

MAGNITUDE FROM 4 TO 5, DISTANCE FROM 10 TO 20 KM

Earthquake Name	Year	Station Name	Magnitude	Mechanism	Rjb (km)	Rrup (km)
Oroville-02	1975	Oroville Airport	4,79	Normal	13,55	14,07
Oroville-02	1975	Up & Down Cafe (OR1)	4,79	Normal	12,07	12,65
Oroville-04	1975	Oroville Airport	4,37	Normal Oblique	13,37	14,36
Oroville-04	1975	Up & Down Cafe (OR1)	4,37	Normal Oblique	11	12,18
Oroville-03	1975	Up & Down Cafe (OR1)	4,7	Normal	10,2	12,79
Mammoth Lakes-09	1980	Hot Creek (HCF)	4,85	strike slip	10,23	12,01
Mammoth Lakes-09	1980	Long Valley Fire Sta	4,85	strike slip	10,96	12,64
Anza-02	2001	Anza - Pinyon Flat	4,92	Normal Oblique	10,98	16,82
Anza-02	2001	Anza Fire Station	4,92	Normal Oblique	14,94	20,04
Anza-02	2001	Idyllwild - Kenworthy Fire Sta.	4,92	Normal Oblique	15,26	20,34
Anza-02	2001	Mountain Center - Pine Mtn Rnch	4,92	Normal Oblique	10,21	16,64
Gilroy	2002	Gilroy Array #6	4,9	strike slip	11,69	14,39
Gilroy	2002	Hollister - Airport Bldg #3	4,9	strike slip	18,46	20,11
Gilroy	2002	Morgan Hill - El Toro Fire Sta	4,9	strike slip	18,91	20,74
Gilroy	2002	San Juan Bautista_ 24 Polk St	4,9	strike slip	12,19	14,51
Yorba Linda	2002	Anaheim - Brookhurst & Crescent	4,265	strike slip	18,17	19,14
Yorba Linda	2002	Brea - Central Ave Caltrans Yard	4,265	strike slip	10,93	12,48
Yorba Linda	2002	Corona - 6th & Smith	4,265	strike slip	17,3	18,35
Yorba Linda	2002	Corona - Green River & Cyn Crest	4,265	strike slip	13,6	14,91
Yorba Linda	2002	Fullerton - CSU Fullerton Grnds	4,265	strike slip	10,08	11,74
Yorba Linda	2002	Fullerton - Hermosa & Harbor	4,265	strike slip	13,82	15,07
Yorba Linda	2002	Fullerton - Valencia&Brookhurst	4,265	strike slip	17,18	18,21
Yorba Linda	2002	La Habra - La Habra&Monte Vista	4,265	strike slip	16,28	17,35
Yountville	2000	Napa - Napa College	5	strike slip	15,45	17,29
Ancona-01_ Italy	1972	Genio-Civile	4	Normal	11,58	14,9
Ancona-03_ Italy	1972	Genio-Civile	4,4	Normal	15,43	16,97
Ancona-04_ Italy	1972	Genio-Civile	4,1	Normal	11,96	15,28
Ancona-05_ Italy	1972	Genio-Civile	4,3	Normal	13,59	16,43
Ancona-06_ Italy	1972	Genio-Civile	4,3	Normal	10,13	11,18
Ancona-09_ Italy	1972	Ancona-Palombina	4,7	strike slip	11,58	13,16
Campano Lucano (aftershock 9)_ Italy	1980	Bagnoli Irpinio	4,9	Normal	17,15	23,82

Campano Lucano (aftershock 6)_ Italy	1981	Cairano 2	4	Normal	11,93	12,67
Campano Lucano (aftershock 6)_ Italy	1981	Cairano 4	4	Normal	13,88	14,53
Campano Lucano (aftershock 6)_ Italy	1981	Conza-Base	4	Normal	13,69	14,34
Campano Lucano (aftershock 6)_ Italy	1981	Conza - Vetta	4	Normal	14,13	14,77
Campano Lucano (aftershock 8)_ Italy	1981	Arienzo	4,9	Normal	15,63	17,99
Umbria Marche (aftershock 7)_ Italy	1997	Nocera Umbra	4,3	Normal	14,49	17,12
Umbria Marche (aftershock 7)_ Italy	1997	Nocera Umbra-Biscontini	4,3	Normal	13,58	16,36
Umbria Marche (aftershock 10)_ Italy	1997	Colfiorito-Casermette	4,3	Normal	10,69	14,17
Umbria Marche (aftershock 11)_ Italy	1997	Nocera Umbra 2	4,3	strike slip	11,78	11,81
Umbria Marche (aftershock 15)_ Italy	1998	Nocera Umbra 2	5	Normal	17,65	19,42

