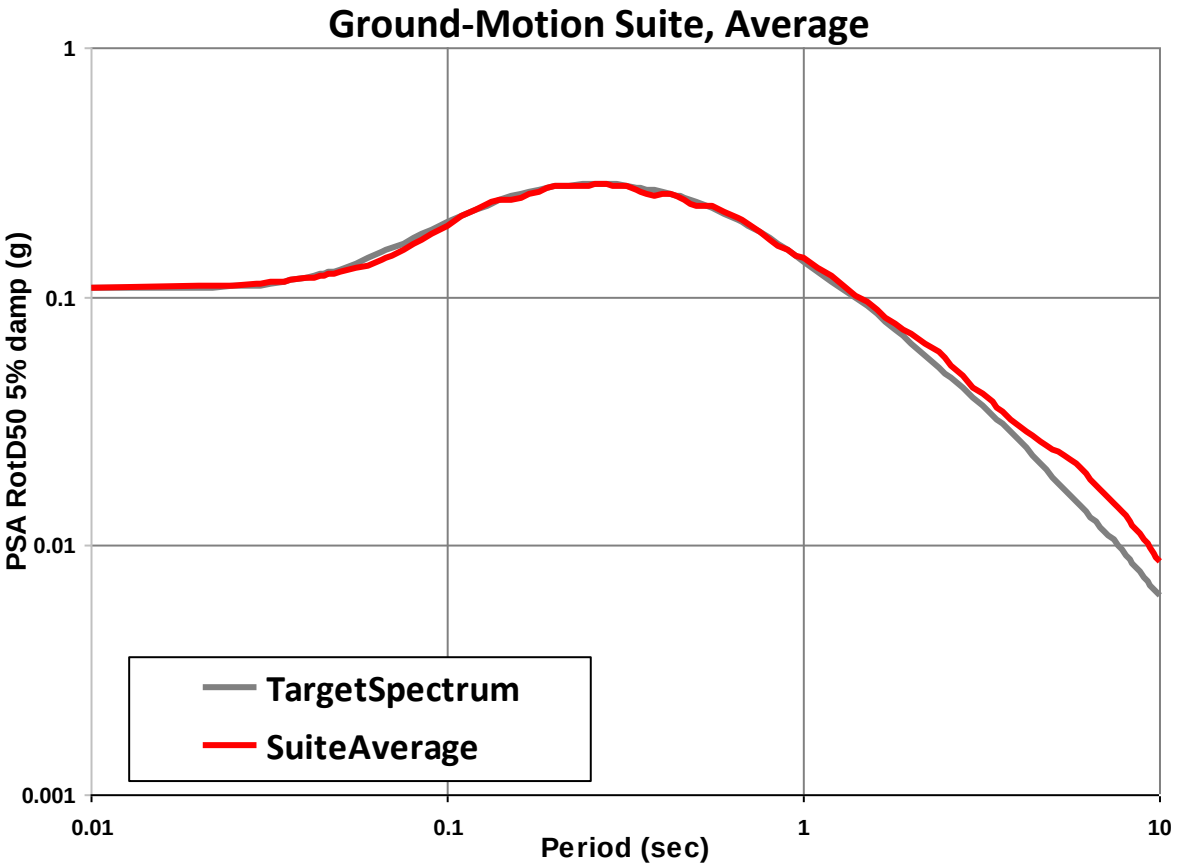
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	0.63	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
564	Kalamata, Greece-01 Kalamata (bsmt) 1986	6.2	6	382.21	Normal	1.7	0.34	RSN564_GREECE_H-KAL-NS.AT2 RSN564_GREECE_H-KAL-WE.AT2 RSN564_GREECE_H-KAL-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	0.3	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	2.4	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.29	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	1.02	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.37	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	0.67	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1039	Northridge-01 Moorpark - Fire Sta 1994	6.69	17	341.58	Reverse	7.5	0.4	RSN1039_NORTHR_MRP090.AT2 RSN1039_NORTHR_MRP180.AT2 RSN1039_NORTHR_MRP-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.26	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.45	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.33	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	0.42	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	0.46	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	0.37	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	0.59	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.36	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	0.36	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.32	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	1.16	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.47	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2937	Chi-Chi, Taiwan-05 CHY015 1999	6.2	78	228.66	Reverse	8.8	1.08	RSN2937_CHICHI.05_CHY015N.AT2 RSN2937_CHICHI.05_CHY015W.AT2 RSN2937_CHICHI.05_CHY015V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	1.78	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
2988	Chi-Chi, Taiwan-05 CHY100 1999	6.2	91	230.11	Reverse	11.5	1.66	RSN2988_CHICHI.05_CHY100N.AT2 RSN2988_CHICHI.05_CHY100W.AT2 RSN2988_CHICHI.05_CHY100V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	3.01	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2
3470	Chi-Chi, Taiwan-06 TCU072 1999	6.3	8	468.14	Reverse	5.6	1.05	RSN3470_CHICHI.06_TCU072N.AT2 RSN3470_CHICHI.06_TCU072E.AT2 RSN3470_CHICHI.06_TCU072V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	50							
4074	Parkfield-02, CA PARKFIELD - VINEYARD CANYON 2004	6	4	340.45	strike slip	4	0.37	RSN4074_PARK2004_VINEY-90.AT2 RSN4074_PARK2004_VINEY360.AT2 RSN4074_PARK2004_VINEY-UP.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.42	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	0.39	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.33	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.29	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.26	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.36	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.3	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.47	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	0.34	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.34	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	0.3	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**75**

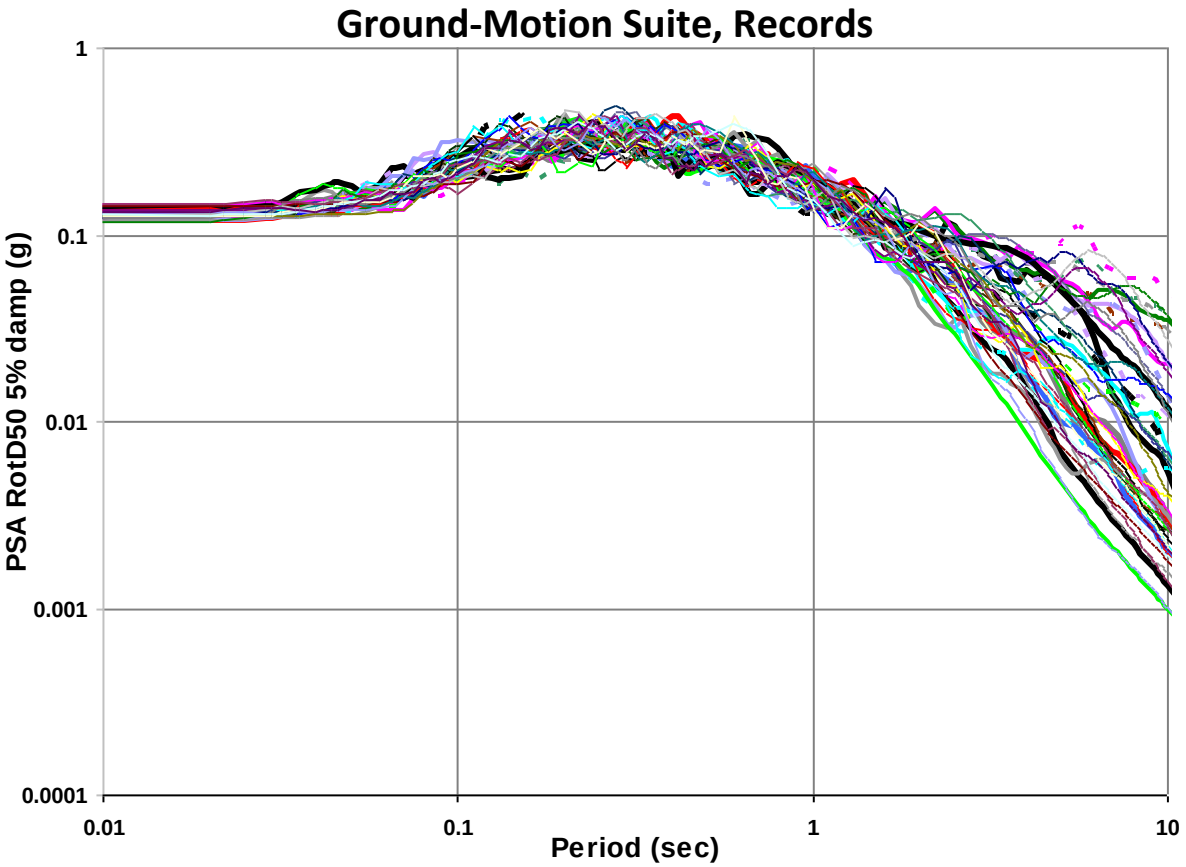
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	0.45	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	1.04	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.57	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.59	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	0.79	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.25	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.46	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	2.39	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	0.37	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.47	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
392	Coalinga-03 Coalinga-14th & Elm (Old CHP) 1983	5.38	12	286.41	Reverse	6.8	2.06	RSN392_COALINGA_B-CHP000.AT2 RSN392_COALINGA_B-CHP090.AT2 RSN392_COALINGA_B-CHP-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.09	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2

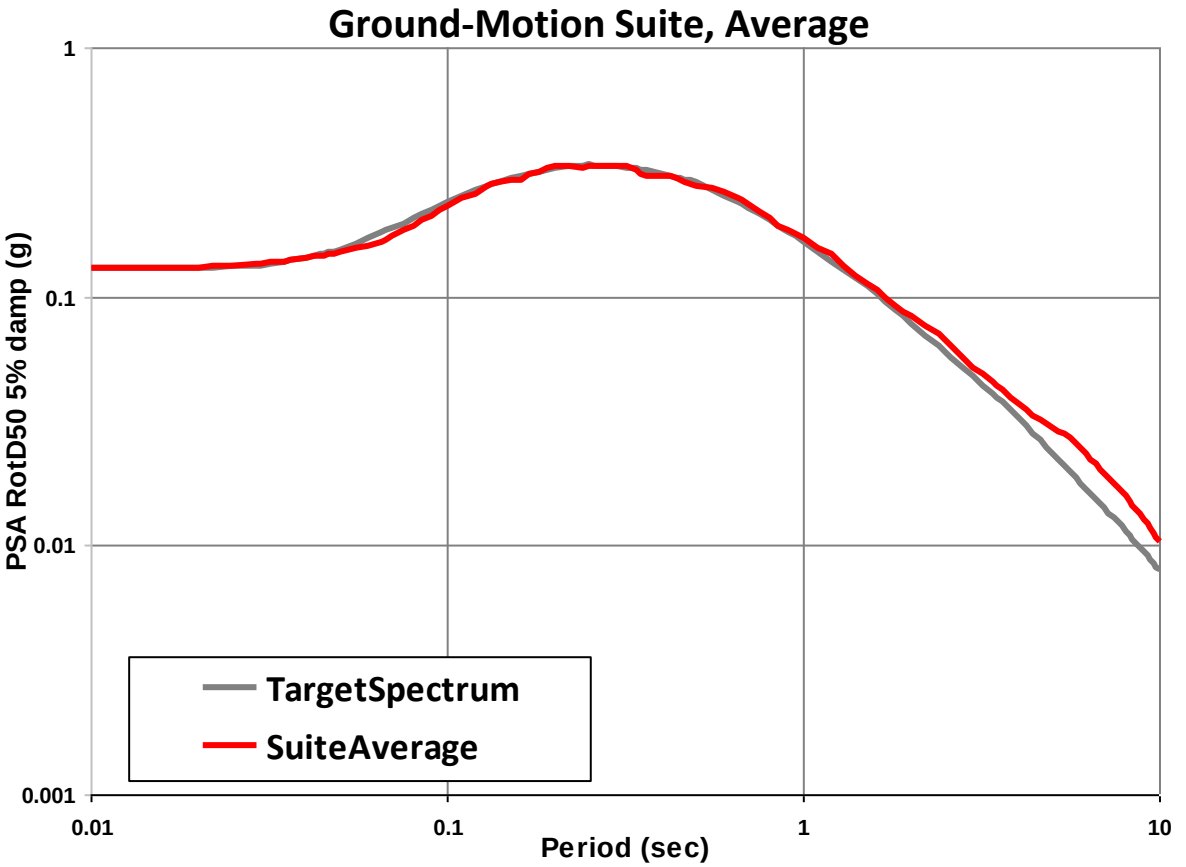
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	0.82	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	0.39	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	3.09	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.37	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.29	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.26	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.48	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	0.86	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.33	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.72	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1184	Chi-Chi, Taiwan CHY010 1999	7.62	20	538.69	Reverse O	6.1	0.58	RSN1184_CHICHI_CHY010-N.AT2 RSN1184_CHICHI_CHY010-W.AT2 RSN1184_CHICHI_CHY010-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.43	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	0.54	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	0.59	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	0.47	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	0.76	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.27	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.47	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	0.47	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.41	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	1.49	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.6	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2937	Chi-Chi, Taiwan-05 CHY015 1999	6.2	78	228.66	Reverse	8.8	1.39	RSN2937_CHICHI.05_CHY015N.AT2 RSN2937_CHICHI.05_CHY015W.AT2 RSN2937_CHICHI.05_CHY015V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	2.29	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
2988	Chi-Chi, Taiwan-05 CHY100 1999	6.2	91	230.11	Reverse	11.5	2.14	RSN2988_CHICHI.05_CHY100N.AT2 RSN2988_CHICHI.05_CHY100W.AT2 RSN2988_CHICHI.05_CHY100V.AT2
3453	Chi-Chi, Taiwan-06 TCU044 1999	6.3	47	512.88	Reverse	12.5	3.88	RSN3453_CHICHI.06_TCU044N.AT2 RSN3453_CHICHI.06_TCU044E.AT2 RSN3453_CHICHI.06_TCU044V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	75							
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	1.34	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.54	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	0.5	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.42	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.38	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.33	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.46	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.39	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.61	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	0.44	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.44	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**100**

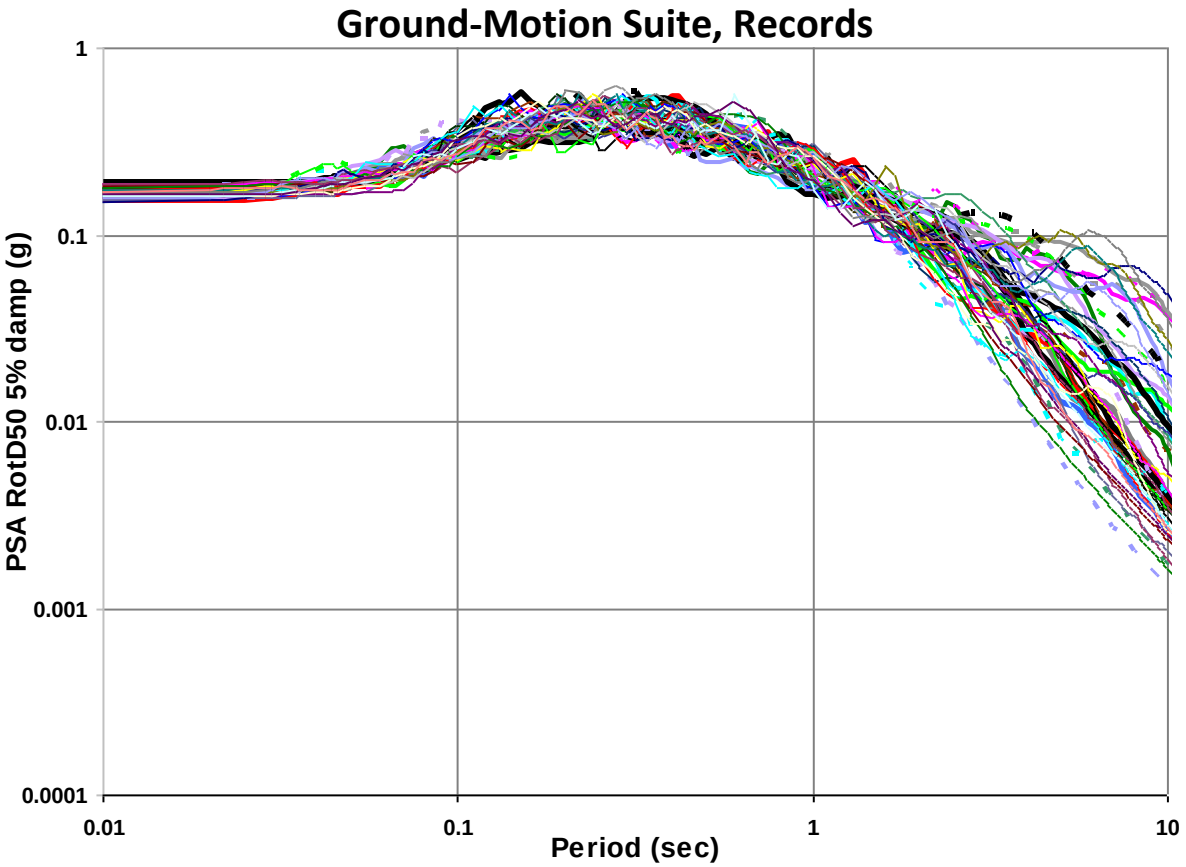
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	0.54	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	0.84	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	1.24	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.68	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.7	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	0.94	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.36	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.3	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.55	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	2.85	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	0.44	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.56	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2

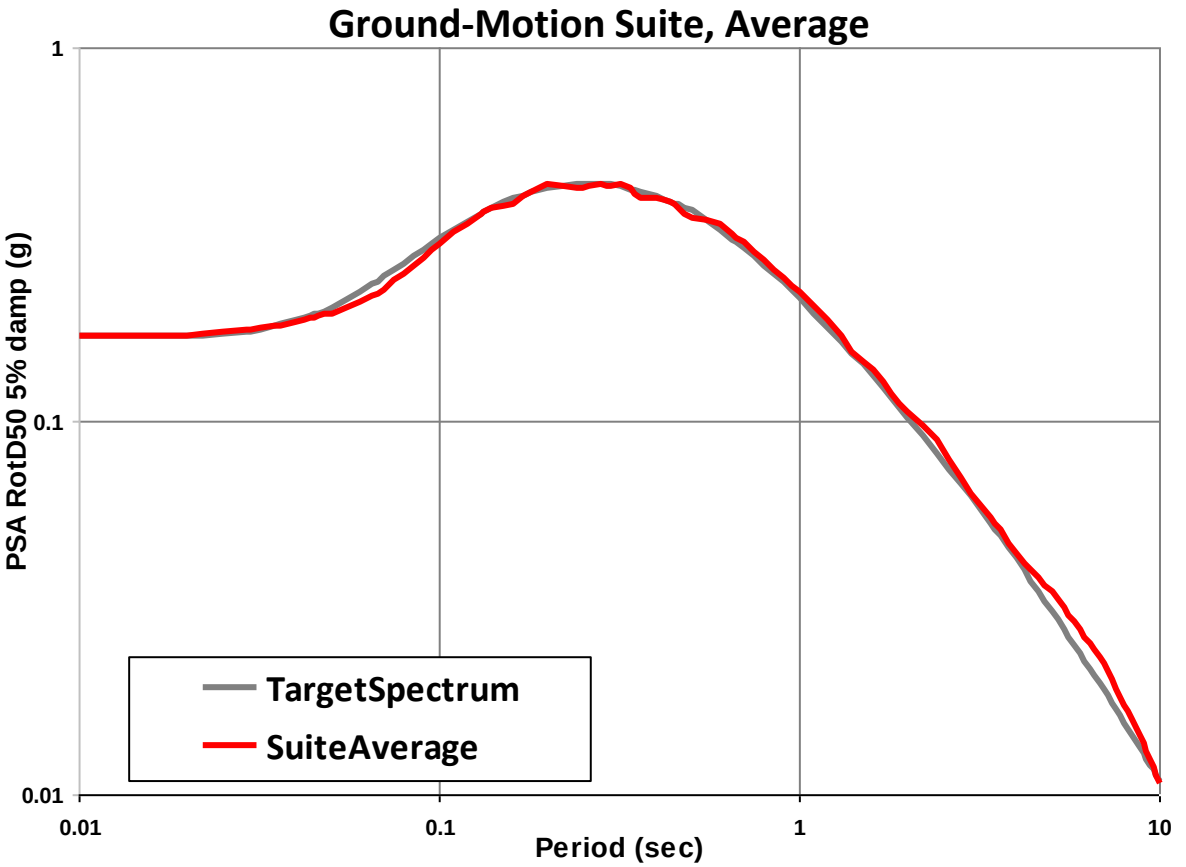
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
392	Coalinga-03 Coalinga-14th & Elm (Old CHP) 1983	5.38	12	286.41	Reverse	6.8	2.46	RSN392_COALINGA_B-CHP000.AT2 RSN392_COALINGA_B-CHP090.AT2 RSN392_COALINGA_B-CHP-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.31	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	0.98	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	0.47	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
905	Big Bear-01 Featherly Park - Maint 1992	6.46	79	367.54	strike slip	9.6	3.7	RSN905_BIGBEAR_FEA090.AT2 RSN905_BIGBEAR_FEA360.AT2 RSN905_BIGBEAR_FEA-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.44	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.34	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.31	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.57	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.03	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.39	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	0.87	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.51	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	0.65	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	0.71	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	0.57	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	0.91	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1512	Chi-Chi, Taiwan TCU078 1999	7.62	0	443.04	Reverse O	17.8	0.33	RSN1512_CHICHI_TCU078-E.AT2 RSN1512_CHICHI_TCU078-N.AT2 RSN1512_CHICHI_TCU078-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.26	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.56	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	0.56	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.49	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	1.78	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.72	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2937	Chi-Chi, Taiwan-05 CHY015 1999	6.2	78	228.66	Reverse	8.8	1.66	RSN2937_CHICHI.05_CHY015N.AT2 RSN2937_CHICHI.05_CHY015W.AT2 RSN2937_CHICHI.05_CHY015V.AT2
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	2.74	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	100							
2988	Chi-Chi, Taiwan-05 CHY100 1999	6.2	91	230.11	Reverse	11.5	2.56	RSN2988_CHICHI.05_CHY100N.AT2 RSN2988_CHICHI.05_CHY100W.AT2 RSN2988_CHICHI.05_CHY100V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	1.6	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.65	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	0.6	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.5	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.45	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.4	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.55	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.47	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.73	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	0.53	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.53	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**150**

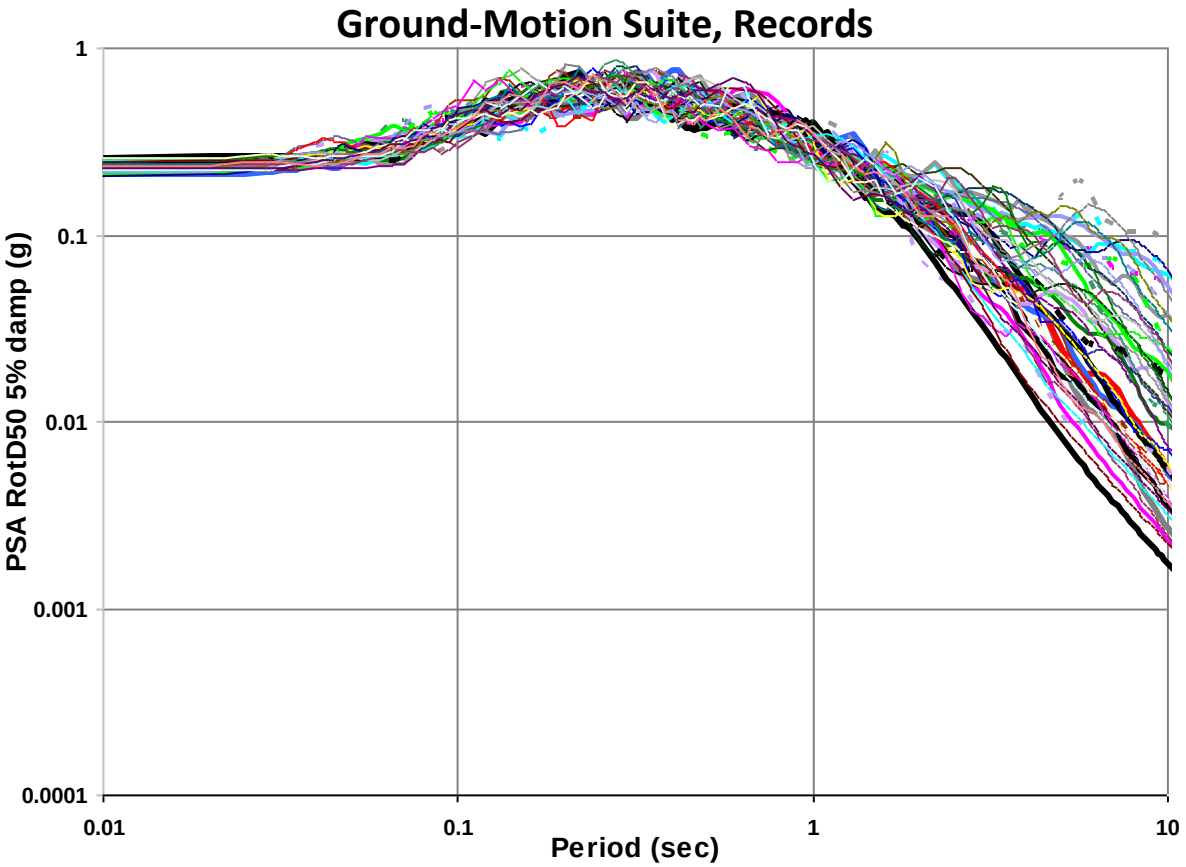
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	0.7	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.08	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	1.6	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	0.88	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
164	Imperial Valley-06 Cerro Prieto 1979	6.53	15	471.53	strike slip	18.1	0.9	RSN164_IMPVALL.H_H-CPE147.AT2 RSN164_IMPVALL.H_H-CPE237.AT2 RSN164_IMPVALL.H_H-CPEDWN.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.21	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.46	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.39	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.7	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
215	Livermore-01 San Ramon Fire Station 1980	5.8	16	384.47	strike slip	13.4	3.67	RSN215_LIVERMOR_A-SRM070.AT2 RSN215_LIVERMOR_A-SRM340.AT2 RSN215_LIVERMOR_A-SRM-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	0.57	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.72	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2

