

(200)

R290

no. 98-584

U. S. Department of the Interior

U. S. Geological Survey

**Modified Mercalli Intensities for Some Recent
California Earthquakes and Historic San Francisco
Bay Region Earthquakes**

by

William H. Bakun

U. S. Geological Survey

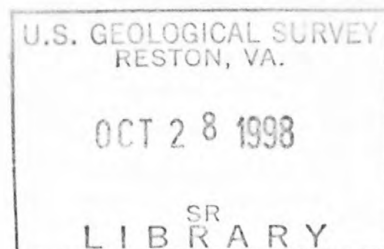
345 Middlefield Rd. MS977

Menlo Park, California 94025

Open-File Report 98-584

This report is preliminary and has not been reviewed for conformity with U. S. Geological Survey editorial standards or with the North American stratigraphic code. Any use of trade, product or firm names is for descriptive purposes only and does not imply endorsement by the U. S. Government.

1998



Abstract

Modified Mercalli Intensity (*MMI*) data for recent California earthquakes were used by Bakun and Wentworth (1997) to develop a strategy for bounding the location and moment magnitude *M* of earthquakes from *MMI* observations only. Bakun (*Bull. Seismol. Soc. Amer.*, submitted) used the Bakun and Wentworth (1997) strategy to analyze 19th century and early 20th century San Francisco Bay Region earthquakes. The *MMI* data and site corrections used in these studies are listed in this Open-file Report. This report is also accessible at <http://quake.wr.usgs.gov/~bakun/>.

Contents

Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997) Training-set Events.....	Pages 1 to 93
Table 2. Site Corrections and Geologic Descriptions of Bakun and Wentworth (1997).....	Pages 94 to 132
Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997) Test-set Events.....	Pages 133 to 153
Table 4. Modified Mercalli Intensity Observations for San Francisco Bay Region earthquakes (1836 to 1927).....	Pages 154 to 175

Explanation of Tables 1 - 4

The MMI for Bakun and Wentworth's (1997) training-set and test-set events are listed in Tables 1 and 3 respectively. The MMI are listed in chronological order, then by decreasing MMI, and finally by community name in alphabetical order. The site corrections, and the California geology and soil classes as defined in Bakun and Wentworth (1997), are listed in Table 2. The MMI data used by Bakun (*submitted*), organized as described above for Tables 1 and 3, are listed in Table 4.

References

- Bakun, W. H. and C. M. Wentworth (1997). Estimating earthquake location and magnitude from seismic intensity data, *Bull. Seismol. Soc. Amer.* **87**, 1502-1521.
- Bakun, W. H. (1999). Seismic Activity of the San Francisco Bay region, *Bull. Seismol. Soc. Amer.*, *submitted*.

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Parkfield 66	6/28/66	Cholame	CA	7	-120.296	35.724	-0.18	7.18
Parkfield 66	6/28/66	Parkfield	CA	7	-120.432	35.900	0.71	6.29
Parkfield 66	6/28/66	Annette	CA	6	-120.178	35.651	0.14	5.86
Parkfield 66	6/28/66	Avenal	CA	6	-120.128	36.004	0.21	5.79
Parkfield 66	6/28/66	Bitterwater	CA	6	-121.002	36.380	0.58	5.42
Parkfield 66	6/28/66	Coalinga	CA	6	-120.359	36.140	0.29	5.71
Parkfield 66	6/28/66	Creston	CA	6	-120.523	35.519	-0.29	6.29
Parkfield 66	6/28/66	Paso Robles	CA	6	-120.690	35.627	-0.16	6.16
Parkfield 66	6/28/66	San Luis Obispo	CA	6	-120.659	35.283	0.17	5.83
Parkfield 66	6/28/66	San Miguel	CA	6	-120.695	35.753	-0.09	6.09
Parkfield 66	6/28/66	Shafter	CA	6	-119.271	35.501	0.13	5.87
Parkfield 66	6/28/66	Shandon	CA	6	-120.374	35.655	-0.09	6.09
Parkfield 66	6/28/66	Slack Canyon	CA	6	-120.550	35.930	-0.67	6.67
Parkfield 66	6/28/66	Valleton	CA	6	-120.705	35.889	-0.37	6.37
Parkfield 66	6/28/66	Walti Ranch	CA	6	-120.550	35.950	-0.68	6.68
Parkfield 66	6/28/66	Work Ranch	CA	6	-120.353	35.820	-0.37	6.37
Parkfield 66	6/28/66	Adelaida	CA	5	-120.873	35.646	-0.79	5.79
Parkfield 66	6/28/66	Alpaugh	CA	5	-119.486	35.888	0.17	4.83
Parkfield 66	6/28/66	Arroyo Grande	CA	5	-120.590	35.119	0.39	4.61
Parkfield 66	6/28/66	Atascadero	CA	5	-120.670	35.489	0.38	4.62
Parkfield 66	6/28/66	Avila Beach	CA	5	-120.731	35.180	0.84	4.16
Parkfield 66	6/28/66	Bakersfield	CA	5	-119.018	35.373	0.08	4.92
Parkfield 66	6/28/66	Baywood Park	CA	5	-120.834	35.326	-0.22	5.22
Parkfield 66	6/28/66	Bryson	CA	5	-121.089	35.807	-0.63	5.63
Parkfield 66	6/28/66	Burrel	CA	5	-119.984	36.488	0.08	4.92
Parkfield 66	6/28/66	Buttonwillow	CA	5	-119.469	35.401	0.57	4.43
Parkfield 66	6/28/66	Earlimart	CA	5	-119.271	35.884	0.22	4.78
Parkfield 66	6/28/66	Fellows	CA	5	-119.540	35.179	0.35	4.65
Parkfield 66	6/28/66	Frazier Park	CA	5	-118.944	34.823	-0.18	5.18
Parkfield 66	6/28/66	Greenfield	CA	5	-121.243	36.321	-0.28	5.28
Parkfield 66	6/28/66	Harmony	CA	5	-121.022	35.509	-0.67	5.67
Parkfield 66	6/28/66	Kettleman City	CA	5	-119.961	36.008	0.40	4.60
Parkfield 66	6/28/66	King City	CA	5	-121.125	36.213	-0.43	5.43
Parkfield 66	6/28/66	La Panza	CA	5	-120.214	35.361	-0.33	5.33
Parkfield 66	6/28/66	Lost Hills	CA	5	-119.693	35.616	-0.23	5.23
Parkfield 66	6/28/66	Maricopa	CA	5	-119.400	35.059	0.15	4.85
Parkfield 66	6/28/66	Mee Ranch	CA	5	-120.950	36.280	-0.65	5.65
Parkfield 66	6/28/66	Morro Bay	CA	5	-120.849	35.366	-0.20	5.20
Parkfield 66	6/28/66	Moss Landing	CA	5	-121.786	36.804	-0.35	5.35
Parkfield 66	6/28/66	Musick	CA	5	-120.300	35.200	-0.02	5.02
Parkfield 66	6/28/66	Nipomo	CA	5	-120.475	35.043	-0.31	5.31
Parkfield 66	6/28/66	Oceano	CA	5	-120.611	35.099	0.44	4.56
Parkfield 66	6/28/66	Old River	CA	5	-119.108	35.267	1.26	3.74
Parkfield 66	6/28/66	Panoche	CA	5	-120.833	36.597	-0.17	5.17
Parkfield 66	6/28/66	Pine Canyon	CA	5	-121.640	36.600	0.81	4.19
Parkfield 66	6/28/66	Pismo Beach	CA	5	-120.640	35.143	0.01	4.99
Parkfield 66	6/28/66	Priest Valley	CA	5	-120.670	36.170	-1.18	6.18
Parkfield 66	6/28/66	San Ardo	CA	5	-120.904	36.021	0.00	5.00

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Parkfield 66	6/28/66	San Joaquin	CA	5	-120.188	36.607	-0.43	5.43
Parkfield 66	6/28/66	San Lucas	CA	5	-121.019	36.129	-0.41	5.41
Parkfield 66	6/28/66	San Simeon	CA	5	-121.190	35.644	-0.82	5.82
Parkfield 66	6/28/66	Simmler	CA	5	-119.986	35.351	-0.10	5.10
Parkfield 66	6/28/66	Stratford	CA	5	-119.822	36.189	0.47	4.53
Parkfield 66	6/28/66	Templeton	CA	5	-120.705	35.550	0.10	4.90
Parkfield 66	6/28/66	Vandenberg Air Force Base	CA	5	-120.580	34.730	0.62	4.38
Parkfield 66	6/28/66	Armona	CA	4	-119.708	36.316	-0.24	4.24
Parkfield 66	6/28/66	Big Sur	CA	4	-121.806	36.270	-0.51	4.51
Parkfield 66	6/28/66	Cachuma	CA	4	-119.960	34.570	0.54	3.46
Parkfield 66	6/28/66	Cantua Creek	CA	4	-120.315	36.501	-0.40	4.40
Parkfield 66	6/28/66	Capitola	CA	4	-121.952	36.975	-0.50	4.50
Parkfield 66	6/28/66	Carmel	CA	4	-121.920	36.560	0.10	3.90
Parkfield 66	6/28/66	Carmel Valley	CA	4	-121.731	36.480	-0.62	4.62
Parkfield 66	6/28/66	Carpinteria	CA	4	-119.518	34.399	-0.06	4.06
Parkfield 66	6/28/66	Caruthers	CA	4	-119.832	36.543	-0.03	4.03
Parkfield 66	6/28/66	Casmalia	CA	4	-120.530	34.838	0.41	3.59
Parkfield 66	6/28/66	Cayucos	CA	4	-120.891	35.443	-0.73	4.73
Parkfield 66	6/28/66	Chatsworth	CA	4	-118.600	34.257	0.43	3.57
Parkfield 66	6/28/66	Corcoran	CA	4	-119.559	36.098	0.16	3.84
Parkfield 66	6/28/66	Corralitos	CA	4	-121.805	36.989	0.16	3.84
Parkfield 66	6/28/66	Cuyama Peak	CA	4	-119.480	34.760	0.55	3.45
Parkfield 66	6/28/66	Delano	CA	4	-119.246	35.769	-0.01	4.01
Parkfield 66	6/28/66	Farmersville	CA	4	-119.206	36.298	0.17	3.83
Parkfield 66	6/28/66	Felton	CA	4	-122.072	37.051	-0.53	4.53
Parkfield 66	6/28/66	Fillmore	CA	4	-118.917	34.399	0.66	3.34
Parkfield 66	6/28/66	Firebaugh	CA	4	-120.455	36.859	-0.02	4.02
Parkfield 66	6/28/66	Fresno	CA	4	-119.771	36.748	0.10	3.90
Parkfield 66	6/28/66	Gaviota	CA	4	-120.214	34.472	0.50	3.50
Parkfield 66	6/28/66	Goleta	CA	4	-119.827	34.436	0.77	3.23
Parkfield 66	6/28/66	Gonzales	CA	4	-121.443	36.507	-1.02	5.02
Parkfield 66	6/28/66	Guadalupe	CA	4	-120.571	34.972	0.39	3.61
Parkfield 66	6/28/66	Hanford	CA	4	-119.645	36.328	0.12	3.88
Parkfield 66	6/28/66	Helm	CA	4	-120.097	36.532	-0.49	4.49
Parkfield 66	6/28/66	Hernandez	CA	4	-120.780	36.360	-1.06	5.06
Parkfield 66	6/28/66	Hollister	CA	4	-121.401	36.853	0.11	3.89
Parkfield 66	6/28/66	Holy City	CA	4	-121.978	37.157	-0.50	4.50
Parkfield 66	6/28/66	Idria	CA	4	-120.673	36.417	-1.66	5.66
Parkfield 66	6/28/66	Jamesburg	CA	4	-121.589	36.370	-0.54	4.54
Parkfield 66	6/28/66	Kernville	CA	4	-118.424	35.755	0.37	3.63
Parkfield 66	6/28/66	Lamont	CA	4	-118.913	35.260	-0.32	4.32
Parkfield 66	6/28/66	Laton	CA	4	-119.686	36.433	0.03	3.97
Parkfield 66	6/28/66	Lemoore	CA	4	-119.782	36.301	0.50	3.50
Parkfield 66	6/28/66	Lompoc	CA	4	-120.457	34.639	0.41	3.59
Parkfield 66	6/28/66	Los Alamos	CA	4	-120.277	34.744	1.00	3.00
Parkfield 66	6/28/66	Los Olivos	CA	4	-120.114	34.668	0.30	3.70
Parkfield 66	6/28/66	Los Osos	CA	4	-120.831	35.311	-0.11	4.11

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Parkfield 66	6/28/66	Marina	CA	4	-121.801	36.684	-0.20	4.20
Parkfield 66	6/28/66	Mcfarland	CA	4	-119.228	35.678	-0.02	4.02
Parkfield 66	6/28/66	Mckittrick	CA	4	-119.622	35.306	-0.36	4.36
Parkfield 66	6/28/66	Monterey	CA	4	-121.894	36.600	-0.16	4.16
Parkfield 66	6/28/66	Moorpark	CA	4	-118.881	34.286	0.28	3.72
Parkfield 66	6/28/66	Ojai	CA	4	-119.242	34.448	-0.49	4.49
Parkfield 66	6/28/66	Oxnard	CA	4	-119.176	34.198	1.18	2.82
Parkfield 66	6/28/66	Pacific Grove	CA	4	-121.916	36.618	0.20	3.80
Parkfield 66	6/28/66	Paicines	CA	4	-121.278	36.729	-0.77	4.77
Parkfield 66	6/28/66	Piru	CA	4	-118.793	34.415	0.90	3.10
Parkfield 66	6/28/66	Pond	CA	4	-119.328	35.718	-0.57	4.57
Parkfield 66	6/28/66	Porterville	CA	4	-119.016	36.065	0.59	3.41
Parkfield 66	6/28/66	Posey	CA	4	-118.682	35.805	-0.35	4.35
Parkfield 66	6/28/66	Riverdale	CA	4	-119.859	36.431	-0.29	4.29
Parkfield 66	6/28/66	Salinas	CA	4	-121.654	36.678	-0.16	4.16
Parkfield 66	6/28/66	Santa Barbara	CA	4	-119.697	34.421	0.92	3.08
Parkfield 66	6/28/66	Santa Margarita	CA	4	-120.608	35.390	-0.41	4.41
Parkfield 66	6/28/66	Santa Maria	CA	4	-120.435	34.953	-0.15	4.15
Parkfield 66	6/28/66	Santa Paula	CA	4	-119.058	34.354	-0.27	4.27
Parkfield 66	6/28/66	Santa Ynez	CA	4	-120.079	34.614	0.51	3.49
Parkfield 66	6/28/66	Seaside	CA	4	-121.851	36.611	-0.62	4.62
Parkfield 66	6/28/66	Selma	CA	4	-119.611	36.571	0.10	3.90
Parkfield 66	6/28/66	Soledad	CA	4	-121.325	36.425	-0.16	4.16
Parkfield 66	6/28/66	Somis	CA	4	-118.995	34.257	0.55	3.45
Parkfield 66	6/28/66	Spreckels	CA	4	-121.646	36.622	-0.28	4.28
Parkfield 66	6/28/66	Surf	CA	4	-120.603	34.684	0.13	3.87
Parkfield 66	6/28/66	Taft	CA	4	-119.456	35.143	-0.46	4.46
Parkfield 66	6/28/66	Terra Bella	CA	4	-119.043	35.963	-0.18	4.18
Parkfield 66	6/28/66	Tipton	CA	4	-119.311	36.059	0.03	3.97
Parkfield 66	6/28/66	Tranquillity	CA	4	-120.252	36.649	-0.48	4.48
Parkfield 66	6/28/66	Tulare	CA	4	-119.346	36.208	-0.02	4.02
Parkfield 66	6/28/66	Tupman	CA	4	-119.350	35.298	-0.72	4.72
Parkfield 66	6/28/66	Ventura	CA	4	-119.292	34.278	0.50	3.50
Parkfield 66	6/28/66	Visalia	CA	4	-119.291	36.330	0.27	3.73
Parkfield 66	6/28/66	Wasco	CA	4	-119.340	35.594	-0.09	4.09
Parkfield 66	6/28/66	Woodville	CA	4	-119.198	36.094	-0.66	4.66
Parkfield 66	6/28/66	Woody	CA	4	-118.833	35.704	-0.23	4.23
Parkfield 66	6/28/66	Aptos	CA	3	-121.898	36.977	-0.90	3.90
Parkfield 66	6/28/66	Arvin	CA	3	-118.828	35.209	0.57	2.43
Parkfield 66	6/28/66	Bass Lake	CA	3	-119.565	37.325	-0.17	3.17
Parkfield 66	6/28/66	Biola	CA	3	-120.015	36.802	-0.08	3.08
Parkfield 66	6/28/66	Buellton	CA	3	-120.192	34.614	0.19	2.81
Parkfield 66	6/28/66	Castroville	CA	3	-121.757	36.766	-0.54	3.54
Parkfield 66	6/28/66	Clovis	CA	3	-119.702	36.825	0.54	2.46
Parkfield 66	6/28/66	Colma	CA	3	-122.459	37.677	-0.34	3.34
Parkfield 66	6/28/66	Cuyama	CA	3	-119.614	34.935	-0.53	3.53
Parkfield 66	6/28/66	Daly City	CA	3	-122.461	37.706	0.17	2.83
Parkfield 66	6/28/66	Di Giorgio	CA	3	-118.851	35.253	-0.61	3.61

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Parkfield 66	6/28/66	Ducor	CA	3	-119.046	35.892	-0.19	3.19
Parkfield 66	6/28/66	Edison	CA	3	-118.871	35.348	0.02	2.98
Parkfield 66	6/28/66	Exeter	CA	3	-119.141	36.296	0.14	2.86
Parkfield 66	6/28/66	Fort Tejon	CA	3	-118.880	34.850	0.16	2.84
Parkfield 66	6/28/66	Fowler	CA	3	-119.678	36.631	-0.09	3.09
Parkfield 66	6/28/66	Goshen	CA	3	-119.419	36.351	0.45	2.55
Parkfield 66	6/28/66	Granada Hills	CA	3	-118.522	34.265	0.95	2.05
Parkfield 66	6/28/66	Harris Ranch	CA	3	-121.400	36.740	-1.32	4.32
Parkfield 66	6/28/66	Kerman	CA	3	-120.059	36.724	-1.16	4.16
Parkfield 66	6/28/66	Kingsburg	CA	3	-119.553	36.514	-0.11	3.11
Parkfield 66	6/28/66	Lindsay	CA	3	-119.087	36.203	0.47	2.53
Parkfield 66	6/28/66	Los Angeles	CA	3	-118.243	34.052	1.11	1.89
Parkfield 66	6/28/66	Mendota	CA	3	-120.381	36.754	-0.96	3.96
Parkfield 66	6/28/66	Mount Hermon	CA	3	-122.058	37.051	-0.38	3.38
Parkfield 66	6/28/66	Newport Beach	CA	3	-117.928	33.619	1.94	1.06
Parkfield 66	6/28/66	Orange	CA	3	-117.852	33.788	0.25	2.75
Parkfield 66	6/28/66	Orange Cove	CA	3	-119.313	36.624	-1.23	4.23
Parkfield 66	6/28/66	Point Arguello	CA	3	-120.650	34.570	-0.71	3.71
Parkfield 66	6/28/66	Port Hueneme	CA	3	-119.194	34.148	0.29	2.71
Parkfield 66	6/28/66	Reedley	CA	3	-119.449	36.596	0.67	2.33
Parkfield 66	6/28/66	San Francisco	CA	3	-122.418	37.775	1.18	1.82
Parkfield 66	6/28/66	San Gregorio	CA	3	-122.386	37.327	-0.05	3.05
Parkfield 66	6/28/66	Santa Cruz	CA	3	-122.030	36.974	-0.07	3.07
Parkfield 66	6/28/66	Saugus	CA	3	-118.539	34.411	0.59	2.41
Parkfield 66	6/28/66	Soquel	CA	3	-121.956	36.988	-0.33	3.33
Parkfield 66	6/28/66	Strathmore	CA	3	-119.060	36.146	0.25	2.75
Parkfield 66	6/28/66	Tres Pinos	CA	3	-121.320	36.790	-0.95	3.95
Parkfield 66	6/28/66	West Covina	CA	3	-117.938	34.069	0.39	2.61
Parkfield 66	6/28/66	Wishon	CA	3	-119.540	37.300	-0.22	3.22
San Fernando	2/9/71	San Fernando	CA	9	-118.438	34.282	0.84	8.16
San Fernando	2/9/71	Sylmar	CA	9	-118.448	34.308	0.83	8.17
San Fernando	2/9/71	Granada Hills	CA	8	-118.522	34.265	0.95	7.05
San Fernando	2/9/71	Newhall	CA	8	-118.530	34.385	2.34	5.66
San Fernando	2/9/71	Saugus	CA	8	-118.539	34.411	0.59	7.41
San Fernando	2/9/71	Alhambra	CA	7	-118.126	34.095	-0.58	7.58
San Fernando	2/9/71	Altadena	CA	7	-118.130	34.190	-0.37	7.37
San Fernando	2/9/71	Beverly Hills	CA	7	-118.399	34.074	-0.35	7.35
San Fernando	2/9/71	Burbank	CA	7	-118.308	34.181	-0.44	7.44
San Fernando	2/9/71	Canoga Park	CA	7	-118.597	34.201	0.47	6.53
San Fernando	2/9/71	Encino	CA	7	-118.500	34.159	-0.48	7.48
San Fernando	2/9/71	Fillmore	CA	7	-118.917	34.399	0.66	6.34
San Fernando	2/9/71	Flintridge	CA	7	-118.180	34.190	-0.43	7.43
San Fernando	2/9/71	Glendale	CA	7	-118.254	34.143	-0.32	7.32
San Fernando	2/9/71	Hollywood	CA	7	-118.326	34.098	0.16	6.84
San Fernando	2/9/71	La Canada	CA	7	-118.200	34.200	-0.81	7.81
San Fernando	2/9/71	La Crescenta	CA	7	-118.239	34.224	-0.56	7.56
San Fernando	2/9/71	Los Angeles	CA	7	-118.243	34.052	1.11	5.89
San Fernando	2/9/71	Montrose	CA	7	-118.223	34.206	-0.51	7.51

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	North Hollywood	CA	7	-118.378	34.172	-0.01	7.01
San Fernando	2/9/71	Northridge	CA	7	-118.536	34.228	1.59	5.41
San Fernando	2/9/71	Pacoima	CA	7	-118.426	34.263	-0.15	7.15
San Fernando	2/9/71	Panorama City	CA	7	-118.449	34.225	-0.64	7.64
San Fernando	2/9/71	Pasadena	CA	7	-118.130	34.150	1.04	5.96
San Fernando	2/9/71	Reseda	CA	7	-118.536	34.201	-0.16	7.16
San Fernando	2/9/71	Sepulveda	CA	7	-118.467	34.231	-0.65	7.65
San Fernando	2/9/71	Sherman Oaks	CA	7	-118.448	34.151	0.47	6.53
San Fernando	2/9/71	South Pasadena	CA	7	-118.149	34.116	-0.26	7.26
San Fernando	2/9/71	Sun Valley	CA	7	-118.369	34.218	-0.56	7.56
San Fernando	2/9/71	Sunland	CA	7	-118.301	34.267	-0.52	7.52
San Fernando	2/9/71	Tarzana	CA	7	-118.553	34.173	-0.09	7.09
San Fernando	2/9/71	Tujunga	CA	7	-118.288	34.252	-0.99	7.99
San Fernando	2/9/71	Van Nuys	CA	7	-118.448	34.187	0.20	6.80
San Fernando	2/9/71	Verdugo City	CA	7	-118.239	34.211	-0.54	7.54
San Fernando	2/9/71	Vernon	CA	7	-118.229	34.004	-0.10	7.10
San Fernando	2/9/71	Woodland Hills	CA	7	-118.605	34.168	-0.41	7.41
San Fernando	2/9/71	Agoura	CA	6	-118.737	34.143	-0.80	6.80
San Fernando	2/9/71	Agua Dulce	CA	6	-118.325	34.496	-0.93	6.93
San Fernando	2/9/71	Anaheim	CA	6	-117.914	33.835	-0.40	6.40
San Fernando	2/9/71	Arcadia	CA	6	-118.034	34.140	-0.99	6.99
San Fernando	2/9/71	Baldwin Park	CA	6	-117.960	34.085	-1.31	7.31
San Fernando	2/9/71	Camarillo	CA	6	-119.037	34.216	0.50	5.50
San Fernando	2/9/71	Carson	CA	6	-118.281	33.831	-0.77	6.77
San Fernando	2/9/71	Castaic	CA	6	-118.622	34.489	-0.80	6.80
San Fernando	2/9/71	Century City	CA	6	-118.417	34.056	-0.82	6.82
San Fernando	2/9/71	Cerritos	CA	6	-118.064	33.858	-1.13	7.13
San Fernando	2/9/71	Chatsworth	CA	6	-118.600	34.257	0.43	5.57
San Fernando	2/9/71	Compton	CA	6	-118.219	33.896	1.00	5.00
San Fernando	2/9/71	Costa Mesa	CA	6	-117.918	33.641	-0.57	6.57
San Fernando	2/9/71	Covina	CA	6	-117.889	34.090	-1.20	7.20
San Fernando	2/9/71	Crestline	CA	6	-117.285	34.242	-0.67	6.67
San Fernando	2/9/71	Cucamonga	CA	6	-117.592	34.106	-0.40	6.40
San Fernando	2/9/71	Culver City	CA	6	-118.396	34.021	-0.74	6.74
San Fernando	2/9/71	Downey	CA	6	-118.132	33.940	-1.35	7.35
San Fernando	2/9/71	El Monte	CA	6	-118.027	34.069	-1.40	7.40
San Fernando	2/9/71	Florence	CA	6	-118.247	33.974	-1.05	7.05
San Fernando	2/9/71	Fullerton	CA	6	-117.924	33.870	0.00	6.00
San Fernando	2/9/71	Gardena	CA	6	-118.308	33.888	-1.41	7.41
San Fernando	2/9/71	Glendora	CA	6	-117.864	34.136	-1.70	7.70
San Fernando	2/9/71	Hacienda Heights	CA	6	-117.968	33.993	-1.21	7.21
San Fernando	2/9/71	Hawthorne-Ca	CA	6	-118.352	33.916	-1.49	7.49
San Fernando	2/9/71	Highland	CA	6	-117.208	34.128	0.00	6.00
San Fernando	2/9/71	Huntington Beach	CA	6	-117.998	33.660	0.29	5.71
San Fernando	2/9/71	Huntington Park	CA	6	-118.224	33.982	-1.05	7.05
San Fernando	2/9/71	La Habra	CA	6	-117.945	33.932	-0.60	6.60
San Fernando	2/9/71	La Mirada	CA	6	-118.011	33.917	-0.66	6.66
San Fernando	2/9/71	La Puente	CA	6	-117.949	34.020	-1.22	7.22

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	Lake Hughes	CA	6	-118.444	34.677	-0.75	6.75
San Fernando	2/9/71	Lakewood	CA	6	-118.133	33.854	-0.69	6.69
San Fernando	2/9/71	Lancaster	CA	6	-118.136	34.698	-0.80	6.80
San Fernando	2/9/71	Lenwood	CA	6	-117.103	34.877	0.45	5.55
San Fernando	2/9/71	Littlerock	CA	6	-117.983	34.521	-1.25	7.25
San Fernando	2/9/71	Lomita	CA	6	-118.314	33.792	-1.21	7.21
San Fernando	2/9/71	Long Beach	CA	6	-118.188	33.767	0.95	5.05
San Fernando	2/9/71	Lytle Creek	CA	6	-117.499	34.259	-0.58	6.58
San Fernando	2/9/71	Malibu	CA	6	-118.680	34.040	-1.21	7.21
San Fernando	2/9/71	Manhattan Beach	CA	6	-118.410	33.885	-0.88	6.88
San Fernando	2/9/71	Mar Vista	CA	6	-118.430	34.005	-1.22	7.22
San Fernando	2/9/71	Marina Del Rey	CA	6	-118.450	33.970	-1.07	7.07
San Fernando	2/9/71	Maywood	CA	6	-118.184	33.987	-1.03	7.03
San Fernando	2/9/71	Mission Viejo	CA	6	-117.671	33.600	-0.20	6.20
San Fernando	2/9/71	Monrovia	CA	6	-117.998	34.148	-0.94	6.94
San Fernando	2/9/71	Monterey Park	CA	6	-118.122	34.063	-1.03	7.03
San Fernando	2/9/71	Moorpark	CA	6	-118.881	34.286	0.28	5.72
San Fernando	2/9/71	Mount Baldy	CA	6	-117.659	34.236	-0.87	6.87
San Fernando	2/9/71	Newbury Park	CA	6	-118.910	34.184	-1.04	7.04
San Fernando	2/9/71	Ontario	CA	6	-117.650	34.063	-0.76	6.76
San Fernando	2/9/71	Oxnard	CA	6	-119.176	34.198	1.18	4.82
San Fernando	2/9/71	Palmdale	CA	6	-118.116	34.579	-1.03	7.03
San Fernando	2/9/71	Palos Verdes Peninsula	CA	6	-118.360	33.770	-0.62	6.62
San Fernando	2/9/71	Piru	CA	6	-118.793	34.415	0.90	5.10
San Fernando	2/9/71	Placentia	CA	6	-117.869	33.872	-0.90	6.90
San Fernando	2/9/71	Point Mugu	CA	6	-119.100	34.120	-0.60	6.60
San Fernando	2/9/71	Port Hueneme	CA	6	-119.194	34.148	0.29	5.71
San Fernando	2/9/71	Quartz Hill	CA	6	-118.217	34.645	-1.54	7.54
San Fernando	2/9/71	Redondo Beach	CA	6	-118.388	33.849	-0.86	6.86
San Fernando	2/9/71	Rosemead	CA	6	-118.072	34.081	-0.98	6.98
San Fernando	2/9/71	Rubidoux	CA	6	-117.405	33.996	0.03	5.97
San Fernando	2/9/71	San Gabriel	CA	6	-118.105	34.096	-0.25	6.25
San Fernando	2/9/71	San Jacinto	CA	6	-116.958	33.784	0.19	5.81
San Fernando	2/9/71	San Marino	CA	6	-118.106	34.121	-1.08	7.08
San Fernando	2/9/71	Santa Ana	CA	6	-117.867	33.746	-0.70	6.70
San Fernando	2/9/71	Santa Fe Springs	CA	6	-118.084	33.947	-1.31	7.31
San Fernando	2/9/71	Santa Monica	CA	6	-118.490	34.019	1.17	4.83
San Fernando	2/9/71	Santa Susana	CA	6	-118.708	34.272	-1.42	7.42
San Fernando	2/9/71	Sierra Madre	CA	6	-118.052	34.162	-1.04	7.04
San Fernando	2/9/71	South Gate	CA	6	-118.211	33.955	-0.15	6.15
San Fernando	2/9/71	Studio City	CA	6	-118.396	34.149	-0.49	6.49
San Fernando	2/9/71	Thousand Oaks	CA	6	-118.837	34.171	-1.16	7.16
San Fernando	2/9/71	Topanga	CA	6	-118.601	34.094	-0.89	6.89
San Fernando	2/9/71	Torrance	CA	6	-118.340	33.836	-0.81	6.81
San Fernando	2/9/71	Tustin	CA	6	-117.825	33.746	-0.64	6.64
San Fernando	2/9/71	Twin Peaks	CA	6	-117.233	34.239	2.02	3.98
San Fernando	2/9/71	Upland	CA	6	-117.648	34.098	-0.79	6.79
San Fernando	2/9/71	Valinda	CA	6	-117.943	34.045	-0.88	6.88

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	Valyermo	CA	6	-117.851	34.446	-0.44	6.44
San Fernando	2/9/71	Venice	CA	6	-118.459	33.991	-1.12	7.12
San Fernando	2/9/71	Vincent	CA	6	-118.116	34.501	-1.51	7.51
San Fernando	2/9/71	Walnut	CA	6	-117.864	34.020	-1.09	7.09
San Fernando	2/9/71	West Covina	CA	6	-117.938	34.069	0.39	5.61
San Fernando	2/9/71	West Los Angeles	CA	6	-118.447	34.046	-0.32	6.32
San Fernando	2/9/71	Westwood	CA	6	-118.430	34.056	-1.27	7.27
San Fernando	2/9/71	Whittier	CA	6	-118.032	33.979	-0.88	6.88
San Fernando	2/9/71	Acton	CA	5	-118.196	34.470	-1.79	6.79
San Fernando	2/9/71	Adelanto	CA	5	-117.408	34.583	-0.83	5.83
San Fernando	2/9/71	Alta Loma	CA	5	-117.597	34.122	-1.21	6.21
San Fernando	2/9/71	Apple Valley	CA	5	-117.185	34.501	-0.46	5.46
San Fernando	2/9/71	Arroyo Grande	CA	5	-120.590	35.119	0.39	4.61
San Fernando	2/9/71	Artesia	CA	5	-118.082	33.866	-1.70	6.70
San Fernando	2/9/71	Arvin	CA	5	-118.828	35.209	0.57	4.43
San Fernando	2/9/71	Avalon	CA	5	-118.327	33.343	-0.71	5.71
San Fernando	2/9/71	Avila Beach	CA	5	-120.731	35.180	0.84	4.16
San Fernando	2/9/71	Azusa	CA	5	-117.907	34.134	-1.77	6.77
San Fernando	2/9/71	Bakersfield	CA	5	-119.018	35.373	0.08	4.92
San Fernando	2/9/71	Banta	CA	5	-121.370	37.754	1.46	3.54
San Fernando	2/9/71	Barstow	CA	5	-117.022	34.899	-0.39	5.39
San Fernando	2/9/71	Beaumont	CA	5	-116.976	33.929	-0.46	5.46
San Fernando	2/9/71	Bell	CA	5	-118.186	33.978	-2.02	7.02
San Fernando	2/9/71	Bell Gardens	CA	5	-118.151	33.965	-1.42	6.42
San Fernando	2/9/71	Bellflower	CA	5	-118.116	33.882	-1.23	6.23
San Fernando	2/9/71	Big Bear City	CA	5	-116.844	34.261	0.15	4.85
San Fernando	2/9/71	Big Bear Lake	CA	5	-116.911	34.244	-0.47	5.47
San Fernando	2/9/71	Bloomington	CA	5	-117.395	34.070	-0.81	5.81
San Fernando	2/9/71	Bodfish	CA	5	-118.491	35.588	-0.29	5.29
San Fernando	2/9/71	Bonsall	CA	5	-117.225	33.289	-0.10	5.10
San Fernando	2/9/71	Boron	CA	5	-117.649	34.999	-1.23	6.23
San Fernando	2/9/71	Brea	CA	5	-117.899	33.917	-1.51	6.51
San Fernando	2/9/71	Bryn Mawr	CA	5	-117.230	34.048	-0.71	5.71
San Fernando	2/9/71	Buellton	CA	5	-120.192	34.614	0.19	4.81
San Fernando	2/9/71	Buena Park	CA	5	-117.997	33.868	-1.56	6.56
San Fernando	2/9/71	Buttonwillow	CA	5	-119.469	35.401	0.57	4.43
San Fernando	2/9/71	Cadiz	CA	5	-115.512	34.520	1.69	3.31
San Fernando	2/9/71	Calabasas	CA	5	-118.638	34.158	-2.35	7.35
San Fernando	2/9/71	Caliente	CA	5	-118.627	35.291	0.15	4.85
San Fernando	2/9/71	California City	CA	5	-117.985	35.126	-0.86	5.86
San Fernando	2/9/71	California Hot Springs	CA	5	-118.673	35.880	0.03	4.97
San Fernando	2/9/71	California Valley	CA	5	-120.006	35.320	-0.16	5.16
San Fernando	2/9/71	Calimesa	CA	5	-117.061	34.004	-0.16	5.16
San Fernando	2/9/71	Cantil	CA	5	-117.968	35.309	-0.87	5.87
San Fernando	2/9/71	Capistrano Beach	CA	5	-117.671	33.463	-0.46	5.46
San Fernando	2/9/71	Carlsbad	CA	5	-117.350	33.158	-0.04	5.04
San Fernando	2/9/71	Carpinteria	CA	5	-119.518	34.399	-0.06	5.06
San Fernando	2/9/71	Cartago	CA	5	-118.026	36.321	1.43	3.57

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	Casmalia	CA	5	-120.530	34.838	0.41	4.59
San Fernando	2/9/71	Cathedral City	CA	5	-116.464	33.780	0.57	4.43
San Fernando	2/9/71	Cedar Glen	CA	5	-117.164	34.254	-0.45	5.45
San Fernando	2/9/71	Cedarpines Park	CA	5	-117.325	34.250	-1.01	6.01
San Fernando	2/9/71	Cherry Valley	CA	5	-116.976	33.973	-0.20	5.20
San Fernando	2/9/71	China Lake	CA	5	-117.661	35.651	1.06	3.94
San Fernando	2/9/71	Chino	CA	5	-117.688	34.012	-1.29	6.29
San Fernando	2/9/71	Claremont	CA	5	-117.719	34.097	-1.41	6.41
San Fernando	2/9/71	Coachella	CA	5	-116.173	33.680	1.67	3.33
San Fernando	2/9/71	Colton	CA	5	-117.313	34.074	-0.66	5.66
San Fernando	2/9/71	Corona	CA	5	-117.566	33.875	-1.44	6.44
San Fernando	2/9/71	Corona Del Mar	CA	5	-117.872	33.598	-0.94	5.94
San Fernando	2/9/71	Coronado	CA	5	-117.182	32.686	1.52	3.48
San Fernando	2/9/71	Crest Park	CA	5	-117.196	34.234	-0.51	5.51
San Fernando	2/9/71	Cuyama	CA	5	-119.614	34.935	-0.53	5.53
San Fernando	2/9/71	Daggett	CA	5	-116.887	34.863	-0.19	5.19
San Fernando	2/9/71	Dana Point	CA	5	-117.697	33.467	-0.50	5.50
San Fernando	2/9/71	Death Valley Junction	CA	5	-116.413	36.302	2.02	2.98
San Fernando	2/9/71	Del Mar	CA	5	-117.264	32.959	0.42	4.58
San Fernando	2/9/71	Delano	CA	5	-119.246	35.769	-0.01	5.01
San Fernando	2/9/71	Desert Center	CA	5	-115.401	33.713	2.56	2.44
San Fernando	2/9/71	Desert Hot Springs	CA	5	-116.501	33.961	0.39	4.61
San Fernando	2/9/71	Di Giorgio	CA	5	-118.851	35.253	-0.61	5.61
San Fernando	2/9/71	Diamond Bar	CA	5	-117.838	33.978	-1.50	6.50
San Fernando	2/9/71	Duarte	CA	5	-117.976	34.139	-2.07	7.07
San Fernando	2/9/71	Ducor	CA	5	-119.046	35.892	-0.19	5.19
San Fernando	2/9/71	East Los Angeles	CA	5	-118.171	34.024	-2.10	7.10
San Fernando	2/9/71	Edison	CA	5	-118.871	35.348	0.02	4.98
San Fernando	2/9/71	El Cajon	CA	5	-116.962	32.795	1.07	3.93
San Fernando	2/9/71	El Segundo	CA	5	-118.416	33.919	-1.96	6.96
San Fernando	2/9/71	El Toro	CA	5	-117.693	33.626	-0.84	5.84
San Fernando	2/9/71	Encinitas	CA	5	-117.291	33.037	0.25	4.75
San Fernando	2/9/71	Escondido	CA	5	-117.086	33.119	0.86	4.14
San Fernando	2/9/71	Essex	CA	5	-115.244	34.734	2.74	2.26
San Fernando	2/9/71	Exeter	CA	5	-119.141	36.296	0.14	4.86
San Fernando	2/9/71	Fallbrook	CA	5	-117.250	33.376	0.23	4.77
San Fernando	2/9/71	Farmersville	CA	5	-119.206	36.298	0.17	4.83
San Fernando	2/9/71	Fawnskin	CA	5	-116.942	34.268	-0.03	5.03
San Fernando	2/9/71	Fellows	CA	5	-119.540	35.179	0.35	4.65
San Fernando	2/9/71	Fontana	CA	5	-117.434	34.092	-1.40	6.40
San Fernando	2/9/71	Forest Falls	CA	5	-116.919	34.088	-0.44	5.44
San Fernando	2/9/71	Fountain Valley	CA	5	-117.953	33.709	-1.23	6.23
San Fernando	2/9/71	Frazier Park	CA	5	-118.944	34.823	-0.18	5.18
San Fernando	2/9/71	Garden Grove	CA	5	-117.941	33.774	-1.34	6.34
San Fernando	2/9/71	Gaviota	CA	5	-120.214	34.472	0.50	4.50
San Fernando	2/9/71	Gilman Hot Springs	CA	5	-116.988	33.836	-0.10	5.10
San Fernando	2/9/71	Glennville	CA	5	-118.703	35.729	-0.61	5.61
San Fernando	2/9/71	Goleta	CA	5	-119.827	34.436	0.77	4.23

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	Gorman	CA	5	-118.852	34.796	-1.86	6.86
San Fernando	2/9/71	Grover City	CA	5	-120.620	35.120	0.34	4.66
San Fernando	2/9/71	Halcyon	CA	5	-120.595	35.103	-0.55	5.55
San Fernando	2/9/71	Harbor City	CA	5	-118.297	33.790	-1.65	6.65
San Fernando	2/9/71	Helendale	CA	5	-117.324	34.744	-0.55	5.55
San Fernando	2/9/71	Hemet	CA	5	-116.971	33.748	0.20	4.80
San Fernando	2/9/71	Hermosa Beach	CA	5	-118.399	33.862	-0.90	5.90
San Fernando	2/9/71	Hesperia	CA	5	-117.300	34.426	-0.70	5.70
San Fernando	2/9/71	Highgrove	CA	5	-117.333	34.016	-0.87	5.87
San Fernando	2/9/71	Hinkley	CA	5	-117.198	34.935	-0.64	5.64
San Fernando	2/9/71	Homeland	CA	5	-117.108	33.743	-0.03	5.03
San Fernando	2/9/71	Huron	CA	5	-120.102	36.203	-0.05	5.05
San Fernando	2/9/71	Idyllwild	CA	5	-116.718	33.740	0.15	4.85
San Fernando	2/9/71	Imperial	CA	5	-115.569	32.848	3.04	1.96
San Fernando	2/9/71	Indio	CA	5	-116.215	33.721	1.56	3.44
San Fernando	2/9/71	Inglewood	CA	5	-118.352	33.962	-2.09	7.09
San Fernando	2/9/71	Inyokern	CA	5	-117.812	35.647	1.67	3.33
San Fernando	2/9/71	Irvine	CA	5	-117.822	33.669	-1.01	6.01
San Fernando	2/9/71	Irwindale	CA	5	-117.934	34.107	-1.96	6.96
San Fernando	2/9/71	Johannesburg	CA	5	-117.634	35.373	-0.55	5.55
San Fernando	2/9/71	Johnsontdale	CA	5	-118.540	35.975	0.50	4.50
San Fernando	2/9/71	Keene	CA	5	-118.561	35.224	-1.20	6.20
San Fernando	2/9/71	Kelso	CA	5	-115.653	35.013	2.28	2.72
San Fernando	2/9/71	Kernville	CA	5	-118.424	35.755	0.37	4.63
San Fernando	2/9/71	La Jolla	CA	5	-117.273	32.847	0.62	4.38
San Fernando	2/9/71	La Mesa	CA	5	-117.022	32.768	1.55	3.45
San Fernando	2/9/71	La Quinta	CA	5	-116.309	33.663	1.44	3.56
San Fernando	2/9/71	La Verne	CA	5	-117.767	34.101	-1.50	6.50
San Fernando	2/9/71	Laguna Beach	CA	5	-117.782	33.542	-0.24	5.24
San Fernando	2/9/71	Laguna Hills	CA	5	-117.712	33.613	-0.78	5.78
San Fernando	2/9/71	Lake Arrowhead	CA	5	-117.188	34.248	0.98	4.02
San Fernando	2/9/71	Lake Isabella	CA	5	-118.472	35.618	1.18	3.82
San Fernando	2/9/71	Lamont	CA	5	-118.913	35.260	-0.32	5.32
San Fernando	2/9/71	Laton	CA	5	-119.686	36.433	0.03	4.97
San Fernando	2/9/71	Lawndale	CA	5	-118.352	33.887	-1.43	6.43
San Fernando	2/9/71	Lebec	CA	5	-118.864	34.842	-1.29	6.29
San Fernando	2/9/71	Lemoore	CA	5	-119.782	36.301	0.50	4.50
San Fernando	2/9/71	Leucadia	CA	5	-117.303	33.068	0.18	4.82
San Fernando	2/9/71	Lincoln Acres	CA	5	-117.072	32.668	1.64	3.36
San Fernando	2/9/71	Little Lake	CA	5	-117.906	35.937	0.53	4.47
San Fernando	2/9/71	Loma Linda	CA	5	-117.260	34.048	-0.55	5.55
San Fernando	2/9/71	Lompoc	CA	5	-120.457	34.639	0.41	4.59
San Fernando	2/9/71	Lone Pine	CA	5	-118.062	36.606	1.72	3.28
San Fernando	2/9/71	Loraine	CA	5	-118.436	35.305	-1.04	6.04
San Fernando	2/9/71	Los Alamitos	CA	5	-118.072	33.803	-0.06	5.06
San Fernando	2/9/71	Los Olivos	CA	5	-120.114	34.668	0.30	4.70
San Fernando	2/9/71	Los Serranos	CA	5	-117.707	33.973	-1.43	6.43
San Fernando	2/9/71	Lost Hills	CA	5	-119.693	35.616	-0.23	5.23

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	Lucerne Valley	CA	5	-116.967	34.444	-0.07	5.07
San Fernando	2/9/71	Ludlow	CA	5	-116.159	34.721	1.03	3.97
San Fernando	2/9/71	Lynwood	CA	5	-118.211	33.930	-0.44	5.44
San Fernando	2/9/71	Mariposa	CA	5	-119.965	37.485	0.29	4.71
San Fernando	2/9/71	Mcfarland	CA	5	-119.228	35.678	-0.02	5.02
San Fernando	2/9/71	Mckittrick	CA	5	-119.622	35.306	-0.36	5.36
San Fernando	2/9/71	Mecca	CA	5	-116.076	33.572	1.93	3.07
San Fernando	2/9/71	Midway City	CA	5	-117.988	33.745	-1.37	6.37
San Fernando	2/9/71	Mira Loma	CA	5	-117.516	33.993	-1.47	6.47
San Fernando	2/9/71	Mojave	CA	5	-118.173	35.053	-0.65	5.65
San Fernando	2/9/71	Monolith	CA	5	-118.373	35.120	-1.46	6.46
San Fernando	2/9/71	Montclair	CA	5	-117.690	34.100	-1.36	6.36
San Fernando	2/9/71	Montebello	CA	5	-118.104	34.009	-1.43	6.43
San Fernando	2/9/71	Moreno	CA	5	-117.157	33.918	-0.47	5.47
San Fernando	2/9/71	Morongo Valley	CA	5	-116.580	34.047	0.71	4.29
San Fernando	2/9/71	Mount Wilson	CA	5	-118.065	34.226	-2.11	7.11
San Fernando	2/9/71	Murrieta	CA	5	-117.213	33.554	0.02	4.98
San Fernando	2/9/71	National City	CA	5	-117.098	32.678	1.13	3.87
San Fernando	2/9/71	Newberry Springs	CA	5	-116.688	34.827	0.63	4.37
San Fernando	2/9/71	Norwalk	CA	5	-118.081	33.902	-1.73	6.73
San Fernando	2/9/71	Nuevo	CA	5	-117.145	33.801	-0.65	5.65
San Fernando	2/9/71	Oak View	CA	5	-119.299	34.400	-0.84	5.84
San Fernando	2/9/71	Oceano	CA	5	-120.611	35.099	0.44	4.56
San Fernando	2/9/71	Oceanside	CA	5	-117.379	33.196	0.36	4.64
San Fernando	2/9/71	Ocotillo	CA	5	-115.993	32.739	2.51	2.49
San Fernando	2/9/71	Ojai	CA	5	-119.242	34.448	-0.49	5.49
San Fernando	2/9/71	Olancha	CA	5	-118.006	36.282	1.89	3.11
San Fernando	2/9/71	Orange	CA	5	-117.852	33.788	0.25	4.75
San Fernando	2/9/71	Oro Grande	CA	5	-117.333	34.599	-0.68	5.68
San Fernando	2/9/71	Pacific Palisades	CA	5	-118.526	34.048	-2.22	7.22
San Fernando	2/9/71	Pala	CA	5	-117.076	33.365	0.39	4.61
San Fernando	2/9/71	Palm Desert	CA	5	-116.374	33.722	0.78	4.22
San Fernando	2/9/71	Palm Springs	CA	5	-116.544	33.830	0.39	4.61
San Fernando	2/9/71	Paramount	CA	5	-118.159	33.889	-1.79	6.79
San Fernando	2/9/71	Pearblossom	CA	5	-117.909	34.506	-1.78	6.78
San Fernando	2/9/71	Pedley	CA	5	-117.475	33.975	-1.07	6.07
San Fernando	2/9/71	Perris	CA	5	-117.228	33.783	-0.77	5.77
San Fernando	2/9/71	Phelan	CA	5	-117.571	34.426	-1.21	6.21
San Fernando	2/9/71	Pico Rivera	CA	5	-118.096	33.983	-1.38	6.38
San Fernando	2/9/71	Pinon Hills	CA	5	-117.646	34.433	-1.34	6.34
San Fernando	2/9/71	Pixley	CA	5	-119.291	35.969	0.94	4.06
San Fernando	2/9/71	Pomona	CA	5	-117.751	34.055	-1.43	6.43
San Fernando	2/9/71	Porterville	CA	5	-119.016	36.065	0.59	4.41
San Fernando	2/9/71	Poway	CA	5	-117.035	32.963	1.19	3.81
San Fernando	2/9/71	Pumpkin Center	CA	5	-119.033	35.267	-0.79	5.79
San Fernando	2/9/71	Ramona	CA	5	-116.867	33.042	0.28	4.72
San Fernando	2/9/71	Rancho Mirage	CA	5	-116.412	33.740	0.69	4.31
San Fernando	2/9/71	Rancho Santa Fe	CA	5	-117.202	33.020	0.38	4.62

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	Randsburg	CA	5	-117.657	35.369	-0.48	5.48
San Fernando	2/9/71	Red Mountain	CA	5	-117.616	35.358	-0.55	5.55
San Fernando	2/9/71	Redlands	CA	5	-117.182	34.062	-0.42	5.42
San Fernando	2/9/71	Rialto	CA	5	-117.369	34.106	-1.29	6.29
San Fernando	2/9/71	Ridgecrest	CA	5	-117.670	35.623	1.80	3.20
San Fernando	2/9/71	Rimforest	CA	5	-117.224	34.230	-0.82	5.82
San Fernando	2/9/71	Ripley	CA	5	-114.655	33.525	4.33	0.67
San Fernando	2/9/71	Rolling Hills Estates	CA	5	-118.357	33.788	-1.66	6.66
San Fernando	2/9/71	Rosamond	CA	5	-118.163	34.864	-0.69	5.69
San Fernando	2/9/71	Running Springs	CA	5	-117.108	34.208	1.48	3.52
San Fernando	2/9/71	Salton City	CA	5	-115.940	33.310	1.91	3.09
San Fernando	2/9/71	San Bernardino	CA	5	-117.289	34.108	-0.64	5.64
San Fernando	2/9/71	San Clemente	CA	5	-117.611	33.427	-0.33	5.33
San Fernando	2/9/71	San Diego	CA	5	-117.156	32.715	0.99	4.01
San Fernando	2/9/71	San Dimas	CA	5	-117.806	34.107	-1.57	6.57
San Fernando	2/9/71	San Juan Capistrano	CA	5	-117.662	33.502	-0.52	5.52
San Fernando	2/9/71	San Luis Rey	CA	5	-117.323	33.232	0.36	4.64
San Fernando	2/9/71	San Pedro	CA	5	-118.291	33.736	-1.57	6.57
San Fernando	2/9/71	San Ysidro	CA	5	-117.042	32.552	1.42	3.58
San Fernando	2/9/71	Santa Barbara	CA	5	-119.697	34.421	0.92	4.08
San Fernando	2/9/71	Santa Maria	CA	5	-120.435	34.953	-0.15	5.15
San Fernando	2/9/71	Santa Paula	CA	5	-119.058	34.354	-0.27	5.27
San Fernando	2/9/71	Santa Ynez	CA	5	-120.079	34.614	0.51	4.49
San Fernando	2/9/71	Santa Ysabel	CA	5	-116.672	33.109	0.96	4.04
San Fernando	2/9/71	Santee	CA	5	-116.973	32.838	0.98	4.02
San Fernando	2/9/71	Seal Beach	CA	5	-118.104	33.741	-0.95	5.95
San Fernando	2/9/71	Seeley	CA	5	-115.690	32.793	3.41	1.59
San Fernando	2/9/71	Shafter	CA	5	-119.271	35.501	0.13	4.87
San Fernando	2/9/71	Shandon	CA	5	-120.374	35.655	-0.09	5.09
San Fernando	2/9/71	Shoshone	CA	5	-116.270	35.973	2.17	2.83
San Fernando	2/9/71	Signal Hill	CA	5	-118.167	33.804	-1.63	6.63
San Fernando	2/9/71	Silverado	CA	5	-117.636	33.746	-0.88	5.88
San Fernando	2/9/71	Simi	CA	5	-118.781	34.269	-2.29	7.29
San Fernando	2/9/71	Solana Beach	CA	5	-117.270	32.991	0.35	4.65
San Fernando	2/9/71	Solvang	CA	5	-120.137	34.596	-0.25	5.25
San Fernando	2/9/71	South Laguna	CA	5	-117.742	33.501	-0.66	5.66
San Fernando	2/9/71	South San Gabriel	CA	5	-118.089	34.063	-2.09	7.09
San Fernando	2/9/71	Stanton	CA	5	-117.992	33.803	-1.49	6.49
San Fernando	2/9/71	Sugarloaf	CA	5	-116.828	34.243	-0.31	5.31
San Fernando	2/9/71	Sultana	CA	5	-119.339	36.546	-0.01	5.01
San Fernando	2/9/71	Summerland	CA	5	-119.596	34.421	-0.43	5.43
San Fernando	2/9/71	Sun City	CA	5	-117.196	33.709	-0.64	5.64
San Fernando	2/9/71	Sunnymead	CA	5	-117.243	33.940	-0.64	5.64
San Fernando	2/9/71	Sunset Beach	CA	5	-118.068	33.716	-1.37	6.37
San Fernando	2/9/71	Surfside	CA	5	-118.081	33.728	-1.40	6.40
San Fernando	2/9/71	Taft	CA	5	-119.456	35.143	-0.46	5.46
San Fernando	2/9/71	Tecate	CA	5	-116.627	32.577	2.31	2.69
San Fernando	2/9/71	Tecopa	CA	5	-116.226	35.848	2.05	2.95

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	Tehachapi	CA	5	-118.448	35.132	-0.63	5.63
San Fernando	2/9/71	Temecula	CA	5	-117.148	33.494	0.21	4.79
San Fernando	2/9/71	Temple City	CA	5	-118.057	34.107	-1.49	6.49
San Fernando	2/9/71	Terra Bella	CA	5	-119.043	35.963	-0.18	5.18
San Fernando	2/9/71	Thermal	CA	5	-116.139	33.640	0.76	4.24
San Fernando	2/9/71	Thousand Palms	CA	5	-116.389	33.820	0.68	4.32
San Fernando	2/9/71	Tipton	CA	5	-119.311	36.059	0.03	4.97
San Fernando	2/9/71	Trabuco Canyon	CA	5	-117.589	33.663	-0.69	5.69
San Fernando	2/9/71	Traver	CA	5	-119.484	36.455	0.34	4.66
San Fernando	2/9/71	Trona	CA	5	-117.372	35.763	1.15	3.85
San Fernando	2/9/71	Ventura	CA	5	-119.292	34.278	0.50	4.50
San Fernando	2/9/71	Victorville	CA	5	-117.290	34.536	-0.64	5.64
San Fernando	2/9/71	Vista	CA	5	-117.242	33.200	0.52	4.48
San Fernando	2/9/71	Westend	CA	5	-117.391	35.707	0.43	4.57
San Fernando	2/9/71	Westminster	CA	5	-118.006	33.759	-1.38	6.38
San Fernando	2/9/71	Wheeler Ridge	CA	5	-118.949	35.004	-1.38	6.38
San Fernando	2/9/71	White Water	CA	5	-116.638	33.925	0.66	4.34
San Fernando	2/9/71	Wild	CA	5	-117.260	34.780	-0.77	5.77
San Fernando	2/9/71	Wilmington	CA	5	-118.262	33.780	-1.15	6.15
San Fernando	2/9/71	Winchester	CA	5	-117.084	33.707	0.05	4.95
San Fernando	2/9/71	Wrightwood	CA	5	-117.633	34.361	-0.83	5.83
San Fernando	2/9/71	Yermo	CA	5	-116.819	34.905	1.12	3.88
San Fernando	2/9/71	Yorba Linda	CA	5	-117.812	33.889	-1.34	6.34
San Fernando	2/9/71	Yucaipa	CA	5	-117.042	34.034	-0.64	5.64
San Fernando	2/9/71	Alpaugh	CA	4	-119.486	35.888	0.17	3.83
San Fernando	2/9/71	Amboy	CA	4	-115.744	34.558	0.76	3.24
San Fernando	2/9/71	Armona	CA	4	-119.708	36.316	-0.24	4.24
San Fernando	2/9/71	Atascadero	CA	4	-120.670	35.489	0.38	3.62
San Fernando	2/9/71	Avenal	CA	4	-120.128	36.004	0.21	3.79
San Fernando	2/9/71	Baker	CA	4	-116.074	35.265	1.58	2.42
San Fernando	2/9/71	Big Pine	CA	4	-118.289	37.165	1.23	2.77
San Fernando	2/9/71	Bishop	CA	4	-118.394	37.364	2.64	1.36
San Fernando	2/9/71	Blythe	CA	4	-114.596	33.610	3.61	0.39
San Fernando	2/9/71	Borrego Springs	CA	4	-116.374	33.256	0.74	3.26
San Fernando	2/9/71	Boulevard	CA	4	-116.260	32.670	1.62	2.38
San Fernando	2/9/71	Brawley	CA	4	-115.529	32.979	2.45	1.55
San Fernando	2/9/71	Burrel	CA	4	-119.984	36.488	0.08	3.92
San Fernando	2/9/71	Cabazon	CA	4	-116.786	33.918	-0.61	4.61
San Fernando	2/9/71	Calexico	CA	4	-115.498	32.679	2.87	1.13
San Fernando	2/9/71	Cambria	CA	4	-121.080	35.564	0.22	3.78
San Fernando	2/9/71	Camp Nelson	CA	4	-118.608	36.143	-0.10	4.10
San Fernando	2/9/71	Cardiff-By-The-Sea	CA	4	-117.280	33.022	-0.26	4.26
San Fernando	2/9/71	Cholame	CA	4	-120.296	35.724	-0.18	4.18
San Fernando	2/9/71	Chula Vista	CA	4	-117.083	32.640	0.71	3.29
San Fernando	2/9/71	Cima	CA	4	-115.498	35.238	1.70	2.30
San Fernando	2/9/71	Corcoran	CA	4	-119.559	36.098	0.16	3.84
San Fernando	2/9/71	Creston	CA	4	-120.523	35.519	-0.29	4.29
San Fernando	2/9/71	Darwin	CA	4	-117.591	36.268	0.42	3.58

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	Del Rey	CA	4	-119.593	36.659	0.11	3.89
San Fernando	2/9/71	Dinuba	CA	4	-119.386	36.543	0.01	3.99
San Fernando	2/9/71	Dulzura	CA	4	-116.781	32.644	1.00	3.00
San Fernando	2/9/71	Eagle Mountain	CA	4	-115.486	33.858	1.59	2.41
San Fernando	2/9/71	Earlimart	CA	4	-119.271	35.884	0.22	3.78
San Fernando	2/9/71	East Highlands	CA	4	-117.170	34.110	-1.65	5.65
San Fernando	2/9/71	East Las Vegas	NV	4	-115.041	36.094	3.30	0.70
San Fernando	2/9/71	Firebaugh	CA	4	-120.455	36.859	-0.02	4.02
San Fernando	2/9/71	Fowler	CA	4	-119.678	36.631	-0.09	4.09
San Fernando	2/9/71	Goodsprings	NV	4	-115.433	35.833	2.37	1.63
San Fernando	2/9/71	Guadalupe	CA	4	-120.571	34.972	0.39	3.61
San Fernando	2/9/71	Guatay	CA	4	-116.556	32.849	0.93	3.07
San Fernando	2/9/71	Helm	CA	4	-120.097	36.532	-0.49	4.49
San Fernando	2/9/71	Herndon	CA	4	-119.916	36.837	2.14	1.86
San Fernando	2/9/71	Imperial Beach	CA	4	-117.112	32.584	0.79	3.21
San Fernando	2/9/71	Independence	CA	4	-118.199	36.803	0.87	3.13
San Fernando	2/9/71	Ivanhoe	CA	4	-119.217	36.387	-0.34	4.34
San Fernando	2/9/71	Jacumba	CA	4	-116.189	32.618	1.90	2.10
San Fernando	2/9/71	Jamul	CA	4	-116.875	32.717	0.82	3.18
San Fernando	2/9/71	Joshua Tree	CA	4	-116.312	34.135	0.18	3.82
San Fernando	2/9/71	Keeler	CA	4	-117.873	36.487	0.76	3.24
San Fernando	2/9/71	Kingsburg	CA	4	-119.553	36.514	-0.11	4.11
San Fernando	2/9/71	Las Vegas	NV	4	-115.150	36.183	3.58	0.42
San Fernando	2/9/71	Lathrop Wells	NV	4	-116.400	36.640	2.24	1.76
San Fernando	2/9/71	Lemon Grove	CA	4	-117.031	32.743	0.58	3.42
San Fernando	2/9/71	Lindsay	CA	4	-119.087	36.203	0.47	3.53
San Fernando	2/9/71	Los Alamos	CA	4	-120.277	34.744	1.00	3.00
San Fernando	2/9/71	Miracle Hot Springs	CA	4	-118.534	35.576	-1.41	5.41
San Fernando	2/9/71	Mount Laguna	CA	4	-116.418	32.872	1.08	2.92
San Fernando	2/9/71	Mountain Center	CA	4	-116.725	33.704	-0.51	4.51
San Fernando	2/9/71	Needles	CA	4	-114.613	34.848	2.95	1.05
San Fernando	2/9/71	Nestor	CA	4	-117.083	32.576	0.81	3.19
San Fernando	2/9/71	Nipomo	CA	4	-120.475	35.043	-0.31	4.31
San Fernando	2/9/71	Nipton	CA	4	-115.271	35.467	2.28	1.72
San Fernando	2/9/71	Oildale	CA	4	-119.020	35.420	-0.76	4.76
San Fernando	2/9/71	Orosi	CA	4	-119.286	36.545	0.25	3.75
San Fernando	2/9/71	Overton	NV	4	-114.446	36.543	4.77	-0.77
San Fernando	2/9/71	Parkfield	CA	4	-120.432	35.900	0.71	3.29
San Fernando	2/9/71	Paso Robles	CA	4	-120.690	35.627	-0.16	4.16
San Fernando	2/9/71	Pauma Valley	CA	4	-116.981	33.303	-0.28	4.28
San Fernando	2/9/71	Piedra	CA	4	-119.381	36.810	0.15	3.85
San Fernando	2/9/71	Pismo Beach	CA	4	-120.640	35.143	0.01	3.99
San Fernando	2/9/71	Poplar	CA	4	-119.142	36.053	-0.08	4.08
San Fernando	2/9/71	Posey	CA	4	-118.682	35.805	-0.35	4.35
San Fernando	2/9/71	Potrero	CA	4	-116.612	32.605	3.53	0.47
San Fernando	2/9/71	San Marcos	CA	4	-117.165	33.143	0.22	3.78
San Fernando	2/9/71	Selma	CA	4	-119.611	36.571	0.10	3.90
San Fernando	2/9/71	Spring Valley	CA	4	-116.998	32.745	1.12	2.88

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	Stratford	CA	4	-119.822	36.189	0.47	3.53
San Fernando	2/9/71	Strathmore	CA	4	-119.060	36.146	0.25	3.75
San Fernando	2/9/71	Surf	CA	4	-120.603	34.684	0.13	3.87
San Fernando	2/9/71	Templeton	CA	4	-120.705	35.550	0.10	3.90
San Fernando	2/9/71	Three Rivers	CA	4	-118.904	36.439	0.19	3.81
San Fernando	2/9/71	Tulare	CA	4	-119.346	36.208	-0.02	4.02
San Fernando	2/9/71	Twentynine Palms	CA	4	-116.053	34.136	1.17	2.83
San Fernando	2/9/71	Valley Center	CA	4	-117.033	33.218	0.27	3.73
San Fernando	2/9/71	Vandenberg Air Force Base	CA	4	-120.580	34.730	0.62	3.38
San Fernando	2/9/71	Warner Springs	CA	4	-116.633	33.282	0.29	3.71
San Fernando	2/9/71	Wasco	CA	4	-119.340	35.594	-0.09	4.09
San Fernando	2/9/71	Weldon	CA	4	-118.289	35.666	-1.21	5.21
San Fernando	2/9/71	Woodville	CA	4	-119.198	36.094	-0.66	4.66
San Fernando	2/9/71	Woody	CA	4	-118.833	35.704	-0.23	4.23
San Fernando	2/9/71	Yettem	CA	4	-119.259	36.486	0.56	3.44
San Fernando	2/9/71	Yucca Valley	CA	4	-116.445	34.119	0.44	3.56
San Fernando	2/9/71	Beatty	NV	3	-116.758	36.909	1.39	1.61
San Fernando	2/9/71	Biola	CA	3	-120.015	36.802	-0.08	3.08
San Fernando	2/9/71	Boulder City	NV	3	-114.832	35.979	2.51	0.49
San Fernando	2/9/71	Caruthers	CA	3	-119.832	36.543	-0.03	3.03
San Fernando	2/9/71	Clovis	CA	3	-119.702	36.825	0.54	2.46
San Fernando	2/9/71	Earp	CA	3	-114.300	34.165	2.71	0.29
San Fernando	2/9/71	Fresno	CA	3	-119.771	36.748	0.10	2.90
San Fernando	2/9/71	Hanford	CA	3	-119.645	36.328	0.12	2.88
San Fernando	2/9/71	Heber	CA	3	-115.529	32.731	2.25	0.75
San Fernando	2/9/71	Holtville	CA	3	-115.379	32.811	1.90	1.10
San Fernando	2/9/71	Hornitos	CA	3	-120.237	37.502	0.20	2.80
San Fernando	2/9/71	June Lake	CA	3	-119.074	37.780	1.00	2.00
San Fernando	2/9/71	Kaweah	CA	3	-118.918	36.470	-0.84	3.84
San Fernando	2/9/71	Le Grand	CA	3	-120.247	37.229	0.19	2.81
San Fernando	2/9/71	Lockwood	CA	3	-121.081	35.937	-0.99	3.99
San Fernando	2/9/71	Logandale	NV	3	-114.483	36.597	3.78	-0.78
San Fernando	2/9/71	London	CA	3	-119.442	36.476	-0.66	3.66
San Fernando	2/9/71	Los Banos	CA	3	-120.849	37.058	0.05	2.95
San Fernando	2/9/71	Los Osos	CA	3	-120.831	35.311	-0.11	3.11
San Fernando	2/9/71	Merced	CA	3	-120.482	37.302	0.37	2.63
San Fernando	2/9/71	Milo	CA	3	-118.816	36.220	-0.87	3.87
San Fernando	2/9/71	Moapa	NV	3	-114.620	36.676	3.67	-0.67
San Fernando	2/9/71	Pahrump	NV	3	-115.983	36.208	2.00	1.00
San Fernando	2/9/71	Palo Verde	CA	3	-114.731	33.433	2.47	0.53
San Fernando	2/9/71	Palomar Mountain	CA	3	-116.870	33.360	-1.31	4.31
San Fernando	2/9/71	Parker Dam	CA	3	-114.142	34.287	2.99	0.01
San Fernando	2/9/71	Pinedale	CA	3	-119.789	36.843	0.25	2.75
San Fernando	2/9/71	Plaster City	CA	3	-115.858	32.793	1.02	1.98
San Fernando	2/9/71	Point Arguello	CA	3	-120.650	34.570	-0.71	3.71
San Fernando	2/9/71	Redtop	CA	3	-120.490	37.090	-0.06	3.06
San Fernando	2/9/71	Riverdale	CA	3	-119.859	36.431	-0.29	3.29

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
San Fernando	2/9/71	San Ardo	CA	3	-120.904	36.021	0.00	3.00
San Fernando	2/9/71	San Miguel	CA	3	-120.695	35.753	-0.09	3.09
San Fernando	2/9/71	Snelling	CA	3	-120.436	37.519	-0.03	3.03
San Fernando	2/9/71	Stockton	CA	3	-121.290	37.958	0.88	2.12
San Fernando	2/9/71	Strawberry	CA	3	-119.998	38.202	1.06	1.94
San Fernando	2/9/71	Tonopah	NV	3	-117.229	38.067	3.55	-0.55
San Fernando	2/9/71	Wofford Heights	CA	3	-118.455	35.707	-0.96	3.96
San Fernando	2/9/71	Yosemite National Park	CA	3	-119.630	37.750	1.69	1.31
Oroville	8/1/75	Oroville Area	CA	7	-121.550	39.520	0.46	6.54
Oroville	8/1/75	Palermo	CA	7	-121.537	39.436	0.33	6.67
Oroville	8/1/75	Thermalito	CA	7	-121.586	39.511	0.46	6.54
Oroville	8/1/75	Alta	CA	6	-120.810	39.207	1.08	4.92
Oroville	8/1/75	Bangor	CA	6	-121.404	39.389	0.73	5.27
Oroville	8/1/75	Beale Air Force Base	CA	6	-121.440	39.140	0.02	5.98
Oroville	8/1/75	Berry Creek	CA	6	-121.402	39.645	-0.20	6.20
Oroville	8/1/75	Biggs	CA	6	-121.712	39.413	-0.39	6.39
Oroville	8/1/75	Brownsville	CA	6	-121.268	39.473	-0.22	6.22
Oroville	8/1/75	Camptonville	CA	6	-121.048	39.452	1.37	4.63
Oroville	8/1/75	Feather Falls	CA	6	-121.255	39.593	-0.10	6.10
Oroville	8/1/75	Marysville	CA	6	-121.590	39.146	0.54	5.46
Oroville	8/1/75	Paradise	CA	6	-121.621	39.760	1.19	4.81
Oroville	8/1/75	Richvale	CA	6	-121.744	39.494	0.04	5.96
Oroville	8/1/75	Sacramento	CA	6	-121.493	38.582	0.86	5.14
Oroville	8/1/75	Sheridan	CA	6	-121.374	38.980	0.96	5.04
Oroville	8/1/75	Wallace	CA	6	-120.977	38.194	0.25	5.75
Oroville	8/1/75	Yuba City	CA	6	-121.616	39.141	0.54	5.46
Oroville	8/1/75	Applegate	CA	5	-120.991	39.001	0.14	4.86
Oroville	8/1/75	Artois	CA	5	-122.193	39.620	0.62	4.38
Oroville	8/1/75	Auburn	CA	5	-121.076	38.897	-0.19	5.19
Oroville	8/1/75	Baxter	CA	5	-120.780	39.213	-0.25	5.25
Oroville	8/1/75	Belden	CA	5	-121.248	40.006	-0.33	5.33
Oroville	8/1/75	Blairsden	CA	5	-120.616	39.781	2.08	2.92
Oroville	8/1/75	Broderick	CA	5	-121.516	38.591	0.28	4.72
Oroville	8/1/75	Brooks	CA	5	-122.147	38.742	0.48	4.52
Oroville	8/1/75	Browns Valley	CA	5	-121.408	39.242	-0.36	5.36
Oroville	8/1/75	Bryte	CA	5	-121.541	38.595	-0.17	5.17
Oroville	8/1/75	Butte City	CA	5	-121.989	39.465	-0.91	5.91
Oroville	8/1/75	Camino	CA	5	-120.674	38.738	0.38	4.62
Oroville	8/1/75	Canyondam	CA	5	-121.072	40.172	0.14	4.86
Oroville	8/1/75	Challenge	CA	5	-121.223	39.488	0.71	4.29
Oroville	8/1/75	Chester	CA	5	-121.231	40.306	1.34	3.66
Oroville	8/1/75	Chicago Park	CA	5	-120.960	39.150	-0.47	5.47
Oroville	8/1/75	Citrus Heights	CA	5	-121.280	38.707	-0.11	5.11
Oroville	8/1/75	Clarksburg	CA	5	-121.526	38.421	0.10	4.90
Oroville	8/1/75	Clipper Mills	CA	5	-121.156	39.533	-1.00	6.00
Oroville	8/1/75	Clovis	CA	5	-119.702	36.825	0.54	4.46
Oroville	8/1/75	Crescent Mills	CA	5	-120.910	40.097	0.14	4.86
Oroville	8/1/75	Davis	CA	5	-121.739	38.545	-0.63	5.63

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Oroville	8/1/75	Delevan	CA	5	-122.190	39.354	-0.53	5.53
Oroville	8/1/75	Delhi	CA	5	-120.778	37.432	-0.05	5.05
Oroville	8/1/75	Dixon	CA	5	-121.822	38.446	-0.15	5.15
Oroville	8/1/75	Dobbins	CA	5	-121.205	39.372	-1.09	6.09
Oroville	8/1/75	Downieville	CA	5	-120.826	39.559	-0.42	5.42
Oroville	8/1/75	Dunnigan	CA	5	-121.969	38.885	0.51	4.49
Oroville	8/1/75	Durham	CA	5	-121.799	39.646	-1.06	6.06
Oroville	8/1/75	Dutch Flat	CA	5	-120.837	39.206	0.73	4.27
Oroville	8/1/75	Elk Grove	CA	5	-121.371	38.409	-0.23	5.23
Oroville	8/1/75	Elverta	CA	5	-121.462	38.714	0.55	4.45
Oroville	8/1/75	Fairfield	CA	5	-122.039	38.249	-0.14	5.14
Oroville	8/1/75	Forbestown	CA	5	-121.266	39.517	-1.20	6.20
Oroville	8/1/75	Forest Ranch	CA	5	-121.672	39.882	-0.69	5.69
Oroville	8/1/75	Foresthill	CA	5	-120.817	39.020	1.08	3.92
Oroville	8/1/75	Garden Valley	CA	5	-120.858	38.854	0.57	4.43
Oroville	8/1/75	Glencoe	CA	5	-120.584	38.354	0.77	4.23
Oroville	8/1/75	Gold Run	CA	5	-120.855	39.181	0.93	4.07
Oroville	8/1/75	Grass Valley	CA	5	-121.060	39.219	-0.70	5.70
Oroville	8/1/75	Gridley	CA	5	-121.693	39.364	-1.37	6.37
Oroville	8/1/75	Grimes	CA	5	-121.893	39.074	-0.64	5.64
Oroville	8/1/75	Guinda	CA	5	-122.193	38.829	0.13	4.87
Oroville	8/1/75	Hamilton City	CA	5	-122.013	39.743	1.29	3.71
Oroville	8/1/75	Hathaway Pines	CA	5	-120.364	38.192	0.42	4.58
Oroville	8/1/75	Hickman	CA	5	-120.753	37.624	-0.12	5.12
Oroville	8/1/75	Ione	CA	5	-120.932	38.353	-0.02	5.02
Oroville	8/1/75	Iowa Hill	CA	5	-120.858	39.109	1.43	3.57
Oroville	8/1/75	Keyes	CA	5	-120.914	37.557	-0.24	5.24
Oroville	8/1/75	Knights Landing	CA	5	-121.717	38.800	0.52	4.48
Oroville	8/1/75	Livingston	CA	5	-120.723	37.387	0.48	4.52
Oroville	8/1/75	Long Barn	CA	5	-120.133	38.093	0.88	4.12
Oroville	8/1/75	Loomis	CA	5	-121.192	38.821	-0.54	5.54
Oroville	8/1/75	Madison	CA	5	-121.967	38.679	-0.16	5.16
Oroville	8/1/75	Magalia	CA	5	-121.577	39.812	-0.87	5.87
Oroville	8/1/75	Maxwell	CA	5	-122.190	39.276	-0.49	5.49
Oroville	8/1/75	Meadow Valley	CA	5	-121.060	39.930	-0.32	5.32
Oroville	8/1/75	Mount Aukum	CA	5	-120.730	38.560	0.85	4.15
Oroville	8/1/75	Mountain Ranch	CA	5	-120.540	38.228	0.20	4.80
Oroville	8/1/75	Murphys	CA	5	-120.459	38.138	0.79	4.21
Oroville	8/1/75	Nelson	CA	5	-121.764	39.552	-1.24	6.24
Oroville	8/1/75	Nevada City	CA	5	-121.015	39.262	-0.12	5.12
Oroville	8/1/75	North San Juan	CA	5	-121.103	39.369	-0.30	5.30
Oroville	8/1/75	Olivehurst	CA	5	-121.551	39.096	0.48	4.52
Oroville	8/1/75	Ordbend	CA	5	-122.004	39.630	-0.79	5.79
Oroville	8/1/75	Oregon House	CA	5	-121.278	39.356	-1.19	6.19
Oroville	8/1/75	Orland	CA	5	-122.195	39.748	-0.36	5.36
Oroville	8/1/75	Pacific House	CA	5	-120.500	38.770	0.71	4.29
Oroville	8/1/75	Parkway	CA	5	-121.458	38.496	0.85	4.15
Oroville	8/1/75	Princeton	CA	5	-122.009	39.403	0.17	4.83

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Oroville	8/1/75	Proberta	CA	5	-122.169	40.082	2.23	2.77
Oroville	8/1/75	Pulga	CA	5	-121.448	39.803	1.92	3.08
Oroville	8/1/75	Quincy	CA	5	-120.946	39.937	0.73	4.27
Oroville	8/1/75	Rackerby	CA	5	-121.340	39.440	-1.35	6.35
Oroville	8/1/75	Red Bluff	CA	5	-122.235	40.179	0.36	4.64
Oroville	8/1/75	Rescue	CA	5	-120.950	38.710	0.31	4.69
Oroville	8/1/75	Richardson Springs	CA	5	-121.776	39.840	-0.72	5.72
Oroville	8/1/75	Rio Oso	CA	5	-121.543	38.961	0.07	4.93
Oroville	8/1/75	Ripon	CA	5	-121.123	37.742	-0.16	5.16
Oroville	8/1/75	Robbins	CA	5	-121.705	38.870	0.35	4.65
Oroville	8/1/75	Rocklin	CA	5	-121.235	38.791	0.12	4.88
Oroville	8/1/75	Rumsey	CA	5	-122.236	38.888	0.08	4.92
Oroville	8/1/75	Salida	CA	5	-121.084	37.706	0.12	4.88
Oroville	8/1/75	Sheep Ranch	CA	5	-120.463	38.209	1.72	3.28
Oroville	8/1/75	Sierra City	CA	5	-120.633	39.566	-0.08	5.08
Oroville	8/1/75	Smartville	CA	5	-121.298	39.208	-1.00	6.00
Oroville	8/1/75	Stirling City	CA	5	-121.527	39.908	-0.66	5.66
Oroville	8/1/75	Stockton	CA	5	-121.290	37.958	0.88	4.12
Oroville	8/1/75	Storrie	CA	5	-121.322	39.918	-0.57	5.57
Oroville	8/1/75	Strawberry Valley	CA	5	-121.106	39.564	0.63	4.37
Oroville	8/1/75	Tahoe Vista	CA	5	-120.050	39.240	1.25	3.75
Oroville	8/1/75	Trowbridge	CA	5	-121.524	38.911	-0.67	5.67
Oroville	8/1/75	Twain	CA	5	-121.071	40.020	-0.16	5.16
Oroville	8/1/75	Twin Bridges	CA	5	-120.123	38.811	1.21	3.79
Oroville	8/1/75	Wheatland	CA	5	-121.422	39.010	-0.01	5.01
Oroville	8/1/75	Williams	CA	5	-122.148	39.155	-0.39	5.39
Oroville	8/1/75	Willows	CA	5	-122.193	39.524	-0.54	5.54
Oroville	8/1/75	Wilseyville	CA	5	-120.514	38.379	0.82	4.18
Oroville	8/1/75	Woodland	CA	5	-121.772	38.679	0.41	4.59
Oroville	8/1/75	Acampo	CA	4	-121.278	38.175	-0.62	4.62
Oroville	8/1/75	Alleghany	CA	4	-120.842	39.470	-1.47	5.47
Oroville	8/1/75	Amador City	CA	4	-120.823	38.419	0.00	4.00
Oroville	8/1/75	Anderson	CA	4	-122.297	40.448	-0.06	4.06
Oroville	8/1/75	Arbuckle	CA	4	-122.057	39.018	-1.01	5.01
Oroville	8/1/75	Atwater	CA	4	-120.608	37.348	0.05	3.95
Oroville	8/1/75	Avery	CA	4	-120.369	38.204	-0.46	4.46
Oroville	8/1/75	Banta	CA	4	-121.370	37.754	1.46	2.54
Oroville	8/1/75	Bethel Island	CA	4	-121.639	38.015	-0.37	4.37
Oroville	8/1/75	Caribou	CA	4	-121.157	40.081	-1.11	5.11
Oroville	8/1/75	Carmichael	CA	4	-121.327	38.617	-0.11	4.11
Oroville	8/1/75	Carson City	NV	4	-119.766	39.164	1.92	2.08
Oroville	8/1/75	Castle Air Force Base	CA	4	-120.570	37.380	0.03	3.97
Oroville	8/1/75	Chico	CA	4	-121.836	39.729	-0.47	4.47
Oroville	8/1/75	Clements	CA	4	-121.087	38.191	-0.85	4.85
Oroville	8/1/75	Clio	CA	4	-120.579	39.743	-0.88	4.88
Oroville	8/1/75	Colfax	CA	4	-120.952	39.101	-1.39	5.39
Oroville	8/1/75	College City	CA	4	-122.008	39.006	-1.39	5.39