MAGNITUDE FROM 4 TO 5, DISTANCE FROM 20 TO 30 KM

Earthquake Name	Year	Station Name	Magnitude	Mechanism	Rjb (km)	Rrup (km)
"Yountville"	2000	"Petaluma Fire Station"	5	strike slip	24,77	25,95
"Yountville"	2000	"Petaluma Fire Station #1"	5	strike slip	25,14	26,32
"Yountville"	2000	"Santa Rosa Fire Station #1"	5	strike slip	24,78	25,97
"Big Bear-02"	2001	"Forest Falls Post Office"	4,53	strike slip	21,77	23,16
"Big Bear-02"	2001	"Highland Fire Station"	4,53	strike slip	29,14	30,19
"Big Bear-02"	2001	"Mentone Fire Station #9"	4,53	strike slip	28,42	29,5
"Big Bear-02"	2001	"Mill Creek Ranger Station"	4,53	strike slip	24,21	25,47
"Big Bear-02"	2001	"San Bernardino - Serrano School"	4,53	strike slip	29,05	30,1
"Big Bear-02"	2001	"Seven Oaks Dam Downstream Surf."	4,53	strike slip	23,49	24,78
"Big Bear-02"	2001	"Seven Oaks Dam Right Abt."	4,53	strike slip	23,49	24,78
"Anza-02"	2001	"Anza - Tripp Flats Training"	4,92	Normal Oblique	24,04	27,77
"Anza-02"	2001	"Hurkey Creek Park"	4,92	Normal Oblique	23,86	27,64
"Anza-02"	2001	"Idyllwild - Keenwild Fire Sta."	4,92	Normal Oblique	28,79	32,12
"Anza-02"	2001	"Indian Wells - Hwy111 & El Dorad"	4,92	Normal Oblique	27,54	30,4
"Anza-02"	2001	"La Quinta - Bermudas & Durango"	4,92	Normal Oblique	25,48	28,37
"Anza-02"	2001	"Palm Desert - Country Club & Por"	4,92	Normal Oblique	29,3	32,13
"Gilroy"	2002	"Hollister - City Hall Annex"	4,9	strike slip	20,93	22,36
"Gilroy"	2002	"Hollister - South & Pine"	4,9	strike slip	21,48	22,88
"Gilroy"	2002	"Salinas - County Hospital Gnds"	4,9	strike slip	29,63	30,66
"Big Bear City"	2003	"Forest Falls Post Office"	4,92	strike slip	24,5	25,53

"Yountville"	2000	"Rohnert Park - Hwy 101 Geo Array"	5	strike slip	25,46	26,62
"Campano Lucano (aftershock 9)_ Italy"	1980	"Sturno (STN)"	4,9	Normal	23,63	28,68
"Campano Lucano (aftershock 2)_ Italy"	1980	"Procisa Nuova"	4	Normal	25,87	40,57
"Umbria Marche (aftershock 12)_ Italy"	1997	"Nocera Umbra 2"	4,6	Normal	25,75	27,15
"Umbria Marche (aftershock 13)_ Italy"	1997	"Colfiorito-Casermette"	4,9	Normal	20,06	20,06
"Yorba Linda"	2002	"Riverside - Hole & La Sierra"	4,265	strike slip	26,21	26,93
"Yorba Linda"	2002	"Riverside - Limonite & Downey"	4,265	strike slip	27,03	27,72
"Yorba Linda"	2002	"Santa Fe Springs - Carmenita"	4,265	strike slip	24,75	25,48
"Yorba Linda"	2002	"Santa Fe Springs - Dice & Slauson"	4,265	strike slip	26,86	27,53
"Yorba Linda"	2002	'Hawaiian Gardens - 212th & Norwalk Blvd	4,265	strike slip	28,2	28,84
"Yorba Linda"	2002	"Downey - Florence & I605"	4,265	strike slip	29,48	30,09
"Yorba Linda"	2002	"Whittier - Scott & Whittier"	4,265	strike slip	20,63	21,49
"Yorba Linda"	2002	"La Verne - Wheeler & Ruggles"	4,265	strike slip	22,55	23,34
"Yorba Linda"	2002	"Upland - 13th & Benson"	4,265	strike slip	22,71	23,5
"Yorba Linda"	2002	"Mira Loma - Mission&San Sevaine"	4,265	strike slip	26,15	26,85
"Yorba Linda"	2002	"West Covina - I10 & Pacific Ave"	4,265	strike slip	22,69	23,47
"Yorba Linda"	2002	"La Puente - Amar & Hacienda"	4,265	strike slip	20,71	21,57
"Yorba Linda"	2002	"Ontario - I10 & 4th"	4,265	strike slip	22,14	22,95
"Yorba Linda"	2002	"Claremont - Hwy 30 & Towne"	4,265	strike slip	22,32	23,12
"Yorba Linda"	2002	"Pico Rivera - Durfee & Whittier"	4,265	strike slip	29,15	29,77
"Anza-02"	2001	"Borrego Springs"	4,92	Normal Oblique	27,11	29,84