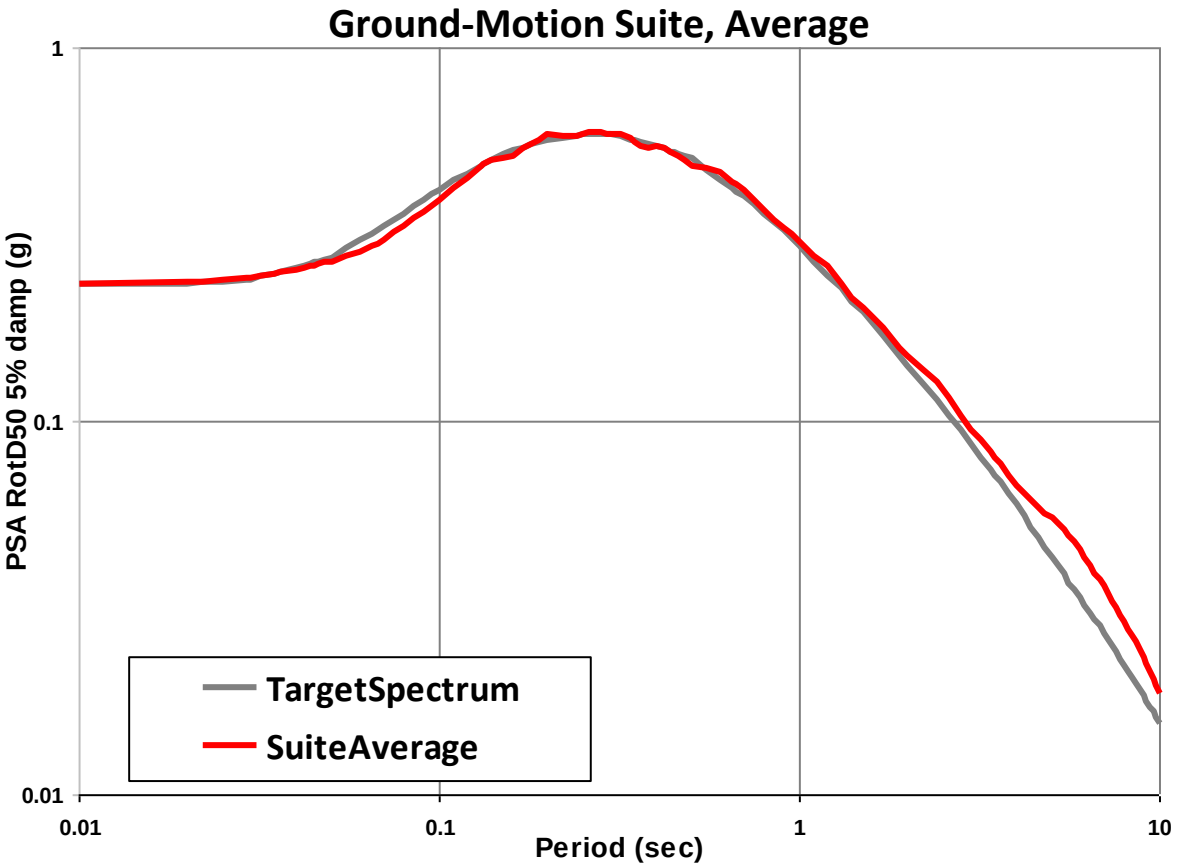
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
392	Coalinga-03 Coalinga-14th & Elm (Old CHP) 1983	5.38	12	286.41	Reverse	6.8	3.17	RSN392_COALINGA_B-CHP000.AT2 RSN392_COALINGA_B-CHP090.AT2 RSN392_COALINGA_B-CHP-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	1.68	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.26	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.31	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	0.6	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.57	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
951	Northridge-01 Bell Gardens - Jaboneria 1994	6.69	41	267.13	Reverse	9.6	2.02	RSN951_NORTHR_JAB220.AT2 RSN951_NORTHR_JAB310.AT2 RSN951_NORTHR_JAB-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.44	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.4	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	0.73	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.33	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.51	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.28	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.26	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	2.65	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.12	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.66	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	0.83	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.34	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.72	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	0.72	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.64	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	2.29	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	0.93	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	1.55	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
2937	Chi-Chi, Taiwan-05 CHY015 1999	6.2	78	228.66	Reverse	8.8	2.14	RSN2937_CHICHI.05_CHY015N.AT2 RSN2937_CHICHI.05_CHY015W.AT2 RSN2937_CHICHI.05_CHY015V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	150							
2962	Chi-Chi, Taiwan-05 CHY058 1999	6.2	97	269.28	Reverse	8.9	3.52	RSN2962_CHICHI.05_CHY058N.AT2 RSN2962_CHICHI.05_CHY058E.AT2 RSN2962_CHICHI.05_CHY058V.AT2
2988	Chi-Chi, Taiwan-05 CHY100 1999	6.2	91	230.11	Reverse	11.5	3.3	RSN2988_CHICHI.05_CHY100N.AT2 RSN2988_CHICHI.05_CHY100W.AT2 RSN2988_CHICHI.05_CHY100V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	2.06	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	0.84	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	0.78	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.64	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.58	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.51	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.71	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.6	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	0.94	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	0.68	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.68	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**250**

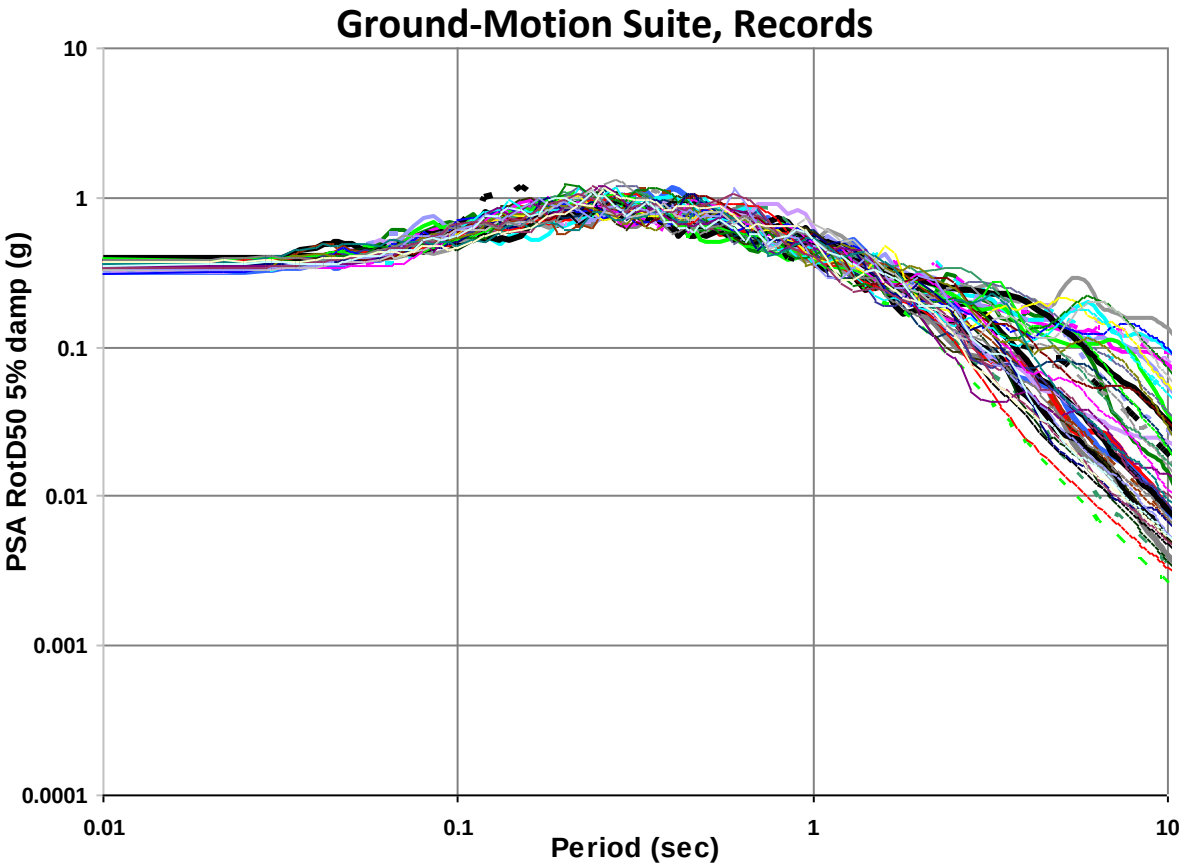
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	0.96	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	1.47	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	2.19	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.21	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	1.66	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.63	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.54	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	0.96	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	0.78	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	0.99	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
499	Hollister-04 Hollister Differential Array #3 1986	5.45	13	215.54	strike slip	8.1	2.3	RSN499_HOLLISTR_D-HD3255.AT2 RSN499_HOLLISTR_D-HD3345.AT2 RSN499_HOLLISTR_D-HD3-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	1.72	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2

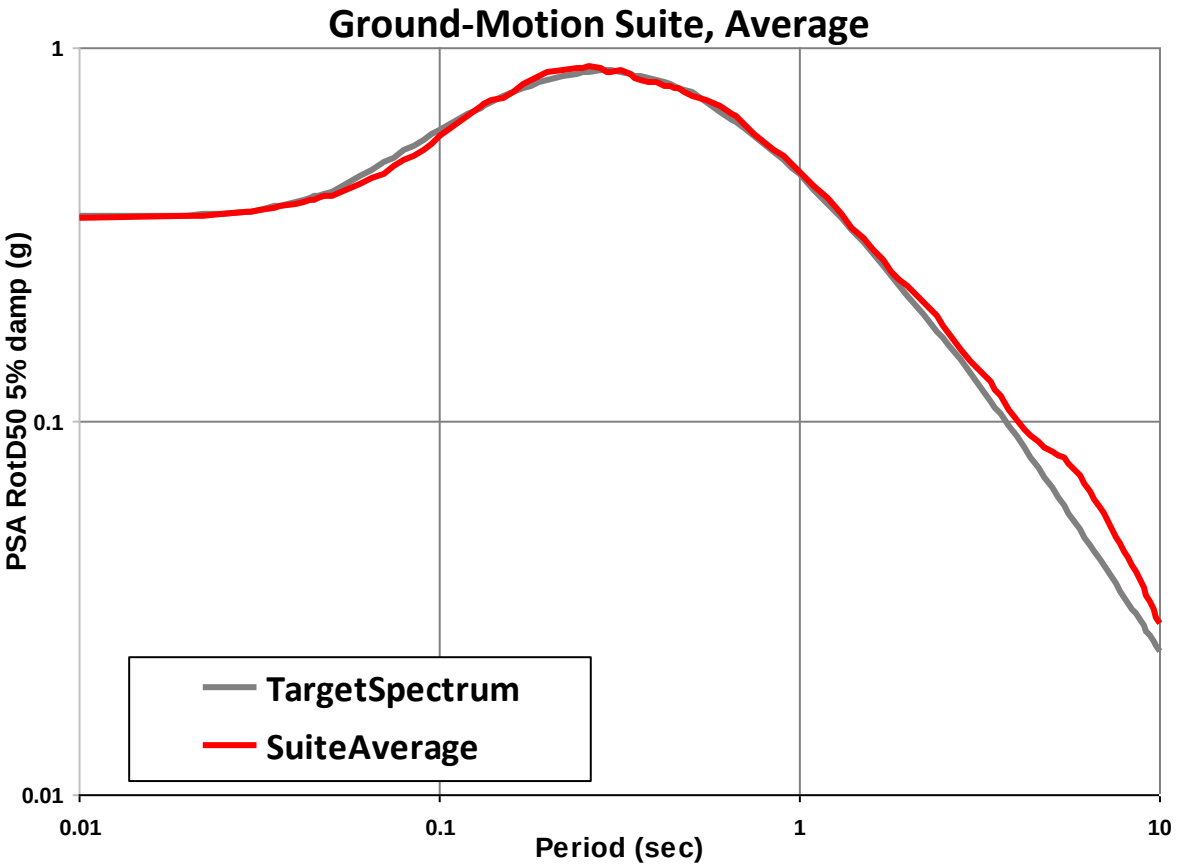
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.43	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	0.82	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
746	Loma Prieta Bear Valley #5, Callens Ranch 1989	6.93	53	391.01	Reverse O	10.9	3.41	RSN746_LOMAP_BVC220.AT2 RSN746_LOMAP_BVC310.AT2 RSN746_LOMAP_BVC-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	0.77	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.6	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.55	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	1.81	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	1.82	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	0.7	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.38	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.36	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1094	Northridge-01 West Covina - S Orange Ave 1994	6.69	51	334.69	Reverse	10.5	3.64	RSN1094_NORTHR_SOR225.AT2 RSN1094_NORTHR_SOR315.AT2 RSN1094_NORTHR_SOR-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	1.53	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	0.9	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.14	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	1.25	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	1	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	1.6	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1513	Chi-Chi, Taiwan TCU079 1999	7.62	0	363.99	Reverse O	19.2	0.47	RSN1513_CHICHI_TCU079-E.AT2 RSN1513_CHICHI_TCU079-N.AT2 RSN1513_CHICHI_TCU079-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	0.99	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	0.99	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	0.87	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
1776	Hector Mine Desert Hot Springs 1999	7.13	56	359	strike slip	12.8	3.14	RSN1776_HECTOR_DSP090.AT2 RSN1776_HECTOR_DSP360.AT2 RSN1776_HECTOR_DSP-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.28	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	2.12	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	250							
2937	Chi-Chi, Taiwan-05 CHY015 1999	6.2	78	228.66	Reverse	8.8	2.93	RSN2937_CHICHI.05_CHY015N.AT2 RSN2937_CHICHI.05_CHY015W.AT2 RSN2937_CHICHI.05_CHY015V.AT2
3495	Chi-Chi, Taiwan-06 TCU109 1999	6.3	37	535.13	Reverse	16.6	2.83	RSN3495_CHICHI.06_TCU109N.AT2 RSN3495_CHICHI.06_TCU109E.AT2 RSN3495_CHICHI.06_TCU109V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.15	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.06	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4798	Wenchuan, China Anxiantashui 2008	7.9	0	376.1	Reverse O	27.3	0.88	RSN4798_WENCHUAN_UA1081.AT2 RSN4798_WENCHUAN_UA1082.AT2 RSN4798_WENCHUAN_UA1083.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	0.8	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	0.7	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	2	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	0.97	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	0.83	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.28	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	0.93	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	0.93	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**500**

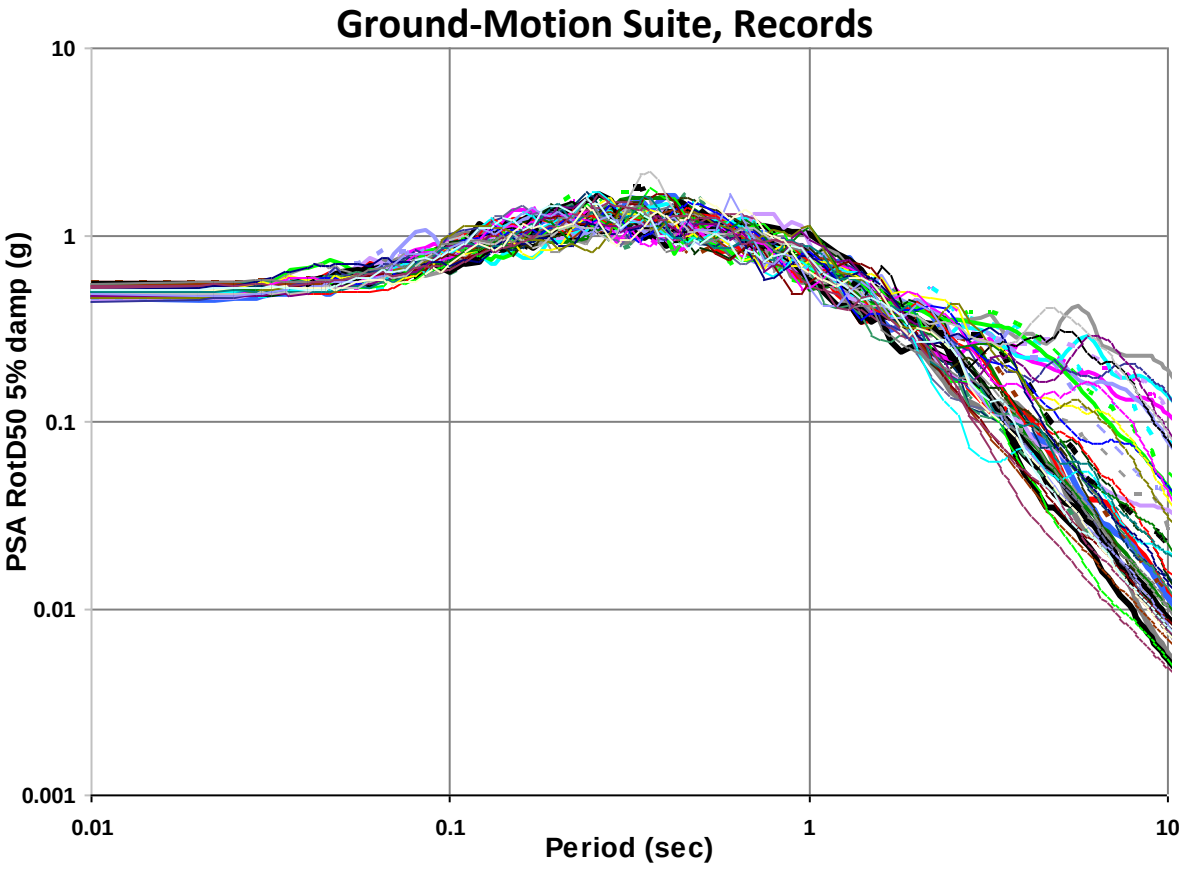
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	1.44	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	2.21	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
130	Friuli, Italy-02 Buia 1976	5.91	11	310.68	Reverse	4.5	3.28	RSN130_FRIULI.B_B-BUI000.AT2 RSN130_FRIULI.B_B-BUI270.AT2 RSN130_FRIULI.B_B-BUI-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	1.81	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
175	Imperial Valley-06 El Centro Array #12 1979	6.53	18	196.88	strike slip	9.7	2.5	RSN175_IMPVALL.H_H-E12140.AT2 RSN175_IMPVALL.H_H-E12230.AT2 RSN175_IMPVALL.H_H-E12-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	0.94	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
184	Imperial Valley-06 El Centro Differential Array 1979	6.53	5	202.26	strike slip	3.3	0.81	RSN184_IMPVALL.H_H-EDA270.AT2 RSN184_IMPVALL.H_H-EDA360.AT2 RSN184_IMPVALL.H_H-EDA-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	1.44	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
292	Irpinia, Italy-01 Sturno (STN) 1980	6.9	7	382	Normal	6.5	1.17	RSN292_ITALY_A-STU000.AT2 RSN292_ITALY_A-STU270.AT2 RSN292_ITALY_A-STU-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	1.48	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	2.58	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.64	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2

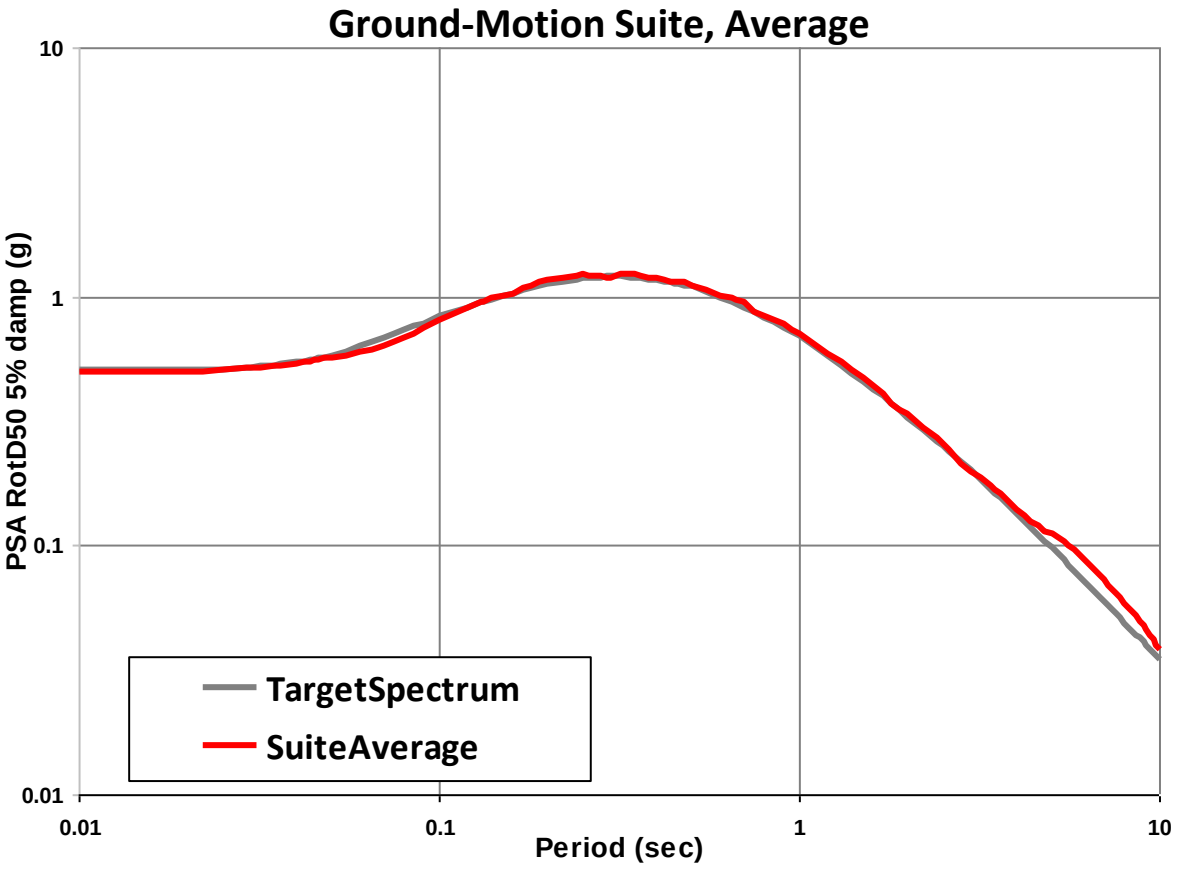
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.24	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
733	Loma Prieta APEEL 2E Hayward Muir Sch 1989	6.93	53	271.06	Reverse O	7.2	2.19	RSN733_LOMAP_A2E000.AT2 RSN733_LOMAP_A2E090.AT2 RSN733_LOMAP_A2E-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.16	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	0.91	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
960	Northridge-01 Canyon Country - W Lost Cany 1994	6.69	11	325.6	Reverse	3.1	0.83	RSN960_NORTHR_LOS000.AT2 RSN960_NORTHR_LOS270.AT2 RSN960_NORTHR_LOS-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	0.72	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	1.5	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	2.72	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	2.73	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.04	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.57	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.54	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1115	Kobe, Japan Sakai 1995	6.9	28	256	strike slip	11.6	2.3	RSN1115_KOBE_SKI000.AT2 RSN1115_KOBE_SKI090.AT2 RSN1115_KOBE_SKI-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.35	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	1.71	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	1.87	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	1.5	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	2.4	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	0.73	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	1.49	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	1.48	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
1752	Northwest China-03 Jiashi 1997	6.1	10	240.09	Normal	2.7	1.31	RSN1752_NWCHINA3_JIA000.AT2 RSN1752_NWCHINA3_JIA270.AT2 RSN1752_NWCHINA3_JIA-UP.AT2
2655	Chi-Chi, Taiwan-03 TCU122 1999	6.2	18	475.46	Reverse	2.8	1.92	RSN2655_CHICHI.03_TCU122N.AT2 RSN2655_CHICHI.03_TCU122E.AT2 RSN2655_CHICHI.03_TCU122V.AT2
2714	Chi-Chi, Taiwan-04 CHY046 1999	6.2	38	442.15	strike slip	5.4	3.19	RSN2714_CHICHI.04_CHY046N.AT2 RSN2714_CHICHI.04_CHY046E.AT2 RSN2714_CHICHI.04_CHY046V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	1.72	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	1.6	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	500							
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.19	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.06	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2
5779	Iwate Sanbongi Osaki City 2008	6.9	36	539.87	Reverse	13.7	3.01	RSN5779_IWATE_54013NS.AT2 RSN5779_IWATE_54013EW.AT2 RSN5779_IWATE_54013UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	1.45	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.24	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6005	El Mayor-Cucapah Holtville Post Office 2010	7.2	36	202.89	strike slip	16.2	1.93	RSN6005_SIERRA.MEX_HVP360.AT2 RSN6005_SIERRA.MEX_HVP090.AT2 RSN6005_SIERRA.MEX_HVP-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	1.4	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6897	Darfield, New Zealand DSLC 2010	7	5	295.74	strike slip	11.7	1.4	RSN6897_DARFIELD_DSLCN27W.AT2 RSN6897_DARFIELD_DSLCN63E.AT2 RSN6897_DARFIELD_DSLCUP.AT2
6901	Darfield, New Zealand FDCS 2010	7	90	389.54	strike slip	12.6	3.12	RSN6901_DARFIELD_FDCSN09W.AT2 RSN6901_DARFIELD_FDCSS81W.AT2 RSN6901_DARFIELD_FDCSUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	0.74	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	0.98	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**1000**