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Oroville	8/1/75	Coloma	CA	4	-120.889	38.800	-0.82	4.82
Oroville	8/1/75	Colusa	CA	4	-122.008	39.214	-0.97	4.97
Oroville	8/1/75	Copperopolis	CA	4	-120.641	37.981	-0.43	4.43
Oroville	8/1/75	Courtland	CA	4	-121.568	38.331	-0.15	4.15
Oroville	8/1/75	Denair	CA	4	-120.796	37.526	0.23	3.77
Oroville	8/1/75	Diamond Springs	CA	4	-120.814	38.695	-0.55	4.55
Oroville	8/1/75	Dos Palos	CA	4	-120.626	36.986	0.20	3.80
Oroville	8/1/75	East Nicolaus	CA	4	-121.544	38.910	-0.01	4.01
Oroville	8/1/75	Echo Lake	CA	4	-120.041	38.834	0.31	3.69
Oroville	8/1/75	El Dorado	CA	4	-120.847	38.683	-0.56	4.56
Oroville	8/1/75	El Portal	CA	4	-119.783	37.675	0.38	3.62
Oroville	8/1/75	Elk Creek	CA	4	-122.538	39.605	-0.90	4.90
Oroville	8/1/75	Elmira	CA	4	-121.909	38.348	-0.42	4.42
Oroville	8/1/75	Esparto	CA	4	-122.016	38.692	-0.09	4.09
Oroville	8/1/75	Fallen Leaf	CA	4	-120.072	38.883	0.21	3.79
Oroville	8/1/75	Farmington	CA	4	-120.999	37.930	0.04	3.96
Oroville	8/1/75	Fiddletown	CA	4	-120.754	38.504	-0.20	4.20
Oroville	8/1/75	Folsom	CA	4	-121.175	38.678	-0.82	4.82
Oroville	8/1/75	French Camp	CA	4	-121.270	37.884	-0.18	4.18
Oroville	8/1/75	Georgetown	CA	4	-120.838	38.907	0.56	3.44
Oroville	8/1/75	Gerber	CA	4	-122.149	40.056	-0.95	4.95
Oroville	8/1/75	Goodyears Bar	CA	4	-120.883	39.540	-1.52	5.52
Oroville	8/1/75	Graeagle	CA	4	-120.618	39.766	-0.92	4.92
Oroville	8/1/75	Greenwood	CA	4	-122.193	39.696	-1.42	5.42
Oroville	8/1/75	Grizzly Flats	CA	4	-120.530	38.640	-0.12	4.12
Oroville	8/1/75	Herald	CA	4	-121.243	38.296	-0.46	4.46
Oroville	8/1/75	Hood	CA	4	-121.516	38.368	-0.66	4.66
Oroville	8/1/75	Isleton	CA	4	-121.611	38.162	0.00	4.00
Oroville	8/1/75	Keddie	CA	4	-120.960	40.015	-1.06	5.06
Oroville	8/1/75	Kelsey	CA	4	-120.820	38.799	-0.74	4.74
Oroville	8/1/75	Kings Beach	CA	4	-120.026	39.238	0.73	3.27
Oroville	8/1/75	Lathrop	CA	4	-121.276	37.823	-0.31	4.31
Oroville	8/1/75	Le Grand	CA	4	-120.247	37.229	0.19	3.81
Oroville	8/1/75	Lincoln	CA	4	-121.292	38.892	-0.31	4.31
Oroville	8/1/75	Lincoln Village	CA	4	-121.327	38.005	0.62	3.38
Oroville	8/1/75	Lodi	CA	4	-121.271	38.130	0.01	3.99
Oroville	8/1/75	Lotus	CA	4	-120.908	38.802	-0.84	4.84
Oroville	8/1/75	Mc Clellan Air Force Base	CA	4	-121.400	38.670	0.65	3.35
Oroville	8/1/75	Meadow Vista	CA	4	-121.021	39.001	-1.33	5.33
Oroville	8/1/75	Minden	NV	4	-119.765	38.954	1.49	2.51
Oroville	8/1/75	Mineral	CA	4	-121.594	40.348	-0.65	4.65
Oroville	8/1/75	Newcastle	CA	4	-121.132	38.874	-1.20	5.20
Oroville	8/1/75	Nicolaus	CA	4	-121.577	38.903	-0.30	4.30
Oroville	8/1/75	North Highlands	CA	4	-121.371	38.686	-1.13	5.13
Oroville	8/1/75	Nubieber	CA	4	-121.182	41.096	1.11	2.89
Oroville	8/1/75	Orangevale	CA	4	-121.225	38.679	-1.06	5.06
Oroville	8/1/75	Penryn	CA	4	-121.168	38.852	-1.02	5.02

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Oroville	8/1/75	Placerville	CA	4	-120.798	38.730	0.06	3.94
Oroville	8/1/75	Pleasant Grove	CA	4	-121.483	38.824	-0.03	4.03
Oroville	8/1/75	Pollock Pines	CA	4	-120.586	38.761	0.51	3.49
Oroville	8/1/75	Rail Road Flat	CA	4	-120.510	38.340	0.35	3.65
Oroville	8/1/75	Reno	NV	4	-119.813	39.530	2.01	1.99
Oroville	8/1/75	Represa	CA	4	-121.170	38.680	-0.83	4.83
Oroville	8/1/75	Rough And Ready	CA	4	-121.135	39.230	-1.83	5.83
Oroville	8/1/75	Ryde	CA	4	-121.559	38.239	-0.25	4.25
Oroville	8/1/75	Sloughhouse	CA	4	-121.193	38.496	0.09	3.91
Oroville	8/1/75	Smithflat	CA	4	-120.754	38.735	-0.55	4.55
Oroville	8/1/75	Steamboat	NV	4	-119.720	39.380	0.53	3.47
Oroville	8/1/75	Tahoe City	CA	4	-120.138	39.172	1.16	2.84
Oroville	8/1/75	Tahoe Paradise	CA	4	-120.030	38.900	0.26	3.74
Oroville	8/1/75	Tehama	CA	4	-122.122	40.027	-1.03	5.03
Oroville	8/1/75	Thornton	CA	4	-121.424	38.226	-0.51	4.51
Oroville	8/1/75	Truckee	CA	4	-120.182	39.328	0.89	3.11
Oroville	8/1/75	Turlock	CA	4	-120.846	37.495	0.35	3.65
Oroville	8/1/75	Twain Harte	CA	4	-120.232	38.040	0.41	3.59
Oroville	8/1/75	Valley Home	CA	4	-120.911	37.829	-0.32	4.32
Oroville	8/1/75	Victor	CA	4	-121.205	38.138	-0.68	4.68
Oroville	8/1/75	Volcano	CA	4	-120.630	38.443	0.76	3.24
Oroville	8/1/75	Walnut Grove	CA	4	-121.511	38.242	-0.05	4.05
Oroville	8/1/75	Waterford	CA	4	-120.759	37.641	-0.19	4.19
Oroville	8/1/75	Weed	CA	4	-122.385	41.423	3.61	0.39
Oroville	8/1/75	Weimar	CA	4	-120.971	39.038	-1.32	5.32
Oroville	8/1/75	West Point	CA	4	-120.526	38.399	0.11	3.89
Oroville	8/1/75	West Sacramento	CA	4	-121.529	38.581	0.11	3.89
Oroville	8/1/75	Wilton	CA	4	-121.271	38.412	-0.98	4.98
Oroville	8/1/75	Winters	CA	4	-121.970	38.525	-0.70	4.70
Oroville	8/1/75	Yolo	CA	4	-121.807	38.732	-0.15	4.15
Oroville	8/1/75	Yosemite National Park	CA	4	-119.630	37.750	1.69	2.31
Oroville	8/1/75	Altaville	CA	3	-120.561	38.084	-0.37	3.37
Oroville	8/1/75	Angels Camp	CA	3	-120.539	38.068	-0.24	3.24
Oroville	8/1/75	Antioch	CA	3	-121.805	38.005	-0.36	3.36
Oroville	8/1/75	Ballico	CA	3	-120.705	37.454	-0.12	3.12
Oroville	8/1/75	Berkeley	CA	3	-122.272	37.872	-0.02	3.02
Oroville	8/1/75	Bieber	CA	3	-121.143	41.121	0.18	2.82
Oroville	8/1/75	Boonville	CA	3	-123.365	39.009	-0.13	3.13
Oroville	8/1/75	Byron	CA	3	-121.637	37.867	-0.40	3.40
Oroville	8/1/75	Calistoga	CA	3	-122.579	38.579	-0.10	3.10
Oroville	8/1/75	Campo Seco	CA	3	-120.852	38.227	-1.28	4.28
Oroville	8/1/75	Caspar	CA	3	-123.815	39.364	0.33	2.67
Oroville	8/1/75	Cassel	CA	3	-121.547	40.919	-0.35	3.35
Oroville	8/1/75	Columbia	CA	3	-120.400	38.036	0.12	2.88
Oroville	8/1/75	Corning	CA	3	-122.178	39.928	-0.36	3.36
Oroville	8/1/75	Cottonwood	CA	3	-122.280	40.386	0.64	2.36
Oroville	8/1/75	Cressey	CA	3	-120.666	37.420	-0.16	3.16

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Oroville	8/1/75	Crows Landing	CA	3	-121.071	37.394	-0.58	3.58
Oroville	8/1/75	Dayton	NV	3	-119.592	39.237	-0.21	3.21
Oroville	8/1/75	Escalon	CA	3	-120.996	37.798	-0.67	3.67
Oroville	8/1/75	Fernley	NV	3	-119.250	39.610	1.63	1.37
Oroville	8/1/75	Galt	CA	3	-121.299	38.255	-0.72	3.72
Oroville	8/1/75	Gerlach	NV	3	-119.360	40.650	1.01	1.99
Oroville	8/1/75	Gustine	CA	3	-120.998	37.258	-0.32	3.32
Oroville	8/1/75	Hat Creek	CA	3	-121.500	40.790	-0.64	3.64
Oroville	8/1/75	Hayfork	CA	3	-123.182	40.554	0.13	2.87
Oroville	8/1/75	Hilmar	CA	3	-120.849	37.409	0.15	2.85
Oroville	8/1/75	Homewood	CA	3	-120.159	39.087	1.20	1.80
Oroville	8/1/75	Hughson	CA	3	-120.865	37.597	-0.27	3.27
Oroville	8/1/75	Jackson	CA	3	-120.773	38.349	0.01	2.99
Oroville	8/1/75	June Lake	CA	3	-119.074	37.780	1.00	2.00
Oroville	8/1/75	Knightesen	CA	3	-121.667	37.969	-0.41	3.41
Oroville	8/1/75	Lee Vining	CA	3	-119.121	37.958	1.36	1.64
Oroville	8/1/75	Liberty Farms	CA	3	-121.710	38.400	-1.29	4.29
Oroville	8/1/75	Linden	CA	3	-121.083	38.021	-0.94	3.94
Oroville	8/1/75	Lockeford	CA	3	-121.149	38.164	-0.81	3.81
Oroville	8/1/75	Los Molinos	CA	3	-122.099	40.021	-0.22	3.22
Oroville	8/1/75	Lovelock	NV	3	-118.473	40.179	3.09	-0.09
Oroville	8/1/75	Madera	CA	3	-120.060	36.961	-0.03	3.03
Oroville	8/1/75	Manton	CA	3	-121.869	40.435	-1.38	4.38
Oroville	8/1/75	Manzanita Lake	CA	3	-121.560	40.536	-1.22	4.22
Oroville	8/1/75	Mc Arthur	CA	3	-120.540	41.340	0.96	2.04
Oroville	8/1/75	Menlo Park	CA	3	-122.181	37.454	-0.22	3.22
Oroville	8/1/75	Merced	CA	3	-120.482	37.302	0.37	2.63
Oroville	8/1/75	Modesto	CA	3	-120.996	37.639	-0.39	3.39
Oroville	8/1/75	Mokelumne Hill	CA	3	-120.705	38.301	-0.65	3.65
Oroville	8/1/75	Newman	CA	3	-121.020	37.314	-0.43	3.43
Oroville	8/1/75	Nixon	NV	3	-119.360	39.830	0.25	2.75
Oroville	8/1/75	Norden	CA	3	-120.355	39.318	0.21	2.79
Oroville	8/1/75	Oakland	CA	3	-122.270	37.804	-0.14	3.14
Oroville	8/1/75	Patterson	CA	3	-121.129	37.472	-0.34	3.34
Oroville	8/1/75	Paynes Creek	CA	3	-121.914	40.336	-1.58	4.58
Oroville	8/1/75	Philo	CA	3	-123.444	39.066	0.51	2.49
Oroville	8/1/75	Pinecrest	CA	3	-119.990	38.189	1.29	1.71
Oroville	8/1/75	Pleasant Hill	CA	3	-122.060	37.948	-0.84	3.84
Oroville	8/1/75	Potter Valley	CA	3	-123.112	39.322	1.07	1.93
Oroville	8/1/75	Redding	CA	3	-122.391	40.587	1.13	1.87
Oroville	8/1/75	Redwood City	CA	3	-122.235	37.485	-0.29	3.29
Oroville	8/1/75	Rio Linda	CA	3	-121.448	38.691	-1.65	4.65
Oroville	8/1/75	Rio Vista	CA	3	-121.690	38.156	-0.53	3.53
Oroville	8/1/75	Riverbank	CA	3	-120.934	37.736	-0.08	3.08
Oroville	8/1/75	Rodeo	CA	3	-122.266	38.033	-0.03	3.03
Oroville	8/1/75	San Lorenzo	CA	3	-122.123	37.681	-0.48	3.48
Oroville	8/1/75	Sanitarium	CA	3	-122.474	38.545	-1.05	4.05
Oroville	8/1/75	Solano	CA	3	-122.000	38.300	-0.95	3.95

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Oroville	8/1/75	South Lake Tahoe	CA	3	-119.983	38.933	1.46	1.54
Oroville	8/1/75	Sparks	NV	3	-119.752	39.535	1.74	1.26
Oroville	8/1/75	Stevinson	CA	3	-120.851	37.328	-0.40	3.40
Oroville	8/1/75	Stonyford	CA	3	-122.543	39.375	-1.92	4.92
Oroville	8/1/75	Strawberry	CA	3	-119.998	38.202	1.06	1.94
Oroville	8/1/75	Tahoma	CA	3	-120.127	39.068	0.46	2.54
Oroville	8/1/75	Tracy	CA	3	-121.424	37.740	-0.42	3.42
Oroville	8/1/75	Travis Air Force Base	CA	3	-121.930	38.250	-0.84	3.84
Oroville	8/1/75	Tuolumne	CA	3	-120.236	37.961	0.14	2.86
Oroville	8/1/75	Valley Springs	CA	3	-120.828	38.192	0.10	2.90
Oroville	8/1/75	Verdi	NV	3	-119.988	39.518	-0.95	3.95
Oroville	8/1/75	Vernalis	CA	3	-121.286	37.631	0.06	2.94
Oroville	8/1/75	Vina	CA	3	-122.053	39.933	-2.28	5.28
Oroville	8/1/75	Winton	CA	3	-120.612	37.389	-0.47	3.47
Oroville	8/1/75	Woodbridge	CA	3	-121.300	38.154	-0.83	3.83
Oroville	8/1/75	Yountville	CA	3	-122.360	38.402	-0.32	3.32
Oroville	8/1/75	Zamora	CA	3	-121.881	38.797	-1.64	4.64
Parkfield75	9/13/75	Avenal	CA	6	-120.128	36.004	0.21	5.79
Parkfield75	9/13/75	Bradley	CA	5	-120.800	35.863	-0.98	5.98
Parkfield75	9/13/75	Coalinga	CA	5	-120.359	36.140	0.29	4.71
Parkfield75	9/13/75	Creston	CA	5	-120.523	35.519	-0.29	5.29
Parkfield75	9/13/75	Jolon	CA	5	-121.175	35.971	0.04	4.96
Parkfield75	9/13/75	San Ardo	CA	5	-120.904	36.021	0.00	5.00
Parkfield75	9/13/75	San Miguel	CA	5	-120.695	35.753	-0.09	5.09
Parkfield75	9/13/75	Santa Margarita	CA	5	-120.608	35.390	-0.41	5.41
Parkfield75	9/13/75	Shandon	CA	5	-120.374	35.655	-0.09	5.09
Parkfield75	9/13/75	Templeton	CA	5	-120.705	35.550	0.10	4.90
Parkfield75	9/13/75	Avila Beach	CA	4	-120.731	35.180	0.84	3.16
Parkfield75	9/13/75	Cayucos	CA	4	-120.891	35.443	-0.73	4.73
Parkfield75	9/13/75	Cholame	CA	4	-120.296	35.724	-0.18	4.18
Parkfield75	9/13/75	King City	CA	4	-121.125	36.213	-0.43	4.43
Parkfield75	9/13/75	Lemoore Naval Air Station	CA	4	-119.930	36.300	-0.11	4.11
Parkfield75	9/13/75	Oceano	CA	4	-120.611	35.099	0.44	3.56
Parkfield75	9/13/75	Paso Robles	CA	4	-120.690	35.627	-0.16	4.16
Parkfield75	9/13/75	San Luis Obispo	CA	4	-120.659	35.283	0.17	3.83
Parkfield75	9/13/75	Armona	CA	3	-119.708	36.316	-0.24	3.24
Parkfield75	9/13/75	Atascadero	CA	3	-120.670	35.489	0.38	2.62
Parkfield75	9/13/75	Caliente	CA	3	-118.627	35.291	0.15	2.85
Parkfield75	9/13/75	Cambria	CA	3	-121.080	35.564	0.22	2.78
Parkfield75	9/13/75	Carmel Valley	CA	3	-121.731	36.480	-0.62	3.62
Parkfield75	9/13/75	Delano	CA	3	-119.246	35.769	-0.01	3.01
Parkfield75	9/13/75	Greenfield	CA	3	-121.243	36.321	-0.28	3.28
Parkfield75	9/13/75	Grover City	CA	3	-120.620	35.120	0.34	2.66
Parkfield75	9/13/75	Hilmar	CA	3	-120.849	37.409	0.15	2.85
Parkfield75	9/13/75	Hughson	CA	3	-120.865	37.597	-0.27	3.27
Parkfield75	9/13/75	Kettleman City	CA	3	-119.961	36.008	0.40	2.60

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Parkfield75	9/13/75	Lemoore	CA	3	-119.782	36.301	0.50	2.50
Parkfield75	9/13/75	Lockwood	CA	3	-121.081	35.937	-0.99	3.99
Parkfield75	9/13/75	Morro Bay	CA	3	-120.849	35.366	-0.20	3.20
Parkfield75	9/13/75	Parlier	CA	3	-119.526	36.612	1.28	1.72
Parkfield75	9/13/75	Porterville	CA	3	-119.016	36.065	0.59	2.41
Parkfield75	9/13/75	Riverdale	CA	3	-119.859	36.431	-0.29	3.29
Parkfield75	9/13/75	San Joaquin	CA	3	-120.188	36.607	-0.43	3.43
Parkfield75	9/13/75	Santa Maria	CA	3	-120.435	34.953	-0.15	3.15
Parkfield75	9/13/75	Seaside	CA	3	-121.851	36.611	-0.62	3.62
Pacifica	4/28/79	Daly City	CA	5	-122.461	37.706	0.17	4.83
Pacifica	4/28/79	Petaluma	CA	5	-122.636	38.233	0.40	4.60
Pacifica	4/28/79	South San Francisco	CA	5	-122.407	37.655	-0.44	5.44
Pacifica	4/28/79	Berkeley	CA	4	-122.272	37.872	-0.02	4.02
Pacifica	4/28/79	Bolinas	CA	4	-122.685	37.909	0.39	3.61
Pacifica	4/28/79	Burlingame	CA	4	-122.365	37.584	-0.04	4.04
Pacifica	4/28/79	El Granada	CA	4	-122.468	37.503	-0.48	4.48
Pacifica	4/28/79	Emeryville	CA	4	-122.284	37.831	0.24	3.76
Pacifica	4/28/79	Fairfax	CA	4	-122.588	37.987	-0.48	4.48
Pacifica	4/28/79	Forest Knolls	CA	4	-122.688	38.015	0.27	3.73
Pacifica	4/28/79	Half Moon Bay	CA	4	-122.428	37.464	-0.22	4.22
Pacifica	4/28/79	La Honda	CA	4	-122.273	37.319	-0.68	4.68
Pacifica	4/28/79	Millbrae	CA	4	-122.386	37.599	-0.10	4.10
Pacifica	4/28/79	Montara	CA	4	-122.515	37.542	-0.40	4.40
Pacifica	4/28/79	Novato	CA	4	-122.569	38.108	0.73	3.27
Pacifica	4/28/79	Pacifica	CA	4	-122.486	37.614	-0.23	4.23
Pacifica	4/28/79	Redwood City	CA	4	-122.235	37.485	-0.29	4.29
Pacifica	4/28/79	San Anselmo	CA	4	-122.561	37.975	-0.71	4.71
Pacifica	4/28/79	San Francisco	CA	4	-122.418	37.775	1.18	2.82
Pacifica	4/28/79	San Francisco International Airport	CA	4	-122.380	37.620	0.12	3.88
Pacifica	4/28/79	Sausalito	CA	4	-122.484	37.859	-0.60	4.60
Pacifica	4/28/79	Woodacre	CA	4	-122.644	38.013	0.24	3.76
Pacifica	4/28/79	Alamo	CA	3	-122.031	37.850	-0.29	3.29
Pacifica	4/28/79	Albany	CA	3	-122.297	37.887	-0.31	3.31
Pacifica	4/28/79	Belmont	CA	3	-122.275	37.520	-0.33	3.33
Pacifica	4/28/79	Benicia	CA	3	-122.158	38.049	-0.47	3.47
Pacifica	4/28/79	Concord	CA	3	-122.030	37.978	-0.72	3.72
Pacifica	4/28/79	Danville	CA	3	-121.999	37.822	-0.24	3.24
Pacifica	4/28/79	El Cerrito	CA	3	-122.311	37.916	-0.37	3.37
Pacifica	4/28/79	Inverness	CA	3	-122.856	38.101	0.11	2.89
Pacifica	4/28/79	Larkspur	CA	3	-122.512	37.938	-0.83	3.83
Pacifica	4/28/79	Livermore	CA	3	-121.767	37.682	0.05	2.95
Pacifica	4/28/79	Marshall	CA	3	-122.893	38.161	-0.50	3.50
Pacifica	4/28/79	Mill Valley	CA	3	-122.544	37.906	-0.13	3.13
Pacifica	4/28/79	Moraga	CA	3	-122.129	37.835	-0.25	3.25
Pacifica	4/28/79	Moss Beach	CA	3	-122.512	37.528	-0.23	3.23
Pacifica	4/28/79	Nicasio	CA	3	-122.698	38.062	-0.43	3.43
Pacifica	4/28/79	Oakland	CA	3	-122.270	37.804	-0.14	3.14

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Pacifica	4/28/79	Orinda	CA	3	-122.179	37.877	-0.32	3.32
Pacifica	4/28/79	Palo Alto	CA	3	-122.142	37.442	-0.72	3.72
Pacifica	4/28/79	Point Reyes Station	CA	3	-122.806	38.069	0.71	2.29
Pacifica	4/28/79	Port Costa	CA	3	-122.182	38.046	-0.33	3.33
Pacifica	4/28/79	Richmond	CA	3	-122.347	37.936	-0.04	3.04
Pacifica	4/28/79	San Bruno	CA	3	-122.410	37.631	-0.34	3.34
Pacifica	4/28/79	San Carlos	CA	3	-122.259	37.507	-0.76	3.76
Pacifica	4/28/79	San Jose	CA	3	-121.894	37.339	0.15	2.85
Pacifica	4/28/79	San Leandro	CA	3	-122.155	37.725	-0.15	3.15
Pacifica	4/28/79	San Lorenzo	CA	3	-122.123	37.681	-0.48	3.48
Pacifica	4/28/79	San Mateo	CA	3	-122.324	37.563	-0.52	3.52
Pacifica	4/28/79	Santa Rosa	CA	3	-122.713	38.441	0.41	2.59
Pacifica	4/28/79	Stinson Beach	CA	3	-122.643	37.901	-0.31	3.31
Pacifica	4/28/79	Union City	CA	3	-122.080	37.600	-0.82	3.82
Pacifica	4/28/79	Vallejo	CA	3	-122.256	38.104	-0.12	3.12
Halls Valley	5/8/79	Alviso	CA	5	-121.974	37.426	-1.27	6.27
Halls Valley	5/8/79	Larkspur	CA	5	-122.512	37.938	-0.83	5.83
Halls Valley	5/8/79	Los Gatos	CA	5	-121.974	37.227	-0.28	5.28
Halls Valley	5/8/79	Pescadero	CA	5	-122.380	37.255	-0.17	5.17
Halls Valley	5/8/79	Santa Clara	CA	5	-121.954	37.354	-0.28	5.28
Halls Valley	5/8/79	Alamo	CA	4	-122.031	37.850	-0.29	4.29
Halls Valley	5/8/79	Belmont	CA	4	-122.275	37.520	-0.33	4.33
Halls Valley	5/8/79	Berkeley	CA	4	-122.272	37.872	-0.02	4.02
Halls Valley	5/8/79	Brisbane	CA	4	-122.399	37.681	0.07	3.93
Halls Valley	5/8/79	Capitola	CA	4	-121.952	36.975	-0.50	4.50
Halls Valley	5/8/79	Crockett	CA	4	-122.212	38.053	-0.62	4.62
Halls Valley	5/8/79	Daly City	CA	4	-122.461	37.706	0.17	3.83
Halls Valley	5/8/79	El Sobrante	CA	4	-122.294	37.977	0.04	3.96
Halls Valley	5/8/79	Felton	CA	4	-122.072	37.051	-0.53	4.53
Halls Valley	5/8/79	Freedom	CA	4	-121.772	36.935	-0.84	4.84
Halls Valley	5/8/79	Half Moon Bay	CA	4	-122.428	37.464	-0.22	4.22
Halls Valley	5/8/79	Hayward	CA	4	-122.080	37.669	-0.36	4.36
Halls Valley	5/8/79	Hollister	CA	4	-121.401	36.853	0.11	3.89
Halls Valley	5/8/79	Holy City	CA	4	-121.978	37.157	-0.50	4.50
Halls Valley	5/8/79	La Grange	CA	4	-120.463	37.664	0.14	3.86
Halls Valley	5/8/79	La Honda	CA	4	-122.273	37.319	-0.68	4.68
Halls Valley	5/8/79	Los Altos	CA	4	-122.113	37.385	-0.16	4.16
Halls Valley	5/8/79	Los Osos	CA	4	-120.831	35.311	-0.11	4.11
Halls Valley	5/8/79	Milpitas	CA	4	-121.906	37.428	-0.47	4.47
Halls Valley	5/8/79	Morgan Hill	CA	4	-121.653	37.131	-0.67	4.67
Halls Valley	5/8/79	Mount Hermon	CA	4	-122.058	37.051	-0.38	4.38
Halls Valley	5/8/79	Mountain View	CA	4	-122.083	37.386	-0.60	4.60
Halls Valley	5/8/79	Napa	CA	4	-122.284	38.297	0.32	3.68
Halls Valley	5/8/79	New Almaden	CA	4	-121.820	37.176	-1.39	5.39
Halls Valley	5/8/79	Novato	CA	4	-122.569	38.108	0.73	3.27
Halls Valley	5/8/79	Olema	CA	4	-122.787	38.041	0.14	3.86
Halls Valley	5/8/79	Pacific Grove	CA	4	-121.916	36.618	0.20	3.80
Halls Valley	5/8/79	Penngrove	CA	4	-122.666	38.300	0.45	3.55

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Halls Valley	5/8/79	Point Reyes Station	CA	4	-122.806	38.069	0.71	3.29
Halls Valley	5/8/79	Redwood Estates	CA	4	-121.986	37.156	-0.41	4.41
Halls Valley	5/8/79	Salida	CA	4	-121.084	37.706	0.12	3.88
Halls Valley	5/8/79	San Carlos	CA	4	-122.259	37.507	-0.76	4.76
Halls Valley	5/8/79	San Francisco	CA	4	-122.418	37.775	1.18	2.82
Halls Valley	5/8/79	San Jose	CA	4	-121.894	37.339	0.15	3.85
Halls Valley	5/8/79	San Leandro	CA	4	-122.155	37.725	-0.15	4.15
Halls Valley	5/8/79	San Mateo	CA	4	-122.324	37.563	-0.52	4.52
Halls Valley	5/8/79	Santa Cruz	CA	4	-122.030	36.974	-0.07	4.07
Halls Valley	5/8/79	Sausalito	CA	4	-122.484	37.859	-0.60	4.60
Halls Valley	5/8/79	Soquel	CA	4	-121.956	36.988	-0.33	4.33
Halls Valley	5/8/79	South San Francisco	CA	4	-122.407	37.655	-0.44	4.44
Halls Valley	5/8/79	Stinson Beach	CA	4	-122.643	37.901	-0.31	4.31
Halls Valley	5/8/79	Thornton	CA	4	-121.424	38.226	-0.51	4.51
Halls Valley	5/8/79	Union City	CA	4	-122.080	37.600	-0.82	4.82
Halls Valley	5/8/79	Vallejo	CA	4	-122.256	38.104	-0.12	4.12
Halls Valley	5/8/79	Walnut Creek	CA	4	-122.064	37.906	-0.03	4.03
Halls Valley	5/8/79	Woodacre	CA	4	-122.644	38.013	0.24	3.76
Halls Valley	5/8/79	Albany	CA	3	-122.297	37.887	-0.31	3.31
Halls Valley	5/8/79	Aptos	CA	3	-121.898	36.977	-0.90	3.90
Halls Valley	5/8/79	Boulder Creek	CA	3	-122.121	37.126	-0.47	3.47
Halls Valley	5/8/79	Cupertino	CA	3	-122.031	37.323	-0.93	3.93
Halls Valley	5/8/79	Diablo	CA	3	-121.957	37.835	-0.85	3.85
Halls Valley	5/8/79	Dillon Beach	CA	3	-122.964	38.251	0.22	2.78
Halls Valley	5/8/79	Dos Palos	CA	3	-120.626	36.986	0.20	2.80
Halls Valley	5/8/79	El Cerrito	CA	3	-122.311	37.916	-0.37	3.37
Halls Valley	5/8/79	El Granada	CA	3	-122.468	37.503	-0.48	3.48
Halls Valley	5/8/79	Fairfax	CA	3	-122.588	37.987	-0.48	3.48
Halls Valley	5/8/79	Forest Knolls	CA	3	-122.688	38.015	0.27	2.73
Halls Valley	5/8/79	Hilmar	CA	3	-120.849	37.409	0.15	2.85
Halls Valley	5/8/79	Lafayette	CA	3	-122.117	37.886	-0.19	3.19
Halls Valley	5/8/79	Lathrop	CA	3	-121.276	37.823	-0.31	3.31
Halls Valley	5/8/79	Marina	CA	3	-121.801	36.684	-0.20	3.20
Halls Valley	5/8/79	Menlo Park	CA	3	-122.181	37.454	-0.22	3.22
Halls Valley	5/8/79	Mill Valley	CA	3	-122.544	37.906	-0.13	3.13
Halls Valley	5/8/79	Modesto	CA	3	-120.996	37.639	-0.39	3.39
Halls Valley	5/8/79	Montara	CA	3	-122.515	37.542	-0.40	3.40
Halls Valley	5/8/79	Monterey	CA	3	-121.894	36.600	-0.16	3.16
Halls Valley	5/8/79	Moraga	CA	3	-122.129	37.835	-0.25	3.25
Halls Valley	5/8/79	Murphys	CA	3	-120.459	38.138	0.79	2.21
Halls Valley	5/8/79	Newark	CA	3	-122.039	37.530	-0.63	3.63
Halls Valley	5/8/79	Orinda	CA	3	-122.179	37.877	-0.32	3.32
Halls Valley	5/8/79	Pacifica	CA	3	-122.486	37.614	-0.23	3.23
Halls Valley	5/8/79	Palo Alto	CA	3	-122.142	37.442	-0.72	3.72
Halls Valley	5/8/79	Pebble Beach	CA	3	-121.970	36.570	-0.44	3.44
Halls Valley	5/8/79	Pittsburg	CA	3	-121.884	38.028	0.17	2.83
Halls Valley	5/8/79	Redwood City	CA	3	-122.235	37.485	-0.29	3.29
Halls Valley	5/8/79	Richmond	CA	3	-122.347	37.936	-0.04	3.04

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Halls Valley	5/8/79	Riverbank	CA	3	-120.934	37.736	-0.08	3.08
Halls Valley	5/8/79	San Juan Bautista	CA	3	-121.537	36.846	-0.55	3.55
Halls Valley	5/8/79	San Lorenzo	CA	3	-122.123	37.681	-0.48	3.48
Halls Valley	5/8/79	Sebastopol	CA	3	-122.823	38.402	0.03	2.97
Halls Valley	5/8/79	Stockton	CA	3	-121.290	37.958	0.88	2.12
Halls Valley	5/8/79	Tomales	CA	3	-122.904	38.246	-0.84	3.84
Halls Valley	5/8/79	Tracy	CA	3	-121.424	37.740	-0.42	3.42
Coyote Lake	8/6/79	Casa De Fruta	CA	7	-121.370	37.000	0.77	6.23
Coyote Lake	8/6/79	Gilroy	CA	7	-121.567	37.006	-0.08	7.08
Coyote Lake	8/6/79	Hollister	CA	7	-121.401	36.853	0.11	6.89
Coyote Lake	8/6/79	Pacheco Pass	CA	7	-121.210	37.070	0.98	6.02
Coyote Lake	8/6/79	Milpitas	CA	6	-121.906	37.428	-0.47	6.47
Coyote Lake	8/6/79	Morgan Hill	CA	6	-121.653	37.131	-0.67	6.67
Coyote Lake	8/6/79	Salinas	CA	6	-121.654	36.678	-0.16	6.16
Coyote Lake	8/6/79	San Francisco	CA	6	-122.418	37.775	1.18	4.82
Coyote Lake	8/6/79	San Juan Bautista	CA	6	-121.537	36.846	-0.55	6.55
Coyote Lake	8/6/79	San Martin	CA	6	-121.609	37.085	-0.23	6.23
Coyote Lake	8/6/79	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
Coyote Lake	8/6/79	Watsonville	CA	6	-121.756	36.910	0.18	5.82
Coyote Lake	8/6/79	Avenal	CA	5	-120.128	36.004	0.21	4.79
Coyote Lake	8/6/79	Ballico	CA	5	-120.705	37.454	-0.12	5.12
Coyote Lake	8/6/79	Berkeley	CA	5	-122.272	37.872	-0.02	5.02
Coyote Lake	8/6/79	Bethel Island	CA	5	-121.639	38.015	-0.37	5.37
Coyote Lake	8/6/79	Bishop	CA	5	-118.394	37.364	2.64	2.36
Coyote Lake	8/6/79	Blossom Hill	CA	5	-121.840	37.250	-0.88	5.88
Coyote Lake	8/6/79	Boulder Creek	CA	5	-122.121	37.126	-0.47	5.47
Coyote Lake	8/6/79	Brisbane	CA	5	-122.399	37.681	0.07	4.93
Coyote Lake	8/6/79	Cambrian Park	CA	5	-121.930	37.257	-0.72	5.72
Coyote Lake	8/6/79	Campbell	CA	5	-121.949	37.287	-0.80	5.80
Coyote Lake	8/6/79	Capitola	CA	5	-121.952	36.975	-0.50	5.50
Coyote Lake	8/6/79	Castroville	CA	5	-121.757	36.766	-0.54	5.54
Coyote Lake	8/6/79	Chualar	CA	5	-121.518	36.571	-0.28	5.28
Coyote Lake	8/6/79	Crows Landing	CA	5	-121.071	37.394	-0.58	5.58
Coyote Lake	8/6/79	Denair	CA	5	-120.796	37.526	0.23	4.77
Coyote Lake	8/6/79	Dos Palos	CA	5	-120.626	36.986	0.20	4.80
Coyote Lake	8/6/79	Gustine	CA	5	-120.998	37.258	-0.32	5.32
Coyote Lake	8/6/79	Hayward	CA	5	-122.080	37.669	-0.36	5.36
Coyote Lake	8/6/79	Hilmar	CA	5	-120.849	37.409	0.15	4.85
Coyote Lake	8/6/79	Jolon	CA	5	-121.175	35.971	0.04	4.96
Coyote Lake	8/6/79	Knightesen	CA	5	-121.667	37.969	-0.41	5.41
Coyote Lake	8/6/79	Laurel	CA	5	-121.965	37.117	-0.35	5.35
Coyote Lake	8/6/79	Livermore	CA	5	-121.767	37.682	0.05	4.95
Coyote Lake	8/6/79	Los Altos	CA	5	-122.113	37.385	-0.16	5.16
Coyote Lake	8/6/79	Los Banos	CA	5	-120.849	37.058	0.05	4.95
Coyote Lake	8/6/79	Los Gatos	CA	5	-121.974	37.227	-0.28	5.28
Coyote Lake	8/6/79	Marina	CA	5	-121.801	36.684	-0.20	5.20
Coyote Lake	8/6/79	Menlo Park	CA	5	-122.181	37.454	-0.22	5.22
Coyote Lake	8/6/79	Moss Beach	CA	5	-122.512	37.528	-0.23	5.23

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coyote Lake	8/6/79	Mount Hamilton	CA	5	-121.640	37.340	-0.54	5.54
Coyote Lake	8/6/79	Mount Hermon	CA	5	-122.058	37.051	-0.38	5.38
Coyote Lake	8/6/79	Mountain View	CA	5	-122.083	37.386	-0.60	5.60
Coyote Lake	8/6/79	Paicines	CA	5	-121.278	36.729	-0.77	5.77
Coyote Lake	8/6/79	Patterson	CA	5	-121.129	37.472	-0.34	5.34
Coyote Lake	8/6/79	Pebble Beach	CA	5	-121.970	36.570	-0.44	5.44
Coyote Lake	8/6/79	Petaluma	CA	5	-122.636	38.233	0.40	4.60
Coyote Lake	8/6/79	Raisin	CA	5	-119.910	36.610	0.59	4.41
Coyote Lake	8/6/79	Redwood City	CA	5	-122.235	37.485	-0.29	5.29
Coyote Lake	8/6/79	Redwood Estates	CA	5	-121.986	37.156	-0.41	5.41
Coyote Lake	8/6/79	Rio Vista	CA	5	-121.690	38.156	-0.53	5.53
Coyote Lake	8/6/79	Ripon	CA	5	-121.123	37.742	-0.16	5.16
Coyote Lake	8/6/79	Riverdale	CA	5	-119.859	36.431	-0.29	5.29
Coyote Lake	8/6/79	Salida	CA	5	-121.084	37.706	0.12	4.88
Coyote Lake	8/6/79	San Ardo	CA	5	-120.904	36.021	0.00	5.00
Coyote Lake	8/6/79	San Francisco International Airport	CA	5	-122.380	37.620	0.12	4.88
Coyote Lake	8/6/79	San Jose	CA	5	-121.894	37.339	0.15	4.85
Coyote Lake	8/6/79	San Leandro	CA	5	-122.155	37.725	-0.15	5.15
Coyote Lake	8/6/79	Santa Clara	CA	5	-121.954	37.354	-0.28	5.28
Coyote Lake	8/6/79	Saratoga	CA	5	-122.022	37.264	-1.04	6.04
Coyote Lake	8/6/79	Snelling	CA	5	-120.436	37.519	-0.03	5.03
Coyote Lake	8/6/79	South Dos Palos	CA	5	-120.652	36.964	-0.14	5.14
Coyote Lake	8/6/79	Vernalis	CA	5	-121.286	37.631	0.06	4.94
Coyote Lake	8/6/79	Ahwahnee	CA	4	-119.725	37.366	-0.25	4.25
Coyote Lake	8/6/79	Alamo	CA	4	-122.031	37.850	-0.29	4.29
Coyote Lake	8/6/79	Alviso	CA	4	-121.974	37.426	-1.27	5.27
Coyote Lake	8/6/79	Aptos	CA	4	-121.898	36.977	-0.90	4.90
Coyote Lake	8/6/79	Atwater	CA	4	-120.608	37.348	0.05	3.95
Coyote Lake	8/6/79	Bass Lake	CA	4	-119.565	37.325	-0.17	4.17
Coyote Lake	8/6/79	Ben Lomond	CA	4	-122.085	37.089	-1.15	5.15
Coyote Lake	8/6/79	Benicia	CA	4	-122.158	38.049	-0.47	4.47
Coyote Lake	8/6/79	Big Sur	CA	4	-121.806	36.270	-0.51	4.51
Coyote Lake	8/6/79	Bolinas	CA	4	-122.685	37.909	0.39	3.61
Coyote Lake	8/6/79	Bradley	CA	4	-120.800	35.863	-0.98	4.98
Coyote Lake	8/6/79	Brentwood	CA	4	-121.695	37.932	-0.37	4.37
Coyote Lake	8/6/79	Brookdale	CA	4	-122.105	37.106	-0.41	4.41
Coyote Lake	8/6/79	Burlingame	CA	4	-122.365	37.584	-0.04	4.04
Coyote Lake	8/6/79	Burrel	CA	4	-119.984	36.488	0.08	3.92
Coyote Lake	8/6/79	Byron	CA	4	-121.637	37.867	-0.40	4.40
Coyote Lake	8/6/79	Cantua Creek	CA	4	-120.315	36.501	-0.40	4.40
Coyote Lake	8/6/79	Carmel	CA	4	-121.920	36.560	0.10	3.90
Coyote Lake	8/6/79	Carmel Valley	CA	4	-121.731	36.480	-0.62	4.62
Coyote Lake	8/6/79	Carson City	NV	4	-119.766	39.164	1.92	2.08
Coyote Lake	8/6/79	Caruthers	CA	4	-119.832	36.543	-0.03	4.03
Coyote Lake	8/6/79	Castro Valley	CA	4	-122.085	37.694	-0.43	4.43
Coyote Lake	8/6/79	Catheys Valley	CA	4	-120.097	37.433	-0.77	4.77

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coyote Lake	8/6/79	Chowchilla	CA	4	-120.259	37.123	-0.33	4.33
Coyote Lake	8/6/79	Coalinga	CA	4	-120.359	36.140	0.29	3.71
Coyote Lake	8/6/79	Crockett	CA	4	-122.212	38.053	-0.62	4.62
Coyote Lake	8/6/79	Daly City	CA	4	-122.461	37.706	0.17	3.83
Coyote Lake	8/6/79	Danville	CA	4	-121.999	37.822	-0.24	4.24
Coyote Lake	8/6/79	Davenport	CA	4	-122.191	37.012	-0.71	4.71
Coyote Lake	8/6/79	Delhi	CA	4	-120.778	37.432	-0.05	4.05
Coyote Lake	8/6/79	El Granada	CA	4	-122.468	37.503	-0.48	4.48
Coyote Lake	8/6/79	El Verano	CA	4	-122.491	38.298	0.36	3.64
Coyote Lake	8/6/79	Escalon	CA	4	-120.996	37.798	-0.67	4.67
Coyote Lake	8/6/79	Fairfax	CA	4	-122.588	37.987	-0.48	4.48
Coyote Lake	8/6/79	Fairfield	CA	4	-122.039	38.249	-0.14	4.14
Coyote Lake	8/6/79	Farmington	CA	4	-120.999	37.930	0.04	3.96
Coyote Lake	8/6/79	Felton	CA	4	-122.072	37.051	-0.53	4.53
Coyote Lake	8/6/79	Finley	CA	4	-122.874	39.004	1.54	2.46
Coyote Lake	8/6/79	Firebaugh	CA	4	-120.455	36.859	-0.02	4.02
Coyote Lake	8/6/79	Fort Ord	CA	4	-121.800	36.660	-0.44	4.44
Coyote Lake	8/6/79	Fowler	CA	4	-119.678	36.631	-0.09	4.09
Coyote Lake	8/6/79	Fresno	CA	4	-119.771	36.748	0.10	3.90
Coyote Lake	8/6/79	Friant	CA	4	-119.711	36.988	0.49	3.51
Coyote Lake	8/6/79	Glencoe	CA	4	-120.584	38.354	0.77	3.23
Coyote Lake	8/6/79	Gonzales	CA	4	-121.443	36.507	-1.02	5.02
Coyote Lake	8/6/79	Greenfield	CA	4	-121.243	36.321	-0.28	4.28
Coyote Lake	8/6/79	Half Moon Bay	CA	4	-122.428	37.464	-0.22	4.22
Coyote Lake	8/6/79	Hanford	CA	4	-119.645	36.328	0.12	3.88
Coyote Lake	8/6/79	Hathaway Pines	CA	4	-120.364	38.192	0.42	3.58
Coyote Lake	8/6/79	Helm	CA	4	-120.097	36.532	-0.49	4.49
Coyote Lake	8/6/79	Hernandez	CA	4	-120.780	36.360	-1.06	5.06
Coyote Lake	8/6/79	Hickman	CA	4	-120.753	37.624	-0.12	4.12
Coyote Lake	8/6/79	Holt	CA	4	-121.426	37.934	-0.63	4.63
Coyote Lake	8/6/79	Holy City	CA	4	-121.978	37.157	-0.50	4.50
Coyote Lake	8/6/79	Hughson	CA	4	-120.865	37.597	-0.27	4.27
Coyote Lake	8/6/79	Isleton	CA	4	-121.611	38.162	0.00	4.00
Coyote Lake	8/6/79	Keyes	CA	4	-120.914	37.557	-0.24	4.24
Coyote Lake	8/6/79	La Grange	CA	4	-120.463	37.664	0.14	3.86
Coyote Lake	8/6/79	La Honda	CA	4	-122.273	37.319	-0.68	4.68
Coyote Lake	8/6/79	Lagunitas	CA	4	-122.701	38.011	0.48	3.52
Coyote Lake	8/6/79	Laytonville	CA	4	-123.482	39.688	4.33	-0.33
Coyote Lake	8/6/79	Le Grand	CA	4	-120.247	37.229	0.19	3.81
Coyote Lake	8/6/79	Lemoore Naval Air Station	CA	4	-119.930	36.300	-0.11	4.11
Coyote Lake	8/6/79	Lindsay	CA	4	-119.087	36.203	0.47	3.53
Coyote Lake	8/6/79	Livingston	CA	4	-120.723	37.387	0.48	3.52
Coyote Lake	8/6/79	Long Barn	CA	4	-120.133	38.093	0.88	3.12
Coyote Lake	8/6/79	Los Alamos	CA	4	-120.277	34.744	1.00	3.00
Coyote Lake	8/6/79	Madera	CA	4	-120.060	36.961	-0.03	4.03
Coyote Lake	8/6/79	Mendota	CA	4	-120.381	36.754	-0.96	4.96
Coyote Lake	8/6/79	Merced	CA	4	-120.482	37.302	0.37	3.63

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coyote Lake	8/6/79	Modesto	CA	4	-120.996	37.639	-0.39	4.39
Coyote Lake	8/6/79	Monte Sereno	CA	4	-121.991	37.236	-1.17	5.17
Coyote Lake	8/6/79	Monterey	CA	4	-121.894	36.600	-0.16	4.16
Coyote Lake	8/6/79	Moraga	CA	4	-122.129	37.835	-0.25	4.25
Coyote Lake	8/6/79	Mount Aukum	CA	4	-120.730	38.560	0.85	3.15
Coyote Lake	8/6/79	Mount Eden	CA	4	-122.099	37.636	-1.04	5.04
Coyote Lake	8/6/79	Murphys	CA	4	-120.459	38.138	0.79	3.21
Coyote Lake	8/6/79	Myers Flat	CA	4	-123.869	40.266	5.81	-1.81
Coyote Lake	8/6/79	New Almaden	CA	4	-121.820	37.176	-1.39	5.39
Coyote Lake	8/6/79	Newark	CA	4	-122.039	37.530	-0.63	4.63
Coyote Lake	8/6/79	Newman	CA	4	-121.020	37.314	-0.43	4.43
Coyote Lake	8/6/79	Novato	CA	4	-122.569	38.108	0.73	3.27
Coyote Lake	8/6/79	O'Neals	CA	4	-119.693	37.128	-0.10	4.10
Coyote Lake	8/6/79	Olema	CA	4	-122.787	38.041	0.14	3.86
Coyote Lake	8/6/79	Orinda	CA	4	-122.179	37.877	-0.32	4.32
Coyote Lake	8/6/79	Pacifica	CA	4	-122.486	37.614	-0.23	4.23
Coyote Lake	8/6/79	Parlier	CA	4	-119.526	36.612	1.28	2.72
Coyote Lake	8/6/79	Penngrove	CA	4	-122.666	38.300	0.45	3.55
Coyote Lake	8/6/79	Petrolia	CA	4	-124.286	40.326	6.32	-2.32
Coyote Lake	8/6/79	Pinedale	CA	4	-119.789	36.843	0.25	3.75
Coyote Lake	8/6/79	Pittsburg	CA	4	-121.884	38.028	0.17	3.83
Coyote Lake	8/6/79	Pleasanton	CA	4	-121.874	37.663	-0.42	4.42
Coyote Lake	8/6/79	Point Reyes Station	CA	4	-122.806	38.069	0.71	3.29
Coyote Lake	8/6/79	Port Costa	CA	4	-122.182	38.046	-0.33	4.33
Coyote Lake	8/6/79	Richmond	CA	4	-122.347	37.936	-0.04	4.04
Coyote Lake	8/6/79	River Pines	CA	4	-120.743	38.546	0.56	3.44
Coyote Lake	8/6/79	Riverbank	CA	4	-120.934	37.736	-0.08	4.08
Coyote Lake	8/6/79	San Bruno	CA	4	-122.410	37.631	-0.34	4.34
Coyote Lake	8/6/79	Santa Rosa	CA	4	-122.713	38.441	0.41	3.59
Coyote Lake	8/6/79	Sequoia National Park	CA	4	-118.773	36.564	1.74	2.26
Coyote Lake	8/6/79	South San Francisco	CA	4	-122.407	37.655	-0.44	4.44
Coyote Lake	8/6/79	Stevinson	CA	4	-120.851	37.328	-0.40	4.40
Coyote Lake	8/6/79	Stinson Beach	CA	4	-122.643	37.901	-0.31	4.31
Coyote Lake	8/6/79	Stockton	CA	4	-121.290	37.958	0.88	3.12
Coyote Lake	8/6/79	Stratford	CA	4	-119.822	36.189	0.47	3.53
Coyote Lake	8/6/79	Tracy	CA	4	-121.424	37.740	-0.42	4.42
Coyote Lake	8/6/79	Tranquillity	CA	4	-120.252	36.649	-0.48	4.48
Coyote Lake	8/6/79	Turlock	CA	4	-120.846	37.495	0.35	3.65
Coyote Lake	8/6/79	Union City	CA	4	-122.080	37.600	-0.82	4.82
Coyote Lake	8/6/79	Valley Ford	CA	4	-122.923	38.318	0.28	3.72
Coyote Lake	8/6/79	Valley Home	CA	4	-120.911	37.829	-0.32	4.32
Coyote Lake	8/6/79	Walnut Creek	CA	4	-122.064	37.906	-0.03	4.03
Coyote Lake	8/6/79	Walnut Grove	CA	4	-121.511	38.242	-0.05	4.05
Coyote Lake	8/6/79	Westley	CA	4	-121.198	37.549	-1.02	5.02
Coyote Lake	8/6/79	Winton	CA	4	-120.612	37.389	-0.47	4.47
Coyote Lake	8/6/79	Woodacre	CA	4	-122.644	38.013	0.24	3.76
Coyote Lake	8/6/79	Alpaugh	CA	3	-119.486	35.888	0.17	2.83

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coyote Lake	8/6/79	Antioch	CA	3	-121.805	38.005	-0.36	3.36
Coyote Lake	8/6/79	Armona	CA	3	-119.708	36.316	-0.24	3.24
Coyote Lake	8/6/79	Arroyo Grande	CA	3	-120.590	35.119	0.39	2.61
Coyote Lake	8/6/79	Arvin	CA	3	-118.828	35.209	0.57	2.43
Coyote Lake	8/6/79	Atascadero	CA	3	-120.670	35.489	0.38	2.62
Coyote Lake	8/6/79	Avila Beach	CA	3	-120.731	35.180	0.84	2.16
Coyote Lake	8/6/79	Belvedere	CA	3	-122.463	37.873	-1.47	4.47
Coyote Lake	8/6/79	Biola	CA	3	-120.015	36.802	-0.08	3.08
Coyote Lake	8/6/79	Ceres	CA	3	-120.957	37.595	-0.37	3.37
Coyote Lake	8/6/79	Clements	CA	3	-121.087	38.191	-0.85	3.85
Coyote Lake	8/6/79	Clovis	CA	3	-119.702	36.825	0.54	2.46
Coyote Lake	8/6/79	Concord	CA	3	-122.030	37.978	-0.72	3.72
Coyote Lake	8/6/79	Copperopolis	CA	3	-120.641	37.981	-0.43	3.43
Coyote Lake	8/6/79	Corte Madera	CA	3	-122.526	37.926	-0.58	3.58
Coyote Lake	8/6/79	Courtland	CA	3	-121.568	38.331	-0.15	3.15
Coyote Lake	8/6/79	Cutler	CA	3	-119.286	36.523	-0.20	3.20
Coyote Lake	8/6/79	Davis	CA	3	-121.739	38.545	-0.63	3.63
Coyote Lake	8/6/79	Del Rey	CA	3	-119.593	36.659	0.11	2.89
Coyote Lake	8/6/79	Diablo	CA	3	-121.957	37.835	-0.85	3.85
Coyote Lake	8/6/79	Dinuba	CA	3	-119.386	36.543	0.01	2.99
Coyote Lake	8/6/79	Dixon	CA	3	-121.822	38.446	-0.15	3.15
Coyote Lake	8/6/79	Eldridge	CA	3	-122.510	38.340	-0.88	3.88
Coyote Lake	8/6/79	Exeter	CA	3	-119.141	36.296	0.14	2.86
Coyote Lake	8/6/79	Fulton	CA	3	-122.769	38.496	0.44	2.56
Coyote Lake	8/6/79	Groveland	CA	3	-120.232	37.838	-0.34	3.34
Coyote Lake	8/6/79	Guerneville	CA	3	-122.995	38.502	1.02	1.98
Coyote Lake	8/6/79	Healdsburg	CA	3	-122.868	38.611	0.67	2.33
Coyote Lake	8/6/79	Hood	CA	3	-121.516	38.368	-0.66	3.66
Coyote Lake	8/6/79	Huron	CA	3	-120.102	36.203	-0.05	3.05
Coyote Lake	8/6/79	Inverness	CA	3	-122.856	38.101	0.11	2.89
Coyote Lake	8/6/79	Jenner	CA	3	-123.114	38.450	0.72	2.28
Coyote Lake	8/6/79	June Lake	CA	3	-119.074	37.780	1.00	2.00
Coyote Lake	8/6/79	Kettleman City	CA	3	-119.961	36.008	0.40	2.60
Coyote Lake	8/6/79	King City	CA	3	-121.125	36.213	-0.43	3.43
Coyote Lake	8/6/79	Larkspur	CA	3	-122.512	37.938	-0.83	3.83
Coyote Lake	8/6/79	Linden	CA	3	-121.083	38.021	-0.94	3.94
Coyote Lake	8/6/79	Lompoc	CA	3	-120.457	34.639	0.41	2.59
Coyote Lake	8/6/79	Manteca	CA	3	-121.215	37.798	-0.45	3.45
Coyote Lake	8/6/79	Marshall	CA	3	-122.893	38.161	-0.50	3.50
Coyote Lake	8/6/79	Mi-Wuk Village	CA	3	-120.184	38.066	-0.46	3.46
Coyote Lake	8/6/79	Minden	NV	3	-119.765	38.954	1.49	1.51
Coyote Lake	8/6/79	Mountain Ranch	CA	3	-120.540	38.228	0.20	2.80
Coyote Lake	8/6/79	Napa	CA	3	-122.284	38.297	0.32	2.68
Coyote Lake	8/6/79	Oakley	CA	3	-121.711	37.998	-0.48	3.48
Coyote Lake	8/6/79	Paradise	CA	3	-121.621	39.760	1.19	1.81
Coyote Lake	8/6/79	Pescadero	CA	3	-122.380	37.255	-0.17	3.17
Coyote Lake	8/6/79	Piedra	CA	3	-119.381	36.810	0.15	2.85
Coyote Lake	8/6/79	Pixley	CA	3	-119.291	35.969	0.94	2.06

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coyote Lake	8/6/79	Rail Road Flat	CA	3	-120.510	38.340	0.35	2.65
Coyote Lake	8/6/79	Reno	NV	3	-119.813	39.530	2.01	0.99
Coyote Lake	8/6/79	Rohnert Park	CA	3	-122.700	38.340	0.04	2.96
Coyote Lake	8/6/79	Sacramento	CA	3	-121.493	38.582	0.86	2.14
Coyote Lake	8/6/79	San Anselmo	CA	3	-122.561	37.975	-0.71	3.71
Coyote Lake	8/6/79	San Joaquin	CA	3	-120.188	36.607	-0.43	3.43
Coyote Lake	8/6/79	San Lorenzo	CA	3	-122.123	37.681	-0.48	3.48
Coyote Lake	8/6/79	San Mateo	CA	3	-122.324	37.563	-0.52	3.52
Coyote Lake	8/6/79	San Miguel	CA	3	-120.695	35.753	-0.09	3.09
Coyote Lake	8/6/79	San Simeon	CA	3	-121.190	35.644	-0.82	3.82
Coyote Lake	8/6/79	Santa Barbara	CA	3	-119.697	34.421	0.92	2.08
Coyote Lake	8/6/79	Selma	CA	3	-119.611	36.571	0.10	2.90
Coyote Lake	8/6/79	South Lake Tahoe	CA	3	-119.983	38.933	1.46	1.54
Coyote Lake	8/6/79	Templeton	CA	3	-120.705	35.550	0.10	2.90
Coyote Lake	8/6/79	Truckee	CA	3	-120.182	39.328	0.89	2.11
Coyote Lake	8/6/79	Tuolumne	CA	3	-120.236	37.961	0.14	2.86
Coyote Lake	8/6/79	Twain Harte	CA	3	-120.232	38.040	0.41	2.59
Coyote Lake	8/6/79	Visalia	CA	3	-119.291	36.330	0.27	2.73
Coyote Lake	8/6/79	Waterford	CA	3	-120.759	37.641	-0.19	3.19
Coyote Lake	8/6/79	West Point	CA	3	-120.526	38.399	0.11	2.89
Coyote Lake	8/6/79	Wilseyville	CA	3	-120.514	38.379	0.82	2.18
Livermore 1	1/24/80	Livermore	CA	7	-121.767	37.682	0.05	6.95
Livermore 1	1/24/80	Brentwood	CA	6	-121.695	37.932	-0.37	6.37
Livermore 1	1/24/80	Byron	CA	6	-121.637	37.867	-0.40	6.40
Livermore 1	1/24/80	Danville	CA	6	-121.999	37.822	-0.24	6.24
Livermore 1	1/24/80	Diablo	CA	6	-121.957	37.835	-0.85	6.85
Livermore 1	1/24/80	Dublin	CA	6	-121.935	37.702	-0.08	6.08
Livermore 1	1/24/80	Lodi	CA	6	-121.271	38.130	0.01	5.99
Livermore 1	1/24/80	Manteca	CA	6	-121.215	37.798	-0.45	6.45
Livermore 1	1/24/80	Modesto	CA	6	-120.996	37.639	-0.39	6.39
Livermore 1	1/24/80	Moraga	CA	6	-122.129	37.835	-0.25	6.25
Livermore 1	1/24/80	Orinda	CA	6	-122.179	37.877	-0.32	6.32
Livermore 1	1/24/80	Pittsburg	CA	6	-121.884	38.028	0.17	5.83
Livermore 1	1/24/80	Pleasanton	CA	6	-121.874	37.663	-0.42	6.42
Livermore 1	1/24/80	Salida	CA	6	-121.084	37.706	0.12	5.88
Livermore 1	1/24/80	San Francisco	CA	6	-122.418	37.775	1.18	4.82
Livermore 1	1/24/80	San Jose	CA	6	-121.894	37.339	0.15	5.85
Livermore 1	1/24/80	San Ramon	CA	6	-121.977	37.780	-0.20	6.20
Livermore 1	1/24/80	Stockton	CA	6	-121.290	37.958	0.88	5.12
Livermore 1	1/24/80	Sunol	CA	6	-121.890	37.600	-0.98	6.98
Livermore 1	1/24/80	Vallejo	CA	6	-122.256	38.104	-0.12	6.12
Livermore 1	1/24/80	Vernalis	CA	6	-121.286	37.631	0.06	5.94
Livermore 1	1/24/80	Walnut Creek	CA	6	-122.064	37.906	-0.03	6.03
Livermore 1	1/24/80	Antioch	CA	5	-121.805	38.005	-0.36	5.36
Livermore 1	1/24/80	Banta	CA	5	-121.370	37.754	1.46	3.54
Livermore 1	1/24/80	Brisbane	CA	5	-122.399	37.681	0.07	4.93
Livermore 1	1/24/80	Burlingame	CA	5	-122.365	37.584	-0.04	5.04
Livermore 1	1/24/80	Cantua Creek	CA	5	-120.315	36.501	-0.40	5.40

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Livermore 1	1/24/80	Castro Valley	CA	5	-122.085	37.694	-0.43	5.43
Livermore 1	1/24/80	Clarksburg	CA	5	-121.526	38.421	0.10	4.90
Livermore 1	1/24/80	Concord	CA	5	-122.030	37.978	-0.72	5.72
Livermore 1	1/24/80	Courtland	CA	5	-121.568	38.331	-0.15	5.15
Livermore 1	1/24/80	Crockett	CA	5	-122.212	38.053	-0.62	5.62
Livermore 1	1/24/80	Delhi	CA	5	-120.778	37.432	-0.05	5.05
Livermore 1	1/24/80	East Palo Alto	CA	5	-122.140	37.469	0.21	4.79
Livermore 1	1/24/80	El Verano	CA	5	-122.491	38.298	0.36	4.64
Livermore 1	1/24/80	Farmington	CA	5	-120.999	37.930	0.04	4.96
Livermore 1	1/24/80	French Camp	CA	5	-121.270	37.884	-0.18	5.18
Livermore 1	1/24/80	Hilmar	CA	5	-120.849	37.409	0.15	4.85
Livermore 1	1/24/80	Holt	CA	5	-121.426	37.934	-0.63	5.63
Livermore 1	1/24/80	Hughson	CA	5	-120.865	37.597	-0.27	5.27
Livermore 1	1/24/80	Isleton	CA	5	-121.611	38.162	0.00	5.00
Livermore 1	1/24/80	Jackson	CA	5	-120.773	38.349	0.01	4.99
Livermore 1	1/24/80	Keyes	CA	5	-120.914	37.557	-0.24	5.24
Livermore 1	1/24/80	Knightsen	CA	5	-121.667	37.969	-0.41	5.41
Livermore 1	1/24/80	Lathrop	CA	5	-121.276	37.823	-0.31	5.31
Livermore 1	1/24/80	Linden	CA	5	-121.083	38.021	-0.94	5.94
Livermore 1	1/24/80	Long Barn	CA	5	-120.133	38.093	0.88	4.12
Livermore 1	1/24/80	Milpitas	CA	5	-121.906	37.428	-0.47	5.47
Livermore 1	1/24/80	Napa	CA	5	-122.284	38.297	0.32	4.68
Livermore 1	1/24/80	Oakdale	CA	5	-120.846	37.767	-0.12	5.12
Livermore 1	1/24/80	Oakland	CA	5	-122.270	37.804	-0.14	5.14
Livermore 1	1/24/80	Oakley	CA	5	-121.711	37.998	-0.48	5.48
Livermore 1	1/24/80	Pescadero	CA	5	-122.380	37.255	-0.17	5.17
Livermore 1	1/24/80	Rheem Valley	CA	5	-122.123	37.860	-0.52	5.52
Livermore 1	1/24/80	Richmond	CA	5	-122.347	37.936	-0.04	5.04
Livermore 1	1/24/80	Riverbank	CA	5	-120.934	37.736	-0.08	5.08
Livermore 1	1/24/80	Rodeo	CA	5	-122.266	38.033	-0.03	5.03
Livermore 1	1/24/80	San Lorenzo	CA	5	-122.123	37.681	-0.48	5.48
Livermore 1	1/24/80	Santa Clara	CA	5	-121.954	37.354	-0.28	5.28
Livermore 1	1/24/80	Soledad	CA	5	-121.325	36.425	-0.16	5.16
Livermore 1	1/24/80	South San Francisco	CA	5	-122.407	37.655	-0.44	5.44
Livermore 1	1/24/80	Turlock	CA	5	-120.846	37.495	0.35	4.65
Livermore 1	1/24/80	Vacaville	CA	5	-121.987	38.357	-0.15	5.15
Livermore 1	1/24/80	Valley Springs	CA	5	-120.828	38.192	0.10	4.90
Livermore 1	1/24/80	Victor	CA	5	-121.205	38.138	-0.68	5.68
Livermore 1	1/24/80	Acampo	CA	4	-121.278	38.175	-0.62	4.62
Livermore 1	1/24/80	Alviso	CA	4	-121.974	37.426	-1.27	5.27
Livermore 1	1/24/80	Auberry	CA	4	-119.484	37.081	0.73	3.27
Livermore 1	1/24/80	Belmont	CA	4	-122.275	37.520	-0.33	4.33
Livermore 1	1/24/80	Benicia	CA	4	-122.158	38.049	-0.47	4.47
Livermore 1	1/24/80	Berkeley	CA	4	-122.272	37.872	-0.02	4.02
Livermore 1	1/24/80	Bethel Island	CA	4	-121.639	38.015	-0.37	4.37
Livermore 1	1/24/80	Boyes Hot Springs	CA	4	-122.481	38.314	-0.25	4.25
Livermore 1	1/24/80	Broderick	CA	4	-121.516	38.591	0.28	3.72
Livermore 1	1/24/80	Ceres	CA	4	-120.957	37.595	-0.37	4.37

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Livermore 1	1/24/80	Chinese Camp	CA	4	-120.432	37.871	-1.05	5.05
Livermore 1	1/24/80	Chowchilla	CA	4	-120.259	37.123	-0.33	4.33
Livermore 1	1/24/80	Chualar	CA	4	-121.518	36.571	-0.28	4.28
Livermore 1	1/24/80	Clearlake Oaks	CA	4	-122.650	38.967	0.94	3.06
Livermore 1	1/24/80	Copperopolis	CA	4	-120.641	37.981	-0.43	4.43
Livermore 1	1/24/80	Crows Landing	CA	4	-121.071	37.394	-0.58	4.58
Livermore 1	1/24/80	Cupertino	CA	4	-122.031	37.323	-0.93	4.93
Livermore 1	1/24/80	Daly City	CA	4	-122.461	37.706	0.17	3.83
Livermore 1	1/24/80	Denair	CA	4	-120.796	37.526	0.23	3.77
Livermore 1	1/24/80	Dillon Beach	CA	4	-122.964	38.251	0.22	3.78
Livermore 1	1/24/80	Dixon	CA	4	-121.822	38.446	-0.15	4.15
Livermore 1	1/24/80	Dos Palos	CA	4	-120.626	36.986	0.20	3.80
Livermore 1	1/24/80	El Cerrito	CA	4	-122.311	37.916	-0.37	4.37
Livermore 1	1/24/80	El Granada	CA	4	-122.468	37.503	-0.48	4.48
Livermore 1	1/24/80	El Portal	CA	4	-119.783	37.675	0.38	3.62
Livermore 1	1/24/80	Elmira	CA	4	-121.909	38.348	-0.42	4.42
Livermore 1	1/24/80	Escalon	CA	4	-120.996	37.798	-0.67	4.67
Livermore 1	1/24/80	Esparto	CA	4	-122.016	38.692	-0.09	4.09
Livermore 1	1/24/80	Fairfield	CA	4	-122.039	38.249	-0.14	4.14
Livermore 1	1/24/80	Firebaugh	CA	4	-120.455	36.859	-0.02	4.02
Livermore 1	1/24/80	Forest Knolls	CA	4	-122.688	38.015	0.27	3.73
Livermore 1	1/24/80	Friant	CA	4	-119.711	36.988	0.49	3.51
Livermore 1	1/24/80	Georgetown	CA	4	-120.838	38.907	0.56	3.44
Livermore 1	1/24/80	Gilroy	CA	4	-121.567	37.006	-0.08	4.08
Livermore 1	1/24/80	Glencoe	CA	4	-120.584	38.354	0.77	3.23
Livermore 1	1/24/80	Groveland	CA	4	-120.232	37.838	-0.34	4.34
Livermore 1	1/24/80	Gustine	CA	4	-120.998	37.258	-0.32	4.32
Livermore 1	1/24/80	Half Moon Bay	CA	4	-122.428	37.464	-0.22	4.22
Livermore 1	1/24/80	Herald	CA	4	-121.243	38.296	-0.46	4.46
Livermore 1	1/24/80	Hickman	CA	4	-120.753	37.624	-0.12	4.12
Livermore 1	1/24/80	Holy City	CA	4	-121.978	37.157	-0.50	4.50
Livermore 1	1/24/80	Hood	CA	4	-121.516	38.368	-0.66	4.66
Livermore 1	1/24/80	Ione	CA	4	-120.932	38.353	-0.02	4.02
Livermore 1	1/24/80	Jenner	CA	4	-123.114	38.450	0.72	3.28
Livermore 1	1/24/80	Kenwood	CA	4	-122.545	38.414	0.03	3.97
Livermore 1	1/24/80	La Grange	CA	4	-120.463	37.664	0.14	3.86
Livermore 1	1/24/80	La Honda	CA	4	-122.273	37.319	-0.68	4.68
Livermore 1	1/24/80	Lafayette	CA	4	-122.117	37.886	-0.19	4.19
Livermore 1	1/24/80	Larkspur	CA	4	-122.512	37.938	-0.83	4.83
Livermore 1	1/24/80	Lockeford	CA	4	-121.149	38.164	-0.81	4.81
Livermore 1	1/24/80	Los Gatos	CA	4	-121.974	37.227	-0.28	4.28
Livermore 1	1/24/80	Marina	CA	4	-121.801	36.684	-0.20	4.20
Livermore 1	1/24/80	Menlo Park	CA	4	-122.181	37.454	-0.22	4.22
Livermore 1	1/24/80	Merced	CA	4	-120.482	37.302	0.37	3.63
Livermore 1	1/24/80	Mill Valley	CA	4	-122.544	37.906	-0.13	4.13
Livermore 1	1/24/80	Millbrae	CA	4	-122.386	37.599	-0.10	4.10
Livermore 1	1/24/80	Moffett Field Naval Air S	CA	4	-122.050	37.420	-0.82	4.82

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Livermore 1	1/24/80	Moss Beach	CA	4	-122.512	37.528	-0.23	4.23
Livermore 1	1/24/80	Moss Landing	CA	4	-121.786	36.804	-0.35	4.35
Livermore 1	1/24/80	Mount Eden	CA	4	-122.099	37.636	-1.04	5.04
Livermore 1	1/24/80	Mount Hamilton	CA	4	-121.640	37.340	-0.54	4.54
Livermore 1	1/24/80	Mount Hermon	CA	4	-122.058	37.051	-0.38	4.38
Livermore 1	1/24/80	Mountain Ranch	CA	4	-120.540	38.228	0.20	3.80
Livermore 1	1/24/80	Mountain View	CA	4	-122.083	37.386	-0.60	4.60
Livermore 1	1/24/80	Murphys	CA	4	-120.459	38.138	0.79	3.21
Livermore 1	1/24/80	New Almaden	CA	4	-121.820	37.176	-1.39	5.39
Livermore 1	1/24/80	Newman	CA	4	-121.020	37.314	-0.43	4.43
Livermore 1	1/24/80	Pacific Grove	CA	4	-121.916	36.618	0.20	3.80
Livermore 1	1/24/80	Pacifica	CA	4	-122.486	37.614	-0.23	4.23
Livermore 1	1/24/80	Palo Alto	CA	4	-122.142	37.442	-0.72	4.72
Livermore 1	1/24/80	Patterson	CA	4	-121.129	37.472	-0.34	4.34
Livermore 1	1/24/80	Pinecrest	CA	4	-119.990	38.189	1.29	2.71
Livermore 1	1/24/80	Pollock Pines	CA	4	-120.586	38.761	0.51	3.49
Livermore 1	1/24/80	Port Costa	CA	4	-122.182	38.046	-0.33	4.33
Livermore 1	1/24/80	Rail Road Flat	CA	4	-120.510	38.340	0.35	3.65
Livermore 1	1/24/80	Redwood City	CA	4	-122.235	37.485	-0.29	4.29
Livermore 1	1/24/80	Redwood Estates	CA	4	-121.986	37.156	-0.41	4.41
Livermore 1	1/24/80	River Pines	CA	4	-120.743	38.546	0.56	3.44
Livermore 1	1/24/80	Ryde	CA	4	-121.559	38.239	-0.25	4.25
Livermore 1	1/24/80	Sacramento	CA	4	-121.493	38.582	0.86	3.14
Livermore 1	1/24/80	San Ardo	CA	4	-120.904	36.021	0.00	4.00
Livermore 1	1/24/80	San Bruno	CA	4	-122.410	37.631	-0.34	4.34
Livermore 1	1/24/80	San Juan Bautista	CA	4	-121.537	36.846	-0.55	4.55
Livermore 1	1/24/80	San Martin	CA	4	-121.609	37.085	-0.23	4.23
Livermore 1	1/24/80	San Mateo	CA	4	-122.324	37.563	-0.52	4.52
Livermore 1	1/24/80	San Rafael	CA	4	-122.530	37.974	-0.14	4.14
Livermore 1	1/24/80	Santa Rita Park	CA	4	-120.594	37.048	-0.31	4.31
Livermore 1	1/24/80	Santa Rosa	CA	4	-122.713	38.441	0.41	3.59
Livermore 1	1/24/80	Saratoga	CA	4	-122.022	37.264	-1.04	5.04
Livermore 1	1/24/80	Sloughhouse	CA	4	-121.193	38.496	0.09	3.91
Livermore 1	1/24/80	Sonora	CA	4	-120.381	37.984	-0.10	4.10
Livermore 1	1/24/80	Soquel	CA	4	-121.956	36.988	-0.33	4.33
Livermore 1	1/24/80	South Dos Palos	CA	4	-120.652	36.964	-0.14	4.14
Livermore 1	1/24/80	South Lake Tahoe	CA	4	-119.983	38.933	1.46	2.54
Livermore 1	1/24/80	South San Leandro	CA	4	-122.130	37.710	-1.03	5.03
Livermore 1	1/24/80	Stinson Beach	CA	4	-122.643	37.901	-0.31	4.31
Livermore 1	1/24/80	Sunnyvale	CA	4	-122.035	37.369	-0.72	4.72
Livermore 1	1/24/80	Sutter Creek	CA	4	-120.801	38.393	0.07	3.93
Livermore 1	1/24/80	Talmage	CA	4	-123.167	39.133	0.96	3.04
Livermore 1	1/24/80	Thornton	CA	4	-121.424	38.226	-0.51	4.51
Livermore 1	1/24/80	Travis Air Force Base	CA	4	-121.930	38.250	-0.84	4.84
Livermore 1	1/24/80	Tuolumne	CA	4	-120.236	37.961	0.14	3.86
Livermore 1	1/24/80	Twain Harte	CA	4	-120.232	38.040	0.41	3.59
Livermore 1	1/24/80	Union City	CA	4	-122.080	37.600	-0.82	4.82

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Livermore 1	1/24/80	Vallecito	CA	4	-120.470	38.090	-0.39	4.39
Livermore 1	1/24/80	Valley Home	CA	4	-120.911	37.829	-0.32	4.32
Livermore 1	1/24/80	Villa Grande	CA	4	-123.024	38.473	0.76	3.24
Livermore 1	1/24/80	Waterford	CA	4	-120.759	37.641	-0.19	4.19
Livermore 1	1/24/80	Watsonville	CA	4	-121.756	36.910	0.18	3.82
Livermore 1	1/24/80	Westley	CA	4	-121.198	37.549	-1.02	5.02
Livermore 1	1/24/80	Winters	CA	4	-121.970	38.525	-0.70	4.70
Livermore 1	1/24/80	Woodacre	CA	4	-122.644	38.013	0.24	3.76
Livermore 1	1/24/80	Woodland	CA	4	-121.772	38.679	0.41	3.59
Livermore 1	1/24/80	Yolo	CA	4	-121.807	38.732	-0.15	4.15
Livermore 1	1/24/80	Alpaugh	CA	3	-119.486	35.888	0.17	2.83
Livermore 1	1/24/80	Angels Camp	CA	3	-120.539	38.068	-0.24	3.24
Livermore 1	1/24/80	Belvedere	CA	3	-122.463	37.873	-1.47	4.47
Livermore 1	1/24/80	Bishop	CA	3	-118.394	37.364	2.64	0.36
Livermore 1	1/24/80	Bodega	CA	3	-122.973	38.345	-0.27	3.27
Livermore 1	1/24/80	Bodega Bay	CA	3	-123.047	38.333	-0.04	3.04
Livermore 1	1/24/80	Browns Valley	CA	3	-121.408	39.242	-0.36	3.36
Livermore 1	1/24/80	Calistoga	CA	3	-122.579	38.579	-0.10	3.10
Livermore 1	1/24/80	Camino	CA	3	-120.674	38.738	0.38	2.62
Livermore 1	1/24/80	Carmel Valley	CA	3	-121.731	36.480	-0.62	3.62
Livermore 1	1/24/80	Carson City	NV	3	-119.766	39.164	1.92	1.08
Livermore 1	1/24/80	Castle Air Force Base	CA	3	-120.570	37.380	0.03	2.97
Livermore 1	1/24/80	Clements	CA	3	-121.087	38.191	-0.85	3.85
Livermore 1	1/24/80	Coalinga	CA	3	-120.359	36.140	0.29	2.71
Livermore 1	1/24/80	Corte Madera	CA	3	-122.526	37.926	-0.58	3.58
Livermore 1	1/24/80	Cotati	CA	3	-122.706	38.327	-0.99	3.99
Livermore 1	1/24/80	Davis	CA	3	-121.739	38.545	-0.63	3.63
Livermore 1	1/24/80	Eldridge	CA	3	-122.510	38.340	-0.88	3.88
Livermore 1	1/24/80	Elk Grove	CA	3	-121.371	38.409	-0.23	3.23
Livermore 1	1/24/80	Fairfax	CA	3	-122.588	37.987	-0.48	3.48
Livermore 1	1/24/80	Fresno	CA	3	-119.771	36.748	0.10	2.90
Livermore 1	1/24/80	Gardnerville	NV	3	-119.749	38.941	1.35	1.65
Livermore 1	1/24/80	Glen Ellen	CA	3	-122.523	38.364	0.38	2.62
Livermore 1	1/24/80	Graton	CA	3	-122.869	38.436	0.08	2.92
Livermore 1	1/24/80	Hanford	CA	3	-119.645	36.328	0.12	2.88
Livermore 1	1/24/80	Hathaway Pines	CA	3	-120.364	38.192	0.42	2.58
Livermore 1	1/24/80	Inverness	CA	3	-122.856	38.101	0.11	2.89
Livermore 1	1/24/80	Jolon	CA	3	-121.175	35.971	0.04	2.96
Livermore 1	1/24/80	King City	CA	3	-121.125	36.213	-0.43	3.43
Livermore 1	1/24/80	Knights Landing	CA	3	-121.717	38.800	0.52	2.48
Livermore 1	1/24/80	Le Grand	CA	3	-120.247	37.229	0.19	2.81
Livermore 1	1/24/80	Lee Vining	CA	3	-119.121	37.958	1.36	1.64
Livermore 1	1/24/80	Lemoore	CA	3	-119.782	36.301	0.50	2.50
Livermore 1	1/24/80	Los Banos	CA	3	-120.849	37.058	0.05	2.95
Livermore 1	1/24/80	Madison	CA	3	-121.967	38.679	-0.16	3.16
Livermore 1	1/24/80	Mariposa	CA	3	-119.965	37.485	0.29	2.71
Livermore 1	1/24/80	Marshall	CA	3	-122.893	38.161	-0.50	3.50