MAGNITUDE FROM 5 TO 6, DISTANCE FROM 10 TO 20 KM

Earthquake Name	Year	Station Name	Magnitude	Mechanism	Rjb (km)	Rrup (km)
"Imperial Valley-04"	1953	"El Centro Array #9"	5,5	strike slip	15,11	15,64
"Imperial Valley-05"	1955	"El Centro Array #9"	5,4	strike slip	13,78	14,88
"Hollister-01"	1961	"Hollister City Hall"	5,6	strike slip	19,55	19,56
"Hollister-02"	1961	"Hollister City Hall"	5,5	strike slip	17,2	18,08
"Lytle Creek"	1970	"Cedar Springs_ Allen Ranch"	5,33	Reverse Oblique	17,4	19,35
"Lytle Creek"	1970	"Devil's Canyon"	5,33	Reverse Oblique	18,39	20,24
"Lytle Creek"	1970	"Wrightwood - 6074 Park Dr"	5,33	Reverse Oblique	10,7	12,14
"Point Mugu"	1973	"Port Hueneme"	5,65	Reverse	15,48	17,71
"Fruili_ Italy-03"	1976	"Buia"	5,5	Reverse	10,56	11,98

"Friuli_ Italy-03"	1976	"Forgaria Cornino"	5,5	Reverse	16,33	17,7
"Friuli_ Italy-03"	1976	"San Rocco"	5,5	Reverse	16,26	17,68
"Friuli_ Italy-02"	1976	"Buia"	5,91	Reverse	10,99	11,03
"Friuli_ Italy-02"	1976	"Forgaria Cornino"	5,91	Reverse	14,65	14,75
"Friuli_ Italy-02"	1976	"San Rocco"	5,91	Reverse	14,37	14,5
"Coyote Lake"	1979	"Gilroy Array #1"	5,74	strike slip	10,21	10,67
"Coyote Lake"	1979	"San Juan Bautista_ 24 Polk St"	5,74	strike slip	19,46	19,7
"Norcia_ Italy"	1979	"Spoleto"	5,9	Normal	13,21	13,28
"Imperial Valley-07"	1979	"Bonds Corner"	5,01	strike slip	10,83	13,04
"Imperial Valley-07"	1979	"Calexico Fire Station"	5,01	strike slip	11,17	13,32
"Imperial Valley-07"	1979	"El Centro Array #10"	5,01	strike slip	10,73	12,96
"Imperial Valley-07"	1979	"El Centro Array #11"	5,01	strike slip	13,61	15,42
"Imperial Valley-07"	1979	"El Centro Array #2"	5,01	strike slip	17,32	18,78
"Imperial Valley-07"	1979	"El Centro Array #3"	5,01	strike slip	14,54	16,25
"Livermore-01"	1980	"Antioch - 510 G St"	5,8	strike slip	13,38	15,13
"Livermore-01"	1980	"San Ramon - Eastman Kodak"	5,8	strike slip	15,19	17,24
"Livermore-01"	1980	"San Ramon Fire Station"	5,8	strike slip	15,84	17,93
"Livermore-02"	1980	"Del Valle Dam (Toe)"	5,42	strike slip	10,03	15,17
"Livermore-02"	1980	"San Ramon - Eastman Kodak"	5,42	strike slip	14,31	18,28
"Livermore-02"	1980	"San Ramon Fire Station"	5,42	strike slip	19,09	22,22
"Anza (Horse Canyon)-01"	1980	"Anza - Pinyon Flat"	5,19	strike slip	12,24	17,26
"Anza (Horse Canyon)-01"	1980	"Anza Fire Station"	5,19	strike slip	13,8	17,52
"Anza (Horse Canyon)-01"	1980	"Rancho De Anza"	5,19	strike slip	18,39	21,32
"Mammoth Lakes-02"	1980	"Long Valley Dam (Upr L Abut)"	5,69	strike slip	14,28	16,88
"Mammoth Lakes-03"	1980	"Long Valley Dam (Downst)"	5,91	strike slip	10,31	18,13
"Mammoth Lakes-03"	1980	"Long Valley Dam (L Abut)"	5,91	strike slip	10,31	18,13
"Mammoth Lakes-03"	1980	"Long Valley Dam (Upr L Abut)"	5,91	strike slip	10,31	18,13
"Mammoth Lakes-04"	1980	"Long Valley Dam (Downst)"	5,7	strike slip	12,75	14,38
"Mammoth Lakes-04"	1980	"Long Valley Dam (L Abut)"	5,7	strike slip	12,75	14,38
"Mammoth Lakes-04"	1980	"Long Valley Dam (Upr L Abut)"	5,7	strike slip	12,75	14,38
"Mammoth Lakes-05"	1980	"Long Valley Dam (Upr L Abut)"	5,7	strike slip	14,91	15,89
"Mammoth Lakes-06"	1980	"Bishop - Paradise Lodge"	5,94	strike slip	18,85	23,86