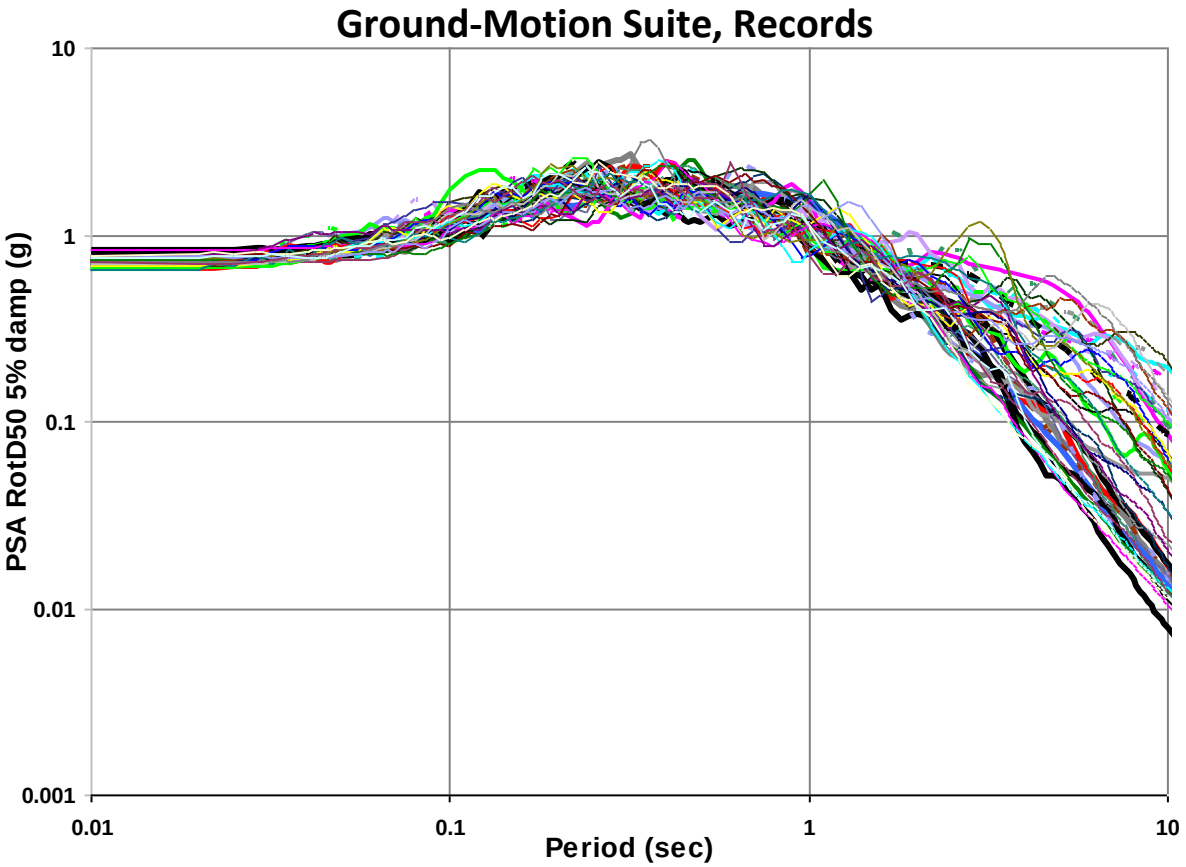
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	2.06	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
15	Kern County Taft Lincoln School 1952	7.36	38	385.43	Reverse	10.4	3.16	RSN15_KERN_TAF021.AT2 RSN15_KERN_TAF111.AT2 RSN15_KERN_TAF-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	2.59	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	1.35	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
185	Imperial Valley-06 Holtville Post Office 1979	6.53	5	202.89	strike slip	4.7	2.07	RSN185_IMPVALL.H_H-HVP225.AT2 RSN185_IMPVALL.H_H-HVP315.AT2 RSN185_IMPVALL.H_H-HVP-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	2.12	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
502	Mt. Lewis Halls Valley 1986	5.6	12	281.61	strike slip	1.8	3.7	RSN502_MTLEWIS_HVR000.AT2 RSN502_MTLEWIS_HVR090.AT2 RSN502_MTLEWIS_HVR-UP.AT2
568	San Salvador Geotech Investig Center 1986	5.8	2	489.34	strike slip	1.1	0.92	RSN568_SANSALV_GIC090.AT2 RSN568_SANSALV_GIC180.AT2 RSN568_SANSALV_GIC-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	1.77	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
733	Loma Prieta APEEL 2E Hayward Muir Sch 1989	6.93	53	271.06	Reverse O	7.2	3.14	RSN733_LOMAP_A2E000.AT2 RSN733_LOMAP_A2E090.AT2 RSN733_LOMAP_A2E-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	1.42	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	2.14	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2

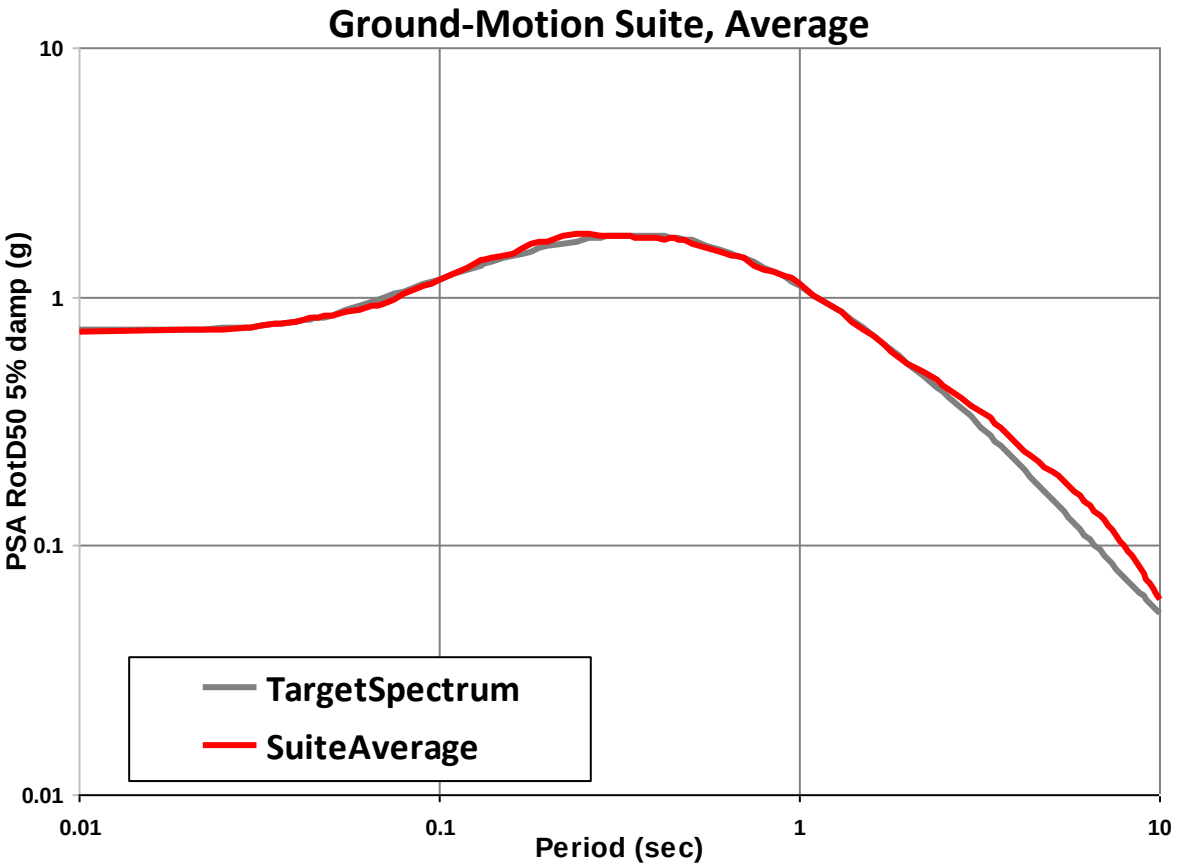
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
850	Landers Desert Hot Springs 1992	7.28	22	359	strike slip	21.7	3.17	RSN850_LANDERS_DSP000.AT2 RSN850_LANDERS_DSP090.AT2 RSN850_LANDERS_DSP-UP.AT2
949	Northridge-01 Arleta - Nordhoff Fire Sta 1994	6.69	3	297.71	Reverse	6	1.66	RSN949_NORTHR_ARL090.AT2 RSN949_NORTHR_ARL360.AT2 RSN949_NORTHR_ARL-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.3	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.03	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
986	Northridge-01 LA - Brentwood VA Hospital 1994	6.69	13	416.58	Reverse	6	2.82	RSN986_NORTHR_BVA195.AT2 RSN986_NORTHR_BVA285.AT2 RSN986_NORTHR_BVA-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	2.15	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1000	Northridge-01 LA - Pico & Sentous 1994	6.69	28	304.68	Reverse	8.4	3.89	RSN1000_NORTHR_PIC090.AT2 RSN1000_NORTHR_PIC180.AT2 RSN1000_NORTHR_PIC-UP.AT2
1008	Northridge-01 LA - W 15th St 1994	6.69	26	329.52	Reverse	9.3	3.9	RSN1008_NORTHR_W15090.AT2 RSN1008_NORTHR_W15180.AT2 RSN1008_NORTHR_W15-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	0.69	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	1.49	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	0.82	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	0.78	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	0.78	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	1.93	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	2.44	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1493	Chi-Chi, Taiwan TCU053 1999	7.62	6	454.55	Reverse O	17.9	2.68	RSN1493_CHICHI_TCU053-E.AT2 RSN1493_CHICHI_TCU053-N.AT2 RSN1493_CHICHI_TCU053-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	2.15	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1499	Chi-Chi, Taiwan TCU060 1999	7.62	9	375.42	Reverse O	19.1	3.44	RSN1499_CHICHI_TCU060-E.AT2 RSN1499_CHICHI_TCU060-N.AT2 RSN1499_CHICHI_TCU060-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.05	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	2.13	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	2.12	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
3276	Chi-Chi, Taiwan-06 CHY037 1999	6.3	53	212.14	Reverse	9.3	3.68	RSN3276_CHICHI.06_CHY037N.AT2 RSN3276_CHICHI.06_CHY037E.AT2 RSN3276_CHICHI.06_CHY037V.AT2
4117	Parkfield-02, CA Parkfield - Fault Zone 15 2004	6	1	307.59	strike slip	4.1	2.46	RSN4117_PARK2004_Z15090.AT2 RSN4117_PARK2004_Z15360.AT2 RSN4117_PARK2004_Z15-UP.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	2.28	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	1.71	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4866	Chuetsu-oki Kawanishi Izumozaki 2007	6.8	0	338.32	Reverse	6.5	1.51	RSN4866_CHUETSU_65039NS.AT2 RSN4866_CHUETSU_65039EW.AT2 RSN4866_CHUETSU_65039UD.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	1000							
4880	Chuetsu-oki Hinodecho Yoshida Tsubame City 2007	6.8	20	261.55	Reverse	12	3.91	RSN4880_CHUETSU_65085NS.AT2 RSN4880_CHUETSU_65085EW.AT2 RSN4880_CHUETSU_65085UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.53	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	2.08	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	1.78	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6059	Big Bear-01 Morongo Valley Fire Station 1992	6.46	28	396.41	strike slip	7.7	3.37	RSN6059_BIGBEAR_MVH045.AT2 RSN6059_BIGBEAR_MVH135.AT2 RSN6059_BIGBEAR_MVH-UP.AT2
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.04	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.05	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8134	Christchurch, New Zealand Styx Mill Transfer Station 2011	6.2	11	247.5	Reverse O	5.6	2.87	RSN8134_CCHURCH_SMTCN88W.AT2 RSN8134_CCHURCH_SMTCS02W.AT2 RSN8134_CCHURCH_SMTCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	1.41	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	1.77	RSN8606_SIERRA.MEX_CIWESHNN.AT RSN8606_SIERRA.MEX_CIWESHNE.AT RSN8606_SIERRA.MEX_CIWESHNZ.AT

Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**





Site	**10 SanDiego**
Site Vs30 (m/s)	**270**
Return Period (yr)	**2500**

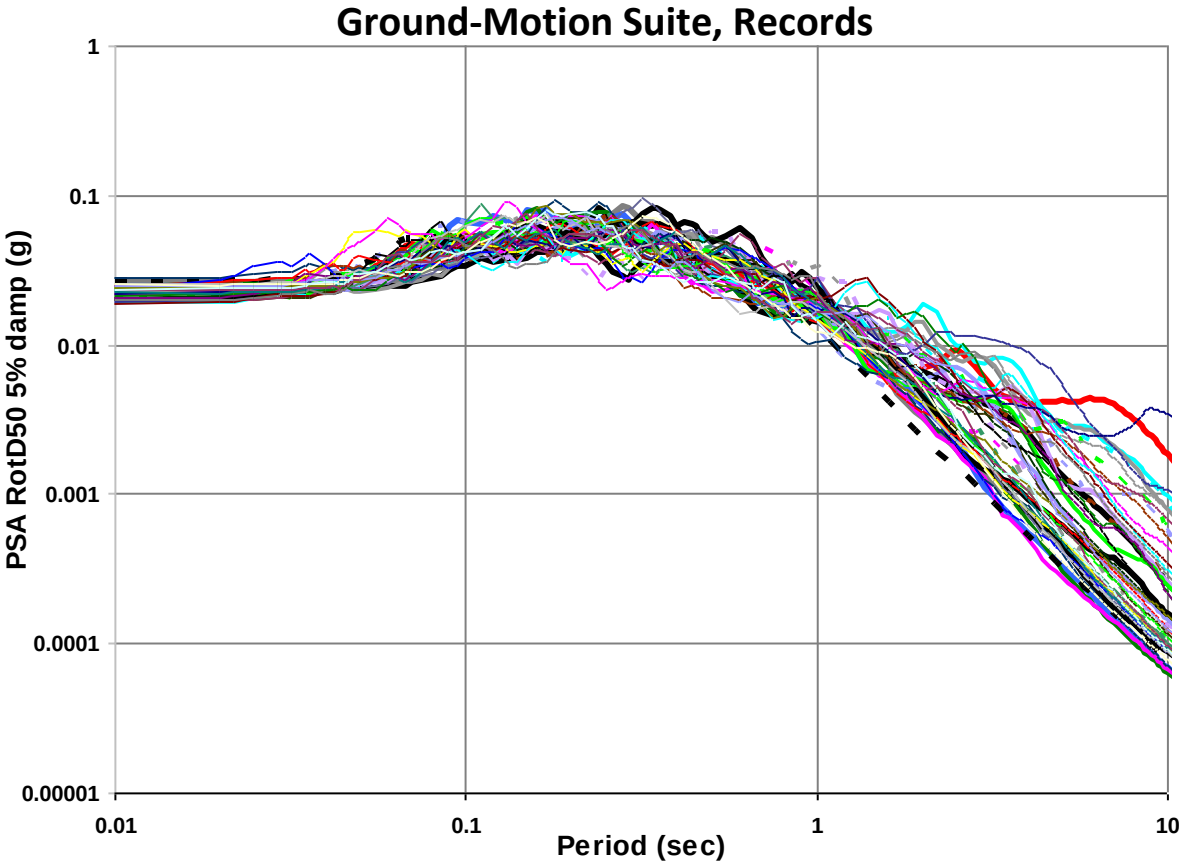
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
6	Imperial Valley-02 El Centro Array #9 1940	6.95	6	213.44	strike slip	14.7	3.05	RSN6_IMPVALL.I_I-ELC180.AT2 RSN6_IMPVALL.I_I-ELC270.AT2 RSN6_IMPVALL.I_I-ELC-UP.AT2
161	Imperial Valley-06 Brawley Airport 1979	6.53	9	208.71	strike slip	4	3.85	RSN161_IMPVALL.H_H-BRA225.AT2 RSN161_IMPVALL.H_H-BRA315.AT2 RSN161_IMPVALL.H_H-BRA-UP.AT2
165	Imperial Valley-06 Chihuahua 1979	6.53	7	242.05	strike slip	12.9	2.92	RSN165_IMPVALL.H_H-CHI012.AT2 RSN165_IMPVALL.H_H-CHI282.AT2 RSN165_IMPVALL.H_H-CHIDWN.AT2
169	Imperial Valley-06 Delta 1979	6.53	22	242.05	strike slip	23.4	2.52	RSN169_IMPVALL.H_H-DLT262.AT2 RSN169_IMPVALL.H_H-DLT352.AT2 RSN169_IMPVALL.H_H-DLTDWN.AT2
179	Imperial Valley-06 El Centro Array #4 1979	6.53	5	208.91	strike slip	3	2	RSN179_IMPVALL.H_H-E04140.AT2 RSN179_IMPVALL.H_H-E04230.AT2 RSN179_IMPVALL.H_H-E04-UP.AT2
313	Corinth, Greece Corinth 1981	6.6	10	361.4	Normal O	5.2	3.14	RSN313_CORINTH_COR--L.AT2 RSN313_CORINTH_COR--T.AT2 RSN313_CORINTH_COR-UP.AT2
316	Westmorland Parachute Test Site 1981	5.9	17	348.69	strike slip	5.9	3.71	RSN316_WESMORL_PTS225.AT2 RSN316_WESMORL_PTS315.AT2 RSN316_WESMORL_PTS-UP.AT2
721	Superstition Hills-02 El Centro Imp. Co. Cent 1987	6.54	18	192.05	strike slip	8.1	2.62	RSN721_SUPER.B_B-ICC000.AT2 RSN721_SUPER.B_B-ICC090.AT2 RSN721_SUPER.B_B-ICC-UP.AT2
728	Superstition Hills-02 Westmorland Fire Sta 1987	6.54	13	193.67	strike slip	10.9	3.2	RSN728_SUPER.B_B-WSM090.AT2 RSN728_SUPER.B_B-WSM180.AT2 RSN728_SUPER.B_B-WSM-UP.AT2
764	Loma Prieta Gilroy - Historic Bldg. 1989	6.93	10	308.55	Reverse O	3.6	2.99	RSN764_LOMAP_GOF160.AT2 RSN764_LOMAP_GOF250.AT2 RSN764_LOMAP_GOF-UP.AT2
766	Loma Prieta Gilroy Array #2 1989	6.93	10	270.84	Reverse O	2.3	2.11	RSN766_LOMAP_G02000.AT2 RSN766_LOMAP_G02090.AT2 RSN766_LOMAP_G02-UP.AT2
778	Loma Prieta Hollister Differential Array 1989	6.93	25	215.54	Reverse O	3.7	2.76	RSN778_LOMAP_HDA165.AT2 RSN778_LOMAP_HDA255.AT2 RSN778_LOMAP_HDA-UP.AT2