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Livermore 1	1/24/80	Mendota	CA	3	-120.381	36.754	-0.96	3.96
Livermore 1	1/24/80	Mi-Wuk Village	CA	3	-120.184	38.066	-0.46	3.46
Livermore 1	1/24/80	Monte Rio	CA	3	-123.008	38.466	-0.37	3.37
Livermore 1	1/24/80	Monterey	CA	3	-121.894	36.600	-0.16	3.16
Livermore 1	1/24/80	Morgan Hill	CA	3	-121.653	37.131	-0.67	3.67
Livermore 1	1/24/80	Mount Aukum	CA	3	-120.730	38.560	0.85	2.15
Livermore 1	1/24/80	Nevada City	CA	3	-121.015	39.262	-0.12	3.12
Livermore 1	1/24/80	O'Neals	CA	3	-119.693	37.128	-0.10	3.10
Livermore 1	1/24/80	Paicines	CA	3	-121.278	36.729	-0.77	3.77
Livermore 1	1/24/80	Placerville	CA	3	-120.798	38.730	0.06	2.94
Livermore 1	1/24/80	Raisin	CA	3	-119.910	36.610	0.59	2.41
Livermore 1	1/24/80	Reedley	CA	3	-119.449	36.596	0.67	2.33
Livermore 1	1/24/80	Reno	NV	3	-119.813	39.530	2.01	0.99
Livermore 1	1/24/80	Robbins	CA	3	-121.705	38.870	0.35	2.65
Livermore 1	1/24/80	Saint Helena	CA	3	-122.469	38.505	-0.20	3.20
Livermore 1	1/24/80	Salinas	CA	3	-121.654	36.678	-0.16	3.16
Livermore 1	1/24/80	San Anselmo	CA	3	-122.561	37.975	-0.71	3.71
Livermore 1	1/24/80	San Carlos	CA	3	-122.259	37.507	-0.76	3.76
Livermore 1	1/24/80	San Miguel	CA	3	-120.695	35.753	-0.09	3.09
Livermore 1	1/24/80	San Quentin	CA	3	-122.484	37.941	-0.83	3.83
Livermore 1	1/24/80	Sausalito	CA	3	-122.484	37.859	-0.60	3.60
Livermore 1	1/24/80	Seaside	CA	3	-121.851	36.611	-0.62	3.62
Livermore 1	1/24/80	Sebastopol	CA	3	-122.823	38.402	0.03	2.97
Livermore 1	1/24/80	Snelling	CA	3	-120.436	37.519	-0.03	3.03
Livermore 1	1/24/80	Sonoma	CA	3	-122.457	38.292	-0.32	3.32
Livermore 1	1/24/80	Stevinson	CA	3	-120.851	37.328	-0.40	3.40
Livermore 1	1/24/80	Strawberry Valley	CA	3	-121.106	39.564	0.63	2.37
Livermore 1	1/24/80	Tahoe Vista	CA	3	-120.050	39.240	1.25	1.75
Livermore 1	1/24/80	Tomales	CA	3	-122.904	38.246	-0.84	3.84
Livermore 1	1/24/80	Weed	CA	3	-122.385	41.423	3.61	-0.61
Livermore 1	1/24/80	West Point	CA	3	-120.526	38.399	0.11	2.89
Livermore 1	1/24/80	Wheatland	CA	3	-121.422	39.010	-0.01	3.01
Livermore 1	1/24/80	Wilton	CA	3	-121.271	38.412	-0.98	3.98
Livermore 1	1/24/80	Winton	CA	3	-120.612	37.389	-0.47	3.47
Livermore 1	1/24/80	Yosemite National Park	CA	3	-119.630	37.750	1.69	1.31
Livermore 2	1/27/80	Danville	CA	7	-121.999	37.822	-0.24	7.24
Livermore 2	1/27/80	Tassajara Valley	CA	7	-121.850	37.780		7.00
Livermore 2	1/27/80	Antioch	CA	6	-121.805	38.005	-0.36	6.36
Livermore 2	1/27/80	Boulder Creek	CA	6	-122.121	37.126	-0.47	6.47
Livermore 2	1/27/80	Brentwood	CA	6	-121.695	37.932	-0.37	6.37
Livermore 2	1/27/80	Diablo	CA	6	-121.957	37.835	-0.85	6.85
Livermore 2	1/27/80	Dublin	CA	6	-121.935	37.702	-0.08	6.08
Livermore 2	1/27/80	Livermore	CA	6	-121.767	37.682	0.05	5.95
Livermore 2	1/27/80	Pittsburg	CA	6	-121.884	38.028	0.17	5.83
Livermore 2	1/27/80	Pleasanton	CA	6	-121.874	37.663	-0.42	6.42
Livermore 2	1/27/80	San Ramon	CA	6	-121.977	37.780	-0.20	6.20
Livermore 2	1/27/80	Stockton	CA	6	-121.290	37.958	0.88	5.12

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Livermore 2	1/27/80	Walnut Creek	CA	6	-122.064	37.906	-0.03	6.03
Livermore 2	1/27/80	Byron	CA	5	-121.637	37.867	-0.40	5.40
Livermore 2	1/27/80	El Cerrito	CA	5	-122.311	37.916	-0.37	5.37
Livermore 2	1/27/80	Hayward	CA	5	-122.080	37.669	-0.36	5.36
Livermore 2	1/27/80	Lafayette	CA	5	-122.117	37.886	-0.19	5.19
Livermore 2	1/27/80	Mill Valley	CA	5	-122.544	37.906	-0.13	5.13
Livermore 2	1/27/80	Millbrae	CA	5	-122.386	37.599	-0.10	5.10
Livermore 2	1/27/80	Mount Eden	CA	5	-122.099	37.636	-1.04	6.04
Livermore 2	1/27/80	Mountain View	CA	5	-122.083	37.386	-0.60	5.60
Livermore 2	1/27/80	Napa	CA	5	-122.284	38.297	0.32	4.68
Livermore 2	1/27/80	Oakland	CA	5	-122.270	37.804	-0.14	5.14
Livermore 2	1/27/80	Palo Alto	CA	5	-122.142	37.442	-0.72	5.72
Livermore 2	1/27/80	Ripon	CA	5	-121.123	37.742	-0.16	5.16
Livermore 2	1/27/80	Salida	CA	5	-121.084	37.706	0.12	4.88
Livermore 2	1/27/80	San Francisco	CA	5	-122.418	37.775	1.18	3.82
Livermore 2	1/27/80	San Francisco International Airport	CA	5	-122.380	37.620	0.12	4.88
Livermore 2	1/27/80	San Geronimo	CA	5	-122.663	38.013	-1.02	6.02
Livermore 2	1/27/80	San Mateo	CA	5	-122.324	37.563	-0.52	5.52
Livermore 2	1/27/80	Vallejo	CA	5	-122.256	38.104	-0.12	5.12
Livermore 2	1/27/80	Alamo	CA	4	-122.031	37.850	-0.29	4.29
Livermore 2	1/27/80	Belmont	CA	4	-122.275	37.520	-0.33	4.33
Livermore 2	1/27/80	Ben Lomond	CA	4	-122.085	37.089	-1.15	5.15
Livermore 2	1/27/80	Brisbane	CA	4	-122.399	37.681	0.07	3.93
Livermore 2	1/27/80	Burlingame	CA	4	-122.365	37.584	-0.04	4.04
Livermore 2	1/27/80	Campbell	CA	4	-121.949	37.287	-0.80	4.80
Livermore 2	1/27/80	Ceres	CA	4	-120.957	37.595	-0.37	4.37
Livermore 2	1/27/80	Concord	CA	4	-122.030	37.978	-0.72	4.72
Livermore 2	1/27/80	Courtland	CA	4	-121.568	38.331	-0.15	4.15
Livermore 2	1/27/80	Crows Landing	CA	4	-121.071	37.394	-0.58	4.58
Livermore 2	1/27/80	Daly City	CA	4	-122.461	37.706	0.17	3.83
Livermore 2	1/27/80	El Granada	CA	4	-122.468	37.503	-0.48	4.48
Livermore 2	1/27/80	Fairfield	CA	4	-122.039	38.249	-0.14	4.14
Livermore 2	1/27/80	Farmington	CA	4	-120.999	37.930	0.04	3.96
Livermore 2	1/27/80	French Camp	CA	4	-121.270	37.884	-0.18	4.18
Livermore 2	1/27/80	Holt	CA	4	-121.426	37.934	-0.63	4.63
Livermore 2	1/27/80	Isleton	CA	4	-121.611	38.162	0.00	4.00
Livermore 2	1/27/80	La Honda	CA	4	-122.273	37.319	-0.68	4.68
Livermore 2	1/27/80	Lathrop	CA	4	-121.276	37.823	-0.31	4.31
Livermore 2	1/27/80	Linden	CA	4	-121.083	38.021	-0.94	4.94
Livermore 2	1/27/80	Lodi	CA	4	-121.271	38.130	0.01	3.99
Livermore 2	1/27/80	Manteca	CA	4	-121.215	37.798	-0.45	4.45
Livermore 2	1/27/80	Modesto	CA	4	-120.996	37.639	-0.39	4.39
Livermore 2	1/27/80	New Almaden	CA	4	-121.820	37.176	-1.39	5.39
Livermore 2	1/27/80	Newman	CA	4	-121.020	37.314	-0.43	4.43
Livermore 2	1/27/80	Oakley	CA	4	-121.711	37.998	-0.48	4.48
Livermore 2	1/27/80	Port Costa	CA	4	-122.182	38.046	-0.33	4.33

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Livermore 2	1/27/80	Redwood Estates	CA	4	-121.986	37.156	-0.41	4.41
Livermore 2	1/27/80	Richmond	CA	4	-122.347	37.936	-0.04	4.04
Livermore 2	1/27/80	San Jose	CA	4	-121.894	37.339	0.15	3.85
Livermore 2	1/27/80	San Leandro	CA	4	-122.155	37.725	-0.15	4.15
Livermore 2	1/27/80	San Lorenzo	CA	4	-122.123	37.681	-0.48	4.48
Livermore 2	1/27/80	Santa Clara	CA	4	-121.954	37.354	-0.28	4.28
Livermore 2	1/27/80	Santa Rosa	CA	4	-122.713	38.441	0.41	3.59
Livermore 2	1/27/80	Saratoga	CA	4	-122.022	37.264	-1.04	5.04
Livermore 2	1/27/80	South San Francisco	CA	4	-122.407	37.655	-0.44	4.44
Livermore 2	1/27/80	Thornton	CA	4	-121.424	38.226	-0.51	4.51
Livermore 2	1/27/80	Travis Air Force Base	CA	4	-121.930	38.250	-0.84	4.84
Livermore 2	1/27/80	Union City	CA	4	-122.080	37.600	-0.82	4.82
Livermore 2	1/27/80	Vacaville	CA	4	-121.987	38.357	-0.15	4.15
Livermore 2	1/27/80	Vernalis	CA	4	-121.286	37.631	0.06	3.94
Livermore 2	1/27/80	Victor	CA	4	-121.205	38.138	-0.68	4.68
Livermore 2	1/27/80	Walnut Grove	CA	4	-121.511	38.242	-0.05	4.05
Livermore 2	1/27/80	Woodland	CA	4	-121.772	38.679	0.41	3.59
Livermore 2	1/27/80	Benicia	CA	3	-122.158	38.049	-0.47	3.47
Livermore 2	1/27/80	Holy City	CA	3	-121.978	37.157	-0.50	3.50
Livermore 2	1/27/80	Larkspur	CA	3	-122.512	37.938	-0.83	3.83
Livermore 2	1/27/80	Maxwell	CA	3	-122.190	39.276	-0.49	3.49
Livermore 2	1/27/80	Rodeo	CA	3	-122.266	38.033	-0.03	3.03
Livermore 2	1/27/80	Ryde	CA	3	-121.559	38.239	-0.25	3.25
Livermore 2	1/27/80	Sacramento	CA	3	-121.493	38.582	0.86	2.14
Livermore 2	1/27/80	San Martin	CA	3	-121.609	37.085	-0.23	3.23
Livermore 2	1/27/80	San Pablo	CA	3	-122.344	37.962	0.47	2.53
Livermore 2	1/27/80	Sunnyvale	CA	3	-122.035	37.369	-0.72	3.72
Livermore 2	1/27/80	Sunol	CA	3	-121.890	37.600	-0.98	3.98
Alum Rock	1/15/81	Ben Lomond	CA	5	-122.085	37.089	-1.15	6.15
Alum Rock	1/15/81	Cupertino	CA	5	-122.031	37.323	-0.93	5.93
Alum Rock	1/15/81	Mountain View	CA	5	-122.083	37.386	-0.60	5.60
Alum Rock	1/15/81	Redwood Estates	CA	5	-121.986	37.156	-0.41	5.41
Alum Rock	1/15/81	San Jose	CA	5	-121.894	37.339	0.15	4.85
Alum Rock	1/15/81	San Martin	CA	5	-121.609	37.085	-0.23	5.23
Alum Rock	1/15/81	Santa Clara	CA	5	-121.954	37.354	-0.28	5.28
Alum Rock	1/15/81	Sonoma	CA	5	-120.381	37.984	-0.10	5.10
Alum Rock	1/15/81	Soquel	CA	5	-121.956	36.988	-0.33	5.33
Alum Rock	1/15/81	Aptos	CA	4	-121.898	36.977	-0.90	4.90
Alum Rock	1/15/81	Aromas	CA	4	-121.642	36.889	-0.42	4.42
Alum Rock	1/15/81	Brisbane	CA	4	-122.399	37.681	0.07	3.93
Alum Rock	1/15/81	Capitola	CA	4	-121.952	36.975	-0.50	4.50
Alum Rock	1/15/81	Carmel Valley	CA	4	-121.731	36.480	-0.62	4.62
Alum Rock	1/15/81	Castroville	CA	4	-121.757	36.766	-0.54	4.54
Alum Rock	1/15/81	Coarsegold	CA	4	-119.700	37.262	-0.30	4.30
Alum Rock	1/15/81	Concord	CA	4	-122.030	37.978	-0.72	4.72
Alum Rock	1/15/81	Daly City	CA	4	-122.461	37.706	0.17	3.83
Alum Rock	1/15/81	Davenport	CA	4	-122.191	37.012	-0.71	4.71

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Alum Rock	1/15/81	East Palo Alto	CA	4	-122.140	37.469	0.21	3.79
Alum Rock	1/15/81	Felton	CA	4	-122.072	37.051	-0.53	4.53
Alum Rock	1/15/81	Foster City	CA	4	-122.270	37.559	-0.31	4.31
Alum Rock	1/15/81	Gilroy	CA	4	-121.567	37.006	-0.08	4.08
Alum Rock	1/15/81	Half Moon Bay	CA	4	-122.428	37.464	-0.22	4.22
Alum Rock	1/15/81	Hickman	CA	4	-120.753	37.624	-0.12	4.12
Alum Rock	1/15/81	Hollister	CA	4	-121.401	36.853	0.11	3.89
Alum Rock	1/15/81	La Grange	CA	4	-120.463	37.664	0.14	3.86
Alum Rock	1/15/81	La Honda	CA	4	-122.273	37.319	-0.68	4.68
Alum Rock	1/15/81	Livermore	CA	4	-121.767	37.682	0.05	3.95
Alum Rock	1/15/81	Los Gatos	CA	4	-121.974	37.227	-0.28	4.28
Alum Rock	1/15/81	Menlo Park	CA	4	-122.181	37.454	-0.22	4.22
Alum Rock	1/15/81	Milpitas	CA	4	-121.906	37.428	-0.47	4.47
Alum Rock	1/15/81	Moffett Field Naval Air S	CA	4	-122.050	37.420	-0.82	4.82
Alum Rock	1/15/81	Monte Sereno	CA	4	-121.991	37.236	-1.17	5.17
Alum Rock	1/15/81	Monterey	CA	4	-121.894	36.600	-0.16	4.16
Alum Rock	1/15/81	Morgan Hill	CA	4	-121.653	37.131	-0.67	4.67
Alum Rock	1/15/81	Mount Hermon	CA	4	-122.058	37.051	-0.38	4.38
Alum Rock	1/15/81	New Almaden	CA	4	-121.820	37.176	-1.39	5.39
Alum Rock	1/15/81	Newark	CA	4	-122.039	37.530	-0.63	4.63
Alum Rock	1/15/81	Oakland	CA	4	-122.270	37.804	-0.14	4.14
Alum Rock	1/15/81	Pacific Grove	CA	4	-121.916	36.618	0.20	3.80
Alum Rock	1/15/81	Patterson	CA	4	-121.129	37.472	-0.34	4.34
Alum Rock	1/15/81	Redwood City	CA	4	-122.235	37.485	-0.29	4.29
Alum Rock	1/15/81	Salinas	CA	4	-121.654	36.678	-0.16	4.16
Alum Rock	1/15/81	San Francisco	CA	4	-122.418	37.775	1.18	2.82
Alum Rock	1/15/81	San Leandro	CA	4	-122.155	37.725	-0.15	4.15
Alum Rock	1/15/81	Santa Cruz	CA	4	-122.030	36.974	-0.07	4.07
Alum Rock	1/15/81	Saratoga	CA	4	-122.022	37.264	-1.04	5.04
Alum Rock	1/15/81	Scotts Valley	CA	4	-122.014	37.051	-0.50	4.50
Alum Rock	1/15/81	Seaside	CA	4	-121.851	36.611	-0.62	4.62
Alum Rock	1/15/81	South San Francisco	CA	4	-122.407	37.655	-0.44	4.44
Alum Rock	1/15/81	Stockton	CA	4	-121.290	37.958	0.88	3.12
Alum Rock	1/15/81	Sunnyvale	CA	4	-122.035	37.369	-0.72	4.72
Alum Rock	1/15/81	Sunol	CA	4	-121.890	37.600	-0.98	4.98
Alum Rock	1/15/81	Tres Pinos	CA	4	-121.320	36.790	-0.95	4.95
Alum Rock	1/15/81	Watsonville	CA	4	-121.756	36.910	0.18	3.82
Alum Rock	1/15/81	Atwater	CA	3	-120.608	37.348	0.05	2.95
Alum Rock	1/15/81	Bolinas	CA	3	-122.685	37.909	0.39	2.61
Alum Rock	1/15/81	Chualar	CA	3	-121.518	36.571	-0.28	3.28
Alum Rock	1/15/81	Crows Landing	CA	3	-121.071	37.394	-0.58	3.58
Alum Rock	1/15/81	Delhi	CA	3	-120.778	37.432	-0.05	3.05
Alum Rock	1/15/81	Denair	CA	3	-120.796	37.526	0.23	2.77
Alum Rock	1/15/81	Dos Palos	CA	3	-120.626	36.986	0.20	2.80
Alum Rock	1/15/81	El Granada	CA	3	-122.468	37.503	-0.48	3.48
Alum Rock	1/15/81	Fairfax	CA	3	-122.588	37.987	-0.48	3.48
Alum Rock	1/15/81	Hilmar	CA	3	-120.849	37.409	0.15	2.85

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Alum Rock	1/15/81	Keyes	CA	3	-120.914	37.557	-0.24	3.24
Alum Rock	1/15/81	King City	CA	3	-121.125	36.213	-0.43	3.43
Alum Rock	1/15/81	Livingston	CA	3	-120.723	37.387	0.48	2.52
Alum Rock	1/15/81	Marina	CA	3	-121.801	36.684	-0.20	3.20
Alum Rock	1/15/81	Middletown	CA	3	-122.614	38.753	0.93	2.07
Alum Rock	1/15/81	Moss Landing	CA	3	-121.786	36.804	-0.35	3.35
Alum Rock	1/15/81	Orange Cove	CA	3	-119.313	36.624	-1.23	4.23
Alum Rock	1/15/81	Robbins	CA	3	-121.705	38.870	0.35	2.65
Alum Rock	1/15/81	San Mateo	CA	3	-122.324	37.563	-0.52	3.52
Coalinga 1	5/2/83	Coalinga	CA	8	-120.359	36.140	0.29	7.71
Coalinga 1	5/2/83	Oilfields	CA	8	-120.310	36.250	-0.02	8.02
Coalinga 1	5/2/83	Avenal	CA	7	-120.128	36.004	0.21	6.79
Coalinga 1	5/2/83	Cantua Creek	CA	6	-120.315	36.501	-0.40	6.40
Coalinga 1	5/2/83	Cholame	CA	6	-120.296	35.724	-0.18	6.18
Coalinga 1	5/2/83	Corcoran	CA	6	-119.559	36.098	0.16	5.84
Coalinga 1	5/2/83	Firebaugh	CA	6	-120.455	36.859	-0.02	6.02
Coalinga 1	5/2/83	Helm	CA	6	-120.097	36.532	-0.49	6.49
Coalinga 1	5/2/83	Huron	CA	6	-120.102	36.203	-0.05	6.05
Coalinga 1	5/2/83	Lemoore Naval Air Station	CA	6	-119.930	36.300	-0.11	6.11
Coalinga 1	5/2/83	Paso Robles	CA	6	-120.690	35.627	-0.16	6.16
Coalinga 1	5/2/83	Raisin	CA	6	-119.910	36.610	0.59	5.41
Coalinga 1	5/2/83	Reedley	CA	6	-119.449	36.596	0.67	5.33
Coalinga 1	5/2/83	San Ardo	CA	6	-120.904	36.021	0.00	6.00
Coalinga 1	5/2/83	San Joaquin	CA	6	-120.188	36.607	-0.43	6.43
Coalinga 1	5/2/83	Stratford	CA	6	-119.822	36.189	0.47	5.53
Coalinga 1	5/2/83	Tranquillity	CA	6	-120.252	36.649	-0.48	6.48
Coalinga 1	5/2/83	Wasco	CA	6	-119.340	35.594	-0.09	6.09
Coalinga 1	5/2/83	Waukena	CA	6	-119.509	36.139	0.38	5.62
Coalinga 1	5/2/83	Ahwahnee	CA	5	-119.725	37.366	-0.25	5.25
Coalinga 1	5/2/83	Alpaugh	CA	5	-119.486	35.888	0.17	4.83
Coalinga 1	5/2/83	Armona	CA	5	-119.708	36.316	-0.24	5.24
Coalinga 1	5/2/83	Atascadero	CA	5	-120.670	35.489	0.38	4.62
Coalinga 1	5/2/83	Atwater	CA	5	-120.608	37.348	0.05	4.95
Coalinga 1	5/2/83	Auberry	CA	5	-119.484	37.081	0.73	4.27
Coalinga 1	5/2/83	Avila Beach	CA	5	-120.731	35.180	0.84	4.16
Coalinga 1	5/2/83	Badger	CA	5	-119.012	36.631	-0.69	5.69
Coalinga 1	5/2/83	Bakersfield	CA	5	-119.018	35.373	0.08	4.92
Coalinga 1	5/2/83	Ballico	CA	5	-120.705	37.454	-0.12	5.12
Coalinga 1	5/2/83	Big Creek	CA	5	-119.245	37.205	0.64	4.36
Coalinga 1	5/2/83	Biola	CA	5	-120.015	36.802	-0.08	5.08
Coalinga 1	5/2/83	Bishop	CA	5	-118.394	37.364	2.64	2.36
Coalinga 1	5/2/83	Bradley	CA	5	-120.800	35.863	-0.98	5.98
Coalinga 1	5/2/83	Burrel	CA	5	-119.984	36.488	0.08	4.92
Coalinga 1	5/2/83	California Valley	CA	5	-120.006	35.320	-0.16	5.16
Coalinga 1	5/2/83	Calwa	CA	5	-119.758	36.711	-1.56	6.56
Coalinga 1	5/2/83	Cambria	CA	5	-121.080	35.564	0.22	4.78
Coalinga 1	5/2/83	Carmel	CA	5	-121.920	36.560	0.10	4.90

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 1	5/2/83	Cartago	CA	5	-118.026	36.321	1.43	3.57
Coalinga 1	5/2/83	Caruthers	CA	5	-119.832	36.543	-0.03	5.03
Coalinga 1	5/2/83	Ceres	CA	5	-120.957	37.595	-0.37	5.37
Coalinga 1	5/2/83	China Lake	CA	5	-117.661	35.651	1.06	3.94
Coalinga 1	5/2/83	Chowchilla	CA	5	-120.259	37.123	-0.33	5.33
Coalinga 1	5/2/83	Chualar	CA	5	-121.518	36.571	-0.28	5.28
Coalinga 1	5/2/83	Clinger	CA	5	-119.780	36.730	-1.55	6.55
Coalinga 1	5/2/83	Clovis	CA	5	-119.702	36.825	0.54	4.46
Coalinga 1	5/2/83	Coarsegold	CA	5	-119.700	37.262	-0.30	5.30
Coalinga 1	5/2/83	Cressey	CA	5	-120.666	37.420	-0.16	5.16
Coalinga 1	5/2/83	Creston	CA	5	-120.523	35.519	-0.29	5.29
Coalinga 1	5/2/83	Delano	CA	5	-119.246	35.769	-0.01	5.01
Coalinga 1	5/2/83	Denair	CA	5	-120.796	37.526	0.23	4.77
Coalinga 1	5/2/83	Dinuba	CA	5	-119.386	36.543	0.01	4.99
Coalinga 1	5/2/83	Dos Palos	CA	5	-120.626	36.986	0.20	4.80
Coalinga 1	5/2/83	Dunlap	CA	5	-119.120	36.738	-0.78	5.78
Coalinga 1	5/2/83	Earlimart	CA	5	-119.271	35.884	0.22	4.78
Coalinga 1	5/2/83	Farmersville	CA	5	-119.206	36.298	0.17	4.83
Coalinga 1	5/2/83	Fort Ord	CA	5	-121.800	36.660	-0.44	5.44
Coalinga 1	5/2/83	Fowler	CA	5	-119.678	36.631	-0.09	5.09
Coalinga 1	5/2/83	Fresno	CA	5	-119.771	36.748	0.10	4.90
Coalinga 1	5/2/83	Friant	CA	5	-119.711	36.988	0.49	4.51
Coalinga 1	5/2/83	Greenfield	CA	5	-121.243	36.321	-0.28	5.28
Coalinga 1	5/2/83	Guadalupe	CA	5	-120.571	34.972	0.39	4.61
Coalinga 1	5/2/83	Hanford	CA	5	-119.645	36.328	0.12	4.88
Coalinga 1	5/2/83	Harmony	CA	5	-121.022	35.509	-0.67	5.67
Coalinga 1	5/2/83	Hollister	CA	5	-121.401	36.853	0.11	4.89
Coalinga 1	5/2/83	Hughson	CA	5	-120.865	37.597	-0.27	5.27
Coalinga 1	5/2/83	Hume	CA	5	-118.913	36.785	0.11	4.89
Coalinga 1	5/2/83	Inyokern	CA	5	-117.812	35.647	1.67	3.33
Coalinga 1	5/2/83	Ione	CA	5	-120.932	38.353	-0.02	5.02
Coalinga 1	5/2/83	Ivanhoe	CA	5	-119.217	36.387	-0.34	5.34
Coalinga 1	5/2/83	Jolon	CA	5	-121.175	35.971	0.04	4.96
Coalinga 1	5/2/83	Kerman	CA	5	-120.059	36.724	-1.16	6.16
Coalinga 1	5/2/83	Kernville	CA	5	-118.424	35.755	0.37	4.63
Coalinga 1	5/2/83	King City	CA	5	-121.125	36.213	-0.43	5.43
Coalinga 1	5/2/83	Kingsburg	CA	5	-119.553	36.514	-0.11	5.11
Coalinga 1	5/2/83	La Grange	CA	5	-120.463	37.664	0.14	4.86
Coalinga 1	5/2/83	Lake Isabella	CA	5	-118.472	35.618	1.18	3.82
Coalinga 1	5/2/83	Laton	CA	5	-119.686	36.433	0.03	4.97
Coalinga 1	5/2/83	Lemoore	CA	5	-119.782	36.301	0.50	4.50
Coalinga 1	5/2/83	Lindsay	CA	5	-119.087	36.203	0.47	4.53
Coalinga 1	5/2/83	Livingston	CA	5	-120.723	37.387	0.48	4.52
Coalinga 1	5/2/83	London	CA	5	-119.442	36.476	-0.66	5.66
Coalinga 1	5/2/83	Lone Pine	CA	5	-118.062	36.606	1.72	3.28
Coalinga 1	5/2/83	Los Alamos	CA	5	-120.277	34.744	1.00	4.00
Coalinga 1	5/2/83	Los Banos	CA	5	-120.849	37.058	0.05	4.95
Coalinga 1	5/2/83	Los Gatos	CA	5	-121.974	37.227	-0.28	5.28

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 1	5/2/83	Los Olivos	CA	5	-120.114	34.668	0.30	4.70
Coalinga 1	5/2/83	Los Osos	CA	5	-120.831	35.311	-0.11	5.11
Coalinga 1	5/2/83	Lost Hills	CA	5	-119.693	35.616	-0.23	5.23
Coalinga 1	5/2/83	Madera	CA	5	-120.060	36.961	-0.03	5.03
Coalinga 1	5/2/83	Maricopa	CA	5	-119.400	35.059	0.15	4.85
Coalinga 1	5/2/83	Marina	CA	5	-121.801	36.684	-0.20	5.20
Coalinga 1	5/2/83	Mckittrick	CA	5	-119.622	35.306	-0.36	5.36
Coalinga 1	5/2/83	Mendota	CA	5	-120.381	36.754	-0.96	5.96
Coalinga 1	5/2/83	Merced	CA	5	-120.482	37.302	0.37	4.63
Coalinga 1	5/2/83	Monterey	CA	5	-121.894	36.600	-0.16	5.16
Coalinga 1	5/2/83	O'Neals	CA	5	-119.693	37.128	-0.10	5.10
Coalinga 1	5/2/83	Oildale	CA	5	-119.020	35.420	-0.76	5.76
Coalinga 1	5/2/83	Olancho	CA	5	-118.006	36.282	1.89	3.11
Coalinga 1	5/2/83	Orosi	CA	5	-119.286	36.545	0.25	4.75
Coalinga 1	5/2/83	Oxnard	CA	5	-119.176	34.198	1.18	3.82
Coalinga 1	5/2/83	Patterson	CA	5	-121.129	37.472	-0.34	5.34
Coalinga 1	5/2/83	Piedra	CA	5	-119.381	36.810	0.15	4.85
Coalinga 1	5/2/83	Pinecrest	CA	5	-119.990	38.189	1.29	3.71
Coalinga 1	5/2/83	Pinedale	CA	5	-119.789	36.843	0.25	4.75
Coalinga 1	5/2/83	Pismo Beach	CA	5	-120.640	35.143	0.01	4.99
Coalinga 1	5/2/83	Pond	CA	5	-119.328	35.718	-0.57	5.57
Coalinga 1	5/2/83	Porterville	CA	5	-119.016	36.065	0.59	4.41
Coalinga 1	5/2/83	Redtop	CA	5	-120.490	37.090	-0.06	5.06
Coalinga 1	5/2/83	Ridgecrest	CA	5	-117.670	35.623	1.80	3.20
Coalinga 1	5/2/83	Riverbank	CA	5	-120.934	37.736	-0.08	5.08
Coalinga 1	5/2/83	Riverdale	CA	5	-119.859	36.431	-0.29	5.29
Coalinga 1	5/2/83	Salinas	CA	5	-121.654	36.678	-0.16	5.16
Coalinga 1	5/2/83	San Juan Bautista	CA	5	-121.537	36.846	-0.55	5.55
Coalinga 1	5/2/83	San Luis Obispo	CA	5	-120.659	35.283	0.17	4.83
Coalinga 1	5/2/83	San Miguel	CA	5	-120.695	35.753	-0.09	5.09
Coalinga 1	5/2/83	Sanger	CA	5	-119.555	36.708	-0.63	5.63
Coalinga 1	5/2/83	Santa Clara	CA	5	-121.954	37.354	-0.28	5.28
Coalinga 1	5/2/83	Santa Margarita	CA	5	-120.608	35.390	-0.41	5.41
Coalinga 1	5/2/83	Santa Maria	CA	5	-120.435	34.953	-0.15	5.15
Coalinga 1	5/2/83	Santa Rita Park	CA	5	-120.594	37.048	-0.31	5.31
Coalinga 1	5/2/83	Selma	CA	5	-119.611	36.571	0.10	4.90
Coalinga 1	5/2/83	Sequoia National Park	CA	5	-118.773	36.564	1.74	3.26
Coalinga 1	5/2/83	Shafter	CA	5	-119.271	35.501	0.13	4.87
Coalinga 1	5/2/83	Shandon	CA	5	-120.374	35.655	-0.09	5.09
Coalinga 1	5/2/83	Sierraville	CA	5	-120.366	39.590	3.43	1.57
Coalinga 1	5/2/83	Snelling	CA	5	-120.436	37.519	-0.03	5.03
Coalinga 1	5/2/83	Soledad	CA	5	-121.325	36.425	-0.16	5.16
Coalinga 1	5/2/83	South Dos Palos	CA	5	-120.652	36.964	-0.14	5.14
Coalinga 1	5/2/83	Spreckels	CA	5	-121.646	36.622	-0.28	5.28
Coalinga 1	5/2/83	Strathmore	CA	5	-119.060	36.146	0.25	4.75
Coalinga 1	5/2/83	Templeton	CA	5	-120.705	35.550	0.10	4.90
Coalinga 1	5/2/83	Three Rivers	CA	5	-118.904	36.439	0.19	4.81

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 1	5/2/83	Tipton	CA	5	-119.311	36.059	0.03	4.97
Coalinga 1	5/2/83	Traver	CA	5	-119.484	36.455	0.34	4.66
Coalinga 1	5/2/83	Trona	CA	5	-117.372	35.763	1.15	3.85
Coalinga 1	5/2/83	Tulare	CA	5	-119.346	36.208	-0.02	5.02
Coalinga 1	5/2/83	Twain Harte	CA	5	-120.232	38.040	0.41	4.59
Coalinga 1	5/2/83	Vernalis	CA	5	-121.286	37.631	0.06	4.94
Coalinga 1	5/2/83	Visalia	CA	5	-119.291	36.330	0.27	4.73
Coalinga 1	5/2/83	Waterford	CA	5	-120.759	37.641	-0.19	5.19
Coalinga 1	5/2/83	West Sacramento	CA	5	-121.529	38.581	0.11	4.89
Coalinga 1	5/2/83	Wilseyville	CA	5	-120.514	38.379	0.82	4.18
Coalinga 1	5/2/83	Wishon	CA	5	-119.540	37.300	-0.22	5.22
Coalinga 1	5/2/83	Woodville	CA	5	-119.198	36.094	-0.66	5.66
Coalinga 1	5/2/83	Woody	CA	5	-118.833	35.704	-0.23	5.23
Coalinga 1	5/2/83	Yettem	CA	5	-119.259	36.486	0.56	4.44
Coalinga 1	5/2/83	Yosemite National Park	CA	5	-119.630	37.750	1.69	3.31
Coalinga 1	5/2/83	Acampo	CA	4	-121.278	38.175	-0.62	4.62
Coalinga 1	5/2/83	Altaville	CA	4	-120.561	38.084	-0.37	4.37
Coalinga 1	5/2/83	Angels Camp	CA	4	-120.539	38.068	-0.24	4.24
Coalinga 1	5/2/83	Antioch	CA	4	-121.805	38.005	-0.36	4.36
Coalinga 1	5/2/83	Aromas	CA	4	-121.642	36.889	-0.42	4.42
Coalinga 1	5/2/83	Arroyo Grande	CA	4	-120.590	35.119	0.39	3.61
Coalinga 1	5/2/83	Barton	CA	4	-119.770	36.720	-2.56	6.56
Coalinga 1	5/2/83	Bass Lake	CA	4	-119.565	37.325	-0.17	4.17
Coalinga 1	5/2/83	Belmont	CA	4	-122.275	37.520	-0.33	4.33
Coalinga 1	5/2/83	Bethel Island	CA	4	-121.639	38.015	-0.37	4.37
Coalinga 1	5/2/83	Big Pine	CA	4	-118.289	37.165	1.23	2.77
Coalinga 1	5/2/83	Big Sur	CA	4	-121.806	36.270	-0.51	4.51
Coalinga 1	5/2/83	Blairsden	CA	4	-120.616	39.781	2.08	1.92
Coalinga 1	5/2/83	Bodfish	CA	4	-118.491	35.588	-0.29	4.29
Coalinga 1	5/2/83	Broderick	CA	4	-121.516	38.591	0.28	3.72
Coalinga 1	5/2/83	Brookdale	CA	4	-122.105	37.106	-0.41	4.41
Coalinga 1	5/2/83	Buellton	CA	4	-120.192	34.614	0.19	3.81
Coalinga 1	5/2/83	Buttonwillow	CA	4	-119.469	35.401	0.57	3.43
Coalinga 1	5/2/83	California Hot Springs	CA	4	-118.673	35.880	0.03	3.97
Coalinga 1	5/2/83	Campbell	CA	4	-121.949	37.287	-0.80	4.80
Coalinga 1	5/2/83	Camptonville	CA	4	-121.048	39.452	1.37	2.63
Coalinga 1	5/2/83	Canoga Park	CA	4	-118.597	34.201	0.47	3.53
Coalinga 1	5/2/83	Capitola	CA	4	-121.952	36.975	-0.50	4.50
Coalinga 1	5/2/83	Carmel Valley	CA	4	-121.731	36.480	-0.62	4.62
Coalinga 1	5/2/83	Carpinteria	CA	4	-119.518	34.399	-0.06	4.06
Coalinga 1	5/2/83	Carson City	NV	4	-119.766	39.164	1.92	2.08
Coalinga 1	5/2/83	Castroville	CA	4	-121.757	36.766	-0.54	4.54
Coalinga 1	5/2/83	Catheys Valley	CA	4	-120.097	37.433	-0.77	4.77
Coalinga 1	5/2/83	Cayucos	CA	4	-120.891	35.443	-0.73	4.73
Coalinga 1	5/2/83	Courtland	CA	4	-121.568	38.331	-0.15	4.15
Coalinga 1	5/2/83	Crows Landing	CA	4	-121.071	37.394	-0.58	4.58

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 1	5/2/83	Cutler	CA	4	-119.286	36.523	-0.20	4.20
Coalinga 1	5/2/83	Daly City	CA	4	-122.461	37.706	0.17	3.83
Coalinga 1	5/2/83	Danville	CA	4	-121.999	37.822	-0.24	4.24
Coalinga 1	5/2/83	Davenport	CA	4	-122.191	37.012	-0.71	4.71
Coalinga 1	5/2/83	Del Rey	CA	4	-119.593	36.659	0.11	3.89
Coalinga 1	5/2/83	Delhi	CA	4	-120.778	37.432	-0.05	4.05
Coalinga 1	5/2/83	Di Giorgio	CA	4	-118.851	35.253	-0.61	4.61
Coalinga 1	5/2/83	Ducor	CA	4	-119.046	35.892	-0.19	4.19
Coalinga 1	5/2/83	East Fresno (Fresno)	CA	4	-119.700	36.750	-2.42	6.42
Coalinga 1	5/2/83	Edwards	CA	4	-117.934	34.926	1.29	2.71
Coalinga 1	5/2/83	El Portal	CA	4	-119.783	37.675	0.38	3.62
Coalinga 1	5/2/83	Elk Grove	CA	4	-121.371	38.409	-0.23	4.23
Coalinga 1	5/2/83	Elmira	CA	4	-121.909	38.348	-0.42	4.42
Coalinga 1	5/2/83	Elverta	CA	4	-121.462	38.714	0.55	3.45
Coalinga 1	5/2/83	Exeter	CA	4	-119.141	36.296	0.14	3.86
Coalinga 1	5/2/83	Felton	CA	4	-122.072	37.051	-0.53	4.53
Coalinga 1	5/2/83	Foresthill	CA	4	-120.817	39.020	1.08	2.92
Coalinga 1	5/2/83	Frazier Park	CA	4	-118.944	34.823	-0.18	4.18
Coalinga 1	5/2/83	Freedom	CA	4	-121.772	36.935	-0.84	4.84
Coalinga 1	5/2/83	Galt	CA	4	-121.299	38.255	-0.72	4.72
Coalinga 1	5/2/83	Genoa	NV	4	-119.846	39.004	2.05	1.95
Coalinga 1	5/2/83	Glenbrook	NV	4	-119.938	39.089	1.80	2.20
Coalinga 1	5/2/83	Glencoe	CA	4	-120.584	38.354	0.77	3.23
Coalinga 1	5/2/83	Glennville	CA	4	-118.703	35.729	-0.61	4.61
Coalinga 1	5/2/83	Gonzales	CA	4	-121.443	36.507	-1.02	5.02
Coalinga 1	5/2/83	Groveland	CA	4	-120.232	37.838	-0.34	4.34
Coalinga 1	5/2/83	Grover City	CA	4	-120.620	35.120	0.34	3.66
Coalinga 1	5/2/83	Gustine	CA	4	-120.998	37.258	-0.32	4.32
Coalinga 1	5/2/83	Hathaway Pines	CA	4	-120.364	38.192	0.42	3.58
Coalinga 1	5/2/83	Hayward	CA	4	-122.080	37.669	-0.36	4.36
Coalinga 1	5/2/83	Hickman	CA	4	-120.753	37.624	-0.12	4.12
Coalinga 1	5/2/83	Hilmar	CA	4	-120.849	37.409	0.15	3.85
Coalinga 1	5/2/83	Homewood	CA	4	-120.159	39.087	1.20	2.80
Coalinga 1	5/2/83	Hornitos	CA	4	-120.237	37.502	0.20	3.80
Coalinga 1	5/2/83	Independence	CA	4	-118.199	36.803	0.87	3.13
Coalinga 1	5/2/83	Isleton	CA	4	-121.611	38.162	0.00	4.00
Coalinga 1	5/2/83	Kaweah	CA	4	-118.918	36.470	-0.84	4.84
Coalinga 1	5/2/83	Kern City	CA	4	-119.073	35.354	-1.00	5.00
Coalinga 1	5/2/83	Keyes	CA	4	-120.914	37.557	-0.24	4.24
Coalinga 1	5/2/83	Knights Landing	CA	4	-121.717	38.800	0.52	3.48
Coalinga 1	5/2/83	Lake Hughes	CA	4	-118.444	34.677	-0.75	4.75
Coalinga 1	5/2/83	Lakeshore	CA	4	-119.174	37.253	-0.15	4.15
Coalinga 1	5/2/83	Lamont	CA	4	-118.913	35.260	-0.32	4.32
Coalinga 1	5/2/83	Las Vegas (North)	NV	4	-115.130	36.200	5.55	-1.55
Coalinga 1	5/2/83	Lathrop	CA	4	-121.276	37.823	-0.31	4.31
Coalinga 1	5/2/83	Lebec	CA	4	-118.864	34.842	-1.29	5.29
Coalinga 1	5/2/83	Lee Vining	CA	4	-119.121	37.958	1.36	2.64

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 1	5/2/83	Lemoncove	CA	4	-119.024	36.383	-1.35	5.35
Coalinga 1	5/2/83	Livermore	CA	4	-121.767	37.682	0.05	3.95
Coalinga 1	5/2/83	Lockwood	CA	4	-121.081	35.937	-0.99	4.99
Coalinga 1	5/2/83	Long Barn	CA	4	-120.133	38.093	0.88	3.12
Coalinga 1	5/2/83	Los Alamitos	CA	4	-118.072	33.803	-0.06	4.06
Coalinga 1	5/2/83	Manteca	CA	4	-121.215	37.798	-0.45	4.45
Coalinga 1	5/2/83	Mariposa	CA	4	-119.965	37.485	0.29	3.71
Coalinga 1	5/2/83	Mcfarland	CA	4	-119.228	35.678	-0.02	4.02
Coalinga 1	5/2/83	Minden	NV	4	-119.765	38.954	1.49	2.51
Coalinga 1	5/2/83	Modesto	CA	4	-120.996	37.639	-0.39	4.39
Coalinga 1	5/2/83	Moffett Field Naval Air S	CA	4	-122.050	37.420	-0.82	4.82
Coalinga 1	5/2/83	Morgan Hill	CA	4	-121.653	37.131	-0.67	4.67
Coalinga 1	5/2/83	Morro Bay	CA	4	-120.849	35.366	-0.20	4.20
Coalinga 1	5/2/83	Moss Landing	CA	4	-121.786	36.804	-0.35	4.35
Coalinga 1	5/2/83	Mount Aukum	CA	4	-120.730	38.560	0.85	3.15
Coalinga 1	5/2/83	Mount Hermon	CA	4	-122.058	37.051	-0.38	4.38
Coalinga 1	5/2/83	Mountain Ranch	CA	4	-120.540	38.228	0.20	3.80
Coalinga 1	5/2/83	Mountain View	CA	4	-122.083	37.386	-0.60	4.60
Coalinga 1	5/2/83	Murphys	CA	4	-120.459	38.138	0.79	3.21
Coalinga 1	5/2/83	Newman	CA	4	-121.020	37.314	-0.43	4.43
Coalinga 1	5/2/83	Newport Beach	CA	4	-117.928	33.619	1.94	2.06
Coalinga 1	5/2/83	Nipomo	CA	4	-120.475	35.043	-0.31	4.31
Coalinga 1	5/2/83	North Fork	CA	4	-119.509	37.230	-1.00	5.00
Coalinga 1	5/2/83	Northridge	CA	4	-118.536	34.228	1.59	2.41
Coalinga 1	5/2/83	Oakley	CA	4	-121.711	37.998	-0.48	4.48
Coalinga 1	5/2/83	Oceano	CA	4	-120.611	35.099	0.44	3.56
Coalinga 1	5/2/83	Onyx	CA	4	-118.220	35.690	0.82	3.18
Coalinga 1	5/2/83	Orange Cove	CA	4	-119.313	36.624	-1.23	5.23
Coalinga 1	5/2/83	Pacific Grove	CA	4	-121.916	36.618	0.20	3.80
Coalinga 1	5/2/83	Paicines	CA	4	-121.278	36.729	-0.77	4.77
Coalinga 1	5/2/83	Pebble Beach	CA	4	-121.970	36.570	-0.44	4.44
Coalinga 1	5/2/83	Pescadero	CA	4	-122.380	37.255	-0.17	4.17
Coalinga 1	5/2/83	Pittsburg	CA	4	-121.884	38.028	0.17	3.83
Coalinga 1	5/2/83	Planada	CA	4	-120.318	37.291	-0.76	4.76
Coalinga 1	5/2/83	Pleasanton	CA	4	-121.874	37.663	-0.42	4.42
Coalinga 1	5/2/83	Port Hueneme	CA	4	-119.194	34.148	0.29	3.71
Coalinga 1	5/2/83	Posey	CA	4	-118.682	35.805	-0.35	4.35
Coalinga 1	5/2/83	Prather	CA	4	-119.513	37.038	-0.48	4.48
Coalinga 1	5/2/83	Rail Road Flat	CA	4	-120.510	38.340	0.35	3.65
Coalinga 1	5/2/83	Raymond	CA	4	-119.904	37.217	-1.18	5.18
Coalinga 1	5/2/83	Redwood Estates	CA	4	-121.986	37.156	-0.41	4.41
Coalinga 1	5/2/83	Richgrove	CA	4	-119.107	35.797	-1.21	5.21
Coalinga 1	5/2/83	Ripon	CA	4	-121.123	37.742	-0.16	4.16
Coalinga 1	5/2/83	Romie Lane	CA	4	-121.660	36.660	-1.40	5.40
Coalinga 1	5/2/83	Rosamond	CA	4	-118.163	34.864	-0.69	4.69
Coalinga 1	5/2/83	Sacramento	CA	4	-121.493	38.582	0.86	3.14
Coalinga 1	5/2/83	Salida	CA	4	-121.084	37.706	0.12	3.88

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 1	5/2/83	San Francisco	CA	4	-122.418	37.775	1.18	2.82
Coalinga 1	5/2/83	San Simeon	CA	4	-121.190	35.644	-0.82	4.82
Coalinga 1	5/2/83	Santa Cruz	CA	4	-122.030	36.974	-0.07	4.07
Coalinga 1	5/2/83	Santa Maria	CA	4	-120.435	34.953	-0.15	4.15
Coalinga 1	5/2/83	Schurz	NV	4	-118.810	38.950	3.12	0.88
Coalinga 1	5/2/83	Shell Beach	CA	4	-120.671	35.155	-1.53	5.53
Coalinga 1	5/2/83	Solvang	CA	4	-120.137	34.596	-0.25	4.25
Coalinga 1	5/2/83	Sonora	CA	4	-120.381	37.984	-0.10	4.10
Coalinga 1	5/2/83	South Gate	CA	4	-118.211	33.955	-0.15	4.15
Coalinga 1	5/2/83	Sparks	NV	4	-119.752	39.535	1.74	2.26
Coalinga 1	5/2/83	Stevinson	CA	4	-120.851	37.328	-0.40	4.40
Coalinga 1	5/2/83	Sultana	CA	4	-119.339	36.546	-0.01	4.01
Coalinga 1	5/2/83	Summerland	CA	4	-119.596	34.421	-0.43	4.43
Coalinga 1	5/2/83	Taft	CA	4	-119.456	35.143	-0.46	4.46
Coalinga 1	5/2/83	Tehachapi	CA	4	-118.448	35.132	-0.63	4.63
Coalinga 1	5/2/83	Terra Bella	CA	4	-119.043	35.963	-0.18	4.18
Coalinga 1	5/2/83	Tollhouse	CA	4	-119.398	37.019	-1.59	5.59
Coalinga 1	5/2/83	Tres Pinos	CA	4	-121.320	36.790	-0.95	4.95
Coalinga 1	5/2/83	Tuolumne	CA	4	-120.236	37.961	0.14	3.86
Coalinga 1	5/2/83	Tupman	CA	4	-119.350	35.298	-0.72	4.72
Coalinga 1	5/2/83	Turlock	CA	4	-120.846	37.495	0.35	3.65
Coalinga 1	5/2/83	Vallecito	CA	4	-120.470	38.090	-0.39	4.39
Coalinga 1	5/2/83	Valley Home	CA	4	-120.911	37.829	-0.32	4.32
Coalinga 1	5/2/83	Valley Springs	CA	4	-120.828	38.192	0.10	3.90
Coalinga 1	5/2/83	Ventura	CA	4	-119.292	34.278	0.50	3.50
Coalinga 1	5/2/83	Walnut Grove	CA	4	-121.511	38.242	-0.05	4.05
Coalinga 1	5/2/83	Winton	CA	4	-120.612	37.389	-0.47	4.47
Coalinga 1	5/2/83	Wofford Heights	CA	4	-118.455	35.707	-0.96	4.96
Coalinga 1	5/2/83	Woodlake	CA	4	-119.100	36.410	-1.77	5.77
Coalinga 1	5/2/83	Woodland	CA	4	-121.772	38.679	0.41	3.59
Coalinga 1	5/2/83	Yerington	NV	4	-119.162	38.986	2.50	1.50
Coalinga 1	5/2/83	Zephyr Cove	NV	4	-119.955	39.002	1.39	2.61
Coalinga 1	5/2/83	Alta	CA	3	-120.810	39.207	1.08	1.92
Coalinga 1	5/2/83	Amador City	CA	3	-120.823	38.419	0.00	3.00
Coalinga 1	5/2/83	Aptos	CA	3	-121.898	36.977	-0.90	3.90
Coalinga 1	5/2/83	Avery	CA	3	-120.369	38.204	-0.46	3.46
Coalinga 1	5/2/83	Bayside	CA	3	-124.063	40.843	7.44	-4.44
Coalinga 1	5/2/83	Ben Lomond	CA	3	-122.085	37.089	-1.15	4.15
Coalinga 1	5/2/83	Bolinas	CA	3	-122.685	37.909	0.39	2.61
Coalinga 1	5/2/83	Boulder Creek	CA	3	-122.121	37.126	-0.47	3.47
Coalinga 1	5/2/83	Brentwood	CA	3	-121.695	37.932	-0.37	3.37
Coalinga 1	5/2/83	Brisbane	CA	3	-122.399	37.681	0.07	2.93
Coalinga 1	5/2/83	Camino	CA	3	-120.674	38.738	0.38	2.62
Coalinga 1	5/2/83	Campo	CA	3	-116.468	32.606	5.97	-2.97
Coalinga 1	5/2/83	Carnelian Bay	CA	3	-120.081	39.227	1.64	1.36
Coalinga 1	5/2/83	Castaic	CA	3	-118.622	34.489	-0.80	3.80
Coalinga 1	5/2/83	Cedar Ridge	CA	3	-121.020	39.199	1.13	1.87
Coalinga 1	5/2/83	Challenge	CA	3	-121.223	39.488	0.71	2.29

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 1	5/2/83	Chinese Camp	CA	3	-120.432	37.871	-1.05	4.05
Coalinga 1	5/2/83	Citrus Heights	CA	3	-121.280	38.707	-0.11	3.11
Coalinga 1	5/2/83	Clarksburg	CA	3	-121.526	38.421	0.10	2.90
Coalinga 1	5/2/83	Clements	CA	3	-121.087	38.191	-0.85	3.85
Coalinga 1	5/2/83	Coleville	CA	3	-119.506	38.566	1.20	1.80
Coalinga 1	5/2/83	Copperopolis	CA	3	-120.641	37.981	-0.43	3.43
Coalinga 1	5/2/83	Coulterville	CA	3	-120.197	37.711	-1.49	4.49
Coalinga 1	5/2/83	Cupertino	CA	3	-122.031	37.323	-0.93	3.93
Coalinga 1	5/2/83	Dunnigan	CA	3	-121.969	38.885	0.51	2.49
Coalinga 1	5/2/83	Dyer	NV	3	-118.080	37.680	0.21	2.79
Coalinga 1	5/2/83	East Nicolaus	CA	3	-121.544	38.910	-0.01	3.01
Coalinga 1	5/2/83	Edison	CA	3	-118.871	35.348	0.02	2.98
Coalinga 1	5/2/83	Escalon	CA	3	-120.996	37.798	-0.67	3.67
Coalinga 1	5/2/83	Fernley	NV	3	-119.250	39.610	1.63	1.37
Coalinga 1	5/2/83	Fillmore	CA	3	-118.917	34.399	0.66	2.34
Coalinga 1	5/2/83	French Camp	CA	3	-121.270	37.884	-0.18	3.18
Coalinga 1	5/2/83	Fullerton	CA	3	-117.924	33.870	0.00	3.00
Coalinga 1	5/2/83	Gabbs	NV	3	-117.920	38.870	3.08	-0.08
Coalinga 1	5/2/83	Garden Valley	CA	3	-120.858	38.854	0.57	2.43
Coalinga 1	5/2/83	Gardnerville	NV	3	-119.749	38.941	1.35	1.65
Coalinga 1	5/2/83	Halcyon	CA	3	-120.595	35.103	-0.55	3.55
Coalinga 1	5/2/83	Half Moon Bay	CA	3	-122.428	37.464	-0.22	3.22
Coalinga 1	5/2/83	Hamilton City	CA	3	-122.013	39.743	1.29	1.71
Coalinga 1	5/2/83	Hawthorne-Nv	NV	3	-118.624	38.525	1.66	1.34
Coalinga 1	5/2/83	Henderson	NV	3	-114.981	36.040	3.96	-0.96
Coalinga 1	5/2/83	Herald	CA	3	-121.243	38.296	-0.46	3.46
Coalinga 1	5/2/83	Holt	CA	3	-121.426	37.934	-0.63	3.63
Coalinga 1	5/2/83	Hood	CA	3	-121.516	38.368	-0.66	3.66
Coalinga 1	5/2/83	Huntington Beach	CA	3	-117.998	33.660	0.29	2.71
Coalinga 1	5/2/83	Iowa Hill	CA	3	-120.858	39.109	1.43	1.57
Coalinga 1	5/2/83	Janesville	CA	3	-120.523	40.297	4.24	-1.24
Coalinga 1	5/2/83	June Lake	CA	3	-119.074	37.780	1.00	2.00
Coalinga 1	5/2/83	Kyburz	CA	3	-120.296	38.775	0.75	2.25
Coalinga 1	5/2/83	La Honda	CA	3	-122.273	37.319	-0.68	3.68
Coalinga 1	5/2/83	Lancaster	CA	3	-118.136	34.698	-0.80	3.80
Coalinga 1	5/2/83	Las Vegas	NV	3	-115.150	36.183	3.58	-0.58
Coalinga 1	5/2/83	Lincoln	CA	3	-121.292	38.892	-0.31	3.31
Coalinga 1	5/2/83	Linden	CA	3	-121.083	38.021	-0.94	3.94
Coalinga 1	5/2/83	Lockeford	CA	3	-121.149	38.164	-0.81	3.81
Coalinga 1	5/2/83	Lompoc	CA	3	-120.457	34.639	0.41	2.59
Coalinga 1	5/2/83	Los Angeles	CA	3	-118.243	34.052	1.11	1.89
Coalinga 1	5/2/83	Lynwood	CA	3	-118.211	33.930	-0.44	3.44
Coalinga 1	5/2/83	Madison	CA	3	-121.967	38.679	-0.16	3.16
Coalinga 1	5/2/83	Mammoth Lakes	CA	3	-118.971	37.649	-0.06	3.06
Coalinga 1	5/2/83	Markleeville	CA	3	-119.779	38.695	0.41	2.59
Coalinga 1	5/2/83	Marysville	CA	3	-121.590	39.146	0.54	2.46
Coalinga 1	5/2/83	Mi-Wuk Village	CA	3	-120.184	38.066	-0.46	3.46
Coalinga 1	5/2/83	Milpitas	CA	3	-121.906	37.428	-0.47	3.47

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 1	5/2/83	Moraga	CA	3	-122.129	37.835	-0.25	3.25
Coalinga 1	5/2/83	New Cuyama	CA	3	-119.684	34.947	0.19	2.81
Coalinga 1	5/2/83	Newark	CA	3	-122.039	37.530	-0.63	3.63
Coalinga 1	5/2/83	Nicolaus	CA	3	-121.577	38.903	-0.30	3.30
Coalinga 1	5/2/83	Norden	CA	3	-120.355	39.318	0.21	2.79
Coalinga 1	5/2/83	Oakdale	CA	3	-120.846	37.767	-0.12	3.12
Coalinga 1	5/2/83	Oakland	CA	3	-122.270	37.804	-0.14	3.14
Coalinga 1	5/2/83	Ojai	CA	3	-119.242	34.448	-0.49	3.49
Coalinga 1	5/2/83	Olivehurst	CA	3	-121.551	39.096	0.48	2.52
Coalinga 1	5/2/83	Pahrump	NV	3	-115.983	36.208	2.00	1.00
Coalinga 1	5/2/83	Palo Alto	CA	3	-122.142	37.442	-0.72	3.72
Coalinga 1	5/2/83	Petaluma	CA	3	-122.636	38.233	0.40	2.60
Coalinga 1	5/2/83	Pinole	CA	3	-122.298	38.004	0.36	2.64
Coalinga 1	5/2/83	Pleasant Grove	CA	3	-121.483	38.824	-0.03	3.03
Coalinga 1	5/2/83	Pollock Pines	CA	3	-120.586	38.761	0.51	2.49
Coalinga 1	5/2/83	Port Costa	CA	3	-122.182	38.046	-0.33	3.33
Coalinga 1	5/2/83	Portola	CA	3	-120.468	39.811	2.68	0.32
Coalinga 1	5/2/83	Potrero	CA	3	-116.612	32.605	3.53	-0.53
Coalinga 1	5/2/83	Potter Valley	CA	3	-123.112	39.322	1.07	1.93
Coalinga 1	5/2/83	Proberta	CA	3	-122.169	40.082	2.23	0.77
Coalinga 1	5/2/83	Redwood City	CA	3	-122.235	37.485	-0.29	3.29
Coalinga 1	5/2/83	Rio Oso	CA	3	-121.543	38.961	0.07	2.93
Coalinga 1	5/2/83	River Pines	CA	3	-120.743	38.546	0.56	2.44
Coalinga 1	5/2/83	Robbins	CA	3	-121.705	38.870	0.35	2.65
Coalinga 1	5/2/83	Roseville	CA	3	-121.287	38.752	-0.23	3.23
Coalinga 1	5/2/83	Ryde	CA	3	-121.559	38.239	-0.25	3.25
Coalinga 1	5/2/83	San Andreas	CA	3	-120.679	38.196	-0.65	3.65
Coalinga 1	5/2/83	San Carlos	CA	3	-122.259	37.507	-0.76	3.76
Coalinga 1	5/2/83	San Gabriel	CA	3	-118.105	34.096	-0.25	3.25
Coalinga 1	5/2/83	San Lorenzo	CA	3	-122.123	37.681	-0.48	3.48
Coalinga 1	5/2/83	San Rafael	CA	3	-122.530	37.974	-0.14	3.14
Coalinga 1	5/2/83	Santa Barbara	CA	3	-119.697	34.421	0.92	2.08
Coalinga 1	5/2/83	Santa Monica	CA	3	-118.490	34.019	1.17	1.83
Coalinga 1	5/2/83	Saugus	CA	3	-118.539	34.411	0.59	2.41
Coalinga 1	5/2/83	Seaside	CA	3	-121.851	36.611	-0.62	3.62
Coalinga 1	5/2/83	Shaver Lake	CA	3	-119.317	37.104	-2.35	5.35
Coalinga 1	5/2/83	Sheridan	CA	3	-121.374	38.980	0.96	2.04
Coalinga 1	5/2/83	Silver Springs	NV	3	-119.220	39.420	2.49	0.51
Coalinga 1	5/2/83	Simi Valley	CA	3	-118.781	34.269	0.26	2.74
Coalinga 1	5/2/83	Sloughhouse	CA	3	-121.193	38.496	0.09	2.91
Coalinga 1	5/2/83	Smith	NV	3	-119.326	38.801	1.52	1.48
Coalinga 1	5/2/83	Soulsbyville	CA	3	-120.263	37.985	-0.83	3.83
Coalinga 1	5/2/83	South Lake Tahoe	CA	3	-119.983	38.933	1.46	1.54
Coalinga 1	5/2/83	South San Francisco	CA	3	-122.407	37.655	-0.44	3.44
Coalinga 1	5/2/83	Stockton	CA	3	-121.290	37.958	0.88	2.12
Coalinga 1	5/2/83	Sunnyvale	CA	3	-122.035	37.369	-0.72	3.72
Coalinga 1	5/2/83	Susanville	CA	3	-120.652	40.416	4.52	-1.52
Coalinga 1	5/2/83	Tahoma	CA	3	-120.127	39.068	0.46	2.54

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 1	5/2/83	Thornton	CA	3	-121.424	38.226	-0.51	3.51
Coalinga 1	5/2/83	Tracy	CA	3	-121.424	37.740	-0.42	3.42
Coalinga 1	5/2/83	Valyermo	CA	3	-117.851	34.446	-0.44	3.44
Coalinga 1	5/2/83	Van Nuys	CA	3	-118.448	34.187	0.20	2.80
Coalinga 1	5/2/83	Vandenberg Air Force Base	CA	3	-120.580	34.730	0.62	2.38
Coalinga 1	5/2/83	Villa Grande	CA	3	-123.024	38.473	0.76	2.24
Coalinga 1	5/2/83	West Point	CA	3	-120.526	38.399	0.11	2.89
Coalinga 1	5/2/83	Westley	CA	3	-121.198	37.549	-1.02	4.02
Coalinga 1	5/2/83	Wheatland	CA	3	-121.422	39.010	-0.01	3.01
Coalinga 1	5/2/83	Woodbridge	CA	3	-121.300	38.154	-0.83	3.83
Coalinga 1	5/2/83	Yermo	CA	3	-116.819	34.905	1.12	1.88
Coalinga 1	5/2/83	Yolo	CA	3	-121.807	38.732	-0.15	3.15
Coalinga 1	5/2/83	Yuba City	CA	3	-121.616	39.141	0.54	2.46
Coalinga 5	5/9/83	Coalinga	CA	6	-120.359	36.140	0.29	5.71
Coalinga 5	5/9/83	Arvin	CA	5	-118.828	35.209	0.57	4.43
Coalinga 5	5/9/83	Avenal	CA	5	-120.128	36.004	0.21	4.79
Coalinga 5	5/9/83	Cantua Creek	CA	5	-120.315	36.501	-0.40	5.40
Coalinga 5	5/9/83	Kerman	CA	5	-120.059	36.724	-1.16	6.16
Coalinga 5	5/9/83	La Grange	CA	5	-120.463	37.664	0.14	4.86
Coalinga 5	5/9/83	Lemoore Naval Air Station	CA	5	-119.930	36.300	-0.11	5.11
Coalinga 5	5/9/83	Pacific Grove	CA	5	-121.916	36.618	0.20	4.80
Coalinga 5	5/9/83	Parlier	CA	5	-119.526	36.612	1.28	3.72
Coalinga 5	5/9/83	Shandon	CA	5	-120.374	35.655	-0.09	5.09
Coalinga 5	5/9/83	Soledad	CA	5	-121.325	36.425	-0.16	5.16
Coalinga 5	5/9/83	Templeton	CA	5	-120.705	35.550	0.10	4.90
Coalinga 5	5/9/83	Woodlake	CA	5	-119.100	36.410	-1.77	6.77
Coalinga 5	5/9/83	Woodville	CA	5	-119.198	36.094	-0.66	5.66
Coalinga 5	5/9/83	Ahwahnee	CA	4	-119.725	37.366	-0.25	4.25
Coalinga 5	5/9/83	Armona	CA	4	-119.708	36.316	-0.24	4.24
Coalinga 5	5/9/83	Atascadero	CA	4	-120.670	35.489	0.38	3.62
Coalinga 5	5/9/83	Atwater	CA	4	-120.608	37.348	0.05	3.95
Coalinga 5	5/9/83	Auberry	CA	4	-119.484	37.081	0.73	3.27
Coalinga 5	5/9/83	Badger	CA	4	-119.012	36.631	-0.69	4.69
Coalinga 5	5/9/83	Bass Lake	CA	4	-119.565	37.325	-0.17	4.17
Coalinga 5	5/9/83	Big Creek	CA	4	-119.245	37.205	0.64	3.36
Coalinga 5	5/9/83	Biola	CA	4	-120.015	36.802	-0.08	4.08
Coalinga 5	5/9/83	Caruthers	CA	4	-119.832	36.543	-0.03	4.03
Coalinga 5	5/9/83	Castroville	CA	4	-121.757	36.766	-0.54	4.54
Coalinga 5	5/9/83	Catheys Valley	CA	4	-120.097	37.433	-0.77	4.77
Coalinga 5	5/9/83	Cholame	CA	4	-120.296	35.724	-0.18	4.18
Coalinga 5	5/9/83	Chowchilla	CA	4	-120.259	37.123	-0.33	4.33
Coalinga 5	5/9/83	Clovis	CA	4	-119.702	36.825	0.54	3.46
Coalinga 5	5/9/83	Corcoran	CA	4	-119.559	36.098	0.16	3.84
Coalinga 5	5/9/83	Creston	CA	4	-120.523	35.519	-0.29	4.29
Coalinga 5	5/9/83	Del Rey	CA	4	-119.593	36.659	0.11	3.89
Coalinga 5	5/9/83	Dunlap	CA	4	-119.120	36.738	-0.78	4.78

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 5	5/9/83	Easton	CA	4	-119.790	36.650	-1.21	5.21
Coalinga 5	5/9/83	Farmersville	CA	4	-119.206	36.298	0.17	3.83
Coalinga 5	5/9/83	Firebaugh	CA	4	-120.455	36.859	-0.02	4.02
Coalinga 5	5/9/83	Friant	CA	4	-119.711	36.988	0.49	3.51
Coalinga 5	5/9/83	Greenfield	CA	4	-121.243	36.321	-0.28	4.28
Coalinga 5	5/9/83	Groveland	CA	4	-120.232	37.838	-0.34	4.34
Coalinga 5	5/9/83	Helm	CA	4	-120.097	36.532	-0.49	4.49
Coalinga 5	5/9/83	Huron	CA	4	-120.102	36.203	-0.05	4.05
Coalinga 5	5/9/83	Ivanhoe	CA	4	-119.217	36.387	-0.34	4.34
Coalinga 5	5/9/83	Lemoncove	CA	4	-119.024	36.383	-1.35	5.35
Coalinga 5	5/9/83	Lindsay	CA	4	-119.087	36.203	0.47	3.53
Coalinga 5	5/9/83	Lockwood	CA	4	-121.081	35.937	-0.99	4.99
Coalinga 5	5/9/83	Los Banos	CA	4	-120.849	37.058	0.05	3.95
Coalinga 5	5/9/83	Los Osos	CA	4	-120.831	35.311	-0.11	4.11
Coalinga 5	5/9/83	Lost Hills	CA	4	-119.693	35.616	-0.23	4.23
Coalinga 5	5/9/83	Madera	CA	4	-120.060	36.961	-0.03	4.03
Coalinga 5	5/9/83	Mckittrick	CA	4	-119.622	35.306	-0.36	4.36
Coalinga 5	5/9/83	O'Neals	CA	4	-119.693	37.128	-0.10	4.10
Coalinga 5	5/9/83	Onyx	CA	4	-118.220	35.690	0.82	3.18
Coalinga 5	5/9/83	Orosi	CA	4	-119.286	36.545	0.25	3.75
Coalinga 5	5/9/83	Patterson	CA	4	-121.129	37.472	-0.34	4.34
Coalinga 5	5/9/83	Porterville	CA	4	-119.016	36.065	0.59	3.41
Coalinga 5	5/9/83	Prather	CA	4	-119.513	37.038	-0.48	4.48
Coalinga 5	5/9/83	Raisin	CA	4	-119.910	36.610	0.59	3.41
Coalinga 5	5/9/83	Reedley	CA	4	-119.449	36.596	0.67	3.33
Coalinga 5	5/9/83	Ryde	CA	4	-121.559	38.239	-0.25	4.25
Coalinga 5	5/9/83	San Ardo	CA	4	-120.904	36.021	0.00	4.00
Coalinga 5	5/9/83	San Joaquin	CA	4	-120.188	36.607	-0.43	4.43
Coalinga 5	5/9/83	San Lucas	CA	4	-121.019	36.129	-0.41	4.41
Coalinga 5	5/9/83	South Dos Pasos	CA	4	-120.652	36.964		4.00
Coalinga 5	5/9/83	Stratford	CA	4	-119.822	36.189	0.47	3.53
Coalinga 5	5/9/83	Sunnyvale	CA	4	-122.035	37.369	-0.72	4.72
Coalinga 5	5/9/83	Tranquillity	CA	4	-120.252	36.649	-0.48	4.48
Coalinga 5	5/9/83	Traver	CA	4	-119.484	36.455	0.34	3.66
Coalinga 5	5/9/83	Twain Harte	CA	4	-120.232	38.040	0.41	3.59
Coalinga 5	5/9/83	Visalia	CA	4	-119.291	36.330	0.27	3.73
Coalinga 5	5/9/83	Waukena	CA	4	-119.509	36.139	0.38	3.62
Coalinga 5	5/9/83	Yettem	CA	4	-119.259	36.486	0.56	3.44
Coalinga 5	5/9/83	Alpaugh	CA	3	-119.486	35.888	0.17	2.83
Coalinga 5	5/9/83	Arroyo Grande	CA	3	-120.590	35.119	0.39	2.61
Coalinga 5	5/9/83	Bakersfield	CA	3	-119.018	35.373	0.08	2.92
Coalinga 5	5/9/83	Ballico	CA	3	-120.705	37.454	-0.12	3.12
Coalinga 5	5/9/83	Bodfish	CA	3	-118.491	35.588	-0.29	3.29
Coalinga 5	5/9/83	California Hot Springs	CA	3	-118.673	35.880	0.03	2.97
Coalinga 5	5/9/83	Calwa	CA	3	-119.758	36.711	-1.56	4.56
Coalinga 5	5/9/83	Carmel Valley	CA	3	-121.731	36.480	-0.62	3.62
Coalinga 5	5/9/83	Delano	CA	3	-119.246	35.769	-0.01	3.01
Coalinga 5	5/9/83	Delhi	CA	3	-120.778	37.432	-0.05	3.05

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 5	5/9/83	Dinuba	CA	3	-119.386	36.543	0.01	2.99
Coalinga 5	5/9/83	Dos Palos	CA	3	-120.626	36.986	0.20	2.80
Coalinga 5	5/9/83	Ducor	CA	3	-119.046	35.892	-0.19	3.19
Coalinga 5	5/9/83	Earlimart	CA	3	-119.271	35.884	0.22	2.78
Coalinga 5	5/9/83	El Portal	CA	3	-119.783	37.675	0.38	2.62
Coalinga 5	5/9/83	Exeter	CA	3	-119.141	36.296	0.14	2.86
Coalinga 5	5/9/83	Felton	CA	3	-122.072	37.051	-0.53	3.53
Coalinga 5	5/9/83	Glennville	CA	3	-118.703	35.729	-0.61	3.61
Coalinga 5	5/9/83	Gonzales	CA	3	-121.443	36.507	-1.02	4.02
Coalinga 5	5/9/83	Goshen	CA	3	-119.419	36.351	0.45	2.55
Coalinga 5	5/9/83	Hanford	CA	3	-119.645	36.328	0.12	2.88
Coalinga 5	5/9/83	Harmony	CA	3	-121.022	35.509	-0.67	3.67
Coalinga 5	5/9/83	Hilmar	CA	3	-120.849	37.409	0.15	2.85
Coalinga 5	5/9/83	Hollister	CA	3	-121.401	36.853	0.11	2.89
Coalinga 5	5/9/83	Independence	CA	3	-118.199	36.803	0.87	2.13
Coalinga 5	5/9/83	Indio	CA	3	-116.215	33.721	1.56	1.44
Coalinga 5	5/9/83	Jackson	CA	3	-120.773	38.349	0.01	2.99
Coalinga 5	5/9/83	Kaweah	CA	3	-118.918	36.470	-0.84	3.84
Coalinga 5	5/9/83	King City	CA	3	-121.125	36.213	-0.43	3.43
Coalinga 5	5/9/83	Kingsburg	CA	3	-119.553	36.514	-0.11	3.11
Coalinga 5	5/9/83	Laton	CA	3	-119.686	36.433	0.03	2.97
Coalinga 5	5/9/83	Lemoore	CA	3	-119.782	36.301	0.50	2.50
Coalinga 5	5/9/83	Livingston	CA	3	-120.723	37.387	0.48	2.52
Coalinga 5	5/9/83	Lone Pine	CA	3	-118.062	36.606	1.72	1.28
Coalinga 5	5/9/83	Mammoth Lakes	CA	3	-118.971	37.649	-0.06	3.06
Coalinga 5	5/9/83	Mariposa	CA	3	-119.965	37.485	0.29	2.71
Coalinga 5	5/9/83	Mcfarland	CA	3	-119.228	35.678	-0.02	3.02
Coalinga 5	5/9/83	Mendota	CA	3	-120.381	36.754	-0.96	3.96
Coalinga 5	5/9/83	Merced	CA	3	-120.482	37.302	0.37	2.63
Coalinga 5	5/9/83	Mi-Wuk Village	CA	3	-120.184	38.066	-0.46	3.46
Coalinga 5	5/9/83	Monterey	CA	3	-121.894	36.600	-0.16	3.16
Coalinga 5	5/9/83	Moss Landing	CA	3	-121.786	36.804	-0.35	3.35
Coalinga 5	5/9/83	Niland	CA	3	-115.518	33.240	3.38	-0.38
Coalinga 5	5/9/83	North Fork	CA	3	-119.509	37.230	-1.00	4.00
Coalinga 5	5/9/83	Oakdale	CA	3	-120.846	37.767	-0.12	3.12
Coalinga 5	5/9/83	Olancho	CA	3	-118.006	36.282	1.89	1.11
Coalinga 5	5/9/83	Orange Cove	CA	3	-119.313	36.624	-1.23	4.23
Coalinga 5	5/9/83	Pebble Beach	CA	3	-121.970	36.570	-0.44	3.44
Coalinga 5	5/9/83	Piedra	CA	3	-119.381	36.810	0.15	2.85
Coalinga 5	5/9/83	Placerville	CA	3	-120.798	38.730	0.06	2.94
Coalinga 5	5/9/83	Planada	CA	3	-120.318	37.291	-0.76	3.76
Coalinga 5	5/9/83	Posey	CA	3	-118.682	35.805	-0.35	3.35
Coalinga 5	5/9/83	Raymond	CA	3	-119.904	37.217	-1.18	4.18
Coalinga 5	5/9/83	Redtop	CA	3	-120.490	37.090	-0.06	3.06
Coalinga 5	5/9/83	Richgrove	CA	3	-119.107	35.797	-1.21	4.21
Coalinga 5	5/9/83	Riverdale	CA	3	-119.859	36.431	-0.29	3.29
Coalinga 5	5/9/83	San Juan Bautista	CA	3	-121.537	36.846	-0.55	3.55
Coalinga 5	5/9/83	San Miguel	CA	3	-120.695	35.753	-0.09	3.09

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 5	5/9/83	San Simeon	CA	3	-121.190	35.644	-0.82	3.82
Coalinga 5	5/9/83	Santa Rita Park	CA	3	-120.594	37.048	-0.31	3.31
Coalinga 5	5/9/83	Schurz	NV	3	-118.810	38.950	3.12	-0.12
Coalinga 5	5/9/83	Seaside	CA	3	-121.851	36.611	-0.62	3.62
Coalinga 5	5/9/83	Sequoia National Park	CA	3	-118.773	36.564	1.74	1.26
Coalinga 5	5/9/83	Shaver Lake	CA	3	-119.317	37.104	-2.35	5.35
Coalinga 5	5/9/83	Snelling	CA	3	-120.436	37.519	-0.03	3.03
Coalinga 5	5/9/83	Stevinson	CA	3	-120.851	37.328	-0.40	3.40
Coalinga 5	5/9/83	Strathmore	CA	3	-119.060	36.146	0.25	2.75
Coalinga 5	5/9/83	Temple City	CA	3	-118.057	34.107	-1.49	4.49
Coalinga 5	5/9/83	Terra Bella	CA	3	-119.043	35.963	-0.18	3.18
Coalinga 5	5/9/83	Three Rivers	CA	3	-118.904	36.439	0.19	2.81
Coalinga 5	5/9/83	Tipton	CA	3	-119.311	36.059	0.03	2.97
Coalinga 5	5/9/83	Tulare	CA	3	-119.346	36.208	-0.02	3.02
Coalinga 5	5/9/83	Tuolumne	CA	3	-120.236	37.961	0.14	2.86
Coalinga 5	5/9/83	West Point	CA	3	-120.526	38.399	0.11	2.89
Coalinga 5	5/9/83	Winton	CA	3	-120.612	37.389	-0.47	3.47
Coalinga 6	5/24/83	Coalinga	CA	5	-120.359	36.140	0.29	4.71
Coalinga 6	5/24/83	Sanger	CA	5	-119.555	36.708	-0.63	5.63
Coalinga 6	5/24/83	Avenal	CA	4	-120.128	36.004	0.21	3.79
Coalinga 6	5/24/83	Cantua Creek	CA	4	-120.315	36.501	-0.40	4.40
Coalinga 6	5/24/83	Corcoran	CA	4	-119.559	36.098	0.16	3.84
Coalinga 6	5/24/83	Creston	CA	4	-120.523	35.519	-0.29	4.29
Coalinga 6	5/24/83	Huron	CA	4	-120.102	36.203	-0.05	4.05
Coalinga 6	5/24/83	King City	CA	4	-121.125	36.213	-0.43	4.43
Coalinga 6	5/24/83	Lemoore Naval Air Station	CA	4	-119.930	36.300	-0.11	4.11
Coalinga 6	5/24/83	San Ardo	CA	4	-120.904	36.021	0.00	4.00
Coalinga 6	5/24/83	Alpaugh	CA	3	-119.486	35.888	0.17	2.83
Coalinga 6	5/24/83	Easton	CA	3	-119.790	36.650	-1.21	4.21
Coalinga 6	5/24/83	Helm	CA	3	-120.097	36.532	-0.49	3.49
Coalinga 6	5/24/83	Lockwood	CA	3	-121.081	35.937	-0.99	3.99
Coalinga 6	5/24/83	Lost Hills	CA	3	-119.693	35.616	-0.23	3.23
Coalinga 6	5/24/83	Santa Rita Park	CA	3	-120.594	37.048	-0.31	3.31
Coalinga 6	5/24/83	Templeton	CA	3	-120.705	35.550	0.10	2.90
Coalinga 6	5/24/83	Tipton	CA	3	-119.311	36.059	0.03	2.97
Coalinga 4	6/11/83	Los Gatos Creek Road	CA	6	-120.450	36.217		6.00
Coalinga 4	6/11/83	Cantua Creek	CA	5	-120.315	36.501	-0.40	5.40
Coalinga 4	6/11/83	Coalinga	CA	5	-120.359	36.140	0.29	4.71
Coalinga 4	6/11/83	Fresno	CA	4	-119.771	36.748	0.10	3.90
Coalinga 4	6/11/83	Lemoore Naval Air Station	CA	4	-119.930	36.300	-0.11	4.11
Coalinga 4	6/11/83	Riverdale	CA	4	-119.859	36.431	-0.29	4.29
Coalinga 4	6/11/83	San Lucas	CA	4	-121.019	36.129	-0.41	4.41
Coalinga 4	6/11/83	Stratford	CA	4	-119.822	36.189	0.47	3.53
Coalinga 4	6/11/83	Tranquillity	CA	4	-120.252	36.649	-0.48	4.48
Coalinga 4	6/11/83	Armona	CA	3	-119.708	36.316	-0.24	3.24
Coalinga 4	6/11/83	Bakersfield	CA	3	-119.018	35.373	0.08	2.92