MAGNITUDE FROM 5 TO 6, DISTANCE FROM 20 TO 30 KM

Earthquake Name	Year	Station Name	Magnitude	Mechanism	Rjb (km)	Rrup (km)
"Imperial Valley-03"	1951	"El Centro Array #9"	5,6	strike slip	24,58	25,24
"Central Calif-01"	1954	"Hollister City Hall"	5,3	strike slip	25,11	25,81
"Northern Calif-05"	1967	"Ferndale City Hall"	5,6	strike slip	27,36	28,73
"Lytle Creek"	1970	"Cedar Springs Pumphouse"	5,33	Reverse Oblique	21,33	22,94
"Lytle Creek"	1970	"Colton - So Cal Edison"	5,33	Reverse Oblique	29,18	30,11
"Lytle Creek"	1970	"Puddingstone Dam (Abutment)"	5,33	Reverse Oblique	29,49	30,02
"Northern Calif-07"	1975	"Cape Mendocino"	5,2	strike slip	28,73	34,73
"Northern Calif-07"	1975	"Petrolia_ General Store"	5,2	strike slip	28,48	34,67
"Santa Barbara"	1978	"Cachuma Dam Toe"	5,92	Reverse Oblique	23,75	27,42
"Coyote Lake"	1979	"SJB Overpass_ Bent 3 g.l."	5,74	strike slip	20,44	20,67
"Coyote Lake"	1979	"San Juan Bautista - Hwy 101/156 Overpa"	5,74	strike slip	20,44	20,67
"Imperial Valley-07"	1979	"Brawley Airport"	5,01	strike slip	24,26	25,32
"Imperial Valley-07"	1979	"El Centro Array #1"	5,01	strike slip	23,76	24,84
"Livermore-01"	1980	"APEEL 3E Hayward CSUH"	5,8	strike slip	29,19	30,59
"Livermore-01"	1980	"Del Valle Dam (Toe)"	5,8	strike slip	23,92	24,95
"Livermore-02"	1980	"APEEL 3E Hayward CSUH"	5,42	strike slip	27,76	30
"Livermore-02"	1980	"Antioch - 510 G St"	5,42	strike slip	29,31	32,13
"Livermore-02"	1980	"Fremont - Mission San Jose"	5,42	strike slip	26,07	28,44
"Taiwan SMART1(5)"	1981	"SMART1 C00"	5,9	Reverse	25,5	26,59
"Taiwan SMART1(5)"	1981	"SMART1 I06"	5,9	Reverse	25,31	26,4
"Taiwan SMART1(5)"	1981	"SMART1 I12"	5,9	Reverse	25,7	26,77
"Taiwan SMART1(5)"	1981	"SMART1 M01"	5,9	Reverse	26,31	27,36
"Taiwan SMART1(5)"	1981	"SMART1 M07"	5,9	Reverse	24,68	25,79
"Taiwan SMART1(5)"	1981	"SMART1 O01"	5,9	Reverse	27,3	28,31
"Taiwan SMART1(5)"	1981	"SMART1 O07"	5,9	Reverse	23,77	24,93
"Coalinga-02"	1983	"ALP (temp)"	5,09	Reverse	24,23	27,85
"Borah Peak_ ID-02"	1983	"CEM"	5,1	Normal	21,03	22,35
"Lazio-Abruzzo_ Italy"	1984	"Isernia-Sant'Agapito"	5,8	Normal	29,71	31,23
"Lazio-Abruzzo_ Italy"	1984	"Pontecorvo"	5,8	Normal	29,58	32,74
"Veroia_ Greece"	1984	"Veroia (bsmt)"	5,3	Normal	28,67	28,86
"Bishop (Rnd Val)"	1984	"McGee Creek - Surface"	5,82	strike slip	21,79	22,75