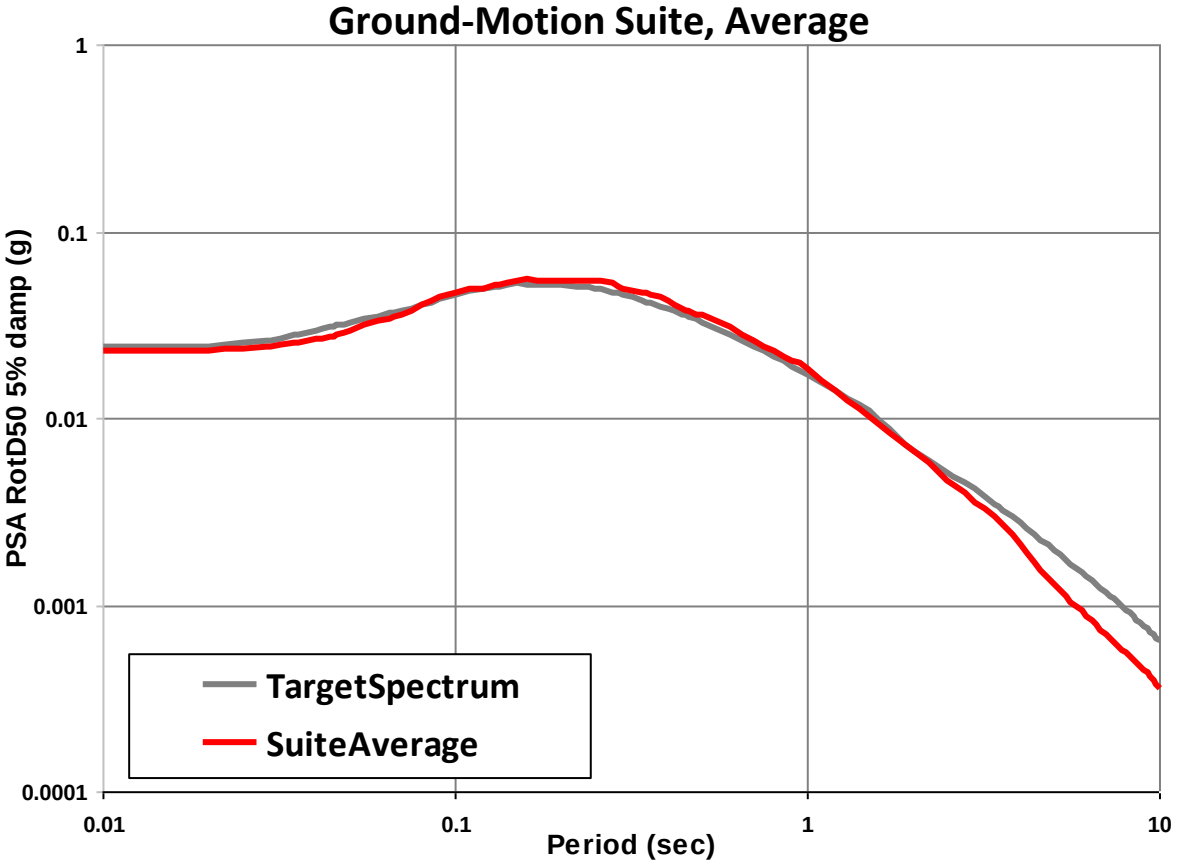
Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
786	Loma Prieta Palo Alto - 1900 Embarc. 1989	6.93	31	209.87	Reverse O	9.6	3.66	RSN786_LOMAP_PAE055.AT2 RSN786_LOMAP_PAE325.AT2 RSN786_LOMAP_PAE-UP.AT2
787	Loma Prieta Palo Alto - SLAC Lab 1989	6.93	31	425.3	Reverse O	4.5	3.18	RSN787_LOMAP_SLC270.AT2 RSN787_LOMAP_SLC360.AT2 RSN787_LOMAP_SLC-UP.AT2
806	Loma Prieta Sunnyvale - Colton Ave. 1989	6.93	24	267.71	Reverse O	9.8	3.6	RSN806_LOMAP_SVL270.AT2 RSN806_LOMAP_SVL360.AT2 RSN806_LOMAP_SVL-UP.AT2
900	Landers Yermo Fire Station 1992	7.28	24	353.63	strike slip	8.8	3.42	RSN900_LANDERS_YER270.AT2 RSN900_LANDERS_YER360.AT2 RSN900_LANDERS_YER-UP.AT2
959	Northridge-01 Canoga Park - Topanga Can 1994	6.69	0	267.49	Reverse	6.4	1.93	RSN959_NORTHR_CNP106.AT2 RSN959_NORTHR_CNP196.AT2 RSN959_NORTHR_CNP-UP.AT2
963	Northridge-01 Castaic - Old Ridge Route 1994	6.69	20	450.28	Reverse	5.1	1.53	RSN963_NORTHR_ORR090.AT2 RSN963_NORTHR_ORR360.AT2 RSN963_NORTHR_ORR-UP.AT2
988	Northridge-01 LA - Century City CC North 1994	6.69	16	277.98	Reverse	7.1	3.19	RSN988_NORTHR_CCN090.AT2 RSN988_NORTHR_CCN360.AT2 RSN988_NORTHR_CCN-UP.AT2
1044	Northridge-01 Newhall - Fire Sta 1994	6.69	3	269.14	Reverse	2.8	1.13	RSN1044_NORTHR_NWH090.AT2 RSN1044_NORTHR_NWH360.AT2 RSN1044_NORTHR_NWH-UP.AT2
1063	Northridge-01 Rinaldi Receiving Sta 1994	6.69	0	282.25	Reverse	3.9	1.02	RSN1063_NORTHR_RRS228.AT2 RSN1063_NORTHR_RRS318.AT2 RSN1063_NORTHR_RRS-UP.AT2
1082	Northridge-01 Sun Valley - Roscoe Blvd 1994	6.69	6	320.93	Reverse	5.8	2.22	RSN1082_NORTHR_RO3000.AT2 RSN1082_NORTHR_RO3090.AT2 RSN1082_NORTHR_RO3-UP.AT2
1085	Northridge-01 Sylmar - Converter Sta East 1994	6.69	0	370.52	Reverse	3.6	1.21	RSN1085_NORTHR_SCE011.AT2 RSN1085_NORTHR_SCE281.AT2 RSN1085_NORTHR_SCE-UP.AT2
1086	Northridge-01 Sylmar - Olive View Med FF 1994	6.69	2	440.54	Reverse	2.5	1.15	RSN1086_NORTHR_SYL090.AT2 RSN1086_NORTHR_SYL360.AT2 RSN1086_NORTHR_SYL-UP.AT2
1119	Kobe, Japan Takarazuka 1995	6.9	0	312	strike slip	2.1	1.16	RSN1119_KOBE_TAZ000.AT2 RSN1119_KOBE_TAZ090.AT2 RSN1119_KOBE_TAZ-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
1193	Chi-Chi, Taiwan CHY024 1999	7.62	10	427.73	Reverse O	12.6	3.13	RSN1193_CHICHI_CHY024-E.AT2 RSN1193_CHICHI_CHY024-N.AT2 RSN1193_CHICHI_CHY024-V.AT2
1244	Chi-Chi, Taiwan CHY101 1999	7.62	10	258.89	Reverse O	11.8	2.02	RSN1244_CHICHI_CHY101-E.AT2 RSN1244_CHICHI_CHY101-N.AT2 RSN1244_CHICHI_CHY101-V.AT2
1489	Chi-Chi, Taiwan TCU049 1999	7.62	4	487.27	Reverse O	17.1	2.86	RSN1489_CHICHI_TCU049-E.AT2 RSN1489_CHICHI_TCU049-N.AT2 RSN1489_CHICHI_TCU049-V.AT2
1491	Chi-Chi, Taiwan TCU051 1999	7.62	8	350.06	Reverse O	18.7	3.63	RSN1491_CHICHI_TCU051-E.AT2 RSN1491_CHICHI_TCU051-N.AT2 RSN1491_CHICHI_TCU051-V.AT2
1495	Chi-Chi, Taiwan TCU055 1999	7.62	6	359.13	Reverse O	19.1	3.19	RSN1495_CHICHI_TCU055-E.AT2 RSN1495_CHICHI_TCU055-N.AT2 RSN1495_CHICHI_TCU055-V.AT2
1508	Chi-Chi, Taiwan TCU072 1999	7.62	0	468.14	Reverse O	14.7	1.56	RSN1508_CHICHI_TCU072-E.AT2 RSN1508_CHICHI_TCU072-N.AT2 RSN1508_CHICHI_TCU072-V.AT2
1528	Chi-Chi, Taiwan TCU101 1999	7.62	2	389.41	Reverse O	16.7	3.16	RSN1528_CHICHI_TCU101-E.AT2 RSN1528_CHICHI_TCU101-N.AT2 RSN1528_CHICHI_TCU101-V.AT2
1545	Chi-Chi, Taiwan TCU120 1999	7.62	7	459.34	Reverse O	20.7	3.23	RSN1545_CHICHI_TCU120-E.AT2 RSN1545_CHICHI_TCU120-N.AT2 RSN1545_CHICHI_TCU120-V.AT2
1546	Chi-Chi, Taiwan TCU122 1999	7.62	9	475.46	Reverse O	17.9	3.14	RSN1546_CHICHI_TCU122-E.AT2 RSN1546_CHICHI_TCU122-N.AT2 RSN1546_CHICHI_TCU122-V.AT2
4457	Montenegro, Yugo. Ulcinj - Hotel Albatros 1979	7.1	2	410.35	Reverse	7.7	3.39	RSN4457_MONTENE.GRO_ULA000.A RSN4457_MONTENE.GRO_ULA090.A RSN4457_MONTENE.GRO_ULA-V.AT2
4860	Chuetsu-oki Sanjo Shinbori 2007	6.8	16	278.12	Reverse	10.5	2.54	RSN4860_CHUETSU_65033NS.AT2 RSN4860_CHUETSU_65033EW.AT2 RSN4860_CHUETSU_65033UD.AT2
4863	Chuetsu-oki Nagaoka 2007	6.8	4	514.3	Reverse	9.5	2.23	RSN4863_CHUETSU_65036NS.AT2 RSN4863_CHUETSU_65036EW.AT2 RSN4863_CHUETSU_65036UD.AT2
4894	Chuetsu-oki Kashiwazaki NPP, Unit 1: ground surf 2007	6.8	0	329	Reverse	5.7	0.79	RSN4894_CHUETSU_1-G1NS.AT2 RSN4894_CHUETSU_1-G1EW.AT2 RSN4894_CHUETSU_1-G1UD.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	270							
Return Period (yr)	2500							
5814	Iwate Furukawa Osaki City 2008	6.9	31	248.19	Reverse	12.3	2.72	RSN5814_IWATE_44B91NS.AT2 RSN5814_IWATE_44B91EW.AT2 RSN5814_IWATE_44B91UD.AT2
5823	El Mayor-Cucapah Chihuahua 2010	7.2	18	242.05	strike slip	25.1	3.09	RSN5823_SIERRA.MEX_CHI000.AT2 RSN5823_SIERRA.MEX_CHI090.AT2 RSN5823_SIERRA.MEX_CHI--V.AT2
5975	El Mayor-Cucapah Calexico Fire Station 2010	7.2	19	231.23	strike slip	18.6	2.64	RSN5975_SIERRA.MEX_CXO360.AT2 RSN5975_SIERRA.MEX_CXO090.AT2 RSN5975_SIERRA.MEX_CXO-UP.AT2
6013	El Mayor-Cucapah El Centro - Meadows Union School 2010	7.2	28	276.25	strike slip	15.3	3.61	RSN6013_SIERRA.MEX_2027B360.AT RSN6013_SIERRA.MEX_2027A090.AT RSN6013_SIERRA.MEX_2027C-UP.AT
6890	Darfield, New Zealand Christchurch Cashmere High School 2010	7	18	204	strike slip	8.7	2.97	RSN6890_DARFIELD_CMHSN10E.AT2 RSN6890_DARFIELD_CMHSS80E.AT2 RSN6890_DARFIELD_CMHSUP.AT2
6911	Darfield, New Zealand HORC 2010	7	7	326.01	strike slip	6.7	1.55	RSN6911_DARFIELD_HORCN18E.AT2 RSN6911_DARFIELD_HORCS72E.AT2 RSN6911_DARFIELD_HORCUP.AT2
6953	Darfield, New Zealand Pages Road Pumping Station 2010	7	25	206	strike slip	11.2	3.26	RSN6953_DARFIELD_PRPCW.AT2 RSN6953_DARFIELD_PRPCS.AT2 RSN6953_DARFIELD_PRPCUP.AT2
8063	Christchurch, New Zealand Christchurch Botanical Gardens 2011	6.2	6	187	Reverse O	3.8	1.56	RSN8063_CCHURCH_CBGSN89W.AT2 RSN8063_CCHURCH_CBGSS01W.AT2 RSN8063_CCHURCH_CBGSUP.AT2
8130	Christchurch, New Zealand Shirley Library 2011	6.2	6	207	Reverse O	4.3	1.92	RSN8130_CCHURCH_SHLCS40W.AT2 RSN8130_CCHURCH_SHLCS50E.AT2 RSN8130_CCHURCH_SHLCUP.AT2
8161	El Mayor-Cucapah El Centro Array #12 2010	7.2	10	196.88	strike slip	13.2	2.09	RSN8161_SIERRA.MEX_E12360.AT2 RSN8161_SIERRA.MEX_E12090.AT2 RSN8161_SIERRA.MEX_E12-UP.AT2
8606	El Mayor-Cucapah Westside Elementary School 2010	7.2	10	242	strike slip	9.3	2.63	RSN8606_SIERRA.MEX_CIWESHNN.A RSN8606_SIERRA.MEX_CIWESHNE.A RSN8606_SIERRA.MEX_CIWESHNZ.A

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**15**

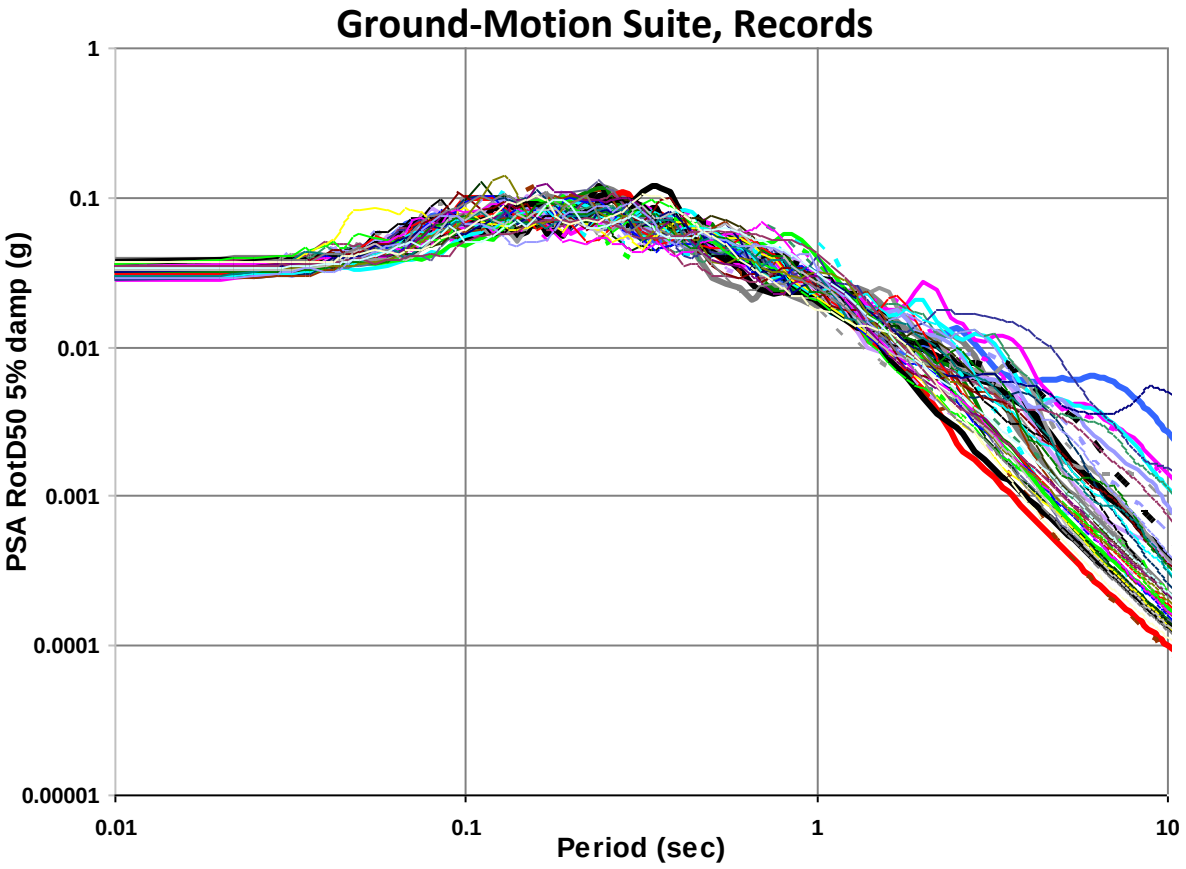
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
219	Livermore-02 Del Valle Dam (Toe) 1980	5.42	10	403.37	strike slip	3	0.55	RSN219_LIVERMOR_B-DVD156.AT2 RSN219_LIVERMOR_B-DVD246.AT2 RSN219_LIVERMOR_B-DVD-UP.AT2
224	Livermore-02 San Ramon Fire Station 1980	5.42	19	384.47	strike slip	7.1	0.43	RSN224_LIVERMOR_B-SRM070.AT2 RSN224_LIVERMOR_B-SRM340.AT2 RSN224_LIVERMOR_B-SRM-UP.AT2
237	Mammoth Lakes-03 Long Valley Dam (Downst) 1980	5.91	10	537.16	strike slip	3.2	0.29	RSN237_MAMMOTH.AH_A-LVD000.A RSN237_MAMMOTH.AH_A-LVD090.A RSN237_MAMMOTH.AH_A-LVD-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.28	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
241	Mammoth Lakes-04 Long Valley Dam (Downst) 1980	5.7	13	537.16	strike slip	2.2	0.35	RSN241_MAMMOTH.AH_B-LVD000.A RSN241_MAMMOTH.AH_B-LVD090.A RSN241_MAMMOTH.AH_B-LVD-UP.A
242	Mammoth Lakes-04 Long Valley Dam (L Abut) 1980	5.7	13	537.16	strike slip	2.3	0.29	RSN242_MAMMOTH.AH_B-LVL000.A RSN242_MAMMOTH.AH_B-LVL090.A RSN242_MAMMOTH.AH_B-LVL-UP.A
279	Almiros, Greece Almiros 1980	5.2	13	412.68	Normal	3.9	0.3	RSN279_GREECE_A-ALM-NS.AT2 RSN279_GREECE_A-ALM-WE.AT2 RSN279_GREECE_A-ALM-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	0.33	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
296	Irpinia, Italy-02 Bagnoli Irpinio 1980	6.2	18	649.67	Normal	6.1	0.44	RSN296_ITALY_B-BAG000.AT2 RSN296_ITALY_B-BAG270.AT2 RSN296_ITALY_B-BAG-UP.AT2
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.26	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
387	Coalinga-02 Sulphur Baths (temp) 1983	5.09	14	617.43	Reverse	8.5	3.52	RSN387_COALINGA_A-CSU000.AT2 RSN387_COALINGA_A-CSU090.AT2 RSN387_COALINGA_A-CSU-UP.AT2
545	Chalfant Valley-01 Bishop - Paradise Lodge 1986	5.77	15	585.12	strike slip	2.3	0.32	RSN545_CHALFANT.B_B-BPL070.AT2 RSN545_CHALFANT.B_B-BPL160.AT2 RSN545_CHALFANT.B_B-BPL-UP.AT2

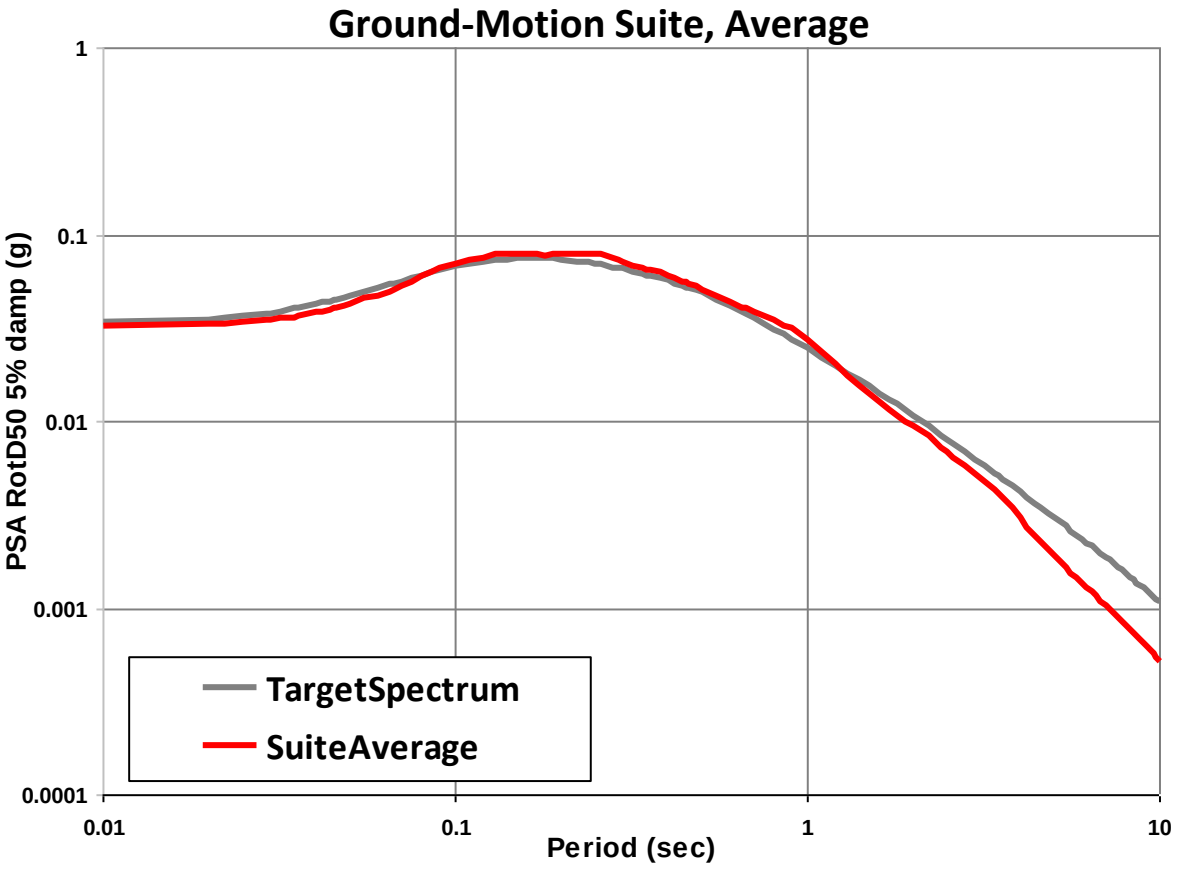
Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
553	Chalfant Valley-02 Long Valley Dam (Downst) 1986	6.19	18	537.16	strike slip	6	0.3	RSN553_CHALFANT.A_A-LVD000.AT2 RSN553_CHALFANT.A_A-LVD090.AT2 RSN553_CHALFANT.A_A-LVD-UP.AT2
554	Chalfant Valley-02 Long Valley Dam (L Abut) 1986	6.19	18	537.16	strike slip	6.4	0.25	RSN554_CHALFANT.A_A-LVL000.AT2 RSN554_CHALFANT.A_A-LVL090.AT2 RSN554_CHALFANT.A_A-LVL-UP.AT2
567	Kalamata, Greece-02 Messinia - Old Townhall 1986	5.4	8	393.96	Normal	8.5	0.56	RSN567_GREECE_I-MES-NS.AT2 RSN567_GREECE_I-MES-WE.AT2 RSN567_GREECE_I-MES-UP.AT2
1685	Northridge-05 Jensen Filter Plant Administrative Bu 1994	5.13	18	373.07	Reverse O	3.9	0.52	RSN1685_NORTH151_JEN022.AT2 RSN1685_NORTH151_JEN292.AT2 RSN1685_NORTH151_JEN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	0.35	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	0.5	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	0.55	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	0.78	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2625	Chi-Chi, Taiwan-03 TCU074 1999	6.2	14	549.43	Reverse	10.2	0.49	RSN2625_CHICHI.03_TCU074N.AT2 RSN2625_CHICHI.03_TCU074E.AT2 RSN2625_CHICHI.03_TCU074V.AT2
2635	Chi-Chi, Taiwan-03 TCU089 1999	6.2	6	671.52	Reverse	2.9	0.25	RSN2635_CHICHI.03_TCU089N.AT2 RSN2635_CHICHI.03_TCU089E.AT2 RSN2635_CHICHI.03_TCU089V.AT2
3165	Chi-Chi, Taiwan-05 TCU033 1999	6.2	90	423.4	Reverse	7.3	0.44	RSN3165_CHICHI.05_TCU033N.AT2 RSN3165_CHICHI.05_TCU033E.AT2 RSN3165_CHICHI.05_TCU033V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.42	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.25	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
3686	Whittier Narrows-02 Baldwin Park - N Holly 1987	5.27	12	544.68	Reverse O	5.6	0.46	RSN3686_WHITTIER.B_B-NHO180.AT RSN3686_WHITTIER.B_B-NHO270.AT RSN3686_WHITTIER.B_B-NHO-UP.AT
3713	Whittier Narrows-02 LA - N Figueroa St 1987	5.27	8	364.91	Reverse O	1.7	0.3	RSN3713_WHITTIER.B_B-FIG058.AT2 RSN3713_WHITTIER.B_B-FIG328.AT2 RSN3713_WHITTIER.B_B-FIG-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	0.33	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4312	Umbria-03, Italy Gubbio 1984	5.6	15	922	Normal	2.8	0.4	RSN4312_UMBRIA.P_I-GBB000.AT2 RSN4312_UMBRIA.P_I-GBB090.AT2 RSN4312_UMBRIA.P_I-GBB-UP.AT2
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	0.42	RSN4380_UBMARCHE.P_I-NRC000.A RSN4380_UBMARCHE.P_I-NRC270.A RSN4380_UBMARCHE.P_I-NRC-DN.A
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	0.32	RSN4384_UBMARCHE.P_J-CSC000.A RSN4384_UBMARCHE.P_J-CSC270.A RSN4384_UBMARCHE.P_J-CSCDWN.A
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	0.41	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.29	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4475	L'Aquila, Italy Fiamignano 2009	6.3	19	638.39	Normal	9.8	0.8	RSN4475_L-AQUILA_BX007XTE.AT2 RSN4475_L-AQUILA_BX007YLN.AT2 RSN4475_L-AQUILA_BX007ZUP.AT2
4478	L'Aquila, Italy Lab.Gran Sasso 2009	6.3	11	547	Normal	6.3	0.86	RSN4478_L-AQUILA_GE146XTE.AT2 RSN4478_L-AQUILA_GE146YLN.AT2 RSN4478_L-AQUILA_GE146ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.38	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	0.85	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.34	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	15							
4551	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -Colle Grilli 2009	5.4	11	685	Normal	3	0.3	RSN4551_L-AQUILA.B_FA237XTE.AT2 RSN4551_L-AQUILA.B_FA237YLN.AT2 RSN4551_L-AQUILA.B_FA237ZUP.AT2
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	0.38	RSN4553_L-AQUILA.B_CW119XTE.AT RSN4553_L-AQUILA.B_CW119YLN.AT RSN4553_L-AQUILA.B_CW119ZUP.AT
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	0.68	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.28	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8689	40204628 Black Mountain Los Altos 2007	5.45	35	584	strike slip	8.3	2.31	RSN8689_40204628_NJBMBHNN.AT2 RSN8689_40204628_NJBMBHNE.AT2 RSN8689_40204628_NJBMBHNZ.AT2
8709	40204628 Lick Observatory, Mt. Hamiliton, CA, 2007	5.45	13	710.29	strike slip	2.6	0.36	RSN8709_40204628_BKMHCHLN.AT2 RSN8709_40204628_BKMHCHLE.AT2 RSN8709_40204628_BKMHCHLZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.36	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8744	40204628 Wente Vineyards, Livermore, CA, US 2007	5.45	19	360.27	strike slip	12.4	2.06	RSN8744_40204628_BWENLHLN.AT2 RSN8744_40204628_BWENLHLE.AT2 RSN8744_40204628_BWENLHLZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	0.82	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8859	14383980 Santa Monica Fire St 2008	5.39	62	377.62	Reverse O	8.2	0.83	RSN8859_14383980_CISMSHNN.AT2 RSN8859_14383980_CISMSHNE.AT2 RSN8859_14383980_CISMSHNZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.3	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	0.84	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**25**