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 4	6/11/83	Big Creek	CA	3	-119.245	37.205	0.64	2.36
Coalinga 4	6/11/83	Castroville	CA	3	-121.757	36.766	-0.54	3.54
Coalinga 4	6/11/83	Corcoran	CA	3	-119.559	36.098	0.16	2.84
Coalinga 4	6/11/83	Firebaugh	CA	3	-120.455	36.859	-0.02	3.02
Coalinga 4	6/11/83	Friant	CA	3	-119.711	36.988	0.49	2.51
Coalinga 4	6/11/83	Hanford	CA	3	-119.645	36.328	0.12	2.88
Coalinga 4	6/11/83	Lemoore	CA	3	-119.782	36.301	0.50	2.50
Coalinga 4	6/11/83	Lindsay	CA	3	-119.087	36.203	0.47	2.53
Coalinga 4	6/11/83	Lost Hills	CA	3	-119.693	35.616	-0.23	3.23
Coalinga 4	6/11/83	Mendota	CA	3	-120.381	36.754	-0.96	3.96
Coalinga 4	6/11/83	O'Neals	CA	3	-119.693	37.128	-0.10	3.10
Coalinga 4	6/11/83	Porterville	CA	3	-119.016	36.065	0.59	2.41
Coalinga 4	6/11/83	Raisin	CA	3	-119.910	36.610	0.59	2.41
Coalinga 4	6/11/83	Redtop	CA	3	-120.490	37.090	-0.06	3.06
Coalinga 4	6/11/83	San Jose	CA	3	-121.894	37.339	0.15	2.85
Coalinga 4	6/11/83	Santa Rita Park	CA	3	-120.594	37.048	-0.31	3.31
Coalinga 4	6/11/83	Sequoia National Park	CA	3	-118.773	36.564	1.74	1.26
Coalinga 4	6/11/83	Shafter	CA	3	-119.271	35.501	0.13	2.87
Coalinga 7	7/9/83	Cantua Creek	CA	5	-120.315	36.501	-0.40	5.40
Coalinga 7	7/9/83	Coalinga	CA	5	-120.359	36.140	0.29	4.71
Coalinga 7	7/9/83	Orosi	CA	5	-119.286	36.545	0.25	4.75
Coalinga 7	7/9/83	Tranquillity	CA	5	-120.252	36.649	-0.48	5.48
Coalinga 7	7/9/83	Ahwahnee	CA	4	-119.725	37.366	-0.25	4.25
Coalinga 7	7/9/83	Armona	CA	4	-119.708	36.316	-0.24	4.24
Coalinga 7	7/9/83	Auberry	CA	4	-119.484	37.081	0.73	3.27
Coalinga 7	7/9/83	Avenal	CA	4	-120.128	36.004	0.21	3.79
Coalinga 7	7/9/83	Bass Lake	CA	4	-119.565	37.325	-0.17	4.17
Coalinga 7	7/9/83	Carmel Valley	CA	4	-121.731	36.480	-0.62	4.62
Coalinga 7	7/9/83	Cholame	CA	4	-120.296	35.724	-0.18	4.18
Coalinga 7	7/9/83	Dos Palos	CA	4	-120.626	36.986	0.20	3.80
Coalinga 7	7/9/83	Easton	CA	4	-119.790	36.650	-1.21	5.21
Coalinga 7	7/9/83	El Portal	CA	4	-119.783	37.675	0.38	3.62
Coalinga 7	7/9/83	Friant	CA	4	-119.711	36.988	0.49	3.51
Coalinga 7	7/9/83	Groveland	CA	4	-120.232	37.838	-0.34	4.34
Coalinga 7	7/9/83	Helm	CA	4	-120.097	36.532	-0.49	4.49
Coalinga 7	7/9/83	Huron	CA	4	-120.102	36.203	-0.05	4.05
Coalinga 7	7/9/83	Ivanhoe	CA	4	-119.217	36.387	-0.34	4.34
Coalinga 7	7/9/83	Lakeshore	CA	4	-119.174	37.253	-0.15	4.15
Coalinga 7	7/9/83	Porterville	CA	4	-119.016	36.065	0.59	3.41
Coalinga 7	7/9/83	Redtop	CA	4	-120.490	37.090	-0.06	4.06
Coalinga 7	7/9/83	Soledad	CA	4	-121.325	36.425	-0.16	4.16
Coalinga 7	7/9/83	Sonora	CA	4	-120.381	37.984	-0.10	4.10
Coalinga 7	7/9/83	Stratford	CA	4	-119.822	36.189	0.47	3.53
Coalinga 7	7/9/83	Taft	CA	4	-119.456	35.143	-0.46	4.46
Coalinga 7	7/9/83	Bakersfield	CA	3	-119.018	35.373	0.08	2.92
Coalinga 7	7/9/83	California Hot Springs	CA	3	-118.673	35.880	0.03	2.97
Coalinga 7	7/9/83	Castroville	CA	3	-121.757	36.766	-0.54	3.54
Coalinga 7	7/9/83	Firebaugh	CA	3	-120.455	36.859	-0.02	3.02

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 7	7/9/83	Fresno	CA	3	-119.771	36.748	0.10	2.90
Coalinga 7	7/9/83	Greenfield	CA	3	-121.243	36.321	-0.28	3.28
Coalinga 7	7/9/83	Hollister	CA	3	-121.401	36.853	0.11	2.89
Coalinga 7	7/9/83	Laton	CA	3	-119.686	36.433	0.03	2.97
Coalinga 7	7/9/83	Lemoncove	CA	3	-119.024	36.383	-1.35	4.35
Coalinga 7	7/9/83	Madera	CA	3	-120.060	36.961	-0.03	3.03
Coalinga 7	7/9/83	Moss Landing	CA	3	-121.786	36.804	-0.35	3.35
Coalinga 7	7/9/83	North Fork	CA	3	-119.509	37.230	-1.00	4.00
Coalinga 7	7/9/83	Orange Cove	CA	3	-119.313	36.624	-1.23	4.23
Coalinga 7	7/9/83	Paso Robles	CA	3	-120.690	35.627	-0.16	3.16
Coalinga 7	7/9/83	Santa Cruz	CA	3	-122.030	36.974	-0.07	3.07
Coalinga 7	7/9/83	Shandon	CA	3	-120.374	35.655	-0.09	3.09
Coalinga 7	7/9/83	Tipton	CA	3	-119.311	36.059	0.03	2.97
Coalinga 2	7/22/83	Coalinga	CA	6	-120.359	36.140	0.29	5.71
Coalinga 2	7/22/83	Lemoore Naval Air Station	CA	6	-119.930	36.300	-0.11	6.11
Coalinga 2	7/22/83	Stratford	CA	6	-119.822	36.189	0.47	5.53
Coalinga 2	7/22/83	Avenal	CA	5	-120.128	36.004	0.21	4.79
Coalinga 2	7/22/83	Biola	CA	5	-120.015	36.802	-0.08	5.08
Coalinga 2	7/22/83	Buttonwillow	CA	5	-119.469	35.401	0.57	4.43
Coalinga 2	7/22/83	Cantua Creek	CA	5	-120.315	36.501	-0.40	5.40
Coalinga 2	7/22/83	Carmel	CA	5	-121.920	36.560	0.10	4.90
Coalinga 2	7/22/83	Caruthers	CA	5	-119.832	36.543	-0.03	5.03
Coalinga 2	7/22/83	Delano	CA	5	-119.246	35.769	-0.01	5.01
Coalinga 2	7/22/83	Ducor	CA	5	-119.046	35.892	-0.19	5.19
Coalinga 2	7/22/83	Earlimart	CA	5	-119.271	35.884	0.22	4.78
Coalinga 2	7/22/83	Farmersville	CA	5	-119.206	36.298	0.17	4.83
Coalinga 2	7/22/83	Hanford	CA	5	-119.645	36.328	0.12	4.88
Coalinga 2	7/22/83	Huron	CA	5	-120.102	36.203	-0.05	5.05
Coalinga 2	7/22/83	King City	CA	5	-121.125	36.213	-0.43	5.43
Coalinga 2	7/22/83	Livingston	CA	5	-120.723	37.387	0.48	4.52
Coalinga 2	7/22/83	Marina	CA	5	-121.801	36.684	-0.20	5.20
Coalinga 2	7/22/83	Pacific Grove	CA	5	-121.916	36.618	0.20	4.80
Coalinga 2	7/22/83	Porterville	CA	5	-119.016	36.065	0.59	4.41
Coalinga 2	7/22/83	Raisin	CA	5	-119.910	36.610	0.59	4.41
Coalinga 2	7/22/83	Santa Margarita	CA	5	-120.608	35.390	-0.41	5.41
Coalinga 2	7/22/83	Selma	CA	5	-119.611	36.571	0.10	4.90
Coalinga 2	7/22/83	Tranquillity	CA	5	-120.252	36.649	-0.48	5.48
Coalinga 2	7/22/83	Tulare	CA	5	-119.346	36.208	-0.02	5.02
Coalinga 2	7/22/83	Watsonville	CA	5	-121.756	36.910	0.18	4.82
Coalinga 2	7/22/83	Waukena	CA	5	-119.509	36.139	0.38	4.62
Coalinga 2	7/22/83	Armona	CA	4	-119.708	36.316	-0.24	4.24
Coalinga 2	7/22/83	Aromas	CA	4	-121.642	36.889	-0.42	4.42
Coalinga 2	7/22/83	Arroyo Grande	CA	4	-120.590	35.119	0.39	3.61
Coalinga 2	7/22/83	Atascadero	CA	4	-120.670	35.489	0.38	3.62
Coalinga 2	7/22/83	Atwater	CA	4	-120.608	37.348	0.05	3.95
Coalinga 2	7/22/83	Auberry	CA	4	-119.484	37.081	0.73	3.27
Coalinga 2	7/22/83	Bakersfield	CA	4	-119.018	35.373	0.08	3.92

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 2	7/22/83	Ballico	CA	4	-120.705	37.454	-0.12	4.12
Coalinga 2	7/22/83	Big Creek	CA	4	-119.245	37.205	0.64	3.36
Coalinga 2	7/22/83	Bishop	CA	4	-118.394	37.364	2.64	1.36
Coalinga 2	7/22/83	Caliente	CA	4	-118.627	35.291	0.15	3.85
Coalinga 2	7/22/83	Cambria	CA	4	-121.080	35.564	0.22	3.78
Coalinga 2	7/22/83	Carmel Valley	CA	4	-121.731	36.480	-0.62	4.62
Coalinga 2	7/22/83	Cartago	CA	4	-118.026	36.321	1.43	2.57
Coalinga 2	7/22/83	Castroville	CA	4	-121.757	36.766	-0.54	4.54
Coalinga 2	7/22/83	Ceres	CA	4	-120.957	37.595	-0.37	4.37
Coalinga 2	7/22/83	Cholame	CA	4	-120.296	35.724	-0.18	4.18
Coalinga 2	7/22/83	Chowchilla	CA	4	-120.259	37.123	-0.33	4.33
Coalinga 2	7/22/83	Corcoran	CA	4	-119.559	36.098	0.16	3.84
Coalinga 2	7/22/83	Cressey	CA	4	-120.666	37.420	-0.16	4.16
Coalinga 2	7/22/83	Creston	CA	4	-120.523	35.519	-0.29	4.29
Coalinga 2	7/22/83	Delhi	CA	4	-120.778	37.432	-0.05	4.05
Coalinga 2	7/22/83	Denair	CA	4	-120.796	37.526	0.23	3.77
Coalinga 2	7/22/83	Dinuba	CA	4	-119.386	36.543	0.01	3.99
Coalinga 2	7/22/83	Dos Palos	CA	4	-120.626	36.986	0.20	3.80
Coalinga 2	7/22/83	Easton	CA	4	-119.790	36.650	-1.21	5.21
Coalinga 2	7/22/83	Firebaugh	CA	4	-120.455	36.859	-0.02	4.02
Coalinga 2	7/22/83	Fort Ord	CA	4	-121.800	36.660	-0.44	4.44
Coalinga 2	7/22/83	Fowler	CA	4	-119.678	36.631	-0.09	4.09
Coalinga 2	7/22/83	French Camp	CA	4	-121.270	37.884	-0.18	4.18
Coalinga 2	7/22/83	Fresno	CA	4	-119.771	36.748	0.10	3.90
Coalinga 2	7/22/83	Friant	CA	4	-119.711	36.988	0.49	3.51
Coalinga 2	7/22/83	Goshen	CA	4	-119.419	36.351	0.45	3.55
Coalinga 2	7/22/83	Green Valley Lake	CA	4	-117.076	34.241	2.54	1.46
Coalinga 2	7/22/83	Groveland	CA	4	-120.232	37.838	-0.34	4.34
Coalinga 2	7/22/83	Grover City	CA	4	-120.620	35.120	0.34	3.66
Coalinga 2	7/22/83	Guadalupe	CA	4	-120.571	34.972	0.39	3.61
Coalinga 2	7/22/83	Helm	CA	4	-120.097	36.532	-0.49	4.49
Coalinga 2	7/22/83	Hilmar	CA	4	-120.849	37.409	0.15	3.85
Coalinga 2	7/22/83	Hollister	CA	4	-121.401	36.853	0.11	3.89
Coalinga 2	7/22/83	Hume	CA	4	-118.913	36.785	0.11	3.89
Coalinga 2	7/22/83	Jolon	CA	4	-121.175	35.971	0.04	3.96
Coalinga 2	7/22/83	Kerman	CA	4	-120.059	36.724	-1.16	5.16
Coalinga 2	7/22/83	Kingsburg	CA	4	-119.553	36.514	-0.11	4.11
Coalinga 2	7/22/83	La Grange	CA	4	-120.463	37.664	0.14	3.86
Coalinga 2	7/22/83	Lake Isabella	CA	4	-118.472	35.618	1.18	2.82
Coalinga 2	7/22/83	Lee Vining	CA	4	-119.121	37.958	1.36	2.64
Coalinga 2	7/22/83	Lemoore	CA	4	-119.782	36.301	0.50	3.50
Coalinga 2	7/22/83	Los Banos	CA	4	-120.849	37.058	0.05	3.95
Coalinga 2	7/22/83	Lost Hills	CA	4	-119.693	35.616	-0.23	4.23
Coalinga 2	7/22/83	Madera	CA	4	-120.060	36.961	-0.03	4.03
Coalinga 2	7/22/83	Maricopa	CA	4	-119.400	35.059	0.15	3.85
Coalinga 2	7/22/83	Mcfarland	CA	4	-119.228	35.678	-0.02	4.02
Coalinga 2	7/22/83	Merced	CA	4	-120.482	37.302	0.37	3.63
Coalinga 2	7/22/83	Monterey	CA	4	-121.894	36.600	-0.16	4.16

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 2	7/22/83	Murphys	CA	4	-120.459	38.138	0.79	3.21
Coalinga 2	7/22/83	Newman	CA	4	-121.020	37.314	-0.43	4.43
Coalinga 2	7/22/83	Oceano	CA	4	-120.611	35.099	0.44	3.56
Coalinga 2	7/22/83	Olancho	CA	4	-118.006	36.282	1.89	2.11
Coalinga 2	7/22/83	Onyx	CA	4	-118.220	35.690	0.82	3.18
Coalinga 2	7/22/83	Patterson	CA	4	-121.129	37.472	-0.34	4.34
Coalinga 2	7/22/83	Pond	CA	4	-119.328	35.718	-0.57	4.57
Coalinga 2	7/22/83	Reedley	CA	4	-119.449	36.596	0.67	3.33
Coalinga 2	7/22/83	Riverdale	CA	4	-119.859	36.431	-0.29	4.29
Coalinga 2	7/22/83	Running Springs	CA	4	-117.108	34.208	1.48	2.52
Coalinga 2	7/22/83	Sacramento	CA	4	-121.493	38.582	0.86	3.14
Coalinga 2	7/22/83	Salida	CA	4	-121.084	37.706	0.12	3.88
Coalinga 2	7/22/83	Salinas	CA	4	-121.654	36.678	-0.16	4.16
Coalinga 2	7/22/83	San Joaquin	CA	4	-120.188	36.607	-0.43	4.43
Coalinga 2	7/22/83	San Luis Obispo	CA	4	-120.659	35.283	0.17	3.83
Coalinga 2	7/22/83	San Martin	CA	4	-121.609	37.085	-0.23	4.23
Coalinga 2	7/22/83	Sanger	CA	4	-119.555	36.708	-0.63	4.63
Coalinga 2	7/22/83	Santa Rita Park	CA	4	-120.594	37.048	-0.31	4.31
Coalinga 2	7/22/83	Shafter	CA	4	-119.271	35.501	0.13	3.87
Coalinga 2	7/22/83	Shandon	CA	4	-120.374	35.655	-0.09	4.09
Coalinga 2	7/22/83	Soledad	CA	4	-121.325	36.425	-0.16	4.16
Coalinga 2	7/22/83	South Dos Palos	CA	4	-120.652	36.964	-0.14	4.14
Coalinga 2	7/22/83	Spreckels	CA	4	-121.646	36.622	-0.28	4.28
Coalinga 2	7/22/83	Stevinson	CA	4	-120.851	37.328	-0.40	4.40
Coalinga 2	7/22/83	Strathmore	CA	4	-119.060	36.146	0.25	3.75
Coalinga 2	7/22/83	Templeton	CA	4	-120.705	35.550	0.10	3.90
Coalinga 2	7/22/83	Tipton	CA	4	-119.311	36.059	0.03	3.97
Coalinga 2	7/22/83	Traver	CA	4	-119.484	36.455	0.34	3.66
Coalinga 2	7/22/83	Turlock	CA	4	-120.846	37.495	0.35	3.65
Coalinga 2	7/22/83	Visalia	CA	4	-119.291	36.330	0.27	3.73
Coalinga 2	7/22/83	Winton	CA	4	-120.612	37.389	-0.47	4.47
Coalinga 2	7/22/83	Alpaugh	CA	3	-119.486	35.888	0.17	2.83
Coalinga 2	7/22/83	Badger	CA	3	-119.012	36.631	-0.69	3.69
Coalinga 2	7/22/83	Bass Lake	CA	3	-119.565	37.325	-0.17	3.17
Coalinga 2	7/22/83	Bodfish	CA	3	-118.491	35.588	-0.29	3.29
Coalinga 2	7/22/83	Boulder Creek	CA	3	-122.121	37.126	-0.47	3.47
Coalinga 2	7/22/83	Bradley	CA	3	-120.800	35.863	-0.98	3.98
Coalinga 2	7/22/83	Byron	CA	3	-121.637	37.867	-0.40	3.40
Coalinga 2	7/22/83	California Hot Springs	CA	3	-118.673	35.880	0.03	2.97
Coalinga 2	7/22/83	Catheys Valley	CA	3	-120.097	37.433	-0.77	3.77
Coalinga 2	7/22/83	Cayucos	CA	3	-120.891	35.443	-0.73	3.73
Coalinga 2	7/22/83	Clovis	CA	3	-119.702	36.825	0.54	2.46
Coalinga 2	7/22/83	Coleville	CA	3	-119.506	38.566	1.20	1.80
Coalinga 2	7/22/83	Crows Landing	CA	3	-121.071	37.394	-0.58	3.58
Coalinga 2	7/22/83	Del Rey	CA	3	-119.593	36.659	0.11	2.89
Coalinga 2	7/22/83	Dunlap	CA	3	-119.120	36.738	-0.78	3.78
Coalinga 2	7/22/83	East Palo Alto	CA	3	-122.140	37.469	0.21	2.79

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 2	7/22/83	Foster City	CA	3	-122.270	37.559	-0.31	3.31
Coalinga 2	7/22/83	Glennville	CA	3	-118.703	35.729	-0.61	3.61
Coalinga 2	7/22/83	Gonzales	CA	3	-121.443	36.507	-1.02	4.02
Coalinga 2	7/22/83	Hathaway Pines	CA	3	-120.364	38.192	0.42	2.58
Coalinga 2	7/22/83	Iowa Hill	CA	3	-120.858	39.109	1.43	1.57
Coalinga 2	7/22/83	Ivanhoe	CA	3	-119.217	36.387	-0.34	3.34
Coalinga 2	7/22/83	June Lake	CA	3	-119.074	37.780	1.00	2.00
Coalinga 2	7/22/83	Kaweah	CA	3	-118.918	36.470	-0.84	3.84
Coalinga 2	7/22/83	Keyes	CA	3	-120.914	37.557	-0.24	3.24
Coalinga 2	7/22/83	Lafayette	CA	3	-122.117	37.886	-0.19	3.19
Coalinga 2	7/22/83	Lake Arrowhead	CA	3	-117.188	34.248	0.98	2.02
Coalinga 2	7/22/83	Lathrop	CA	3	-121.276	37.823	-0.31	3.31
Coalinga 2	7/22/83	Lemoncove	CA	3	-119.024	36.383	-1.35	4.35
Coalinga 2	7/22/83	Lindsay	CA	3	-119.087	36.203	0.47	2.53
Coalinga 2	7/22/83	Lockwood	CA	3	-121.081	35.937	-0.99	3.99
Coalinga 2	7/22/83	Lompoc	CA	3	-120.457	34.639	0.41	2.59
Coalinga 2	7/22/83	Lone Pine	CA	3	-118.062	36.606	1.72	1.28
Coalinga 2	7/22/83	Long Barn	CA	3	-120.133	38.093	0.88	2.12
Coalinga 2	7/22/83	Los Alamos	CA	3	-120.277	34.744	1.00	2.00
Coalinga 2	7/22/83	Mammoth Lakes	CA	3	-118.971	37.649	-0.06	3.06
Coalinga 2	7/22/83	Manteca	CA	3	-121.215	37.798	-0.45	3.45
Coalinga 2	7/22/83	Mariposa	CA	3	-119.965	37.485	0.29	2.71
Coalinga 2	7/22/83	Mather Air Force Base	CA	3	-121.300	38.560	0.67	2.33
Coalinga 2	7/22/83	Mc Clellan Air Force Base	CA	3	-121.400	38.670	0.65	2.35
Coalinga 2	7/22/83	Mckittrick	CA	3	-119.622	35.306	-0.36	3.36
Coalinga 2	7/22/83	Mendota	CA	3	-120.381	36.754	-0.96	3.96
Coalinga 2	7/22/83	Mi-Wuk Village	CA	3	-120.184	38.066	-0.46	3.46
Coalinga 2	7/22/83	Mount Aukum	CA	3	-120.730	38.560	0.85	2.15
Coalinga 2	7/22/83	Mount Hermon	CA	3	-122.058	37.051	-0.38	3.38
Coalinga 2	7/22/83	Nipomo	CA	3	-120.475	35.043	-0.31	3.31
Coalinga 2	7/22/83	North Fork	CA	3	-119.509	37.230	-1.00	4.00
Coalinga 2	7/22/83	O'Neals	CA	3	-119.693	37.128	-0.10	3.10
Coalinga 2	7/22/83	Oakdale	CA	3	-120.846	37.767	-0.12	3.12
Coalinga 2	7/22/83	Oakley	CA	3	-121.711	37.998	-0.48	3.48
Coalinga 2	7/22/83	Orange Cove	CA	3	-119.313	36.624	-1.23	4.23
Coalinga 2	7/22/83	Paso Robles	CA	3	-120.690	35.627	-0.16	3.16
Coalinga 2	7/22/83	Pescadero	CA	3	-122.380	37.255	-0.17	3.17
Coalinga 2	7/22/83	Pismo Beach	CA	3	-120.640	35.143	0.01	2.99
Coalinga 2	7/22/83	Planada	CA	3	-120.318	37.291	-0.76	3.76
Coalinga 2	7/22/83	Posey	CA	3	-118.682	35.805	-0.35	3.35
Coalinga 2	7/22/83	Pulga	CA	3	-121.448	39.803	1.92	1.08
Coalinga 2	7/22/83	Raymond	CA	3	-119.904	37.217	-1.18	4.18
Coalinga 2	7/22/83	Redtop	CA	3	-120.490	37.090	-0.06	3.06
Coalinga 2	7/22/83	Richgrove	CA	3	-119.107	35.797	-1.21	4.21
Coalinga 2	7/22/83	Ridgecrest	CA	3	-117.670	35.623	1.80	1.20
Coalinga 2	7/22/83	Ripon	CA	3	-121.123	37.742	-0.16	3.16

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 2	7/22/83	Ryde	CA	3	-121.559	38.239	-0.25	3.25
Coalinga 2	7/22/83	San Ardo	CA	3	-120.904	36.021	0.00	3.00
Coalinga 2	7/22/83	San Juan Bautista	CA	3	-121.537	36.846	-0.55	3.55
Coalinga 2	7/22/83	San Miguel	CA	3	-120.695	35.753	-0.09	3.09
Coalinga 2	7/22/83	Santa Maria	CA	3	-120.435	34.953	-0.15	3.15
Coalinga 2	7/22/83	Seaside	CA	3	-121.851	36.611	-0.62	3.62
Coalinga 2	7/22/83	Skyforest	CA	3	-117.178	34.235	1.37	1.63
Coalinga 2	7/22/83	Snelling	CA	3	-120.436	37.519	-0.03	3.03
Coalinga 2	7/22/83	Soquel	CA	3	-121.956	36.988	-0.33	3.33
Coalinga 2	7/22/83	South Lake Tahoe	CA	3	-119.983	38.933	1.46	1.54
Coalinga 2	7/22/83	Squaw Valley	CA	3	-119.246	36.741	-1.20	4.20
Coalinga 2	7/22/83	Taft	CA	3	-119.456	35.143	-0.46	3.46
Coalinga 2	7/22/83	Tracy	CA	3	-121.424	37.740	-0.42	3.42
Coalinga 2	7/22/83	Tuolumne	CA	3	-120.236	37.961	0.14	2.86
Coalinga 2	7/22/83	Tupman	CA	3	-119.350	35.298	-0.72	3.72
Coalinga 2	7/22/83	Twin Peaks	CA	3	-117.233	34.239	2.02	0.98
Coalinga 2	7/22/83	Volcano	CA	3	-120.630	38.443	0.76	2.24
Coalinga 2	7/22/83	West Point	CA	3	-120.526	38.399	0.11	2.89
Coalinga 2	7/22/83	Woodville	CA	3	-119.198	36.094	-0.66	3.66
Coalinga 3	7/25/83	Coalinga	CA	6	-120.359	36.140	0.29	5.71
Coalinga 3	7/25/83	Avenal	CA	5	-120.128	36.004	0.21	4.79
Coalinga 3	7/25/83	Raisin	CA	5	-119.910	36.610	0.59	4.41
Coalinga 3	7/25/83	Santa Margarita	CA	5	-120.608	35.390	-0.41	5.41
Coalinga 3	7/25/83	Stratford	CA	5	-119.822	36.189	0.47	4.53
Coalinga 3	7/25/83	Waukena	CA	5	-119.509	36.139	0.38	4.62
Coalinga 3	7/25/83	Alpaugh	CA	4	-119.486	35.888	0.17	3.83
Coalinga 3	7/25/83	Atascadero	CA	4	-120.670	35.489	0.38	3.62
Coalinga 3	7/25/83	Burrel	CA	4	-119.984	36.488	0.08	3.92
Coalinga 3	7/25/83	Buttonwillow	CA	4	-119.469	35.401	0.57	3.43
Coalinga 3	7/25/83	California Valley	CA	4	-120.006	35.320	-0.16	4.16
Coalinga 3	7/25/83	Cantua Creek	CA	4	-120.315	36.501	-0.40	4.40
Coalinga 3	7/25/83	Cholame	CA	4	-120.296	35.724	-0.18	4.18
Coalinga 3	7/25/83	Corcoran	CA	4	-119.559	36.098	0.16	3.84
Coalinga 3	7/25/83	Creston	CA	4	-120.523	35.519	-0.29	4.29
Coalinga 3	7/25/83	Friant	CA	4	-119.711	36.988	0.49	3.51
Coalinga 3	7/25/83	Harmony	CA	4	-121.022	35.509	-0.67	4.67
Coalinga 3	7/25/83	Huron	CA	4	-120.102	36.203	-0.05	4.05
Coalinga 3	7/25/83	King City	CA	4	-121.125	36.213	-0.43	4.43
Coalinga 3	7/25/83	Lemoore Naval Air Station	CA	4	-119.930	36.300	-0.11	4.11
Coalinga 3	7/25/83	London	CA	4	-119.442	36.476	-0.66	4.66
Coalinga 3	7/25/83	Madera	CA	4	-120.060	36.961	-0.03	4.03
Coalinga 3	7/25/83	Merced	CA	4	-120.482	37.302	0.37	3.63
Coalinga 3	7/25/83	Oceano	CA	4	-120.611	35.099	0.44	3.56
Coalinga 3	7/25/83	Paso Robles	CA	4	-120.690	35.627	-0.16	4.16
Coalinga 3	7/25/83	Shafter	CA	4	-119.271	35.501	0.13	3.87
Coalinga 3	7/25/83	Armona	CA	3	-119.708	36.316	-0.24	3.24
Coalinga 3	7/25/83	Aromas	CA	3	-121.642	36.889	-0.42	3.42

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 3	7/25/83	Arroyo Grande	CA	3	-120.590	35.119	0.39	2.61
Coalinga 3	7/25/83	Avila Beach	CA	3	-120.731	35.180	0.84	2.16
Coalinga 3	7/25/83	Ballico	CA	3	-120.705	37.454	-0.12	3.12
Coalinga 3	7/25/83	Bass Lake	CA	3	-119.565	37.325	-0.17	3.17
Coalinga 3	7/25/83	Bradley	CA	3	-120.800	35.863	-0.98	3.98
Coalinga 3	7/25/83	Caruthers	CA	3	-119.832	36.543	-0.03	3.03
Coalinga 3	7/25/83	Castroville	CA	3	-121.757	36.766	-0.54	3.54
Coalinga 3	7/25/83	Cayucos	CA	3	-120.891	35.443	-0.73	3.73
Coalinga 3	7/25/83	Dinuba	CA	3	-119.386	36.543	0.01	2.99
Coalinga 3	7/25/83	Dos Palos	CA	3	-120.626	36.986	0.20	2.80
Coalinga 3	7/25/83	Ducor	CA	3	-119.046	35.892	-0.19	3.19
Coalinga 3	7/25/83	Dunlap	CA	3	-119.120	36.738	-0.78	3.78
Coalinga 3	7/25/83	Easton	CA	3	-119.790	36.650	-1.21	4.21
Coalinga 3	7/25/83	Fellows	CA	3	-119.540	35.179	0.35	2.65
Coalinga 3	7/25/83	Fresno	CA	3	-119.771	36.748	0.10	2.90
Coalinga 3	7/25/83	Gonzales	CA	3	-121.443	36.507	-1.02	4.02
Coalinga 3	7/25/83	Grover City	CA	3	-120.620	35.120	0.34	2.66
Coalinga 3	7/25/83	Helm	CA	3	-120.097	36.532	-0.49	3.49
Coalinga 3	7/25/83	Hilmar	CA	3	-120.849	37.409	0.15	2.85
Coalinga 3	7/25/83	Hume	CA	3	-118.913	36.785	0.11	2.89
Coalinga 3	7/25/83	Jolon	CA	3	-121.175	35.971	0.04	2.96
Coalinga 3	7/25/83	Kingsburg	CA	3	-119.553	36.514	-0.11	3.11
Coalinga 3	7/25/83	Lockwood	CA	3	-121.081	35.937	-0.99	3.99
Coalinga 3	7/25/83	Lost Hills	CA	3	-119.693	35.616	-0.23	3.23
Coalinga 3	7/25/83	Mckittrick	CA	3	-119.622	35.306	-0.36	3.36
Coalinga 3	7/25/83	O'Neals	CA	3	-119.693	37.128	-0.10	3.10
Coalinga 3	7/25/83	Orange Cove	CA	3	-119.313	36.624	-1.23	4.23
Coalinga 3	7/25/83	Paicines	CA	3	-121.278	36.729	-0.77	3.77
Coalinga 3	7/25/83	Parlier	CA	3	-119.526	36.612	1.28	1.72
Coalinga 3	7/25/83	Porterville	CA	3	-119.016	36.065	0.59	2.41
Coalinga 3	7/25/83	Raymond	CA	3	-119.904	37.217	-1.18	4.18
Coalinga 3	7/25/83	Redtop	CA	3	-120.490	37.090	-0.06	3.06
Coalinga 3	7/25/83	Reedley	CA	3	-119.449	36.596	0.67	2.33
Coalinga 3	7/25/83	Riverdale	CA	3	-119.859	36.431	-0.29	3.29
Coalinga 3	7/25/83	Salinas	CA	3	-121.654	36.678	-0.16	3.16
Coalinga 3	7/25/83	San Ardo	CA	3	-120.904	36.021	0.00	3.00
Coalinga 3	7/25/83	San Juan Bautista	CA	3	-121.537	36.846	-0.55	3.55
Coalinga 3	7/25/83	San Miguel	CA	3	-120.695	35.753	-0.09	3.09
Coalinga 3	7/25/83	San Simeon	CA	3	-121.190	35.644	-0.82	3.82
Coalinga 3	7/25/83	Santa Maria	CA	3	-120.435	34.953	-0.15	3.15
Coalinga 3	7/25/83	Santa Rita Park	CA	3	-120.594	37.048	-0.31	3.31
Coalinga 3	7/25/83	Selma	CA	3	-119.611	36.571	0.10	2.90
Coalinga 3	7/25/83	Shandon	CA	3	-120.374	35.655	-0.09	3.09
Coalinga 3	7/25/83	Spreckels	CA	3	-121.646	36.622	-0.28	3.28
Coalinga 3	7/25/83	Squaw Valley	CA	3	-119.246	36.741	-1.20	4.20
Coalinga 3	7/25/83	Stevinson	CA	3	-120.851	37.328	-0.40	3.40
Coalinga 3	7/25/83	Taft	CA	3	-119.456	35.143	-0.46	3.46
Coalinga 3	7/25/83	Tipton	CA	3	-119.311	36.059	0.03	2.97

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Coalinga 3	7/25/83	Tranquillity	CA	3	-120.252	36.649	-0.48	3.48
Coalinga 3	7/25/83	Tulare	CA	3	-119.346	36.208	-0.02	3.02
Coalinga 3	7/25/83	Vandenburg Air Force Base	CA	3	-120.580	34.730		3.00
Coalinga 3	7/25/83	Woodville	CA	3	-119.198	36.094	-0.66	3.66
Coalinga 3	7/25/83	Yetttem	CA	3	-119.259	36.486	0.56	2.44
Morgan Hill 1	4/24/84	Coyote	CA	7	-121.739	37.217	-0.69	7.69
Morgan Hill 1	4/24/84	Coyote Dam	CA	7	-121.540	37.090	0.67	6.33
Morgan Hill 1	4/24/84	San Martin	CA	7	-121.609	37.085	-0.23	7.23
Morgan Hill 1	4/24/84	Agnew	CA	6	-121.958	37.395	-0.28	6.28
Morgan Hill 1	4/24/84	Corralitos	CA	6	-121.805	36.989	0.16	5.84
Morgan Hill 1	4/24/84	Dublin	CA	6	-121.935	37.702	-0.08	6.08
Morgan Hill 1	4/24/84	Fort Ord	CA	6	-121.800	36.660	-0.44	6.44
Morgan Hill 1	4/24/84	Gilroy	CA	6	-121.567	37.006	-0.08	6.08
Morgan Hill 1	4/24/84	Hollister	CA	6	-121.401	36.853	0.11	5.89
Morgan Hill 1	4/24/84	Livermore (Ch	CA	6	-121.800	37.710	0.05	5.95
Morgan Hill 1	4/24/84	Los Altos	CA	6	-122.113	37.385	-0.16	6.16
Morgan Hill 1	4/24/84	Los Banos	CA	6	-120.849	37.058	0.05	5.95
Morgan Hill 1	4/24/84	Milpitas	CA	6	-121.906	37.428	-0.47	6.47
Morgan Hill 1	4/24/84	Mount Hamilton	CA	6	-121.640	37.340	-0.54	6.54
Morgan Hill 1	4/24/84	Pittsburg	CA	6	-121.884	38.028	0.17	5.83
Morgan Hill 1	4/24/84	Redwood Estates	CA	6	-121.986	37.156	-0.41	6.41
Morgan Hill 1	4/24/84	San Bruno	CA	6	-122.410	37.631	-0.34	6.34
Morgan Hill 1	4/24/84	San Jose	CA	6	-121.894	37.339	0.15	5.85
Morgan Hill 1	4/24/84	San Jose (Blo	CA	6	-121.920	37.260	-0.44	6.44
Morgan Hill 1	4/24/84	Santa Clara	CA	6	-121.954	37.354	-0.28	6.28
Morgan Hill 1	4/24/84	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
Morgan Hill 1	4/24/84	Scotts Valley	CA	6	-122.014	37.051	-0.50	6.50
Morgan Hill 1	4/24/84	Watsonville	CA	6	-121.756	36.910	0.18	5.82
Morgan Hill 1	4/24/84	Alamo	CA	5	-122.031	37.850	-0.29	5.29
Morgan Hill 1	4/24/84	Alviso	CA	5	-121.974	37.426	-1.27	6.27
Morgan Hill 1	4/24/84	Antioch	CA	5	-121.805	38.005	-0.36	5.36
Morgan Hill 1	4/24/84	Aptos	CA	5	-121.898	36.977	-0.90	5.90
Morgan Hill 1	4/24/84	Aromas	CA	5	-121.642	36.889	-0.42	5.42
Morgan Hill 1	4/24/84	Atherton	CA	5	-122.197	37.461	-0.89	5.89
Morgan Hill 1	4/24/84	Atwater	CA	5	-120.608	37.348	0.05	4.95
Morgan Hill 1	4/24/84	Belmont	CA	5	-122.275	37.520	-0.33	5.33
Morgan Hill 1	4/24/84	Ben Lomond	CA	5	-122.085	37.089	-1.15	6.15
Morgan Hill 1	4/24/84	Berkeley	CA	5	-122.272	37.872	-0.02	5.02
Morgan Hill 1	4/24/84	Bethel Island	CA	5	-121.639	38.015	-0.37	5.37
Morgan Hill 1	4/24/84	Biola	CA	5	-120.015	36.802	-0.08	5.08
Morgan Hill 1	4/24/84	Bolinas	CA	5	-122.685	37.909	0.39	4.61
Morgan Hill 1	4/24/84	Boulder Creek	CA	5	-122.121	37.126	-0.47	5.47
Morgan Hill 1	4/24/84	Brentwood	CA	5	-121.695	37.932	-0.37	5.37
Morgan Hill 1	4/24/84	Brisbane	CA	5	-122.399	37.681	0.07	4.93
Morgan Hill 1	4/24/84	Brookdale	CA	5	-122.105	37.106	-0.41	5.41
Morgan Hill 1	4/24/84	Burlingame	CA	5	-122.365	37.584	-0.04	5.04
Morgan Hill 1	4/24/84	Campbell	CA	5	-121.949	37.287	-0.80	5.80

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Morgan Hill 1	4/24/84	Capitola	CA	5	-121.952	36.975	-0.50	5.50
Morgan Hill 1	4/24/84	Carmel	CA	5	-121.920	36.560	0.10	4.90
Morgan Hill 1	4/24/84	Castle Air Force Base	CA	5	-120.570	37.380	0.03	4.97
Morgan Hill 1	4/24/84	Castro Valley	CA	5	-122.085	37.694	-0.43	5.43
Morgan Hill 1	4/24/84	Castroville	CA	5	-121.757	36.766	-0.54	5.54
Morgan Hill 1	4/24/84	Ceres	CA	5	-120.957	37.596	-0.37	5.37
Morgan Hill 1	4/24/84	Chualar	CA	5	-121.518	36.571	-0.28	5.28
Morgan Hill 1	4/24/84	Concord	CA	5	-122.030	37.978	-0.72	5.72
Morgan Hill 1	4/24/84	Copperopolis	CA	5	-120.641	37.981	-0.43	5.43
Morgan Hill 1	4/24/84	Corte Madera	CA	5	-122.526	37.926	-0.58	5.58
Morgan Hill 1	4/24/84	Cressey	CA	5	-120.666	37.420	-0.16	5.16
Morgan Hill 1	4/24/84	Crows Landing	CA	5	-121.071	37.394	-0.58	5.58
Morgan Hill 1	4/24/84	Cupertino	CA	5	-122.031	37.323	-0.93	5.93
Morgan Hill 1	4/24/84	Daly City	CA	5	-122.461	37.706	0.17	4.83
Morgan Hill 1	4/24/84	Danville	CA	5	-121.999	37.822	-0.24	5.24
Morgan Hill 1	4/24/84	Davenport	CA	5	-122.191	37.012	-0.71	5.71
Morgan Hill 1	4/24/84	Denair	CA	5	-120.796	37.526	0.23	4.77
Morgan Hill 1	4/24/84	Dixon	CA	5	-121.822	38.446	-0.15	5.15
Morgan Hill 1	4/24/84	Dos Palos	CA	5	-120.626	36.986	0.20	4.80
Morgan Hill 1	4/24/84	El Cerrito	CA	5	-122.311	37.916	-0.37	5.37
Morgan Hill 1	4/24/84	El Granada	CA	5	-122.468	37.503	-0.48	5.48
Morgan Hill 1	4/24/84	El Sobrante	CA	5	-122.294	37.977	0.04	4.96
Morgan Hill 1	4/24/84	Emeryville	CA	5	-122.284	37.831	0.24	4.76
Morgan Hill 1	4/24/84	Fairfax	CA	5	-122.588	37.987	-0.48	5.48
Morgan Hill 1	4/24/84	Felton	CA	5	-122.072	37.051	-0.53	5.53
Morgan Hill 1	4/24/84	Forest Knolls	CA	5	-122.688	38.015	0.27	4.73
Morgan Hill 1	4/24/84	Foster City	CA	5	-122.270	37.559	-0.31	5.31
Morgan Hill 1	4/24/84	Freedom	CA	5	-121.772	36.935	-0.84	5.84
Morgan Hill 1	4/24/84	Friant	CA	5	-119.711	36.988	0.49	4.51
Morgan Hill 1	4/24/84	Glen Ellen	CA	5	-122.523	38.364	0.38	4.62
Morgan Hill 1	4/24/84	Gonzales	CA	5	-121.443	36.507	-1.02	6.02
Morgan Hill 1	4/24/84	Graton	CA	5	-122.869	38.436	0.08	4.92
Morgan Hill 1	4/24/84	Gustine	CA	5	-120.998	37.258	-0.32	5.32
Morgan Hill 1	4/24/84	Half Moon Bay	CA	5	-122.428	37.464	-0.22	5.22
Morgan Hill 1	4/24/84	Hayward	CA	5	-122.080	37.669	-0.36	5.36
Morgan Hill 1	4/24/84	Holt	CA	5	-121.426	37.934	-0.63	5.63
Morgan Hill 1	4/24/84	Inverness	CA	5	-122.856	38.101	0.11	4.89
Morgan Hill 1	4/24/84	La Honda	CA	5	-122.273	37.319	-0.68	5.68
Morgan Hill 1	4/24/84	Lafayette	CA	5	-122.117	37.886	-0.19	5.19
Morgan Hill 1	4/24/84	Lagunitas	CA	5	-122.701	38.011	0.48	4.52
Morgan Hill 1	4/24/84	Livingston	CA	5	-120.723	37.387	0.48	4.52
Morgan Hill 1	4/24/84	Loma Mar	CA	5	-122.308	37.271	-0.51	5.51
Morgan Hill 1	4/24/84	Los Altos Hills	CA	5	-122.136	37.380	-0.67	5.67
Morgan Hill 1	4/24/84	Los Gatos	CA	5	-121.974	37.227	-0.28	5.28
Morgan Hill 1	4/24/84	Marina	CA	5	-121.801	36.684	-0.20	5.20
Morgan Hill 1	4/24/84	Mendota	CA	5	-120.381	36.754	-0.96	5.96
Morgan Hill 1	4/24/84	Menlo Park	CA	5	-122.181	37.454	-0.22	5.22

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Morgan Hill 1	4/24/84	Merced	CA	5	-120.482	37.302	0.37	4.63
Morgan Hill 1	4/24/84	Mill Valley	CA	5	-122.544	37.906	-0.13	5.13
Morgan Hill 1	4/24/84	Millbrae	CA	5	-122.386	37.599	-0.10	5.10
Morgan Hill 1	4/24/84	Modesto	CA	5	-120.996	37.639	-0.39	5.39
Morgan Hill 1	4/24/84	Monterey	CA	5	-121.894	36.600	-0.16	5.16
Morgan Hill 1	4/24/84	Moraga	CA	5	-122.129	37.835	-0.25	5.25
Morgan Hill 1	4/24/84	Moss Landing	CA	5	-121.786	36.804	-0.35	5.35
Morgan Hill 1	4/24/84	Mount Eden	CA	5	-122.099	37.636	-1.04	6.04
Morgan Hill 1	4/24/84	Mountain View	CA	5	-122.083	37.386	-0.60	5.60
Morgan Hill 1	4/24/84	Napa	CA	5	-122.284	38.297	0.32	4.68
Morgan Hill 1	4/24/84	New Almaden	CA	5	-121.820	37.176	-1.39	6.39
Morgan Hill 1	4/24/84	Newark	CA	5	-122.039	37.530	-0.63	5.63
Morgan Hill 1	4/24/84	Newman	CA	5	-121.020	37.314	-0.43	5.43
Morgan Hill 1	4/24/84	Niles	CA	5	-121.970	37.580	-1.08	6.08
Morgan Hill 1	4/24/84	Novato	CA	5	-122.569	38.108	0.73	4.27
Morgan Hill 1	4/24/84	Oakdale	CA	5	-120.846	37.767	-0.12	5.12
Morgan Hill 1	4/24/84	Oakland	CA	5	-122.270	37.804	-0.14	5.14
Morgan Hill 1	4/24/84	Oakland International Airport	CA	5	-122.220	37.720	-0.03	5.03
Morgan Hill 1	4/24/84	Pacific Grove	CA	5	-121.916	36.618	0.20	4.80
Morgan Hill 1	4/24/84	Pacifica	CA	5	-122.486	37.614	-0.23	5.23
Morgan Hill 1	4/24/84	Paicines	CA	5	-121.278	36.729	-0.77	5.77
Morgan Hill 1	4/24/84	Palo Alto	CA	5	-122.142	37.442	-0.72	5.72
Morgan Hill 1	4/24/84	Patterson	CA	5	-121.129	37.472	-0.34	5.34
Morgan Hill 1	4/24/84	Pescadero	CA	5	-122.380	37.255	-0.17	5.17
Morgan Hill 1	4/24/84	Pinecrest	CA	5	-119.990	38.189	1.29	3.71
Morgan Hill 1	4/24/84	Pinole	CA	5	-122.298	38.004	0.36	4.64
Morgan Hill 1	4/24/84	Pleasanton	CA	5	-121.874	37.663	-0.42	5.42
Morgan Hill 1	4/24/84	Point Reyes Station	CA	5	-122.806	38.069	0.71	4.29
Morgan Hill 1	4/24/84	Port Costa	CA	5	-122.182	38.046	-0.33	5.33
Morgan Hill 1	4/24/84	Portola Valley	CA	5	-122.234	37.384	-1.02	6.02
Morgan Hill 1	4/24/84	Redtop	CA	5	-120.490	37.090	-0.06	5.06
Morgan Hill 1	4/24/84	Redwood City	CA	5	-122.235	37.485	-0.29	5.29
Morgan Hill 1	4/24/84	Richmond	CA	5	-122.347	37.936	-0.04	5.04
Morgan Hill 1	4/24/84	Ripon	CA	5	-121.123	37.742	-0.16	5.16
Morgan Hill 1	4/24/84	Riverbank	CA	5	-120.934	37.736	-0.08	5.08
Morgan Hill 1	4/24/84	Rodeo	CA	5	-122.266	38.033	-0.03	5.03
Morgan Hill 1	4/24/84	Salinas	CA	5	-121.654	36.678	-0.16	5.16
Morgan Hill 1	4/24/84	San Carlos	CA	5	-122.259	37.507	-0.76	5.76
Morgan Hill 1	4/24/84	San Geronimo	CA	5	-122.663	38.013	-1.02	6.02
Morgan Hill 1	4/24/84	San Gregorio	CA	5	-122.386	37.327	-0.05	5.05
Morgan Hill 1	4/24/84	San Jose (Cam	CA	5	-121.880	37.320	-1.52	6.52
Morgan Hill 1	4/24/84	San Juan Bautista	CA	5	-121.537	36.846	-0.55	5.55
Morgan Hill 1	4/24/84	San Leandro	CA	5	-122.155	37.725	-0.15	5.15
Morgan Hill 1	4/24/84	San Lorenzo	CA	5	-122.123	37.681	-0.48	5.48
Morgan Hill 1	4/24/84	San Mateo	CA	5	-122.324	37.563	-0.52	5.52
Morgan Hill 1	4/24/84	San Ramon	CA	5	-121.977	37.780	-0.20	5.20
Morgan Hill 1	4/24/84	Santa Rita Park	CA	5	-120.594	37.048	-0.31	5.31

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Morgan Hill 1	4/24/84	Saratoga	CA	5	-122.022	37.264	-1.04	6.04
Morgan Hill 1	4/24/84	Seaside	CA	5	-121.851	36.611	-0.62	5.62
Morgan Hill 1	4/24/84	Soledad	CA	5	-121.325	36.425	-0.16	5.16
Morgan Hill 1	4/24/84	Soquel	CA	5	-121.956	36.988	-0.33	5.33
Morgan Hill 1	4/24/84	South Dos Palos	CA	5	-120.652	36.964	-0.14	5.14
Morgan Hill 1	4/24/84	South San Francisco	CA	5	-122.407	37.655	-0.44	5.44
Morgan Hill 1	4/24/84	South San Leandro	CA	5	-122.130	37.710	-1.03	6.03
Morgan Hill 1	4/24/84	Spreckels	CA	5	-121.646	36.622	-0.28	5.28
Morgan Hill 1	4/24/84	Stanford	CA	5	-122.167	37.443	-0.55	5.55
Morgan Hill 1	4/24/84	Stevinson	CA	5	-120.851	37.328	-0.40	5.40
Morgan Hill 1	4/24/84	Stockton	CA	5	-121.290	37.958	0.88	4.12
Morgan Hill 1	4/24/84	Stratford	CA	5	-119.822	36.189	0.47	4.53
Morgan Hill 1	4/24/84	Suisun City	CA	5	-122.039	38.238	0.33	4.67
Morgan Hill 1	4/24/84	Sunnyvale	CA	5	-122.035	37.369	-0.72	5.72
Morgan Hill 1	4/24/84	Tiburon	CA	5	-122.456	37.874	0.00	5.00
Morgan Hill 1	4/24/84	Tracy	CA	5	-121.424	37.740	-0.42	5.42
Morgan Hill 1	4/24/84	Tranquillity	CA	5	-120.252	36.649	-0.48	5.48
Morgan Hill 1	4/24/84	Traver	CA	5	-119.484	36.455	0.34	4.66
Morgan Hill 1	4/24/84	Treasure Island Naval Sta	CA	5	-122.370	37.830	-0.16	5.16
Morgan Hill 1	4/24/84	Tres Pinos	CA	5	-121.320	36.790	-0.95	5.95
Morgan Hill 1	4/24/84	Turlock	CA	5	-120.846	37.495	0.35	4.65
Morgan Hill 1	4/24/84	Union City	CA	5	-122.080	37.600	-0.82	5.82
Morgan Hill 1	4/24/84	Vernalis	CA	5	-121.286	37.631	0.06	4.94
Morgan Hill 1	4/24/84	Walnut Creek	CA	5	-122.064	37.906	-0.03	5.03
Morgan Hill 1	4/24/84	West Menlo Park	CA	5	-122.200	37.430	-0.90	5.90
Morgan Hill 1	4/24/84	West Pittsburg	CA	5	-121.936	38.027	-0.19	5.19
Morgan Hill 1	4/24/84	Westley	CA	5	-121.198	37.549	-1.02	6.02
Morgan Hill 1	4/24/84	Armona	CA	4	-119.708	36.316	-0.24	4.24
Morgan Hill 1	4/24/84	Atascadero	CA	4	-120.670	35.489	0.38	3.62
Morgan Hill 1	4/24/84	Auberry	CA	4	-119.484	37.081	0.73	3.27
Morgan Hill 1	4/24/84	Avila Beach	CA	4	-120.731	35.180	0.84	3.16
Morgan Hill 1	4/24/84	Ballico	CA	4	-120.705	37.454	-0.12	4.12
Morgan Hill 1	4/24/84	Bangor	CA	4	-121.404	39.389	0.73	3.27
Morgan Hill 1	4/24/84	Bass Lake	CA	4	-119.565	37.325	-0.17	4.17
Morgan Hill 1	4/24/84	Big Creek	CA	4	-119.245	37.205	0.64	3.36
Morgan Hill 1	4/24/84	Big Sur	CA	4	-121.806	36.270	-0.51	4.51
Morgan Hill 1	4/24/84	Bishop	CA	4	-118.394	37.364	2.64	1.36
Morgan Hill 1	4/24/84	Burrel	CA	4	-119.984	36.488	0.08	3.92
Morgan Hill 1	4/24/84	Byron	CA	4	-121.637	37.867	-0.40	4.40
Morgan Hill 1	4/24/84	Cantua Creek	CA	4	-120.315	36.501	-0.40	4.40
Morgan Hill 1	4/24/84	Chowchilla	CA	4	-120.259	37.123	-0.33	4.33
Morgan Hill 1	4/24/84	Clovis	CA	4	-119.702	36.825	0.54	3.46
Morgan Hill 1	4/24/84	Crockett	CA	4	-122.212	38.053	-0.62	4.62
Morgan Hill 1	4/24/84	Del Rey	CA	4	-119.593	36.659	0.11	3.89
Morgan Hill 1	4/24/84	Delhi	CA	4	-120.778	37.432	-0.05	4.05
Morgan Hill 1	4/24/84	Diablo	CA	4	-121.957	37.835	-0.85	4.85
Morgan Hill 1	4/24/84	Douglas Flat	CA	4	-120.454	38.114	0.00	4.00

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Morgan Hill 1	4/24/84	El Verano	CA	4	-122.491	38.298	0.36	3.64
Morgan Hill 1	4/24/84	Elmira	CA	4	-121.909	38.348	-0.42	4.42
Morgan Hill 1	4/24/84	Fairfield	CA	4	-122.039	38.249	-0.14	4.14
Morgan Hill 1	4/24/84	Firebaugh	CA	4	-120.455	36.859	-0.02	4.02
Morgan Hill 1	4/24/84	Foresthill	CA	4	-120.817	39.020	1.08	2.92
Morgan Hill 1	4/24/84	Fowler	CA	4	-119.678	36.631	-0.09	4.09
Morgan Hill 1	4/24/84	French Camp	CA	4	-121.270	37.884	-0.18	4.18
Morgan Hill 1	4/24/84	Fresno	CA	4	-119.771	36.748	0.10	3.90
Morgan Hill 1	4/24/84	Fulton	CA	4	-122.769	38.496	0.44	3.56
Morgan Hill 1	4/24/84	Gardnerville	NV	4	-119.749	38.941	1.35	2.65
Morgan Hill 1	4/24/84	Genoa	NV	4	-119.846	39.004	2.05	1.95
Morgan Hill 1	4/24/84	Glenbrook	NV	4	-119.938	39.089	1.80	2.20
Morgan Hill 1	4/24/84	Goshen	CA	4	-119.419	36.351	0.45	3.55
Morgan Hill 1	4/24/84	Guerneville	CA	4	-122.995	38.502	1.02	2.98
Morgan Hill 1	4/24/84	Hickman	CA	4	-120.753	37.624	-0.12	4.12
Morgan Hill 1	4/24/84	Hillsborough	CA	4	-122.378	37.574	-0.58	4.58
Morgan Hill 1	4/24/84	Homewood	CA	4	-120.159	39.087	1.20	2.80
Morgan Hill 1	4/24/84	Hughson	CA	4	-120.865	37.597	-0.27	4.27
Morgan Hill 1	4/24/84	Isleton	CA	4	-121.611	38.162	0.00	4.00
Morgan Hill 1	4/24/84	Jenner	CA	4	-123.114	38.450	0.72	3.28
Morgan Hill 1	4/24/84	Jolon	CA	4	-121.175	35.971	0.04	3.96
Morgan Hill 1	4/24/84	Kentfield	CA	4	-122.556	37.952	-0.72	4.72
Morgan Hill 1	4/24/84	Kenwood	CA	4	-122.545	38.414	0.03	3.97
Morgan Hill 1	4/24/84	Kerman	CA	4	-120.059	36.724	-1.16	5.16
Morgan Hill 1	4/24/84	Keyes	CA	4	-120.914	37.557	-0.24	4.24
Morgan Hill 1	4/24/84	King City	CA	4	-121.125	36.213	-0.43	4.43
Morgan Hill 1	4/24/84	Kingsburg	CA	4	-119.553	36.514	-0.11	4.11
Morgan Hill 1	4/24/84	Knights Ferry	CA	4	-120.671	37.820	-1.04	5.04
Morgan Hill 1	4/24/84	Knights Landing	CA	4	-121.717	38.800	0.52	3.48
Morgan Hill 1	4/24/84	La Grange	CA	4	-120.463	37.664	0.14	3.86
Morgan Hill 1	4/24/84	Ladera	CA	4	-122.200	37.400	-1.92	5.92
Morgan Hill 1	4/24/84	Larkspur	CA	4	-122.512	37.938	-0.83	4.83
Morgan Hill 1	4/24/84	Lathrop	CA	4	-121.276	37.823	-0.31	4.31
Morgan Hill 1	4/24/84	Lee Vining	CA	4	-119.121	37.958	1.36	2.64
Morgan Hill 1	4/24/84	Lemoore	CA	4	-119.782	36.301	0.50	3.50
Morgan Hill 1	4/24/84	Lindsay	CA	4	-119.087	36.203	0.47	3.53
Morgan Hill 1	4/24/84	Lodi	CA	4	-121.271	38.130	0.01	3.99
Morgan Hill 1	4/24/84	Madera	CA	4	-120.060	36.961	-0.03	4.03
Morgan Hill 1	4/24/84	Manteca	CA	4	-121.215	37.798	-0.45	4.45
Morgan Hill 1	4/24/84	Mountain Ranch	CA	4	-120.540	38.228	0.20	3.80
Morgan Hill 1	4/24/84	Murphys	CA	4	-120.459	38.138	0.79	3.21
Morgan Hill 1	4/24/84	O'Neals	CA	4	-119.693	37.128	-0.10	4.10
Morgan Hill 1	4/24/84	Oakland (Rock	CA	4	-122.280	37.800	-1.33	5.33
Morgan Hill 1	4/24/84	Oakley	CA	4	-121.711	37.998	-0.48	4.48
Morgan Hill 1	4/24/84	Oceano	CA	4	-120.611	35.099	0.44	3.56
Morgan Hill 1	4/24/84	Olema	CA	4	-122.787	38.041	0.14	3.86
Morgan Hill 1	4/24/84	Orinda	CA	4	-122.179	37.877	-0.32	4.32
Morgan Hill 1	4/24/84	Pacheco	CA	4	-122.074	37.984	-1.19	5.19

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Morgan Hill 1	4/24/84	Parlier	CA	4	-119.526	36.612	1.28	2.72
Morgan Hill 1	4/24/84	Pebble Beach	CA	4	-121.970	36.570	-0.44	4.44
Morgan Hill 1	4/24/84	Piedmont	CA	4	-122.231	37.824	-0.32	4.32
Morgan Hill 1	4/24/84	Planada	CA	4	-120.318	37.291	-0.76	4.76
Morgan Hill 1	4/24/84	Pleasant Hill	CA	4	-122.060	37.948	-0.84	4.84
Morgan Hill 1	4/24/84	Point Richmond	CA	4	-122.388	37.924	-0.99	4.99
Morgan Hill 1	4/24/84	Rail Road Flat	CA	4	-120.510	38.340	0.35	3.65
Morgan Hill 1	4/24/84	Raisin	CA	4	-119.910	36.610	0.59	3.41
Morgan Hill 1	4/24/84	Rio Vista	CA	4	-121.690	38.156	-0.53	4.53
Morgan Hill 1	4/24/84	Rohnert Park	CA	4	-122.700	38.340	0.04	3.96
Morgan Hill 1	4/24/84	Ryde	CA	4	-121.559	38.239	-0.25	4.25
Morgan Hill 1	4/24/84	Sacramento	CA	4	-121.493	38.582	0.86	3.14
Morgan Hill 1	4/24/84	Sacramento (P	CA	4	-121.500	38.580	0.03	3.97
Morgan Hill 1	4/24/84	Saint Helena	CA	4	-122.469	38.505	-0.20	4.20
Morgan Hill 1	4/24/84	Salida	CA	4	-121.084	37.706	0.12	3.88
Morgan Hill 1	4/24/84	San Anselmo	CA	4	-122.561	37.975	-0.71	4.71
Morgan Hill 1	4/24/84	San Ardo	CA	4	-120.904	36.021	0.00	4.00
Morgan Hill 1	4/24/84	San Joaquin	CA	4	-120.188	36.607	-0.43	4.43
Morgan Hill 1	4/24/84	San Lucas	CA	4	-121.019	36.129	-0.41	4.41
Morgan Hill 1	4/24/84	San Miguel	CA	4	-120.695	35.753	-0.09	4.09
Morgan Hill 1	4/24/84	San Quentin	CA	4	-122.484	37.941	-0.83	4.83
Morgan Hill 1	4/24/84	San Rafael	CA	4	-122.530	37.974	-0.14	4.14
Morgan Hill 1	4/24/84	Santa Rosa	CA	4	-122.713	38.441	0.41	3.59
Morgan Hill 1	4/24/84	Sather Gate	CA	4	-122.260	37.860	-1.25	5.25
Morgan Hill 1	4/24/84	Sausalito	CA	4	-122.484	37.859	-0.60	4.60
Morgan Hill 1	4/24/84	Schurz	NV	4	-118.810	38.950	3.12	0.88
Morgan Hill 1	4/24/84	Sebastopol	CA	4	-122.823	38.402	0.03	3.97
Morgan Hill 1	4/24/84	Selma	CA	4	-119.611	36.571	0.10	3.90
Morgan Hill 1	4/24/84	Sequoia National Park	CA	4	-118.773	36.564	1.74	2.26
Morgan Hill 1	4/24/84	Snelling	CA	4	-120.436	37.519	-0.03	4.03
Morgan Hill 1	4/24/84	Sonora	CA	4	-120.381	37.984	-0.10	4.10
Morgan Hill 1	4/24/84	Stinson Beach	CA	4	-122.643	37.901	-0.31	4.31
Morgan Hill 1	4/24/84	Strathmore	CA	4	-119.060	36.146	0.25	3.75
Morgan Hill 1	4/24/84	Strawberry	CA	4	-119.998	38.202	1.06	2.94
Morgan Hill 1	4/24/84	Temescal	CA	4	-122.250	37.830	-1.31	5.31
Morgan Hill 1	4/24/84	Templeton	CA	4	-120.705	35.550	0.10	3.90
Morgan Hill 1	4/24/84	Thornton	CA	4	-121.424	38.226	-0.51	4.51
Morgan Hill 1	4/24/84	Twain Harte	CA	4	-120.232	38.040	0.41	3.59
Morgan Hill 1	4/24/84	Vacaville	CA	4	-121.987	38.357	-0.15	4.15
Morgan Hill 1	4/24/84	Vallejo	CA	4	-122.256	38.104	-0.12	4.12
Morgan Hill 1	4/24/84	Valley Home	CA	4	-120.911	37.829	-0.32	4.32
Morgan Hill 1	4/24/84	Valley Springs	CA	4	-120.828	38.192	0.10	3.90
Morgan Hill 1	4/24/84	Vineburg	CA	4	-122.438	38.273	-0.66	4.66
Morgan Hill 1	4/24/84	Visalia	CA	4	-119.291	36.330	0.27	3.73
Morgan Hill 1	4/24/84	Vista Grande	CA	4	-122.470	37.700	-1.20	5.20
Morgan Hill 1	4/24/84	Wallace	CA	4	-120.977	38.194	0.25	3.75
Morgan Hill 1	4/24/84	Waterford	CA	4	-120.759	37.641	-0.19	4.19

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Morgan Hill 1	4/24/84	Winton	CA	4	-120.612	37.389	-0.47	4.47
Morgan Hill 1	4/24/84	Woodacre	CA	4	-122.644	38.013	0.24	3.76
Morgan Hill 1	4/24/84	Woodbridge	CA	4	-121.300	38.154	-0.83	4.83
Morgan Hill 1	4/24/84	Yountville	CA	4	-122.360	38.402	-0.32	4.32
Morgan Hill 1	4/24/84	Acampo	CA	3	-121.278	38.175	-0.62	3.62
Morgan Hill 1	4/24/84	Ahwahnee	CA	3	-119.725	37.366	-0.25	3.25
Morgan Hill 1	4/24/84	Albion	CA	3	-123.768	39.224	1.36	1.64
Morgan Hill 1	4/24/84	Alta	CA	3	-120.810	39.207	1.08	1.92
Morgan Hill 1	4/24/84	Altaville	CA	3	-120.561	38.084	-0.37	3.37
Morgan Hill 1	4/24/84	Arroyo Grande	CA	3	-120.590	35.119	0.39	2.61
Morgan Hill 1	4/24/84	Avery	CA	3	-120.369	38.204	-0.46	3.46
Morgan Hill 1	4/24/84	Benicia	CA	3	-122.158	38.049	-0.47	3.47
Morgan Hill 1	4/24/84	Blairsden	CA	3	-120.616	39.781	2.08	0.92
Morgan Hill 1	4/24/84	Bodega	CA	3	-122.973	38.345	-0.27	3.27
Morgan Hill 1	4/24/84	Bodega Bay	CA	3	-123.047	38.333	-0.04	3.04
Morgan Hill 1	4/24/84	Bradley	CA	3	-120.800	35.863	-0.98	3.98
Morgan Hill 1	4/24/84	Burson	CA	3	-120.890	38.190	-1.42	4.42
Morgan Hill 1	4/24/84	Buttonwillow	CA	3	-119.469	35.401	0.57	2.43
Morgan Hill 1	4/24/84	Cambria	CA	3	-121.080	35.564	0.22	2.78
Morgan Hill 1	4/24/84	Carnelian Bay	CA	3	-120.081	39.227	1.64	1.36
Morgan Hill 1	4/24/84	Carson City	NV	3	-119.766	39.164	1.92	1.08
Morgan Hill 1	4/24/84	Catheys Valley	CA	3	-120.097	37.433	-0.77	3.77
Morgan Hill 1	4/24/84	Cedar Ridge	CA	3	-121.020	39.199	1.13	1.87
Morgan Hill 1	4/24/84	Chinese Camp	CA	3	-120.432	37.871	-1.05	4.05
Morgan Hill 1	4/24/84	Clements	CA	3	-121.087	38.191	-0.85	3.85
Morgan Hill 1	4/24/84	Coalinga	CA	3	-120.359	36.140	0.29	2.71
Morgan Hill 1	4/24/84	Coarsegold	CA	3	-119.700	37.262	-0.30	3.30
Morgan Hill 1	4/24/84	Colma	CA	3	-122.459	37.677	-0.34	3.34
Morgan Hill 1	4/24/84	Corcoran	CA	3	-119.559	36.098	0.16	2.84
Morgan Hill 1	4/24/84	Cotati	CA	3	-122.706	38.327	-0.99	3.99
Morgan Hill 1	4/24/84	Coulterville	CA	3	-120.197	37.711	-1.49	4.49
Morgan Hill 1	4/24/84	Davis	CA	3	-121.739	38.545	-0.63	3.63
Morgan Hill 1	4/24/84	Dillon Beach	CA	3	-122.964	38.251	0.22	2.78
Morgan Hill 1	4/24/84	Dinuba	CA	3	-119.386	36.543	0.01	2.99
Morgan Hill 1	4/24/84	Doyle	CA	3	-120.103	40.028	2.94	0.06
Morgan Hill 1	4/24/84	Dutch Flat	CA	3	-120.837	39.206	0.73	2.27
Morgan Hill 1	4/24/84	Edison	CA	3	-118.871	35.348	0.02	2.98
Morgan Hill 1	4/24/84	El Portal	CA	3	-119.783	37.675	0.38	2.62
Morgan Hill 1	4/24/84	Eldridge	CA	3	-122.510	38.340	-0.88	3.88
Morgan Hill 1	4/24/84	Emigrant Gap	CA	3	-120.672	39.297	0.70	2.30
Morgan Hill 1	4/24/84	Eureka	CA	3	-124.163	40.802	4.78	-1.78
Morgan Hill 1	4/24/84	Forestville	CA	3	-122.889	38.474	0.05	2.95
Morgan Hill 1	4/24/84	Gabbs	NV	3	-117.920	38.870	3.08	-0.08
Morgan Hill 1	4/24/84	Galt	CA	3	-121.299	38.255	-0.72	3.72
Morgan Hill 1	4/24/84	Gold Run	CA	3	-120.855	39.181	0.93	2.07
Morgan Hill 1	4/24/84	Groveland	CA	3	-120.232	37.838	-0.34	3.34
Morgan Hill 1	4/24/84	Grover City	CA	3	-120.620	35.120	0.34	2.66
Morgan Hill 1	4/24/84	Hathaway Pines	CA	3	-120.364	38.192	0.42	2.58

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Morgan Hill 1	4/24/84	Hawthorne-Nv	NV	3	-118.624	38.525	1.66	1.34
Morgan Hill 1	4/24/84	Helm	CA	3	-120.097	36.532	-0.49	3.49
Morgan Hill 1	4/24/84	Hood	CA	3	-121.516	38.368	-0.66	3.66
Morgan Hill 1	4/24/84	Huron	CA	3	-120.102	36.203	-0.05	3.05
Morgan Hill 1	4/24/84	Inyokern	CA	3	-117.812	35.647	1.67	1.33
Morgan Hill 1	4/24/84	Ione	CA	3	-120.932	38.353	-0.02	3.02
Morgan Hill 1	4/24/84	Kings Beach	CA	3	-120.026	39.238	0.73	2.27
Morgan Hill 1	4/24/84	Lake Isabella	CA	3	-118.472	35.618	1.18	1.82
Morgan Hill 1	4/24/84	Lakeshore	CA	3	-119.174	37.253	-0.15	3.15
Morgan Hill 1	4/24/84	Le Grand	CA	3	-120.247	37.229	0.19	2.81
Morgan Hill 1	4/24/84	Linden	CA	3	-121.083	38.021	-0.94	3.94
Morgan Hill 1	4/24/84	Long Barn	CA	3	-120.133	38.093	0.88	2.12
Morgan Hill 1	4/24/84	Los Alamos	CA	3	-120.277	34.744	1.00	2.00
Morgan Hill 1	4/24/84	Los Osos	CA	3	-120.831	35.311	-0.11	3.11
Morgan Hill 1	4/24/84	Loyalton	CA	3	-120.240	39.676	2.11	0.89
Morgan Hill 1	4/24/84	Madison	CA	3	-121.967	38.679	-0.16	3.16
Morgan Hill 1	4/24/84	Mare Island	CA	3	-122.270	38.100	-1.79	4.79
Morgan Hill 1	4/24/84	Marshall	CA	3	-122.893	38.161	-0.50	3.50
Morgan Hill 1	4/24/84	Mcfarland	CA	3	-119.228	35.678	-0.02	3.02
Morgan Hill 1	4/24/84	Mi-Wuk Village	CA	3	-120.184	38.066	-0.46	3.46
Morgan Hill 1	4/24/84	Minden	NV	3	-119.765	38.954	1.49	1.51
Morgan Hill 1	4/24/84	Monte Rio	CA	3	-123.008	38.466	-0.37	3.37
Morgan Hill 1	4/24/84	New Cuyama	CA	3	-119.684	34.947	0.19	2.81
Morgan Hill 1	4/24/84	Nicasio	CA	3	-122.698	38.062	-0.43	3.43
Morgan Hill 1	4/24/84	Oakville	CA	3	-122.401	38.437	-0.94	3.94
Morgan Hill 1	4/24/84	Olancho	CA	3	-118.006	36.282	1.89	1.11
Morgan Hill 1	4/24/84	Paso Robles	CA	3	-120.690	35.627	-0.16	3.16
Morgan Hill 1	4/24/84	Petaluma	CA	3	-122.636	38.233	0.40	2.60
Morgan Hill 1	4/24/84	Philo	CA	3	-123.444	39.066	0.51	2.49
Morgan Hill 1	4/24/84	Pismo Beach	CA	3	-120.640	35.143	0.01	2.99
Morgan Hill 1	4/24/84	Placerville	CA	3	-120.798	38.730	0.06	2.94
Morgan Hill 1	4/24/84	Point Arena	CA	3	-123.692	38.909	1.23	1.77
Morgan Hill 1	4/24/84	Porterville	CA	3	-119.016	36.065	0.59	2.41
Morgan Hill 1	4/24/84	Portola	CA	3	-120.468	39.811	2.68	0.32
Morgan Hill 1	4/24/84	Prather	CA	3	-119.513	37.038	-0.48	3.48
Morgan Hill 1	4/24/84	Raymond	CA	3	-119.904	37.217	-1.18	4.18
Morgan Hill 1	4/24/84	Reno	NV	3	-119.813	39.530	2.01	0.99
Morgan Hill 1	4/24/84	Ridgecrest	CA	3	-117.670	35.623	1.80	1.20
Morgan Hill 1	4/24/84	Roseland	CA	3	-122.730	38.420	-0.72	3.72
Morgan Hill 1	4/24/84	Roseville	CA	3	-121.287	38.752	-0.23	3.23
Morgan Hill 1	4/24/84	Smith	NV	3	-119.326	38.801	1.52	1.48
Morgan Hill 1	4/24/84	Sonoma	CA	3	-122.457	38.292	-0.32	3.32
Morgan Hill 1	4/24/84	Soulsbyville	CA	3	-120.263	37.985	-0.83	3.83
Morgan Hill 1	4/24/84	Sparks	NV	3	-119.752	39.535	1.74	1.26
Morgan Hill 1	4/24/84	Steele Park	CA	3	-122.200	38.510	-0.99	3.99
Morgan Hill 1	4/24/84	Sunol	CA	3	-121.890	37.600	-0.98	3.98
Morgan Hill 1	4/24/84	Tahoe Vista	CA	3	-120.050	39.240	1.25	1.75
Morgan Hill 1	4/24/84	Tahoma	CA	3	-120.127	39.068	0.46	2.54

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Morgan Hill 1	4/24/84	Tipton	CA	3	-119.311	36.059	0.03	2.97
Morgan Hill 1	4/24/84	Tomales	CA	3	-122.904	38.246	-0.84	3.84
Morgan Hill 1	4/24/84	Valley Ford	CA	3	-122.923	38.318	0.28	2.72
Morgan Hill 1	4/24/84	Vandenberg Air Force Base	CA	3	-120.580	34.730	0.62	2.38
Morgan Hill 1	4/24/84	Victor	CA	3	-121.205	38.138	-0.68	3.68
Morgan Hill 1	4/24/84	Villa Grande	CA	3	-123.024	38.473	0.76	2.24
Morgan Hill 1	4/24/84	West Sacramento	CA	3	-121.529	38.581	0.11	2.89
Morgan Hill 1	4/24/84	Wilton	CA	3	-121.271	38.412	-0.98	3.98
Morgan Hill 1	4/24/84	Windsor	CA	3	-122.815	38.547	0.12	2.88
Morgan Hill 1	4/24/84	Winters	CA	3	-121.970	38.525	-0.70	3.70
Morgan Hill 1	4/24/84	Yolo	CA	3	-121.807	38.732	-0.15	3.15
Morgan Hill 2	9/26/84	Mount Hamilton	CA	5	-121.640	37.340	-0.54	5.54
Morgan Hill 2	9/26/84	Santa Cruz	CA	5	-122.030	36.974	-0.07	5.07
Morgan Hill 2	9/26/84	Agnew	CA	4	-121.958	37.395	-0.28	4.28
Morgan Hill 2	9/26/84	Boulder Creek	CA	4	-122.121	37.126	-0.47	4.47
Morgan Hill 2	9/26/84	Campbell	CA	4	-121.949	37.287	-0.80	4.80
Morgan Hill 2	9/26/84	Coyote	CA	4	-121.739	37.217	-0.69	4.69
Morgan Hill 2	9/26/84	Lafayette	CA	4	-122.117	37.886	-0.19	4.19
Morgan Hill 2	9/26/84	Milpitas	CA	4	-121.906	37.428	-0.47	4.47
Morgan Hill 2	9/26/84	Mountain View	CA	4	-122.083	37.386	-0.60	4.60
Morgan Hill 2	9/26/84	New Almaden	CA	4	-121.820	37.176	-1.39	5.39
Morgan Hill 2	9/26/84	Redwood Estates	CA	4	-121.986	37.156	-0.41	4.41
Morgan Hill 2	9/26/84	San Carlos	CA	4	-122.259	37.507	-0.76	4.76
Morgan Hill 2	9/26/84	Alviso	CA	3	-121.974	37.426	-1.27	4.27
Morgan Hill 2	9/26/84	Aptos	CA	3	-121.898	36.977	-0.90	3.90
Morgan Hill 2	9/26/84	Atherton	CA	3	-122.197	37.461	-0.89	3.89
Morgan Hill 2	9/26/84	Berkeley	CA	3	-122.272	37.872	-0.02	3.02
Morgan Hill 2	9/26/84	Burlingame	CA	3	-122.365	37.584	-0.04	3.04
Morgan Hill 2	9/26/84	Davenport	CA	3	-122.191	37.012	-0.71	3.71
Morgan Hill 2	9/26/84	Keyes	CA	3	-120.914	37.557	-0.24	3.24
Morgan Hill 2	9/26/84	La Honda	CA	3	-122.273	37.319	-0.68	3.68
Morgan Hill 2	9/26/84	Loma Mar	CA	3	-122.308	37.271	-0.51	3.51
Morgan Hill 2	9/26/84	Menlo Park	CA	3	-122.181	37.454	-0.22	3.22
Morgan Hill 2	9/26/84	Morgan Hill	CA	3	-121.653	37.131	-0.67	3.67
Morgan Hill 2	9/26/84	Mount Hermon	CA	3	-122.058	37.051	-0.38	3.38
Morgan Hill 2	9/26/84	Oakland	CA	3	-122.270	37.804	-0.14	3.14
Morgan Hill 2	9/26/84	Pescadero	CA	3	-122.380	37.255	-0.17	3.17
Morgan Hill 2	9/26/84	Port Costa	CA	3	-122.182	38.046	-0.33	3.33
Morgan Hill 2	9/26/84	Redwood City	CA	3	-122.235	37.485	-0.29	3.29
Morgan Hill 2	9/26/84	Salinas	CA	3	-121.654	36.678	-0.16	3.16
Morgan Hill 2	9/26/84	San Francisco	CA	3	-122.418	37.775	1.18	1.82
Morgan Hill 2	9/26/84	San Juan Bautista	CA	3	-121.537	36.846	-0.55	3.55
Morgan Hill 2	9/26/84	Stinson Beach	CA	3	-122.643	37.901	-0.31	3.31
Morgan Hill 2	9/26/84	Sunol	CA	3	-121.890	37.600	-0.98	3.98
Morgan Hill 2	9/26/84	Woodacre	CA	3	-122.644	38.013	0.24	2.76
Mt. Lewis	3/31/86	Mount Hamilton	CA	6	-121.640	37.340	-0.54	6.54
Mt. Lewis	3/31/86	Newark	CA	6	-122.039	37.530	-0.63	6.63