"Chalfant Valley-01"	1986	"Benton"	5,77	strike slip	24,25	24,33
"Chalfant Valley-01"	1986	"Bishop - LADWP South St"	5,77	strike slip	23,38	23,47
"Chalfant Valley-01"	1986	"Lake Crowley - Shehorn Res."	5,77	strike slip	24,37	24,45
"Chalfant Valley-03"	1986	"Bishop - LADWP South St"	5,65	strike slip	24,3	24,41
"Chalfant Valley-04"	1986	"Bishop - LADWP South St"	5,44	strike slip	23,99	24,75
"Whittier Narrows-01"	1987	"Anaheim - W Ball Rd"	5,99	Reverse Oblique	25,81	29,6
"Whittier Narrows-01"	1987	"Beverly Hills - 12520 Mulhol"	5,99	Reverse Oblique	25,91	29,9
"Whittier Narrows-01"	1987	"Beverly Hills - 14145 Mulhol"	5,99	Reverse Oblique	29,09	32,7
"Whittier Narrows-01"	1987	"Big Tujunga_ Angeles Nat F"	5,99	Reverse Oblique	22,5	28,5
"Whittier Narrows-01"	1987	"Burbank - N Buena Vista"	5,99	Reverse Oblique	20,37	26,34

MAGNITUDE FROM 6 TO 7, DISTANCE FROM 10 TO 20 KM

Earthquake Name	Year	Station Name	Magnitude	Mechanism	Rjb (km)	Rrup (km)
"Parkfield"	1966	"Cholame - Shandon Array #12"	6,19	strike slip	17,64	17,64
"Parkfield"	1966	"Cholame - Shandon Array #8"	6,19	strike slip	12,9	12,9
"Parkfield"	1966	"Temblor pre-1969"	6,19	strike slip	15,96	15,96
"San Fernando"	1971	"Castaic - Old Ridge Route"	6,61	Reverse	19,33	22,63
"San Fernando"	1971	"Lake Hughes #12"	6,61	Reverse	13,99	19,3
"San Fernando"	1971	"Lake Hughes #4"	6,61	Reverse	19,45	25,07
"San Fernando"	1971	"Lake Hughes #9"	6,61	Reverse	17,22	22,57
"Friuli_ Italy-01"	1976	"Tolmezzo"	6,5	Reverse	14,97	15,82
"Imperial Valley-06"	1979	"Calexico Fire Station"	6,53	strike slip	10,45	10,45
"Imperial Valley-06"	1979	"Cerro Prieto"	6,53	strike slip	15,19	15,19
"Imperial Valley-06"	1979	"Compuertas"	6,53	strike slip	13,52	15,3
"Imperial Valley-06"	1979	"El Centro Array #1"	6,53	strike slip	19,76	21,68
"Imperial Valley-06"	1979	"El Centro Array #11"	6,53	strike slip	12,56	12,56
"Imperial Valley-06"	1979	"El Centro Array #12"	6,53	strike slip	17,94	17,94
"Imperial Valley-06"	1979	"El Centro Array #3"	6,53	strike slip	10,79	12,85
"Imperial Valley-06"	1979	"Parachute Test Site"	6,53	strike slip	12,69	12,69
"Imperial Valley-06"	1979	"Westmorland Fire Sta"	6,53	strike slip	14,75	15,25
"Mammoth Lakes-01"	1980	"Long Valley Dam (Upr L Abut)"	6,06	Normal Oblique	12,56	15,46
"Victoria_ Mexico"	1980	"Cerro Prieto"	6,33	strike slip	13,8	14,37
"Victoria_ Mexico"	1980	"Chihuahua"	6,33	strike slip	18,53	18,96