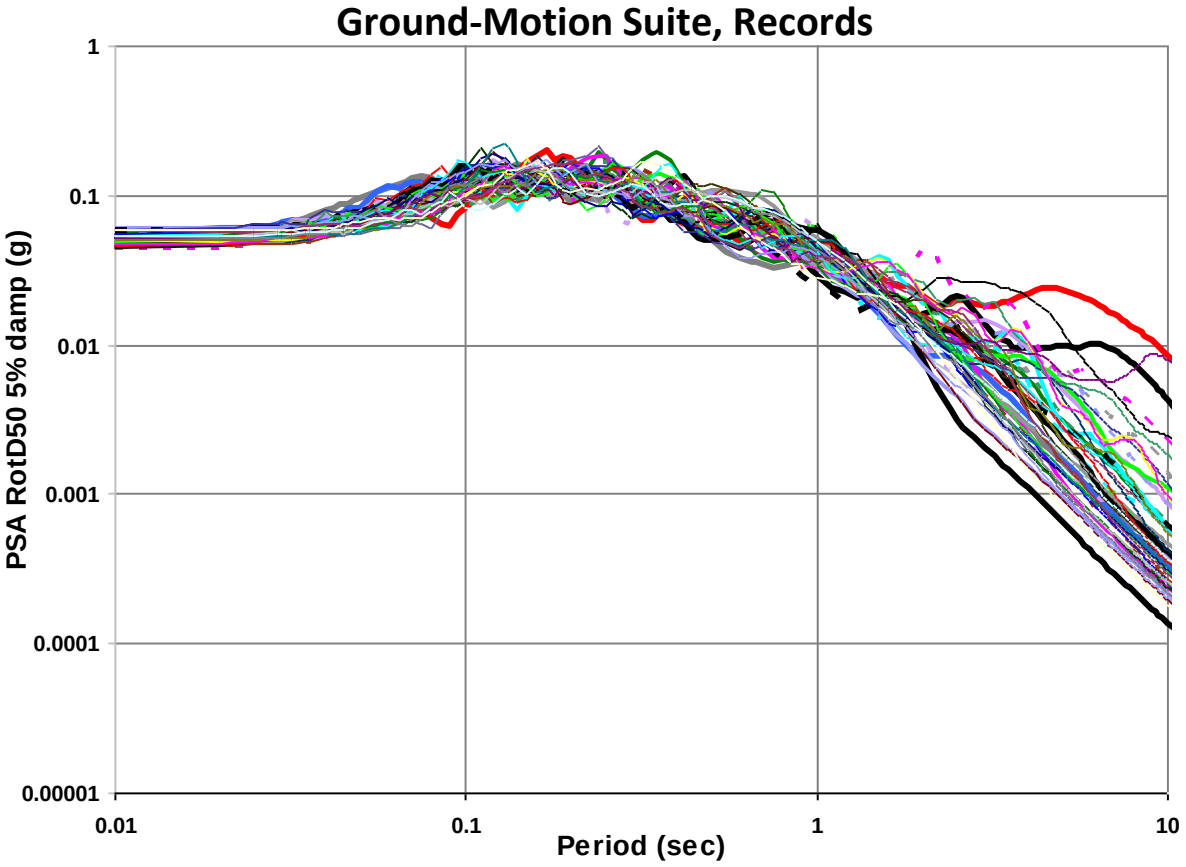
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
133	Friuli, Italy-02 San Rocco 1976	5.91	14	649.67	Reverse	2.5	0.33	RSN133_FRIULI.B_B-SRO000.AT2 RSN133_FRIULI.B_B-SRO270.AT2 RSN133_FRIULI.B_B-SRO-UP.AT2
237	Mammoth Lakes-03 Long Valley Dam (Downst) 1980	5.91	10	537.16	strike slip	3.2	0.43	RSN237_MAMMOTH.AH_A-LVD000.A RSN237_MAMMOTH.AH_A-LVD090.A RSN237_MAMMOTH.AH_A-LVD-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.41	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
242	Mammoth Lakes-04 Long Valley Dam (L Abut) 1980	5.7	13	537.16	strike slip	2.3	0.42	RSN242_MAMMOTH.AH_B-LVL000.A RSN242_MAMMOTH.AH_B-LVL090.A RSN242_MAMMOTH.AH_B-LVL-UP.A
279	Almiros, Greece Almiros 1980	5.2	13	412.68	Normal	3.9	0.43	RSN279_GREECE_A-ALM-NS.AT2 RSN279_GREECE_A-ALM-WE.AT2 RSN279_GREECE_A-ALM-UP.AT2
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	0.48	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	0.38	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	0.28	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
518	N. Palm Springs Fun Valley 1986	6.06	13	388.63	Reverse O	6.1	0.28	RSN518_PALMSPR_FVR045.AT2 RSN518_PALMSPR_FVR135.AT2 RSN518_PALMSPR_FVR-UP.AT2
551	Chalfant Valley-02 Convict Creek 1986	6.19	29	382.12	strike slip	7.4	0.5	RSN551_CHALFANT.A_A-CVK000.AT2 RSN551_CHALFANT.A_A-CVK090.AT2 RSN551_CHALFANT.A_A-CVK-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.31	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
1647	Sierra Madre San Marino - SW Academy 1991	5.61	16	379.43	Reverse	1.8	0.25	RSN1647_SMADRE_SMA000.AT2 RSN1647_SMADRE_SMA090.AT2 RSN1647_SMADRE_SMA-UP.AT2

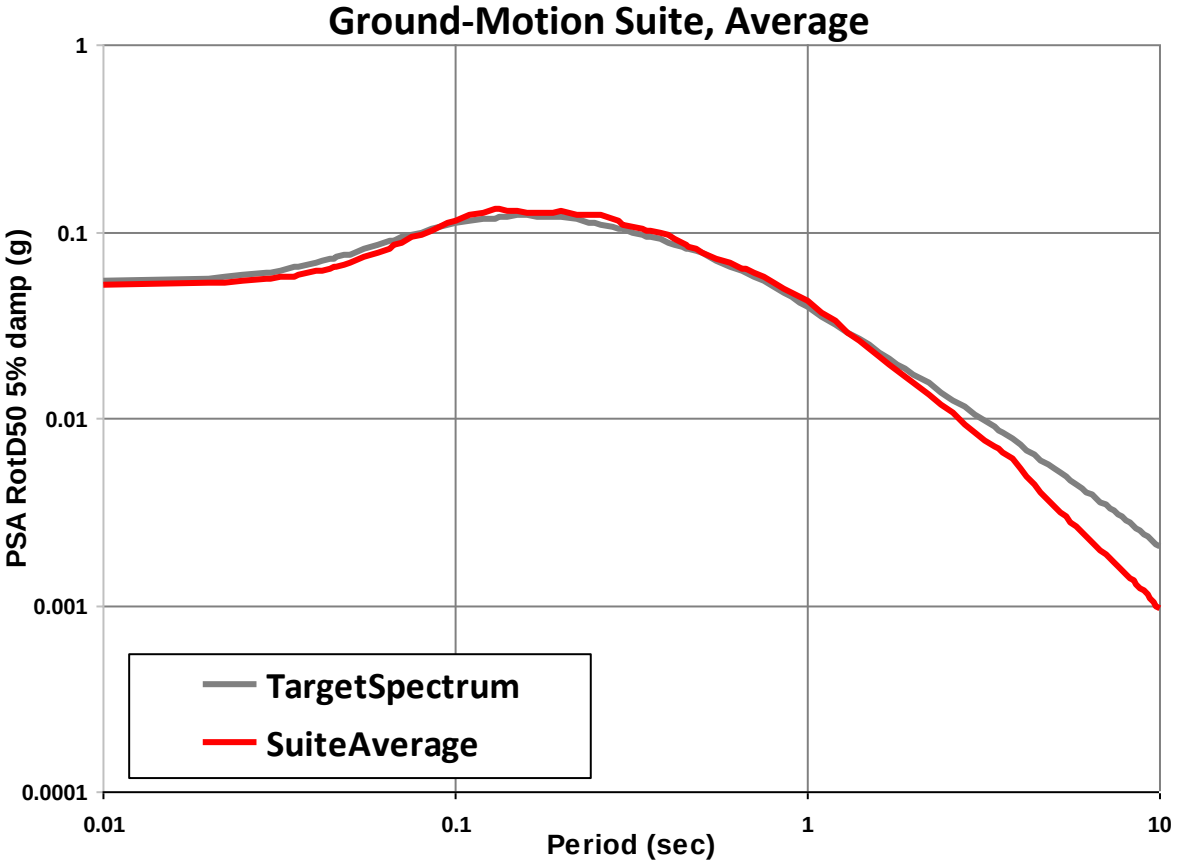
Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	0.51	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2390	Chi-Chi, Taiwan-02 TCU078 1999	5.9	14	443.04	Reverse	4.1	0.72	RSN2390_CHICHI.02_TCU078N.AT2 RSN2390_CHICHI.02_TCU078E.AT2 RSN2390_CHICHI.02_TCU078V.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	0.8	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	1.12	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
2625	Chi-Chi, Taiwan-03 TCU074 1999	6.2	14	549.43	Reverse	10.2	0.71	RSN2625_CHICHI.03_TCU074N.AT2 RSN2625_CHICHI.03_TCU074E.AT2 RSN2625_CHICHI.03_TCU074V.AT2
2635	Chi-Chi, Taiwan-03 TCU089 1999	6.2	6	671.52	Reverse	2.9	0.36	RSN2635_CHICHI.03_TCU089N.AT2 RSN2635_CHICHI.03_TCU089E.AT2 RSN2635_CHICHI.03_TCU089V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.61	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.36	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.25	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3605	Lazio Abruzzo, Italy Cassino-Sant' Elia 1984	5.8	20	436.79	Normal	4.1	0.24	RSN3605_ABRUZZO.P_CSS000.AT2 RSN3605_ABRUZZO.P_CSS090.AT2 RSN3605_ABRUZZO.P_CSS-UP.AT2
3686	Whittier Narrows-02 Baldwin Park - N Holly 1987	5.27	12	544.68	Reverse O	5.6	0.66	RSN3686_WHITTIER.B_B-NHO180.AT RSN3686_WHITTIER.B_B-NHO270.AT RSN3686_WHITTIER.B_B-NHO-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.28	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	0.34	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4129	Parkfield-02, CA PARKFIELD - TEMBLOR 2004	6	12	524.69	strike slip	3.6	0.32	RSN4129_PARK2004_36510-90.AT2 RSN4129_PARK2004_36510360.AT2 RSN4129_PARK2004_36510-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.29	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.27	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	0.49	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	0.61	RSN4380_UBMARCHE.P_I-NRC000.A RSN4380_UBMARCHE.P_I-NRC270.A RSN4380_UBMARCHE.P_I-NRC-DN.A
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	0.46	RSN4384_UBMARCHE.P_J-CSC000.A RSN4384_UBMARCHE.P_J-CSC270.A RSN4384_UBMARCHE.P_J-CSCDWN.
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	0.59	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.42	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4478	L'Aquila, Italy Lab.Gran Sasso 2009	6.3	11	547	Normal	6.3	1.25	RSN4478_L-AQUILA_GE146XTE.AT2 RSN4478_L-AQUILA_GE146YLN.AT2 RSN4478_L-AQUILA_GE146ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.55	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.35	RSN4513_L-AQUILA.A_AM383XTE.A RSN4513_L-AQUILA.A_AM383YLN.A RSN4513_L-AQUILA.A_AM383ZUP.A
4518	L'Aquila (aftershock 1), Italy Celano 2009	5.6	20	612.78	Normal O	4.6	1.23	RSN4518_L-AQUILA.A_TK011XTE.AT2 RSN4518_L-AQUILA.A_TK011YLN.AT2 RSN4518_L-AQUILA.A_TK011ZUP.AT2
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.5	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	25							
4553	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno -F. Aterno 2009	5.4	10	552	Normal	3.4	0.55	RSN4553_L-AQUILA.B_CW119XTE.AT RSN4553_L-AQUILA.B_CW119YLN.AT RSN4553_L-AQUILA.B_CW119ZUP.AT
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.27	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	0.99	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	0.36	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2
8648	40204628 San Jose; Laneview School Warmwo 2007	5.45	8	363.45	strike slip	3	0.4	RSN8648_40204628_N1825HNN.AT2 RSN8648_40204628_N1825HNE.AT2 RSN8648_40204628_N1825HNZ.AT2
8689	40204628 Black Mountain Los Altos 2007	5.45	35	584	strike slip	8.3	3.35	RSN8689_40204628_NJBMBHNN.AT2 RSN8689_40204628_NJBMBHNE.AT2 RSN8689_40204628_NJBMBHNZ.AT2
8709	40204628 Lick Observatory, Mt. Hamiliton, CA, 2007	5.45	13	710.29	strike slip	2.6	0.52	RSN8709_40204628_BKMHCHLN.AT2 RSN8709_40204628_BKMHCHLE.AT2 RSN8709_40204628_BKMHCHLZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.52	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8744	40204628 Wente Vineyards, Livermore, CA, US 2007	5.45	19	360.27	strike slip	12.4	2.99	RSN8744_40204628_BWENLHLN.AT2 RSN8744_40204628_BWENLHLE.AT2 RSN8744_40204628_BWENLHLZ.AT2
8833	14383980 Puddingstone Reservoir 2008	5.39	15	462.66	Reverse O	1.3	0.31	RSN8833_14383980_CIPSRHNN.AT2 RSN8833_14383980_CIPSRHNE.AT2 RSN8833_14383980_CIPSRHNZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.44	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.32	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**50**

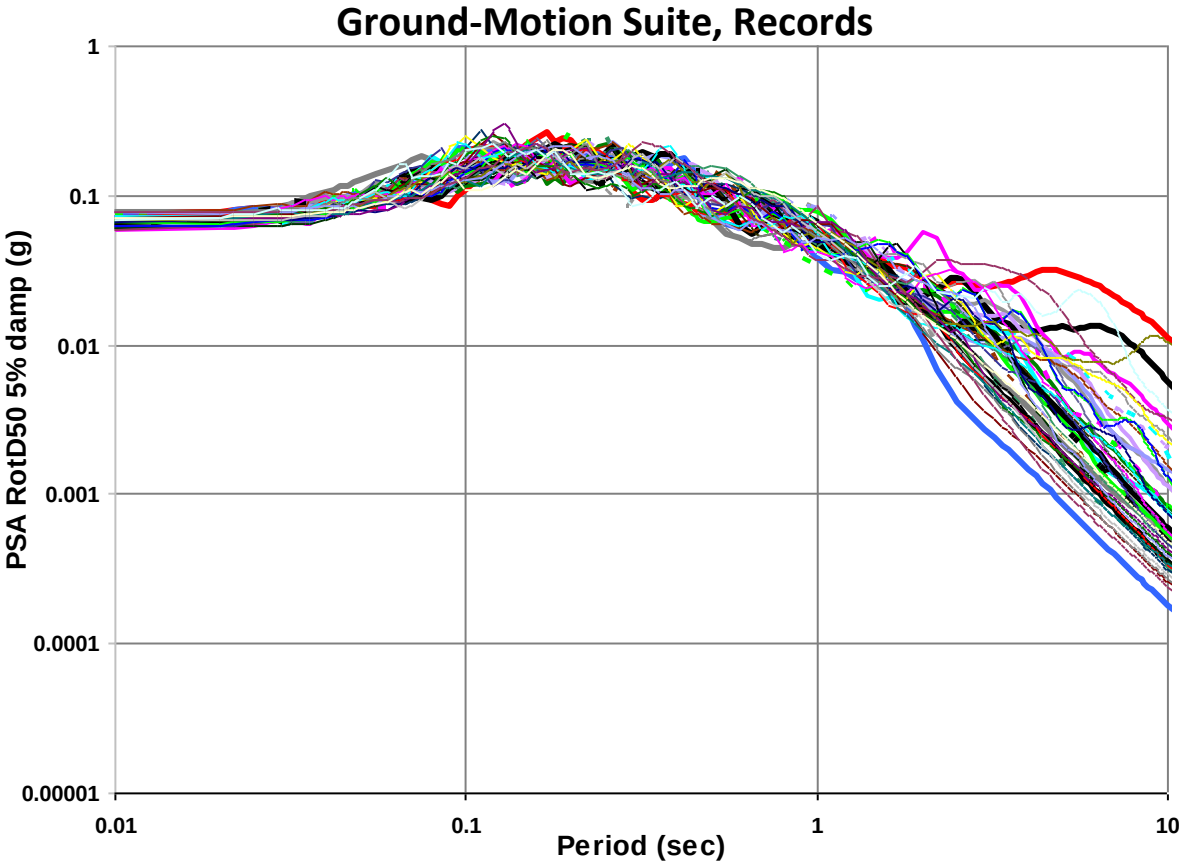
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.36	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.3	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.29	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
237	Mammoth Lakes-03 Long Valley Dam (Downst) 1980	5.91	10	537.16	strike slip	3.2	0.68	RSN237_MAMMOTH.AH_A-LVD000.A RSN237_MAMMOTH.AH_A-LVD090.A RSN237_MAMMOTH.AH_A-LVD-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.66	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	0.77	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
320	Mammoth Lakes-10 Convict Creek 1983	5.34	6	382.12	strike slip	2.2	0.29	RSN320_MAMMOTH.AH_F-CVK090.A RSN320_MAMMOTH.AH_F-CVK180.A RSN320_MAMMOTH.AH_F-CVK-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	0.27	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	0.25	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.49	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.37	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
675	Whittier Narrows-01 Pasadena - CIT Athenaeum 1987	5.99	4	415.13	Reverse O	3	0.37	RSN675_WHITTIER.A_A-PAS180.AT2 RSN675_WHITTIER.A_A-PAS270.AT2 RSN675_WHITTIER.A_A-PAS-UP.AT2

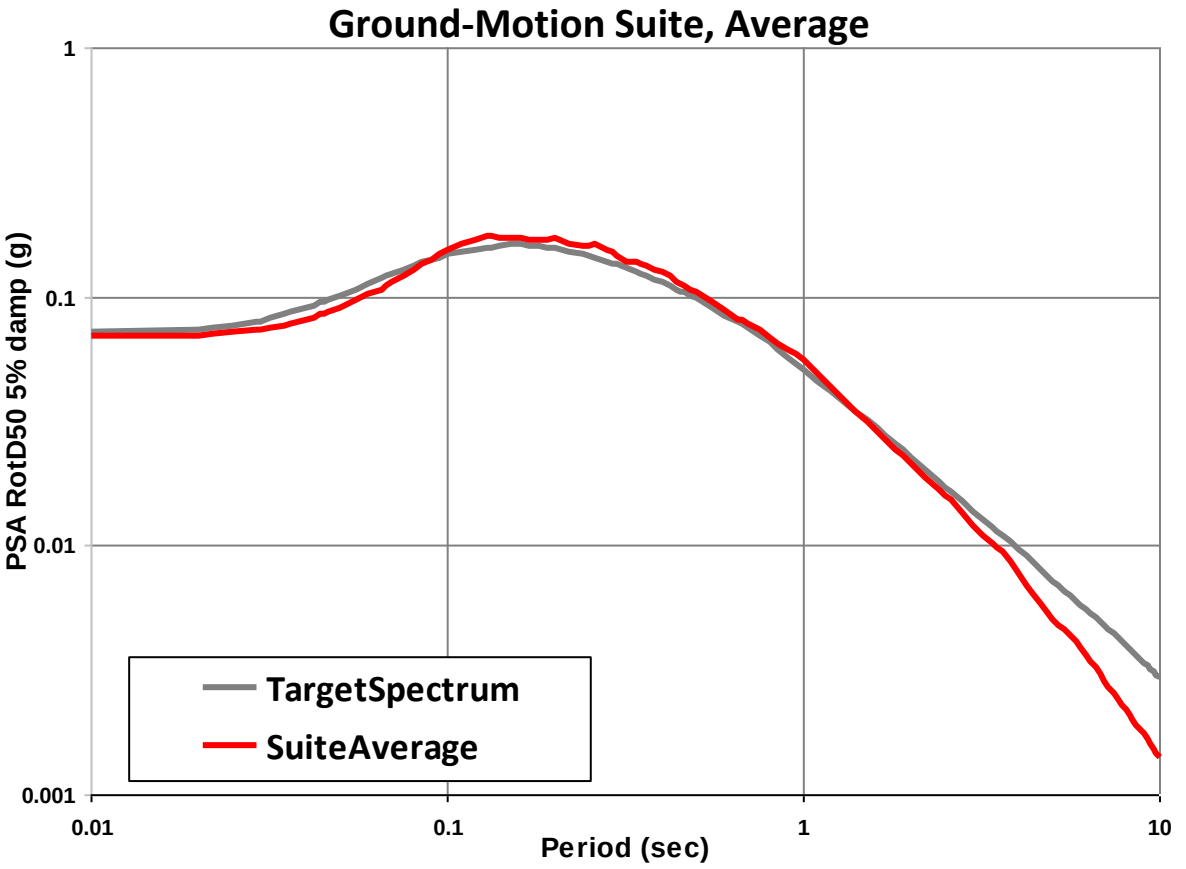
Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.3	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	0.33	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.29	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	0.81	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.29	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	1.8	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	0.98	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.58	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.39	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3686	Whittier Narrows-02 Baldwin Park - N Holly 1987	5.27	12	544.68	Reverse O	5.6	1.06	RSN3686_WHITTIER.B_B-NHO180.AT RSN3686_WHITTIER.B_B-NHO270.AT RSN3686_WHITTIER.B_B-NHO-UP.AT
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	0.45	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	0.55	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.29	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.34	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4129	Parkfield-02, CA PARKFIELD - TEMBLOR 2004	6	12	524.69	strike slip	3.6	0.51	RSN4129_PARK2004_36510-90.AT2 RSN4129_PARK2004_36510360.AT2 RSN4129_PARK2004_36510-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.46	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.44	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	0.78	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	0.99	RSN4380_UBMARCHE.P_I-NRC000.A RSN4380_UBMARCHE.P_I-NRC270.A RSN4380_UBMARCHE.P_I-NRC-DN.A
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	0.74	RSN4384_UBMARCHE.P_J-CSC000.A RSN4384_UBMARCHE.P_J-CSC270.A RSN4384_UBMARCHE.P_J-CSCDWN.
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	0.95	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.28	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.67	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4478	L'Aquila, Italy Lab.Gran Sasso 2009	6.3	11	547	Normal	6.3	2	RSN4478_L-AQUILA_GE146XTE.AT2 RSN4478_L-AQUILA_GE146YLN.AT2 RSN4478_L-AQUILA_GE146ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	0.88	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.56	RSN4513_L-AQUILA.A_AM383XTE.A RSN4513_L-AQUILA.A_AM383YLN.A RSN4513_L-AQUILA.A_AM383ZUP.A

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	50							
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	0.79	RSN4550_L-AQUILA.B_VO026XTE.AT2 RSN4550_L-AQUILA.B_VO026YLN.AT2 RSN4550_L-AQUILA.B_VO026ZUP.AT
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	0.35	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5275	Chuetsu-oki NIGH01 2007	6.8	16	480.4	Reverse	10.9	0.34	RSN5275_CHUETSU_NIGH01NS.AT2 RSN5275_CHUETSU_NIGH01EW.AT2 RSN5275_CHUETSU_NIGH01UD.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.44	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	1.59	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	0.57	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2
8674	40204628 Mt. Hamilton Road 2007	5.45	4	471	strike slip	1.1	0.31	RSN8674_40204628_NCCHRHNN.AT2 RSN8674_40204628_NCCHRHNE.AT2 RSN8674_40204628_NCCHRHNZ.AT2
8709	40204628 Lick Observatory, Mt. Hamiliton, CA, 2007	5.45	13	710.29	strike slip	2.6	0.83	RSN8709_40204628_BKMHCHLN.AT2 RSN8709_40204628_BKMHCHLE.AT2 RSN8709_40204628_BKMHCHLZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	0.83	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	1.9	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.7	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.51	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**75**