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Mt. Lewis	3/31/86	San Jose	CA	6	-121.894	37.339	0.15	5.85
Mt. Lewis	3/31/86	San Jose (Cambrian Park)	CA	6	-121.930	37.260	0.91	5.09
Mt. Lewis	3/31/86	Agnew	CA	5	-121.958	37.395	-0.28	5.28
Mt. Lewis	3/31/86	Alamo	CA	5	-122.031	37.850	-0.29	5.29
Mt. Lewis	3/31/86	Alviso	CA	5	-121.974	37.426	-1.27	6.27
Mt. Lewis	3/31/86	Aptos	CA	5	-121.898	36.977	-0.90	5.90
Mt. Lewis	3/31/86	Aromas	CA	5	-121.642	36.889	-0.42	5.42
Mt. Lewis	3/31/86	Benicia	CA	5	-122.158	38.049	-0.47	5.47
Mt. Lewis	3/31/86	Brentwood	CA	5	-121.695	37.932	-0.37	5.37
Mt. Lewis	3/31/86	Brookdale	CA	5	-122.105	37.106	-0.41	5.41
Mt. Lewis	3/31/86	Burlingame	CA	5	-122.365	37.584	-0.04	5.04
Mt. Lewis	3/31/86	Byron	CA	5	-121.637	37.867	-0.40	5.40
Mt. Lewis	3/31/86	Crows Landing	CA	5	-121.071	37.394	-0.58	5.58
Mt. Lewis	3/31/86	Cupertino	CA	5	-122.031	37.323	-0.93	5.93
Mt. Lewis	3/31/86	Denair	CA	5	-120.796	37.526	0.23	4.77
Mt. Lewis	3/31/86	Dublin	CA	5	-121.935	37.702	-0.08	5.08
Mt. Lewis	3/31/86	East Palo Alto	CA	5	-122.140	37.469	0.21	4.79
Mt. Lewis	3/31/86	Half Moon Bay	CA	5	-122.428	37.464	-0.22	5.22
Mt. Lewis	3/31/86	Lagunitas	CA	5	-122.701	38.011	0.48	4.52
Mt. Lewis	3/31/86	Livermore	CA	5	-121.767	37.682	0.05	4.95
Mt. Lewis	3/31/86	Los Altos	CA	5	-122.113	37.385	-0.16	5.16
Mt. Lewis	3/31/86	Los Gatos	CA	5	-121.974	37.227	-0.28	5.28
Mt. Lewis	3/31/86	Millbrae	CA	5	-122.386	37.599	-0.10	5.10
Mt. Lewis	3/31/86	Milpitas	CA	5	-121.906	37.428	-0.47	5.47
Mt. Lewis	3/31/86	Monterey	CA	5	-121.894	36.600	-0.16	5.16
Mt. Lewis	3/31/86	Morgan Hill	CA	5	-121.653	37.131	-0.67	5.67
Mt. Lewis	3/31/86	Mountain View	CA	5	-122.083	37.386	-0.60	5.60
Mt. Lewis	3/31/86	Novato	CA	5	-122.569	38.108	0.73	4.27
Mt. Lewis	3/31/86	Oakdale	CA	5	-120.846	37.767	-0.12	5.12
Mt. Lewis	3/31/86	Pacifica	CA	5	-122.486	37.614	-0.23	5.23
Mt. Lewis	3/31/86	Pinole	CA	5	-122.298	38.004	0.36	4.64
Mt. Lewis	3/31/86	Pleasanton	CA	5	-121.874	37.663	-0.42	5.42
Mt. Lewis	3/31/86	Point Reyes Station	CA	5	-122.806	38.069	0.71	4.29
Mt. Lewis	3/31/86	Redwood City	CA	5	-122.235	37.485	-0.29	5.29
Mt. Lewis	3/31/86	San Mateo	CA	5	-122.324	37.563	-0.52	5.52
Mt. Lewis	3/31/86	San Pablo	CA	5	-122.344	37.962	0.47	4.53
Mt. Lewis	3/31/86	San Ramon	CA	5	-121.977	37.780	-0.20	5.20
Mt. Lewis	3/31/86	Stockton	CA	5	-121.290	37.958	0.88	4.12
Mt. Lewis	3/31/86	Sunnyvale	CA	5	-122.035	37.369	-0.72	5.72
Mt. Lewis	3/31/86	Sunol	CA	5	-121.890	37.600	-0.98	5.98
Mt. Lewis	3/31/86	Tracy	CA	5	-121.424	37.740	-0.42	5.42
Mt. Lewis	3/31/86	Union City	CA	5	-122.080	37.600	-0.82	5.82
Mt. Lewis	3/31/86	Walnut Creek	CA	5	-122.064	37.906	-0.03	5.03
Mt. Lewis	3/31/86	Westley	CA	5	-121.198	37.549	-1.02	6.02
Mt. Lewis	3/31/86	Woodacre	CA	5	-122.644	38.013	0.24	4.76
Mt. Lewis	3/31/86	Albany	CA	4	-122.297	37.887	-0.31	4.31
Mt. Lewis	3/31/86	Antioch	CA	4	-121.805	38.005	-0.36	4.36

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Mt. Lewis	3/31/86	Belmont	CA	4	-122.275	37.520	-0.33	4.33
Mt. Lewis	3/31/86	Berkeley	CA	4	-122.272	37.872	-0.02	4.02
Mt. Lewis	3/31/86	Big Oak Flat	CA	4	-120.257	37.824	-0.40	4.40
Mt. Lewis	3/31/86	Bolinas	CA	4	-122.685	37.909	0.39	3.61
Mt. Lewis	3/31/86	Boulder Creek	CA	4	-122.121	37.126	-0.47	4.47
Mt. Lewis	3/31/86	Brisbane	CA	4	-122.399	37.681	0.07	3.93
Mt. Lewis	3/31/86	Camino	CA	4	-120.674	38.738	0.38	3.62
Mt. Lewis	3/31/86	Campbell	CA	4	-121.949	37.287	-0.80	4.80
Mt. Lewis	3/31/86	Capitola	CA	4	-121.952	36.975	-0.50	4.50
Mt. Lewis	3/31/86	Carmel	CA	4	-121.920	36.560	0.10	3.90
Mt. Lewis	3/31/86	Castroville	CA	4	-121.757	36.766	-0.54	4.54
Mt. Lewis	3/31/86	Concord	CA	4	-122.030	37.978	-0.72	4.72
Mt. Lewis	3/31/86	Danville	CA	4	-121.999	37.822	-0.24	4.24
Mt. Lewis	3/31/86	Diablo	CA	4	-121.957	37.835	-0.85	4.85
Mt. Lewis	3/31/86	Dillon Beach	CA	4	-122.964	38.251	0.22	3.78
Mt. Lewis	3/31/86	Dos Palos	CA	4	-120.626	36.986	0.20	3.80
Mt. Lewis	3/31/86	El Cerrito	CA	4	-122.311	37.916	-0.37	4.37
Mt. Lewis	3/31/86	El Granada	CA	4	-122.468	37.503	-0.48	4.48
Mt. Lewis	3/31/86	Felton	CA	4	-122.072	37.051	-0.53	4.53
Mt. Lewis	3/31/86	Forest Knolls	CA	4	-122.688	38.015	0.27	3.73
Mt. Lewis	3/31/86	Foster City	CA	4	-122.270	37.559	-0.31	4.31
Mt. Lewis	3/31/86	Freedom	CA	4	-121.772	36.935	-0.84	4.84
Mt. Lewis	3/31/86	Georgetown	CA	4	-120.838	38.907	0.56	3.44
Mt. Lewis	3/31/86	Glen Ellen	CA	4	-122.523	38.364	0.38	3.62
Mt. Lewis	3/31/86	Greenfield	CA	4	-121.243	36.321	-0.28	4.28
Mt. Lewis	3/31/86	Hathaway Pines	CA	4	-120.364	38.192	0.42	3.58
Mt. Lewis	3/31/86	Hayward	CA	4	-122.080	37.669	-0.36	4.36
Mt. Lewis	3/31/86	Hercules	CA	4	-122.288	38.017	-0.48	4.48
Mt. Lewis	3/31/86	Hickman	CA	4	-120.753	37.624	-0.12	4.12
Mt. Lewis	3/31/86	Hollister	CA	4	-121.401	36.853	0.11	3.89
Mt. Lewis	3/31/86	Holt	CA	4	-121.426	37.934	-0.63	4.63
Mt. Lewis	3/31/86	Hughson	CA	4	-120.865	37.597	-0.27	4.27
Mt. Lewis	3/31/86	Inverness	CA	4	-122.856	38.101	0.11	3.89
Mt. Lewis	3/31/86	Isleton	CA	4	-121.611	38.162	0.00	4.00
Mt. Lewis	3/31/86	Keyes	CA	4	-120.914	37.557	-0.24	4.24
Mt. Lewis	3/31/86	La Grange	CA	4	-120.463	37.664	0.14	3.86
Mt. Lewis	3/31/86	La Honda	CA	4	-122.273	37.319	-0.68	4.68
Mt. Lewis	3/31/86	Lathrop	CA	4	-121.276	37.823	-0.31	4.31
Mt. Lewis	3/31/86	Loma Mar	CA	4	-122.308	37.271	-0.51	4.51
Mt. Lewis	3/31/86	Los Banos	CA	4	-120.849	37.058	0.05	3.95
Mt. Lewis	3/31/86	Manteca	CA	4	-121.215	37.798	-0.45	4.45
Mt. Lewis	3/31/86	Moffett Field Naval Air S	CA	4	-122.050	37.420	-0.82	4.82
Mt. Lewis	3/31/86	Montara	CA	4	-122.515	37.542	-0.40	4.40
Mt. Lewis	3/31/86	Moraga	CA	4	-122.129	37.835	-0.25	4.25
Mt. Lewis	3/31/86	Moss Beach	CA	4	-122.512	37.528	-0.23	4.23
Mt. Lewis	3/31/86	Mount Hermon	CA	4	-122.058	37.051	-0.38	4.38
Mt. Lewis	3/31/86	Napa	CA	4	-122.284	38.297	0.32	3.68

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Mt. Lewis	3/31/86	New Almaden	CA	4	-121.820	37.176	-1.39	5.39
Mt. Lewis	3/31/86	Nicasio	CA	4	-122.698	38.062	-0.43	4.43
Mt. Lewis	3/31/86	Oakland	CA	4	-122.270	37.804	-0.14	4.14
Mt. Lewis	3/31/86	Oakley	CA	4	-121.711	37.998	-0.48	4.48
Mt. Lewis	3/31/86	Olema	CA	4	-122.787	38.041	0.14	3.86
Mt. Lewis	3/31/86	Patterson	CA	4	-121.129	37.472	-0.34	4.34
Mt. Lewis	3/31/86	Pebble Beach	CA	4	-121.970	36.570	-0.44	4.44
Mt. Lewis	3/31/86	Pinecrest	CA	4	-119.990	38.189	1.29	2.71
Mt. Lewis	3/31/86	Placerville	CA	4	-120.798	38.730	0.06	3.94
Mt. Lewis	3/31/86	Port Costa	CA	4	-122.182	38.046	-0.33	4.33
Mt. Lewis	3/31/86	Redwood Estates	CA	4	-121.986	37.156	-0.41	4.41
Mt. Lewis	3/31/86	Rheem Valley	CA	4	-122.123	37.860	-0.52	4.52
Mt. Lewis	3/31/86	Rodeo	CA	4	-122.266	38.033	-0.03	4.03
Mt. Lewis	3/31/86	Ryde	CA	4	-121.559	38.239	-0.25	4.25
Mt. Lewis	3/31/86	Salida	CA	4	-121.084	37.706	0.12	3.88
Mt. Lewis	3/31/86	Salinas	CA	4	-121.654	36.678	-0.16	4.16
Mt. Lewis	3/31/86	San Bruno	CA	4	-122.410	37.631	-0.34	4.34
Mt. Lewis	3/31/86	San Carlos	CA	4	-122.259	37.507	-0.76	4.76
Mt. Lewis	3/31/86	San Francisco	CA	4	-122.418	37.775	1.18	2.82
Mt. Lewis	3/31/86	San Francisco Int'L. Airp	CA	4	-122.380	37.620	0.12	3.88
Mt. Lewis	3/31/86	San Gregorio	CA	4	-122.386	37.327	-0.05	4.05
Mt. Lewis	3/31/86	San Juan Bautista	CA	4	-121.537	36.846	-0.55	4.55
Mt. Lewis	3/31/86	San Leandro	CA	4	-122.155	37.725	-0.15	4.15
Mt. Lewis	3/31/86	San Lorenzo	CA	4	-122.123	37.681	-0.48	4.48
Mt. Lewis	3/31/86	San Martin	CA	4	-121.609	37.085	-0.23	4.23
Mt. Lewis	3/31/86	Santa Clara	CA	4	-121.954	37.354	-0.28	4.28
Mt. Lewis	3/31/86	Santa Cruz	CA	4	-122.030	36.974	-0.07	4.07
Mt. Lewis	3/31/86	Seaside	CA	4	-121.851	36.611	-0.62	4.62
Mt. Lewis	3/31/86	Sloughhouse	CA	4	-121.193	38.496	0.09	3.91
Mt. Lewis	3/31/86	Sonoma	CA	4	-122.457	38.292	-0.32	4.32
Mt. Lewis	3/31/86	South Dos Palos	CA	4	-120.652	36.964	-0.14	4.14
Mt. Lewis	3/31/86	Stevinson	CA	4	-120.851	37.328	-0.40	4.40
Mt. Lewis	3/31/86	Stinson Beach	CA	4	-122.643	37.901	-0.31	4.31
Mt. Lewis	3/31/86	Thornton	CA	4	-121.424	38.226	-0.51	4.51
Mt. Lewis	3/31/86	Tres Pinos	CA	4	-121.320	36.790	-0.95	4.95
Mt. Lewis	3/31/86	Turlock	CA	4	-120.846	37.495	0.35	3.65
Mt. Lewis	3/31/86	Walnut Grove	CA	4	-121.511	38.242	-0.05	4.05
Mt. Lewis	3/31/86	Waterford	CA	4	-120.759	37.641	-0.19	4.19
Mt. Lewis	3/31/86	Watsonville	CA	4	-121.756	36.910	0.18	3.82
Mt. Lewis	3/31/86	Atascadero	CA	3	-120.670	35.489	0.38	2.62
Mt. Lewis	3/31/86	Bethel Island	CA	3	-121.639	38.015	-0.37	3.37
Mt. Lewis	3/31/86	Big Sur	CA	3	-121.806	36.270	-0.51	3.51
Mt. Lewis	3/31/86	Bodega Bay	CA	3	-123.047	38.333	-0.04	3.04
Mt. Lewis	3/31/86	Chowchilla	CA	3	-120.259	37.123	-0.33	3.33
Mt. Lewis	3/31/86	Clements	CA	3	-121.087	38.191	-0.85	3.85
Mt. Lewis	3/31/86	Crockett	CA	3	-122.212	38.053	-0.62	3.62
Mt. Lewis	3/31/86	Delhi	CA	3	-120.778	37.432	-0.05	3.05

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Mt. Lewis	3/31/86	Dutch Flat	CA	3	-120.837	39.206	0.73	2.27
Mt. Lewis	3/31/86	Elk Grove	CA	3	-121.371	38.409	-0.23	3.23
Mt. Lewis	3/31/86	Fairfax	CA	3	-122.588	37.987	-0.48	3.48
Mt. Lewis	3/31/86	Foresthill	CA	3	-120.817	39.020	1.08	1.92
Mt. Lewis	3/31/86	Gold Run	CA	3	-120.855	39.181	0.93	2.07
Mt. Lewis	3/31/86	Jackson	CA	3	-120.773	38.349	0.01	2.99
Mt. Lewis	3/31/86	Le Grand	CA	3	-120.247	37.229	0.19	2.81
Mt. Lewis	3/31/86	Lockeford	CA	3	-121.149	38.164	-0.81	3.81
Mt. Lewis	3/31/86	Marina	CA	3	-121.801	36.684	-0.20	3.20
Mt. Lewis	3/31/86	Modesto	CA	3	-120.996	37.639	-0.39	3.39
Mt. Lewis	3/31/86	Moss Landing	CA	3	-121.786	36.804	-0.35	3.35
Mt. Lewis	3/31/86	Mountain Ranch	CA	3	-120.540	38.228	0.20	2.80
Mt. Lewis	3/31/86	Planada	CA	3	-120.318	37.291	-0.76	3.76
Mt. Lewis	3/31/86	Pollock Pines	CA	3	-120.586	38.761	0.51	2.49
Mt. Lewis	3/31/86	Rescue	CA	3	-120.950	38.710	0.31	2.69
Mt. Lewis	3/31/86	Rio Vista	CA	3	-121.690	38.156	-0.53	3.53
Mt. Lewis	3/31/86	Ripon	CA	3	-121.123	37.742	-0.16	3.16
Mt. Lewis	3/31/86	Rocklin	CA	3	-121.235	38.791	0.12	2.88
Mt. Lewis	3/31/86	Rohnert Park	CA	3	-122.700	38.340	0.04	2.96
Mt. Lewis	3/31/86	Santa Rita Park	CA	3	-120.594	37.048	-0.31	3.31
Mt. Lewis	3/31/86	Santa Rosa	CA	3	-122.713	38.441	0.41	2.59
Mt. Lewis	3/31/86	Sebastopol	CA	3	-122.823	38.402	0.03	2.97
Mt. Lewis	3/31/86	Snelling	CA	3	-120.436	37.519	-0.03	3.03
Mt. Lewis	3/31/86	South San Francisco	CA	3	-122.407	37.655	-0.44	3.44
Mt. Lewis	3/31/86	Tahoe City	CA	3	-120.138	39.172	1.16	1.84
Mt. Lewis	3/31/86	Travis Air Force Base	CA	3	-121.930	38.250	-0.84	3.84
Mt. Lewis	3/31/86	Tuolumne	CA	3	-120.236	37.961	0.14	2.86
Mt. Lewis	3/31/86	Vallejo	CA	3	-122.256	38.104	-0.12	3.12
Mt. Lewis	3/31/86	Vineburg	CA	3	-122.438	38.273	-0.66	3.66
Mt. Lewis	3/31/86	Wilseyville	CA	3	-120.514	38.379	0.82	2.18
Loma Prieta	10/18/89	Oakland (Nimitz Freeway I	CA	9	-122.288	37.817	2.72	6.28
Loma Prieta	10/18/89	S. F. (Highway 101\Fell S	CA	9	-122.423	37.772	2.74	6.26
Loma Prieta	10/18/89	S. F. (I-280 Near 7Th Str	CA	9	-122.397	37.772	2.72	6.28
Loma Prieta	10/18/89	S. F. (Marina District)	CA	9	-122.443	37.803	2.82	6.18
Loma Prieta	10/18/89	S. F. (The Embarcadero)	CA	9	-122.391	37.800	2.77	6.23
Loma Prieta	10/18/89	Boulder Creek	CA	8	-122.121	37.126	-0.47	8.47
Loma Prieta	10/18/89	Brookdale	CA	8	-122.105	37.106	-0.41	8.41
Loma Prieta	10/18/89	Corralitos	CA	8	-121.805	36.989	0.16	7.84
Loma Prieta	10/18/89	Glenwood	CA	8	-121.986	37.108	0.05	7.95
Loma Prieta	10/18/89	Hollister	CA	8	-121.401	36.853	0.11	7.89
Loma Prieta	10/18/89	Laurel	CA	8	-121.965	37.117	-0.35	8.35
Loma Prieta	10/18/89	Lompico	CA	8	-122.052	37.106	0.15	7.85

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Los Gatos	CA	8	-121.974	37.227	-0.28	8.28
Loma Prieta	10/18/89	Oakland (Hotel Oakland)	CA	8	-122.267	37.803	1.68	6.32
Loma Prieta	10/18/89	Oakland (Peralta Hospital)	CA	8	-122.264	37.820	1.71	6.29
Loma Prieta	10/18/89	Redwood Estates	CA	8	-121.986	37.156	-0.41	8.41
Loma Prieta	10/18/89	S. Cruz Mtns (Morrell Cut)	CA	8	-121.950	37.113	0.01	7.99
Loma Prieta	10/18/89	S. Cruz Mtns (Redwood Lod)	CA	8	-121.946	37.108	0.00	8.00
Loma Prieta	10/18/89	S. Cruz Mtns (Skyland Com)	CA	8	-121.932	37.107	-0.02	8.02
Loma Prieta	10/18/89	S. Cruz Mtns (Stetson Roa)	CA	8	-121.940	37.102	-0.02	8.02
Loma Prieta	10/18/89	S. Cruz Mtns (Villa Del M)	CA	8	-121.953	37.128	0.04	7.96
Loma Prieta	10/18/89	San Francisco	CA	8	-122.418	37.775	1.18	6.82
Loma Prieta	10/18/89	Santa Cruz	CA	8	-122.030	36.974	-0.07	8.07
Loma Prieta	10/18/89	Santa Cruz (loof Cemetery)	CA	8	-122.020	36.988	0.08	7.92
Loma Prieta	10/18/89	Scotts Valley (Bean Creek)	CA	8	-122.013	37.075	0.06	7.94
Loma Prieta	10/18/89	Scotts Valley (Jarvis Roa)	CA	8	-121.956	37.075	-0.04	8.04
Loma Prieta	10/18/89	Scotts Valley (Redwood Dr)	CA	8	-122.007	37.065	0.04	7.96
Loma Prieta	10/18/89	Soquel	CA	8	-121.956	36.988	-0.33	8.33
Loma Prieta	10/18/89	Watsonville	CA	8	-121.756	36.910	0.18	7.82
Loma Prieta	10/18/89	Zayante	CA	8	-122.043	37.092	0.12	7.88
Loma Prieta	10/18/89	Alameda Naval Air Station	CA	7	-122.320	37.790	0.69	6.31
Loma Prieta	10/18/89	Aldercroft Heights	CA	7	-121.968	37.161	-0.88	7.88
Loma Prieta	10/18/89	Aptos	CA	7	-121.898	36.977	-0.90	7.90
Loma Prieta	10/18/89	Aromas	CA	7	-121.642	36.889	-0.42	7.42
Loma Prieta	10/18/89	Belmont	CA	7	-122.275	37.520	-0.33	7.33
Loma Prieta	10/18/89	Ben Lomond	CA	7	-122.085	37.089	-1.15	8.15
Loma Prieta	10/18/89	Berkeley	CA	7	-122.272	37.872	-0.02	7.02
Loma Prieta	10/18/89	Brisbane	CA	7	-122.399	37.681	0.07	6.93
Loma Prieta	10/18/89	Burlingame	CA	7	-122.365	37.584	-0.04	7.04
Loma Prieta	10/18/89	Campbell	CA	7	-121.949	37.287	-0.80	7.80
Loma Prieta	10/18/89	Capitola	CA	7	-121.952	36.975	-0.50	7.50
Loma Prieta	10/18/89	Castro Valley	CA	7	-122.085	37.694	-0.43	7.43
Loma Prieta	10/18/89	Castroville	CA	7	-121.757	36.766	-0.54	7.54
Loma Prieta	10/18/89	Chemetka Park	CA	7	-121.980	37.163	-0.87	7.87
Loma Prieta	10/18/89	Davenport	CA	7	-122.191	37.012	-0.71	7.71
Loma Prieta	10/18/89	Emeryville	CA	7	-122.284	37.831	0.24	6.76
Loma Prieta	10/18/89	Felton	CA	7	-122.072	37.051	-0.53	7.53
Loma Prieta	10/18/89	Freedom	CA	7	-121.772	36.935	-0.84	7.84

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Gilroy	CA	7	-121.567	37.006	-0.08	7.08
Loma Prieta	10/18/89	Half Moon Bay	CA	7	-122.428	37.464	-0.22	7.22
Loma Prieta	10/18/89	Hillsborough	CA	7	-122.378	37.574	-0.58	7.58
Loma Prieta	10/18/89	Holy City	CA	7	-121.978	37.157	-0.50	7.50
Loma Prieta	10/18/89	La Honda	CA	7	-122.273	37.319	-0.68	7.68
Loma Prieta	10/18/89	Lake Elsmar Dam	CA	7	-121.930	37.128	-0.98	7.98
Loma Prieta	10/18/89	Loma Mar	CA	7	-122.308	37.271	-0.51	7.51
Loma Prieta	10/18/89	Los Altos	CA	7	-122.113	37.385	-0.16	7.16
Loma Prieta	10/18/89	Los Altos Hills (St. Joe.	CA	7	-122.136	37.380	-0.67	7.67
Loma Prieta	10/18/89	Menlo Park	CA	7	-122.181	37.454	-0.22	7.22
Loma Prieta	10/18/89	Millbrae	CA	7	-122.386	37.599	-0.10	7.10
Loma Prieta	10/18/89	Monte Sereno	CA	7	-121.991	37.236	-1.17	8.17
Loma Prieta	10/18/89	Morgan Hill	CA	7	-121.653	37.131	-0.67	7.67
Loma Prieta	10/18/89	Moss Landing	CA	7	-121.786	36.804	-0.35	7.35
Loma Prieta	10/18/89	Mount Hermon	CA	7	-122.058	37.051	-0.38	7.38
Loma Prieta	10/18/89	Oakland (100 9Th Street)	CA	7	-122.263	37.798	0.67	6.33
Loma Prieta	10/18/89	Oakland (13Th & Broadway)	CA	7	-122.271	37.803	0.68	6.32
Loma Prieta	10/18/89	Oakland (Amtrac Pass. Term.)	CA	7	-122.296	37.813	0.72	6.28
Loma Prieta	10/18/89	Oakland (Emporium Capwell)	CA	7	-122.268	37.808	0.69	6.31
Loma Prieta	10/18/89	Oakland (Sacred Heart Cathedral)	CA	7	-122.268	37.830	0.74	6.26
Loma Prieta	10/18/89	Oakland City Hall	CA	7	-122.271	37.805	0.69	6.31
Loma Prieta	10/18/89	Oakland International Airport	CA	7	-122.220	37.720	-0.03	7.03
Loma Prieta	10/18/89	Olympia	CA	7	-122.058	37.070	-0.87	7.87
Loma Prieta	10/18/89	Palo Alto	CA	7	-122.142	37.442	-0.72	7.72
Loma Prieta	10/18/89	Pasatiempo	CA	7	-122.025	37.004	-0.92	7.92
Loma Prieta	10/18/89	Pescadero	CA	7	-122.380	37.255	-0.17	7.17
Loma Prieta	10/18/89	Piedmont	CA	7	-122.231	37.824	-0.32	7.32
Loma Prieta	10/18/89	Port Of Oakland 7Th St. Term.	CA	7	-122.333	37.807	0.74	6.26
Loma Prieta	10/18/89	Rio Del Mar	CA	7	-121.899	36.968	-1.03	8.03
Loma Prieta	10/18/89	Robertsville	CA	7	-121.875	37.263	-0.69	7.69
Loma Prieta	10/18/89	S. Cruz Mtns (Loma Prieta	CA	7	-121.938	37.127	-0.98	7.98
Loma Prieta	10/18/89	S. F. (149 Montgomery Str	CA	7	-122.402	37.788	0.76	6.24
Loma Prieta	10/18/89	S. F. (6Th & Townsend)	CA	7	-122.400	37.777	0.73	6.27
Loma Prieta	10/18/89	S. F. (895 31St Avenue)	CA	7	-122.486	37.746	0.76	6.24
Loma Prieta	10/18/89	S. F. (8Th Ave & Moraga S	CA	7	-122.456	37.755	0.74	6.26

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	S. F. (Bernal Heights)	CA	7	-122.396	37.746	0.67	6.33
Loma Prieta	10/18/89	S. F. (Pacific Heights)	CA	7	-122.430	37.792	0.79	6.21
Loma Prieta	10/18/89	S. F. (Richmond District)	CA	7	-122.475	37.780	0.81	6.19
Loma Prieta	10/18/89	S. F. (St. Dominic Church	CA	7	-122.435	37.787	0.78	6.22
Loma Prieta	10/18/89	S. F. (U. S. Customs Hous	CA	7	-122.400	37.797	0.77	6.23
Loma Prieta	10/18/89	S. F. Candlestick Park St	CA	7	-122.385	37.713	0.59	6.41
Loma Prieta	10/18/89	S. F. Public Library	CA	7	-122.414	37.780	0.75	6.25
Loma Prieta	10/18/89	Salinas	CA	7	-121.654	36.678	-0.16	7.16
Loma Prieta	10/18/89	San Carlos	CA	7	-122.259	37.507	-0.76	7.76
Loma Prieta	10/18/89	San Francisco International Airport	CA	7	-122.380	37.620	0.12	6.88
Loma Prieta	10/18/89	San Gregorio	CA	7	-122.386	37.327	-0.05	7.05
Loma Prieta	10/18/89	San Jose (Willow Glen)	CA	7	-121.889	37.309	-0.59	7.59
Loma Prieta	10/18/89	San Leandro	CA	7	-122.155	37.725	-0.15	7.15
Loma Prieta	10/18/89	San Lorenzo	CA	7	-122.123	37.681	-0.48	7.48
Loma Prieta	10/18/89	San Martin	CA	7	-121.609	37.085	-0.23	7.23
Loma Prieta	10/18/89	San Mateo	CA	7	-122.324	37.563	-0.52	7.52
Loma Prieta	10/18/89	Santa Clara	CA	7	-121.954	37.354	-0.28	7.28
Loma Prieta	10/18/89	Santa Cruz (Graham Hill R	CA	7	-122.083	37.017	-0.82	7.82
Loma Prieta	10/18/89	Sausalito	CA	7	-122.484	37.859	-0.60	7.60
Loma Prieta	10/18/89	Scotts Valley	CA	7	-122.014	37.051	-0.50	7.50
Loma Prieta	10/18/89	Scotts Valley (El Rancho	CA	7	-122.025	37.025	-0.93	7.93
Loma Prieta	10/18/89	Scotts Valley (Ponderosa	CA	7	-122.037	37.025	-0.91	7.91
Loma Prieta	10/18/89	Southern Scotts Valley	CA	7	-122.033	37.042	-0.92	7.92
Loma Prieta	10/18/89	Stanford	CA	7	-122.167	37.443	-0.55	7.55
Loma Prieta	10/18/89	Sunnyvale	CA	7	-122.035	37.369	-0.72	7.72
Loma Prieta	10/18/89	Woodside	CA	7	-122.253	37.430	-0.08	7.08
Loma Prieta	10/18/89	Alamo	CA	6	-122.031	37.850	-0.29	6.29
Loma Prieta	10/18/89	Antioch	CA	6	-121.805	38.005	-0.36	6.36
Loma Prieta	10/18/89	Benicia	CA	6	-122.158	38.049	-0.47	6.47
Loma Prieta	10/18/89	Big Sur	CA	6	-121.806	36.270	-0.51	6.51
Loma Prieta	10/18/89	Bolinas	CA	6	-122.685	37.909	0.39	5.61
Loma Prieta	10/18/89	Bonny Doon	CA	6	-122.150	37.040	-1.71	7.71
Loma Prieta	10/18/89	Calistoga	CA	6	-122.579	38.579	-0.10	6.10
Loma Prieta	10/18/89	Carmel Valley	CA	6	-121.731	36.480	-0.62	6.62
Loma Prieta	10/18/89	Carmel-By-The-Sea	CA	6	-121.922	36.555	-1.09	7.09
Loma Prieta	10/18/89	Ceres	CA	6	-120.957	37.595	-0.37	6.37
Loma Prieta	10/18/89	Chualar	CA	6	-121.518	36.571	-0.28	6.28
Loma Prieta	10/18/89	Corte Madera	CA	6	-122.526	37.926	-0.58	6.58

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Coyote	CA	6	-121.739	37.217	-0.69	6.69
Loma Prieta	10/18/89	Cupertino	CA	6	-122.031	37.323	-0.93	6.93
Loma Prieta	10/18/89	Daly City	CA	6	-122.461	37.706	0.17	5.83
Loma Prieta	10/18/89	Danville	CA	6	-121.999	37.822	-0.24	6.24
Loma Prieta	10/18/89	Del Rey Oaks	CA	6	-121.834	36.593	-1.18	7.18
Loma Prieta	10/18/89	Delhi	CA	6	-120.778	37.432	-0.05	6.05
Loma Prieta	10/18/89	Diablo	CA	6	-121.957	37.835	-0.85	6.85
Loma Prieta	10/18/89	Dublin	CA	6	-121.935	37.702	-0.08	6.08
Loma Prieta	10/18/89	El Cerrito	CA	6	-122.311	37.916	-0.37	6.37
Loma Prieta	10/18/89	El Sobrante	CA	6	-122.294	37.977	0.04	5.96
Loma Prieta	10/18/89	Forest Knolls	CA	6	-122.688	38.015	0.27	5.73
Loma Prieta	10/18/89	Fort Ord	CA	6	-121.800	36.660	-0.44	6.44
Loma Prieta	10/18/89	Foster City	CA	6	-122.270	37.559	-0.31	6.31
Loma Prieta	10/18/89	Glen Ellen	CA	6	-122.523	38.364	0.38	5.62
Loma Prieta	10/18/89	Gonzales	CA	6	-121.443	36.507	-1.02	7.02
Loma Prieta	10/18/89	Greenfield	CA	6	-121.243	36.321	-0.28	6.28
Loma Prieta	10/18/89	Guerneville	CA	6	-122.995	38.502	1.02	4.98
Loma Prieta	10/18/89	Gustine	CA	6	-120.998	37.258	-0.32	6.32
Loma Prieta	10/18/89	Hayward	CA	6	-122.080	37.669	-0.36	6.36
Loma Prieta	10/18/89	Isleton	CA	6	-121.611	38.162	0.00	6.00
Loma Prieta	10/18/89	Kaiser-Santa Clara Hospit	CA	6	-121.979	37.340	-1.49	7.49
Loma Prieta	10/18/89	King City	CA	6	-121.125	36.213	-0.43	6.43
Loma Prieta	10/18/89	Lafayette	CA	6	-122.117	37.886	-0.19	6.19
Loma Prieta	10/18/89	Lawrence-Livermore Nat. L	CA	6	-121.708	37.683	-0.70	6.70
Loma Prieta	10/18/89	Livermore	CA	6	-121.767	37.682	0.05	5.95
Loma Prieta	10/18/89	Livingston	CA	6	-120.723	37.387	0.48	5.52
Loma Prieta	10/18/89	Los Banos	CA	6	-120.849	37.058	0.05	5.95
Loma Prieta	10/18/89	Manteca	CA	6	-121.215	37.798	-0.45	6.45
Loma Prieta	10/18/89	Mare Island Navy Yard	CA	6	-122.260	38.140	0.41	5.59
Loma Prieta	10/18/89	Marina	CA	6	-121.801	36.684	-0.20	6.20
Loma Prieta	10/18/89	Mcclellan Air Force Base	CA	6	-121.400	38.670	1.63	4.37
Loma Prieta	10/18/89	Mill Valley	CA	6	-122.544	37.906	-0.13	6.13
Loma Prieta	10/18/89	Milpitas	CA	6	-121.906	37.428	-0.47	6.47
Loma Prieta	10/18/89	Moffett Field Naval Air S	CA	6	-122.050	37.420	-0.82	6.82
Loma Prieta	10/18/89	Montara	CA	6	-122.515	37.542	-0.40	6.40
Loma Prieta	10/18/89	Monterey	CA	6	-121.894	36.600	-0.16	6.16
Loma Prieta	10/18/89	Moraga	CA	6	-122.129	37.835	-0.25	6.25
Loma Prieta	10/18/89	Moss Beach	CA	6	-122.512	37.528	-0.23	6.23
Loma Prieta	10/18/89	Mountain View	CA	6	-122.083	37.386	-0.60	6.60
Loma Prieta	10/18/89	Napa	CA	6	-122.284	38.297	0.32	5.68
Loma Prieta	10/18/89	New Almaden	CA	6	-121.820	37.176	-1.39	7.39
Loma Prieta	10/18/89	Newark	CA	6	-122.039	37.530	-0.63	6.63
Loma Prieta	10/18/89	Newman	CA	6	-121.020	37.314	-0.43	6.43

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Novato	CA	6	-122.569	38.108	0.73	5.27
Loma Prieta	10/18/89	Oakland Museum	CA	6	-122.263	37.798	-0.33	6.33
Loma Prieta	10/18/89	Oakland Sports Coliseum A	CA	6	-122.200	37.750	-0.48	6.48
Loma Prieta	10/18/89	Orinda	CA	6	-122.179	37.877	-0.32	6.32
Loma Prieta	10/18/89	Pacifica	CA	6	-122.486	37.614	-0.23	6.23
Loma Prieta	10/18/89	Parkway	CA	6	-121.458	38.496	0.85	5.15
Loma Prieta	10/18/89	Pinole	CA	6	-122.298	38.004	0.36	5.64
Loma Prieta	10/18/89	Pleasanton	CA	6	-121.874	37.663	-0.42	6.42
Loma Prieta	10/18/89	Portola Valley	CA	6	-122.234	37.384	-1.02	7.02
Loma Prieta	10/18/89	Redwood City	CA	6	-122.235	37.485	-0.29	6.29
Loma Prieta	10/18/89	Richmond	CA	6	-122.347	37.936	-0.04	6.04
Loma Prieta	10/18/89	Rodeo	CA	6	-122.266	38.033	-0.03	6.03
Loma Prieta	10/18/89	Rutherford	CA	6	-122.421	38.459	1.19	4.81
Loma Prieta	10/18/89	San Anselmo	CA	6	-122.561	37.975	-0.71	6.71
Loma Prieta	10/18/89	San Bruno	CA	6	-122.410	37.631	-0.34	6.34
Loma Prieta	10/18/89	San Joaquin	CA	6	-120.188	36.607	-0.43	6.43
Loma Prieta	10/18/89	San Jose (Alexian Bros. H	CA	6	-121.848	37.358	-1.47	7.47
Loma Prieta	10/18/89	San Jose (K-Mart Blossom	CA	6	-121.860	37.253	-1.71	7.71
Loma Prieta	10/18/89	San Jose (Kaiser-Sta Tere	CA	6	-121.791	37.238	-1.72	7.72
Loma Prieta	10/18/89	San Jose (Lucky'S Groc St	CA	6	-121.978	37.303	-1.57	7.57
Loma Prieta	10/18/89	San Jose (O'Connor Hospit	CA	6	-121.938	37.328	-1.53	7.53
Loma Prieta	10/18/89	San Jose (Senter Road)	CA	6	-121.833	37.292	-1.62	7.62
Loma Prieta	10/18/89	San Juan Bautista	CA	6	-121.537	36.846	-0.55	6.55
Loma Prieta	10/18/89	San Pablo	CA	6	-122.344	37.962	0.47	5.53
Loma Prieta	10/18/89	San Quentin	CA	6	-122.484	37.941	-0.83	6.83
Loma Prieta	10/18/89	San Rafael	CA	6	-122.530	37.974	-0.14	6.14
Loma Prieta	10/18/89	San Ramon	CA	6	-121.977	37.780	-0.20	6.20
Loma Prieta	10/18/89	Saratoga	CA	6	-122.022	37.264	-1.04	7.04
Loma Prieta	10/18/89	Seaside	CA	6	-121.851	36.611	-0.62	6.62
Loma Prieta	10/18/89	Soledad	CA	6	-121.325	36.425	-0.16	6.16
Loma Prieta	10/18/89	Sonoma	CA	6	-122.457	38.292	-0.32	6.32
Loma Prieta	10/18/89	South San Francisco	CA	6	-122.407	37.655	-0.44	6.44
Loma Prieta	10/18/89	Stevinson	CA	6	-120.851	37.328	-0.40	6.40
Loma Prieta	10/18/89	Stonestown	CA	6	-122.478	37.728	-0.29	6.29
Loma Prieta	10/18/89	Tiburon	CA	6	-122.456	37.874	0.00	6.00
Loma Prieta	10/18/89	Tracy	CA	6	-121.424	37.740	-0.42	6.42
Loma Prieta	10/18/89	Tres Pinos	CA	6	-121.320	36.790	-0.95	6.95
Loma Prieta	10/18/89	Union City	CA	6	-122.080	37.600	-0.82	6.82
Loma Prieta	10/18/89	Vallejo	CA	6	-122.256	38.104	-0.12	6.12
Loma Prieta	10/18/89	Vernalis	CA	6	-121.286	37.631	0.06	5.94
Loma Prieta	10/18/89	Walnut Creek	CA	6	-122.064	37.906	-0.03	6.03

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Woodacre	CA	6	-122.644	38.013	0.24	5.76
Loma Prieta	10/18/89	Alviso	CA	5	-121.974	37.426	-1.27	6.27
Loma Prieta	10/18/89	Atwater	CA	5	-120.608	37.348	0.05	4.95
Loma Prieta	10/18/89	Ballico	CA	5	-120.705	37.454	-0.12	5.12
Loma Prieta	10/18/89	Banta	CA	5	-121.370	37.754	1.46	3.54
Loma Prieta	10/18/89	Bethel Island	CA	5	-121.639	38.015	-0.37	5.37
Loma Prieta	10/18/89	Birds Landing	CA	5	-121.870	38.133	-0.70	5.70
Loma Prieta	10/18/89	Bodega	CA	5	-122.973	38.345	-0.27	5.27
Loma Prieta	10/18/89	Bodega Bay	CA	5	-123.047	38.333	-0.04	5.04
Loma Prieta	10/18/89	Boyes Hot Springs	CA	5	-122.481	38.314	-0.25	5.25
Loma Prieta	10/18/89	Brentwood	CA	5	-121.695	37.932	-0.37	5.37
Loma Prieta	10/18/89	Brooks	CA	5	-122.147	38.742	0.48	4.52
Loma Prieta	10/18/89	Byron	CA	5	-121.637	37.867	-0.40	5.40
Loma Prieta	10/18/89	Camp Meeker	CA	5	-122.958	38.425	0.52	4.48
Loma Prieta	10/18/89	Carmichael	CA	5	-121.327	38.617	-0.11	5.11
Loma Prieta	10/18/89	Cazadero	CA	5	-123.084	38.533	0.85	4.15
Loma Prieta	10/18/89	Cold Springs	CA	5	-120.052	38.163	1.00	4.00
Loma Prieta	10/18/89	Concord	CA	5	-122.030	37.978	-0.72	5.72
Loma Prieta	10/18/89	Crockett	CA	5	-122.212	38.053	-0.62	5.62
Loma Prieta	10/18/89	Del Rey	CA	5	-119.593	36.659	0.11	4.89
Loma Prieta	10/18/89	Denair	CA	5	-120.796	37.526	0.23	4.77
Loma Prieta	10/18/89	Dillon Beach	CA	5	-122.964	38.251	0.22	4.78
Loma Prieta	10/18/89	Dos Palos	CA	5	-120.626	36.986	0.20	4.80
Loma Prieta	10/18/89	Duncans Mills	CA	5	-123.054	38.454	0.67	4.33
Loma Prieta	10/18/89	El Macero	CA	5	-121.693	38.547	0.26	4.74
Loma Prieta	10/18/89	Escalon	CA	5	-120.996	37.798	-0.67	5.67
Loma Prieta	10/18/89	Esparto	CA	5	-122.016	38.692	-0.09	5.09
Loma Prieta	10/18/89	Fairfax	CA	5	-122.588	37.987	-0.48	5.48
Loma Prieta	10/18/89	Fairfield	CA	5	-122.039	38.249	-0.14	5.14
Loma Prieta	10/18/89	Farmington	CA	5	-120.999	37.930	0.04	4.96
Loma Prieta	10/18/89	Firebaugh	CA	5	-120.455	36.859	-0.02	5.02
Loma Prieta	10/18/89	Forestville	CA	5	-122.889	38.474	0.05	4.95
Loma Prieta	10/18/89	French Camp	CA	5	-121.270	37.884	-0.18	5.18
Loma Prieta	10/18/89	Fulton	CA	5	-122.769	38.496	0.44	4.56
Loma Prieta	10/18/89	Glencoe	CA	5	-120.584	38.354	0.77	4.23
Loma Prieta	10/18/89	Gold Run	CA	5	-120.855	39.181	0.93	4.07
Loma Prieta	10/18/89	Hercules	CA	5	-122.288	38.017	-0.48	5.48
Loma Prieta	10/18/89	Hickman	CA	5	-120.753	37.624	-0.12	5.12
Loma Prieta	10/18/89	Holt	CA	5	-121.426	37.934	-0.63	5.63
Loma Prieta	10/18/89	Hughson	CA	5	-120.865	37.597	-0.27	5.27
Loma Prieta	10/18/89	Huron	CA	5	-120.102	36.203	-0.05	5.05
Loma Prieta	10/18/89	Imola	CA	5	-122.279	38.279	-0.28	5.28
Loma Prieta	10/18/89	Jenner	CA	5	-123.114	38.450	0.72	4.28
Loma Prieta	10/18/89	Kenwood	CA	5	-122.545	38.414	0.03	4.97
Loma Prieta	10/18/89	Kettleman City	CA	5	-119.961	36.008	0.40	4.60
Loma Prieta	10/18/89	Keyes	CA	5	-120.914	37.557	-0.24	5.24
Loma Prieta	10/18/89	Knights Landing	CA	5	-121.717	38.800	0.52	4.48
Loma Prieta	10/18/89	Knightsen	CA	5	-121.667	37.969	-0.41	5.41

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Lagunitas	CA	5	-122.701	38.011	0.48	4.52
Loma Prieta	10/18/89	Larkspur	CA	5	-122.512	37.938	-0.83	5.83
Loma Prieta	10/18/89	Lathrop	CA	5	-121.276	37.823	-0.31	5.31
Loma Prieta	10/18/89	Lemoore	CA	5	-119.782	36.301	0.50	4.50
Loma Prieta	10/18/89	Lockwood	CA	5	-121.081	35.937	-0.99	5.99
Loma Prieta	10/18/89	Lodi	CA	5	-121.271	38.130	0.01	4.99
Loma Prieta	10/18/89	Manchester	CA	5	-123.687	38.970	2.29	2.71
Loma Prieta	10/18/89	Marshall	CA	5	-122.893	38.161	-0.50	5.50
Loma Prieta	10/18/89	Merced	CA	5	-120.482	37.302	0.37	4.63
Loma Prieta	10/18/89	Middletown	CA	5	-122.614	38.753	0.93	4.07
Loma Prieta	10/18/89	Modesto	CA	5	-120.996	37.639	-0.39	5.39
Loma Prieta	10/18/89	Nicasio	CA	5	-122.698	38.062	-0.43	5.43
Loma Prieta	10/18/89	Oakdale	CA	5	-120.846	37.767	-0.12	5.12
Loma Prieta	10/18/89	Oakley	CA	5	-121.711	37.998	-0.48	5.48
Loma Prieta	10/18/89	Olema	CA	5	-122.787	38.041	0.14	4.86
Loma Prieta	10/18/89	Parlier	CA	5	-119.526	36.612	1.28	3.72
Loma Prieta	10/18/89	Patterson	CA	5	-121.129	37.472	-0.34	5.34
Loma Prieta	10/18/89	Penngrove	CA	5	-122.666	38.300	0.45	4.55
Loma Prieta	10/18/89	Petaluma	CA	5	-122.636	38.233	0.40	4.60
Loma Prieta	10/18/89	Pinedale	CA	5	-119.789	36.843	0.25	4.75
Loma Prieta	10/18/89	Pittsburg	CA	5	-121.884	38.028	0.17	4.83
Loma Prieta	10/18/89	Pittsburg (Shore Acres)	CA	5	-121.964	38.036	-0.92	5.92
Loma Prieta	10/18/89	Planada	CA	5	-120.318	37.291	-0.76	5.76
Loma Prieta	10/18/89	Pleasant Hill	CA	5	-122.060	37.948	-0.84	5.84
Loma Prieta	10/18/89	Point Reyes Station	CA	5	-122.806	38.069	0.71	4.29
Loma Prieta	10/18/89	Pope Valley	CA	5	-122.427	38.615	0.53	4.47
Loma Prieta	10/18/89	Port Costa	CA	5	-122.182	38.046	-0.33	5.33
Loma Prieta	10/18/89	Reedley	CA	5	-119.449	36.596	0.67	4.33
Loma Prieta	10/18/89	Rio Vista	CA	5	-121.690	38.156	-0.53	5.53
Loma Prieta	10/18/89	Ripon	CA	5	-121.123	37.742	-0.16	5.16
Loma Prieta	10/18/89	Riverbank	CA	5	-120.934	37.736	-0.08	5.08
Loma Prieta	10/18/89	Robbins	CA	5	-121.705	38.870	0.35	4.65
Loma Prieta	10/18/89	Rohnert Park	CA	5	-122.700	38.340	0.04	4.96
Loma Prieta	10/18/89	Sacramento	CA	5	-121.493	38.582	0.86	4.14
Loma Prieta	10/18/89	Saint Helena	CA	5	-122.469	38.505	-0.20	5.20
Loma Prieta	10/18/89	Salida	CA	5	-121.084	37.706	0.12	4.88
Loma Prieta	10/18/89	San Ardo	CA	5	-120.904	36.021	0.00	5.00
Loma Prieta	10/18/89	San Lucas	CA	5	-121.019	36.129	-0.41	5.41
Loma Prieta	10/18/89	San Luis Obispo	CA	5	-120.659	35.283	0.17	4.83
Loma Prieta	10/18/89	San Miguel	CA	5	-120.695	35.753	-0.09	5.09
Loma Prieta	10/18/89	Santa Rosa	CA	5	-122.713	38.441	0.41	4.59
Loma Prieta	10/18/89	Sebastopol	CA	5	-122.823	38.402	0.03	4.97
Loma Prieta	10/18/89	South Lake Tahoe	CA	5	-119.983	38.933	1.46	3.54
Loma Prieta	10/18/89	Stinson Beach	CA	5	-122.643	37.901	-0.31	5.31
Loma Prieta	10/18/89	Travis Air Force Base	CA	5	-121.930	38.250	-0.84	5.84
Loma Prieta	10/18/89	Turlock	CA	5	-120.846	37.495	0.35	4.65
Loma Prieta	10/18/89	Vacaville	CA	5	-121.987	38.357	-0.15	5.15

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Valley Ford	CA	5	-122.923	38.318	0.28	4.72
Loma Prieta	10/18/89	Valley Home	CA	5	-120.911	37.829	-0.32	5.32
Loma Prieta	10/18/89	Villa Grande	CA	5	-123.024	38.473	0.76	4.24
Loma Prieta	10/18/89	Waukena	CA	5	-119.509	36.139	0.38	4.62
Loma Prieta	10/18/89	Westley	CA	5	-121.198	37.549	-1.02	6.02
Loma Prieta	10/18/89	Windsor	CA	5	-122.815	38.547	0.12	4.88
Loma Prieta	10/18/89	Winton	CA	5	-120.612	37.389	-0.47	5.47
Loma Prieta	10/18/89	Yetter	CA	5	-119.259	36.486	0.56	4.44
Loma Prieta	10/18/89	Yountville	CA	5	-122.360	38.402	-0.32	5.32
Loma Prieta	10/18/89	Acampo	CA	4	-121.278	38.175	-0.62	4.62
Loma Prieta	10/18/89	Alta	CA	4	-120.810	39.207	1.08	2.92
Loma Prieta	10/18/89	Angwin	CA	4	-122.449	38.576	-0.54	4.54
Loma Prieta	10/18/89	Applegate	CA	4	-120.991	39.001	0.14	3.86
Loma Prieta	10/18/89	Armona	CA	4	-119.708	36.316	-0.24	4.24
Loma Prieta	10/18/89	Arroyo Grande	CA	4	-120.590	35.119	0.39	3.61
Loma Prieta	10/18/89	Artois	CA	4	-122.193	39.620	0.62	3.38
Loma Prieta	10/18/89	Atascadero	CA	4	-120.670	35.489	0.38	3.62
Loma Prieta	10/18/89	Avenal	CA	4	-120.128	36.004	0.21	3.79
Loma Prieta	10/18/89	Avila Beach	CA	4	-120.731	35.180	0.84	3.16
Loma Prieta	10/18/89	Big Creek	CA	4	-119.245	37.205	0.64	3.36
Loma Prieta	10/18/89	Biola	CA	4	-120.015	36.802	-0.08	4.08
Loma Prieta	10/18/89	Bishop	CA	4	-118.394	37.364	2.64	1.36
Loma Prieta	10/18/89	Bradley	CA	4	-120.800	35.863	-0.98	4.98
Loma Prieta	10/18/89	Broderick	CA	4	-121.516	38.591	0.28	3.72
Loma Prieta	10/18/89	Bryte	CA	4	-121.541	38.595	-0.07	4.17
Loma Prieta	10/18/89	Buttonwillow	CA	4	-119.469	35.401	0.00	3.43
Loma Prieta	10/18/89	Carnelian Bay	CA	4	-120.081	39.227	1.04	2.36
Loma Prieta	10/18/89	Carson City	NV	4	-119.766	39.164	1.92	2.08
Loma Prieta	10/18/89	Caruthers	CA	4	-119.832	36.543	-0.03	4.03
Loma Prieta	10/18/89	Castle Air Force Base	CA	4	-120.570	37.380	0.03	3.97
Loma Prieta	10/18/89	Catheys Valley	CA	4	-120.097	37.433	-0.77	4.77
Loma Prieta	10/18/89	Cayucos	CA	4	-120.891	35.443	-0.73	4.73
Loma Prieta	10/18/89	Cedar Ridge	CA	4	-121.020	39.199	1.13	2.87
Loma Prieta	10/18/89	Cholame	CA	4	-120.296	35.724	-0.18	4.18
Loma Prieta	10/18/89	Chowchilla	CA	4	-120.259	37.123	-0.33	4.33
Loma Prieta	10/18/89	Clarksburg	CA	4	-121.526	38.421	0.10	3.90
Loma Prieta	10/18/89	Cloverdale	CA	4	-123.016	38.806	0.33	3.67
Loma Prieta	10/18/89	Clovis	CA	4	-119.702	36.825	0.54	3.46
Loma Prieta	10/18/89	Coalinga	CA	4	-120.359	36.140	0.29	3.71
Loma Prieta	10/18/89	Coarsegold	CA	4	-119.700	37.262	-0.30	4.30
Loma Prieta	10/18/89	Cobb	CA	4	-122.722	38.822	0.15	3.85
Loma Prieta	10/18/89	Corcoran	CA	4	-119.559	36.098	0.16	3.84
Loma Prieta	10/18/89	Courtland	CA	4	-121.568	38.331	-0.15	4.15
Loma Prieta	10/18/89	Cressey	CA	4	-120.666	37.420	-0.16	4.16
Loma Prieta	10/18/89	Creston	CA	4	-120.523	35.519	-0.29	4.29
Loma Prieta	10/18/89	Crows Landing	CA	4	-121.071	37.394	-0.58	4.58
Loma Prieta	10/18/89	Cutler	CA	4	-119.286	36.523	-0.20	4.20
Loma Prieta	10/18/89	Davis	CA	4	-121.739	38.545	-0.63	4.63

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Dixon	CA	4	-121.822	38.446	-0.15	4.15
Loma Prieta	10/18/89	Dunnigan	CA	4	-121.969	38.885	0.51	3.49
Loma Prieta	10/18/89	Dutch Flat	CA	4	-120.837	39.206	0.73	3.27
Loma Prieta	10/18/89	Elk Grove	CA	4	-121.371	38.409	-0.23	4.23
Loma Prieta	10/18/89	Elverta	CA	4	-121.462	38.714	0.55	3.45
Loma Prieta	10/18/89	Fallon	NV	4	-118.776	39.474	3.69	0.31
Loma Prieta	10/18/89	Fallon Naval Air Station	NV	4	-118.690	39.420	3.72	0.28
Loma Prieta	10/18/89	Fellows	CA	4	-119.540	35.179	0.35	3.65
Loma Prieta	10/18/89	Fiddletown	CA	4	-120.754	38.504	-0.20	4.20
Loma Prieta	10/18/89	Fig Garden Village	CA	4	-119.860	36.820	-0.46	4.46
Loma Prieta	10/18/89	Finley	CA	4	-122.874	39.004	1.54	2.46
Loma Prieta	10/18/89	Foresthill	CA	4	-120.817	39.020	1.08	2.92
Loma Prieta	10/18/89	Fowler	CA	4	-119.678	36.631	-0.09	4.09
Loma Prieta	10/18/89	Friant	CA	4	-119.711	36.988	0.49	3.51
Loma Prieta	10/18/89	Galt	CA	4	-121.299	38.255	-0.72	4.72
Loma Prieta	10/18/89	Genoa	NV	4	-119.846	39.004	2.05	1.95
Loma Prieta	10/18/89	Georgetown	CA	4	-120.838	38.907	0.56	3.44
Loma Prieta	10/18/89	Goleta	CA	4	-119.827	34.436	0.77	3.23
Loma Prieta	10/18/89	Graton	CA	4	-122.869	38.436	0.08	3.92
Loma Prieta	10/18/89	Guadalupe	CA	4	-120.571	34.972	0.39	3.61
Loma Prieta	10/18/89	Hathaway Pines	CA	4	-120.364	38.192	0.42	3.58
Loma Prieta	10/18/89	Helm	CA	4	-120.097	36.532	-0.49	4.49
Loma Prieta	10/18/89	Herald	CA	4	-121.243	38.296	-0.46	4.46
Loma Prieta	10/18/89	Homewood	CA	4	-120.159	39.087	1.20	2.80
Loma Prieta	10/18/89	Hood	CA	4	-121.516	38.368	-0.66	4.66
Loma Prieta	10/18/89	Hopland	CA	4	-123.115	38.973	0.75	3.25
Loma Prieta	10/18/89	Hornitos	CA	4	-120.237	37.502	0.20	3.80
Loma Prieta	10/18/89	Incline Village	NV	4	-119.972	39.251	1.92	2.08
Loma Prieta	10/18/89	Kelseyville	CA	4	-122.838	38.978	0.56	3.44
Loma Prieta	10/18/89	Kirkwood	CA	4	-120.072	38.703	0.82	3.18
Loma Prieta	10/18/89	Knights Ferry	CA	4	-120.671	37.820	-1.04	5.04
Loma Prieta	10/18/89	Lemoore Naval Air Station	CA	4	-119.930	36.300	-0.11	4.11
Loma Prieta	10/18/89	Linden	CA	4	-121.083	38.021	-0.94	4.94
Loma Prieta	10/18/89	Lindsay	CA	4	-119.087	36.203	0.47	3.53
Loma Prieta	10/18/89	Loch Lomond	CA	4	-122.718	38.863	0.24	3.76
Loma Prieta	10/18/89	Lockeford	CA	4	-121.149	38.164	-0.81	4.81
Loma Prieta	10/18/89	Lone Pine	CA	4	-118.062	36.606	1.72	2.28
Loma Prieta	10/18/89	Los Alamos	CA	4	-120.277	34.744	1.00	3.00
Loma Prieta	10/18/89	Los Osos	CA	4	-120.831	35.311	-0.11	4.11
Loma Prieta	10/18/89	Lower Lake	CA	4	-122.609	38.911	0.27	3.73
Loma Prieta	10/18/89	Madera	CA	4	-120.060	36.961	-0.03	4.03
Loma Prieta	10/18/89	Madison	CA	4	-121.967	38.679	-0.16	4.16
Loma Prieta	10/18/89	Mather Air Force Base	CA	4	-121.300	38.560	0.67	3.33
Loma Prieta	10/18/89	Mendota	CA	4	-120.381	36.754	-0.96	4.96
Loma Prieta	10/18/89	Minden	NV	4	-119.765	38.954	1.49	2.51
Loma Prieta	10/18/89	Mokelumne Hill	CA	4	-120.705	38.301	-0.65	4.65

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Monte Rio	CA	4	-123.008	38.466	-0.37	4.37
Loma Prieta	10/18/89	Morro Bay	CA	4	-120.849	35.366	-0.20	4.20
Loma Prieta	10/18/89	Mountain Ranch	CA	4	-120.540	38.228	0.20	3.80
Loma Prieta	10/18/89	Newhall	CA	4	-118.530	34.385	2.34	1.66
Loma Prieta	10/18/89	Oakville	CA	4	-122.401	38.437	-0.94	4.94
Loma Prieta	10/18/89	Orosi	CA	4	-119.286	36.545	0.25	3.75
Loma Prieta	10/18/89	Paso Robles	CA	4	-120.690	35.627	-0.16	4.16
Loma Prieta	10/18/89	Pixley	CA	4	-119.291	35.969	0.94	3.06
Loma Prieta	10/18/89	Pleasant Grove	CA	4	-121.483	38.824	-0.03	4.03
Loma Prieta	10/18/89	Plymouth	CA	4	-120.844	38.482	-0.41	4.41
Loma Prieta	10/18/89	Point Arena	CA	4	-123.692	38.909	1.23	2.77
Loma Prieta	10/18/89	Prather	CA	4	-119.513	37.038	-0.48	4.48
Loma Prieta	10/18/89	Princeton	CA	4	-122.009	39.403	0.17	3.83
Loma Prieta	10/18/89	Reno	NV	4	-119.813	39.530	2.01	1.99
Loma Prieta	10/18/89	Riverdale	CA	4	-119.859	36.431	-0.29	4.29
Loma Prieta	10/18/89	Rumsey	CA	4	-122.236	38.888	0.08	3.92
Loma Prieta	10/18/89	Ryde	CA	4	-121.559	38.239	-0.25	4.25
Loma Prieta	10/18/89	San Andreas	CA	4	-120.679	38.196	-0.65	4.65
Loma Prieta	10/18/89	Sanger	CA	4	-119.555	36.708	-0.63	4.63
Loma Prieta	10/18/89	Santa Barbara	CA	4	-119.697	34.421	0.92	3.08
Loma Prieta	10/18/89	Santa Margarita	CA	4	-120.608	35.390	-0.41	4.41
Loma Prieta	10/18/89	Santa Maria	CA	4	-120.435	34.953	-0.15	4.15
Loma Prieta	10/18/89	Selma	CA	4	-119.611	36.571	0.10	3.90
Loma Prieta	10/18/89	Shandon	CA	4	-120.374	35.655	-0.09	4.09
Loma Prieta	10/18/89	Sierraville	CA	4	-120.366	39.590	3.43	0.57
Loma Prieta	10/18/89	Smith	NV	4	-119.326	38.801	1.52	2.48
Loma Prieta	10/18/89	Snelling	CA	4	-120.436	37.519	-0.03	4.03
Loma Prieta	10/18/89	Sonora	CA	4	-120.381	37.984	-0.10	4.10
Loma Prieta	10/18/89	Soulsbyville	CA	4	-120.263	37.985	-0.83	4.83
Loma Prieta	10/18/89	Stratford	CA	4	-119.822	36.189	0.47	3.53
Loma Prieta	10/18/89	Strawberry Valley	CA	4	-121.106	39.564	0.63	3.37
Loma Prieta	10/18/89	Tahoe City	CA	4	-120.138	39.172	1.16	2.84
Loma Prieta	10/18/89	Templeton	CA	4	-120.705	35.550	0.10	3.90
Loma Prieta	10/18/89	Thornton	CA	4	-121.424	38.226	-0.51	4.51
Loma Prieta	10/18/89	Tomales	CA	4	-122.904	38.246	-0.84	4.84
Loma Prieta	10/18/89	Tranquillity	CA	4	-120.252	36.649	-0.48	4.48
Loma Prieta	10/18/89	Twain Harte	CA	4	-120.232	38.040	0.41	3.59
Loma Prieta	10/18/89	Ukiah	CA	4	-123.207	39.150	1.19	2.81
Loma Prieta	10/18/89	Victor	CA	4	-121.205	38.138	-0.68	4.68
Loma Prieta	10/18/89	Vineburg	CA	4	-122.438	38.273	-0.66	4.66
Loma Prieta	10/18/89	Wallace	CA	4	-120.977	38.194	0.25	3.75
Loma Prieta	10/18/89	Walnut Grove	CA	4	-121.511	38.242	-0.05	4.05
Loma Prieta	10/18/89	West Point	CA	4	-120.526	38.399	0.11	3.89
Loma Prieta	10/18/89	West Sacramento	CA	4	-121.529	38.581	0.11	3.89
Loma Prieta	10/18/89	Willits	CA	4	-123.354	39.410	1.83	2.17
Loma Prieta	10/18/89	Wilton	CA	4	-121.271	38.412	-0.98	4.98
Loma Prieta	10/18/89	Winters	CA	4	-121.970	38.525	-0.70	4.70
Loma Prieta	10/18/89	Woodbridge	CA	4	-121.300	38.154	-0.83	4.83

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Woodland	CA	4	-121.772	38.679	0.41	3.59
Loma Prieta	10/18/89	Yerington	NV	4	-119.162	38.986	2.50	1.50
Loma Prieta	10/18/89	Yolo	CA	4	-121.807	38.732	-0.15	4.15
Loma Prieta	10/18/89	Ahwahnee	CA	3	-119.725	37.366	-0.25	3.25
Loma Prieta	10/18/89	Albion	CA	3	-123.768	39.224	1.36	1.64
Loma Prieta	10/18/89	Alpaugh	CA	3	-119.486	35.888	0.17	2.83
Loma Prieta	10/18/89	Arbuckle	CA	3	-122.057	39.018	-1.01	4.01
Loma Prieta	10/18/89	Avery	CA	3	-120.369	38.204	-0.46	3.46
Loma Prieta	10/18/89	Bass Lake	CA	3	-119.565	37.325	-0.17	3.17
Loma Prieta	10/18/89	Big Oak Flat	CA	3	-120.257	37.824	-0.40	3.40
Loma Prieta	10/18/89	Boonville	CA	3	-123.365	39.009	-0.13	3.13
Loma Prieta	10/18/89	Browns Valley	CA	3	-121.408	39.242	-0.36	3.36
Loma Prieta	10/18/89	Buellton	CA	3	-120.192	34.614	0.19	2.81
Loma Prieta	10/18/89	Camarillo	CA	3	-119.037	34.216	0.50	2.50
Loma Prieta	10/18/89	Camino	CA	3	-120.674	38.738	0.38	2.62
Loma Prieta	10/18/89	Camp Connell	CA	3	-120.277	38.309	-1.09	4.09
Loma Prieta	10/18/89	Campo Seco	CA	3	-120.852	38.227	-1.28	4.28
Loma Prieta	10/18/89	Camptonville	CA	3	-121.048	39.452	1.37	1.63
Loma Prieta	10/18/89	Cantua Creek	CA	3	-120.315	36.501	-0.40	3.40
Loma Prieta	10/18/89	Chester	CA	3	-121.231	40.306	1.34	1.66
Loma Prieta	10/18/89	Chico	CA	3	-121.836	39.729	-0.47	3.47
Loma Prieta	10/18/89	Chinese Camp	CA	3	-120.432	37.871	-1.05	4.05
Loma Prieta	10/18/89	Citrus Heights	CA	3	-121.280	38.707	-0.11	3.11
Loma Prieta	10/18/89	Clearlake Highlands	CA	3	-122.671	39.026	-0.44	3.44
Loma Prieta	10/18/89	Colusa	CA	3	-122.008	39.214	-0.97	3.97
Loma Prieta	10/18/89	Compton	CA	3	-118.219	33.896	1.00	2.00
Loma Prieta	10/18/89	Copperopolis	CA	3	-120.641	37.981	-0.43	3.43
Loma Prieta	10/18/89	Corning	CA	3	-122.178	39.928	-0.36	3.36
Loma Prieta	10/18/89	Cottonwood	CA	3	-122.280	40.386	0.64	2.36
Loma Prieta	10/18/89	Coulterville	CA	3	-120.197	37.711	-1.49	4.49
Loma Prieta	10/18/89	Dinuba	CA	3	-119.386	36.543	0.01	2.99
Loma Prieta	10/18/89	Easton	CA	3	-119.790	36.650	-1.21	4.21
Loma Prieta	10/18/89	El Portal	CA	3	-119.783	37.675	0.38	2.62
Loma Prieta	10/18/89	Elk	CA	3	-123.717	39.130	0.62	2.38
Loma Prieta	10/18/89	Elmira	CA	3	-121.909	38.348	-0.42	3.42
Loma Prieta	10/18/89	Emigrant Gap	CA	3	-120.672	39.297	0.70	2.30
Loma Prieta	10/18/89	Eureka	CA	3	-124.163	40.802	4.78	-1.78
Loma Prieta	10/18/89	Farmersville	CA	3	-119.206	36.298	0.17	2.83
Loma Prieta	10/18/89	Fish Camp	CA	3	-119.639	37.479	-0.99	3.99
Loma Prieta	10/18/89	Fort Bragg	CA	3	-123.804	39.446	1.30	1.70
Loma Prieta	10/18/89	Fortuna	CA	3	-124.156	40.598	3.90	-0.90
Loma Prieta	10/18/89	Fresno	CA	3	-119.771	36.748	0.10	2.90
Loma Prieta	10/18/89	Gardnerville	NV	3	-119.749	38.941	1.35	1.65
Loma Prieta	10/18/89	Glenbrook	NV	3	-119.938	39.089	1.80	1.20
Loma Prieta	10/18/89	Glenhaven	CA	3	-122.732	39.026	-0.41	3.41
Loma Prieta	10/18/89	Groveland	CA	3	-120.232	37.838	-0.34	3.34
Loma Prieta	10/18/89	Hamilton City	CA	3	-122.013	39.743	1.29	1.71
Loma Prieta	10/18/89	Hanford	CA	3	-119.645	36.328	0.12	2.88

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Hazen	NV	3	-119.045	39.565	2.51	0.49
Loma Prieta	10/18/89	Ione	CA	3	-120.932	38.353	-0.02	3.02
Loma Prieta	10/18/89	Jamestown	CA	3	-120.422	37.953	-1.82	4.82
Loma Prieta	10/18/89	June Lake	CA	3	-119.074	37.780	1.00	2.00
Loma Prieta	10/18/89	Lake Isabella	CA	3	-118.472	35.618	1.18	1.82
Loma Prieta	10/18/89	Lakeport	CA	3	-122.915	39.043	-0.25	3.25
Loma Prieta	10/18/89	Lakeshore	CA	3	-119.174	37.253	-0.15	3.15
Loma Prieta	10/18/89	Le Grand	CA	3	-120.247	37.229	0.19	2.81
Loma Prieta	10/18/89	Lee Vining	CA	3	-119.121	37.958	1.36	1.64
Loma Prieta	10/18/89	Lincoln	CA	3	-121.292	38.892	-0.31	3.31
Loma Prieta	10/18/89	Lompoc	CA	3	-120.457	34.639	0.41	2.59
Loma Prieta	10/18/89	Long Beach	CA	3	-118.188	33.767	0.95	2.05
Loma Prieta	10/18/89	Loomis	CA	3	-121.192	38.821	-0.54	3.54
Loma Prieta	10/18/89	Los Molinos	CA	3	-122.099	40.021	-0.22	3.22
Loma Prieta	10/18/89	Los Olivos	CA	3	-120.114	34.668	0.30	2.70
Loma Prieta	10/18/89	Lost Hills	CA	3	-119.693	35.616	-0.23	3.23
Loma Prieta	10/18/89	Lovelock	NV	3	-118.473	40.179	3.09	-0.09
Loma Prieta	10/18/89	Mammoth Lakes	CA	3	-118.971	37.649	-0.06	3.06
Loma Prieta	10/18/89	Mariposa	CA	3	-119.965	37.485	0.29	2.71
Loma Prieta	10/18/89	Markleeville	CA	3	-119.779	38.695	0.41	2.59
Loma Prieta	10/18/89	Marysville	CA	3	-121.590	39.146	0.54	2.46
Loma Prieta	10/18/89	Mi-Wuk Village	CA	3	-120.184	38.066	-0.46	3.46
Loma Prieta	10/18/89	Moccasin	CA	3	-120.299	37.811	-1.82	4.82
Loma Prieta	10/18/89	New Cuyama	CA	3	-119.684	34.947	0.19	2.81
Loma Prieta	10/18/89	Nicolaus	CA	3	-121.577	38.903	-0.30	3.30
Loma Prieta	10/18/89	North Fork	CA	3	-119.509	37.230	-1.00	4.00
Loma Prieta	10/18/89	North Highlands	CA	3	-121.371	38.686	-1.13	4.13
Loma Prieta	10/18/89	North San Juan	CA	3	-121.103	39.369	-0.30	3.30
Loma Prieta	10/18/89	Northridge	CA	3	-118.536	34.228	1.59	1.41
Loma Prieta	10/18/89	O'Neals	CA	3	-119.693	37.128	-0.10	3.10
Loma Prieta	10/18/89	Oakhurst	CA	3	-119.648	37.328	-1.07	4.07
Loma Prieta	10/18/89	Oceano	CA	3	-120.611	35.099	0.44	2.56
Loma Prieta	10/18/89	Orange Cove	CA	3	-119.313	36.624	-1.23	4.23
Loma Prieta	10/18/89	Orangevale	CA	3	-121.225	38.679	-1.06	4.06
Loma Prieta	10/18/89	Oroville	CA	3	-121.555	39.514	0.49	2.51
Loma Prieta	10/18/89	Oxnard	CA	3	-119.176	34.198	1.18	1.82
Loma Prieta	10/18/89	Paradise	CA	3	-121.621	39.760	1.19	1.81
Loma Prieta	10/18/89	Pasadena	CA	3	-118.130	34.150	1.04	1.96
Loma Prieta	10/18/89	Penryn	CA	3	-121.168	38.852	-1.02	4.02
Loma Prieta	10/18/89	Piedra	CA	3	-119.381	36.810	0.15	2.85
Loma Prieta	10/18/89	Piru	CA	3	-118.793	34.415	0.90	2.10
Loma Prieta	10/18/89	Potter Valley	CA	3	-123.112	39.322	1.07	1.93
Loma Prieta	10/18/89	Quincy	CA	3	-120.946	39.937	0.73	2.27
Loma Prieta	10/18/89	Redding	CA	3	-122.391	40.587	1.13	1.87
Loma Prieta	10/18/89	Redwood Valley	CA	3	-123.203	39.266	0.42	2.58
Loma Prieta	10/18/89	Richvale	CA	3	-121.744	39.494	0.04	2.96
Loma Prieta	10/18/89	Rio Linda	CA	3	-121.448	38.691	-1.65	4.65
Loma Prieta	10/18/89	Rio Oso	CA	3	-121.543	38.961	0.07	2.93

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Loma Prieta	10/18/89	Roseville	CA	3	-121.287	38.752	-0.23	3.23
Loma Prieta	10/18/89	San Geronimo	CA	3	-122.663	38.013	-1.02	4.02
Loma Prieta	10/18/89	Santa Monica	CA	3	-118.490	34.019	1.17	1.83
Loma Prieta	10/18/89	Santa Ynez	CA	3	-120.079	34.614	0.51	2.49
Loma Prieta	10/18/89	Sparks	NV	3	-119.752	39.535	1.74	1.26
Loma Prieta	10/18/89	Standard	CA	3	-120.311	37.967	-1.64	4.64
Loma Prieta	10/18/89	Strawberry	CA	3	-119.998	38.202	1.06	1.94
Loma Prieta	10/18/89	Talmage	CA	3	-123.167	39.133	0.96	2.04
Loma Prieta	10/18/89	Tipton	CA	3	-119.311	36.059	0.03	2.97
Loma Prieta	10/18/89	Traver	CA	3	-119.484	36.455	0.34	2.66
Loma Prieta	10/18/89	Trowbridge	CA	3	-121.524	38.911	-0.67	3.67
Loma Prieta	10/18/89	Upper Lake	CA	3	-122.909	39.165	0.00	3.00
Loma Prieta	10/18/89	Vallecito	CA	3	-120.472	38.087	-0.39	3.39
Loma Prieta	10/18/89	Vandenberg Air Force Base	CA	3	-120.580	34.730	0.62	2.38
Loma Prieta	10/18/89	Ventura	CA	3	-119.292	34.278	0.50	2.50
Loma Prieta	10/18/89	Virginia City	NV	3	-119.649	39.310	1.37	1.63
Loma Prieta	10/18/89	Visalia	CA	3	-119.291	36.330	0.27	2.73
Loma Prieta	10/18/89	Wheatland	CA	3	-121.422	39.010	-0.01	3.01
Loma Prieta	10/18/89	Williams	CA	3	-122.148	39.155	-0.39	3.39
Loma Prieta	10/18/89	Yuba City	CA	3	-121.616	39.141	0.54	2.46
Loma Prieta	10/18/89	Zamora	CA	3	-121.881	38.797	-1.64	4.64
Loma Prieta	10/18/89	Zephyr Cove	NV	3	-119.955	39.002	1.39	1.61
Northridge	1/17/94	Gavin Canyon	CA	9	-118.540	34.350	1.52	7.48
Northridge	1/17/94	Granada Hills (Kaiser- P)	CA	9	-118.505	34.260	1.33	7.67
Northridge	1/17/94	Granada Hills (S.H. 118)	CA	9	-118.490	34.270	1.37	7.63
Northridge	1/17/94	Los Angeles (I10/Fairfax)	CA	9	-118.360	34.045	1.71	7.29
Northridge	1/17/94	Northridge (Csun)	CA	9	-118.525	34.240	1.28	7.72
Northridge	1/17/94	Northridge (Fashion Cente	CA	9	-118.550	34.240	1.27	7.73
Northridge	1/17/94	San Fernando Pass	CA	9	-118.500	34.330	1.49	7.51
Northridge	1/17/94	Santa Monica (St. Johns H	CA	9	-118.470	34.040	1.61	7.39
Northridge	1/17/94	Sherman Oaks	CA	9	-118.448	34.151	0.47	8.53
Northridge	1/17/94	Canoga Park	CA	8	-118.597	34.201	0.47	7.53
Northridge	1/17/94	Chatsworth	CA	8	-118.600	34.257	0.43	7.57
Northridge	1/17/94	Fillmore	CA	8	-118.917	34.399	0.66	7.34
Northridge	1/17/94	Hollywood	CA	8	-118.326	34.098	0.16	7.84
Northridge	1/17/94	Los Angeles (Crenshaw Dis	CA	8	-118.330	34.030	0.78	7.22
Northridge	1/17/94	Los Angeles (Cty/Usc Hosp	CA	8	-118.210	34.060	0.92	7.08
Northridge	1/17/94	North Hills	CA	8	-118.500	34.260	0.34	7.66
Northridge	1/17/94	North Hollywood (Lank.)	CA	8	-118.378	34.172	-0.01	8.01

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Northridge	1/17/94	Pacoima	CA	8	-118.426	34.263	-0.15	8.15
Northridge	1/17/94	Porter Ranch	CA	8	-118.545	34.300	0.41	7.59
Northridge	1/17/94	Reseda	CA	8	-118.536	34.201	-0.16	8.16
Northridge	1/17/94	San Fernando	CA	8	-118.438	34.282	0.84	7.16
Northridge	1/17/94	Santa Clarita (Valencia)	CA	8	-118.609	34.444	0.75	7.25
Northridge	1/17/94	Santa Monica	CA	8	-118.490	34.019	1.17	6.83
Northridge	1/17/94	Santa Monica (Ocean Park)	CA	8	-118.493	34.012	0.66	7.34
Northridge	1/17/94	Simi Valley (Ne)	CA	8	-118.725	34.290	0.60	7.40
Northridge	1/17/94	Stevenson Ranch	CA	8	-118.567	34.375	0.58	7.42
Northridge	1/17/94	Studio City	CA	8	-118.396	34.149	-0.49	8.49
Northridge	1/17/94	Sylmar	CA	8	-118.448	34.308	0.83	7.17
Northridge	1/17/94	Tarzana	CA	8	-118.553	34.173	-0.09	8.09
Northridge	1/17/94	Universal City	CA	8	-118.353	34.139	0.59	7.41
Northridge	1/17/94	Van Nuys	CA	8	-118.448	34.187	0.20	7.80
Northridge	1/17/94	West Los Angeles (Oly/Bar	CA	8	-118.447	34.046	-0.32	8.32
Northridge	1/17/94	Wood Hills (El Camino Rea	CA	8	-118.640	34.175	0.41	7.59
Northridge	1/17/94	Agoura	CA	7	-118.737	34.143	-0.80	7.80
Northridge	1/17/94	Agua Dulce	CA	7	-118.325	34.496	-0.93	7.93
Northridge	1/17/94	Arleta	CA	7	-118.427	34.243	-0.57	7.57
Northridge	1/17/94	Beverly Hills	CA	7	-118.399	34.074	-0.35	7.35
Northridge	1/17/94	Burbank	CA	7	-118.308	34.181	-0.44	7.44
Northridge	1/17/94	Century City	CA	7	-118.417	34.056	-0.82	7.82
Northridge	1/17/94	Culver City	CA	7	-118.396	34.021	-0.74	7.74
Northridge	1/17/94	Glendale	CA	7	-118.254	34.143	-0.32	7.32
Northridge	1/17/94	Hermosa Beach	CA	7	-118.399	33.862	-0.90	7.90
Northridge	1/17/94	Los Angeles (Downtown)	CA	7	-118.238	34.054	-0.12	7.12
Northridge	1/17/94	Los Angeles (Echo Park)	CA	7	-118.260	34.085	-0.19	7.19
Northridge	1/17/94	Los Angeles (Olympic Park	CA	7	-118.280	34.030	-0.16	7.16
Northridge	1/17/94	Moorpark	CA	7	-118.881	34.286	0.28	6.72
Northridge	1/17/94	Panorama City	CA	7	-118.449	34.225	-0.64	7.64
Northridge	1/17/94	Piru	CA	7	-118.793	34.415	0.90	6.10
Northridge	1/17/94	Santa Clarita (Newhall)	CA	7	-118.530	34.385	-0.40	7.40
Northridge	1/17/94	Santa Clarita (Saugus)	CA	7	-118.539	34.411	-0.34	7.34
Northridge	1/17/94	Simi Valley (Sw)	CA	7	-118.750	34.275	-0.37	7.37
Northridge	1/17/94	Sun Valley	CA	7	-118.369	34.218	-0.56	7.56
Northridge	1/17/94	Sunland	CA	7	-118.301	34.267	-0.52	7.52
Northridge	1/17/94	Topanga	CA	7	-118.601	34.094	-0.89	7.89
Northridge	1/17/94	West Hills	CA	7	-118.637	34.207	-0.61	7.61
Northridge	1/17/94	Westwood Village	CA	7	-118.443	34.059	-0.41	7.41
Northridge	1/17/94	Acton	CA	6	-118.196	34.470	-1.79	7.79