"Irpinia_ Italy-01"	1980	"Bisaccia"	6,9	Normal	17,51	21,26
"Irpinia_ Italy-01"	1980	"Calitri"	6,9	Normal	13,34	17,64
"Irpinia_ Italy-02"	1980	"Bagnoli Irpinio"	6,2	Normal	17,79	19,56
"Irpinia_ Italy-02"	1980	"Bisaccia"	6,2	Normal	14,73	14,74
"Corinth_ Greece"	1981	"Corinth"	6,6	Normal Oblique	10,27	10,27
"Morgan Hill"	1984	"Gilroy - Gavilan Coll."	6,19	strike slip	14,83	14,84
"Morgan Hill"	1984	"Gilroy Array #1"	6,19	strike slip	14,9	14,91
"Morgan Hill"	1984	"Gilroy Array #2"	6,19	strike slip	13,68	13,69
"Morgan Hill"	1984	"Gilroy Array #3"	6,19	strike slip	13,01	13,02
"Morgan Hill"	1984	"Gilroy Array #4"	6,19	strike slip	11,53	11,54
"Morgan Hill"	1984	"Gilroy Array #7"	6,19	strike slip	12,06	12,07
"N. Palm Springs"	1986	"Fun Valley"	6,06	Reverse Oblique	12,79	14,24
"N. Palm Springs"	1986	"Palm Springs Airport"	6,06	Reverse Oblique	10,08	10,84
"N. Palm Springs"	1986	"Silent Valley - Poppet Flat"	6,06	Reverse Oblique	16,55	17,03
"Chalfant Valley-02"	1986	"Bishop - LADWP South St"	6,19	strike slip	14,38	17,17
"Chalfant Valley-02"	1986	"Bishop - Paradise Lodge"	6,19	strike slip	14,97	18,31

MAGNITUDE FROM 6 TO 7, DISTANCE FROM 20 TO 30 KM

Earthquake Name	Year	Station Name	Magnitude	Mechanism	Rjb (km)	Rrup (km)
"Northern Calif-03"	1954	"Ferndale City Hall"	6,5	strike slip	26,72	27,02
"San Fernando"	1971	"LA - Hollywood Stor FF"	6,61	Reverse	22,77	22,77
"San Fernando"	1971	"Lake Hughes #1"	6,61	Reverse	22,23	27,4
"San Fernando"	1971	"Palmdale Fire Station"	6,61	Reverse	24,16	28,99
"San Fernando"	1971	"Pasadena - CIT Athenaeum"	6,61	Reverse	25,47	25,47
"San Fernando"	1971	"Pasadena - Old Seismo Lab"	6,61	Reverse	21,5	21,5
"San Fernando"	1971	"Santa Felita Dam (Outlet)"	6,61	Reverse	24,69	24,87
"Imperial Valley-06"	1979	"Calipatria Fire Station"	6,53	strike slip	23,17	24,6
"Imperial Valley-06"	1979	"Delta"	6,53	strike slip	22,03	22,03
"Imperial Valley-06"	1979	"El Centro Array #13"	6,53	strike slip	21,98	21,98
"Imperial Valley-06"	1979	"Superstition Mtn Camera"	6,53	strike slip	24,61	24,61
"Irpinia_ Italy-01"	1980	"Brienza"	6,9	Normal	22,54	22,56
"Irpinia_ Italy-01"	1980	"Mercato San Severino"	6,9	Normal	29,79	29,8
"Irpinia_ Italy-02"	1980	"Auletta"	6,2	Normal	28,69	29,86