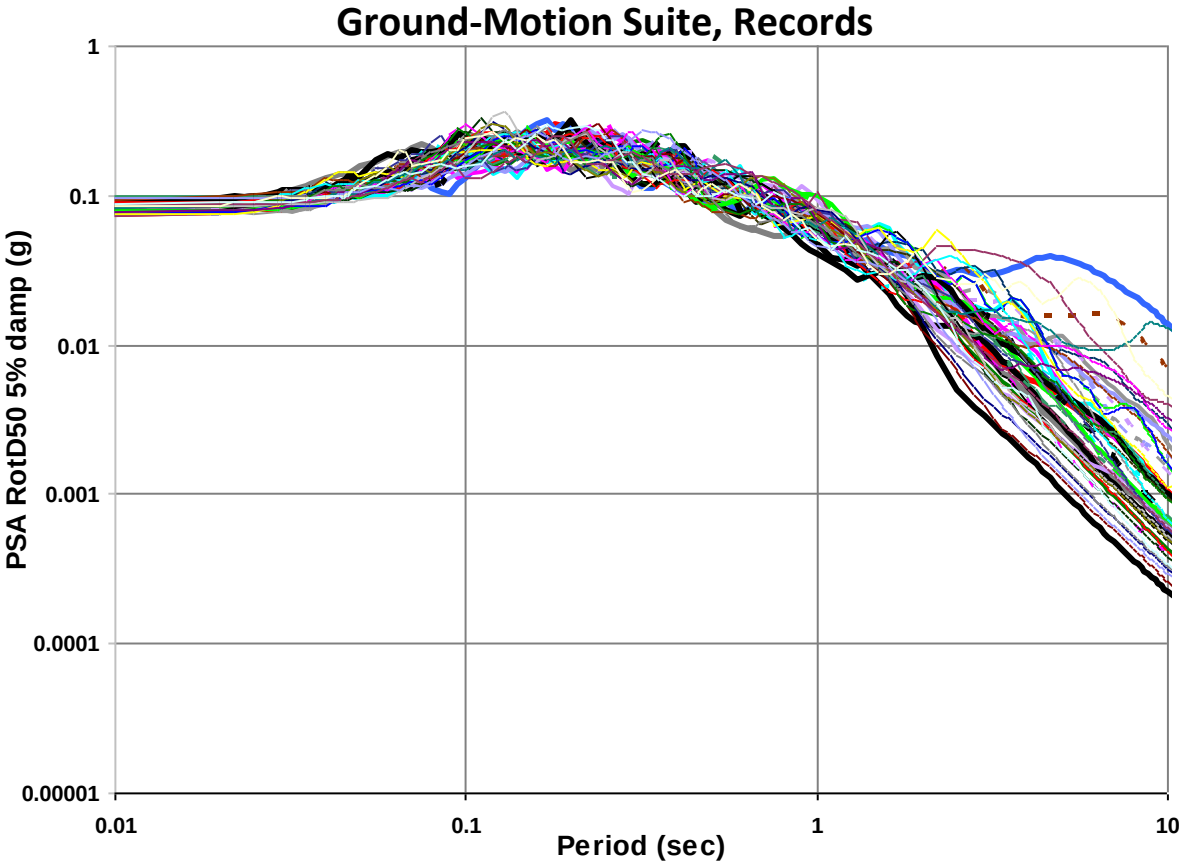
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.48	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.39	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.31	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	0.87	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.03	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	0.36	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	0.34	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.65	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.5	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.4	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	1.51	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	0.44	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2

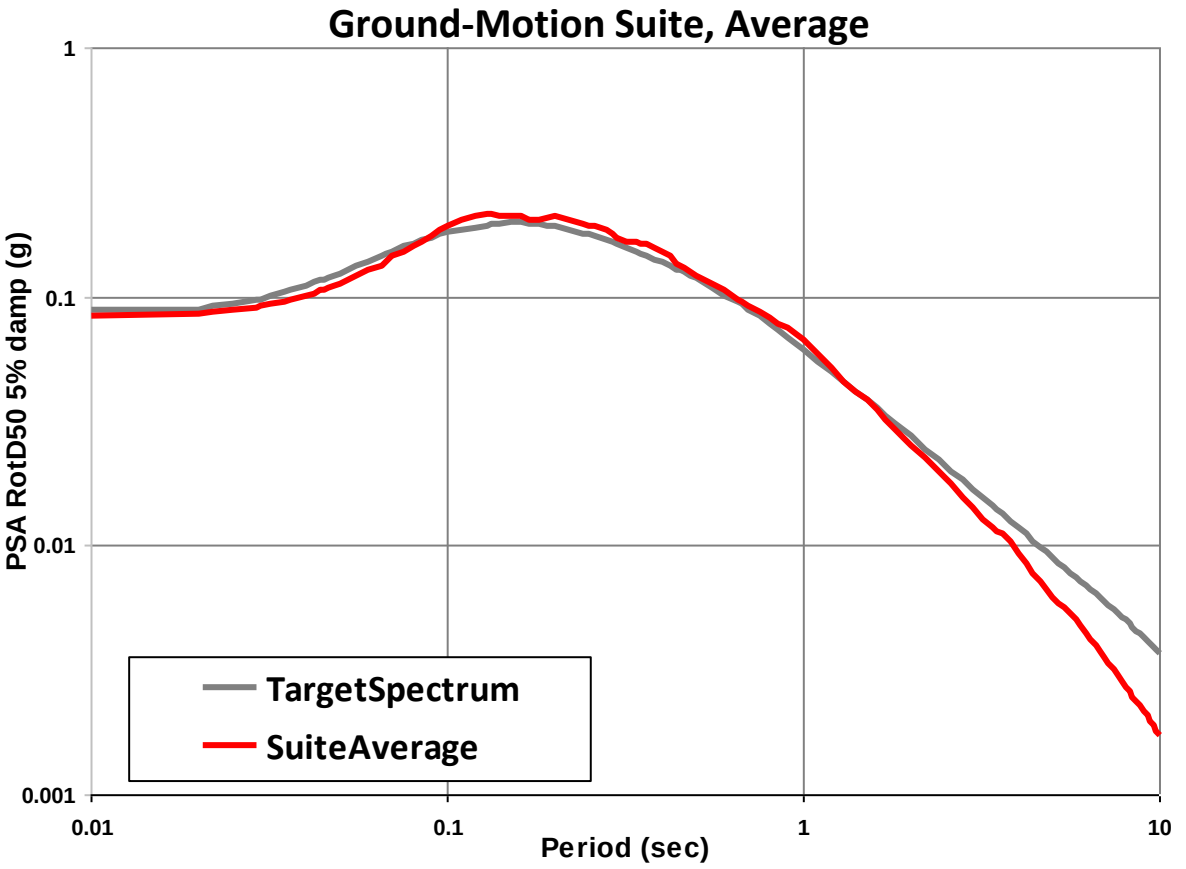
Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.38	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1.08	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	1.71	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2624	Chi-Chi, Taiwan-03 TCU073 1999	6.2	19	473.65	Reverse	12	2.4	RSN2624_CHICHI.03_TCU073N.AT2 RSN2624_CHICHI.03_TCU073E.AT2 RSN2624_CHICHI.03_TCU073V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.31	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.76	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.52	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3686	Whittier Narrows-02 Baldwin Park - N Holly 1987	5.27	12	544.68	Reverse O	5.6	1.41	RSN3686_WHITTIER.B_B-NHO180.AT RSN3686_WHITTIER.B_B-NHO270.AT RSN3686_WHITTIER.B_B-NHO-UP.AT
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	0.72	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	0.31	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.39	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.45	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.26	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.61	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.58	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	1.03	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	1.31	RSN4380_UBMARCHE.P_I-NRC000.A RSN4380_UBMARCHE.P_I-NRC270.A RSN4380_UBMARCHE.P_I-NRC-DN.A
4384	Umbria Marche (aftershock 2), Italy Cascia 1997	5.6	20	585.04	Normal	2.2	0.98	RSN4384_UBMARCHE.P_J-CSC000.A RSN4384_UBMARCHE.P_J-CSC270.A RSN4384_UBMARCHE.P_J-CSCDWN.
4410	Umbria Marche (aftershock 17), Italy Gubbio-Piana 1998	5.1	18	492	Normal	6.6	1.26	RSN4410_UBMARCHE.P_R-GBP000.A RSN4410_UBMARCHE.P_R-GBP090.A RSN4410_UBMARCHE.P_R-GBP-UP.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.38	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	0.89	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4478	L'Aquila, Italy Lab.Gran Sasso 2009	6.3	11	547	Normal	6.3	2.65	RSN4478_L-AQUILA_GE146XTE.AT2 RSN4478_L-AQUILA_GE146YLN.AT2 RSN4478_L-AQUILA_GE146ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	1.18	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.74	RSN4513_L-AQUILA.A_AM383XTE.A RSN4513_L-AQUILA.A_AM383YLN.A RSN4513_L-AQUILA.A_AM383ZUP.A
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.06	RSN4550_L-AQUILA.B_VO026XTE.A RSN4550_L-AQUILA.B_VO026YLN.A RSN4550_L-AQUILA.B_VO026ZUP.A
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	0.46	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	75							
5275	Chuetsu-oki NIGH01 2007	6.8	16	480.4	Reverse	10.9	0.46	RSN5275_CHUETSU_NIGH01NS.AT2 RSN5275_CHUETSU_NIGH01EW.AT2 RSN5275_CHUETSU_NIGH01UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.27	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.29	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6949	Darfield, New Zealand PEEC 2010	7	52	551.3	strike slip	13.4	0.58	RSN6949_DARFIELD_PEECN11W.AT2 RSN6949_DARFIELD_PEECS79W.AT2 RSN6949_DARFIELD_PEECUP.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	2.11	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	0.76	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2
8674	40204628 Mt. Hamilton Road 2007	5.45	4	471	strike slip	1.1	0.41	RSN8674_40204628_NCCHRHNN.AT2 RSN8674_40204628_NCCHRHNE.AT2 RSN8674_40204628_NCCHRHNZ.AT2
8709	40204628 Lick Observatory, Mt. Hamiliton, CA, 2007	5.45	13	710.29	strike slip	2.6	1.11	RSN8709_40204628_BKMHCHLN.AT2 RSN8709_40204628_BKMHCHLE.AT2 RSN8709_40204628_BKMHCHLZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.11	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8851	14383980 Saddleback 2008	5.39	42	420.96	Reverse O	13.2	2.52	RSN8851_14383980_CISDDHNN.AT2 RSN8851_14383980_CISDDHNE.AT2 RSN8851_14383980_CISDDHNZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	0.93	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.67	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**100**

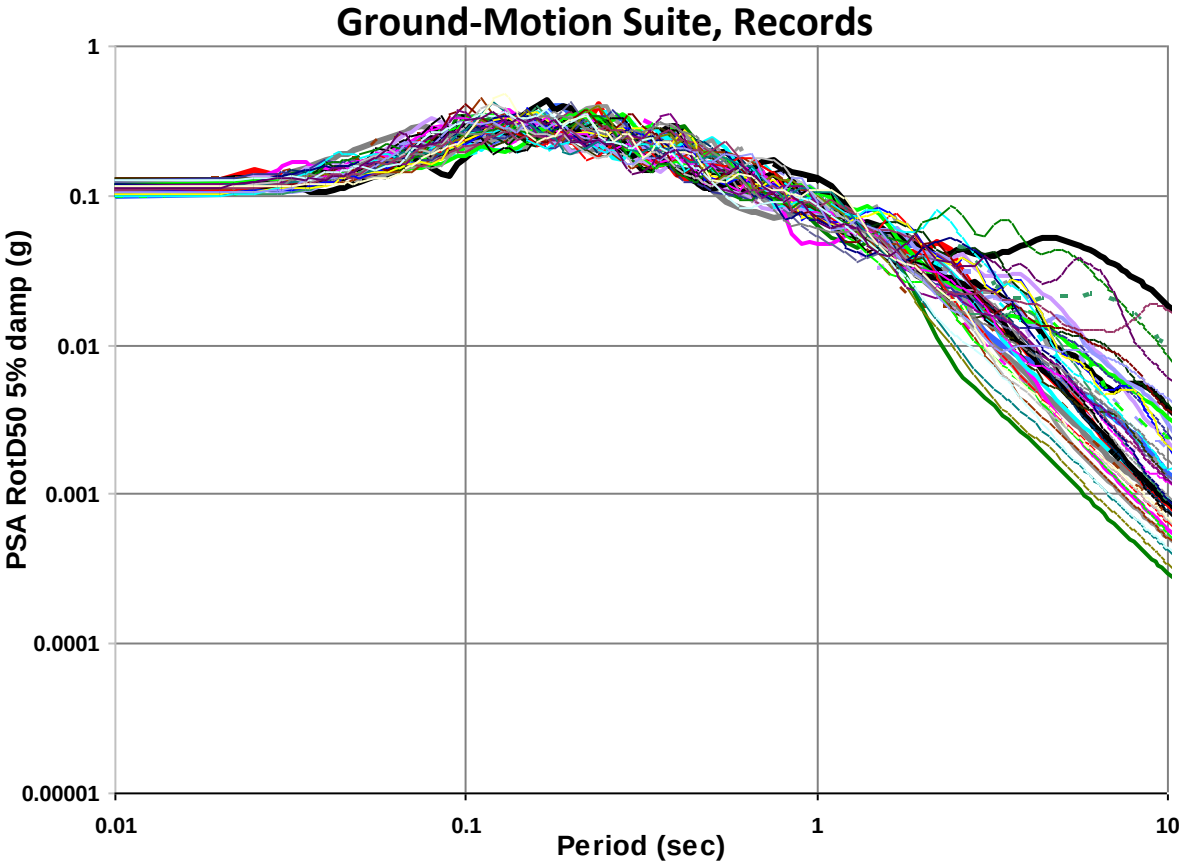
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.58	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.49	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.47	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.38	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.06	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.25	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	0.44	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	0.41	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.26	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	0.79	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.61	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.48	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

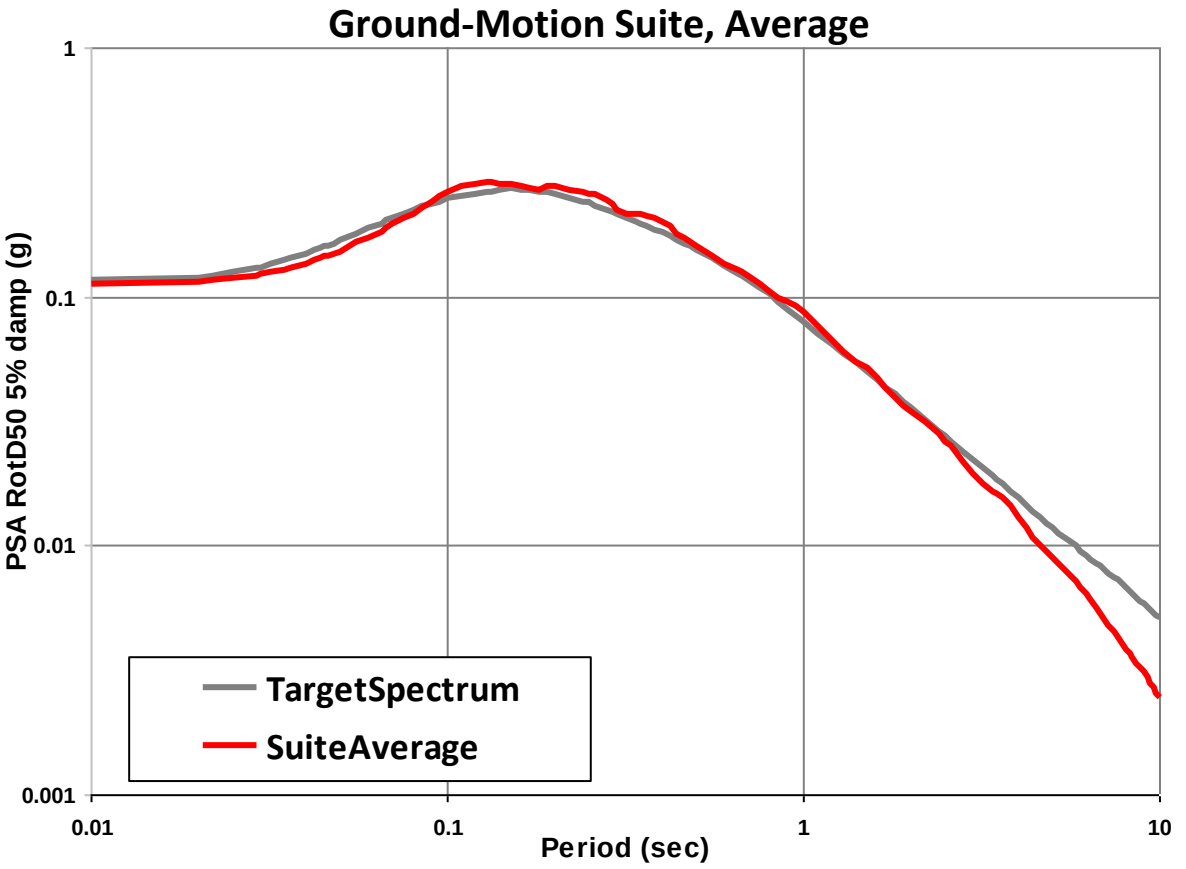
Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.28	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	1.84	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	0.53	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.46	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1.31	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	2.08	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	1.59	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	0.93	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.64	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3686	Whittier Narrows-02 Baldwin Park - N Holly 1987	5.27	12	544.68	Reverse O	5.6	1.71	RSN3686_WHITTIER.B_B-NHO180.AT RSN3686_WHITTIER.B_B-NHO270.AT RSN3686_WHITTIER.B_B-NHO-UP.AT
3859	Chi-Chi (aftershock 4), Taiwan CHY006 1999	6.2	53	438.19	Reverse	9	0.88	RSN3859_CHICHI.05_CHY006N.AT2 RSN3859_CHICHI.05_CHY006W.AT2 RSN3859_CHICHI.05_CHY006V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	0.38	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.47	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.55	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.32	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.74	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.7	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	1.26	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.25	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	1.6	RSN4380_UBMARCHE.P_I-NRC000.AT RSN4380_UBMARCHE.P_I-NRC270.AT RSN4380_UBMARCHE.P_I-NRC-DN.AT
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.46	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.08	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4478	L'Aquila, Italy Lab.Gran Sasso 2009	6.3	11	547	Normal	6.3	3.23	RSN4478_L-AQUILA_GE146XTE.AT2 RSN4478_L-AQUILA_GE146YLN.AT2 RSN4478_L-AQUILA_GE146ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	1.43	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	0.9	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.29	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	100							
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	0.56	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5275	Chuetsu-oki NIGH01 2007	6.8	16	480.4	Reverse	10.9	0.56	RSN5275_CHUETSU_NIGH01NS.AT2 RSN5275_CHUETSU_NIGH01EW.AT2 RSN5275_CHUETSU_NIGH01UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	0.27	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.33	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.35	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	2.57	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	0.92	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.35	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	1.13	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2
8886	14383980 Olinda - Carbon Canyon Rd 2008	5.39	2	378.17	Reverse O	1.9	0.82	RSN8886_14383980_13882360.AT2 RSN8886_14383980_13882090.AT2 RSN8886_14383980_13882-UP.AT2
8947	14383980 San Bernardino - Lincoln School 2008	5.39	46	426.21	Reverse O	10.5	3.17	RSN8947_14383980_N5373360.AT2 RSN8947_14383980_N5373090.AT2 RSN8947_14383980_N5373-UP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**150**

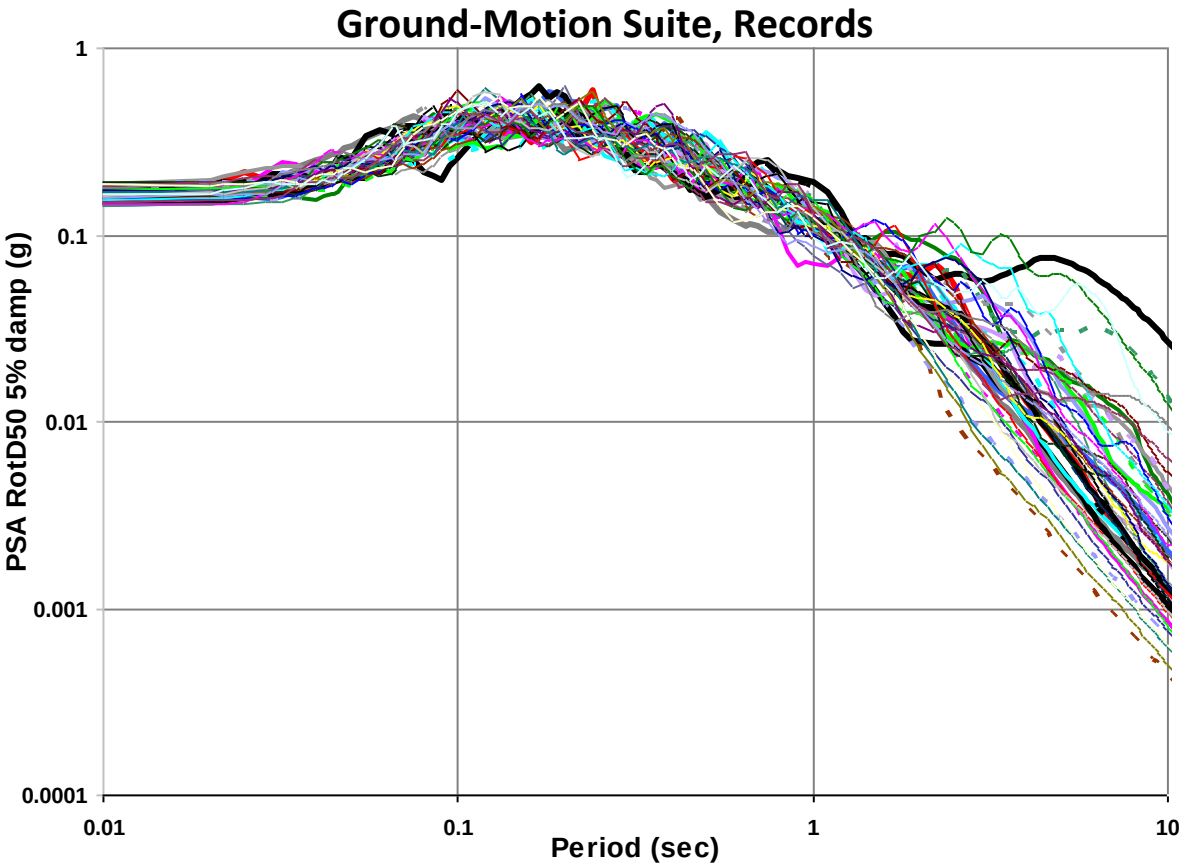
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	0.77	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	0.31	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.65	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.26	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.63	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.5	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	1.42	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
284	Irpinia, Italy-01 Auletta 1980	6.9	10	476.62	Normal	12.9	1.67	RSN284_ITALY_A-AUL000.AT2 RSN284_ITALY_A-AUL270.AT2 RSN284_ITALY_A-AUL-UP.AT2
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	0.58	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	0.55	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.35	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.06	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2