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Northridge	1/17/94	Alhambra	CA	6	-118.126	34.095	-0.58	6.58
Northridge	1/17/94	Anaheim	CA	6	-117.914	33.835	-0.40	6.40
Northridge	1/17/94	Arcadia	CA	6	-118.034	34.140	-0.99	6.99
Northridge	1/17/94	Bell Gardens	CA	6	-118.151	33.965	-1.42	7.42
Northridge	1/17/94	Bellflower	CA	6	-118.116	33.882	-1.23	7.23
Northridge	1/17/94	Camarillo	CA	6	-119.037	34.216	0.50	5.50
Northridge	1/17/94	Carson	CA	6	-118.281	33.831	-0.77	6.77
Northridge	1/17/94	Compton	CA	6	-118.219	33.896	1.00	5.00
Northridge	1/17/94	Cypress	CA	6	-118.036	33.817	-0.48	6.48
Northridge	1/17/94	Green Valley	CA	6	-118.413	34.622	-0.83	6.83
Northridge	1/17/94	La Canada	CA	6	-118.200	34.200	-0.81	6.81
Northridge	1/17/94	La Habra	CA	6	-117.945	33.932	-0.60	6.60
Northridge	1/17/94	La Mirada	CA	6	-118.011	33.917	-0.66	6.66
Northridge	1/17/94	Laguna Beach	CA	6	-117.782	33.542	-0.24	6.24
Northridge	1/17/94	Lakewood	CA	6	-118.133	33.854	-0.69	6.69
Northridge	1/17/94	Lawndale	CA	6	-118.352	33.887	-1.43	7.43
Northridge	1/17/94	Los Angeles (Hancock Park)	CA	6	-118.350	34.060	-1.30	7.30
Northridge	1/17/94	Los Angeles (West Central)	CA	6	-118.320	33.990	-1.14	7.14
Northridge	1/17/94	Lynwood	CA	6	-118.211	33.930	-0.44	6.44
Northridge	1/17/94	Malibu	CA	6	-118.680	34.040	-1.21	7.21
Northridge	1/17/94	Mar Vista	CA	6	-118.430	34.005	-1.22	7.22
Northridge	1/17/94	Mojave	CA	6	-118.173	35.053	-0.65	6.65
Northridge	1/17/94	Monrovia	CA	6	-117.998	34.148	-0.94	6.94
Northridge	1/17/94	Montebello	CA	6	-118.104	34.009	-1.43	7.43
Northridge	1/17/94	Monterey Park	CA	6	-118.122	34.063	-1.03	7.03
Northridge	1/17/94	Newbury Park	CA	6	-118.910	34.184	-1.04	7.04
Northridge	1/17/94	Oak View	CA	6	-119.299	34.400	-0.84	6.84
Northridge	1/17/94	Oxnard	CA	6	-119.176	34.198	1.18	4.82
Northridge	1/17/94	Palmdale	CA	6	-118.116	34.579	-1.03	7.03
Northridge	1/17/94	Pasadena	CA	6	-118.130	34.150	1.04	4.96
Northridge	1/17/94	Pico Rivera	CA	6	-118.096	33.983	-1.38	7.38
Northridge	1/17/94	Port Hueneme	CA	6	-119.194	34.148	0.29	5.71
Northridge	1/17/94	Rancho Palos Verdes	CA	6	-118.386	33.744	-0.69	6.69
Northridge	1/17/94	Redondo Beach	CA	6	-118.388	33.849	-0.86	6.86
Northridge	1/17/94	Rosemead	CA	6	-118.072	34.081	-0.98	6.98
Northridge	1/17/94	San Gabriel	CA	6	-118.105	34.096	-0.25	6.25
Northridge	1/17/94	San Marino	CA	6	-118.106	34.121	-1.08	7.08
Northridge	1/17/94	Santa Paula	CA	6	-119.058	34.354	-0.27	6.27
Northridge	1/17/94	Seal Beach	CA	6	-118.104	33.741	-0.95	6.95
Northridge	1/17/94	Sierra Madre	CA	6	-118.052	34.162	-1.04	7.04
Northridge	1/17/94	Somis	CA	6	-118.995	34.257	0.55	5.45
Northridge	1/17/94	Temple City	CA	6	-118.057	34.107	-1.49	7.49
Northridge	1/17/94	Thousand Oaks	CA	6	-118.837	34.171	-1.16	7.16
Northridge	1/17/94	Torrance	CA	6	-118.340	33.836	-0.81	6.81
Northridge	1/17/94	Tujunga	CA	6	-118.288	34.252	-0.99	6.99
Northridge	1/17/94	West Covina	CA	6	-117.938	34.069	0.39	5.61

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Northridge	1/17/94	Westlake Village	CA	6	-118.824	34.147	-1.24	7.24
Northridge	1/17/94	Whittier (Downtown)	CA	6	-118.033	33.981	-0.70	6.70
Northridge	1/17/94	Wilmington	CA	6	-118.262	33.780	-1.15	7.15
Northridge	1/17/94	Wrightwood	CA	6	-117.633	34.361	-0.83	6.83
Northridge	1/17/94	Adelanto	CA	5	-117.408	34.583	-0.83	5.83
Northridge	1/17/94	Alta Loma	CA	5	-117.597	34.122	-1.21	6.21
Northridge	1/17/94	Angelus Oaks	CA	5	-116.982	34.146	0.17	4.83
Northridge	1/17/94	Apple Valley	CA	5	-117.185	34.501	-0.46	5.46
Northridge	1/17/94	Atwood	CA	5	-117.830	33.866	-1.23	6.23
Northridge	1/17/94		CA	5	-118.327	33.343	-0.71	5.71
Northridge	1/17/94	Azusa	CA	5	-117.907	34.134	-1.77	6.77
Northridge	1/17/94	Baker	CA	5	-116.074	35.265	1.58	3.42
Northridge	1/17/94	Baldwin Park	CA	5	-117.960	34.085	-1.31	6.31
Northridge	1/17/94	Big Bear City	CA	5	-116.844	34.261	0.15	4.85
Northridge	1/17/94	Bloomington	CA	5	-117.395	34.070	-0.81	5.81
Northridge	1/17/94	Bombay Beach	CA	5	-115.730	33.360	2.90	2.10
Northridge	1/17/94	Brea	CA	5	-117.899	33.917	-1.51	6.51
Northridge	1/17/94	Buellton	CA	5	-120.192	34.614	0.19	4.81
Northridge	1/17/94	Buena Park	CA	5	-117.997	33.868	-1.56	6.56
Northridge	1/17/94	Buttonwillow	CA	5	-119.469	35.401	0.57	4.43
Northridge	1/17/94	California City	CA	5	-117.985	35.126	-0.86	5.86
Northridge	1/17/94	California Hot Springs	CA	5	-118.673	35.880	0.03	4.97
Northridge	1/17/94	Calimesa	CA	5	-117.061	34.004	-0.16	5.16
Northridge	1/17/94	Capistrano Beach	CA	5	-117.671	33.463	-0.46	5.46
Northridge	1/17/94	Carpinteria	CA	5	-119.518	34.399	-0.06	5.06
Northridge	1/17/94	Cedar Glen	CA	5	-117.164	34.254	-0.45	5.45
Northridge	1/17/94	Cerritos	CA	5	-118.064	33.858	-1.13	6.13
Northridge	1/17/94	Chino	CA	5	-117.688	34.012	-1.29	6.29
Northridge	1/17/94	Claremont	CA	5	-117.719	34.097	-1.41	6.41
Northridge	1/17/94	Coachella	CA	5	-116.173	33.680	1.67	3.33
Northridge	1/17/94	Colton	CA	5	-117.313	34.074	-0.66	5.66
Northridge	1/17/94	Corcoran	CA	5	-119.559	36.098	0.16	4.84
Northridge	1/17/94	Corona Del Mar	CA	5	-117.872	33.598	-0.94	5.94
Northridge	1/17/94	Coronado	CA	5	-117.182	32.686	1.52	3.48
Northridge	1/17/94	Costa Mesa	CA	5	-117.918	33.641	-0.57	5.57
Northridge	1/17/94	Covina	CA	5	-117.889	34.090	-1.20	6.20
Northridge	1/17/94	Crest Park	CA	5	-117.196	34.234	-0.51	5.51
Northridge	1/17/94	Cuyama	CA	5	-119.614	34.935	-0.53	5.53
Northridge	1/17/94	Dana Point	CA	5	-117.697	33.467	-0.50	5.50
Northridge	1/17/94	Diamond Bar	CA	5	-117.838	33.978	-1.50	6.50
Northridge	1/17/94	Downey	CA	5	-118.132	33.940	-1.35	6.35
Northridge	1/17/94	Earlimart	CA	5	-119.271	35.884	0.22	4.78
Northridge	1/17/94	El Monte	CA	5	-118.027	34.069	-1.40	6.40
Northridge	1/17/94	El Toro (Lake Forest)	CA	5	-117.693	33.626	-0.70	5.70
Northridge	1/17/94	Escondido	CA	5	-117.086	33.119	0.86	4.14
Northridge	1/17/94	Fallbrook	CA	5	-117.250	33.376	0.23	4.77
Northridge	1/17/94	Fawnskin	CA	5	-116.942	34.268	-0.03	5.03
Northridge	1/17/94	Fountain Valley	CA	5	-117.953	33.709	-1.23	6.23

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Northridge	1/17/94	Frazier Park	CA	5	-118.944	34.823	-0.18	5.18
Northridge	1/17/94	Fullerton	CA	5	-117.924	33.870	0.00	5.00
Northridge	1/17/94	Garden Grove	CA	5	-117.941	33.774	-1.34	6.34
Northridge	1/17/94	Gardena	CA	5	-118.308	33.888	-1.41	6.41
Northridge	1/17/94	Goleta	CA	5	-119.827	34.436	0.77	4.23
Northridge	1/17/94	Goshen	CA	5	-119.419	36.351	0.45	4.55
Northridge	1/17/94	Green Valley Lake	CA	5	-117.076	34.241	2.54	2.46
Northridge	1/17/94	Grover Beach	CA	5	-120.620	35.122	1.65	3.35
Northridge	1/17/94	Guadalupe	CA	5	-120.571	34.972	0.39	4.61
Northridge	1/17/94	Guasti	CA	5	-117.586	34.065	-0.95	5.95
Northridge	1/17/94	Hacienda Heights	CA	5	-117.968	33.993	-1.21	6.21
Northridge	1/17/94	Hawaiian Gardens	CA	5	-118.072	33.831	-1.56	6.56
Northridge	1/17/94	Hawthorne-Ca	CA	5	-118.352	33.916	-1.49	6.49
Northridge	1/17/94	Helendale	CA	5	-117.324	34.744	-0.55	5.55
Northridge	1/17/94	Hemet	CA	5	-116.971	33.748	0.20	4.80
Northridge	1/17/94	Hesperia	CA	5	-117.300	34.426	-0.70	5.70
Northridge	1/17/94	Highland	CA	5	-117.208	34.128	0.00	5.00
Northridge	1/17/94	Homeland	CA	5	-117.108	33.743	-0.03	5.03
Northridge	1/17/94	Huntington Beach	CA	5	-117.998	33.660	0.29	4.71
Northridge	1/17/94	Indio	CA	5	-116.215	33.721	1.56	3.44
Northridge	1/17/94	Inglewood	CA	5	-118.352	33.962	-2.09	7.09
Northridge	1/17/94	Inyokern	CA	5	-117.812	35.647	1.67	3.33
Northridge	1/17/94	Irvine	CA	5	-117.822	33.669	-1.01	6.01
Northridge	1/17/94	La Mesa	CA	5	-117.022	32.768	1.55	3.45
Northridge	1/17/94	La Palma	CA	5	-118.046	33.846	-1.54	6.54
Northridge	1/17/94	La Puente	CA	5	-117.949	34.020	-1.22	6.22
Northridge	1/17/94	La Quinta	CA	5	-116.309	33.663	1.44	3.56
Northridge	1/17/94	La Verne	CA	5	-117.767	34.101	-1.50	6.50
Northridge	1/17/94	Laguna Hills	CA	5	-117.712	33.613	-0.78	5.78
Northridge	1/17/94	Laguna Niguel	CA	5	-117.707	33.523	-0.56	5.56
Northridge	1/17/94	Lake Arrowhead	CA	5	-117.188	34.248	0.98	4.02
Northridge	1/17/94	Lake Elsinore	CA	5	-117.326	33.668	-0.18	5.18
Northridge	1/17/94	Lake Hughes	CA	5	-118.444	34.677	-0.75	5.75
Northridge	1/17/94	Lake Isabella	CA	5	-118.472	35.618	1.18	3.82
Northridge	1/17/94	Lamont	CA	5	-118.913	35.260	-0.32	5.32
Northridge	1/17/94	Lancaster	CA	5	-118.136	34.698	-0.80	5.80
Northridge	1/17/94	Landers	CA	5	-116.392	34.266	1.28	3.72
Northridge	1/17/94	Lemoore	CA	5	-119.782	36.301	0.50	4.50
Northridge	1/17/94	Lenwood	CA	5	-117.103	34.877	0.45	4.55
Northridge	1/17/94	Leona Valley	CA	5	-118.287	34.618	-1.75	6.75
Northridge	1/17/94	Loma Linda	CA	5	-117.260	34.048	-0.55	5.55
Northridge	1/17/94	Lomita	CA	5	-118.314	33.792	-1.21	6.21
Northridge	1/17/94	Long Beach	CA	5	-118.188	33.767	0.95	4.05
Northridge	1/17/94	Los Alamitos	CA	5	-118.072	33.803	-0.06	5.06
Northridge	1/17/94	Los Alamos	CA	5	-120.277	34.744	1.00	4.00
Northridge	1/17/94	Lucerne Valley	CA	5	-116.967	34.444	-0.07	5.07
Northridge	1/17/94	Lytle Creek	CA	5	-117.499	34.259	-0.58	5.58
Northridge	1/17/94	Mckittrick	CA	5	-119.622	35.306	-0.36	5.36

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Northridge	1/17/94	Mecca	CA	5	-116.076	33.572	1.93	3.07
Northridge	1/17/94	Mentone	CA	5	-117.134	34.070	-0.11	5.11
Northridge	1/17/94	Mission Viejo	CA	5	-117.671	33.600	-0.20	5.20
Northridge	1/17/94	Montalvo	CA	5	-119.203	34.254	-1.54	6.54
Northridge	1/17/94	Montclair	CA	5	-117.690	34.100	-1.36	6.36
Northridge	1/17/94	Montecito	CA	5	-119.631	34.437	-0.67	5.67
Northridge	1/17/94	Moonridge	CA	5	-116.855	34.235	0.40	4.60
Northridge	1/17/94	Moreno Valley	CA	5	-117.157	33.918	-0.08	5.08
Northridge	1/17/94	Morongo Valley	CA	5	-116.580	34.047	0.71	4.29
Northridge	1/17/94	Mount Baldy	CA	5	-117.659	34.236	-0.87	5.87
Northridge	1/17/94	Mount Wilson	CA	5	-118.065	34.226	-2.11	7.11
Northridge	1/17/94	Murrieta	CA	5	-117.213	33.554	0.02	4.98
Northridge	1/17/94	Newberry Springs	CA	5	-116.688	34.827	0.63	4.37
Northridge	1/17/94	Newport Beach	CA	5	-117.928	33.619	1.94	3.06
Northridge	1/17/94	Niland	CA	5	-115.518	33.240	3.38	1.62
Northridge	1/17/94	Norco	CA	5	-117.548	33.931	-0.81	5.81
Northridge	1/17/94	North Edwards	CA	5	-117.832	35.017	-0.52	5.52
Northridge	1/17/94	Norwalk	CA	5	-118.081	33.902	-1.73	6.73
Northridge	1/17/94	Oceanside	CA	5	-117.379	33.196	0.36	4.64
Northridge	1/17/94	Ojai	CA	5	-119.242	34.448	-0.49	5.49
Northridge	1/17/94	Ontario	CA	5	-117.650	34.063	-0.76	5.76
Northridge	1/17/94	Orange	CA	5	-117.852	33.788	0.25	4.75
Northridge	1/17/94	Oro Grande	CA	5	-117.333	34.599	-0.68	5.68
Northridge	1/17/94	Pacific Beach	CA	5	-117.239	32.798	1.28	3.72
Northridge	1/17/94	Paramount	CA	5	-118.159	33.889	-1.79	6.79
Northridge	1/17/94	Pearblossom	CA	5	-117.909	34.506	-1.78	6.78
Northridge	1/17/94	Phelan	CA	5	-117.571	34.426	-1.21	6.21
Northridge	1/17/94	Pinon Hills	CA	5	-117.646	34.433	-1.34	6.34
Northridge	1/17/94	Placentia	CA	5	-117.869	33.872	-0.90	5.90
Northridge	1/17/94	Pomona	CA	5	-117.751	34.055	-1.43	6.43
Northridge	1/17/94	Poway	CA	5	-117.035	32.963	1.19	3.81
Northridge	1/17/94	Quartz Hill	CA	5	-118.217	34.645	-1.54	6.54
Northridge	1/17/94	Rainbow	CA	5	-117.147	33.410	0.43	4.57
Northridge	1/17/94	Rancho Bernardo	CA	5	-117.060	33.019	1.13	3.87
Northridge	1/17/94	Redlands	CA	5	-117.182	34.062	-0.42	5.42
Northridge	1/17/94	Reedley	CA	5	-119.449	36.596	0.67	4.33
Northridge	1/17/94	Ridgcrest	CA	5	-117.670	35.623	1.80	3.20
Northridge	1/17/94	Rollamond	CA	5	-118.163	34.864	-0.69	5.69
Northridge	1/17/94	Running Springs	CA	5	-117.108	34.208	1.48	3.52
Northridge	1/17/94	San Bernardino	CA	5	-117.289	34.108	-0.64	5.64
Northridge	1/17/94	San Clemente	CA	5	-117.611	33.427	-0.33	5.33
Northridge	1/17/94	San Dimas	CA	5	-117.806	34.107	-1.57	6.57
Northridge	1/17/94	San Juan Capistrano	CA	5	-117.662	33.502	-0.52	5.52
Northridge	1/17/94	San Luis Rey	CA	5	-117.323	33.232	0.36	4.64
Northridge	1/17/94	San Marcos	CA	5	-117.165	33.143	0.22	4.78
Northridge	1/17/94	San Pedro	CA	5	-118.291	33.736	-1.57	6.57
Northridge	1/17/94	Santa Ana	CA	5	-117.867	33.746	-0.70	5.70
Northridge	1/17/94	Santa Barbara	CA	5	-119.697	34.421	0.92	4.08

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Northridge	1/17/94	Santa Fe Springs	CA	5	-118.084	33.947	-1.31	6.31
Northridge	1/17/94	Santa Ynez	CA	5	-120.079	34.614	0.51	4.49
Northridge	1/17/94	Seeley	CA	5	-115.690	32.793	3.41	1.59
Northridge	1/17/94	Silverado	CA	5	-117.636	33.746	-0.88	5.88
Northridge	1/17/94	South Gate	CA	5	-118.211	33.955	-0.15	5.15
Northridge	1/17/94	Spring Valley	CA	5	-116.998	32.745	1.12	3.88
Northridge	1/17/94	Spring Valley Lake	CA	5	-117.290	34.536	-0.32	5.32
Northridge	1/17/94	Summerland	CA	5	-119.596	34.421	-0.43	5.43
Northridge	1/17/94	Sunset Beach	CA	5	-118.068	33.716	-1.37	6.37
Northridge	1/17/94	Surfside	CA	5	-118.081	33.728	-1.40	6.40
Northridge	1/17/94	Taft	CA	5	-119.456	35.143	-0.46	5.46
Northridge	1/17/94	Tehachapi	CA	5	-118.448	35.132	-0.63	5.63
Northridge	1/17/94	Temecula	CA	5	-117.148	33.494	0.21	4.79
Northridge	1/17/94	Trabuco Canyon	CA	5	-117.589	33.663	-0.69	5.69
Northridge	1/17/94	Tustin	CA	5	-117.825	33.746	-0.64	5.64
Northridge	1/17/94	Twentynine Palms	CA	5	-116.053	34.136	1.17	3.83
Northridge	1/17/94	Upland	CA	5	-117.648	34.098	-0.79	5.79
Northridge	1/17/94	Valley Acres	CA	5	-119.406	35.206	0.00	5.00
Northridge	1/17/94	Valley Center	CA	5	-117.033	33.218	0.27	4.73
Northridge	1/17/94	Valyermo	CA	5	-117.851	34.446	-0.44	5.44
Northridge	1/17/94	Vandenberg Air Force Base	CA	5	-120.580	34.730	0.62	4.38
Northridge	1/17/94	Ventura	CA	5	-119.292	34.278	0.50	4.50
Northridge	1/17/94	Victorville	CA	5	-117.290	34.536	-0.64	5.64
Northridge	1/17/94	Vista	CA	5	-117.242	33.200	0.52	4.48
Northridge	1/17/94	Walnut	CA	5	-117.864	34.020	-1.09	6.09
Northridge	1/17/94	Wasco	CA	5	-119.340	35.594	-0.09	5.09
Northridge	1/17/94	Westminster	CA	5	-118.006	33.759	-1.38	6.38
Northridge	1/17/94	Westmorland	CA	5	-115.621	33.037	3.39	1.61
Northridge	1/17/94	White Water	CA	5	-116.638	33.925	0.66	4.34
Northridge	1/17/94	Winchester	CA	5	-117.084	33.707	0.05	4.95
Northridge	1/17/94	Yorba Linda	CA	5	-117.812	33.889	-1.34	6.34
Northridge	1/17/94	Yucca Valley	CA	5	-116.445	34.119	0.44	4.56
Northridge	1/17/94	Aguanga	CA	4	-116.864	33.443	-0.15	4.15
Northridge	1/17/94	Alpaugh	CA	4	-119.486	35.888	0.17	3.83
Northridge	1/17/94	Anza	CA	4	-116.673	33.555	0.06	3.94
Northridge	1/17/94	Arrowbear Lake	CA	4	-117.083	34.211	-1.03	5.03
Northridge	1/17/94	Atascadero	CA	4	-120.670	35.489	0.38	3.62
Northridge	1/17/94	Bakersfield	CA	4	-119.018	35.373	0.08	3.92
Northridge	1/17/94	Banning	CA	4	-116.876	33.926	-0.57	4.57
Northridge	1/17/94	Barstow	CA	4	-117.022	34.899	-0.39	4.39
Northridge	1/17/94	Beaumont	CA	4	-116.976	33.929	-0.46	4.46
Northridge	1/17/94	Big Bear Lake	CA	4	-116.911	34.244	-0.47	4.47
Northridge	1/17/94	Blythe	CA	4	-114.596	33.610	3.61	0.39
Northridge	1/17/94	Bodfish	CA	4	-118.491	35.588	-0.29	4.29
Northridge	1/17/94	Bonita	CA	4	-117.029	32.658	0.78	3.22
Northridge	1/17/94	Bonsall	CA	4	-117.225	33.289	-0.10	4.10
Northridge	1/17/94	Boron	CA	4	-117.649	34.999	-1.23	5.23

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Northridge	1/17/94	Borrego Springs	CA	4	-116.374	33.256	0.74	3.26
Northridge	1/17/94	Brawley	CA	4	-115.529	32.979	2.45	1.55
Northridge	1/17/94	Cabazon	CA	4	-116.786	33.918	-0.61	4.61
Northridge	1/17/94	Calexico	CA	4	-115.498	32.679	2.87	1.13
Northridge	1/17/94	Calipatria	CA	4	-115.513	33.126	2.49	1.51
Northridge	1/17/94	Carlsbad	CA	4	-117.350	33.158	-0.04	4.04
Northridge	1/17/94	Caruthers	CA	4	-119.832	36.543	-0.03	4.03
Northridge	1/17/94	Cathedral City	CA	4	-116.464	33.780	0.57	3.43
Northridge	1/17/94	Cayucos	CA	4	-120.891	35.443	-0.73	4.73
Northridge	1/17/94	Chula Vista	CA	4	-117.083	32.640	0.71	3.29
Northridge	1/17/94	Clovis	CA	4	-119.702	36.825	0.54	3.46
Northridge	1/17/94	Coalinga	CA	4	-120.359	36.140	0.29	3.71
Northridge	1/17/94	Corona	CA	4	-117.566	33.875	-1.44	5.44
Northridge	1/17/94	Crestline	CA	4	-117.285	34.242	-0.67	4.67
Northridge	1/17/94	Daggett	CA	4	-116.887	34.863	-0.19	4.19
Northridge	1/17/94	Death Valley	CA	4	-116.870	36.500	2.30	1.70
Northridge	1/17/94	Del Mar	CA	4	-117.264	32.959	0.42	3.58
Northridge	1/17/94	Delano	CA	4	-119.246	35.769	-0.01	4.01
Northridge	1/17/94	Desert Center	CA	4	-115.401	33.713	2.56	1.44
Northridge	1/17/94	Desert Hot Springs	CA	4	-116.501	33.961	0.39	3.61
Northridge	1/17/94	Ducor	CA	4	-119.046	35.892	-0.19	4.19
Northridge	1/17/94	El Cajon	CA	4	-116.962	32.795	1.07	2.93
Northridge	1/17/94	El Centro	CA	4	-115.562	32.792	2.76	1.24
Northridge	1/17/94	Encinitas	CA	4	-117.291	33.037	0.25	3.75
Northridge	1/17/94	Essex	CA	4	-115.244	34.734	2.74	1.26
Northridge	1/17/94	Exeter	CA	4	-119.141	36.296	0.14	3.86
Northridge	1/17/94	Fellows	CA	4	-119.540	35.179	0.35	3.65
Northridge	1/17/94	Fontana	CA	4	-117.434	34.092	-1.40	5.40
Northridge	1/17/94	Forest Falls	CA	4	-116.919	34.088	-0.44	4.44
Northridge	1/17/94	Fort Irwin	CA	4	-116.690	35.260	0.44	3.56
Northridge	1/17/94	Glendora	CA	4	-117.864	34.136	-1.70	5.70
Northridge	1/17/94	Grand Terrace	CA	4	-117.313	34.034	-1.43	5.43
Northridge	1/17/94	Hanford	CA	4	-119.645	36.328	0.12	3.88
Northridge	1/17/94	Heber	CA	4	-115.529	32.731	2.25	1.75
Northridge	1/17/94		CA	4	-117.198	34.935	-0.64	4.64
Northridge	1/17/94	Idyllwild	CA	4	-116.718	33.740	0.15	3.85
Northridge	1/17/94	Imperial	CA	4	-115.569	32.848	3.04	0.96
Northridge	1/17/94	Imperial Beach	CA	4	-117.112	32.584	0.79	3.21
Northridge	1/17/94	Indian Wells	CA	4	-116.308	33.719	0.60	3.40
Northridge	1/17/94	Jacumba	CA	4	-116.189	32.618	1.90	2.10
Northridge	1/17/94	Jamul	CA	4	-116.875	32.717	0.82	3.18
Northridge	1/17/94	Johannesburg	CA	4	-117.634	35.373	-0.55	4.55
Northridge	1/17/94	Joshua Tree	CA	4	-116.312	34.135	0.18	3.82
Northridge	1/17/94	Kernville	CA	4	-118.424	35.755	0.37	3.63
Northridge	1/17/94	Kettleman City	CA	4	-119.961	36.008	0.40	3.60
Northridge	1/17/94	La Jolla	CA	4	-117.273	32.847	0.62	3.38
Northridge	1/17/94	Lakeside	CA	4	-116.921	32.857	0.58	3.42
Northridge	1/17/94	Lebec	CA	4	-118.864	34.842	-1.29	5.29

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Northridge	1/17/94	Lemon Grove	CA	4	-117.031	32.743	0.58	3.42
Northridge	1/17/94	Leucadia	CA	4	-117.303	33.068	0.18	3.82
Northridge	1/17/94	Loma Portal	CA	4	-117.218	32.744	0.40	3.60
Northridge	1/17/94	Lompoc	CA	4	-120.457	34.639	0.41	3.59
Northridge	1/17/94	Lone Pine	CA	4	-118.062	36.606	1.72	2.28
Northridge	1/17/94	Los Nietos	CA	4	-118.070	33.968	-2.75	6.75
Northridge	1/17/94	Los Olivos	CA	4	-120.114	34.668	0.30	3.70
Northridge	1/17/94	Lost Hills	CA	4	-119.693	35.616	-0.23	4.23
Northridge	1/17/94	Ludlow	CA	4	-116.159	34.721	1.03	2.97
Northridge	1/17/94	Maricopa	CA	4	-119.400	35.059	0.15	3.85
Northridge	1/17/94	Mcfarland	CA	4	-119.228	35.678	-0.02	4.02
Northridge	1/17/94	Mira Loma	CA	4	-117.516	33.993	-1.47	5.47
Northridge	1/17/94	Mira Mesa	CA	4	-117.143	32.916	0.19	3.81
Northridge	1/17/94	Mission Beach	CA	4	-117.251	32.783	0.29	3.71
Northridge	1/17/94	Morro Bay	CA	4	-120.849	35.366	-0.20	4.20
Northridge	1/17/94	Mountain Pass	CA	4	-115.544	35.470	2.54	1.46
Northridge	1/17/94	National City	CA	4	-117.098	32.678	1.13	2.87
Northridge	1/17/94	New Cuyama	CA	4	-119.684	34.947	0.19	3.81
Northridge	1/17/94	Nipomo	CA	4	-120.475	35.043	-0.31	4.31
Northridge	1/17/94	Nuevo	CA	4	-117.145	33.801	-0.65	4.65
Northridge	1/17/94	Oceano	CA	4	-120.611	35.099	0.44	3.56
Northridge	1/17/94	Ocotillo	CA	4	-115.993	32.739	2.51	1.49
Northridge	1/17/94	Palm Desert	CA	4	-116.374	33.722	0.78	3.22
Northridge	1/17/94	Palm Springs	CA	4	-116.544	33.830	0.39	3.61
Northridge	1/17/94	Pauma Valley	CA	4	-116.981	33.303	-0.28	4.28
Northridge	1/17/94	Perris	CA	4	-117.228	33.783	-0.77	4.77
Northridge	1/17/94	Pioneertown	CA	4	-116.495	34.157	0.09	3.91
Northridge	1/17/94	Pixley	CA	4	-119.291	35.969	0.94	3.06
Northridge	1/17/94	Porterville	CA	4	-119.016	36.065	0.59	3.41
Northridge	1/17/94	Quail Valley	CA	4	-117.244	33.707	-1.08	5.08
Northridge	1/17/94	Rancho Mirage	CA	4	-116.412	33.740	0.69	3.31
Northridge	1/17/94	Rancho Santa Fe	CA	4	-117.202	33.020	0.38	3.62
Northridge	1/17/94	Red Mountain	CA	4	-117.616	35.358	-0.55	4.55
Northridge	1/17/94	Rialto	CA	4	-117.369	34.106	-1.29	5.29
Northridge	1/17/94	Romoland	CA	4	-117.174	33.746	-0.99	4.99
Northridge	1/17/94	Salton City	CA	4	-115.940	33.310	1.91	2.09
Northridge	1/17/94	San Diego	CA	4	-117.156	32.715	0.99	3.01
Northridge	1/17/94	San Jacinto	CA	4	-116.958	33.784	0.19	3.81
Northridge	1/17/94	San Ysidro	CA	4	-117.042	32.552	1.42	2.58
Northridge	1/17/94	Santa Ysabel	CA	4	-116.672	33.109	0.96	3.04
Northridge	1/17/94	Santee	CA	4	-116.973	32.838	0.98	3.02
Northridge	1/17/94	Shafter	CA	4	-119.271	35.501	0.13	3.87
Northridge	1/17/94	Shandon	CA	4	-120.374	35.655	-0.09	4.09
Northridge	1/17/94	Shoshone	CA	4	-116.270	35.973	2.17	1.83
Northridge	1/17/94	Skyforest	CA	4	-117.178	34.235	1.37	2.63
Northridge	1/17/94	Solana Beach	CA	4	-117.270	32.991	0.35	3.65
Northridge	1/17/94	Solvang	CA	4	-120.137	34.596	-0.25	4.25
Northridge	1/17/94	Strathmore	CA	4	-119.060	36.146	0.25	3.75

**Table 1. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Training-set Events**

Event Code	Event Date	Name	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Northridge	1/17/94	Sugarloaf	CA	4	-116.828	34.243	-0.31	4.31
Northridge	1/17/94	Sun City	CA	4	-117.196	33.709	-0.64	4.64
Northridge	1/17/94	Tecopa	CA	4	-116.226	35.848	2.05	1.95
Northridge	1/17/94	Templeton	CA	4	-120.705	35.550	0.10	3.90
Northridge	1/17/94	Terra Bella	CA	4	-119.043	35.963	-0.18	4.18
Northridge	1/17/94	Thousand Palms	CA	4	-116.389	33.820	0.68	3.32
Northridge	1/17/94	Trona	CA	4	-117.372	35.763	1.15	2.85
Northridge	1/17/94	Tulare	CA	4	-119.346	36.208	-0.02	4.02
Northridge	1/17/94	Visalia	CA	4	-119.291	36.330	0.27	3.73
Northridge	1/17/94	Warner Springs	CA	4	-116.633	33.282	0.29	3.71
Northridge	1/17/94	Wofford Heights	CA	4	-118.455	35.707	-0.96	4.96
Northridge	1/17/94	Yucaipa	CA	4	-117.042	34.034	-0.64	4.64
Northridge	1/17/94	Amboy	CA	3	-115.744	34.558	0.76	2.24
Northridge	1/17/94	Armagosa Valley	NV	3	-116.399	36.644	2.06	0.94
Northridge	1/17/94	Arroyo Grande	CA	3	-120.590	35.119	0.39	2.61
Northridge	1/17/94	Avenal	CA	3	-120.128	36.004	0.21	2.79
Northridge	1/17/94	Biola	CA	3	-120.015	36.802	-0.08	3.08
Northridge	1/17/94	Cadiz	CA	3	-115.512	34.520	1.69	1.31
Northridge	1/17/94	Cambria	CA	3	-121.080	35.564	0.22	2.78
Northridge	1/17/94	Clairemont	CA	3	-117.192	32.797	-0.67	3.67
Northridge	1/17/94	Death Valley Junction	CA	3	-116.413	36.302	2.02	0.98
Northridge	1/17/94	Del Rey	CA	3	-119.593	36.659	0.11	2.89
Northridge	1/17/94	Fresno	CA	3	-119.771	36.748	0.10	2.90
Northridge	1/17/94	Glennville	CA	3	-118.703	35.729	-0.61	3.61
Northridge	1/17/94	Henderson	NV	3	-114.981	36.040	3.96	-0.96
Northridge	1/17/94	Holtville	CA	3	-115.379	32.811	1.90	1.10
Northridge	1/17/94	Independence	CA	3	-118.199	36.803	0.87	2.13
Northridge	1/17/94	Ivanhoe	CA	3	-119.217	36.387	-0.34	3.34
Northridge	1/17/94	Julian	CA	3	-116.601	33.079	-0.28	3.28
Northridge	1/17/94	Kingsburg	CA	3	-119.553	36.514	-0.11	3.11
Northridge	1/17/94	Las Vegas	NV	3	-115.150	36.183	3.58	-0.58
Northridge	1/17/94	Laton	CA	3	-119.686	36.433	0.03	2.97
Northridge	1/17/94	Los Osos	CA	3	-120.831	35.311	-0.11	3.11
Northridge	1/17/94	Needles	CA	3	-114.613	34.848	2.95	0.05
Northridge	1/17/94	Palo Verde	CA	3	-114.731	33.433	2.47	0.53
Northridge	1/17/94	Paso Robles	CA	3	-120.690	35.627	-0.16	3.16
Northridge	1/17/94	Pismo Beach	CA	3	-120.640	35.143	0.01	2.99
Northridge	1/17/94	Raisin	CA	3	-119.910	36.610	0.59	2.41
Northridge	1/17/94	Ramona	CA	3	-116.867	33.042	0.28	2.72
Northridge	1/17/94	Richgrove	CA	3	-119.107	35.797	-1.21	4.21
Northridge	1/17/94	Riverdale	CA	3	-119.859	36.431	-0.29	3.29
Northridge	1/17/94	San Luis Obispo	CA	3	-120.659	35.283	0.17	2.83
Northridge	1/17/94	Santa Margarita	CA	3	-120.608	35.390	-0.41	3.41
Northridge	1/17/94	Santa Maria	CA	3	-120.435	34.953	-0.15	3.15
Northridge	1/17/94	Thermal	CA	3	-116.139	33.640	0.76	2.24
Northridge	1/17/94	Three Rivers	CA	3	-118.904	36.439	0.19	2.81
Northridge	1/17/94	Turlock	CA	3	-120.846	37.495	0.35	2.65
Northridge	1/17/94	Winterhaven	CA	3	-114.634	32.739	3.40	-0.40

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Acampo	CA	-121.278	38.175	Q	6		-0.62	5
Acton	CA	-118.196	34.470	grMz	1		-1.79	2
Adelaida	CA	-120.873	35.646	M	3		-0.79	1
Adelanto	CA	-117.408	34.583	Q	6		-0.83	2
Agnew	CA	-121.958	37.395	Q	6	IV	-0.28	2
Agoura	CA	-118.737	34.143	M	3		-0.80	2
Agua Dulce	CA	-118.325	34.496	pC	1		-0.93	2
Aguanga	CA	-116.864	33.443	Q	6		-0.15	1
Ahwahnee	CA	-119.725	37.366	grMz	1		-0.25	4
Alameda Naval Air Station	CA	-122.320	37.790	Q	6	IV	0.69	1
Alamo	CA	-122.031	37.850	O	2	III	-0.29	4
Albany	CA	-122.297	37.887	Q	6		-0.31	1
Albion	CA	-123.768	39.224	TK	1		1.36	2
Aldercroft Heights	CA	-121.968	37.161	KJf	1	Ib	-0.88	1
Alhambra	CA	-118.126	34.095	Q	6		-0.58	2
Alleghany	CA	-120.842	39.470	mv	1		-1.47	1
Alpaugh	CA	-119.486	35.888	Q	6		0.17	8
Alta	CA	-120.810	39.207	Tvp	1		1.08	4
Alta Loma	CA	-117.597	34.122	Q	6		-1.21	2
Altadena	CA	-118.130	34.190	Q	6		-0.37	1
Altaville	CA	-120.561	38.084	mv	1		-0.37	3
Alviso	CA	-121.974	37.426	Q	6	IV	-1.27	5
Amador City	CA	-120.823	38.419	J	1		0.00	2
Amboy	CA	-115.744	34.558	Tc	1		0.76	2
Anaheim	CA	-117.914	33.835	Q	6		-0.40	2
Anderson	CA	-122.297	40.448	Q	6		-0.06	1
Angels Camp	CA	-120.539	38.068	mv	1		-0.24	3
Angelus Oaks	CA	-116.982	34.146	grMz	1		0.17	1
Angwin	CA	-122.449	38.576	Tvp	1		-0.54	1
Annette	CA	-120.178	35.651	QPc	5		0.14	1
Antioch	CA	-121.805	38.005	Q	6		-0.36	7
Anza	CA	-116.673	33.555	Q	6		0.06	1
Apple Valley	CA	-117.185	34.501	Q	6		-0.46	2
Applegate	CA	-120.991	39.001	J	1		0.14	2
Aptos	CA	-121.898	36.977	Q	6	III	-0.90	6
Arbuckle	CA	-122.057	39.018	Q	6		-1.01	2
Arcadia	CA	-118.034	34.140	Q	6		-0.99	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geololg Class	Soil Class	Site Corr	No. of Training- set Events
Arleta	CA	-118.427	34.243	Q	6		-0.57	1
Armagosa Valley	NV	-116.399	36.644				2.06	1
Armona	CA	-119.708	36.316	Q	6		-0.24	7
Aromas	CA	-121.642	36.889	Q	6		-0.42	5
Arrowbear Lake	CA	-117.083	34.211	grMz	1		-1.03	1
Arroyo Grande	CA	-120.590	35.119	Q	6		0.39	8
Artesia	CA	-118.082	33.866	Q	6		-1.70	1
Artois	CA	-122.193	39.620	Q	6		0.62	2
Arvin	CA	-118.828	35.209	Q	6		0.57	3
Atascadero	CA	-120.670	35.489	M	3		0.38	9
Atherton	CA	-122.197	37.461	Q	6	III	-0.89	1
Atwater	CA	-120.608	37.348	Qs	6		0.05	6
Atwood	CA	-117.830	33.866	Q	6		-1.23	1
Auberry	CA	-119.484	37.081	grMz	1		0.73	4
Auburn	CA	-121.076	38.897	Mzv	1		-0.19	1
Avalon	CA	-118.327	33.343	grCz	1		-0.71	2
Avenal	CA	-120.128	36.004	Q	6		0.21	7
Avery	CA	-120.369	38.204	grMz	1		-0.46	4
Avila Beach	CA	-120.731	35.180	Tvp	1		0.84	6
Azusa	CA	-117.907	34.134	Q	6		-1.77	2
Badger	CA	-119.012	36.631	grMz	1		-0.69	2
Baker	CA	-116.074	35.265	Q	6		1.58	2
Bakersfield	CA	-119.018	35.373	Q	6		0.08	5
Baldwin Park	CA	-117.960	34.085	Q	6		-1.31	2
Ballico	CA	-120.705	37.454	Q	6		-0.12	6
Bangor	CA	-121.404	39.389	Ec	2		0.73	2
Banning	CA	-116.876	33.926	Q	6		-0.57	1
Banta	CA	-121.370	37.754	Q	6		1.46	4
Barstow	CA	-117.022	34.899	Ti	1		-0.39	2
Barton	CA	-119.770	36.720	Q	6		-2.56	1
Bass Lake	CA	-119.565	37.325	grMz	1		-0.17	6
Baxter	CA	-120.780	39.213	Tvp	1		-0.25	1
Bayside	CA	-124.063	40.843	P	4		7.44	1
Baywood Park	CA	-120.834	35.326	Qs	6		-0.22	1
Beale Air Force Base	CA	-121.440	39.140	QPc	5		0.02	1
Beatty	NV	-116.758	36.909				1.39	1
Beaumont	CA	-116.976	33.929	Q	6		-0.46	2
Belden	CA	-121.248	40.006	Pz	1		-0.33	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Bell	CA	-118.186	33.978	Q	6		-2.02	1
Bell Gardens	CA	-118.151	33.965	Q	6		-1.42	2
Bellflower	CA	-118.116	33.882	Q	6		-1.23	2
Belmont	CA	-122.275	37.520	Q	6	III	-0.33	5
Belvedere	CA	-122.463	37.873	KJfs	1	Ib	-1.47	2
Ben Lomond	CA	-122.085	37.089	M	3	Ib	-1.15	4
Benicia	CA	-122.158	38.049	Ep	2		-0.47	5
Berkeley	CA	-122.272	37.872	Q	6	III	-0.02	6
Berry Creek	CA	-121.402	39.645	grMz	1		-0.20	1
Bethel Island	CA	-121.639	38.015	Q	6		-0.37	7
Beverly Hills	CA	-118.399	34.074	Q	6		-0.35	2
Bieber	CA	-121.143	41.121	QPc	5		0.18	1
Big Bear City	CA	-116.844	34.261	Q	6		0.15	2
Big Bear Lake	CA	-116.911	34.244	Q	6		-0.47	2
Big Creek	CA	-119.245	37.205	grMz	1		0.64	4
Big Oak Flat	CA	-120.257	37.824	grMz	1		-0.40	2
Big Pine	CA	-118.289	37.165	Q	6		1.23	2
Big Sur	CA	-121.806	36.270	Ku	1		-0.51	6
Biggs	CA	-121.712	39.413	Q	6		-0.39	1
Biola	CA	-120.015	36.802	Q	6		-0.08	8
Birds Landing	CA	-121.870	38.133	QPc	5		-0.70	1
Bishop	CA	-118.394	37.364	Q	6		2.64	7
Bitterwater	CA	-121.002	36.380	Q	6		0.58	1
Blairsden	CA	-120.616	39.781	Q	6		2.08	3
Bloomington	CA	-117.395	34.070	Q	6		-0.81	2
Blossom Hill	CA	-121.840	37.250	Q	6	III	-0.88	1
Blythe	CA	-114.596	33.610	Q	6		3.61	2
Bodega	CA	-122.973	38.345	P	4		-0.27	3
Bodega Bay	CA	-123.047	38.333	Q	6		-0.04	4
Bodfish	CA	-118.491	35.588	gb	1		-0.29	4
Bolinas	CA	-122.685	37.909	P	4		0.39	5
Bombay Beach	CA	-115.730	33.360	Q	6		2.90	1
Bonita	CA	-117.029	32.658	Ec	2		0.78	1
Bonny Doon	CA	-122.150	37.040	sch	1	Ib	-1.71	1
Bonsall	CA	-117.225	33.289	Q	6		-0.10	2
Boonville	CA	-123.365	39.009	Q	6		-0.13	2
Boron	CA	-117.649	34.999	Tc	1		-1.23	2
Borrego Springs	CA	-116.374	33.256	Q	6		0.74	2
Boulder City	NV	-114.832	35.979				2.51	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Boulder Creek	CA	-122.121	37.126	M	3	III	-0.47	6
Boulevard	CA	-116.260	32.670	grMz	1		1.62	1
Boyes Hot Springs	CA	-122.481	38.314	Q	6		-0.25	2
Bradley	CA	-120.800	35.863	Q	6		-0.98	5
Brawley	CA	-115.529	32.979	Q	6		2.45	2
Brea	CA	-117.899	33.917	Q	6		-1.51	2
Brentwood	CA	-121.695	37.932	Q	6		-0.37	6
Brisbane	CA	-122.399	37.681	Ku	1	III	0.07	6
Broderick	CA	-121.516	38.591	Q	6		0.28	4
Brookdale	CA	-122.105	37.106	M	3	lb	-0.41	5
Brooks	CA	-122.147	38.742	QPc	5		0.48	2
Browns Valley	CA	-121.408	39.242	Mzv	1		-0.36	3
Brownsville	CA	-121.268	39.473	Mzv	1		-0.22	1
Bryn Mawr	CA	-117.230	34.048	Q	6		-0.71	1
Bryson	CA	-121.089	35.807	Ku-Ep	1		-0.63	1
Bryte	CA	-121.541	38.595	Q	6		-0.17	2
Buellton	CA	-120.192	34.614	Q	6		0.19	5
Buena Park	CA	-117.997	33.868	Q	6		-1.56	2
Burbank	CA	-118.308	34.181	Q	6		-0.44	2
Burlingame	CA	-122.365	37.584	Q	6	III	-0.04	5
Burrel	CA	-119.984	36.488	Q	6		0.08	5
Burson	CA	-120.890	38.190	Ec	2		-1.42	1
Butte City	CA	-121.989	39.465	Q	6		-0.91	1
Buttonwillow	CA	-119.469	35.401	Q	6		0.57	7
Byron	CA	-121.637	37.867	Q	6	III	-0.40	7
Cabazon	CA	-116.786	33.918	Q	6		-0.61	2
Cachuma	CA	-119.960	34.570	M	3		0.54	1
Cadiz	CA	-115.512	34.520	Tc	1		1.69	2
Calabasas	CA	-118.638	34.158	Q	6		-2.35	1
Calexico	CA	-115.498	32.679	Q	6		2.87	2
Caliente	CA	-118.627	35.291	Tc	1		0.15	2
California City	CA	-117.985	35.126	Tc	1		-0.86	2
California Hot Springs	CA	-118.673	35.880	grMz	1		0.03	4
California Valley	CA	-120.006	35.320	Q	6		-0.16	2
Calimesa	CA	-117.061	34.004	Q	6		-0.16	2
Calipatria	CA	-115.513	33.126	Q	6		2.49	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolog Class	Soil Class	Site Corr	No. of Training- set Events
Calistoga	CA	-122.579	38.579	Q	6		-0.10	3
Calwa	CA	-119.758	36.711	Q	6		-1.56	1
Camarillo	CA	-119.037	34.216	Q	6		0.50	3
Cambria	CA	-121.080	35.564	Ku-Ep	1		0.22	5
Cambrian Park	CA	-121.930	37.257	Q	6	III	-0.72	1
Camino	CA	-120.674	38.738	Tvp	1		0.38	5
Camp Connell	CA	-120.277	38.309	grMz	1		-1.09	1
Camp Meeker	CA	-122.958	38.425	KJfm	1		0.52	1
Camp Nelson	CA	-118.608	36.143	m	1		-0.10	1
Campbell	CA	-121.949	37.287	Q	6	III	-0.80	5
Campo	CA	-116.468	32.606	grMz	1		5.97	1
Campo Seco	CA	-120.852	38.227	Mzv	1		-1.28	2
Camptonville	CA	-121.048	39.452	Pz	1		1.37	3
Canoga Park	CA	-118.597	34.201	Q	6		0.47	3
Cantil	CA	-117.968	35.309	Tc	1		-0.87	1
Cantua Creek	CA	-120.315	36.501	Q	6		-0.40	7
Canyondam	CA	-121.072	40.172	Tv	1		0.14	1
Capistrano Beach	CA	-117.671	33.463	Q	6		-0.46	2
Capitola	CA	-121.952	36.975	P	4	III	-0.50	6
Cardiff-By-The-Sea	CA	-117.280	33.022	Q	6		-0.26	1
Caribou	CA	-121.157	40.081	TR	1		-1.11	1
Carlsbad	CA	-117.350	33.158	Q	6		-0.04	2
Carmel	CA	-121.920	36.560	Q	6		0.10	6
Carmel Valley	CA	-121.731	36.480	Q	6		-0.62	6
Carmel-By-The-Sea	CA	-121.922	36.555	Q	6		-1.09	1
Carmichael	CA	-121.327	38.617	QPc	5		-0.11	2
Carnelian Bay	CA	-120.081	39.227	Qv	1		1.64	3
Carpinteria	CA	-119.518	34.399	Q	6		-0.06	4
Carson	CA	-118.281	33.831	Q	6		-0.77	2
Carson City	NV	-119.766	39.164				1.92	6
Cartago	CA	-118.026	36.321	Q	6		1.43	3
Caruthers	CA	-119.832	36.543	Q	6		-0.03	7
Casa De Fruta	CA	-121.370	37.000	Q	6	III	0.77	1
Casmalia	CA	-120.530	34.838	M	3		0.41	2
Caspar	CA	-123.815	39.364	Q	6		0.33	1
Cassel	CA	-121.547	40.919	Qv	1		-0.35	1
Castaic	CA	-118.622	34.489	Q	6		-0.80	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Castle Air Force Base	CA	-120.570	37.380	Q	6		0.03	4
Castro Valley	CA	-122.085	37.694	Ti	1	III	-0.43	4
Castroville	CA	-121.757	36.766	Q	6		-0.54	7
Cathedral City	CA	-116.464	33.780	Q	6		0.57	2
Catheys Valley	CA	-120.097	37.433	grMz	1		-0.77	5
Cayucos	CA	-120.891	35.443	KJf	1		-0.73	5
Cazadero	CA	-123.084	38.533	KJfm	1		0.85	1
Cedar Glen	CA	-117.164	34.254	grMz	1		-0.45	2
Cedar Ridge	CA	-121.020	39.199	Tvp	1		1.13	3
Cedarpines Park	CA	-117.325	34.250	grMz	1		-1.01	1
Century City	CA	-118.417	34.056	Q	6		-0.82	2
Ceres	CA	-120.957	37.595	Q	6		-0.37	6
Cerritos	CA	-118.064	33.858	Q	6		-1.13	2
Challenge	CA	-121.223	39.488	Mzv	1		0.71	2
Chatsworth	CA	-118.600	34.257	Q	6		0.43	3
Chemetka Park	CA	-121.980	37.163	KJf	1	lb	-0.87	1
Cherry Valley	CA	-116.976	33.973	Q	6		-0.20	1
Chester	CA	-121.231	40.306	Q	6		1.34	2
Chicago Park	CA	-120.960	39.150	Mzv	1		-0.47	1
Chico	CA	-121.836	39.729	Q	6		-0.47	2
China Lake	CA	-117.661	35.651	Q	6		1.06	2
Chinese Camp	CA	-120.432	37.871	um	1		-1.05	4
Chino	CA	-117.688	34.012	Q	6		-1.29	2
Cholame	CA	-120.296	35.724	QPc	5		-0.18	5
Chowchilla	CA	-120.259	37.123	Q	6		-0.33	7
Chualar	CA	-121.518	36.571	Q	6		-0.28	5
Chula Vista	CA	-117.083	32.640	Q	6		0.71	2
Cima	CA	-115.498	35.238	Q	6		1.70	1
Citrus Heights	CA	-121.280	38.707	QPc	5		-0.11	3
Clairemont	CA	-117.192	32.797	E	2		-0.67	1
Claremont	CA	-117.719	34.097	Q	6		-1.41	2
Clarksburg	CA	-121.526	38.421	Q	6		0.10	4
Clearlake Highlands	CA	-122.671	39.026	QPc	5		-0.44	1
Clearlake Oaks	CA	-122.650	38.967	Qv	1		0.94	1
Clements	CA	-121.087	38.191	Q	6		-0.85	6
Clinter	CA	-119.780	36.730	Q	6		-1.55	1
Clio	CA	-120.579	39.743	Q	6		-0.88	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Clipper Mills	CA	-121.156	39.533	grMz	1		-1.00	1
Cloverdale	CA	-123.016	38.806	Q	6		0.33	1
Clovis	CA	-119.702	36.825	Q	6		0.54	9
Coachella	CA	-116.173	33.680	Q	6		1.67	2
Coalinga	CA	-120.359	36.140	Q	6		0.29	8
Coarsegold	CA	-119.700	37.262	grMz	1		-0.30	3
Cobb	CA	-122.722	38.822	KJf	1		0.15	1
Cold Springs	CA	-120.052	38.163	grMz	1		1.00	1
Coleville	CA	-119.506	38.566	Q	6		1.20	2
Colfax	CA	-120.952	39.101	J	1		-1.39	1
College City	CA	-122.008	39.006	Q	6		-1.39	1
Colma	CA	-122.459	37.677	Q	6	III	-0.34	2
Coloma	CA	-120.889	38.800	grMz	1		-0.82	1
Colton	CA	-117.313	34.074	Q	6		-0.66	2
Columbia	CA	-120.400	38.036	Is	1		0.12	1
Colusa	CA	-122.008	39.214	Q	6		-0.97	2
Compton	CA	-118.219	33.896	Q	6		1.00	3
Concord	CA	-122.030	37.978	Q	6		-0.72	5
Copperopolis	CA	-120.641	37.981	Mzv	1		-0.43	6
Corcoran	CA	-119.559	36.098	Q	6		0.16	7
Corning	CA	-122.178	39.928	Q	6		-0.36	2
Corona	CA	-117.566	33.875	Q	6		-1.44	2
Corona Del Mar	CA	-117.872	33.598	Q	6		-0.94	2
Coronado	CA	-117.182	32.686	Q	6		1.52	2
Corralitos	CA	-121.805	36.989	Q	6	III	0.16	3
Corte Madera	CA	-122.526	37.926	KJfm	1		-0.58	4
Costa Mesa	CA	-117.918	33.641	Q	6		-0.57	2
Cotati	CA	-122.706	38.327	Q	6		-0.99	2
Cottonwood	CA	-122.280	40.386	Q	6		0.64	2
Coulterville	CA	-120.197	37.711	mv	1		-1.49	3
Courtland	CA	-121.568	38.331	Q	6		-0.15	5
Covina	CA	-117.889	34.090	Q	6		-1.20	2
Coyote	CA	-121.739	37.217	Q	6	III	-0.69	2
Coyote Dam	CA	-121.540	37.090	water		Ib	0.67	1
Crescent Mills	CA	-120.910	40.097	Q	6		0.14	1
Cressey	CA	-120.666	37.420	Qs	6		-0.16	5
Crest Park	CA	-117.196	34.234	grMz	1		-0.51	2
Crestline	CA	-117.285	34.242	grMz	1		-0.67	2
Creston	CA	-120.523	35.519	Q	6		-0.29	5

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Crockett	CA	-122.212	38.053	Q	6		-0.62	5
Crows Landing	CA	-121.071	37.394	Q	6		-0.58	8
Cucamonga	CA	-117.592	34.106	Q	6		-0.40	1
Culver City	CA	-118.396	34.021	Q	6		-0.74	2
Cupertino	CA	-122.031	37.323	Q	6	III	-0.93	5
Cutler	CA	-119.286	36.523	Q	6		-0.20	3
Cuyama	CA	-119.614	34.935	Q	6		-0.53	3
Cuyama Peak	CA	-119.480	34.760	E	2		0.55	1
Cypress	CA	-118.036	33.817	Q	6		-0.48	1
Daggett	CA	-116.887	34.863	Tc	1		-0.19	2
Daly City	CA	-122.461	37.706	Ku	1	lb	0.17	6
Dana Point	CA	-117.697	33.467	Q	6		-0.50	2
Danville	CA	-121.999	37.822	Q	6	III	-0.24	6
Darwin	CA	-117.591	36.268	Q	6		0.42	1
Davenport	CA	-122.191	37.012	M	3	III	-0.71	4
Davis	CA	-121.739	38.545	Q	6		-0.63	5
Dayton	NV	-119.592	39.237				-0.21	1
Death Valley	CA	-116.870	36.500	Tc	1		2.30	1
Death Valley Junction	CA	-116.413	36.302	Q	6		2.02	2
Del Mar	CA	-117.264	32.959	Q	6		0.42	2
Del Rey	CA	-119.593	36.659	Q	6		0.11	7
Del Rey Oaks	CA	-121.834	36.593	Qs	6		-1.18	1
Delano	CA	-119.246	35.769	Q	6		-0.01	5
Delevan	CA	-122.190	39.354	Q	6		-0.53	1
Delhi	CA	-120.778	37.432	Qs	6		-0.05	8
Denair	CA	-120.796	37.526	Q	6		0.23	8
Desert Center	CA	-115.401	33.713	Q	6		2.56	2
Desert Hot Springs	CA	-116.501	33.961	Q	6		0.39	2
Di Giorgio	CA	-118.851	35.253	Q	6		-0.61	3
Diablo	CA	-121.957	37.835	QPc	5	III	-0.85	5
Diamond Bar	CA	-117.838	33.978	M	3		-1.50	2
Diamond Springs	CA	-120.814	38.695	grMz	1		-0.55	1
Dillon Beach	CA	-122.964	38.251	Qs	6		0.22	4
Dinuba	CA	-119.386	36.543	Q	6		0.01	6
Dixon	CA	-121.822	38.446	Q	6		-0.15	5
Dobbins	CA	-121.205	39.372	gb	1		-1.09	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolog Class	Soil Class	Site Corr	No. of Training- set Events
Dos Palos	CA	-120.626	36.986	Q	6		0.20	8
Douglas Flat	CA	-120.454	38.114	Tvp	1		0.00	1
Downey	CA	-118.132	33.940	Q	6		-1.35	2
Downieville	CA	-120.826	39.559	Pz	1		-0.42	1
Doyle	CA	-120.103	40.028	Q	6		2.94	1
Duarte	CA	-117.976	34.139	Q	6		-2.07	1
Dublin	CA	-121.935	37.702	Q	6	III	-0.08	4
Ducor	CA	-119.046	35.892	Q	6		-0.19	5
Dulzura	CA	-116.781	32.644	Mzv	1		1.00	1
Duncans Mills	CA	-123.054	38.454	Q	6		0.67	1
Dunlap	CA	-119.120	36.738	grMz	1		-0.78	2
Dunnigan	CA	-121.969	38.885	Q	6		0.51	3
Durham	CA	-121.799	39.646	Q	6		-1.06	1
Dutch Flat	CA	-120.837	39.206	mv	1		0.73	4
Dyer	NV	-118.080	37.680				0.21	1
Eagle Mountain	CA	-115.486	33.858	Q	6		1.59	1
Earlismart	CA	-119.271	35.884	Q	6		0.22	5
Earp	CA	-114.300	34.165	Q	6		2.71	1
East Fresno (Fresno)	CA	-119.700	36.750	Q	6		-2.42	1
East Highlands	CA	-117.170	34.110	Q	6		-1.65	1
East Las Vegas	NV	-115.041	36.094				3.30	1
East Los Angeles	CA	-118.171	34.024	Q	6		-2.10	1
East Nicolaus	CA	-121.544	38.910	Q	6		-0.01	2
East Palo Alto	CA	-122.140	37.469	Q	6	III	0.21	3
Easton	CA	-119.790	36.650	Q	6		-1.21	2
Echo Lake	CA	-120.041	38.834	Qg	6		0.31	1
Edison	CA	-118.871	35.348	Q	6		0.02	4
Edwards	CA	-117.934	34.926	Q	6		1.29	1
El Cajon	CA	-116.962	32.795	Q	6		1.07	2
El Centro	CA	-115.562	32.792	Q	6		2.76	1
El Cerrito	CA	-122.311	37.916	Q	6		-0.37	4
El Dorado	CA	-120.847	38.683	Mzv	1		-0.56	1
El Granada	CA	-122.468	37.503	Q	6	III	-0.48	4
El Macero	CA	-121.693	38.547	Q	6		0.26	1
El Monte	CA	-118.027	34.069	Q	6		-1.40	2
El Portal	CA	-119.783	37.675	grMz	1		0.38	5
El Segundo	CA	-118.416	33.919	Q	6		-1.96	1
El Sobrante	CA	-122.294	37.977	QPc	5		0.04	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
El Toro	CA	-117.693	33.626	Q	6		-0.84	1
El Toro (Lake Forest)	CA	-117.693	33.626	Q	6		-0.70	1
El Verano	CA	-122.491	38.298	Q	6		0.36	3
Eldridge	CA	-122.510	38.340	Q	6		-0.88	3
Elk	CA	-123.717	39.130	TK	1		0.62	1
Elk Creek	CA	-122.538	39.605	Q	6		-0.90	1
Elk Grove	CA	-121.371	38.409	Q	6		-0.23	5
Elmira	CA	-121.909	38.348	Q	6		-0.42	5
Elverta	CA	-121.462	38.714	Q	6		0.55	3
Emeryville	CA	-122.284	37.831	Q	6	IV	0.24	2
Emigrant Gap	CA	-120.672	39.297	Pz	1		0.70	2
Encinitas	CA	-117.291	33.037	Q	6		0.25	2
Encino	CA	-118.500	34.159	M	3		-0.48	1
Escalon	CA	-120.996	37.798	Q	6		-0.67	5
Escondido	CA	-117.086	33.119	grMz	1		0.86	2
Esparto	CA	-122.016	38.692	Q	6		-0.09	3
Essex	CA	-115.244	34.734	Q	6		2.74	2
Eureka	CA	-124.163	40.802	Q	6		4.78	2
Exeter	CA	-119.141	36.296	Q	6		0.14	5
Fairfax	CA	-122.588	37.987	Q	6		-0.48	5
Fairfield	CA	-122.039	38.249	Q	6		-0.14	5
Fallbrook	CA	-117.250	33.376	grMz	1		0.23	2
Fallen Leaf	CA	-120.072	38.883	Qg	6		0.21	1
Fallon	NV	-118.776	39.474				3.69	1
Fallon Naval Air Station	NV	-118.690	39.420				3.72	1
Farmersville	CA	-119.206	36.298	Q	6		0.17	5
Farmington	CA	-120.999	37.930	Q	6		0.04	4
Fawnskin	CA	-116.942	34.268	Q	6		-0.03	2
Feather Falls	CA	-121.255	39.593	grMz	1		-0.10	1
Fellows	CA	-119.540	35.179	Q	6		0.35	4
Felton	CA	-122.072	37.051	M	3	III	-0.53	6
Fernley	NV	-119.250	39.610				1.63	2
Fiddletown	CA	-120.754	38.504	Pz	1		-0.20	2
Fig Garden Village	CA	-119.860	36.820	Q	6		-0.46	1
Fillmore	CA	-118.917	34.399	Q	6		0.66	4
Finley	CA	-122.874	39.004	Q	6		1.54	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Firebaugh	CA	-120.455	36.859	Q	6		-0.02	8
Fish Camp	CA	-119.639	37.479	grMz	1		-0.99	1
Flintridge	CA	-118.180	34.190	Q	6		-0.43	1
Florence	CA	-118.247	33.974	Q	6		-1.05	1
Folsom	CA	-121.175	38.678	Q	6		-0.82	1
Fontana	CA	-117.434	34.092	Q	6		-1.40	2
Forbestown	CA	-121.266	39.517	Mzv	1		-1.20	1
Forest Falls	CA	-116.919	34.088	grMz	1		-0.44	2
Forest Knolls	CA	-122.688	38.015	KJfm	1		0.27	4
Forest Ranch	CA	-121.672	39.882	Tvp	1		-0.69	1
Foresthill	CA	-120.817	39.020	Tvp	1		1.08	5
Forestville	CA	-122.889	38.474	P	4		0.05	2
Fort Bragg	CA	-123.804	39.446	Q	6		1.30	1
Fort Irwin	CA	-116.690	35.260	Tc	1		0.44	1
Fort Ord	CA	-121.800	36.660	Qs	6		-0.44	5
Fort Tejon	CA	-118.880	34.850	grMz	1		0.16	1
Fortuna	CA	-124.156	40.598	Q	6		3.90	1
Foster City	CA	-122.270	37.559	Q	6	IV	-0.31	4
Fountain Valley	CA	-117.953	33.709	Q	6		-1.23	2
Fowler	CA	-119.678	36.631	Q	6		-0.09	7
Frazier Park	CA	-118.944	34.823	Q	6		-0.18	4
Freedom	CA	-121.772	36.935	Q	6	III	-0.84	4
French Camp	CA	-121.270	37.884	Q	6		-0.18	6
Fresno	CA	-119.771	36.748	Q	6		0.10	9
Friant	CA	-119.711	36.988	Q	6		0.49	6
Fullerton	CA	-117.924	33.870	Q	6		0.00	3
Fulton	CA	-122.769	38.496	Q	6		0.44	3
Gabbs	NV	-117.920	38.870				3.08	2
Galt	CA	-121.299	38.255	Q	6		-0.72	4
Garden Grove	CA	-117.941	33.774	Q	6		-1.34	2
Garden Valley	CA	-120.858	38.854	J	1		0.57	2
Gardena	CA	-118.308	33.888	Q	6		-1.41	2
Gardnerville	NV	-119.749	38.941				1.35	4
Gavin Canyon	CA	-118.540	34.350	P	4		1.52	1
Gaviota	CA	-120.214	34.472	M	3		0.50	2
Genoa	NV	-119.846	39.004				2.05	3
Georgetown	CA	-120.838	38.907	J	1		0.56	4
Gerber	CA	-122.149	40.056	Q	6		-0.95	1
Gerlach	NV	-119.360	40.650		7		1.01	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Gilman Hot Springs	CA	-116.988	33.836	Q	6		-0.10	1
Gilroy	CA	-121.567	37.006	Q	6	III	-0.08	4
Glen Ellen	CA	-122.523	38.364	QPc	5		0.38	4
Glenbrook	NV	-119.938	39.089				1.80	3
Glencoe	CA	-120.584	38.354	Pz	1		0.77	5
Glendale	CA	-118.254	34.143	Q	6		-0.32	2
Glendora	CA	-117.864	34.136	Q	6		-1.70	2
Glenhaven	CA	-122.732	39.026	KJf	1		-0.41	1
Glennville	CA	-118.703	35.729	grMz	1		-0.61	4
Glenwood	CA	-121.986	37.108	P	4	III	0.05	1
Gold Run	CA	-120.855	39.181	Pz	1		0.93	4
Goleta	CA	-119.827	34.436	Q	6		0.77	4
Gonzales	CA	-121.443	36.507	Q	6		-1.02	6
Goodsprings	NV	-115.433	35.833				2.37	1
Goodyears Bar	CA	-120.883	39.540	um	1		-1.52	1
Gorman	CA	-118.852	34.796	grMz	1		-1.86	1
Goshen	CA	-119.419	36.351	Q	6		0.45	4
Graeagle	CA	-120.618	39.766	Q	6		-0.92	1
Granada Hills	CA	-118.522	34.265	Q	6		0.95	2
Granada Hills (Kaiser-P)	CA	-118.505	34.260	Q	6		1.33	1
Granada Hills (S.H. 118)	CA	-118.490	34.270	Q	6		1.37	1
Grand Terrace	CA	-117.313	34.034	Q	6		-1.43	1
Grass Valley	CA	-121.060	39.219	grMz	1		-0.70	1
Graton	CA	-122.869	38.436	P	4		0.08	3
Green Valley	CA	-118.413	34.622	pC	1		-0.83	1
Green Valley Lake	CA	-117.076	34.241	grMz	1		2.54	2
Greenfield	CA	-121.243	36.321	Q	6		-0.28	5
Greenwood	CA	-122.193	39.696	Q	6		-1.42	1
Gridley	CA	-121.693	39.364	Q	6		-1.37	1
Grimes	CA	-121.893	39.074	Q	6		-0.64	1
Grizzly Flats	CA	-120.530	38.640	Pz	1		-0.12	1
Groveland	CA	-120.232	37.838	Pz	1		-0.34	6
Grover Beach	CA	-120.620	35.122	Q	6		1.65	1
Grover City	CA	-120.620	35.120	Q	6		0.34	4
Guadalupe	CA	-120.571	34.972	Q	6		0.39	6

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Guasti	CA	-117.586	34.065	Q	6		-0.95	1
Guatay	CA	-116.556	32.849	grMz	1		0.93	1
Guerneville	CA	-122.995	38.502	Q	6		1.02	3
Guinda	CA	-122.193	38.829	Q	6		0.13	1
Gustine	CA	-120.998	37.258	Q	6		-0.32	6
Hacienda Heights	CA	-117.968	33.993	P	4		-1.21	2
Halcyon	CA	-120.595	35.103	Q	6		-0.55	2
Half Moon Bay	CA	-122.428	37.464	Q	6	III	-0.22	6
Hamilton City	CA	-122.013	39.743	Q	6		1.29	3
Hanford	CA	-119.645	36.328	Q	6		0.12	8
Harbor City	CA	-118.297	33.790	Q	6		-1.65	1
Harmony	CA	-121.022	35.509	KJf	1		-0.67	2
Harris Ranch	CA	-121.400	36.740	grMz	1		-1.32	1
Hat Creek	CA	-121.500	40.790	Qrv	1		-0.64	1
Hathaway Pines	CA	-120.364	38.192	Pz	1		0.42	8
Hawaiian Gardens	CA	-118.072	33.831	Q	6		-1.56	1
Hawthorne-Ca	CA	-118.352	33.916	Q	6		-1.49	2
Hawthorne-Nv	NV	-118.624	38.525	Oc	1		1.66	2
Hayfork	CA	-123.182	40.554	Q	6	III	0.13	1
Hayward	CA	-122.080	37.669				-0.36	5
Hazen	NV	-119.045	39.565	Q	6		2.51	1
Healdsburg	CA	-122.868	38.611	Q	6		0.67	1
Heber	CA	-115.529	32.731	Q	6		2.25	2
Helendale	CA	-117.324	34.744	Q	6		-0.55	2
Helm	CA	-120.097	36.532	Q	6		-0.49	7
Hemet	CA	-116.971	33.748				0.20	2
Henderson	NV	-114.981	36.040	Q	6		3.96	2
Herald	CA	-121.243	38.296	M	3		-0.46	4
Hercules	CA	-122.288	38.017	Q	6		-0.48	2
Hermosa Beach	CA	-118.399	33.862	Q	6		-0.90	2
Hernandez	CA	-120.780	36.360	Q	6		-1.06	2
Herndon	CA	-119.916	36.837	Q	6		2.14	1
Hesperia	CA	-117.300	34.426	Q	6		-0.70	2
Hickman	CA	-120.753	37.624	Q	6		-0.12	7
Highgrove	CA	-117.333	34.016	Q	6		-0.87	1
Highland	CA	-117.208	34.128	KJfm	1	lb	0.00	2
Hillsborough	CA	-122.378	37.574	Q	6		-0.58	2
Hilmar	CA	-120.849	37.409	Tc	1		0.15	5
Hinkley	CA	-117.198	34.935	Q	6		-0.64	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Hollister	CA	-121.401	36.853	Q	6		0.11	7
Hollywood	CA	-118.326	34.098	Q	6		0.16	2
Holt	CA	-121.426	37.934	Q	6		-0.63	6
Holtville	CA	-115.379	32.811	O	2	lb	1.90	2
Holy City	CA	-121.978	37.157	Q	6		-0.50	4
Homeland	CA	-117.108	33.743	Q	6		-0.03	2
Homewood	CA	-120.159	39.087	Q	6		1.20	4
Hood	CA	-121.516	38.368	Q	6		-0.66	6
Hopland	CA	-123.115	38.973	J	1		0.75	1
Hornitos	CA	-120.237	37.502	Q	6		0.20	3
Hughson	CA	-120.865	37.597	grMz	1		-0.27	7
Hume	CA	-118.913	36.785	Q	6		0.11	2
Huntington Beach	CA	-117.998	33.660	Q	6		0.29	3
Huntington Park	CA	-118.224	33.982	Q	6		-1.05	1
Huron	CA	-120.102	36.203	Ep	2		-0.05	6
Idria	CA	-120.673	36.417	grMz	1		-1.66	1
Idyllwild	CA	-116.718	33.740	Q	6		0.15	2
Imola	CA	-122.279	38.279	Q	6		-0.28	1
Imperial	CA	-115.569	32.848	Q	6		3.04	2
Imperial Beach	CA	-117.112	32.584				0.79	2
Incline Village	NV	-119.972	39.251	Q	6		1.92	1
Independence	CA	-118.199	36.803	Qs	6		0.87	3
Indian Wells	CA	-116.308	33.719	Q	6		0.60	1
Indio	CA	-116.215	33.721	Q	6		1.56	2
Inglewood	CA	-118.352	33.962	grMz	1		-2.09	2
Inverness	CA	-122.856	38.101	Q	6		0.11	4
Inyokern	CA	-117.812	35.647	Ec	2		1.67	4
Ione	CA	-120.932	38.353	J	1		-0.02	5
Iowa Hill	CA	-120.858	39.109	Q	6		1.43	3
Irvine	CA	-117.822	33.669	Q	6		-1.01	2
Irwindale	CA	-117.934	34.107	Q	6		-1.96	1
Isleton	CA	-121.611	38.162	Q	6		0.00	7
Ivanhoe	CA	-119.217	36.387	J	1		-0.34	4
Jackson	CA	-120.773	38.349	Q	6		0.01	3
Jacumba	CA	-116.189	32.618	grMz	1		1.90	2
Jamesburg	CA	-121.589	36.370	mv	1		-0.54	1
Jamestown	CA	-120.422	37.953	grMz	1		-1.82	1
Jamul	CA	-116.875	32.717	Q	6		0.82	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Janesville	CA	-120.523	40.297	KJfm	1		4.24	1
Jenner	CA	-123.114	38.450	QPc	5		0.72	4
Johannesburg	CA	-117.634	35.373	grMz	1		-0.55	2
Johnsondale	CA	-118.540	35.975	Q	6		0.50	1
Jolon	CA	-121.175	35.971	Q	6		0.04	5
Joshua Tree	CA	-116.312	34.135	sch	1		0.18	2
Julian	CA	-116.601	33.079	Qg	6		-0.28	1
June Lake	CA	-119.074	37.780	Q	6	III	1.00	6
Kaiser-Santa Clara Hosp.	CA	-121.979	37.340	Q	6		-1.49	1
Kaweah	CA	-118.918	36.470	Pz	1		-0.84	3
Keddie	CA	-120.960	40.015	Q	6		-1.06	1
Keeler	CA	-117.873	36.487	grMz	1		0.76	1
Keene	CA	-118.561	35.224	J	1		-1.20	1
Kelsey	CA	-120.820	38.799	Q	6		-0.74	1
Kelseyville	CA	-122.838	38.978	Q	6		0.56	1
Kelso	CA	-115.653	35.013	Q	6		2.28	1
Kentfield	CA	-122.556	37.952	Q	6		-0.72	1
Kenwood	CA	-122.545	38.414	Q	6		0.03	3
Kerman	CA	-120.059	36.724	Q	6		-1.16	4
Kern City	CA	-119.073	35.354	Q	6		-1.00	1
Kernville	CA	-118.424	35.755	Q	6		0.37	4
Kettleman City	CA	-119.961	36.008	Q	6		0.40	4
Keyes	CA	-120.914	37.557	Q	6		-0.24	8
King City	CA	-121.125	36.213	Q	6		-0.43	7
Kings Beach	CA	-120.026	39.238	Q	6		0.73	2
Kingsburg	CA	-119.553	36.514	grMz	1		-0.11	6
Kirkwood	CA	-120.072	38.703	Q	6		0.82	1
Knights Ferry	CA	-120.671	37.820	Q	6		-1.04	2
Knights Landing	CA	-121.717	38.800	Q	6		0.52	5
Knightsen	CA	-121.667	37.969	grMz	1		-0.41	4
Kyburz	CA	-120.296	38.775	Q	6		0.75	1
La Canada	CA	-118.200	34.200	Q	6		-0.81	2
La Crescenta	CA	-118.239	34.224	Q	6		-0.56	1
La Grange	CA	-120.463	37.664	Q	6		0.14	6
La Habra	CA	-117.945	33.932	P	4	Ib	-0.60	2
La Honda	CA	-122.273	37.319	Ku	1		-0.68	6
La Jolla	CA	-117.273	32.847	Ec	2		0.62	2
La Mesa	CA	-117.022	32.768	Q	6		1.55	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
La Mirada	CA	-118.011	33.917	Q	6		-0.66	2
La Palma	CA	-118.046	33.846	Qc	1		-1.54	1
La Panza	CA	-120.214	35.361	Q	6		-0.33	1
La Puente	CA	-117.949	34.020	Q	6		-1.22	2
La Quinta	CA	-116.309	33.663	Q	6		1.44	2
La Verne	CA	-117.767	34.101	M	3	lb	-1.50	2
Ladera	CA	-122.200	37.400	QPc	5		-1.92	1
Lafayette	CA	-122.117	37.886	M	3		-0.19	4
Laguna Beach	CA	-117.782	33.542	Q	6		-0.24	2
Laguna Hills	CA	-117.712	33.613	M	3		-0.78	2
Laguna Niguel	CA	-117.707	33.523	KJfm	1		-0.56	1
Lagunitas	CA	-122.701	38.011	grMz	1		0.48	4
Lake Arrowhead	CA	-117.188	34.248	J	1		0.98	3
Lake Elsinore	CA	-117.326	33.668	Ku	1	lb	-0.18	1
Lake Elsmar Dam	CA	-121.930	37.128	pC	1		-0.98	1
Lake Hughes	CA	-118.444	34.677	Q	6		-0.75	3
Lake Isabella	CA	-118.472	35.618	Q	6		1.18	6
Lakeport	CA	-122.915	39.043	water			-0.25	1
Lakeshore	CA	-119.174	37.253	grMz	1		-0.15	3
Lakeside	CA	-116.921	32.857	Q	6		0.58	1
Lakewood	CA	-118.133	33.854	Q	6		-0.69	2
Lamont	CA	-118.913	35.260	Q	6		-0.32	4
Lancaster	CA	-118.136	34.698	Q	6		-0.80	3
Landers	CA	-116.392	34.266	Q	6		1.28	1
Larkspur	CA	-122.512	37.938				-0.83	4
Las Vegas	NV	-115.150	36.183				3.58	3
Las Vegas (North)	NV	-115.130	36.200	Q	6		5.55	1
Lathrop	CA	-121.276	37.823		7		-0.31	7
Lathrop Wells	NV	-116.400	36.640	Q	6		2.24	1
Laton	CA	-119.686	36.433	O	2	lb	0.03	4
Laurel	CA	-121.965	37.117	Q	6		-0.35	2
Lawndale	CA	-118.352	33.887	Q	6	III	-1.43	2
Lawrence- Livermore Nat. Lab	CA	-121.708	37.683	KJf	1		-0.70	1
Laytonville	CA	-123.482	39.688	Q	6		4.33	1
Le Grand	CA	-120.247	37.229	Q	6		0.19	7