"Irpinia_ Italy-02"	1980	"Rionero In Vulture"	6,2	Normal	22,68	22,69
"Irpinia_ Italy-02"	1980	"Sturno (STN)"	6,2	Normal	20,38	20,39
"Coalinga-01"	1983	"Cantua Creek School"	6,36	Reverse	23,78	24,02
"Coalinga-01"	1983	"Parkfield - Fault Zone 11"	6,36	Reverse	27,1	28,52
"Coalinga-01"	1983	"Parkfield - Fault Zone 12"	6,36	Reverse	27,96	29,34
"Coalinga-01"	1983	"Parkfield - Fault Zone 14"	6,36	Reverse	28,11	29,48
"Coalinga-01"	1983	"Parkfield - Fault Zone 15"	6,36	Reverse	28	29,38
"Northern Calif-03"	1954	"Ferndale City Hall"	6,5	strike slip	26,72	27,02
"San Fernando"	1971	"LA - Hollywood Stor FF"	6,61	Reverse	22,77	22,77
"San Fernando"	1971	"Lake Hughes #1"	6,61	Reverse	22,23	27,4
"San Fernando"	1971	"Palmdale Fire Station"	6,61	Reverse	24,16	28,99
"San Fernando"	1971	"Pasadena - CIT Athenaeum"	6,61	Reverse	25,47	25,47
"San Fernando"	1971	"Pasadena - Old Seismo Lab"	6,61	Reverse	21,5	21,5
"San Fernando"	1971	"Santa Felita Dam (Outlet)"	6,61	Reverse	24,69	24,87
"Imperial Valley-06"	1979	"Calipatria Fire Station"	6,53	strike slip	23,17	24,6
"Imperial Valley-06"	1979	"Delta"	6,53	strike slip	22,03	22,03
"Imperial Valley-06"	1979	"El Centro Array #13"	6,53	strike slip	21,98	21,98
"Imperial Valley-06"	1979	"Superstition Mtn Camera"	6,53	strike slip	24,61	24,61
"Irpinia_ Italy-01"	1980	"Brienza"	6,9	Normal	22,54	22,56
"Irpinia_ Italy-01"	1980	"Mercato San Severino"	6,9	Normal	29,79	29,8
"Irpinia_ Italy-02"	1980	"Auletta"	6,2	Normal	28,69	29,86
"Irpinia_ Italy-02"	1980	"Rionero In Vulture"	6,2	Normal	22,68	22,69
"Irpinia_ Italy-02"	1980	"Sturno (STN)"	6,2	Normal	20,38	20,39
"Coalinga-01"	1983	"Cantua Creek School"	6,36	Reverse	23,78	24,02
"Coalinga-01"	1983	"Parkfield - Fault Zone 11"	6,36	Reverse	27,1	28,52
"Coalinga-01"	1983	"Parkfield - Fault Zone 12"	6,36	Reverse	27,96	29,34
"Coalinga-01"	1983	"Parkfield - Fault Zone 14"	6,36	Reverse	28,11	29,48
"Coalinga-01"	1983	"Parkfield - Fault Zone 15"	6,36	Reverse	28	29,38
"Northern Calif-03"	1954	"Ferndale City Hall"	6,5	strike slip	26,72	27,02
"San Fernando"	1971	"LA - Hollywood Stor FF"	6,61	Reverse	22,77	22,77
"San Fernando"	1971	"Lake Hughes #1"	6,61	Reverse	22,23	27,4
"San Fernando"	1971	"Palmdale Fire Station"	6,61	Reverse	24,16	28,99
"San Fernando"	1971	"Pasadena - CIT Athenaeum"	6,61	Reverse	25,47	25,47

"San Fernando"	1971	"Pasadena - Old Seismo Lab"	6,61	Reverse	21,5	21,5
"San Fernando"	1971	"Santa Felita Dam (Outlet)"	6,61	Reverse	24,69	24,87
"Imperial Valley-06"	1979	"Calipatria Fire Station"	6,53	strike slip	23,17	24,6
"Imperial Valley-06"	1979	"Delta"	6,53	strike slip	22,03	22,03
"Imperial Valley-06"	1979	"El Centro Array #13"	6,53	strike slip	21,98	21,98
"Imperial Valley-06"	1979	"Superstition Mtn Camera"	6,53	strike slip	24,61	24,61
"Irpinia_ Italy-01"	1980	"Brienza"	6,9	Normal	22,54	22,56
"Irpinia_ Italy-01"	1980	"Mercato San Severino"	6,9	Normal	29,79	29,8
"Irpinia_ Italy-02"	1980	"Auletta"	6,2	Normal	28,69	29,86
"Irpinia_ Italy-02"	1980	"Rionero In Vulture"	6,2	Normal	22,68	22,69
"Irpinia_ Italy-02"	1980	"Sturno (STN)"	6,2	Normal	20,38	20,39
"Coalinga-01"	1983	"Cantua Creek School"	6,36	Reverse	23,78	24,02
"Coalinga-01"	1983	"Parkfield - Fault Zone 11"	6,36	Reverse	27,1	28,52
"Coalinga-01"	1983	"Parkfield - Fault Zone 12"	6,36	Reverse	27,96	29,34
"Coalinga-01"	1983	"Parkfield - Fault Zone 14"	6,36	Reverse	28,11	29,48
"Coalinga-01"	1983	"Parkfield - Fault Zone 15"	6,36	Reverse	28	29,38