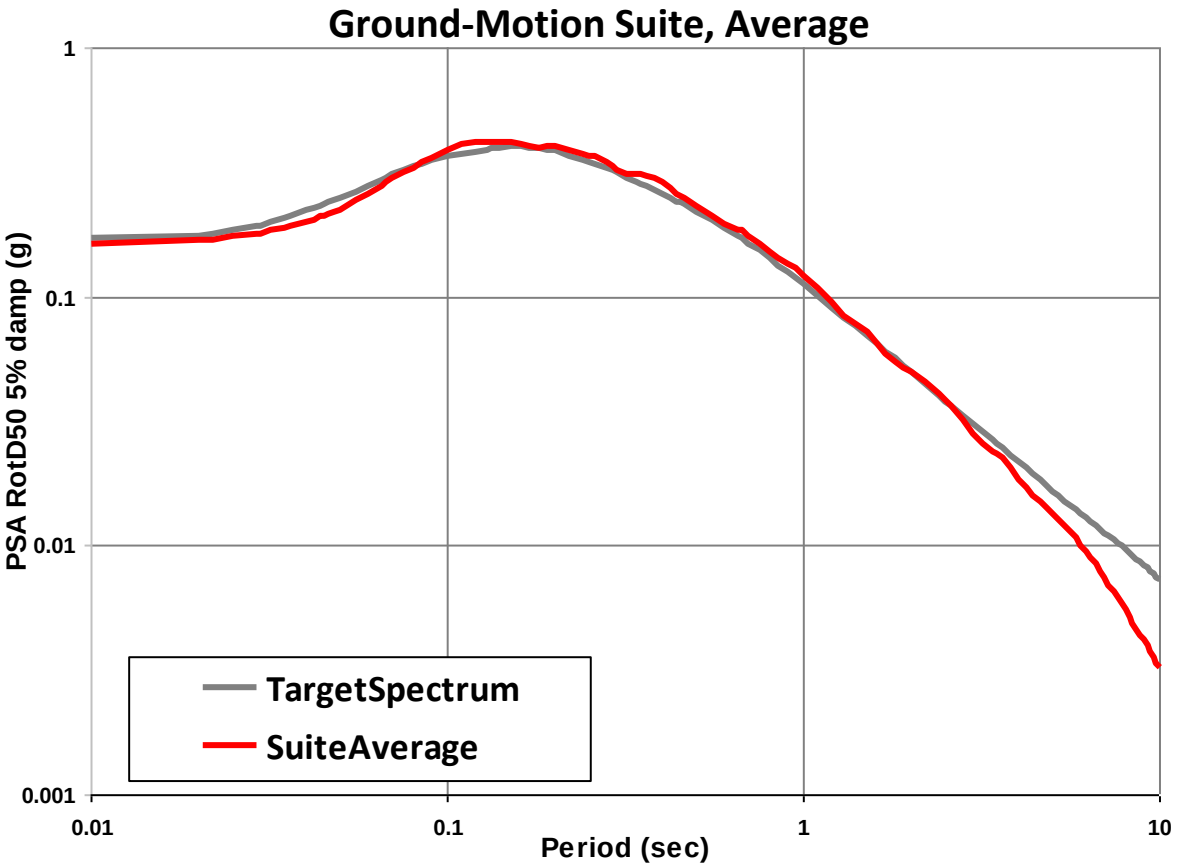
Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	0.81	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.64	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.32	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.37	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	2.45	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.32	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	0.71	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.62	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	1.75	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2399	Chi-Chi, Taiwan-02 TCU089 1999	5.9	10	671.52	Reverse	3.3	2.77	RSN2399_CHICHI.02_TCU089N.AT2 RSN2399_CHICHI.02_TCU089E.AT2 RSN2399_CHICHI.02_TCU089V.AT2
2946	Chi-Chi, Taiwan-05 CHY029 1999	6.2	54	544.74	Reverse	6.7	1.4	RSN2946_CHICHI.05_CHY029N.AT2 RSN2946_CHICHI.05_CHY029E.AT2 RSN2946_CHICHI.05_CHY029V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	2.12	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	1.24	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	0.85	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	0.5	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.63	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	0.73	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.43	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	0.99	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	0.94	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4205	Niigata, Japan NIG015 2004	6.63	40	488.65	Reverse	12.5	1.68	RSN4205_NIIGATA_NIG015NS.AT2 RSN4205_NIIGATA_NIG015EW.AT2 RSN4205_NIIGATA_NIG015UD.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.34	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4380	Umbria Marche (aftershock 8), Italy Norcia 1997	5.2	16	678	Normal	2.4	2.13	RSN4380_UBMARCHE.P_I-NRC000.A RSN4380_UBMARCHE.P_I-NRC270.A RSN4380_UBMARCHE.P_I-NRC-DN.A
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.61	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	1.44	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	1.91	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	150							
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	1.2	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	1.71	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	0.75	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5275	Chuetsu-oki NIGH01 2007	6.8	16	480.4	Reverse	10.9	0.74	RSN5275_CHUETSU_NIGH01NS.AT2 RSN5275_CHUETSU_NIGH01EW.AT2 RSN5275_CHUETSU_NIGH01UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.28	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	0.36	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.44	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	1.24	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.47	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
8163	El Mayor-Cucapah SANTA ISABEL VIEJO 2010	7.2	55	483.02	strike slip	21.2	3.43	RSN8163_SIERRA.MEX_SIV000.AT2 RSN8163_SIERRA.MEX_SIV090.AT2 RSN8163_SIERRA.MEX_SIV--V.AT2
8630	40204628 Mt. Pleasant High School 2007	5.45	8	377	strike slip	3.6	1.23	RSN8630_40204628_N1793HNN.AT2 RSN8630_40204628_N1793HNE.AT2 RSN8630_40204628_N1793HNZ.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	1.79	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**250**

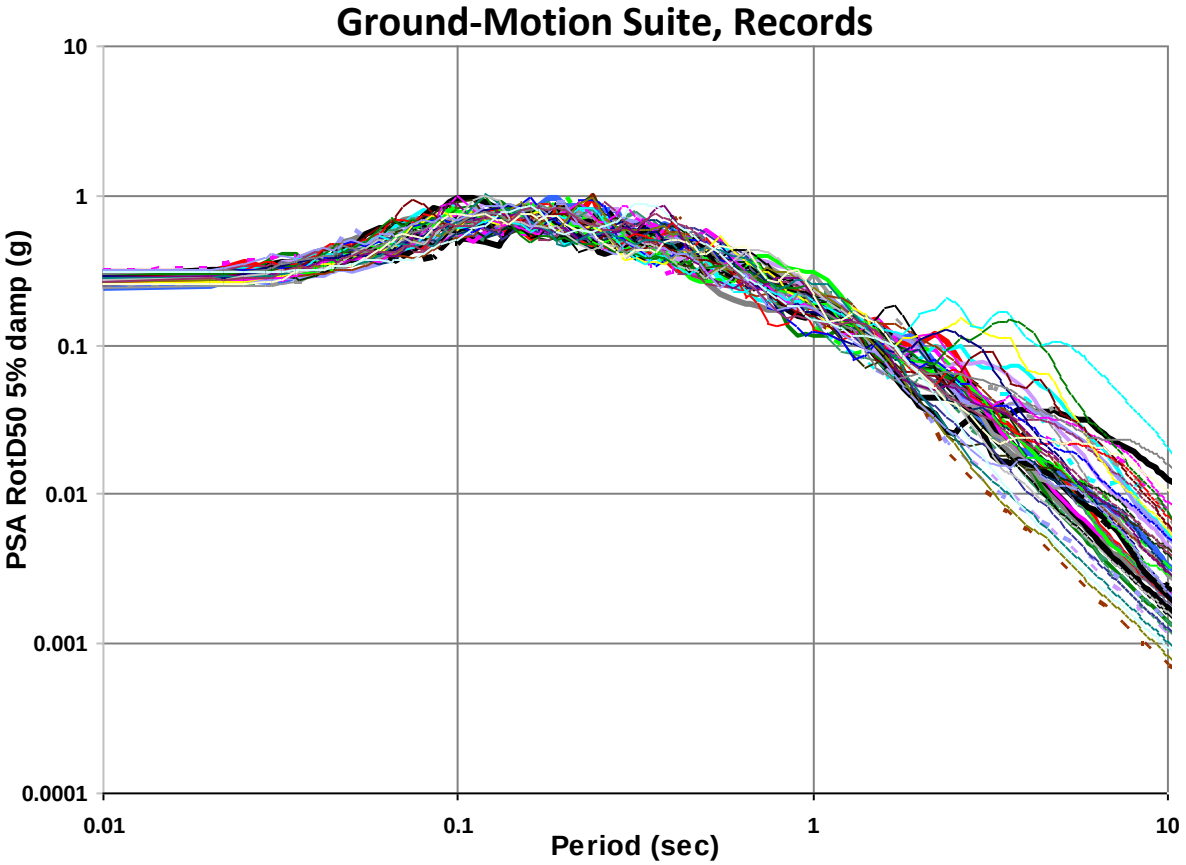
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.12	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	0.95	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.37	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	0.91	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	0.73	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
238	Mammoth Lakes-03 Long Valley Dam (L Abut) 1980	5.91	10	537.16	strike slip	4.2	2.06	RSN238_MAMMOTH.AH_A-LVL000.A RSN238_MAMMOTH.AH_A-LVL090.A RSN238_MAMMOTH.AH_A-LVL-UP.A
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	0.85	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	0.79	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.51	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	1.54	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.17	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	0.94	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2

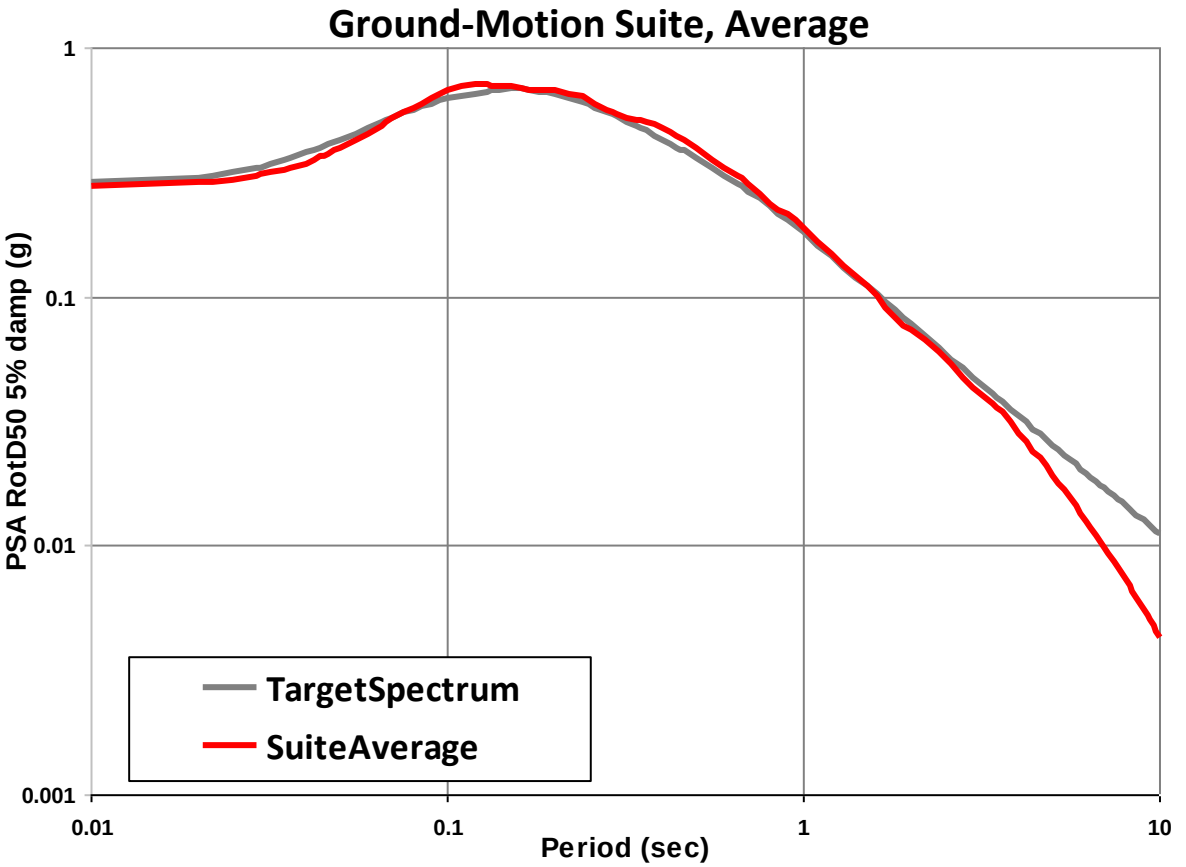
Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.46	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.54	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
891	Landers Silent Valley - Poppet Flat 1992	7.28	51	659.09	strike slip	20.9	3.56	RSN891_LANDERS_SIL000.AT2 RSN891_LANDERS_SIL090.AT2 RSN891_LANDERS_SIL-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.46	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1148	Kocaeli, Turkey Arcelik 1999	7.51	11	523	strike slip	6.3	1.03	RSN1148_KOCAELI_ARE000.AT2 RSN1148_KOCAELI_ARE090.AT2 RSN1148_KOCAELI_AREDWN.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	0.89	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	0.28	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
1836	Hector Mine Twentynine Palms 1999	7.13	42	635.01	strike slip	10.6	2.54	RSN1836_HECTOR_29P090.AT2 RSN1836_HECTOR_29P360.AT2 RSN1836_HECTOR_29P-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	0.99	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2946	Chi-Chi, Taiwan-05 CHY029 1999	6.2	54	544.74	Reverse	6.7	2.04	RSN2946_CHICHI.05_CHY029N.AT2 RSN2946_CHICHI.05_CHY029E.AT2 RSN2946_CHICHI.05_CHY029V.AT2
3180	Chi-Chi, Taiwan-05 TCU054 1999	6.2	45	460.69	Reverse	9.1	3.08	RSN3180_CHICHI.05_TCU054N.AT2 RSN3180_CHICHI.05_TCU054E.AT2 RSN3180_CHICHI.05_TCU054V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	1.8	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	1.24	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	1.43	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	0.91	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.35	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.06	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	0.62	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	1.44	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	1.36	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.49	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.31	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	0.89	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	2.1	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.3	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4489	L'Aquila, Italy Montereale 2009	6.3	16	421.13	Normal	7	2.77	RSN4489_L-AQUILA_BY048XTE.AT2 RSN4489_L-AQUILA_BY048YLN.AT2 RSN4489_L-AQUILA_BY048ZUP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	250							
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	1.75	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT
4550	L'Aquila (aftershock 2), Italy L'Aquila - V. Aterno - M. Pettino 2009	5.4	9	585.04	Normal	2.3	2.49	RSN4550_L-AQUILA.B_VO026XTE.AT RSN4550_L-AQUILA.B_VO026YLN.AT RSN4550_L-AQUILA.B_VO026ZUP.AT
5274	Chuetsu-oki NIG028 2007	6.8	15	430.71	Reverse	11.1	1.09	RSN5274_CHUETSU_NIG028NS.AT2 RSN5274_CHUETSU_NIG028EW.AT2 RSN5274_CHUETSU_NIG028UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.41	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	0.53	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.32	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	0.64	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	1.8	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	0.68	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	0.6	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8742	40204628 Santa Clara Co. Comm. Cntr., Santa C 2007	5.45	17	463.82	strike slip	3.5	2.61	RSN8742_40204628_BSCCBHLN.AT2 RSN8742_40204628_BSCCBHLE.AT2 RSN8742_40204628_BSCCBHLZ.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**500**

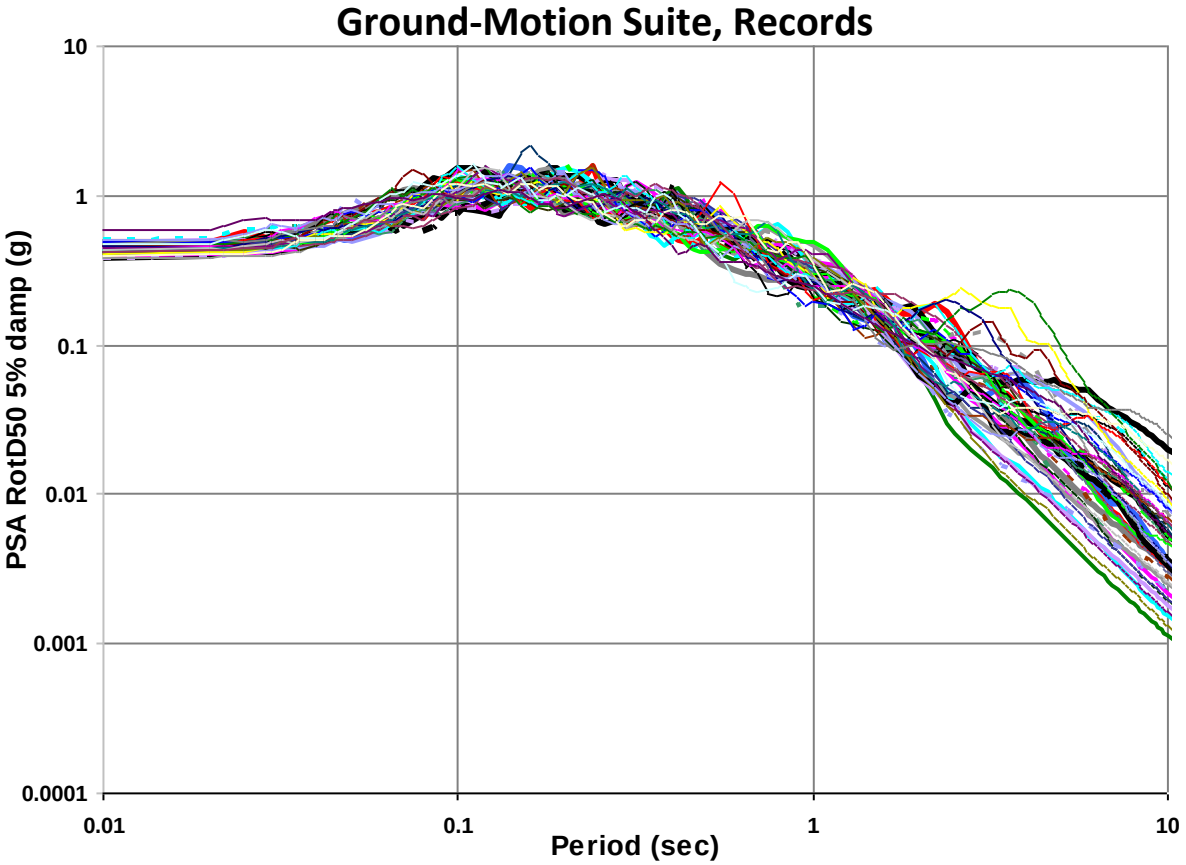
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	1.87	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	1.78	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	1.59	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.62	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	1.53	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.22	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
318	Westmorland Superstition Mtn Camera 1981	5.9	19	362.38	strike slip	3.7	3.17	RSN318_WESMORL_SUP045.AT2 RSN318_WESMORL_SUP135.AT2 RSN318_WESMORL_SUP-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	1.32	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.02	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	0.85	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
594	Whittier Narrows-01 Baldwin Park - N Holly 1987	5.99	4	544.68	Reverse O	4.3	2.56	RSN594_WHITTIER.A_A-NHO180.AT2 RSN594_WHITTIER.A_A-NHO270.AT2 RSN594_WHITTIER.A_A-NHO-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	1.96	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

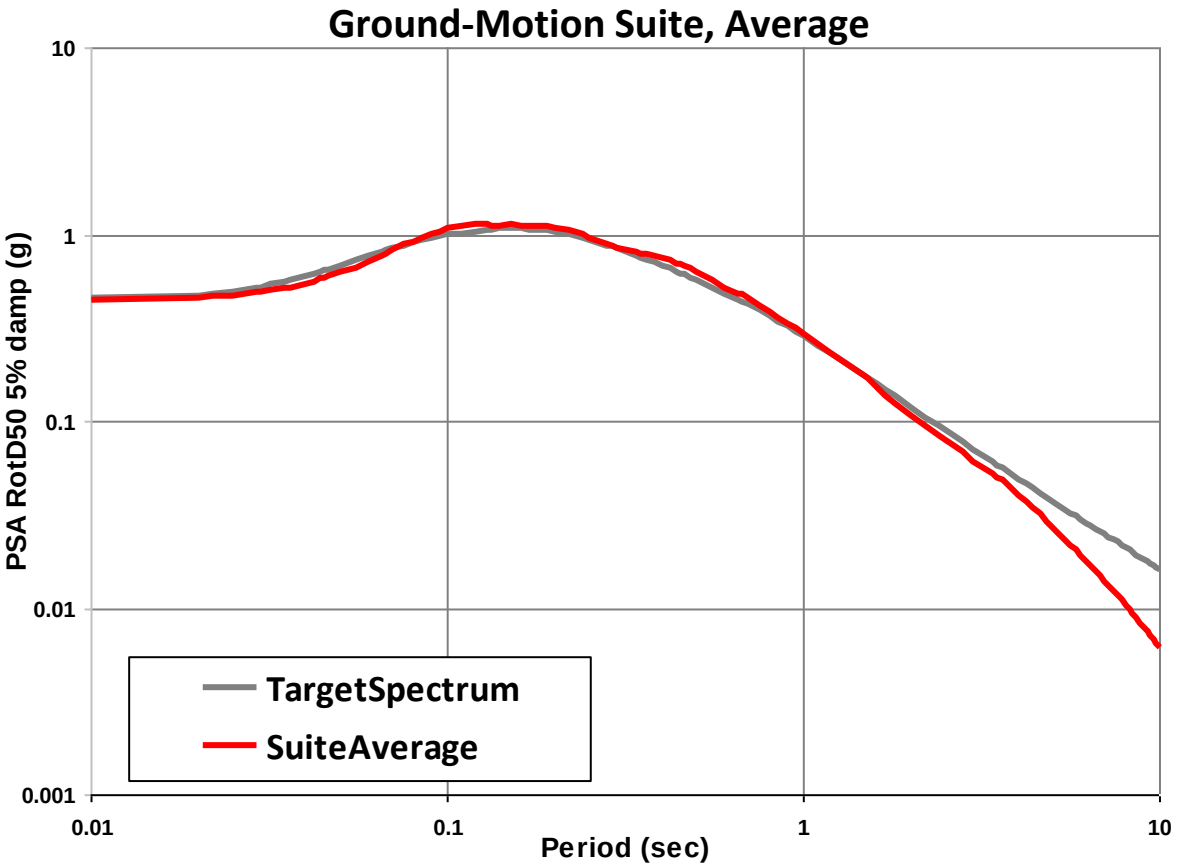
Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	1.56	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	0.77	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	0.9	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	0.77	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.39	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	1.49	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	1.64	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
2946	Chi-Chi, Taiwan-05 CHY029 1999	6.2	54	544.74	Reverse	6.7	3.4	RSN2946_CHICHI.05_CHY029N.AT2 RSN2946_CHICHI.05_CHY029E.AT2 RSN2946_CHICHI.05_CHY029V.AT2
3207	Chi-Chi, Taiwan-05 TCU107 1999	6.2	51	409	Reverse	10	2.79	RSN3207_CHICHI.05_TCU107N.AT2 RSN3207_CHICHI.05_TCU107E.AT2 RSN3207_CHICHI.05_TCU107V.AT2
3471	Chi-Chi, Taiwan-06 TCU075 1999	6.3	24	573.02	Reverse	9.9	3.01	RSN3471_CHICHI.06_TCU075N.AT2 RSN3471_CHICHI.06_TCU075E.AT2 RSN3471_CHICHI.06_TCU075V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	2.06	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	2.38	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.59	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	1.99	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	1.78	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.04	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	2.4	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	2.28	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	0.81	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.44	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.52	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	0.74	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	1.48	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4472	L'Aquila, Italy Celano 2009	6.3	18	612.78	Normal	3.2	3.5	RSN4472_L-AQUILA_TK003XTE.AT2 RSN4472_L-AQUILA_TK003YLN.AT2 RSN4472_L-AQUILA_TK003ZUP.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.49	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4513	L'Aquila (aftershock 1), Italy L'Aquila - Parking 2009	5.6	5	717	Normal O	3.7	2.92	RSN4513_L-AQUILA.A_AM383XTE.AT RSN4513_L-AQUILA.A_AM383YLN.AT RSN4513_L-AQUILA.A_AM383ZUP.AT

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	500							
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	0.77	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	0.68	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	1.41	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.54	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.07	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5760	Iwate YMT017 2008	6.9	35	410.57	Reverse	9.6	3	RSN5760_IWATE_YMT017NS.AT2 RSN5760_IWATE_YMT017EW.AT2 RSN5760_IWATE_YMT017UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	1.42	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.11	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.13	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8861	14383980 Serrano 2008	5.39	12	440.67	Reverse O	2.6	3.67	RSN8861_14383980_CISRNHNN.AT2 RSN8861_14383980_CISRNHNE.AT2 RSN8861_14383980_CISRNHNZ.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**1000**