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Lebec	CA	-118.864	34.842	Q	6		-1.29	3
Lee Vining	CA	-119.121	37.958	Ec	2		1.36	6
Lemon Grove	CA	-117.031	32.743	Q	6		0.58	2
Lemoncove	CA	-119.024	36.383	Q	6		-1.35	2
Lemoore	CA	-119.782	36.301	Q	6		0.50	8
Lemoore Naval Air Station	CA	-119.930	36.300	QPc	5		-0.11	4
Lenwood	CA	-117.103	34.877	Q	6		0.45	2
Leona Valley	CA	-118.287	34.618	Q	6		-1.75	1
Leucadia	CA	-117.303	33.068	Q	6		0.18	2
Liberty Farms	CA	-121.710	38.400	QPc	5		-1.29	1
Lincoln	CA	-121.292	38.892	P	4		-0.31	3
Lincoln Acres	CA	-117.072	32.668	Q	6		1.64	1
Lincoln Village	CA	-121.327	38.005	Q	6		0.62	1
Linden	CA	-121.083	38.021	Q	6		-0.94	6
Lindsay	CA	-119.087	36.203	grMz	1		0.47	7
Little Lake	CA	-117.906	35.937	Q	6		0.53	1
Littlerock	CA	-117.983	34.521	Q	6	III	-1.25	1
Livermore	CA	-121.767	37.682	Q	6	II	0.05	5
Livermore (Ch	CA	-121.800	37.710	Qs	6		0.05	1
Livingston	CA	-120.723	37.387	Qv	1		0.48	6
Loch Lomond	CA	-122.718	38.863	Q	6		0.24	1
Lockeford	CA	-121.149	38.164	Q	6		-0.81	5
Lockwood	CA	-121.081	35.937	Q	6		-0.99	4
Lodi	CA	-121.271	38.130				0.01	4
Logandale	NV	-114.483	36.597	Q	6		3.78	1
Loma Linda	CA	-117.260	34.048	E	2	Ib	-0.55	2
Loma Mar	CA	-122.308	37.271	Q	6		-0.51	3
Loma Portal	CA	-117.218	32.744	Q	6		0.40	1
Lomita	CA	-118.314	33.792	M	3	Ib	-1.21	2
Lompico	CA	-122.052	37.106	Q	6		0.15	1
Lompoc	CA	-120.457	34.639	Q	6		0.41	7
London	CA	-119.442	36.476	Q	6		-0.66	2
Lone Pine	CA	-118.062	36.606	Tvp	1		1.72	5
Long Barn	CA	-120.133	38.093	Q	6		0.88	6
Long Beach	CA	-118.188	33.767	grMz	1		0.95	3
Loomis	CA	-121.192	38.821	Ti	1		-0.54	2
Loraine	CA	-118.436	35.305	Q	6		-1.04	1
Los Alamitos	CA	-118.072	33.803	Q	6		-0.06	3

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Los Alamos	CA	-120.277	34.744	Q	6	III	1.00	8
Los Altos	CA	-122.113	37.385	KJf	1	II	-0.16	4
Los Altos Hills	CA	-122.136	37.380	Q	6		-0.67	2
Los Angeles	CA	-118.243	34.052	Q	6		1.11	3
Los Angeles (Crenshaw Dist)	CA	-118.330	34.030	Q	6		0.78	1
Los Angeles (Cty/Usc Hosp)	CA	-118.210	34.060	Q	6		0.92	1
Los Angeles (Downtown)	CA	-118.238	34.054	M	3		-0.12	1
Los Angeles (Echo Park)	CA	-118.260	34.085	Q	6		-0.19	1
Los Angeles (Hancock Park)	CA	-118.350	34.060	Q	6		-1.30	1
Los Angeles (I10/Fairfax)	CA	-118.360	34.045	Q	6		1.71	1
Los Angeles (Olympic Park)	CA	-118.280	34.030	Q	6		-0.16	1
Los Angeles (West Central)	CA	-118.320	33.990	Q	6		-1.14	1
Los Banos	CA	-120.849	37.058	M	3	III	0.05	8
Los Gatos	CA	-121.974	37.227				-0.28	6
Los Molinos	CA	-122.099	40.021	Q	6		-0.22	2
Los Nietos	CA	-118.070	33.968	Q	6		-2.75	1
Los Olivos	CA	-120.114	34.668	Q	6		0.30	5
Los Osos	CA	-120.831	35.311	Qs	6		-0.11	6
Los Serranos	CA	-117.707	33.973	Q	6		-1.43	1
Lost Hills	CA	-119.693	35.616	Q	6		-0.23	6
Lotus	CA	-120.908	38.802	grMz	1		-0.84	1
Lovelock	NV	-118.473	40.179				3.09	2
Lower Lake	CA	-122.609	38.911	Qv	1		0.27	1
Loyalton	CA	-120.240	39.676	Q	6		2.11	1
Lucerne Valley	CA	-116.967	34.444	Q	6		-0.07	2
Ludlow	CA	-116.159	34.721	Tc	1		1.03	2
Lynwood	CA	-118.211	33.930	Q	6		-0.44	3
Lytle Creek	CA	-117.499	34.259	sch	1		-0.58	2
Madera	CA	-120.060	36.961	Q	6		-0.03	6
Madison	CA	-121.967	38.679	Q	6		-0.16	5
Magalia	CA	-121.577	39.812	um	1		-0.87	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Malibu	CA	-118.680	34.040	Tv	1		-1.21	2
Mammoth Lakes	CA	-118.971	37.649	Qg	6		-0.06	3
Manchester	CA	-123.687	38.970	M	3		2.29	1
Manhattan Beach	CA	-118.410	33.885	Q	6		-0.88	1
Manteca	CA	-121.215	37.798	Q	6		-0.45	7
Manton	CA	-121.869	40.435	Tv	1		-1.38	1
Manzanita Lake	CA	-121.560	40.536	Qrv	1		-1.22	1
Mar Vista	CA	-118.430	34.005	Q	6		-1.22	2
Mare Island	CA	-122.270	38.100	Q	6		-1.79	1
Mare Island Navy Yard	CA	-122.260	38.140	Q	6		0.41	1
Maricopa	CA	-119.400	35.059	Q	6		0.15	4
Marina	CA	-121.801	36.684	Qs	6		-0.20	8
Marina Del Rey	CA	-118.450	33.970	Q	6		-1.07	1
Mariposa	CA	-119.965	37.485	Mzv	1		0.29	5
Markleeville	CA	-119.779	38.695	Tvp	1		0.41	2
Marshall	CA	-122.893	38.161	KJfm	1		-0.50	4
Marysville	CA	-121.590	39.146	Q	6		0.54	3
Mather Air Force Bas	CA	-121.300	38.560	Q	6		0.67	2
Maxwell	CA	-122.190	39.276	Q	6		-0.49	1
Maywood	CA	-118.184	33.987	Q	6		-1.03	1
Mc Arthur	CA	-120.540	41.340	Q	6		0.96	1
Mc Clellan Air Force Base	CA	-121.400	38.670	Q	6		0.65	2
Mcfarland	CA	-119.228	35.678	Q	6		-0.02	6
Mckittrick	CA	-119.622	35.306	Q	6		-0.36	5
Meadow Valley	CA	-121.060	39.930	um	1		-0.32	1
Meadow Vista	CA	-121.021	39.001	Mzv	1		-1.33	1
Mecca	CA	-116.076	33.572	Q	6		1.93	2
Mee Ranch	CA	-120.950	36.280	Q	6		-0.65	1
Mendota	CA	-120.381	36.754	Q	6		-0.96	7
Menlo Park	CA	-122.181	37.454	Q	6	III	-0.22	5
Mentone	CA	-117.134	34.070	Q	6		-0.11	1
Merced	CA	-120.482	37.302	Q	6		0.37	8
Mi-Wuk Village	CA	-120.184	38.066	grMz	1		-0.46	6
Middletown	CA	-122.614	38.753	J	1		0.93	1
Midway City	CA	-117.988	33.745	Q	6		-1.37	1
Mill Valley	CA	-122.544	37.906	KJfm	1		-0.13	3

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Millbrae	CA	-122.386	37.599	Q	6	III	-0.10	4
Milo	CA	-118.816	36.220	Q	6		-0.87	1
Milpitas	CA	-121.906	37.428	Q	6	III	-0.47	6
Minden	NV	-119.765	38.954				1.49	5
Mineral	CA	-121.594	40.348	Tvp	1		-0.65	1
Mira Loma	CA	-117.516	33.993	Q	6		-1.47	2
Mira Mesa	CA	-117.143	32.916	Q	6		0.19	1
Miracle Hot Springs	CA	-118.534	35.576	grMz	1		-1.41	1
Mission Beach	CA	-117.251	32.783	Q	6		0.29	1
Mission Viejo	CA	-117.671	33.600	P	4		-0.20	2
Moapa	NV	-114.620	36.676				3.67	1
Moccasin	CA	-120.299	37.811	um	1		-1.82	1
Modesto	CA	-120.996	37.639	Q	6		-0.39	7
Moffett Field Naval Air Sta.	CA	-122.050	37.420	Q	6	IV	-0.82	4
Mojave	CA	-118.173	35.053	Q	6		-0.65	2
Mokelumne Hill	CA	-120.705	38.301	grMz	1		-0.65	2
Monolith	CA	-118.373	35.120	Q	6		-1.46	1
Monrovia	CA	-117.998	34.148	Q	6		-0.94	2
Montalvo	CA	-119.203	34.254	Q	6		-1.54	1
Montara	CA	-122.515	37.542	Q	6	II	-0.40	2
Montclair	CA	-117.690	34.100	Q	6		-1.36	2
Monte Rio	CA	-123.008	38.466	TK	1		-0.37	3
Monte Sereno	CA	-121.991	37.236	QPc	5	II	-1.17	2
Montebello	CA	-118.104	34.009	Q	6		-1.43	2
Montecito	CA	-119.631	34.437	Q	6		-0.67	1
Monterey	CA	-121.894	36.600	Q	6		-0.16	8
Monterey Park	CA	-118.122	34.063	Q	6		-1.03	2
Montrose	CA	-118.223	34.206	grMz	1		-0.51	1
Moonridge	CA	-116.855	34.235	Q	6		0.40	1
Moorpark	CA	-118.881	34.286	Q	6		0.28	3
Moraga	CA	-122.129	37.835	QPc	5	III	-0.25	6
Moreno	CA	-117.157	33.918	Q	6		-0.47	1
Moreno Valley	CA	-117.157	33.918	Q	6		-0.08	1
Morgan Hill	CA	-121.653	37.131	Q	6	III	-0.67	5
Morongo Valley	CA	-116.580	34.047	Q	6		0.71	2
Morro Bay	CA	-120.849	35.366	Qs	6		-0.20	4
Moss Beach	CA	-122.512	37.528	Q	6	II	-0.23	4

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Moss Landing	CA	-121.786	36.804	Q	6		-0.35	6
Mount Aukum	CA	-120.730	38.560	grMz	1		0.85	5
Mount Baldy	CA	-117.659	34.236	gr-m	1		-0.87	2
Mount Eden	CA	-122.099	37.636	Q	6	III	-1.04	3
Mount Hamilton	CA	-121.640	37.340	KJf	1	Ib	-0.54	4
Mount Hermon	CA	-122.058	37.051	M	3	Ib	-0.38	7
Mount Laguna	CA	-116.418	32.872	gr-m	1		1.08	1
Mount Wilson	CA	-118.065	34.226	grMz	1		-2.11	2
Mountain Center	CA	-116.725	33.704	grMz	1		-0.51	1
Mountain Pass	CA	-115.544	35.470	Ca	1		2.54	1
Mountain Ranch	CA	-120.540	38.228	Is	1		0.20	7
Mountain View	CA	-122.083	37.386	Q	6	III	-0.60	6
Murphys	CA	-120.459	38.138	Is	1		0.79	6
Murrieta	CA	-117.213	33.554	Q	6		0.02	2
Musick	CA	-120.300	35.200	M	3		-0.02	1
Myers Flat	CA	-123.869	40.266	Ep	2		5.81	1
Napa	CA	-122.284	38.297	Q	6		0.32	5
National City	CA	-117.098	32.678	Q	6		1.13	2
Needles	CA	-114.613	34.848	Q	6		2.95	2
Nelson	CA	-121.764	39.552	Q	6		-1.24	1
Nestor	CA	-117.083	32.576	Q	6		0.81	1
Nevada City	CA	-121.015	39.262	grMz	1		-0.12	2
New Almaden	CA	-121.820	37.176	KJf	1	III	-1.39	5
New Cuyama	CA	-119.684	34.947	Q	6		0.19	4
Newark	CA	-122.039	37.530	Q	6	III	-0.63	5
Newberry Springs	CA	-116.688	34.827	Tc	1		0.63	2
Newbury Park	CA	-118.910	34.184	Q	6		-1.04	2
Newcastle	CA	-121.132	38.874	grMz	1		-1.20	1
Newhall	CA	-118.530	34.385	Q	6		2.34	2
Newman	CA	-121.020	37.314	Q	6		-0.43	7
Newport Beach	CA	-117.928	33.619	Q	6		1.94	3
Nicasio	CA	-122.698	38.062	KJfm	1		-0.43	3
Nicolaus	CA	-121.577	38.903	Q	6		-0.30	3
Niland	CA	-115.518	33.240	Q	6		3.38	1
Niles	CA	-121.970	37.580	Ep	2	Ib	-1.08	1
Nipomo	CA	-120.475	35.043	Q	6		-0.31	5
Nipton	CA	-115.271	35.467	Q	6		2.28	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Nixon	NV	-119.360	39.830				0.25	1
Norco	CA	-117.548	33.931	Q	6		-0.81	1
Norden	CA	-120.355	39.318	Tv	1		0.21	2
North Edwards	CA	-117.832	35.017	Tc	1		-0.52	1
North Fork	CA	-119.509	37.230	grMz	1		-1.00	3
North Highlands	CA	-121.371	38.686	Q	6		-1.13	2
North Hills	CA	-118.500	34.260	Q	6		0.34	1
North Hollywood	CA	-118.378	34.172	Q	6		-0.01	2
North San Juan	CA	-121.103	39.369	grMz	1		-0.30	2
Northridge	CA	-118.536	34.228	Q	6		1.59	3
Northridge (Csun)	CA	-118.525	34.240	Q	6		1.28	1
Northridge (Fashion Center)	CA	-118.550	34.240	Q	6		1.27	1
Norwalk	CA	-118.081	33.902	Q	6		-1.73	2
Novato	CA	-122.569	38.108	KJfs	1		0.73	4
Nubieber	CA	-121.182	41.096	Q	6		1.11	1
Nuevo	CA	-117.145	33.801	Q	6		-0.65	2
O'Neals	CA	-119.693	37.128	m	1		-0.10	6
Oak View	CA	-119.299	34.400	Q	6		-0.84	2
Oakdale	CA	-120.846	37.767	Q	6		-0.12	6
Oakhurst	CA	-119.648	37.328	grMz	1		-1.07	1
Oakland	CA	-122.270	37.804	Q	6	III	-0.14	5
Oakland (100 9Th Street)	CA	-122.263	37.798	Q	6	III	0.67	1
Oakland (13Th & Broadway)	CA	-122.271	37.803	Q	6	III	0.68	1
Oakland (Amtrac Pass. Term.)	CA	-122.296	37.813	Q	6	III	0.72	1
Oakland (Emporium Capwell Bld)	CA	-122.268	37.808	Q	6	III	0.69	1
Oakland (Hotel Oakland)	CA	-122.267	37.803	Q	6	III	1.68	1
Oakland (Nimitz Freeway I-880)	CA	-122.288	37.817	Q	6	IV	2.72	1
Oakland (Peralta Hospital)	CA	-122.264	37.820	Q	6	III	1.71	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Oakland (Rock	CA	-122.280	37.800	Q	6	III	-1.33	1
Oakland (Sacred Heart Cath. C	CA	-122.268	37.830	Q	6	III	0.74	1
Oakland City Hall	CA	-122.271	37.805	Q	6	III	0.69	1
Oakland International Airport	CA	-122.220	37.720	Q	6	IV	-0.03	2
Oakland Museum	CA	-122.263	37.798	Q	6	III	-0.33	1
Oakland Sports Coliseum Arena	CA	-122.200	37.750	Q	6	IV	-0.48	1
Oakley	CA	-121.711	37.998	Qs	6		-0.48	7
Oakville	CA	-122.401	38.437	Q	6		-0.94	2
Oceano	CA	-120.611	35.099	Q	6		0.44	7
Oceanside	CA	-117.379	33.196	Q	6		0.36	2
Ocotillo	CA	-115.993	32.739	Q	6		2.51	2
Oildale	CA	-119.020	35.420	Q	6		-0.76	2
Oilfields	CA	-120.310	36.250	P	4		-0.02	1
Ojai	CA	-119.242	34.448	Q	6		-0.49	4
Olancho	CA	-118.006	36.282	Q	6		1.89	4
Old River	CA	-119.108	35.267	Q	6		1.26	1
Olema	CA	-122.787	38.041	KJfm	1		0.14	4
Olivehurst	CA	-121.551	39.096	Q	6		0.48	2
Olympia	CA	-122.058	37.070	M	3	lb	-0.87	1
Ontario	CA	-117.650	34.063	Q	6		-0.76	2
Onyx	CA	-118.220	35.690	Q	6		0.82	2
Orange	CA	-117.852	33.788	Q	6		0.25	3
Orange Cove	CA	-119.313	36.624	Q	6		-1.23	4
Orangevale	CA	-121.225	38.679	QPc	5		-1.06	2
Ordbend	CA	-122.004	39.630	Q	6		-0.79	1
Oregon House	CA	-121.278	39.356	gb	1		-1.19	1
Orinda	CA	-122.179	37.877	Tv	1		-0.32	4
Orland	CA	-122.195	39.748	Q	6		-0.36	1
Oro Grande	CA	-117.333	34.599	Q	6		-0.68	2
Orosi	CA	-119.286	36.545	Q	6		0.25	3
Oroville	CA	-121.555	39.514	QPc	5		0.49	1
Oroville Area	CA	-121.550	39.520	Mzv	1		0.46	1
Overton	NV	-114.446	36.543				4.77	1
Oxnard	CA	-119.176	34.198	Q	6		1.18	5
Pacheco	CA	-122.074	37.984	Q	6		-1.19	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Pacheco Pass	CA	-121.210	37.070	KJf	1		0.98	1
Pacific Beach	CA	-117.239	32.798	Q	6		1.28	1
Pacific Grove	CA	-121.916	36.618	M	3		0.20	5
Pacific House	CA	-120.500	38.770	Pz	1		0.71	1
Pacific Palisades	CA	-118.526	34.048	Q	6		-2.22	1
Pacifica	CA	-122.486	37.614	Mzv	1	III	-0.23	5
Pacoima	CA	-118.426	34.263	Q	6		-0.15	2
Pahrump	NV	-115.983	36.208				2.00	2
Paicines	CA	-121.278	36.729	Q	6		-0.77	5
Pala	CA	-117.076	33.365	Q	6		0.39	1
Palermo	CA	-121.537	39.436	Mzv	1		0.33	1
Palm Desert	CA	-116.374	33.722	Q	6		0.78	2
Palm Springs	CA	-116.544	33.830	Q	6		0.39	2
Palmdale	CA	-118.116	34.579	Q	6		-1.03	2
Palo Alto	CA	-122.142	37.442	Q	6	III	-0.72	4
Palo Verde	CA	-114.731	33.433	Q	6		2.47	2
Palomar Mountain	CA	-116.870	33.360	grMz	1		-1.31	1
Palos Verdes Peninsula	CA	-118.360	33.770	M	3		-0.62	1
Panoche	CA	-120.833	36.597	Q	6		-0.17	1
Panorama City	CA	-118.449	34.225	Q	6		-0.64	2
Paradise	CA	-121.621	39.760	Tvp	1		1.19	3
Paramount	CA	-118.159	33.889	Q	6		-1.79	2
Parker Dam	CA	-114.142	34.287	Tc	1		2.99	1
Parkfield	CA	-120.432	35.900	Q	6		0.71	2
Parkway	CA	-121.458	38.496	Q	6		0.85	2
Parlier	CA	-119.526	36.612	Q	6		1.28	3
Pasadena	CA	-118.130	34.150	Q	6		1.04	3
Pasatiempo	CA	-122.025	37.004	sch	1	lb	-0.92	1
Paso Robles	CA	-120.690	35.627	Q	6		-0.16	7
Patterson	CA	-121.129	37.472	Q	6		-0.34	8
Pauma Valley	CA	-116.981	33.303	Q	6		-0.28	2
Paynes Creek	CA	-121.914	40.336	Tvp	1		-1.58	1
Pearblossom	CA	-117.909	34.506	Q	6		-1.78	2
Pebble Beach	CA	-121.970	36.570	grMz	1		-0.44	4
Pedley	CA	-117.475	33.975	grMz	1		-1.07	1
Penngrove	CA	-122.666	38.300	QPc	5		0.45	2
Penryn	CA	-121.168	38.852	grMz	1		-1.02	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Perris	CA	-117.228	33.783	Q	6		-0.77	2
Pescadero	CA	-122.380	37.255	Q	6	III	-0.17	6
Petaluma	CA	-122.636	38.233	Q	6		0.40	4
Petrolia	CA	-124.286	40.326	TK	1		6.32	1
Phelan	CA	-117.571	34.426	Q	6		-1.21	2
Philo	CA	-123.444	39.066	Q	6		0.51	2
Pico Rivera	CA	-118.096	33.983	Q	6		-1.38	2
Piedmont	CA	-122.231	37.824	KJf	1	lb	-0.32	2
Piedra	CA	-119.381	36.810	um	1		0.15	4
Pine Canyon	CA	-121.640	36.600	Q	6		0.81	1
Pinecrest	CA	-119.990	38.189	Qg	6		1.29	5
Pinedale	CA	-119.789	36.843	Q	6		0.25	4
Pinole	CA	-122.298	38.004	M	3		0.36	4
Pinon Hills	CA	-117.646	34.433	Q	6		-1.34	2
Pioneertown	CA	-116.495	34.157	grMz	1		0.09	1
Piru	CA	-118.793	34.415	Q	6		0.90	4
Pismo Beach	CA	-120.640	35.143	Q	6		0.01	6
Pittsburg	CA	-121.884	38.028	Q	6		0.17	5
Pittsburg (Shore Acres)	CA	-121.964	38.036	Q	6		-0.92	1
Pixley	CA	-119.291	35.969	Q	6		0.94	4
Placentia	CA	-117.869	33.872	Q	6		-0.90	2
Placerville	CA	-120.798	38.730	J	1		0.06	4
Planada	CA	-120.318	37.291	Q	6		-0.76	5
Plaster City	CA	-115.858	32.793	Q	6		1.02	1
Pleasant Grove	CA	-121.483	38.824	Q	6		-0.03	3
Pleasant Hill	CA	-122.060	37.948	Q	6		-0.84	3
Pleasanton	CA	-121.874	37.663	Q	6	III	-0.42	6
Plymouth	CA	-120.844	38.482	J	1		-0.41	1
Point Arena	CA	-123.692	38.909	M	3		1.23	2
Point Arguello	CA	-120.650	34.570	water			-0.71	2
Point Mugu	CA	-119.100	34.120	Q	6		-0.60	1
Point Reyes Station	CA	-122.806	38.069	KJf	1		0.71	4
Point Richmond	CA	-122.388	37.924	KJf	1		-0.99	1
Pollock Pines	CA	-120.586	38.761	Tvp	1		0.51	4
Pomona	CA	-117.751	34.055	Q	6		-1.43	2
Pond	CA	-119.328	35.718	Q	6		-0.57	3

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Pope Valley	CA	-122.427	38.615	KI	1		0.53	1
Poplar	CA	-119.142	36.053	Q	6		-0.08	1
Port Costa	CA	-122.182	38.046	Ku	1		-0.33	6
Port Hueneme	CA	-119.194	34.148	Q	6		0.29	4
Port Of Oakland 7Th Term.	CA	-122.333	37.807	water		IV	0.74	1
Porter Ranch	CA	-118.545	34.300	P	4		0.41	1
Porterville	CA	-119.016	36.065	Q	6		0.59	6
Portola	CA	-120.468	39.811	Q	6		2.68	2
Portola Valley	CA	-122.234	37.384	E	2	III	-1.02	2
Posey	CA	-118.682	35.805	grMz	1		-0.35	4
Potrero	CA	-116.612	32.605	grMz	1		3.53	2
Potter Valley	CA	-123.112	39.322	Q	6		1.07	3
Poway	CA	-117.035	32.963	E	2		1.19	2
Prather	CA	-119.513	37.038	grMz	1		-0.48	3
Priest Valley	CA	-120.670	36.170	P	4		-1.18	1
Princeton	CA	-122.009	39.403	Q	6		0.17	2
Proberta	CA	-122.169	40.082	Q	6		2.23	2
Pulga	CA	-121.448	39.803	Pm	1		1.92	2
Pumpkin Center	CA	-119.033	35.267	Q	6		-0.79	1
Quail Valley	CA	-117.244	33.707	J	1		-1.08	1
Quartz Hill	CA	-118.217	34.645	Q	6		-1.54	2
Quincy	CA	-120.946	39.937	Pz	1		0.73	2
Rackerby	CA	-121.340	39.440	grMz	1		-1.35	1
Rail Road Flat	CA	-120.510	38.340	Tc	1		0.35	5
Rainbow	CA	-117.147	33.410	grMz	1		0.43	1
Raisin	CA	-119.910	36.610	Q	6		0.59	6
Ramona	CA	-116.867	33.042	Q	6		0.28	2
Rancho Bernardo	CA	-117.060	33.019	grMz	1		1.13	1
Rancho Mirage	CA	-116.412	33.740	Q	6		0.69	2
Rancho Palos Verdes	CA	-118.386	33.744	Ti	1		-0.69	1
Rancho Santa Fe	CA	-117.202	33.020	E	2		0.38	2
Randsburg	CA	-117.657	35.369	sch	1		-0.48	1
Raymond	CA	-119.904	37.217	grMz	1		-1.18	3
Red Bluff	CA	-122.235	40.179	Q	6		0.36	1
Red Mountain	CA	-117.616	35.358	QPc	5		-0.55	2
Redding	CA	-122.391	40.587	Q	6		1.13	2
Redlands	CA	-117.182	34.062	Q	6		-0.42	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Redondo Beach	CA	-118.388	33.849	Q	6		-0.86	2
Redtop	CA	-120.490	37.090	Q	6		-0.06	4
Redwood City	CA	-122.235	37.485	Q	6	III	-0.29	7
Redwood Estates	CA	-121.986	37.156	O	2	Ib	-0.41	6
Redwood Valley	CA	-123.203	39.266	Q	6		0.42	1
Reedley	CA	-119.449	36.596	Q	6		0.67	6
Reno	NV	-119.813	39.530				2.01	5
Represa	CA	-121.170	38.680	Q	6		-0.83	1
Rescue	CA	-120.950	38.710	gb	1		0.31	2
Reseda	CA	-118.536	34.201	Q	6		-0.16	2
Rheem Valley	CA	-122.123	37.860	QPc	5	II	-0.52	2
Rialto	CA	-117.369	34.106	Q	6		-1.29	2
Richardson Springs	CA	-121.776	39.840	Tvp	1		-0.72	1
Richgrove	CA	-119.107	35.797	Q	6		-1.21	3
Richmond	CA	-122.347	37.936	Q	6		-0.04	4
Richvale	CA	-121.744	39.494	Q	6		0.04	2
Ridgecrest	CA	-117.670	35.623	Q	6		1.80	5
Rimforest	CA	-117.224	34.230	grMz	1		-0.82	1
Rio Del Mar	CA	-121.899	36.968	Q	6	II	-1.03	1
Rio Linda	CA	-121.448	38.691	Q	6		-1.65	2
Rio Oso	CA	-121.543	38.961	Q	6		0.07	3
Rio Vista	CA	-121.690	38.156	Q	6		-0.53	5
Ripley	CA	-114.655	33.525	Q	6		4.33	1
Ripon	CA	-121.123	37.742	Q	6		-0.16	7
River Pines	CA	-120.743	38.546	um	1		0.56	3
Riverbank	CA	-120.934	37.736	Q	6		-0.08	6
Riverdale	CA	-119.859	36.431	Q	6		-0.29	7
Robbins	CA	-121.705	38.870	Q	6		0.35	4
Robertsville	CA	-121.875	37.263	Q	6	III	-0.69	1
Rocklin	CA	-121.235	38.791	grMz	1		0.12	2
Rodeo	CA	-122.266	38.033	Tv	1		-0.03	5
Rohnert Park	CA	-122.700	38.340	Q	6		0.04	4
Rolling Hills Estates	CA	-118.357	33.788	M	3		-1.66	1
Romie Lane	CA	-121.660	36.660	Q	6		-1.40	1
Romoland	CA	-117.174	33.746	Q	6		-0.99	1
Rosamond	CA	-118.163	34.864	Q	6		-0.69	3
Roseland	CA	-122.730	38.420	QPc	5		-0.72	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Rosemead	CA	-118.072	34.081	Q	6		-0.98	2
Roseville	CA	-121.287	38.752	QPc	5		-0.23	3
Rough And Ready	CA	-121.135	39.230	Mzv	1		-1.83	1
Rubidoux	CA	-117.405	33.996	Q	6		0.03	1
Rumsey	CA	-122.236	38.888	Q	6		0.08	2
Running Springs	CA	-117.108	34.208	grMz	1		1.48	3
Rutherford	CA	-122.421	38.459	Q	6		1.19	1
Ryde	CA	-121.559	38.239	Q	6		-0.25	7
S. Cruz Mtns (Loma Prieta Sch)	CA	-121.938	37.127	Ku	1	lb	-0.98	1
S. Cruz Mtns (Morrell Cut-Off)	CA	-121.950	37.113	O	2	lb	0.01	1
S. Cruz Mtns (Redwood Lodge)	CA	-121.946	37.108	O	2	lb	0.00	1
S. Cruz Mtns (Skyland Comm Ch)	CA	-121.932	37.107	O	2	lb	-0.02	1
S. Cruz Mtns (Stetson Road)	CA	-121.940	37.102	O	2	lb	-0.02	1
S. Cruz Mtns (Villa Del Monte)	CA	-121.953	37.128	O	2	lb	0.04	1
S. F. (149 Montgomery Street)	CA	-122.402	37.788	Q	6	III	0.76	1
S. F. (6Th & Townsend)	CA	-122.400	37.777	Q	6	IV	0.73	1
S. F. (895 31St Avenue)	CA	-122.486	37.746	Qs	6	III	0.76	1
S. F. (8Th Ave & Moraga St)	CA	-122.456	37.755	KJf	1	III	0.74	1
S. F. (Bernal Heights)	CA	-122.396	37.746	Q	6	IV	0.67	1
S. F. (Highway 101\Fell St)	CA	-122.423	37.772	Qs	6	IV	2.74	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
S. F. (I-280 Near 7Th Street)	CA	-122.397	37.772	Q	6	IV	2.72	1
S. F. (Marina District)	CA	-122.443	37.803	Qs	6	IV	2.82	1
S. F. (Pacific Heights)	CA	-122.430	37.792	KJf	1	Ib	0.79	1
S. F. (Richmond District)	CA	-122.475	37.780	Qs	6	III	0.81	1
S. F. (St. Dominic Church)	CA	-122.435	37.787	Qs	6	III	0.78	1
S. F. (The Embarcadero)	CA	-122.391	37.800	water		IV	2.77	1
S. F. (U. S. Customs House)	CA	-122.400	37.797	Q	6	IV	0.77	1
S. F. Candlestick Park Stad.	CA	-122.385	37.713	water		III	0.59	1
S. F. Public Library	CA	-122.414	37.780	Q	6	III	0.75	1
Sacramento	CA	-121.493	38.582	Q	6		0.86	7
Sacramento (P	CA	-121.500	38.580	Q	6		0.03	1
Saint Helena	CA	-122.469	38.505	Q	6		-0.20	3
Salida	CA	-121.084	37.706	Q	6		0.12	8
Salinas	CA	-121.654	36.678	Q	6		-0.16	8
Salton City	CA	-115.940	33.310	Q	6		1.91	2
San Andreas	CA	-120.679	38.196	Pzv	1		-0.65	2
San Anselmo	CA	-122.561	37.975	KJf	1		-0.71	4
San Ardo	CA	-120.904	36.021	Q	6		0.00	8
San Bernardino	CA	-117.289	34.108	Q	6		-0.64	2
San Bruno	CA	-122.410	37.631	Q	6	III	-0.34	5
San Carlos	CA	-122.259	37.507	Q	6	III	-0.76	5
San Clemente	CA	-117.611	33.427	M	3		-0.33	2
San Diego	CA	-117.156	32.715	Q	6		0.99	2
San Dimas	CA	-117.806	34.107	Q	6		-1.57	2
San Fernando	CA	-118.438	34.282	Q	6		0.84	2
San Fernando Pass	CA	-118.500	34.330	P	4		1.49	1
San Francisco	CA	-122.418	37.775	Qs	6	III	1.18	6
San Francisco Int'L. Airport	CA	-122.380	37.620	Q	6	IV	0.12	3

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geololg Class	Soil Class	Site Corr	No. of Training- set Events
San Gabriel	CA	-118.105	34.096	Q	6		-0.25	3
San Geronimo	CA	-122.663	38.013	KJfm	1		-1.02	2
San Gregorio	CA	-122.386	37.327	P	4	III	-0.05	4
San Jacinto	CA	-116.958	33.784	Q	6		0.19	2
San Joaquin	CA	-120.188	36.607	Q	6		-0.43	6
San Jose	CA	-121.894	37.339	Q	6	III	0.15	4
San Jose (Alexian Bros. Hosp)	CA	-121.848	37.358	Q	6	III	-1.47	1
San Jose (Blo	CA	-121.920	37.260	Q	6	III	-0.44	1
San Jose (Cam	CA	-121.880	37.320	Q	6	III	-1.52	1
San Jose (Cambrian Park)	CA	-121.930	37.260	Q	6	III	0.91	1
San Jose (K-Mart Blossom Hill)	CA	-121.860	37.253	Q	6	III	-1.71	1
San Jose (Kaiser-Sta Teresa H	CA	-121.791	37.238	Q	6	III	-1.72	1
San Jose (Lucky'S Groc Store)	CA	-121.978	37.303	Q	6	III	-1.57	1
San Jose (O'Connor Hospital)	CA	-121.938	37.328	Q	6	III	-1.53	1
San Jose (Senter Road)	CA	-121.833	37.292	Q	6	III	-1.62	1
San Jose (Willow Glen)	CA	-121.889	37.309	Q	6	III	-0.59	1
San Juan Bautista	CA	-121.537	36.846	gb	1		-0.55	7
San Juan Capistrano	CA	-117.662	33.502	Q	6		-0.52	2
San Leandro	CA	-122.155	37.725	Q	6	III	-0.15	4
San Lorenzo	CA	-122.123	37.681	Q	6	III	-0.48	7
San Lucas	CA	-121.019	36.129	Q	6		-0.41	3
San Luis Obispo	CA	-120.659	35.283	KJf	1		0.17	5
San Luis Rey	CA	-117.323	33.232	E	2		0.36	2
San Marcos	CA	-117.165	33.143	grMz	1		0.22	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
San Marino	CA	-118.106	34.121	Q	6		-1.08	2
San Martin	CA	-121.609	37.085	Q	6	III	-0.23	6
San Mateo	CA	-122.324	37.563	Q	6	III	-0.52	5
San Miguel	CA	-120.695	35.753	Q	6		-0.09	8
San Pablo	CA	-122.344	37.962	Q	6		0.47	2
San Pedro	CA	-118.291	33.736	Q	6		-1.57	2
San Quentin	CA	-122.484	37.941	Q	6		-0.83	3
San Rafael	CA	-122.530	37.974	KJfm	1		-0.14	4
San Ramon	CA	-121.977	37.780	Q	6	III	-0.20	4
San Simeon	CA	-121.190	35.644	Q	6		-0.82	3
San Ysidro	CA	-117.042	32.552	Q	6		1.42	2
Sanger	CA	-119.555	36.708	Q	6		-0.63	3
Sanitarium	CA	-122.474	38.545	Tvp	1		-1.05	1
Santa Ana	CA	-117.867	33.746	Q	6		-0.70	2
Santa Barbara	CA	-119.697	34.421	Q	6		0.92	6
Santa Clara	CA	-121.954	37.354	Q	6	III	-0.28	6
Santa Clarita (Newhall)	CA	-118.530	34.385	Q	6		-0.40	1
Santa Clarita (Saugus)	CA	-118.539	34.411	Q	6		-0.34	1
Santa Clarita (Valencia)	CA	-118.609	34.444	Q	6		0.75	1
Santa Cruz	CA	-122.030	36.974	Q	6	lb	-0.07	6
Santa Cruz (Graham Hill Road)	CA	-122.083	37.017	grMz	1	lb	-0.82	1
Santa Cruz (loof Cemetery)	CA	-122.020	36.988	Q	6	lb	0.08	1
Santa Fe Springs	CA	-118.084	33.947	Q	6		-1.31	2
Santa Margarita	CA	-120.608	35.390	M	3		-0.41	5
Santa Maria	CA	-120.435	34.953	Q	6		-0.15	7
Santa Monica	CA	-118.490	34.019	Q	6		1.17	4
Santa Monica (Ocean Park)	CA	-118.493	34.012	Q	6		0.66	1
Santa Monica (St. Johns Hosp.)	CA	-118.470	34.040	Q	6		1.61	1
Santa Paula	CA	-119.058	34.354	Q	6		-0.27	3
Santa Rita Park	CA	-120.594	37.048	Q	6		-0.31	5

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geololg Class	Soil Class	Site Corr	No. of Training- set Events
Santa Rosa	CA	-122.713	38.441	Q	6		0.41	5
Santa Susana	CA	-118.708	34.272	Q	6		-1.42	1
Santa Ynez	CA	-120.079	34.614	Q	6		0.51	4
Santa Ysabel	CA	-116.672	33.109	gr-m	1		0.96	2
Santee	CA	-116.973	32.838	Q	6		0.98	2
Saratoga	CA	-122.022	37.264	Q	6	III	-1.04	4
Sather Gate	CA	-122.260	37.860	Q	6	III	-1.25	1
Saugus	CA	-118.539	34.411	Q	6		0.59	3
Sausalito	CA	-122.484	37.859	KJfm	1	III	-0.60	3
Schurz	NV	-118.810	38.950				3.12	2
Scotts Valley	CA	-122.014	37.051	P	4	III	-0.50	2
Scotts Valley (Bean Creek Rd)	CA	-122.013	37.075	P	4	lb	0.06	1
Scotts Valley (El Rancho Dr)	CA	-122.025	37.025	M	3	lb	-0.93	1
Scotts Valley (Jarvis Road)	CA	-121.956	37.075	E	2	lb	-0.04	1
Scotts Valley (Ponderosa Dr)	CA	-122.037	37.025	M	3	lb	-0.91	1
Scotts Valley (Redwood Dr)	CA	-122.007	37.065	M	3	lb	0.04	1
Seal Beach	CA	-118.104	33.741	Q	6		-0.95	2
Seaside	CA	-121.851	36.611	Qs	6		-0.62	7
Sebastopol	CA	-122.823	38.402	Q	6		0.03	4
Seeley	CA	-115.690	32.793	Q	6		3.41	2
Selma	CA	-119.611	36.571	Q	6		0.10	7
Sepulveda	CA	-118.467	34.231	Q	6		-0.65	1
Sequoia National Park	CA	-118.773	36.564	grMz	1		1.74	3
Shafter	CA	-119.271	35.501	Q	6		0.13	5
Shandon	CA	-120.374	35.655	Q	6		-0.09	6
Shaver Lake	CA	-119.317	37.104	grMz	1		-2.35	1
Sheep Ranch	CA	-120.463	38.209	Pz	1		1.72	1
Shell Beach	CA	-120.671	35.155	M	3		-1.53	1
Sheridan	CA	-121.374	38.980	QPc	5		0.96	2
Sherman Oaks	CA	-118.448	34.151	Q	6		0.47	2
Shoshone	CA	-116.270	35.973	Q	6		2.17	2
Sierra City	CA	-120.633	39.566	Pzv	1		-0.08	1
Sierra Madre	CA	-118.052	34.162	Q	6		-1.04	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Sierraville	CA	-120.366	39.590	Q	6		3.43	2
Signal Hill	CA	-118.167	33.804	Q	6		-1.63	1
Silver Springs	NV	-119.220	39.420				2.49	1
Silverado	CA	-117.636	33.746	Mzv	1		-0.88	2
Simi	CA	-118.781	34.269	Q	6		-2.29	1
Simi Valley	CA	-118.781	34.269	Q	6		0.26	1
Simi Valley (Ne)	CA	-118.725	34.290	Q	6		0.60	1
Simi Valley (Sw)	CA	-118.750	34.275	Q	6		-0.37	1
Simmler	CA	-119.986	35.351	Q	6		-0.10	1
Skyforest	CA	-117.178	34.235	grMz	1		1.37	2
Slack Canyon	CA	-120.550	35.930	QPc	5		-0.67	1
Sloughhouse	CA	-121.193	38.496	Q	6		0.09	4
Smartville	CA	-121.298	39.208	Mzv	1		-1.00	1
Smith	NV	-119.326	38.801				1.52	3
Smithflat	CA	-120.754	38.735	Tc	1		-0.55	1
Snelling	CA	-120.436	37.519	Q	6		-0.03	8
Solana Beach	CA	-117.270	32.991	Q	6		0.35	2
Solano	CA	-122.000	38.300	Ku	1		-0.95	1
Soledad	CA	-121.325	36.425	Q	6		-0.16	6
Solvang	CA	-120.137	34.596	Q	6		-0.25	3
Somis	CA	-118.995	34.257	Q	6		0.55	2
Sonoma	CA	-122.457	38.292	Tv	1		-0.32	4
Sonora	CA	-120.381	37.984	Pz	1		-0.10	4
Soquel	CA	-121.956	36.988	Q	6	III	-0.33	5
Soulsbyville	CA	-120.263	37.985	Tvp	1		-0.83	3
South Dos Palos	CA	-120.652	36.964	Q	6		-0.14	6
South Gate	CA	-118.211	33.955	Q	6		-0.15	3
South Laguna	CA	-117.742	33.501	M	3		-0.66	1
South Lake Tahoe	CA	-119.983	38.933	Q	6		1.46	6
South Pasadena	CA	-118.149	34.116	Q	6		-0.26	1
South San Francisco	CA	-122.407	37.655	Q	6	III	-0.44	6
South San Gabriel	CA	-118.089	34.063	Q	6		-2.09	1
South San Leandro	CA	-122.130	37.710	gb	1	III	-1.03	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Southern Scotts Valley	CA	-122.033	37.042	M	3	lb	-0.92	1
Sparks	NV	-119.752	39.535				1.74	4
Spreckels	CA	-121.646	36.622	Q	6		-0.28	4
Spring Valley	CA	-116.998	32.745	Ec	2		1.12	2
Spring Valley Lake	CA	-117.290	34.536	Q	6		-0.32	1
Squaw Valley	CA	-119.246	36.741	grMz	1		-1.20	1
Standard	CA	-120.311	37.967	grMz	1		-1.64	1
Stanford	CA	-122.167	37.443	Q	6	III	-0.55	2
Stanton	CA	-117.992	33.803	Q	6		-1.49	1
Steamboat	NV	-119.720	39.380				0.53	1
Steele Park	CA	-122.200	38.510	water			-0.99	1
Stevenson Ranch	CA	-118.567	34.375	QPc	5		0.58	1
Stevinson	CA	-120.851	37.328	Qs	6		-0.40	8
Stinson Beach	CA	-122.643	37.901	KJfm	1		-0.31	5
Stirling City	CA	-121.527	39.908	Tv	1		-0.66	1
Stockton	CA	-121.290	37.958	Q	6		0.88	7
Stonestown	CA	-122.478	37.728	Q	6	III	-0.29	1
Stonyford	CA	-122.543	39.375	Q	6		-1.92	1
Storrie	CA	-121.322	39.918	grMz	1		-0.57	1
Stratford	CA	-119.822	36.189	Q	6		0.47	7
Strathmore	CA	-119.060	36.146	Q	6		0.25	6
Strawberry	CA	-119.998	38.202	grMz	1		1.06	4
Strawberry Valley	CA	-121.106	39.564	grMz	1		0.63	3
Studio City	CA	-118.396	34.149	Q	6		-0.49	2
Sugarloaf	CA	-116.828	34.243	Q	6		-0.31	2
Suisun City	CA	-122.039	38.238	Q	6		0.33	1
Sultana	CA	-119.339	36.546	Q	6		-0.01	2
Summerland	CA	-119.596	34.421	M	3		-0.43	3
Sun City	CA	-117.196	33.709	Q	6		-0.64	2
Sun Valley	CA	-118.369	34.218	Q	6		-0.56	2
Sunland	CA	-118.301	34.267	Q	6		-0.52	2
Sunnymead	CA	-117.243	33.940	Q	6		-0.64	1
Sunnyvale	CA	-122.035	37.369	Q	6	III	-0.72	5
Sunol	CA	-121.890	37.600	QPc	5	III	-0.98	3
Sunset Beach	CA	-118.068	33.716	Q	6		-1.37	2
Surf	CA	-120.603	34.684	Q	6		0.13	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Surfside	CA	-118.081	33.728	Q	6		-1.40	2
Susanville	CA	-120.652	40.416	Q	6		4.52	1
Sutter Creek	CA	-120.801	38.393	J	1		0.07	1
Sylmar	CA	-118.448	34.308	Q	6		0.83	2
Taft	CA	-119.456	35.143	Q	6		-0.46	5
Tahoe City	CA	-120.138	39.172	Q	6		1.16	3
Tahoe Paradise	CA	-120.030	38.900	grMz	1		0.26	1
Tahoe Vista	CA	-120.050	39.240	Q	6		1.25	3
Tahoma	CA	-120.127	39.068	water	7		0.46	3
Talmage	CA	-123.167	39.133	Q	6		0.96	2
Tarzana	CA	-118.553	34.173	Q	6		-0.09	2
Tecate	CA	-116.627	32.577				2.31	1
Tecopa	CA	-116.226	35.848	Q	6		2.05	2
Tehachapi	CA	-118.448	35.132	Q	6		-0.63	3
Tehama	CA	-122.122	40.027	Q	6		-1.03	1
Temecula	CA	-117.148	33.494	Q	6		0.21	2
Temescal	CA	-122.250	37.830	Q	6	III	-1.31	1
Temple City	CA	-118.057	34.107	Q	6		-1.49	2
Templeton	CA	-120.705	35.550	Q	6		0.10	8
Terra Bella	CA	-119.043	35.963	Q	6		-0.18	4
Thermal	CA	-116.139	33.640	Q	6		0.76	2
Thermalito	CA	-121.586	39.511	QPc	5		0.46	1
Thornton	CA	-121.424	38.226	Q	6		-0.51	6
Thousand Oaks	CA	-118.837	34.171	Q	6		-1.16	2
Thousand Palms	CA	-116.389	33.820	Q	6		0.68	2
Three Rivers	CA	-118.904	36.439	grMz	1		0.19	3
Tiburon	CA	-122.456	37.874	KJfs	1	IV	0.00	2
Tipton	CA	-119.311	36.059	Q	6		0.03	6
Tollhouse	CA	-119.398	37.019	grMz	1		-1.59	1
Tomales	CA	-122.904	38.246	P	4		-0.84	3
Tonopah	NV	-117.229	38.067				3.55	1
Topanga	CA	-118.601	34.094	M	3		-0.89	2
Torrance	CA	-118.340	33.836	Q	6		-0.81	2
Trabuco Canyon	CA	-117.589	33.663	Q	6		-0.69	2
Tracy	CA	-121.424	37.740	Q	6		-0.42	7
Tranquillity	CA	-120.252	36.649	Q	6		-0.48	6
Traver	CA	-119.484	36.455	Q	6		0.34	5
Travis Air Force Base	CA	-121.930	38.250	Q	6		-0.84	4

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Treasure Island Naval Station	CA	-122.370	37.830	Q	6	IV	-0.16	1
Tres Pinos	CA	-121.320	36.790	Q	6		-0.95	5
Trona	CA	-117.372	35.763	Q	6		1.15	3
Trowbridge	CA	-121.524	38.911	Q	6		-0.67	2
Truckee	CA	-120.182	39.328	Q	6		0.89	2
Tujunga	CA	-118.288	34.252	Q	6		-0.99	2
Tulare	CA	-119.346	36.208	Q	6		-0.02	5
Tuolumne	CA	-120.236	37.961	grMz	1		0.14	6
Tupman	CA	-119.350	35.298	Q	6		-0.72	3
Turlock	CA	-120.846	37.495	Q	6		0.35	9
Tustin	CA	-117.825	33.746	Q	6		-0.64	2
Twain	CA	-121.071	40.020	Pz	1		-0.16	1
Twain Harte	CA	-120.232	38.040	grMz	1		0.41	6
Twentynine Palms	CA	-116.053	34.136	Q	6		1.17	2
Twin Bridges	CA	-120.123	38.811	grMz	1		1.21	1
Twin Peaks	CA	-117.233	34.239	grMz	1		2.02	2
Ukiah	CA	-123.207	39.150	Q	6		1.19	1
Union City	CA	-122.080	37.600	Q	6	III	-0.82	5
Universal City	CA	-118.353	34.139	M	3		0.59	1
Upland	CA	-117.648	34.098	Q	6		-0.79	2
Upper Lake	CA	-122.909	39.165	Q	6		0.00	1
Vacaville	CA	-121.987	38.357	E	2		-0.15	3
Valinda	CA	-117.943	34.045	Q	6		-0.88	1
Vallecito	CA	-120.472	38.087	Tvp	1		-0.39	3
Vallejo	CA	-122.256	38.104	Q	6		-0.12	4
Valleton	CA	-120.705	35.889	Q	6		-0.37	1
Valley Acres	CA	-119.406	35.206	Q	6		0.00	1
Valley Center	CA	-117.033	33.218	grMz	1		0.27	2
Valley Ford	CA	-122.923	38.318	P	4		0.28	3
Valley Home	CA	-120.911	37.829	QPc	5		-0.32	6
Valley Springs	CA	-120.828	38.192	Mzv	1		0.10	4
Valyermo	CA	-117.851	34.446	Q	6		-0.44	3
Van Nuys	CA	-118.448	34.187	Q	6		0.20	3
Vandenberg Air Force Base	CA	-120.580	34.730	Q	6		0.62	6
Venice	CA	-118.459	33.991	Q	6		-1.12	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Ventura	CA	-119.292	34.278	Q	6		0.50	5
Verdi	NV	-119.988	39.518				-0.95	1
Verdugo City	CA	-118.239	34.211	Q	6		-0.54	1
Vernalis	CA	-121.286	37.631	Q	6		0.06	6
Vernon	CA	-118.229	34.004	Q	6		-0.10	1
Victor	CA	-121.205	38.138	Q	6		-0.68	4
Victorville	CA	-117.290	34.536	Q	6		-0.64	2
Villa Grande	CA	-123.024	38.473	Q	6		0.76	4
Vina	CA	-122.053	39.933	Q	6		-2.28	1
Vincent	CA	-118.116	34.501	Q	6		-1.51	1
Vineburg	CA	-122.438	38.273	Tv	1		-0.66	3
Virginia City	NV	-119.649	39.310				1.37	1
Visalia	CA	-119.291	36.330	Q	6		0.27	7
Vista	CA	-117.242	33.200	grMz	1		0.52	2
Vista Grande	CA	-122.470	37.700	Q	6	III	-1.20	1
Volcano	CA	-120.630	38.443	Is	1		0.76	2
Wallace	CA	-120.977	38.194	Mc	1		0.25	3
Walnut	CA	-117.864	34.020	Q	6		-1.09	2
Walnut Creek	CA	-122.064	37.906	M	3		-0.03	5
Walnut Grove	CA	-121.511	38.242	Q	6		-0.05	5
Walti Ranch	CA	-120.550	35.950	M	3		-0.68	1
Warner Springs	CA	-116.633	33.282	grMz	1		0.29	2
Wasco	CA	-119.340	35.594	Q	6		-0.09	4
Waterford	CA	-120.759	37.641	Q	6		-0.19	6
Watsonville	CA	-121.756	36.910	Q	6	III	0.18	6
Waukena	CA	-119.509	36.139	Q	6		0.38	3
Weed	CA	-122.385	41.423	Tv	1		3.61	2
Weimar	CA	-120.971	39.038	J	1		-1.32	1
Weldon	CA	-118.289	35.666	Q	6		-1.21	1
West Covina	CA	-117.938	34.069	Q	6		0.39	3
West Hills	CA	-118.637	34.207	Q	6		-0.61	1
West Los Angeles	CA	-118.447	34.046	Q	6		-0.32	2
West Menlo Park	CA	-122.200	37.430	KJf	1	III	-0.90	1
West Pittsburg	CA	-121.936	38.027	Q	6		-0.19	1
West Point	CA	-120.526	38.399	grMz	1		0.11	6
West Sacramento	CA	-121.529	38.581	Q	6		0.11	4
Westend	CA	-117.391	35.707	Q	6		0.43	1

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Westlake Village	CA	-118.824	34.147	Q	6		-1.24	1
Westley	CA	-121.198	37.549	Q	6		-1.02	6
Westminster	CA	-118.006	33.759	Q	6		-1.38	2
Westmorland	CA	-115.621	33.037	Q	6		3.39	1
Westwood	CA	-118.430	34.056	Qv	1		-1.27	1
Westwood Village	CA	-118.443	34.059	Q	6		-0.41	1
Wheatland	CA	-121.422	39.010	Q	6		-0.01	4
Wheeler Ridge	CA	-118.949	35.004	Q	6		-1.38	1
White Water	CA	-116.638	33.925	Q	6		0.66	2
Whittier	CA	-118.032	33.979	Q	6		-0.88	1
Whittier (Downtown)	CA	-118.033	33.981	Q	6		-0.70	1
Wild	CA	-117.260	34.780	Tc	1		-0.77	1
Williams	CA	-122.148	39.155	Q	6		-0.39	2
Willits	CA	-123.354	39.410	Q	6		1.83	1
Willows	CA	-122.193	39.524	Q	6		-0.54	1
Wilmington	CA	-118.262	33.780	Q	6		-1.15	2
Wilseyville	CA	-120.514	38.379	Pz	1		0.82	4
Wilton	CA	-121.271	38.412	Q	6		-0.98	4
Winchester	CA	-117.084	33.707	Q	6		0.05	2
Windsor	CA	-122.815	38.547	Q	6		0.12	2
Winterhaven	CA	-114.634	32.739	Q	6		3.40	1
Winters	CA	-121.970	38.525	Q	6		-0.70	4
Winton	CA	-120.612	37.389	Qs	6		-0.47	7
Wishon	CA	-119.540	37.300	grMz	1		-0.22	2
Wofford Heights	CA	-118.455	35.707	Q	6		-0.96	3
Wood Hills (El Camino Real Hs)	CA	-118.640	34.175	Q	6		0.41	1
Woodacre	CA	-122.644	38.013	KJf	1		0.24	5
Woodbridge	CA	-121.300	38.154	Q	6		-0.83	4
Woodlake	CA	-119.100	36.410	Q	6		-1.77	1
Woodland	CA	-121.772	38.679	Q	6		0.41	4
Woodland Hills	CA	-118.605	34.168	Q	6		-0.41	1
Woodside	CA	-122.253	37.430	E	2	lb	-0.08	1
Woodville	CA	-119.198	36.094	Q	6		-0.66	4
Woody	CA	-118.833	35.704	grMz	1		-0.23	3
Work Ranch	CA	-120.353	35.820	Q	6		-0.37	1
Wrightwood	CA	-117.633	34.361	Q	6		-0.83	2

**Table 2. Site Corrections and Geologic Descriptions
(Bakun and Wentworth, 1997)**

Location Name	St	Long	Lat	Ca Geology	CA Geolg Class	Soil Class	Site Corr	No. of Training- set Events
Yerington	NV	-119.162	38.986				2.50	2
Yermo	CA	-116.819	34.905	Tc	1		1.12	2
Yetterm	CA	-119.259	36.486	Q	6		0.56	3
Yolo	CA	-121.807	38.732	Q	6		-0.15	5
Yorba Linda	CA	-117.812	33.889	Q	6		-1.34	2
Yosemite National Park	CA	-119.630	37.750	grMz	1		1.69	4
Yountville	CA	-122.360	38.402	Q	6		-0.32	3
Yuba City	CA	-121.616	39.141	Q	6		0.54	3
Yucaipa	CA	-117.042	34.034	Q	6		-0.64	2
Yucca Valley	CA	-116.445	34.119	Q	6		0.44	2
Zamora	CA	-121.881	38.797	Q	6		-1.64	2
Zayante	CA	-122.043	37.092	M	3	lb	0.12	1
Zephyr Cove	NV	-119.955	39.002				1.39	2

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Parkfield 1881	2/2/1881	Hollister	CA	5.5	-121.401	36.853	0.11	5.39
Parkfield 1881	2/2/1881	Imusdale	CA	8	-120.432	35.900		8.00
Parkfield 1881	2/2/1881	San Luis Obispo	CA	3.5	-120.659	35.283	0.17	3.33
Parkfield 1881	2/2/1881	Lemoore	CA	3.5	-119.782	36.301	0.50	3.00
Parkfield 1881	2/2/1881	Santa Cruz	CA	3.5	-122.030	36.974	-0.07	3.57
Parkfield 1881	2/2/1881	Visalia	CA	3.5	-119.291	36.330	0.27	3.23
Parkfield 1881	2/2/1881	Salinas	CA	3.5	-121.654	36.678	-0.16	3.66
Parkfield 01	3/3/01	Parkfield	CA	8	-120.432	35.900	0.71	7.29
Parkfield 01	3/3/01	Stone Canyon	CA	8	-120.550	36.020		8.00
Parkfield 01	3/3/01	Adelaida	CA	6	-120.873	35.646	-0.79	6.79
Parkfield 01	3/3/01	Estrella	CA	6	-120.609	35.706		6.00
Parkfield 01	3/3/01	Paso Robles	CA	6	-120.690	35.627	-0.16	6.16
Parkfield 01	3/3/01	San Miguel	CA	6	-120.695	35.753	-0.09	6.09
Parkfield 01	3/3/01	San Luis Obispo	CA	5	-120.659	35.283	0.17	4.83
Parkfield 01	3/3/01	Porterville	CA	3	-119.016	36.065	0.59	2.41
Parkfield 01	3/3/01	San Jose	CA	3	-121.894	37.339	0.15	2.85
Parkfield 01	3/3/01	Visalia	CA	3	-119.291	36.330	0.27	2.73
Parkfield 22	3/10/22	Parkfield	CA	7	-120.432	35.900	0.71	6.29
Parkfield 22	3/10/22	Shandon	CA	7	-120.374	35.655	-0.09	7.09
Parkfield 22	3/10/22	Simmler	CA	7	-119.986	35.351	-0.10	7.10
Parkfield 22	3/10/22	Los Angeles	CA	5	-118.290	34.270	1.11	3.89
Parkfield 22	3/10/22	Maricopa	CA	5	-119.400	35.059	0.15	4.85
Parkfield 22	3/10/22	Paso Robles	CA	5	-120.690	35.627	-0.16	5.16
Parkfield 22	3/10/22	San Luis Obispo	CA	5	-120.659	35.283	0.17	4.83
Parkfield 22	3/10/22	Lindsay	CA	4	-119.087	36.203	0.47	3.53
Parkfield 22	3/10/22	Los Alamos	CA	4	-120.277	34.744	1.00	3.00
Parkfield 22	3/10/22	Salinas	CA	4	-121.654	36.678	-0.16	4.16
Parkfield 22	3/10/22	Spreckels	CA	4	-121.646	36.622	-0.28	4.28
Parkfield 22	3/10/22	Angiola	CA	3	-119.475	35.989		3.00
Parkfield 22	3/10/22	Bakersfield	CA	3	-119.018	35.373	0.08	2.92
Parkfield 22	3/10/22	Fresno	CA	3	-119.771	36.748	0.10	2.90
Parkfield 34	6/8/34	Parkfield	CA	8	-120.432	35.900	0.71	7.29
Parkfield 34	6/8/34	Paso Robles	CA	8	-120.690	35.627	-0.16	8.16
Parkfield 34	6/8/34	La Panza	CA	7	-120.214	35.361	-0.33	7.33
Parkfield 34	6/8/34	Stone Canyon	CA	7	-120.550	36.020		7.00
Parkfield 34	6/8/34	Castroville	CA	6	-121.757	36.766	-0.54	6.54
Parkfield 34	6/8/34	Coalinga	CA	6	-120.359	36.140	0.29	5.71
Parkfield 34	6/8/34	Kettleman City	CA	6	-119.961	36.008	0.40	5.60
Parkfield 34	6/8/34	Atascadero	CA	5	-120.670	35.489	0.38	4.62
Parkfield 34	6/8/34	Cholame	CA	5	-120.296	35.724	-0.18	5.18
Parkfield 34	6/8/34	Dudley	CA	5	-121.530	38.550		5.00
Parkfield 34	6/8/34	Hollister	CA	5	-121.401	36.853	0.11	4.89
Parkfield 34	6/8/34	Jamesburg	CA	5	-121.589	36.370	-0.54	5.54
Parkfield 34	6/8/34	King City	CA	5	-121.125	36.213	-0.43	5.43
Parkfield 34	6/8/34	Lemoore	CA	5	-119.782	36.301	0.50	4.50
Parkfield 34	6/8/34	Lost Hills	CA	5	-119.693	35.616	-0.23	5.23
Parkfield 34	6/8/34	Mckittrick	CA	5	-119.622	35.306	-0.36	5.36
Parkfield 34	6/8/34	Oilfields	CA	5	-120.310	36.250	-0.02	5.02
Parkfield 34	6/8/34	San Miguel	CA	5	-120.695	35.753	-0.09	5.09
Parkfield 34	6/8/34	Shale Pump Station	CA	5	-121.830	36.600		5.00
Parkfield 34	6/8/34	Shandon	CA	5	-120.374	35.655	-0.09	5.09

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Parkfield 34	6/8/34	Adelaida	CA	4	-120.873	35.646	-0.79	4.79
Parkfield 34	6/8/34	Alpaugh	CA	4	-119.486	35.888	0.17	3.83
Parkfield 34	6/8/34	Antelope	CA	4	-121.329	38.708		4.00
Parkfield 34	6/8/34	Avenal	CA	4	-120.128	36.004	0.21	3.79
Parkfield 34	6/8/34	Avila Beach	CA	4	-120.731	35.180	0.84	3.16
Parkfield 34	6/8/34	Bakersfield	CA	4	-119.018	35.373	0.08	3.92
Parkfield 34	6/8/34	Bryson	CA	4	-121.089	35.807	-0.63	4.63
Parkfield 34	6/8/34	Buttonwillow	CA	4	-119.469	35.401	0.57	3.43
Parkfield 34	6/8/34	Canoga Park	CA	4	-118.597	34.201	0.47	3.53
Parkfield 34	6/8/34	Creston	CA	4	-120.523	35.519	-0.29	4.29
Parkfield 34	6/8/34	Ducor	CA	4	-119.046	35.892	-0.19	4.19
Parkfield 34	6/8/34	Fillmore	CA	4	-118.917	34.399	0.66	3.34
Parkfield 34	6/8/34	Gonzales	CA	4	-121.443	36.507	-1.02	5.02
Parkfield 34	6/8/34	Halcyon	CA	4	-120.595	35.103	-0.55	4.55
Parkfield 34	6/8/34	Hanford	CA	4	-119.645	36.328	0.12	3.88
Parkfield 34	6/8/34	Los Alamos	CA	4	-120.277	34.744	1.00	3.00
Parkfield 34	6/8/34	Maricopa	CA	4	-119.400	35.059	0.15	3.85
Parkfield 34	6/8/34	Mcfarland	CA	4	-119.228	35.678	-0.02	4.02
Parkfield 34	6/8/34	Modesto	CA	4	-120.996	37.639	-0.39	4.39
Parkfield 34	6/8/34	Morro Bay	CA	4	-120.849	35.366	-0.20	4.20
Parkfield 34	6/8/34	Nipomo	CA	4	-120.475	35.043	-0.31	4.31
Parkfield 34	6/8/34	Oceano	CA	4	-120.611	35.099	0.44	3.56
Parkfield 34	6/8/34	Oil City	CA	4	-118.959	35.426		4.00
Parkfield 34	6/8/34	Orcutt	CA	4	-120.435	34.865		4.00
Parkfield 34	6/8/34	Paso Robles	CA	4	-120.690	35.627	-0.16	4.16
Parkfield 34	6/8/34	Pixley	CA	4	-119.291	35.969	0.94	3.06
Parkfield 34	6/8/34	Point Hueneme Light Sta	CA	4	-119.160	34.130		4.00
Parkfield 34	6/8/34	Priest Valley	CA	4	-120.670	36.170	-1.18	5.18
Parkfield 34	6/8/34	Salinas	CA	4	-121.654	36.678	-0.16	4.16
Parkfield 34	6/8/34	San Luis Obispo	CA	4	-120.659	35.283	0.17	3.83
Parkfield 34	6/8/34	Santa Cruz	CA	4	-122.030	36.974	-0.07	4.07
Parkfield 34	6/8/34	Santa Margarita	CA	4	-120.608	35.390	-0.41	4.41
Parkfield 34	6/8/34	Santa Maria	CA	4	-120.435	34.953	-0.15	4.15
Parkfield 34	6/8/34	Soledad	CA	4	-121.325	36.425	-0.16	4.16
Parkfield 34	6/8/34	Soquel	CA	4	-121.956	36.988	-0.33	4.33
Parkfield 34	6/8/34	Templeton	CA	4	-120.705	35.550	0.10	3.90
Parkfield 34	6/8/34	Ventura	CA	4	-119.292	34.278	0.50	3.50
Parkfield 34	6/8/34	Visalia	CA	4	-119.291	36.330	0.27	3.73
Parkfield 34	6/8/34	Westhaven	CA	4	-119.994	36.227		4.00
Parkfield 34	6/8/34	Woody	CA	4	-118.833	35.704	-0.23	4.23
Parkfield 34	6/8/34	Alviso	CA	3	-121.974	37.426	-1.27	4.27
Parkfield 34	6/8/34	Aptos	CA	3	-121.898	36.977	-0.90	3.90
Parkfield 34	6/8/34	Bodfish	CA	3	-118.491	35.588	-0.29	3.29
Parkfield 34	6/8/34	Castaic	CA	3	-118.622	34.489	-0.80	3.80
Parkfield 34	6/8/34	Clovis	CA	3	-119.702	36.825	0.54	2.46
Parkfield 34	6/8/34	Exeter	CA	3	-119.141	36.296	0.14	2.86
Parkfield 34	6/8/34	Famoso	CA	3	-119.207	35.598		3.00
Parkfield 34	6/8/34	Fresno	CA	3	-119.771	36.748	0.10	2.90
Parkfield 34	6/8/34	Glendale	CA	3	-118.254	34.143	-0.32	3.32
Parkfield 34	6/8/34	Gorman	CA	3	-118.852	34.796	-1.86	4.86

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Parkfield 34	6/8/34	Kaweah	CA	3	-118.918	36.470	-0.84	3.84
Parkfield 34	6/8/34	Kernville	CA	3	-118.424	35.755	0.37	2.63
Parkfield 34	6/8/34	Laurel	CA	3	-121.965	37.117	-0.35	3.35
Parkfield 34	6/8/34	Lone Pine	CA	3	-118.062	36.606	1.72	1.28
Parkfield 34	6/8/34	Lonoak	CA	3	-120.942	36.278		3.00
Parkfield 34	6/8/34	Los Angeles	CA	3	-118.290	34.270	1.11	1.89
Parkfield 34	6/8/34	Los Banos	CA	3	-120.849	37.058	0.05	2.95
Parkfield 34	6/8/34	Mendota	CA	3	-120.381	36.754	-0.96	3.96
Parkfield 34	6/8/34	Miramonte	CA	3	-119.051	36.693		3.00
Parkfield 34	6/8/34	Monterey	CA	3	-121.894	36.600	-0.16	3.16
Parkfield 34	6/8/34	Moss Landing	CA	3	-121.786	36.804	-0.35	3.35
Parkfield 34	6/8/34	Mount Hermon	CA	3	-122.058	37.051	-0.38	3.38
Parkfield 34	6/8/34	Oakland Harbor Light Station	CA	3	-122.250	37.800		3.00
Parkfield 34	6/8/34	Pasadena	CA	3	-118.130	34.150	1.04	1.96
Parkfield 34	6/8/34	Port San Luis Pump Station	CA	3	-120.780	35.160		3.00
Parkfield 34	6/8/34	Raisin	CA	3	-119.910	36.610	0.59	2.41
Parkfield 34	6/8/34	San Benito	CA	3	-121.081	36.510		3.00
Parkfield 34	6/8/34	Sanger	CA	3	-119.555	36.708	-0.63	3.63
Parkfield 34	6/8/34	Santa Ana	CA	3	-117.867	33.746	-0.70	3.70
Parkfield 34	6/8/34	Shafter	CA	3	-119.271	35.501	0.13	2.87
Parkfield 34	6/8/34	Tehachapi	CA	3	-118.448	35.132	-0.53	3.63
Parkfield 34	6/8/34	Three Rivers	CA	3	-118.904	36.439	0.19	2.81
Parkfield 34	6/8/34	Tipton	CA	3	-119.311	36.059	0.03	2.97
Parkfield 34	6/8/34	Tranquillity	CA	3	-120.252	36.649	-0.48	3.48
Parkfield 34	6/8/34	Tulare	CA	3	-119.346	36.208	-0.02	3.02
Parkfield 34	6/8/34	Van Nuys	CA	3	-118.448	34.187	0.20	2.80
Parkfield 34	6/8/34	Wheeler Ridge	CA	3	-118.949	35.004	-1.38	4.38
Truckee	9/12/66	Boca	CA	7	-120.093	39.386		7.00
Truckee	9/12/66	Floriston	CA	7	-120.020	39.395		7.00
Truckee	9/12/66	Hirschdale	CA	7	-120.075	39.369		7.00
Truckee	9/12/66	Hobart Mills	CA	7	-120.183	39.401		7.00
Truckee	9/12/66	Kings Beach	CA	7	-120.026	39.238	0.73	6.27
Truckee	9/12/66	Loyalton	CA	7	-120.240	39.676	2.11	4.89
Truckee	9/12/66	Sierraville	CA	7	-120.366	39.590	3.43	3.57
Truckee	9/12/66	Truckee	CA	7	-120.182	39.328	0.89	6.11
Truckee	9/12/66	Verdi	NV	7	-119.988	39.518	-0.95	7.95
Truckee	9/12/66	Vinton	CA	7	-120.177	39.804		7.00
Truckee	9/12/66	Baxter	CA	6	-120.780	39.213	-0.25	6.25
Truckee	9/12/66	Blairsden	CA	6	-120.616	39.781	2.08	3.92
Truckee	9/12/66	Calpine	CA	6	-120.439	39.666		6.00
Truckee	9/12/66	Camino	CA	6	-120.674	38.738	0.38	5.62
Truckee	9/12/66	Camptonville	CA	6	-121.048	39.452	1.37	4.63
Truckee	9/12/66	Carnelian Bay	CA	6	-120.081	39.227	1.64	4.36
Truckee	9/12/66	Carson City	NV	6	-119.766	39.164	1.92	4.08
Truckee	9/12/66	Cedar Ridge	CA	6	-121.020	39.199	1.13	4.87
Truckee	9/12/66	Chilcoot	CA	6	-120.139	39.798		6.00
Truckee	9/12/66	Crystal Bay	NV	6	-120.000	39.230		6.00
Truckee	9/12/66	Dardanelle	CA	6	-119.833	38.341		6.00
Truckee	9/12/66	Delleker	CA	6	-120.497	39.809		6.00

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Truckee	9/12/66	Dobbins	CA	6	-121.205	39.372	-1.09	7.09
Truckee	9/12/66	Doyle	CA	6	-120.103	40.028	2.94	3.06
Truckee	9/12/66	El Dorado	CA	6	-120.847	38.683	-0.56	6.56
Truckee	9/12/66	Emigrant Gap	CA	6	-120.672	39.297	0.70	5.30
Truckee	9/12/66	Fernley	NV	6	-119.250	39.610	1.63	4.37
Truckee	9/12/66	Georgetown	CA	6	-120.838	38.907	0.56	5.44
Truckee	9/12/66	Glencoe	CA	6	-120.584	38.354	0.77	5.23
Truckee	9/12/66	Graeagle	CA	6	-120.618	39.766	-0.92	6.92
Truckee	9/12/66	Iowa Hill	CA	6	-120.858	39.109	1.43	4.57
Truckee	9/12/66	Litchfield	CA	6	-120.386	40.383		6.00
Truckee	9/12/66	Lotus	CA	6	-120.908	38.802	-0.84	6.84
Truckee	9/12/66	Mather Air Force Base	CA	6	-121.300	38.560	0.67	5.33
Truckee	9/12/66	Meeks Bay	CA	6	-120.123	39.034		6.00
Truckee	9/12/66	Minden	NV	6	-119.765	38.954	1.49	4.51
Truckee	9/12/66	Nevada City	CA	6	-121.015	39.262	-0.12	6.12
Truckee	9/12/66	Norden	CA	6	-120.355	39.318	0.21	5.79
Truckee	9/12/66	North Bloomfield	CA	6	-120.898	39.368		6.00
Truckee	9/12/66	Placerville	CA	6	-120.798	38.730	0.06	5.94
Truckee	9/12/66	Portola	CA	6	-120.468	39.811	2.68	3.32
Truckee	9/12/66	Reno	NV	6	-119.813	39.530	2.01	3.99
Truckee	9/12/66	Reno (17 Mi N Of)	NV	6	-119.800	39.780		6.00
Truckee	9/12/66	Sacramento	CA	6	-121.493	38.582	0.86	5.14
Truckee	9/12/66	Sattley	CA	6	-120.426	39.616		6.00
Truckee	9/12/66	Shingle Springs	CA	6	-120.925	38.666		6.00
Truckee	9/12/66	Sparks	NV	6	-119.752	39.535	1.74	4.26
Truckee	9/12/66	Stateline	NV	6	-119.943	38.958		6.00
Truckee	9/12/66	Stewart	NV	6	-119.750	39.120		6.00
Truckee	9/12/66	Tahoe City	CA	6	-120.138	39.172	1.16	4.84
Truckee	9/12/66	Tahoe Vista	CA	6	-120.050	39.240	1.25	4.75
Truckee	9/12/66	Tahoma	CA	6	-120.127	39.068	0.46	5.54
Truckee	9/12/66	Walnut Grove	CA	6	-121.511	38.242	-0.05	6.05
Truckee	9/12/66	Wilseyville	CA	6	-120.514	38.379	0.82	5.18
Truckee	9/12/66	Amador City	CA	5	-120.823	38.419	0.00	5.00
Truckee	9/12/66	Angels Camp	CA	5	-120.539	38.068	-0.24	5.24
Truckee	9/12/66	Auburn	CA	5	-121.076	38.897	-0.19	5.19
Truckee	9/12/66	Avery	CA	5	-120.369	38.204	-0.46	5.46
Truckee	9/12/66	Beale Air Force Base	CA	5	-121.440	39.140	0.02	4.98
Truckee	9/12/66	Bab						
Truckee	9/12/66	Beckwourth	CA	5	-120.378	39.820		5.00
Truckee	9/12/66	Berry Creek	CA	5	-121.402	39.645	-0.20	5.20
Truckee	9/12/66	Bijou	CA	5	-119.968	38.947		5.00
Truckee	9/12/66	Brooks	CA	5	-122.147	38.742	0.48	4.52
Truckee	9/12/66	Butte City	CA	5	-121.989	39.465	-0.91	5.91
Truckee	9/12/66	Canyondam	CA	5	-121.072	40.172	0.14	4.86
Truckee	9/12/66	Carmichael	CA	5	-121.327	38.617	-0.11	5.11
Truckee	9/12/66	Chico	CA	5	-121.836	39.729	-0.47	5.47
Truckee	9/12/66	Clio	CA	5	-120.579	39.743	-0.88	5.88
Truckee	9/12/66	Coleville	CA	5	-119.506	38.566	1.20	3.80
Truckee	9/12/66	Colfax	CA	5	-120.952	39.101	-1.39	6.39
Truckee	9/12/66	College City	CA	5	-122.008	39.006	-1.39	6.39

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Truckee	9/12/66	Columbia	CA	5	-120.400	38.036	0.12	4.88
Truckee	9/12/66	Downieville	CA	5	-120.826	39.559	-0.42	5.42
Truckee	9/12/66	Dunnigan	CA	5	-121.969	38.885	0.51	4.49
Truckee	9/12/66	Dutch Flat	CA	5	-120.837	39.206	0.73	4.27
Truckee	9/12/66	El Portal	CA	5	-119.783	37.675	0.38	4.62
Truckee	9/12/66	Elk Grove	CA	5	-121.371	38.409	-0.23	5.23
Truckee	9/12/66	Elmira	CA	5	-121.909	38.348	-0.42	5.42
Truckee	9/12/66	Elverta	CA	5	-121.462	38.714	0.55	4.45
Truckee	9/12/66	Elverta (7 Mi N Of)	CA	5	-121.440	38.790		5.00
Truckee	9/12/66	Esparto	CA	5	-122.016	38.692	-0.09	5.09
Truckee	9/12/66	Fair Play	CA	5	-120.659	38.594		5.00
Truckee	9/12/66	Feather Falls	CA	5	-121.255	39.593	-0.10	5.10
Truckee	9/12/66	Folsom	CA	5	-121.175	38.678	-0.82	5.82
Truckee	9/12/66	French Corral	CA	5	-121.160	39.306		5.00
Truckee	9/12/66	Genoa	NV	5	-119.846	39.004	2.05	2.95
Truckee	9/12/66	Glenbrook	NV	5	-119.938	39.089	1.80	3.20
Truckee	9/12/66	Goodyears Bar	CA	5	-120.883	39.540	-1.52	6.52
Truckee	9/12/66	Grass Valley	CA	5	-121.060	39.219	-0.70	5.70
Truckee	9/12/66	Grizzly Flats	CA	5	-120.530	38.640	-0.12	5.12
Truckee	9/12/66	Groveland	CA	5	-120.232	37.838	-0.34	5.34
Truckee	9/12/66	Hathaway Pines	CA	5	-120.364	38.192	0.42	4.58
Truckee	9/12/66	Hawthorne-Nv	NV	5	-118.624	38.525	1.66	3.34
Truckee	9/12/66	Herlong	CA	5	-120.134	40.144		5.00
Truckee	9/12/66	Homewood	CA	5	-120.159	39.087	1.20	3.80
Truckee	9/12/66	Isleton	CA	5	-121.611	38.162	0.00	5.00
Truckee	9/12/66	Jackson	CA	5	-120.773	38.349	0.01	4.99
Truckee	9/12/66	Janesville	CA	5	-120.523	40.297	4.24	0.76
Truckee	9/12/66	Johnsville	CA	5	-120.694	39.761		5.00
Truckee	9/12/66	Kelsey	CA	5	-120.820	38.799	-0.74	5.74
Truckee	9/12/66	Kit Carson	CA	5	-120.110	38.670		5.00
Truckee	9/12/66	Knightsen	CA	5	-121.667	37.969	-0.41	5.41
Truckee	9/12/66	La Porte	CA	5	-120.983	39.682		5.00
Truckee	9/12/66	Lincoln	CA	5	-121.292	38.892	-0.31	5.31
Truckee	9/12/66	Long Barn	CA	5	-120.133	38.093	0.88	4.12
Truckee	9/12/66	Madison	CA	5	-121.967	38.679	-0.16	5.16
Truckee	9/12/66	Manteca	CA	5	-121.215	37.798	-0.45	5.45
Truckee	9/12/66	Modesto	CA	5	-120.996	37.639	-0.39	5.39
Truckee	9/12/66	Mokelumne Hill	CA	5	-120.705	38.301	-0.65	5.65
Truckee	9/12/66	Mount Aukum	CA	5	-120.730	38.560	0.85	4.15
Truckee	9/12/66	Nelson	CA	5	-121.764	39.552	-1.24	6.24
Truckee	9/12/66	Nixon	NV	5	-119.360	39.830	0.25	4.75
Truckee	9/12/66	Oregon House	CA	5	-121.278	39.356	-1.19	6.19
Truckee	9/12/66	Orland	CA	5	-122.195	39.748	-0.36	5.36
Truckee	9/12/66	Oroville	CA	5	-121.555	39.514	0.49	4.51
Truckee	9/12/66	Palermo	CA	5	-121.537	39.436	0.33	4.67
Truckee	9/12/66	Patterson	CA	5	-121.129	37.472	-0.34	5.34
Truckee	9/12/66	Pittsburg	CA	5	-121.884	38.028	0.17	4.83
Truckee	9/12/66	Pleasant Grove	CA	5	-121.483	38.824	-0.03	5.03
Truckee	9/12/66	Pollock Pines	CA	5	-120.586	38.761	0.51	4.49
Truckee	9/12/66	Rackerby	CA	5	-121.340	39.440	-1.35	6.35
Truckee	9/12/66	Rail Road Flat	CA	5	-120.510	38.340	0.35	4.65