MAGNITUDE FROM 7 TO 8, DISTANCE FROM 10 TO 20 KM

Earthquake Name	Year	Station Name	Magnitude	Mechanism	Rjb (km)	Rrup (km)
"Cape Mendocino"	1992	"Fortuna - Fortuna Blvd"	7,01	Reverse	15,97	19,95
"Landers"	1992	"Coolwater"	7,28	strike slip	19,74	19,74
"Landers"	1992	"Joshua Tree"	7,28	strike slip	11,03	11,03
"Landers"	1992	"Morongo Valley Fire Station"	7,28	strike slip	17,36	17,36
"Kocaeli_ Turkey"	1999	"Arcelik"	7,51	strike slip	10,56	13,49
"Kocaeli_ Turkey"	1999	"Duzce"	7,51	strike slip	13,6	15,37
"Chi-Chi_ Taiwan"	1999	"CHY010"	7,62	Reverse Oblique	19,93	19,96
"Chi-Chi_ Taiwan"	1999	"CHY025"	7,62	Reverse Oblique	19,07	19,07
"Chi-Chi_ Taiwan"	1999	"CHY029"	7,62	Reverse Oblique	10,96	10,96
"Chi-Chi_ Taiwan"	1999	"CHY034"	7,62	Reverse Oblique	14,82	14,82
"Chi-Chi_ Taiwan"	1999	"CHY035"	7,62	Reverse Oblique	12,6	12,65
"Chi-Chi_ Taiwan"	1999	"CHY036"	7,62	Reverse Oblique	16,04	16,04
"Chi-Chi_ Taiwan"	1999	"CHY041"	7,62	Reverse Oblique	19,37	19,83
"Chi-Chi_ Taiwan"	1999	"CHY104"	7,62	Reverse Oblique	18,02	18,02

"Chi-Chi_ Taiwan"	1999	"TCU036"	7,62	Reverse Oblique	19,83	19,83
"Chi-Chi_ Taiwan"	1999	"TCU039"	7,62	Reverse Oblique	19,89	19,89
"Chi-Chi_ Taiwan"	1999	"TCU046"	7,62	Reverse Oblique	16,74	16,74
"Chi-Chi_ Taiwan"	1999	"TCU048"	7,62	Reverse Oblique	13,53	13,53
"Chi-Chi_ Taiwan"	1999	"TCU056"	7,62	Reverse Oblique	10,48	10,48
"Chi-Chi_ Taiwan"	1999	"TCU057"	7,62	Reverse Oblique	11,83	11,83
"Chi-Chi_ Taiwan"	1999	"TCU059"	7,62	Reverse Oblique	17,11	17,11

MAGNITUDE FROM 7 TO 8, DISTANCE FROM 20 TO 30 KM

Earthquake Name	Year	Station Name	Magnitude	Mechanism	Rjb (km)	Rrup (km)
"Tabas_ Iran"	1978	"Boshrooyeh"	7,35	Reverse	24,07	28,79
"Cape Mendocino"	1992	"Shelter Cove Airport"	7,01	Reverse	26,51	28,78
"Landers"	1992	"Desert Hot Springs"	7,28	strike slip	21,78	21,78
"Landers"	1992	"Mission Creek Fault"	7,28	strike slip	26,96	26,96
"Landers"	1992	"North Palm Springs"	7,28	strike slip	26,84	26,84
"Landers"	1992	"Yermo Fire Station"	7,28	strike slip	23,62	23,62
"Chi-Chi_ Taiwan"	1999	"CHY002"	7,62	Reverse Oblique	24,96	24,96
"Chi-Chi_ Taiwan"	1999	"CHY026"	7,62	Reverse Oblique	29,52	29,52
"Chi-Chi_ Taiwan"	1999	"CHY042"	7,62	Reverse Oblique	27,47	28,17
"Chi-Chi_ Taiwan"	1999	"CHY046"	7,62	Reverse Oblique	24,1	24,1
"Chi-Chi_ Taiwan"	1999	"CHY047"	7,62	Reverse Oblique	24,13	24,13
"Chi-Chi_ Taiwan"	1999	"CHY086"	7,62	Reverse Oblique	27,57	28,42
"Chi-Chi_ Taiwan"	1999	"CHY087"	7,62	Reverse Oblique	28,79	28,91
"Chi-Chi_ Taiwan"	1999	"CHY092"	7,62	Reverse Oblique	22,69	22,69
"Chi-Chi_ Taiwan"	1999	"TCU029"	7,62	Reverse Oblique	28,04	28,04
"Chi-Chi_ Taiwan"	1999	"TCU038"	7,62	Reverse Oblique	25,42	25,42
"Chi-Chi_ Taiwan"	1999	"TCU040"	7,62	Reverse Oblique	22,06	22,06
"Chi-Chi_ Taiwan"	1999	"TCU042"	7,62	Reverse Oblique	26,31	26,31
"Chi-Chi_ Taiwan"	1999	"TCU045"	7,62	Reverse Oblique	26	26
"Chi-Chi_ Taiwan"	1999	"TCU111"	7,62	Reverse Oblique	22,12	22,12
"Chi-Chi_ Taiwan"	1999	"TCU112"	7,62	Reverse Oblique	27,48	27,48