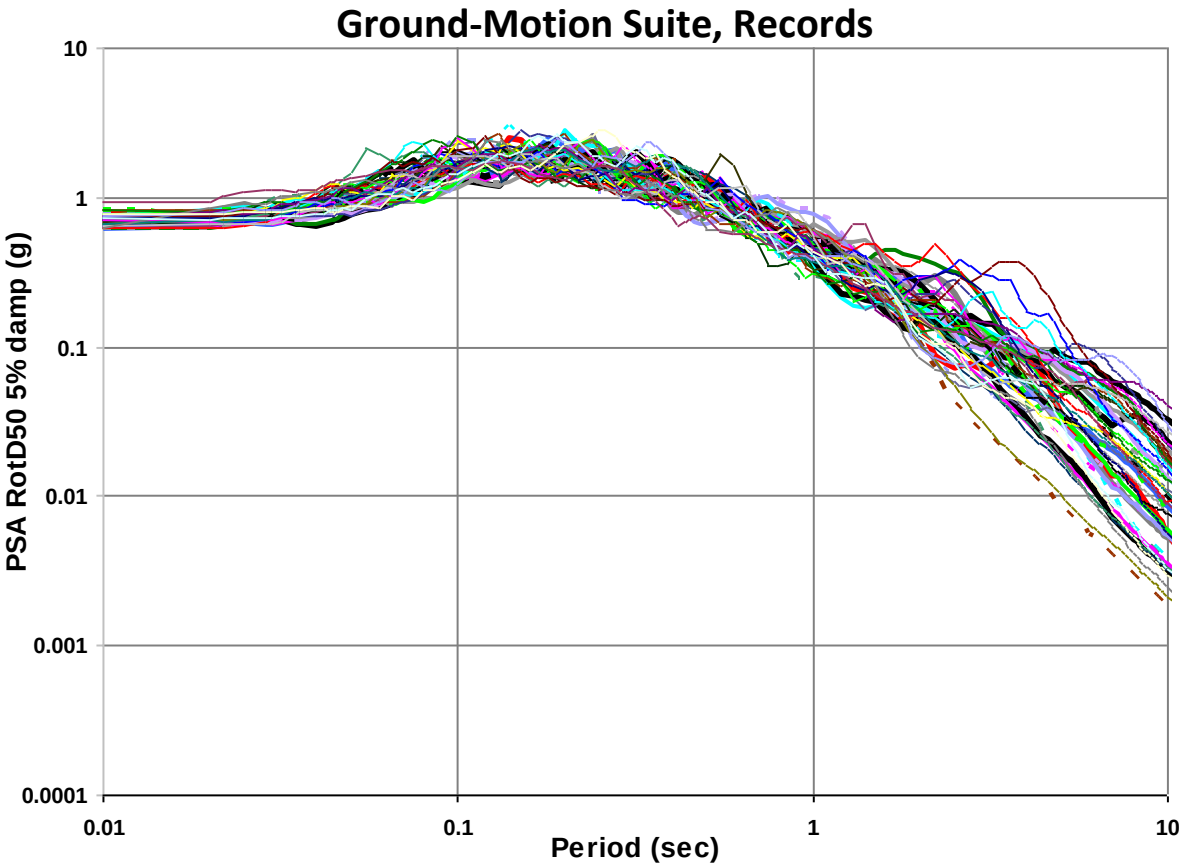
RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
1	Helena, Montana-01 Carroll College 1935	6	2	593.35	strike slip	1.2	2.96	RSN1_HELENA.A_A-HMC180.AT2 RSN1_HELENA.A_A-HMC270.AT2 RSN1_HELENA.A_A-HMCDWN.AT2
72	San Fernando Lake Hughes #4 1971	6.61	19	600.06	Reverse	3.9	2.82	RSN72_SFERN_L04111.AT2 RSN72_SFERN_L04201.AT2 RSN72_SFERN_L04DWN.AT2
156	Norcia, Italy Cascia 1979	5.9	1	585.04	Normal	2.5	2.52	RSN156_ITALY_F-CSC-NS.AT2 RSN156_ITALY_F-CSC-EW.AT2 RSN156_ITALY_F-CSC-UP.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	0.99	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	2.42	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	1.94	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
246	Mammoth Lakes-06 Benton 1980	5.94	42	370.94	strike slip	3.6	3.22	RSN246_MAMMOTH.L_L-BEN270.AT RSN246_MAMMOTH.L_L-BEN360.AT RSN246_MAMMOTH.L_L-BEN-UP.AT
321	Mammoth Lakes-11 Convict Creek 1983	5.31	7	382.12	strike slip	2.8	3.74	RSN321_MAMMOTH.AH_G-CVK090.A RSN321_MAMMOTH.AH_G-CVK180.A RSN321_MAMMOTH.AH_G-CVK-UP.A
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	2.1	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	1.62	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	1.34	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
632	Whittier Narrows-01 LA - Cypress Ave 1987	5.99	9	366.71	Reverse O	3	3.1	RSN632_WHITTIER.A_A-CYP053.AT2 RSN632_WHITTIER.A_A-CYP143.AT2 RSN632_WHITTIER.A_A-CYP-UP.AT2

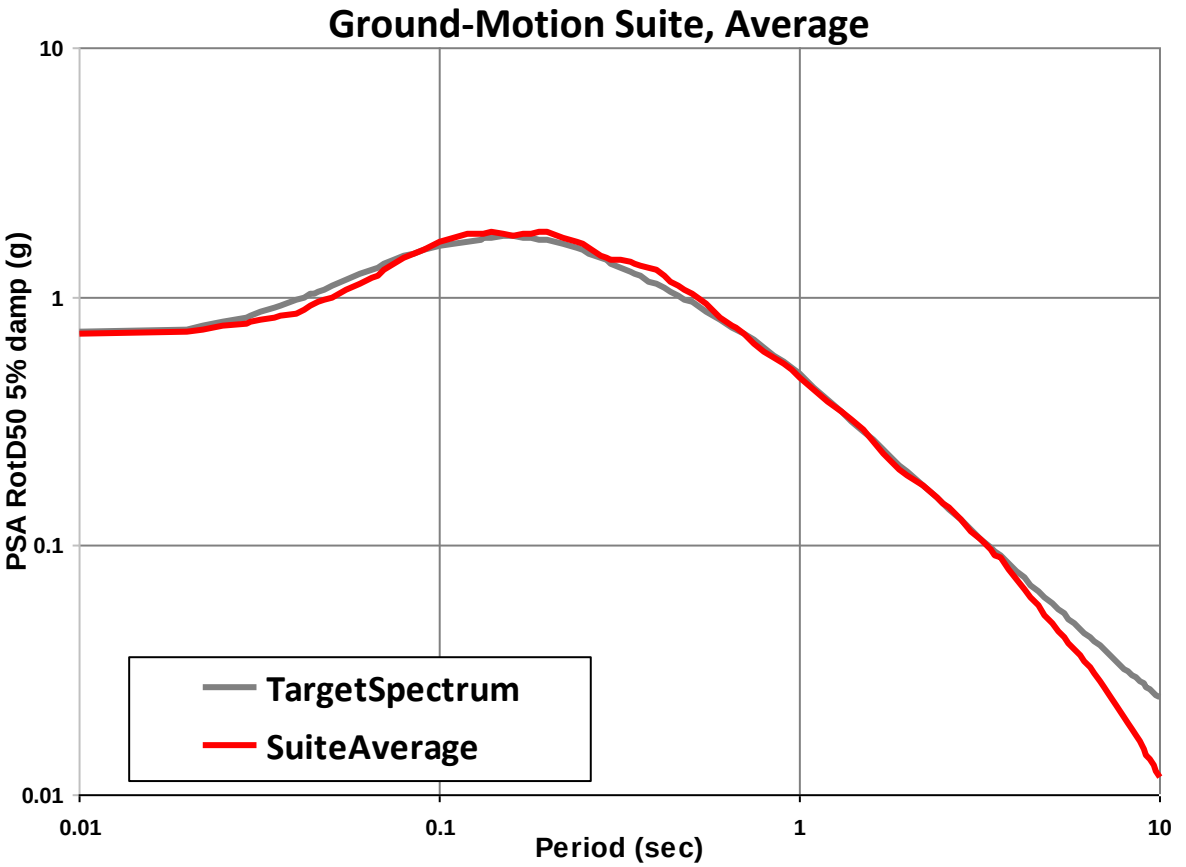
Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
691	Whittier Narrows-01 San Marino - SW Academy 1987	5.99	2	379.43	Reverse O	2.9	2.48	RSN691_WHITTIER.A_A-SMA270.AT2 RSN691_WHITTIER.A_A-SMA360.AT2 RSN691_WHITTIER.A_A-SMA-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.23	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	1.43	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.41	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.22	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	2.32	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.61	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	2.37	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
2619	Chi-Chi, Taiwan-03 TCU067 1999	6.2	28	433.63	Reverse	5.2	2.61	RSN2619_CHICHI.03_TCU067N.AT2 RSN2619_CHICHI.03_TCU067E.AT2 RSN2619_CHICHI.03_TCU067V.AT2
3472	Chi-Chi, Taiwan-06 TCU076 1999	6.3	24	614.98	Reverse	7.7	3.27	RSN3472_CHICHI.06_TCU076N.AT2 RSN3472_CHICHI.06_TCU076E.AT2 RSN3472_CHICHI.06_TCU076V.AT2
3734	Whittier Narrows-02 San Gabriel - E Grand Ave 1987	5.27	1	401.37	Reverse O	3.1	3.77	RSN3734_WHITTIER.B_B-GRN180.AT RSN3734_WHITTIER.B_B-GRN270.AT RSN3734_WHITTIER.B_B-GRN-UP.AT
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	2.41	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	0.94	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4069	Parkfield-02, CA PARKFIELD - JACK CANYON 2004	6	9	576.21	strike slip	4.6	3.16	RSN4069_PARK2004_JACK-90.AT2 RSN4069_PARK2004_JACK360.AT2 RSN4069_PARK2004_JACK-UP.AT2
4096	Parkfield-02, CA Bear Valley Ranch, Parkfield, CA, US 2004	6	3	527.95	strike slip	2.3	2.81	RSN4096_PARK2004_61022-90.AT2 RSN4096_PARK2004_61022360.AT2 RSN4096_PARK2004_61022-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	1.65	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2
4135	Parkfield-02, CA Parkfield - Vineyard Cany 4W 2004	6	7	386.19	strike slip	3.1	3.81	RSN4135_PARK2004_VC4090.AT2 RSN4135_PARK2004_VC4360.AT2 RSN4135_PARK2004_VC4-UP.AT2
4137	Parkfield-02, CA Parkfield - Vineyard Cany 6W 2004	6	13	392.24	strike slip	4.6	3.61	RSN4137_PARK2004_VC6090.AT2 RSN4137_PARK2004_VC6360.AT2 RSN4137_PARK2004_VC6-UP.AT2
4193	Niigata, Japan NGNH29 2004	6.63	45	464.92	Reverse	8.4	3.83	RSN4193_NIIGATA_NGNH29NS.AT2 RSN4193_NIIGATA_NGNH29EW.AT2 RSN4193_NIIGATA_NGNH29UD.AT2
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	1.29	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	0.7	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	0.82	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.18	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	2.35	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	0.78	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.22	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	1000							
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.07	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.07	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	2.23	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	0.86	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.33	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	1.69	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	2.25	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	1.76	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	1.79	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6878	Joshua Tree, CA North Palm Springs Fire Sta #36 1992	6.1	21	367.84	strike slip	4.5	2.7	RSN6878_JOSHUA_5295180.AT2 RSN6878_JOSHUA_5295090.AT2 RSN6878_JOSHUA_5295_UP.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	1.59	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8110	Christchurch, New Zealand MQZ 2011	6.2	14	649.67	Reverse O	3.1	3.92	RSN8110_CCHURCH_MQZE.AT2 RSN8110_CCHURCH_MQZN.AT2 RSN8110_CCHURCH_MQZUP.AT2

Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**





Site	**10 SanDiego**
Site Vs30 (m/s)	**760**
Return Period (yr)	**2500**

RSN	Earthquake Name, Station Name, Earthquake Year	EQ Mag	JB Dist (km)	Station Vs30 (m/s)	Mechanism	Duration* (sec)	SF	Filenames: H1, H2, V
139	Tabas, Iran Dayhook 1978	7.35	0	471.53	Reverse	6.7	1.94	RSN139_TABAS_DAY-L1.AT2 RSN139_TABAS_DAY-T1.AT2 RSN139_TABAS_DAY-V1.AT2
230	Mammoth Lakes-01 Convict Creek 1980	6.06	1	382.12	Normal O	6.9	1.59	RSN230_MAMMOTH.I_I-CVK090.AT2 RSN230_MAMMOTH.I_I-CVK180.AT2 RSN230_MAMMOTH.I_I-CVK-UP.AT2
233	Mammoth Lakes-02 Convict Creek 1980	5.69	3	382.12	strike slip	2.6	3.89	RSN233_MAMMOTH.J_J-CVK090.AT2 RSN233_MAMMOTH.J_J-CVK180.AT2 RSN233_MAMMOTH.J_J-CVK-UP.AT2
236	Mammoth Lakes-03 Convict Creek 1980	5.91	3	382.12	strike slip	2.4	3.12	RSN236_MAMMOTH.AH_A-CVK090.A RSN236_MAMMOTH.AH_A-CVK180.A RSN236_MAMMOTH.AH_A-CVK-UP.A
288	Irpinia, Italy-01 Brienza 1980	6.9	23	561.04	Normal	4.8	3.48	RSN288_ITALY_A-BRZ000.AT2 RSN288_ITALY_A-BRZ270.AT2 RSN288_ITALY_A-BRZ-UP.AT2
408	Coalinga-05 Oil Fields Fire Station - FF 1983	5.77	6	474.15	Reverse	3.6	3.61	RSN408_COALINGA_D-OLF270.AT2 RSN408_COALINGA_D-OLF360.AT2 RSN408_COALINGA_D-OLF-UP.AT2
409	Coalinga-05 Oil Fields Fire Station - Pad 1983	5.77	6	474.15	Reverse	3.6	3.37	RSN409_COALINGA_D-OLP270.AT2 RSN409_COALINGA_D-OLP360.AT2 RSN409_COALINGA_D-OLP-UP.AT2
410	Coalinga-05 Palmer Ave 1983	5.77	8	458.09	Reverse	1.8	2.61	RSN410_COALINGA_D-PLM270.AT2 RSN410_COALINGA_D-PLM360.AT2 RSN410_COALINGA_D-PLM-UP.AT2
589	Whittier Narrows-01 Alhambra - Fremont School 1987	5.99	2	549.75	Reverse O	2.1	2.16	RSN589_WHITTIER.A_A-ALH180.AT2 RSN589_WHITTIER.A_A-ALH270.AT2 RSN589_WHITTIER.A_A-ALH-UP.AT2
763	Loma Prieta Gilroy - Gavilan Coll. 1989	6.93	9	729.65	Reverse O	1.5	1.97	RSN763_LOMAP_GIL067.AT2 RSN763_LOMAP_GIL337.AT2 RSN763_LOMAP_GIL-UP.AT2
801	Loma Prieta San Jose - Santa Teresa Hills 1989	6.93	14	671.77	Reverse O	6.3	2.3	RSN801_LOMAP_SJTE225.AT2 RSN801_LOMAP_SJTE315.AT2 RSN801_LOMAP_SJTE-UP.AT2
811	Loma Prieta WAHO 1989	6.93	11	388.33	Reverse O	7	1.15	RSN811_LOMAP_WAH000.AT2 RSN811_LOMAP_WAH090.AT2 RSN811_LOMAP_WAH-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
825	Cape Mendocino Cape Mendocino 1992	7.01	0	567.78	Reverse	2.7	0.66	RSN825_CAPEMEND_CPM000.AT2 RSN825_CAPEMEND_CPM090.AT2 RSN825_CAPEMEND_CPM-UP.AT2
952	Northridge-01 Beverly Hills - 12520 Mulhol 1994	6.69	12	545.66	Reverse	4.9	1.44	RSN952_NORTHR_MU2035.AT2 RSN952_NORTHR_MU2125.AT2 RSN952_NORTHR_MU2-UP.AT2
990	Northridge-01 LA - City Terrace 1994	6.69	35	365.22	Reverse	6	2.63	RSN990_NORTHR_LAC090.AT2 RSN990_NORTHR_LAC180.AT2 RSN990_NORTHR_LAC-UP.AT2
1006	Northridge-01 LA - UCLA Grounds 1994	6.69	14	398.42	Reverse	5.5	1.96	RSN1006_NORTHR_UCL090.AT2 RSN1006_NORTHR_UCL360.AT2 RSN1006_NORTHR_UCL-UP.AT2
1070	Northridge-01 San Gabriel - E Grand Ave 1994	6.69	39	401.37	Reverse	6.4	3.73	RSN1070_NORTHR_GRN180.AT2 RSN1070_NORTHR_GRN270.AT2 RSN1070_NORTHR_GRN-UP.AT2
1549	Chi-Chi, Taiwan TCU129 1999	7.62	2	511.18	Reverse O	16.6	0.99	RSN1549_CHICHI_TCU129-E.AT2 RSN1549_CHICHI_TCU129-N.AT2 RSN1549_CHICHI_TCU129-V.AT2
1631	Upland Pomona - 4th & Locust FF 1990	5.63	7	384.44	strike slip	2.5	3.81	RSN1631_UPLAND_PMN000.AT2 RSN1631_UPLAND_PMN090.AT2 RSN1631_UPLAND_PMN-UP.AT2
1633	Manjil, Iran Abbar 1990	7.37	13	723.95	strike slip	9	1.18	RSN1633_MANJIL_ABBAR--L.AT2 RSN1633_MANJIL_ABBAR--T.AT2 RSN1633_MANJIL_ABBAR--V.AT2
2629	Chi-Chi, Taiwan-03 TCU079 1999	6.2	0	363.99	Reverse	3.1	2.34	RSN2629_CHICHI.03_TCU079N.AT2 RSN2629_CHICHI.03_TCU079E.AT2 RSN2629_CHICHI.03_TCU079V.AT2
3943	Tottori, Japan SMN015 2000	6.61	9	616.55	strike slip	3.5	3.12	RSN3943_TOTTORI_SMN015NS.AT2 RSN3943_TOTTORI_SMN015EW.AT2 RSN3943_TOTTORI_SMN015UD.AT2
3979	San Simeon, CA Cambria - Hwy 1 Caltrans Bridge 2003	6.52	7	362.42	Reverse	6.3	3.88	RSN3979_SANSIMEO_37737090.AT2 RSN3979_SANSIMEO_37737360.AT2 RSN3979_SANSIMEO_37737-UP.AT2
4031	San Simeon, CA Templeton - 1-story Hospital 2003	6.52	5	410.66	Reverse	3.1	1.5	RSN4031_SANSIMEO_36695090.AT2 RSN4031_SANSIMEO_36695360.AT2 RSN4031_SANSIMEO_36695-UP.AT2
4132	Parkfield-02, CA Parkfield - Vineyard Cany 2E 2004	6	4	467.76	strike slip	2.7	2.65	RSN4132_PARK2004_PGD090.AT2 RSN4132_PARK2004_PGD360.AT2 RSN4132_PARK2004_PGD-UP.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
4213	Niigata, Japan NIG023 2004	6.63	25	654.76	Reverse	1.9	2.07	RSN4213_NIIGATA_NIG023NS.AT2 RSN4213_NIIGATA_NIG023EW.AT2 RSN4213_NIIGATA_NIG023UD.AT2
4218	Niigata, Japan NIG028 2004	6.63	0	430.71	Reverse	3.5	1.12	RSN4218_NIIGATA_NIG028NS.AT2 RSN4218_NIIGATA_NIG028EW.AT2 RSN4218_NIIGATA_NIG028UD.AT2
4228	Niigata, Japan NIGH11 2004	6.63	6	375	Reverse	3.1	1.32	RSN4228_NIIGATA_NIGH11NS.AT2 RSN4228_NIIGATA_NIGH11EW.AT2 RSN4228_NIIGATA_NIGH11UD.AT2
4229	Niigata, Japan NIGH12 2004	6.63	10	564.25	Reverse	5	1.9	RSN4229_NIIGATA_NIGH12NS.AT2 RSN4229_NIIGATA_NIGH12EW.AT2 RSN4229_NIIGATA_NIGH12UD.AT2
4442	Friuli (aftershock 13), Italy San Rocco 1976	5.9	-999	649.67	Reverse	2	3.78	RSN4442_FRIULI.P1_Z-SRO-NS.AT2 RSN4442_FRIULI.P1_Z-SRO-WE.AT2 RSN4442_FRIULI.P1_Z-SRO-VT.AT2
4480	L'Aquila, Italy L'Aquila - V. Aterno - Centro Valle 2009	6.3	0	475	Normal	4.4	1.26	RSN4480_L-AQUILA_GX066XTE.AT2 RSN4480_L-AQUILA_GX066YLN.AT2 RSN4480_L-AQUILA_GX066ZUP.AT2
4482	L'Aquila, Italy L'Aquila - V. Aterno -F. Aterno 2009	6.3	0	552	Normal	4	1.56	RSN4482_L-AQUILA_CU104XTE.AT2 RSN4482_L-AQUILA_CU104YLN.AT2 RSN4482_L-AQUILA_CU104ZUP.AT2
4740	Wenchuan, China Maoxiandiban 2008	7.9	2	638.39	Reverse O	21.5	1.96	RSN4740_WENCHUAN_UA0851.AT2 RSN4740_WENCHUAN_UA0850.AT2 RSN4740_WENCHUAN_UA0852.AT2
4742	Wenchuan, China Maoxiannanxin 2008	7.9	1	429.97	Reverse O	25.9	1.72	RSN4742_WENCHUAN_UA0857.AT2 RSN4742_WENCHUAN_UA0856.AT2 RSN4742_WENCHUAN_UA0858.AT2
4852	Chuetsu-oki Joetsu, Aramaki District 2007	6.8	30	605.71	Reverse	3.7	3.48	RSN4852_CHUETSU_65018NS.AT2 RSN4852_CHUETSU_65018EW.AT2 RSN4852_CHUETSU_65018UD.AT2
4869	Chuetsu-oki Kawaguchi 2007	6.8	24	640.14	Reverse	8.7	3.88	RSN4869_CHUETSU_65042NS.AT2 RSN4869_CHUETSU_65042EW.AT2 RSN4869_CHUETSU_65042UD.AT2
4882	Chuetsu-oki Ojiya City 2007	6.8	16	430.16	Reverse	7.1	2.36	RSN4882_CHUETSU_65321NS.AT2 RSN4882_CHUETSU_65321EW.AT2 RSN4882_CHUETSU_65321UD.AT2
5478	Iwate AKT023 2008	6.9	12	555.96	Reverse	6.7	1.73	RSN5478_IWATE_AKT023NS.AT2 RSN5478_IWATE_AKT023EW.AT2 RSN5478_IWATE_AKT023UD.AT2

Site	10 SanDiego							
Site Vs30 (m/s)	760							
Return Period (yr)	2500							
5618	Iwate IWT010 2008	6.9	16	825.83	Reverse	8.5	2.24	RSN5618_IWATE_IWT010NS.AT2 RSN5618_IWATE_IWT010EW.AT2 RSN5618_IWATE_IWT010UD.AT2
5623	Iwate IWT015 2008	6.9	17	567.45	Reverse	6.2	3.59	RSN5623_IWATE_IWT015NS.AT2 RSN5623_IWATE_IWT015EW.AT2 RSN5623_IWATE_IWT015UD.AT2
5656	Iwate IWTH24 2008	6.9	3	486.41	Reverse	8	1.38	RSN5656_IWATE_IWTH24NS.AT2 RSN5656_IWATE_IWTH24EW.AT2 RSN5656_IWATE_IWTH24UD.AT2
5657	Iwate IWTH25 2008	6.9	0	506.44	Reverse	6.9	0.53	RSN5657_IWATE_IWTH25NS.AT2 RSN5657_IWATE_IWTH25EW.AT2 RSN5657_IWATE_IWTH25UD.AT2
5678	Iwate MYGH02 2008	6.9	5	398.59	Reverse	3.7	2.72	RSN5678_IWATE_MYGH02NS.AT2 RSN5678_IWATE_MYGH02EW.AT2 RSN5678_IWATE_MYGH02UD.AT2
5773	Iwate Miyagi Great Village 2008	6.9	41	531.25	Reverse	8.9	3.62	RSN5773_IWATE_54007NS.AT2 RSN5773_IWATE_54007EW.AT2 RSN5773_IWATE_54007UD.AT2
5775	Iwate Tamati Ono 2008	6.9	29	561.59	Reverse	8	2.83	RSN5775_IWATE_54009NS.AT2 RSN5775_IWATE_54009EW.AT2 RSN5775_IWATE_54009UD.AT2
5804	Iwate Yamauchi Tsuchibuchi Yokote 2008	6.9	26	561.59	Reverse	6.8	2.83	RSN5804_IWATE_55446NS.AT2 RSN5804_IWATE_55446EW.AT2 RSN5804_IWATE_55446UD.AT2
5809	Iwate Minase Yuzawa 2008	6.9	17	655.45	Reverse	7.6	2.88	RSN5809_IWATE_55465NS.AT2 RSN5809_IWATE_55465EW.AT2 RSN5809_IWATE_55465UD.AT2
6928	Darfield, New Zealand LPCC 2010	7	25	649.67	strike slip	7.5	2.55	RSN6928_DARFIELD_LPCCN80E.AT2 RSN6928_DARFIELD_LPCCS10E.AT2 RSN6928_DARFIELD_LPCCUP.AT2
8166	Duzce, Turkey IRIGM 498 1999	7.14	4	425	strike slip	999	2.03	RSN8166_DUZCE_498-NS.AT2 RSN8166_DUZCE_498-EW.AT2 RSN8166_DUZCE_498-UP.AT2