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Truckee	9/12/66	Rancho Cordova	CA	5	-121.302	38.589		5.00
Truckee	9/12/66	Rescue	CA	5	-120.950	38.710	0.31	4.69
Truckee	9/12/66	River Pines	CA	5	-120.743	38.546	0.56	4.44
Truckee	9/12/66	Riverbank	CA	5	-120.934	37.736	-0.08	5.08
Truckee	9/12/66	Roseville	CA	5	-121.287	38.752	-0.23	5.23
Truckee	9/12/66	San Andreas	CA	5	-120.679	38.196	-0.65	5.65
Truckee	9/12/66	Sheridan	CA	5	-121.374	38.980	0.96	4.04
Truckee	9/12/66	Sierra City	CA	5	-120.633	39.566	-0.08	5.08
Truckee	9/12/66	Sloat	CA	5	-120.726	39.867		5.00
Truckee	9/12/66	Sloughhouse	CA	5	-121.193	38.496	0.09	4.91
Truckee	9/12/66	Somerset	CA	5	-120.685	38.648		5.00
Truckee	9/12/66	Spring Garden	CA	5	-120.785	39.895		5.00
Truckee	9/12/66	Stirling City	CA	5	-121.527	39.908	-0.66	5.66
Truckee	9/12/66	Stockton	CA	5	-121.290	37.958	0.88	4.12
Truckee	9/12/66	Storrie	CA	5	-121.322	39.918	-0.57	5.57
Truckee	9/12/66	Strawberry Valley	CA	5	-121.106	39.564	0.63	4.37
Truckee	9/12/66	Tahoe Valley	CA	5	-120.003	38.914		5.00
Truckee	9/12/66	Topaz	CA	5	-119.520	38.660		5.00
Truckee	9/12/66	Travis Air Force Base	CA	5	-121.930	38.250	-0.84	5.84
Truckee	9/12/66	Trowbridge	CA	5	-121.524	38.911	-0.67	5.67
Truckee	9/12/66	Twain Harte	CA	5	-120.232	38.040	0.41	4.59
Truckee	9/12/66	Twin Bridges	CA	5	-120.123	38.811	1.21	3.79
Truckee	9/12/66	Vacaville	CA	5	-121.987	38.357	-0.15	5.15
Truckee	9/12/66	Verona	CA	5	-121.618	38.786		5.00
Truckee	9/12/66	Virginia City	NV	5	-119.649	39.310	1.37	3.63
Truckee	9/12/66	Wadsworth	NV	5	-119.280	39.630		5.00
Truckee	9/12/66	West Point	CA	5	-120.526	38.399	0.11	4.89
Truckee	9/12/66	Westwood	CA	5	-121.005	40.306	-1.27	6.27
Truckee	9/12/66	Wheatland	CA	5	-121.422	39.010	-0.01	5.01
Truckee	9/12/66	Willows	CA	5	-122.193	39.524	-0.54	5.54
Truckee	9/12/66	Winters	CA	5	-121.970	38.525	-0.70	5.70
Truckee	9/12/66	Woodland	CA	5	-121.772	38.679	0.41	4.59
Truckee	9/12/66	Yankee Jims	CA	5	-120.861	39.029		5.00
Truckee	9/12/66	Yerington	NV	5	-119.162	38.986	2.50	2.50
Truckee	9/12/66	Yosemite National Park	CA	5	-119.630	37.750	1.69	3.31
Truckee	9/12/66	Yountville	CA	5	-122.360	38.402	-0.32	5.32
Truckee	9/12/66	Yuba City	CA	5	-121.616	39.141	0.54	4.46
Truckee	9/12/66	Zamora	CA	5	-121.881	38.797	-1.64	6.64
Truckee	9/12/66	Albany	CA	4	-122.297	37.887	-0.31	4.31
Truckee	9/12/66	Almanor	CA	4	-121.173	40.218		4.00
Truckee	9/12/66	Antioch	CA	4	-121.805	38.005	-0.36	4.36
Truckee	9/12/66	Applegate	CA	4	-120.991	39.001	0.14	3.86
Truckee	9/12/66	Arbuckle	CA	4	-122.057	39.018	-1.01	5.01
Truckee	9/12/66	Bangor	CA	4	-121.404	39.389	0.73	3.27
Truckee	9/12/66	Belden	CA	4	-121.248	40.006	-0.33	4.33
Truckee	9/12/66	Berkeley	CA	4	-122.272	37.872	-0.02	4.02
Truckee	9/12/66	Bieber	CA	4	-121.143	41.121	0.18	3.82
Truckee	9/12/66	Birds Landing	CA	4	-121.870	38.133	-0.70	4.70
Truckee	9/12/66	Browns Valley	CA	4	-121.408	39.242	-0.36	4.36

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Truckee	9/12/66	Brush Creek	CA	4	-121.338	39.691		4.00
Truckee	9/12/66	Bucks Lake	CA	4	-121.170	39.880		4.00
Truckee	9/12/66	Byron	CA	4	-121.637	37.867	-0.40	4.40
Truckee	9/12/66	Camp Connell	CA	4	-120.277	38.309	-1.09	5.09
Truckee	9/12/66	Caribou	CA	4	-121.157	40.081	-1.11	5.11
Truckee	9/12/66	Citrus Heights	CA	4	-121.280	38.707	-0.11	4.11
Truckee	9/12/66	Clarksburg	CA	4	-121.526	38.421	0.10	3.90
Truckee	9/12/66	Colusa	CA	4	-122.008	39.214	-0.97	4.97
Truckee	9/12/66	Coulterville	CA	4	-120.197	37.711	-1.49	5.49
Truckee	9/12/66	Crockett	CA	4	-122.212	38.053	-0.62	4.62
Truckee	9/12/66	Crows Landing	CA	4	-121.071	37.394	-0.58	4.58
Truckee	9/12/66	Daly City	CA	4	-122.461	37.706	0.17	3.83
Truckee	9/12/66	Diamond Springs	CA	4	-120.814	38.695	-0.55	4.55
Truckee	9/12/66	Farmington	CA	4	-120.999	37.930	0.04	3.96
Truckee	9/12/66	Fiddletown	CA	4	-120.754	38.504	-0.20	4.20
Truckee	9/12/66	Forest Ranch	CA	4	-121.672	39.882	-0.69	4.69
Truckee	9/12/66	Friant	CA	4	-119.711	36.988	0.49	3.51
Truckee	9/12/66	Galt	CA	4	-121.299	38.255	-0.72	4.72
Truckee	9/12/66	Gardnerville	NV	4	-119.749	38.941	1.35	2.65
Truckee	9/12/66	Gerber	CA	4	-122.149	40.056	-0.95	4.95
Truckee	9/12/66	Gerlach	NV	4	-119.360	40.650	1.01	2.99
Truckee	9/12/66	Greenwood	CA	4	-122.193	39.696	-1.42	5.42
Truckee	9/12/66	Gridley	CA	4	-121.693	39.364	-1.37	5.37
Truckee	9/12/66	Guinda	CA	4	-122.193	38.829	0.13	3.87
Truckee	9/12/66	Hollister	CA	4	-121.401	36.853	0.11	3.89
Truckee	9/12/66	Hope Valley	CA	4	-119.930	38.730		4.00
Truckee	9/12/66	Ione	CA	4	-120.932	38.353	-0.02	4.02
Truckee	9/12/66	Jamestown	CA	4	-120.422	37.953	-1.82	5.82
Truckee	9/12/66	Kennedy Meadow	CA	4	-119.745	38.312		4.00
Truckee	9/12/66	La Grange	CA	4	-120.463	37.664	0.14	3.86
Truckee	9/12/66	Lake Alpine	CA	4	-120.003	38.479		4.00
Truckee	9/12/66	Lee Vining	CA	4	-119.121	37.958	1.36	2.64
Truckee	9/12/66	Liberty Farms	CA	4	-121.710	38.400	-1.29	5.29
Truckee	9/12/66	Lovelock	NV	4	-118.473	40.179	3.09	0.91
Truckee	9/12/66	Markleeville	CA	4	-119.779	38.695	0.41	3.59
Truckee	9/12/66	Martell	CA	4	-120.795	38.367		4.00
Truckee	9/12/66	Marysville	CA	4	-121.590	39.146	0.54	3.46
Truckee	9/12/66	Maxwell	CA	4	-122.190	39.276	-0.49	4.49
Truckee	9/12/66	Meadow Valley	CA	4	-121.060	39.930	-0.32	4.32
Truckee	9/12/66	Merced	CA	4	-120.482	37.302	0.37	3.63
Truckee	9/12/66	Michigan Bluff	CA	4	-120.740	39.043		4.00
Truckee	9/12/66	Midpines	CA	4	-119.919	37.544		4.00
Truckee	9/12/66	Milford	CA	4	-120.371	40.171		4.00
Truckee	9/12/66	Mina	NV	4	-118.108	38.391		4.00
Truckee	9/12/66	Mineral	CA	4	-121.594	40.348	-0.65	4.65
Truckee	9/12/66	Napa	CA	4	-122.284	38.297	0.32	3.68
Truckee	9/12/66	O'Neals	CA	4	-119.693	37.128	-0.10	4.10
Truckee	9/12/66	Pacifica	CA	4	-122.486	37.614	-0.23	4.23
Truckee	9/12/66	Paradise	CA	4	-121.621	39.760	1.19	2.81
Truckee	9/12/66	Paskenta	CA	4	-122.545	39.885		4.00
Truckee	9/12/66	Pinecrest	CA	4	-119.990	38.189	1.29	2.71

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Truckee	9/12/66	Pinole	CA	4	-122.298	38.004	0.36	3.64
Truckee	9/12/66	Plymouth	CA	4	-120.844	38.482	-0.41	4.41
Truckee	9/12/66	Port Chicago	CA	4	-122.020	38.046		4.00
Truckee	9/12/66	Port Costa	CA	4	-122.182	38.046	-0.33	4.33
Truckee	9/12/66	Quincy	CA	4	-120.946	39.937	0.73	3.27
Truckee	9/12/66	Red Bluff	CA	4	-122.235	40.179	0.36	3.64
Truckee	9/12/66	Represa	CA	4	-121.170	38.680	-0.83	4.83
Truckee	9/12/66	Richvale	CA	4	-121.744	39.494	0.04	3.96
Truckee	9/12/66	Ripon	CA	4	-121.123	37.742	-0.16	4.16
Truckee	9/12/66	Robbins	CA	4	-121.705	38.870	0.35	3.65
Truckee	9/12/66	Rocklin	CA	4	-121.235	38.791	0.12	3.88
Truckee	9/12/66	Rumsey	CA	4	-122.236	38.888	0.08	3.92
Truckee	9/12/66	Saint Marys College	CA	4	-122.110	37.840		4.00
Truckee	9/12/66	San Bruno	CA	4	-122.410	37.631	-0.34	4.34
Truckee	9/12/66	San Francisco	CA	4	-122.418	37.775	1.18	2.82
Truckee	9/12/66	San Jose	CA	4	-121.894	37.339	0.15	3.85
Truckee	9/12/66	San Leandro	CA	4	-122.155	37.725	-0.15	4.15
Truckee	9/12/66	Schurz	NV	4	-118.810	38.950	3.12	0.88
Truckee	9/12/66	Shaver Lake	CA	4	-119.317	37.104	-2.35	6.35
Truckee	9/12/66	Sheep Ranch	CA	4	-120.463	38.209	1.72	2.28
Truckee	9/12/66	Sites	CA	4	-122.338	39.309		4.00
Truckee	9/12/66	Smartville	CA	4	-121.298	39.208	-1.00	5.00
Truckee	9/12/66	Snelling	CA	4	-120.436	37.519	-0.03	4.03
Truckee	9/12/66	South San Francisco	CA	4	-122.407	37.655	-0.44	4.44
Truckee	9/12/66	Steamboat	NV	4	-119.720	39.380	0.53	3.47
Truckee	9/12/66	Strawberry	CA	4	-119.998	38.202	1.06	2.94
Truckee	9/12/66	Susanville	CA	4	-120.652	40.416	4.52	-0.52
Truckee	9/12/66	Sutter Creek	CA	4	-120.801	38.393	0.07	3.93
Truckee	9/12/66	Termo	CA	4	-120.459	40.866		4.00
Truckee	9/12/66	Tracy	CA	4	-121.424	37.740	-0.42	4.42
Truckee	9/12/66	Twain	CA	4	-121.071	40.020	-0.16	4.16
Truckee	9/12/66	Unionville	NV	4	-118.130	40.450		4.00
Truckee	9/12/66	Vallejo	CA	4	-122.256	38.104	-0.12	4.12
Truckee	9/12/66	Valley Home	CA	4	-120.911	37.829	-0.32	4.32
Truckee	9/12/66	Volcano	CA	4	-120.630	38.443	0.76	3.24
Truckee	9/12/66	Walnut Creek	CA	4	-122.064	37.906	-0.03	4.03
Truckee	9/12/66	Wawona	CA	4	-119.655	37.537		4.00
Truckee	9/12/66	Wendel	CA	4	-120.233	40.348		4.00
Truckee	9/12/66	Westley	CA	4	-121.198	37.549	-1.02	5.02
Truckee	9/12/66	Williams	CA	4	-122.148	39.155	-0.39	4.39
Truckee	9/12/66	Bakersfield	CA	3	-119.018	35.373	0.08	2.92
Truckee	9/12/66	Benicia	CA	3	-122.158	38.049	-0.47	3.47
Truckee	9/12/66	Big Creek	CA	3	-119.245	37.205	0.64	2.36
Truckee	9/12/66	Bolinas	CA	3	-122.685	37.909	0.39	2.61
Truckee	9/12/66	Brentwood	CA	3	-121.695	37.932	-0.37	3.37
Truckee	9/12/66	Brisbane	CA	3	-122.399	37.681	0.07	2.93
Truckee	9/12/66	Chester	CA	3	-121.231	40.306	1.34	1.66
Truckee	9/12/66	Chinese Camp	CA	3	-120.432	37.871	-1.05	4.05
Truckee	9/12/66	Corning	CA	3	-122.178	39.928	-0.36	3.36

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Truckee	9/12/66	Cromberg	CA	3	-120.691	39.860		3.00
Truckee	9/12/66	Dos Palos	CA	3	-120.626	36.986	0.20	2.80
Truckee	9/12/66	Eagleville	CA	3	-120.115	41.316		3.00
Truckee	9/12/66	Escalon	CA	3	-120.996	37.798	-0.67	3.67
Truckee	9/12/66	Eureka	NV	3	-115.960	39.510	4.78	-1.78
Truckee	9/12/66	Fairfield	CA	3	-122.039	38.249	-0.14	3.14
Truckee	9/12/66	Felton	CA	3	-122.072	37.051	-0.53	3.53
Truckee	9/12/66	Firebaugh	CA	3	-120.455	36.859	-0.02	3.02
Truckee	9/12/66	Fresno	CA	3	-119.771	36.748	0.10	2.90
Truckee	9/12/66	Gustine	CA	3	-120.998	37.258	-0.32	3.32
Truckee	9/12/66	Hamilton Air Force Base	CA	3	-122.510	38.060		3.00
Truckee	9/12/66	Hanford	CA	3	-119.645	36.328	0.12	2.88
Truckee	9/12/66	Hat Creek	CA	3	-121.500	40.790	-0.64	3.64
Truckee	9/12/66	Hercules	CA	3	-122.288	38.017	-0.48	3.48
Truckee	9/12/66	June Lake	CA	3	-119.074	37.780	1.00	2.00
Truckee	9/12/66	La Honda	CA	3	-122.273	37.319	-0.68	3.68
Truckee	9/12/66	Livermore	CA	3	-121.767	37.682	0.05	2.95
Truckee	9/12/66	Livingston	CA	3	-120.723	37.387	0.48	2.52
Truckee	9/12/66	Los Banos	CA	3	-120.849	37.058	0.05	2.95
Truckee	9/12/66	Mendota	CA	3	-120.381	36.754	-0.96	3.96
Truckee	9/12/66	Moraga	CA	3	-122.129	37.835	-0.25	3.25
Truckee	9/12/66	Mount Hamilton	CA	3	-121.640	37.340	-0.54	3.54
Truckee	9/12/66	Oakland	CA	3	-122.270	37.804	-0.14	3.14
Truckee	9/12/66	Ravendale	CA	3	-120.364	40.799		3.00
Truckee	9/12/66	San Gregorio	CA	3	-122.386	37.327	-0.05	3.05
Truckee	9/12/66	San Pablo	CA	3	-122.344	37.962	0.47	2.53
Truckee	9/12/66	San Ramon	CA	3	-121.977	37.780	-0.20	3.20
Truckee	9/12/66	Santa Rosa	CA	3	-122.713	38.441	0.41	2.59
Truckee	9/12/66	Standish	CA	3	-120.421	40.365		3.00
Truckee	9/12/66	Turlock	CA	3	-120.846	37.495	0.35	2.65
Truckee	9/12/66	Vernalis	CA	3	-121.286	37.631	0.06	2.94
Truckee	9/12/66	Vina	CA	3	-122.053	39.933	-2.28	5.28
Truckee	9/12/66	Vineburg	CA	3	-122.438	38.273	-0.66	3.66
Truckee	9/12/66	Volta	CA	3	-120.925	37.098		3.00
Truckee	9/12/66	Wellington	NV	3	-119.380	38.760		3.00
Truckee	9/12/66	Winnemucca	NV	3	-117.735	40.973		3.00
Truckee	9/12/66	Wishon	CA	3	-119.540	37.300	-0.22	3.22
Truckee	9/12/66	Zephyr Cove	NV	3	-119.955	39.002	1.39	1.61
Santa Rosa	10/2/69	Kawana Springs	CA	8	-122.680	38.400		8.00
Santa Rosa	10/2/69	Santa Rosa	CA	8	-122.713	38.441	0.41	7.59
Santa Rosa	10/2/69	Fulton (1 Mi Sw)	CA	6	-122.770	38.490		6.00
Santa Rosa	10/2/69	Fulton (1.5 Mi N)	CA	6	-122.770	38.500		6.00
Santa Rosa	10/2/69	Larkfield	CA	6	-122.700	38.500		6.00
Santa Rosa	10/2/69	Petaluma	CA	6	-122.636	38.233	0.40	5.60
Santa Rosa	10/2/69	Rohnert Park	CA	6	-122.700	38.340	0.04	5.96
Santa Rosa	10/2/69	Sebastopol	CA	6	-122.823	38.402	0.03	5.97
Santa Rosa	10/2/69	Sonoma (4 Mi N)	CA	6	-122.470	38.340		6.00
Santa Rosa	10/2/69	Windsor	CA	6	-122.815	38.547	0.12	5.88
Santa Rosa	10/2/69	Aetna Springs	CA	5	-122.482	38.654		5.00
Santa Rosa	10/2/69	Angwin	CA	5	-122.449	38.576	-0.54	5.54

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Santa Rosa	10/2/69	Annapolis	CA	5	-123.369	38.722		5.00
Santa Rosa	10/2/69	Benicia	CA	5	-122.158	38.049	-0.47	5.47
Santa Rosa	10/2/69	Berkeley	CA	5	-122.272	37.872	-0.02	5.02
Santa Rosa	10/2/69	Birds Landing	CA	5	-121.870	38.133	-0.70	5.70
Santa Rosa	10/2/69	Bodega	CA	5	-122.973	38.345	-0.27	5.27
Santa Rosa	10/2/69	Bodega Bay	CA	5	-123.047	38.333	-0.04	5.04
Santa Rosa	10/2/69	Bolinas	CA	5	-122.685	37.909	0.39	4.61
Santa Rosa	10/2/69	Brisbane	CA	5	-122.399	37.681	0.07	4.93
Santa Rosa	10/2/69	Calistoga	CA	5	-122.579	38.579	-0.10	5.10
Santa Rosa	10/2/69	Camp Meeker	CA	5	-122.958	38.425	0.52	4.48
Santa Rosa	10/2/69	Cloverdale (8 Mi E)	CA	5	-122.870	38.810		5.00
Santa Rosa	10/2/69	Concord	CA	5	-122.030	37.978	-0.72	5.72
Santa Rosa	10/2/69	Corte Madera	CA	5	-122.526	37.926	-0.58	5.58
Santa Rosa	10/2/69	Crockett	CA	5	-122.212	38.053	-0.62	5.62
Santa Rosa	10/2/69	Daly City	CA	5	-122.461	37.706	0.17	4.83
Santa Rosa	10/2/69	Danville	CA	5	-121.999	37.822	-0.24	5.24
Santa Rosa	10/2/69	Dillon Beach	CA	5	-122.964	38.251	0.22	4.78
Santa Rosa	10/2/69	Dixon	CA	5	-121.822	38.446	-0.15	5.15
Santa Rosa	10/2/69	Duncans Mills	CA	5	-123.054	38.454	0.67	4.33
Santa Rosa	10/2/69	El Verano	CA	5	-122.491	38.298	0.36	4.64
Santa Rosa	10/2/69	Eldridge	CA	5	-122.510	38.340	-0.88	5.88
Santa Rosa	10/2/69	Elmira	CA	5	-121.909	38.348	-0.42	5.42
Santa Rosa	10/2/69	Fairfax	CA	5	-122.588	37.987	-0.48	5.48
Santa Rosa	10/2/69	Fallon	CA	5	-122.905	38.275	3.69	1.31
Santa Rosa	10/2/69	Forest Knolls	CA	5	-122.688	38.015	0.27	4.73
Santa Rosa	10/2/69	Forestville	CA	5	-122.889	38.474	0.05	4.95
Santa Rosa	10/2/69	Geyserville	CA	5	-122.901	38.708		5.00
Santa Rosa	10/2/69	Glen Ellen	CA	5	-122.523	38.364	0.38	4.62
Santa Rosa	10/2/69	Graton	CA	5	-122.869	38.436	0.08	4.92
Santa Rosa	10/2/69	Guerneville	CA	5	-122.995	38.502	1.02	3.98
Santa Rosa	10/2/69	Guernwood Park	CA	5	-123.011	38.497		5.00
Santa Rosa	10/2/69	Hamilton Air Force Base	CA	5	-122.510	38.060		5.00
Santa Rosa	10/2/69	Healdsburg	CA	5	-122.868	38.611	0.67	4.33
Santa Rosa	10/2/69	Hercules	CA	5	-122.288	38.017	-0.48	5.48
Santa Rosa	10/2/69	Inverness	CA	5	-122.856	38.101	0.11	4.89
Santa Rosa	10/2/69	Jenner	CA	5	-123.114	38.450	0.72	4.28
Santa Rosa	10/2/69	Kellogg	CA	5	-122.673	38.632		5.00
Santa Rosa	10/2/69	Kentfield	CA	5	-122.556	37.952	-0.72	5.72
Santa Rosa	10/2/69	Lafayette	CA	5	-122.117	37.886	-0.19	5.19
Santa Rosa	10/2/69	Larkspur	CA	5	-122.512	37.938	-0.83	5.83
Santa Rosa	10/2/69	Madison	CA	5	-121.967	38.679	-0.16	5.16
Santa Rosa	10/2/69	Marshall	CA	5	-122.893	38.161	-0.50	5.50
Santa Rosa	10/2/69	Menlo Park	CA	5	-122.181	37.454	-0.22	5.22
Santa Rosa	10/2/69	Middletown	CA	5	-122.614	38.753	0.93	4.07
Santa Rosa	10/2/69	Mill Valley	CA	5	-122.544	37.906	-0.13	5.13
Santa Rosa	10/2/69	Milpitas	CA	5	-121.906	37.428	-0.47	5.47
Santa Rosa	10/2/69	Monte Rio	CA	5	-123.008	38.466	-0.37	5.37
Santa Rosa	10/2/69	Napa	CA	5	-122.284	38.297	0.32	4.68
Santa Rosa	10/2/69	Napa (6 Mi N)	CA	5	-122.320	38.410		5.00
Santa Rosa	10/2/69	Nicasio	CA	5	-122.698	38.062	-0.43	5.43

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Santa Rosa	10/2/69	Novato	CA	5	-122.569	38.108	0.73	4.27
Santa Rosa	10/2/69	Oakland	CA	5	-122.270	37.804	-0.14	5.14
Santa Rosa	10/2/69	Oakville	CA	5	-122.401	38.437	-0.94	5.94
Santa Rosa	10/2/69	Occidental	CA	5	-122.947	38.408		5.00
Santa Rosa	10/2/69	Olema	CA	5	-122.787	38.041	0.14	4.86
Santa Rosa	10/2/69	Orinda	CA	5	-122.179	37.877	-0.32	5.32
Santa Rosa	10/2/69	Penngrove	CA	5	-122.666	38.300	0.45	4.55
Santa Rosa	10/2/69	Pescadero	CA	5	-122.380	37.255	-0.17	5.17
Santa Rosa	10/2/69	Pinole	CA	5	-122.298	38.004	0.36	4.64
Santa Rosa	10/2/69	Pittsburg	CA	5	-121.884	38.028	0.17	4.83
Santa Rosa	10/2/69	Pleasanton	CA	5	-121.874	37.663	-0.42	5.42
Santa Rosa	10/2/69	Point Reyes Station	CA	5	-122.806	38.069	0.71	4.29
Santa Rosa	10/2/69	Richmond	CA	5	-122.347	37.936	-0.04	5.04
Santa Rosa	10/2/69	Rio Vista	CA	5	-121.690	38.156	-0.53	5.53
Santa Rosa	10/2/69	Rodeo	CA	5	-122.266	38.033	-0.03	5.03
Santa Rosa	10/2/69	Rutherford	CA	5	-122.421	38.459	1.19	3.81
Santa Rosa	10/2/69	Saint Helena	CA	5	-122.469	38.505	-0.20	5.20
Santa Rosa	10/2/69	Saint Helena (4 Mi W)	CA	5	-122.540	38.500		5.00
Santa Rosa	10/2/69	Saint Marys College	CA	5	-122.110	37.840		5.00
Santa Rosa	10/2/69	San Anselmo	CA	5	-122.561	37.975	-0.71	5.71
Santa Rosa	10/2/69	San Francisco	CA	5	-122.418	37.775	1.18	3.82
Santa Rosa	10/2/69	San Gregorio	CA	5	-122.386	37.327	-0.05	5.05
Santa Rosa	10/2/69	San Pablo	CA	5	-122.344	37.962	0.47	4.53
Santa Rosa	10/2/69	San Quentin	CA	5	-122.484	37.941	-0.83	5.83
Santa Rosa	10/2/69	San Rafael	CA	5	-122.530	37.974	-0.14	5.14
Santa Rosa	10/2/69	San Ramon	CA	5	-121.977	37.780	-0.20	5.20
Santa Rosa	10/2/69	Sausalito	CA	5	-122.484	37.859	-0.60	5.60
Santa Rosa	10/2/69	Sonoma	CA	5	-122.457	38.292	-0.32	5.32
Santa Rosa	10/2/69	Spanish Flat	CA	5	-122.220	38.540		5.00
Santa Rosa	10/2/69	Steele Park	CA	5	-122.200	38.510	-0.99	5.99
Santa Rosa	10/2/69	Stinson Beach	CA	5	-122.643	37.901	-0.31	5.31
Santa Rosa	10/2/69	Suisun City	CA	5	-122.039	38.238	0.33	4.67
Santa Rosa	10/2/69	The Geysers	CA	5	-122.800	38.800		5.00
Santa Rosa	10/2/69	Tiburon	CA	5	-122.456	37.874	0.00	5.00
Santa Rosa	10/2/69	Travis Air Force Base	CA	5	-121.930	38.250	-0.84	5.84
Santa Rosa	10/2/69	Vacaville	CA	5	-121.987	38.357	-0.15	5.15
Santa Rosa	10/2/69	Valley Ford	CA	5	-122.923	38.318	0.28	4.72
Santa Rosa	10/2/69	Villa Grande	CA	5	-123.024	38.473	0.76	4.24
Santa Rosa	10/2/69	Vineburg	CA	5	-122.438	38.273	-0.66	5.66
Santa Rosa	10/2/69	Walnut Creek	CA	5	-122.064	37.906	-0.03	5.03
Santa Rosa	10/2/69	Woodacre	CA	5	-122.644	38.013	0.24	4.76
Santa Rosa	10/2/69	Yolo	CA	5	-121.807	38.732	-0.15	5.15
Santa Rosa	10/2/69	Yountville	CA	5	-122.360	38.402	-0.32	5.32
Santa Rosa	10/2/69	Alamo	CA	4	-122.031	37.850	-0.29	4.29
Santa Rosa	10/2/69	Alviso	CA	4	-121.974	37.426	-1.27	5.27
Santa Rosa	10/2/69	Antioch	CA	4	-121.805	38.005	-0.36	4.36
Santa Rosa	10/2/69	Boyes Hot Springs	CA	4	-122.481	38.314	-0.25	4.25
Santa Rosa	10/2/69	Brentwood	CA	4	-121.695	37.932	-0.37	4.37

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Santa Rosa	10/2/69	Brooks	CA	4	-122.147	38.742	0.48	3.52
Santa Rosa	10/2/69	Burlingame	CA	4	-122.365	37.584	-0.04	4.04
Santa Rosa	10/2/69	Cazadero	CA	4	-123.084	38.533	0.85	3.15
Santa Rosa	10/2/69	Clearlake Highlands	CA	4	-122.671	39.026	-0.44	4.44
Santa Rosa	10/2/69	Cloverdale	CA	4	-123.016	38.806	0.33	3.67
Santa Rosa	10/2/69	Cobb	CA	4	-122.722	38.822	0.15	3.85
Santa Rosa	10/2/69	Cupertino	CA	4	-122.031	37.323	-0.93	4.93
Santa Rosa	10/2/69	Davis	CA	4	-121.739	38.545	-0.63	4.63
Santa Rosa	10/2/69	El Granada	CA	4	-122.468	37.503	-0.48	4.48
Santa Rosa	10/2/69	Esparto	CA	4	-122.016	38.692	-0.09	4.09
Santa Rosa	10/2/69	Fairfield	CA	4	-122.039	38.249	-0.14	4.14
Santa Rosa	10/2/69	Fort Ross	CA	4	-123.243	38.514		4.00
Santa Rosa	10/2/69	Foster City	CA	4	-122.270	37.559	-0.31	4.31
Santa Rosa	10/2/69	Guinda	CA	4	-122.193	38.829	0.13	3.87
Santa Rosa	10/2/69	La Honda	CA	4	-122.273	37.319	-0.68	4.68
Santa Rosa	10/2/69	Livermore	CA	4	-121.767	37.682	0.05	3.95
Santa Rosa	10/2/69	Loma Mar	CA	4	-122.308	37.271	-0.51	4.51
Santa Rosa	10/2/69	Los Gatos	CA	4	-121.974	37.227	-0.28	4.28
Santa Rosa	10/2/69	Millbrae	CA	4	-122.386	37.599	-0.10	4.10
Santa Rosa	10/2/69	Montara	CA	4	-122.515	37.542	-0.40	4.40
Santa Rosa	10/2/69	Moraga	CA	4	-122.129	37.835	-0.25	4.25
Santa Rosa	10/2/69	Mount Eden	CA	4	-122.099	37.636	-1.04	5.04
Santa Rosa	10/2/69	Mountain View	CA	4	-122.083	37.386	-0.60	4.60
Santa Rosa	10/2/69	Newark	CA	4	-122.039	37.530	-0.63	4.63
Santa Rosa	10/2/69	Palo Alto	CA	4	-122.142	37.442	-0.72	4.72
Santa Rosa	10/2/69	Pope Valley	CA	4	-122.427	38.615	0.53	3.47
Santa Rosa	10/2/69	Port Costa	CA	4	-122.182	38.046	-0.33	4.33
Santa Rosa	10/2/69	Redwood City	CA	4	-122.235	37.485	-0.29	4.29
Santa Rosa	10/2/69	Rheem Valley	CA	4	-122.123	37.860	-0.52	4.52
Santa Rosa	10/2/69	San Bruno	CA	4	-122.410	37.631	-0.34	4.34
Santa Rosa	10/2/69	San Carlos	CA	4	-122.259	37.507	-0.76	4.76
Santa Rosa	10/2/69	San Geronimo	CA	4	-122.663	38.013	-1.02	5.02
Santa Rosa	10/2/69	San Mateo	CA	4	-122.324	37.563	-0.52	4.52
Santa Rosa	10/2/69	Santa Clara	CA	4	-121.954	37.354	-0.28	4.28
Santa Rosa	10/2/69	South San Francisco	CA	4	-122.407	37.655	-0.44	4.44
Santa Rosa	10/2/69	Stewarts Point	CA	4	-123.398	38.652		4.00
Santa Rosa	10/2/69	Tomaes	CA	4	-122.904	38.246	-0.84	4.84
Santa Rosa	10/2/69	Vallejo	CA	4	-122.256	38.104	-0.12	4.12
Santa Rosa	10/2/69	Winters	CA	4	-121.970	38.525	-0.70	4.70
Santa Rosa	10/2/69	Asti	CA	3	-122.972	38.763		3.00
Santa Rosa	10/2/69	Banta	CA	3	-121.370	37.754	1.46	1.54
Santa Rosa	10/2/69	Castro Valley	CA	3	-122.085	37.694	-0.43	3.43
Santa Rosa	10/2/69	Davenport	CA	3	-122.191	37.012	-0.71	3.71
Santa Rosa	10/2/69	Knights Landing	CA	3	-121.717	38.800	0.52	2.48
Santa Rosa	10/2/69	Knightsen	CA	3	-121.667	37.969	-0.41	3.41
Santa Rosa	10/2/69	Lake Berryessa	CA	3	-122.100	38.510		3.00
Santa Rosa	10/2/69	Liberty Farms	CA	3	-121.710	38.400	-1.29	4.29
Santa Rosa	10/2/69	Lower Lake	CA	3	-122.609	38.911	0.27	2.73
Santa Rosa	10/2/69	New Almaden	CA	3	-121.820	37.176	-1.39	4.39

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Santa Rosa	10/2/69	Piedmont	CA	3	-122.231	37.824	-0.32	3.32
Santa Rosa	10/2/69	Point Arena	CA	3	-123.692	38.909	1.23	1.77
Santa Rosa	10/2/69	Rumsey	CA	3	-122.236	38.888	0.08	2.92
Santa Rosa	10/2/69	Sacramento	CA	3	-121.493	38.582	0.86	2.14
Santa Rosa	10/2/69	San Jose	CA	3	-121.894	37.339	0.15	2.85
Santa Rosa	10/2/69	San Leandro	CA	3	-122.155	37.725	-0.15	3.15
Santa Rosa	10/2/69	Sunol	CA	3	-121.890	37.600	-0.98	3.98
Santa Rosa	10/2/69	Tracy	CA	3	-121.424	37.740	-0.42	3.42
Santa Rosa	10/2/69	Walnut Grove	CA	3	-121.511	38.242	-0.05	3.05
Santa Rosa	10/2/69	West Sacramento	CA	3	-121.529	38.581	0.11	2.89
Santa Rosa	10/2/69	Zenia	CA	3	-123.491	40.206		3.00
Kettleman Hills	8/4/85	Avenal	CA	6	-120.128	36.004	0.21	5.79
Kettleman Hills	8/4/85	Kettleman City	CA	6	-119.961	36.008	0.40	5.60
Kettleman Hills	8/4/85	Alpaugh	CA	5	-119.486	35.888	0.17	4.83
Kettleman Hills	8/4/85	Armona	CA	5	-119.708	36.316	-0.24	5.24
Kettleman Hills	8/4/85	Bakersfield	CA	5	-119.018	35.373	0.08	4.92
Kettleman Hills	8/4/85	Bradley	CA	5	-120.800	35.863	-0.98	5.98
Kettleman Hills	8/4/85	Burrel	CA	5	-119.984	36.488	0.08	4.92
Kettleman Hills	8/4/85	California Valley	CA	5	-120.006	35.320	-0.16	5.16
Kettleman Hills	8/4/85	Clovis	CA	5	-119.702	36.825	0.54	4.46
Kettleman Hills	8/4/85	Coalinga	CA	5	-120.359	36.140	0.29	4.71
Kettleman Hills	8/4/85	Creston	CA	5	-120.523	35.519	-0.29	5.29
Kettleman Hills	8/4/85	Fellows	CA	5	-119.540	35.179	0.35	4.65
Kettleman Hills	8/4/85	Firebaugh	CA	5	-120.455	36.859	-0.02	5.02
Kettleman Hills	8/4/85	Fresno	CA	5	-119.771	36.748	0.10	4.90
Kettleman Hills	8/4/85	Friant	CA	5	-119.711	36.988	0.49	4.51
Kettleman Hills	8/4/85	Goshen	CA	5	-119.419	36.351	0.45	4.55
Kettleman Hills	8/4/85	Huron	CA	5	-120.102	36.203	-0.05	5.05
Kettleman Hills	8/4/85	Laton	CA	5	-119.686	36.433	0.03	4.97
Kettleman Hills	8/4/85	Lemoore	CA	5	-119.782	36.301	0.50	4.50
Kettleman Hills	8/4/85	Lemoore Naval Air Station	CA	5	-119.930	36.300	-0.11	5.11
Kettleman Hills	8/4/85	Los Alamos	CA	5	-120.277	34.744	1.00	4.00
Kettleman Hills	8/4/85	Los Osos	CA	5	-120.831	35.311	-0.11	5.11
Kettleman Hills	8/4/85	Lost Hills	CA	5	-119.693	35.616	-0.23	5.23
Kettleman Hills	8/4/85	Mckittrick	CA	5	-119.622	35.306	-0.36	5.36
Kettleman Hills	8/4/85	Orange Cove	CA	5	-119.313	36.624	-1.23	6.23
Kettleman Hills	8/4/85	Porterville	CA	5	-119.016	36.065	0.59	4.41
Kettleman Hills	8/4/85	Reedley	CA	5	-119.449	36.596	0.67	4.33
Kettleman Hills	8/4/85	Santa Margarita	CA	5	-120.608	35.390	-0.41	5.41
Kettleman Hills	8/4/85	Strathmore	CA	5	-119.060	36.146	0.25	4.75
Kettleman Hills	8/4/85	Templeton	CA	5	-120.705	35.550	0.10	4.90
Kettleman Hills	8/4/85	Tupman	CA	5	-119.350	35.298	-0.72	5.72
Kettleman Hills	8/4/85	Wasco	CA	5	-119.340	35.594	-0.09	5.09
Kettleman Hills	8/4/85	Waukena	CA	5	-119.509	36.139	0.38	4.62
Kettleman Hills	8/4/85	Woody	CA	5	-118.833	35.704	-0.23	5.23
Kettleman Hills	8/4/85	Ahwahnee	CA	4	-119.725	37.366	-0.25	4.25
Kettleman Hills	8/4/85	Arroyo Grande	CA	4	-120.590	35.119	0.39	3.61
Kettleman Hills	8/4/85	Atascadero	CA	4	-120.670	35.489	0.38	3.62
Kettleman Hills	8/4/85	Auberry	CA	4	-119.484	37.081	0.73	3.27
Kettleman Hills	8/4/85	Avila Beach	CA	4	-120.731	35.180	0.84	3.16

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Kettleman Hills	8/4/85	Bass Lake	CA	4	-119.565	37.325	-0.17	4.17
Kettleman Hills	8/4/85	Big Creek	CA	4	-119.245	37.205	0.64	3.36
Kettleman Hills	8/4/85	Biola	CA	4	-120.015	36.802	-0.08	4.08
Kettleman Hills	8/4/85	Buttonwillow	CA	4	-119.469	35.401	0.57	3.43
Kettleman Hills	8/4/85	Caliente	CA	4	-118.627	35.291	0.15	3.85
Kettleman Hills	8/4/85	California Hot Springs	CA	4	-118.673	35.880	0.03	3.97
Kettleman Hills	8/4/85	Cambria	CA	4	-121.080	35.564	0.22	3.78
Kettleman Hills	8/4/85	Cantua Creek	CA	4	-120.315	36.501	-0.40	4.40
Kettleman Hills	8/4/85	Caruthers	CA	4	-119.832	36.543	-0.03	4.03
Kettleman Hills	8/4/85	Cayucos	CA	4	-120.891	35.443	-0.73	4.73
Kettleman Hills	8/4/85	Cholame	CA	4	-120.296	35.724	-0.18	4.18
Kettleman Hills	8/4/85	Chowchilla	CA	4	-120.259	37.123	-0.33	4.33
Kettleman Hills	8/4/85	Corcoran	CA	4	-119.559	36.098	0.16	3.84
Kettleman Hills	8/4/85	Del Rey	CA	4	-119.593	36.659	0.11	3.89
Kettleman Hills	8/4/85	Delano	CA	4	-119.246	35.769	-0.01	4.01
Kettleman Hills	8/4/85	Dinuba	CA	4	-119.386	36.543	0.01	3.99
Kettleman Hills	8/4/85	Dunlap	CA	4	-119.120	36.738	-0.78	4.78
Kettleman Hills	8/4/85	Easton	CA	4	-119.790	36.650	-1.21	5.21
Kettleman Hills	8/4/85	Edison	CA	4	-118.871	35.348	0.02	3.98
Kettleman Hills	8/4/85	El Portal	CA	4	-119.783	37.675	0.38	3.62
Kettleman Hills	8/4/85	Exeter	CA	4	-119.141	36.296	0.14	3.86
Kettleman Hills	8/4/85	Farmersville	CA	4	-119.206	36.298	0.17	3.83
Kettleman Hills	8/4/85	Frazier Park	CA	4	-118.944	34.823	-0.18	4.18
Kettleman Hills	8/4/85	Fresno	CA	4	-119.771	36.748	0.10	3.90
Kettleman Hills	8/4/85	Glennville	CA	4	-118.703	35.729	-0.61	4.61
Kettleman Hills	8/4/85	Goleta	CA	4	-119.827	34.436	0.77	3.23
Kettleman Hills	8/4/85	Gonzales	CA	4	-121.443	36.507	-1.02	5.02
Kettleman Hills	8/4/85	Greenacres	CA	4	-119.109	35.383		4.00
Kettleman Hills	8/4/85	Grover City	CA	4	-120.620	35.120	0.34	3.66
Kettleman Hills	8/4/85	Guadalupe	CA	4	-120.571	34.972	0.39	3.61
Kettleman Hills	8/4/85	Halcyon	CA	4	-120.595	35.103	-0.55	4.55
Kettleman Hills	8/4/85	Hanford	CA	4	-119.645	36.328	0.12	3.88
Kettleman Hills	8/4/85	Helm	CA	4	-120.097	36.532	-0.49	4.49
Kettleman Hills	8/4/85	Kaweah	CA	4	-118.918	36.470	-0.84	4.84
Kettleman Hills	8/4/85	Kerman	CA	4	-120.059	36.724	-1.16	5.16
Kettleman Hills	8/4/85	Kernville	CA	4	-118.424	35.755	0.37	3.63
Kettleman Hills	8/4/85	Lake Hughes	CA	4	-118.444	34.677	-0.75	4.75
Kettleman Hills	8/4/85	Lake Isabella	CA	4	-118.472	35.618	1.18	2.82
Kettleman Hills	8/4/85	Lemoncove	CA	4	-119.024	36.383	-1.35	5.35
Kettleman Hills	8/4/85	Lindsay	CA	4	-119.087	36.203	0.47	3.53
Kettleman Hills	8/4/85	Lockwood	CA	4	-121.081	35.937	-0.99	4.99
Kettleman Hills	8/4/85	Lone Pine	CA	4	-118.062	36.606	1.72	2.28
Kettleman Hills	8/4/85	Los Olivos	CA	4	-120.114	34.668	0.30	3.70
Kettleman Hills	8/4/85	Madera	CA	4	-120.060	36.961	-0.03	4.03
Kettleman Hills	8/4/85	Mammoth Lakes	CA	4	-118.971	37.649	-0.06	4.06
Kettleman Hills	8/4/85	Maricopa	CA	4	-119.400	35.059	0.15	3.85
Kettleman Hills	8/4/85	Mcfarland	CA	4	-119.228	35.678	-0.02	4.02
Kettleman Hills	8/4/85	Mendota	CA	4	-120.381	36.754	-0.96	4.96
Kettleman Hills	8/4/85	Miramonte	CA	4	-119.051	36.693		4.00
Kettleman Hills	8/4/85	Morro Bay	CA	4	-120.849	35.366	-0.20	4.20
Kettleman Hills	8/4/85	Nipomo	CA	4	-120.475	35.043	-0.31	4.31

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Kettleman Hills	8/4/85	O'Neals	CA	4	-119.693	37.128	-0.10	4.10
Kettleman Hills	8/4/85	Oakhurst	CA	4	-119.648	37.328	-1.07	5.07
Kettleman Hills	8/4/85	Oceano	CA	4	-120.611	35.099	0.44	3.56
Kettleman Hills	8/4/85	Olancho	CA	4	-118.006	36.282	1.89	2.11
Kettleman Hills	8/4/85	Onyx	CA	4	-118.220	35.690	0.82	3.18
Kettleman Hills	8/4/85	Orosi	CA	4	-119.286	36.545	0.25	3.75
Kettleman Hills	8/4/85	Parlier	CA	4	-119.526	36.612	1.28	2.72
Kettleman Hills	8/4/85	Paso Robles	CA	4	-120.690	35.627	-0.16	4.16
Kettleman Hills	8/4/85	Pismo Beach	CA	4	-120.640	35.143	0.01	3.99
Kettleman Hills	8/4/85	Poplar	CA	4	-119.142	36.053	-0.08	4.08
Kettleman Hills	8/4/85	Posey	CA	4	-118.682	35.805	-0.35	4.35
Kettleman Hills	8/4/85	Prather	CA	4	-119.513	37.038	-0.48	4.48
Kettleman Hills	8/4/85	Raisin	CA	4	-119.910	36.610	0.59	3.41
Kettleman Hills	8/4/85	Richgrove	CA	4	-119.107	35.797	-1.21	5.21
Kettleman Hills	8/4/85	Ridgecrest	CA	4	-117.670	35.623	1.80	2.20
Kettleman Hills	8/4/85	Riverdale	CA	4	-119.859	36.431	-0.29	4.29
Kettleman Hills	8/4/85	San Ardo	CA	4	-120.904	36.021	0.00	4.00
Kettleman Hills	8/4/85	San Joaquin	CA	4	-120.188	36.607	-0.43	4.43
Kettleman Hills	8/4/85	San Luis Obispo	CA	4	-120.659	35.283	0.17	3.83
Kettleman Hills	8/4/85	San Miguel	CA	4	-120.695	35.753	-0.09	4.09
Kettleman Hills	8/4/85	Santa Barbara	CA	4	-119.697	34.421	0.92	3.08
Kettleman Hills	8/4/85	Santa Maria	CA	4	-120.435	34.953	-0.15	4.15
Kettleman Hills	8/4/85	Selma	CA	4	-119.611	36.571	0.10	3.90
Kettleman Hills	8/4/85	Sequoia National Park	CA	4	-118.773	36.564	1.74	2.26
Kettleman Hills	8/4/85	Soledad	CA	4	-121.325	36.425	-0.16	4.16
Kettleman Hills	8/4/85	Solvang	CA	4	-120.137	34.596	-0.25	4.25
Kettleman Hills	8/4/85	South Dos Palos	CA	4	-120.652	36.964	-0.14	4.14
Kettleman Hills	8/4/85	Squaw Valley	CA	4	-119.246	36.741	-1.20	5.20
Kettleman Hills	8/4/85	Stratford	CA	4	-119.822	36.189	0.47	3.53
Kettleman Hills	8/4/85	Summerland	CA	4	-119.596	34.421	-0.43	4.43
Kettleman Hills	8/4/85	Taft	CA	4	-119.456	35.143	-0.46	4.46
Kettleman Hills	8/4/85	Tehachapi	CA	4	-118.448	35.132	-0.63	4.63
Kettleman Hills	8/4/85	Terra Bella	CA	4	-119.043	35.963	-0.18	4.18
Kettleman Hills	8/4/85	Three Rivers	CA	4	-118.904	36.439	0.19	3.81
Kettleman Hills	8/4/85	Tipton	CA	4	-119.311	36.059	0.03	3.97
Kettleman Hills	8/4/85	Tranquillity	CA	4	-120.252	36.649	-0.48	4.48
Kettleman Hills	8/4/85	Traver	CA	4	-119.484	36.455	0.34	3.66
Kettleman Hills	8/4/85	Trona	CA	4	-117.372	35.763	1.15	2.85
Kettleman Hills	8/4/85	Tulare	CA	4	-119.346	36.208	-0.02	4.02
Kettleman Hills	8/4/85	Vandenberg Air Force Base	CA	4	-120.580	34.730	0.62	3.38
Kettleman Hills	8/4/85	Visalia	CA	4	-119.291	36.330	0.27	3.73
Kettleman Hills	8/4/85	Winton	CA	4	-120.612	37.389	-0.47	4.47
Kettleman Hills	8/4/85	Woodville	CA	4	-119.198	36.094	-0.66	4.66
Kettleman Hills	8/4/85	Yetttem	CA	4	-119.259	36.486	0.56	3.44
Kettleman Hills	8/4/85	Aromas	CA	3	-121.642	36.889	-0.42	3.42
Kettleman Hills	8/4/85	Avery	CA	3	-120.369	38.204	-0.46	3.46
Kettleman Hills	8/4/85	Badger	CA	3	-119.012	36.631	-0.69	3.69
Kettleman Hills	8/4/85	Bishop	CA	3	-118.394	37.364	2.64	0.36
Kettleman Hills	8/4/85	Bodfish	CA	3	-118.491	35.588	-0.29	3.29
Kettleman Hills	8/4/85	Buellton	CA	3	-120.192	34.614	0.19	2.81

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Kettleman Hills	8/4/85	Catheys Valley	CA	3	-120.097	37.433	-0.77	3.77
Kettleman Hills	8/4/85	Chualar	CA	3	-121.518	36.571	-0.28	3.28
Kettleman Hills	8/4/85	Delhi	CA	3	-120.778	37.432	-0.05	3.05
Kettleman Hills	8/4/85	Di Georgio	CA	3	-118.851	35.253		3.00
Kettleman Hills	8/4/85	Dos Palos	CA	3	-120.626	36.986	0.20	2.80
Kettleman Hills	8/4/85	Ducor	CA	3	-119.046	35.892	-0.19	3.19
Kettleman Hills	8/4/85	Harmony	CA	3	-121.022	35.509	-0.67	3.67
Kettleman Hills	8/4/85	Ivanhoe	CA	3	-119.217	36.387	-0.34	3.34
Kettleman Hills	8/4/85	Keyes	CA	3	-120.914	37.557	-0.24	3.24
Kettleman Hills	8/4/85	King City	CA	3	-121.125	36.213	-0.43	3.43
Kettleman Hills	8/4/85	Kingsburg	CA	3	-119.553	36.514	-0.11	3.11
Kettleman Hills	8/4/85	La Grange	CA	3	-120.463	37.664	0.14	2.86
Kettleman Hills	8/4/85	Lamont	CA	3	-118.913	35.260	-0.32	3.32
Kettleman Hills	8/4/85	Lebec	CA	3	-118.864	34.842	-1.29	4.29
Kettleman Hills	8/4/85	Merced	CA	3	-120.482	37.302	0.37	2.63
Kettleman Hills	8/4/85	Mount Hermon	CA	3	-122.058	37.051	-0.38	3.38
Kettleman Hills	8/4/85	North Fork	CA	3	-119.509	37.230	-1.00	4.00
Kettleman Hills	8/4/85	Oakdale	CA	3	-120.846	37.767	-0.12	3.12
Kettleman Hills	8/4/85	Piedra	CA	3	-119.381	36.810	0.15	2.85
Kettleman Hills	8/4/85	Raymond	CA	3	-119.904	37.217	-1.18	4.18
Kettleman Hills	8/4/85	Ripon	CA	3	-121.123	37.742	-0.16	3.16
Kettleman Hills	8/4/85	Riverbank	CA	3	-120.934	37.736	-0.08	3.08
Kettleman Hills	8/4/85	San Francisco	CA	3	-122.418	37.775	1.18	1.82
Kettleman Hills	8/4/85	Santa Rita Park	CA	3	-120.594	37.048	-0.31	3.31
Kettleman Hills	8/4/85	Snelling	CA	3	-120.436	37.519	-0.03	3.03
Kettleman Hills	8/4/85	Stevinson	CA	3	-120.851	37.328	-0.40	3.40
Kettleman Hills	8/4/85	Tuolumne	CA	3	-120.236	37.961	0.14	2.86
Kettleman Hills	8/4/85	Valley Home	CA	3	-120.911	37.829	-0.32	3.32
Kettleman Hills	8/4/85	Ventura	CA	3	-119.292	34.278	0.50	2.50
Chalfant	7/21/86	Bishop	CA	6	-118.394	37.364	2.64	3.36
Chalfant	7/21/86	Chalfant	CA	6	-118.370	37.530		6.00
Chalfant	7/21/86	Bass Lake	CA	5	-119.565	37.325	-0.17	5.17
Chalfant	7/21/86	Benton	CA	5	-118.476	37.819		5.00
Chalfant	7/21/86	Big Pine	CA	5	-118.289	37.165	1.23	3.77
Chalfant	7/21/86	Carson City	NV	5	-119.766	39.164	1.92	3.08
Chalfant	7/21/86	Coalinga	CA	5	-120.359	36.140	0.29	4.71
Chalfant	7/21/86	Corcoran	CA	5	-119.559	36.098	0.16	4.84
Chalfant	7/21/86	Crowley Lake	CA	5	-118.730	37.640		5.00
Chalfant	7/21/86	Death Valley	CA	5	-116.870	36.500	2.30	2.70
Chalfant	7/21/86	Dyer	NV	5	-118.080	37.680	0.21	4.79
Chalfant	7/21/86	Farmersville	CA	5	-119.206	36.298	0.17	4.83
Chalfant	7/21/86	Firebaugh	CA	5	-120.455	36.859	-0.02	5.02
Chalfant	7/21/86	Fresno	CA	5	-119.771	36.748	0.10	4.90
Chalfant	7/21/86	Hume	CA	5	-118.913	36.785	0.11	4.89
Chalfant	7/21/86	Independence	CA	5	-118.199	36.803	0.87	4.13
Chalfant	7/21/86	Ivanhoe	CA	5	-119.217	36.387	-0.34	5.34
Chalfant	7/21/86	Lone Pine	CA	5	-118.062	36.606	1.72	3.28
Chalfant	7/21/86	Madera	CA	5	-120.060	36.961	-0.03	5.03
Chalfant	7/21/86	Mammoth Lakes	CA	5	-118.971	37.649	-0.06	5.06
Chalfant	7/21/86	North Fork	CA	5	-119.509	37.230	-1.00	6.00
Chalfant	7/21/86	O'Neals	CA	5	-119.693	37.128	-0.10	5.10

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Chalfant	7/21/86	Olancho	CA	5	-118.006	36.282	1.89	3.11
Chalfant	7/21/86	Orange Cove	CA	5	-119.313	36.624	-1.23	6.23
Chalfant	7/21/86	Porterville	CA	5	-119.016	36.065	0.59	4.41
Chalfant	7/21/86	San Joaquin	CA	5	-120.188	36.607	-0.43	5.43
Chalfant	7/21/86	Sonora	CA	5	-120.381	37.984	-0.10	5.10
Chalfant	7/21/86	South Lake Tahoe	CA	5	-119.983	38.933	1.46	3.54
Chalfant	7/21/86	Toms Place	CA	5	-118.680	37.561		5.00
Chalfant	7/21/86	Trona	CA	5	-117.372	35.763	1.15	3.85
Chalfant	7/21/86	Wawona	CA	5	-119.655	37.537		5.00
Chalfant	7/21/86	Ahwahnee	CA	4	-119.725	37.366	-0.25	4.25
Chalfant	7/21/86	Auberry	CA	4	-119.484	37.081	0.73	3.27
Chalfant	7/21/86	Avenal	CA	4	-120.128	36.004	0.21	3.79
Chalfant	7/21/86	Babbitt	NV	4	-118.640	38.540		4.00
Chalfant	7/21/86	Badger	CA	4	-119.012	36.631	-0.69	4.69
Chalfant	7/21/86	Bakersfield	CA	4	-119.018	35.373	0.08	3.92
Chalfant	7/21/86	Bethel Island	CA	4	-121.639	38.015	-0.37	4.37
Chalfant	7/21/86	Big Creek	CA	4	-119.245	37.205	0.64	3.36
Chalfant	7/21/86	Camino	CA	4	-120.674	38.738	0.38	3.62
Chalfant	7/21/86	Candelaria	NV	4	-118.100	38.130		4.00
Chalfant	7/21/86	Carson	CA	4	-118.281	33.831	-0.77	4.77
Chalfant	7/21/86	Caruthers	CA	4	-119.832	36.543	-0.03	4.03
Chalfant	7/21/86	Catheys Valley	CA	4	-120.097	37.433	-0.77	4.77
Chalfant	7/21/86	Cedar Ridge	CA	4	-121.020	39.199	1.13	2.87
Chalfant	7/21/86	Ceres	CA	4	-120.957	37.595	-0.37	4.37
Chalfant	7/21/86	Chowchilla	CA	4	-120.259	37.123	-0.33	4.33
Chalfant	7/21/86	Clovis	CA	4	-119.702	36.825	0.54	3.46
Chalfant	7/21/86	Coarsegold	CA	4	-119.700	37.262	-0.30	4.30
Chalfant	7/21/86	Coleville	CA	4	-119.506	38.566	1.20	2.80
Chalfant	7/21/86	Colton	CA	4	-117.313	34.074	-0.66	4.66
Chalfant	7/21/86	Cutler	CA	4	-119.286	36.523	-0.20	4.20
Chalfant	7/21/86	Del Rey	CA	4	-119.593	36.659	0.11	3.89
Chalfant	7/21/86	Delano	CA	4	-119.246	35.769	-0.01	4.01
Chalfant	7/21/86	Dinuba	CA	4	-119.386	36.543	0.01	3.99
Chalfant	7/21/86	Dos Palos	CA	4	-120.626	36.986	0.20	3.80
Chalfant	7/21/86	Dunlap	CA	4	-119.120	36.738	-0.78	4.78
Chalfant	7/21/86	East Fresno	CA	4	-119.780	36.730		4.00
Chalfant	7/21/86	El Portal	CA	4	-119.783	37.675	0.38	3.62
Chalfant	7/21/86	Fallon	NV	4	-118.776	39.474	3.69	0.31
Chalfant	7/21/86	Fernley	NV	4	-119.250	39.610	1.63	2.37
Chalfant	7/21/86	Fish Camp	CA	4	-119.639	37.479	-0.99	4.99
Chalfant	7/21/86	Fowler	CA	4	-119.678	36.631	-0.09	4.09
Chalfant	7/21/86	Friant	CA	4	-119.711	36.988	0.49	3.51
Chalfant	7/21/86	Gabbs	NV	4	-117.920	38.870	3.08	0.92
Chalfant	7/21/86	Gardnerville	NV	4	-119.749	38.941	1.35	2.65
Chalfant	7/21/86	Goldfield	NV	4	-117.235	37.709		4.00
Chalfant	7/21/86	Goshen	CA	4	-119.419	36.351	0.45	3.55
Chalfant	7/21/86	Hanford	CA	4	-119.645	36.328	0.12	3.88
Chalfant	7/21/86	Hawthorne-Ca	CA	4	-118.352	33.916	-1.49	5.49
Chalfant	7/21/86	Hawthorne-Nv	NV	4	-118.624	38.525	1.66	2.34
Chalfant	7/21/86	Incline Village	NV	4	-119.972	39.251	1.92	2.08
Chalfant	7/21/86	June Lake	CA	4	-119.074	37.780	1.00	3.00

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Chalfant	7/21/86	Kaweah	CA	4	-118.918	36.470	-0.84	4.84
Chalfant	7/21/86	Kernville	CA	4	-118.424	35.755	0.37	3.63
Chalfant	7/21/86	Keyes	CA	4	-120.914	37.557	-0.24	4.24
Chalfant	7/21/86	Kings Beach	CA	4	-120.026	39.238	0.73	3.27
Chalfant	7/21/86	Kingsburg	CA	4	-119.553	36.514	-0.11	4.11
Chalfant	7/21/86	Lake Isabella	CA	4	-118.472	35.618	1.18	2.82
Chalfant	7/21/86	Lakeshore	CA	4	-119.174	37.253	-0.15	4.15
Chalfant	7/21/86	Lee Vining	CA	4	-119.121	37.958	1.36	2.64
Chalfant	7/21/86	Lemoncove	CA	4	-119.024	36.383	-1.35	5.35
Chalfant	7/21/86	Lemoore	CA	4	-119.782	36.301	0.50	3.50
Chalfant	7/21/86	Lemoore Naval Air Station	CA	4	-119.930	36.300	-0.11	4.11
Chalfant	7/21/86	Linden	CA	4	-121.083	38.021	-0.94	4.94
Chalfant	7/21/86	Lindsay	CA	4	-119.087	36.203	0.47	3.53
Chalfant	7/21/86	Los Banos	CA	4	-120.849	37.058	0.05	3.95
Chalfant	7/21/86	Luning	NV	4	-118.181	38.506		4.00
Chalfant	7/21/86	Mariposa	CA	4	-119.965	37.485	0.29	3.71
Chalfant	7/21/86	Mendota	CA	4	-120.381	36.754	-0.96	4.96
Chalfant	7/21/86	Merced	CA	4	-120.482	37.302	0.37	3.63
Chalfant	7/21/86	Mercury	NV	4	-115.990	36.660		4.00
Chalfant	7/21/86	Mina	NV	4	-118.108	38.391		4.00
Chalfant	7/21/86	Minden	NV	4	-119.765	38.954	1.49	2.51
Chalfant	7/21/86	Murphys	CA	4	-120.459	38.138	0.79	3.21
Chalfant	7/21/86	Oakhurst	CA	4	-119.648	37.328	-1.07	5.07
Chalfant	7/21/86	Orosi	CA	4	-119.286	36.545	0.25	3.75
Chalfant	7/21/86	Parlier	CA	4	-119.526	36.612	1.28	2.72
Chalfant	7/21/86	Pasadena	CA	4	-118.130	34.150	1.04	2.96
Chalfant	7/21/86	Piedra	CA	4	-119.381	36.810	0.15	3.85
Chalfant	7/21/86	Pollock Pines	CA	4	-120.586	38.761	0.51	3.49
Chalfant	7/21/86	Prather	CA	4	-119.513	37.038	-0.48	4.48
Chalfant	7/21/86	Raymond	CA	4	-119.904	37.217	-1.18	5.18
Chalfant	7/21/86	Reedley	CA	4	-119.449	36.596	0.67	3.33
Chalfant	7/21/86	Sacramento	CA	4	-121.493	38.582	0.86	3.14
Chalfant	7/21/86	Sanger	CA	4	-119.555	36.708	-0.63	4.63
Chalfant	7/21/86	Selma	CA	4	-119.611	36.571	0.10	3.90
Chalfant	7/21/86	Shaver Lake	CA	4	-119.317	37.104	-2.35	6.35
Chalfant	7/21/86	Squaw Valley	CA	4	-119.246	36.741	-1.20	5.20
Chalfant	7/21/86	Stanton	CA	4	-117.992	33.803	-1.49	5.49
Chalfant	7/21/86	Sultana	CA	4	-119.339	36.546	-0.01	4.01
Chalfant	7/21/86	Tehachapi	CA	4	-118.448	35.132	-0.63	4.63
Chalfant	7/21/86	Tipton	CA	4	-119.311	36.059	0.03	3.97
Chalfant	7/21/86	Tollhouse	CA	4	-119.398	37.019	-1.59	5.59
Chalfant	7/21/86	Tonopah	NV	4	-117.229	38.067	3.55	0.45
Chalfant	7/21/86	Tranquillity	CA	4	-120.252	36.649	-0.48	4.48
Chalfant	7/21/86	Tulare	CA	4	-119.346	36.208	-0.02	4.02
Chalfant	7/21/86	Tuolumne	CA	4	-120.236	37.961	0.14	3.86
Chalfant	7/21/86	Tuolumne Meadows	CA	4	-119.340	37.880		4.00
Chalfant	7/21/86	Ventura	CA	4	-119.292	34.278	0.50	3.50
Chalfant	7/21/86	Visalia	CA	4	-119.291	36.330	0.27	3.73
Chalfant	7/21/86	Wofford Heights	CA	4	-118.455	35.707	-0.96	4.96
Chalfant	7/21/86	Yerington	NV	4	-119.162	38.986	2.50	1.50

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Chalfant	7/21/86	Yettam	CA	4	-119.259	36.486	0.56	3.44
Chalfant	7/21/86	Yosemite Lodge	CA	4	-119.640	37.750		4.00
Chalfant	7/21/86	Yosemite National Park	CA	4	-119.630	37.750	1.69	2.31
Chalfant	7/21/86	Aptos	CA	3	-121.898	36.977	-0.90	3.90
Chalfant	7/21/86	Arcadia	CA	3	-118.034	34.140	-0.99	3.99
Chalfant	7/21/86	Armona	CA	3	-119.708	36.316	-0.24	3.24
Chalfant	7/21/86	Atwater	CA	3	-120.608	37.348	0.05	2.95
Chalfant	7/21/86	Biola	CA	3	-120.015	36.802	-0.08	3.08
Chalfant	7/21/86	Burbank	CA	3	-118.308	34.181	-0.44	3.44
Chalfant	7/21/86	Buttonwillow	CA	3	-119.469	35.401	0.57	2.43
Chalfant	7/21/86	Citrus Heights	CA	3	-121.280	38.707	-0.11	3.11
Chalfant	7/21/86	Columbia	CA	3	-120.400	38.036	0.12	2.88
Chalfant	7/21/86	Courtland	CA	3	-121.568	38.331	-0.15	3.15
Chalfant	7/21/86	Delhi	CA	3	-120.778	37.432	-0.05	3.05
Chalfant	7/21/86	Denair	CA	3	-120.796	37.526	0.23	2.77
Chalfant	7/21/86	Dublin	CA	3	-121.935	37.702	-0.08	3.08
Chalfant	7/21/86	Elko	NV	3	-115.750	40.833		3.00
Chalfant	7/21/86	Folsom	CA	3	-121.175	38.678	-0.82	3.82
Chalfant	7/21/86	Georgetown	CA	3	-120.838	38.907	0.56	2.44
Chalfant	7/21/86	Glendale	CA	3	-118.254	34.143	-0.32	3.32
Chalfant	7/21/86	Indio	CA	3	-116.215	33.721	1.56	1.44
Chalfant	7/21/86	Iowa Hill	CA	3	-120.858	39.109	1.43	1.57
Chalfant	7/21/86	Isleton	CA	3	-121.611	38.162	0.00	3.00
Chalfant	7/21/86	Jackson	CA	3	-120.773	38.349	0.01	2.99
Chalfant	7/21/86	Jamestown	CA	3	-120.422	37.953	-1.82	4.82
Chalfant	7/21/86	Kelsey	CA	3	-120.820	38.799	-0.74	3.74
Chalfant	7/21/86	Kerman	CA	3	-120.059	36.724	-1.16	4.16
Chalfant	7/21/86	Lamont	CA	3	-118.913	35.260	-0.32	3.32
Chalfant	7/21/86	Las Vegas	NV	3	-115.150	36.183	3.58	-0.58
Chalfant	7/21/86	Lathrop	CA	3	-121.276	37.823	-0.31	3.31
Chalfant	7/21/86	Lemon Grove	CA	3	-117.031	32.743	0.58	2.42
Chalfant	7/21/86	Livermore	CA	3	-121.767	37.682	0.05	2.95
Chalfant	7/21/86	Lodi	CA	3	-121.271	38.130	0.01	2.99
Chalfant	7/21/86	Los Alamitos	CA	3	-118.072	33.803	-0.06	3.06
Chalfant	7/21/86	Manteca	CA	3	-121.215	37.798	-0.45	3.45
Chalfant	7/21/86	Mather Air Force Base	CA	3	-121.300	38.560	0.67	2.33
Chalfant	7/21/86	Meadow Vista	CA	3	-121.021	39.001	-1.33	4.33
Chalfant	7/21/86	Modesto	CA	3	-120.996	37.639	-0.39	3.39
Chalfant	7/21/86	Oceanside	CA	3	-117.379	33.196	0.36	2.64
Chalfant	7/21/86	Patterson	CA	3	-121.129	37.472	-0.34	3.34
Chalfant	7/21/86	Planada	CA	3	-120.318	37.291	-0.76	3.76
Chalfant	7/21/86	Pleasanton	CA	3	-121.874	37.663	-0.42	3.42
Chalfant	7/21/86	Ridgecrest	CA	3	-117.670	35.623	1.80	1.20
Chalfant	7/21/86	Ripon	CA	3	-121.123	37.742	-0.16	3.16
Chalfant	7/21/86	Riverdale	CA	3	-119.859	36.431	-0.29	3.29
Chalfant	7/21/86	Rosamond	CA	3	-118.163	34.864	-0.69	3.69
Chalfant	7/21/86	Salida	CA	3	-121.084	37.706	0.12	2.88
Chalfant	7/21/86	San Andreas	CA	3	-120.679	38.196	-0.65	3.65
Chalfant	7/21/86	San Jose	CA	3	-121.894	37.339	0.15	2.85

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Chalfant	7/21/86	San Juan Bautista	CA	3	-121.537	36.846	-0.55	3.55
Chalfant	7/21/86	San Pedro	CA	3	-118.291	33.736	-1.57	4.57
Chalfant	7/21/86	Santa Cruz	CA	3	-122.030	36.974	-0.07	3.07
Chalfant	7/21/86	Santee	CA	3	-116.973	32.838	0.98	2.02
Chalfant	7/21/86	Shingle Springs	CA	3	-120.925	38.666		3.00
Chalfant	7/21/86	Sparks	NV	3	-119.752	39.535	1.74	1.26
Chalfant	7/21/86	Stockton	CA	3	-121.290	37.958	0.88	2.12
Chalfant	7/21/86	Sutter	CA	3	-121.752	39.160		3.00
Chalfant	7/21/86	Tahoe City	CA	3	-120.138	39.172	1.16	1.84
Chalfant	7/21/86	Tracy	CA	3	-121.424	37.740	-0.42	3.42
Chalfant	7/21/86	Truckee	CA	3	-120.182	39.328	0.89	2.11
Chalfant	7/21/86	Twain Harte	CA	3	-120.232	38.040	0.41	2.59
Chalfant	7/21/86	Virginia City	NV	3	-119.649	39.310	1.37	1.63
Chalfant	7/21/86	Wasco	CA	3	-119.340	35.594	-0.09	3.09
Chalfant	7/21/86	Winton	CA	3	-120.612	37.389	-0.47	3.47
Chalfant	7/21/86	Woodland	CA	3	-121.772	38.679	0.41	2.59
Chalfant	7/21/86	Yuba City	CA	3	-121.616	39.141	0.54	2.46
Chalfant	7/21/86	Zephyr Cove	NV	3	-119.955	39.002	1.39	1.61
Petrolia	11/21/86	Orick	CA	3	-124.059	41.287		3.00
Petrolia	11/21/86	Trinidad	CA	3	-124.142	41.059		3.00
Petrolia	11/21/86	Westhaven	CA	3	-124.110	41.036		3.00
Petrolia	11/21/86	Samoa	CA	4	-124.185	40.819		4.00
Petrolia	11/21/86	Fields Landing	CA	5	-124.214	40.725		5.00
Petrolia	11/21/86	Eureka	CA	4	-124.163	40.802	4.78	-0.78
Petrolia	11/21/86	Arcata	CA	5	-124.082	40.867		5.00
Petrolia	11/21/86	Cutten	CA	5	-124.142	40.770		5.00
Petrolia	11/21/86	Loleta	CA	5	-124.224	40.641		5.00
Petrolia	11/21/86	Ferndale	CA	6	-124.263	40.576		6.00
Petrolia	11/21/86	Bayside	CA	4	-124.063	40.843	7.44	-3.44
Petrolia	11/21/86	Blue Lake	CA	4	-123.983	40.883		4.00
Petrolia	11/21/86	Kneeland	CA	4	-123.994	40.761		4.00
Petrolia	11/21/86	Fortuna	CA	6	-124.156	40.598	3.90	2.10
Petrolia	11/21/86	Willow Creek	CA	3	-123.630	40.940		3.00
Petrolia	11/21/86	Salyer	CA	3	-123.583	40.890		3.00
Petrolia	11/21/86	Hydesville	CA	6	-124.096	40.548		6.00
Petrolia	11/21/86	Carlotta	CA	6	-124.059	40.538		6.00
Petrolia	11/21/86	Burnt Ranch	CA	3	-123.473	40.809		3.00
Petrolia	11/21/86	Scotia	CA	6	-124.100	40.483		6.00
Petrolia	11/21/86	Bridgeville	CA	3	-123.799	40.469		3.00
Petrolia	11/21/86	Redcrest	CA	5	-123.949	40.401		5.00
Petrolia	11/21/86	Mad River	CA	3	-123.500	40.450		3.00
Petrolia	11/21/86	Weott	CA	5	-123.921	40.322		5.00
Petrolia	11/21/86	Petrolia	CA	7	-124.286	40.326	6.32	0.68
Petrolia	11/21/86	Ruth	CA	3	-123.320	40.270		3.00
Petrolia	11/21/86	Blocksburg	CA	5	-123.635	40.276		5.00
Petrolia	11/21/86	Myers Flat	CA	4	-123.869	40.266	5.81	-1.81
Petrolia	11/21/86	Miranda	CA	5	-123.823	40.235		5.00
Petrolia	11/21/86	Alderpoint	CA	5	-123.611	40.176		5.00
Petrolia	11/21/86	Honeydew	CA	6	-124.122	40.244		6.00
Petrolia	11/21/86	Redway	CA	5	-123.822	40.120		5.00
Petrolia	11/21/86	Garberville	CA	4	-123.794	40.100		4.00

**Table 3. Modified Mercalli Intensity Observations for Bakun and Wentworth's (1997)
Test-set Events**

Event Code	Event Date	Location	St	MMI	Long	Lat	Site Corr	MMI- Site Corr
Petrolia	11/21/86	Covelo	CA	4	-123.247	39.793		4.00
Petrolia	11/21/86	Piercy	CA	4	-123.794	39.966		4.00
Petrolia	11/21/86	Whitethorn	CA	4	-123.942	40.024		4.00
Petrolia	11/21/86	Laytonville	CA	3	-123.482	39.688	4.33	-1.33
Petrolia	11/21/86	Shelter Cove	CA	4	-124.072	40.031		4.00
Petrolia	11/21/86	Westport	CA	3	-123.782	39.636		3.00
Petrolia	11/21/86	Fort Bragg	CA	4	-123.804	39.446	1.30	2.70
Petrolia	11/21/86	Mendocino	CA	3	-123.798	39.308		3.00

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
B1	10 June 1836	San Juan Bautista	CA	7	-121.537	36.846	-0.55	7.55
B1	10 June 1836	Carmel	CA	6.5	-121.920	36.560	0.10	6.40
B1	10 June 1836	Mission Santa Clara	CA	6.5	-121.940	37.340		6.50
B1	10 June 1836	Monterey	CA	6.5	-121.894	36.600	-0.16	6.66
B2	June 1838	San Jose	CA	8	-121.894	37.339	0.15	7.85
B2	June 1838	San Leandro	CA	8	-122.155	37.725	-0.15	8.15
B2	June 1838	Woodside	CA	8	-122.253	37.430	-0.08	8.08
B2	June 1838	Mission San Jose	CA	7	-121.919	37.533		7.00
B2	June 1838	Mission Santa Clara	CA	7	-121.940	37.340		7.00
B2	June 1838	Oakland	CA	7	-122.270	37.804	-0.14	7.14
B2	June 1838	San Francisco	CA	7	-122.418	37.775	1.18	5.82
B2	June 1838	Santa Cruz	CA	7	-122.030	36.974	-0.07	7.07
B2	June 1838	Monterey	CA	6.5	-121.894	36.600	-0.16	6.66
B3	3 July 1841	Monterey	CA	6	-121.894	36.600	-0.16	6.16
B4	29 July 1841	Alisal	CA	6.5	-121.610	36.680		6.50
A1	15 May 1851	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A1	15 May 1851	Benecia	CA	4.5	-122.158	38.049	-0.47	4.97
A1	15 May 1851	Vallejo	CA	4.5	-122.256	38.104	-0.12	4.62
A2	27 Aug 1855	Gen Vallejo'S Ranch	CA	6	-122.462	38.299		6.00
A2	27 Aug 1855	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A3	2 Jan 1856	San Francisco	CA	6.5	-122.418	37.775	1.18	5.32
A3	2 Jan 1856	Monterey	CA	5	-121.894	36.600	-0.16	5.16
A3	2 Jan 1856	San Jose	CA	4	-121.894	37.339	0.15	3.85
A4	15 Feb 1856	Oakland	CA	7	-122.270	37.804	-0.14	7.14
A4	15 Feb 1856	San Francisco	CA	7	-122.418	37.775	1.18	5.82
A4	15 Feb 1856	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A4	15 Feb 1856	Benecia	CA	5	-122.158	38.049	-0.47	5.47
A4	15 Feb 1856	Petaluma	CA	5	-122.636	38.233	0.40	4.60
A4	15 Feb 1856	San Jose	CA	5	-121.894	37.339	0.15	4.85
A4	15 Feb 1856	Stockton	CA	4	-121.290	37.958	0.88	3.12
A5	26 Nov 1858	San Jose	CA	8	-121.894	37.339	0.15	7.85
A5	26 Nov 1858	Mountain View	CA	7	-122.083	37.386	-0.60	7.60
A5	26 Nov 1858	San Francisco	CA	7	-122.418	37.775	1.18	5.82
A5	26 Nov 1858	Stockton	CA	6	-121.290	37.958	0.88	5.12
A5	26 Nov 1858	Napa	CA	5	-122.284	38.297	0.32	4.68
A5	26 Nov 1858	Sacramento	CA	5	-121.493	38.582	0.86	4.14
A5	26 Nov 1858	Santa Cruz	CA	4	-122.030	36.974	-0.07	4.07
A6	5 Oct 1859	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A7	17 Apr 1860	Monterey	CA	5	-121.894	36.600	-0.16	5.16
A7	17 Apr 1860	Santa Cruz	CA	5	-122.030	36.974	-0.07	5.07
A7	17 Apr 1860	San Francisco	CA	3	-122.418	37.775	1.18	1.82
A7	17 Apr 1860	Visalia	CA	3	-119.291	36.330	0.27	2.73
A8	4 July 1861	Amador Valley	CA	8	-121.881	37.683		8.00
A8	4 July 1861	Benecia	CA	6	-122.158	38.049	-0.47	6.47
A8	4 July 1861	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A8	4 July 1861	Redwood City	CA	5.5	-122.235	37.485	-0.29	5.79

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A8	4 July 1861	Pacheco	CA	5	-122.074	37.984		5.00
A8	4 July 1861	Sacramento	CA	3	-121.493	38.582	0.86	2.14
A9	19 Dec 1863	San Francisco	CA	5.5	-122.418	37.775	1.18	4.32
A9	19 Dec 1863	Stockton	CA	4	-121.290	37.958	0.88	3.12
A9	19 Dec 1863	Napa	CA	3	-122.284	38.297	0.32	2.68
A10	26 Feb 1864	Monterey	CA	6	-121.894	36.600	-0.16	6.16
A10	26 Feb 1864	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A10	26 Feb 1864	San Jose	CA	6	-121.894	37.339	0.15	5.85
A10	26 Feb 1864	Watsonville	CA	6	-121.756	36.910	0.18	5.82
A10	26 Feb 1864	Stockton	CA	5	-121.290	37.958	0.88	4.12
A11	5 Mar 1864	San Francisco	CA	6.5	-122.418	37.775	1.18	5.32
A11	5 Mar 1864	San Jose	CA	6	-121.894	37.339	0.15	5.85
A11	5 Mar 1864	Stockton	CA	5.5	-121.290	37.958	0.88	4.62
A11	5 Mar 1864	Napa	CA	5	-122.284	38.297	0.32	4.68
A11	5 Mar 1864	Merced	CA	4.5	-120.482	37.302	0.37	4.13
A11	5 Mar 1864	Santa Clara	CA	4	-121.954	37.354	-0.28	4.28
A11	5 Mar 1864	Sacramento	CA	3	-121.493	38.582	0.86	2.14
A11	5 Mar 1864	Visalia	CA	3	-119.291	36.330	0.27	2.73
A12	21 May 1864	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A12	21 May 1864	San Jose	CA	6	-121.894	37.339	0.15	5.85
A12	21 May 1864	Napa	CA	4	-122.284	38.297	0.32	3.68
A12	21 May 1864	Sacramento	CA	4	-121.493	38.582	0.86	3.14
A13	22 July 1864	San Francisco	CA	5	-122.418	37.775	1.18	3.82
A13	22 July 1864	San Jose	CA	5	-121.894	37.339	0.15	4.85
A14	8 Mar 1865	Bennet Valley	CA	7	-122.683	38.441		7.00
A14	8 Mar 1865	Napa	CA	5.5	-122.284	38.297	0.32	5.18
A14	8 Mar 1865	Santa Rosa	CA	5	-122.713	38.441	0.41	4.59
A14	8 Mar 1865	Petaluma	CA	4.5	-122.636	38.233	0.40	4.10
A14	8 Mar 1865	San Francisco	CA	4	-122.418	37.775	1.18	2.82
A14	8 Mar 1865	San Leandro	CA	4	-122.155	37.725	-0.15	4.15
A14	8 Mar 1865	Suisun	CA	4	-122.000	38.240	0.33	3.67
A15	24 May 1865	San Juan Bautista	CA	6	-121.537	36.846	-0.55	6.55
A15	24 May 1865	Monterey	CA	5	-121.894	36.600	-0.16	5.16
A15	24 May 1865	San Francisco	CA	5	-122.418	37.775	1.18	3.82
A15	24 May 1865	San Leandro	CA	5	-122.155	37.725	-0.15	5.15
A16	8 Oct 1865	New Almaden	CA	9	-121.820	37.176	-1.39	10.39
A16	8 Oct 1865	San Francisco	CA	8	-122.418	37.775	1.18	6.82
A16	8 Oct 1865	San Jose	CA	8	-121.894	37.339	0.15	7.85
A16	8 Oct 1865	Santa Cruz	CA	7	-122.030	36.974	-0.07	7.07
A16	8 Oct 1865	Corralitos	CA	7	-121.805	36.989	0.16	6.84
A16	8 Oct 1865	Napa	CA	7	-122.284	38.297	0.32	6.68
A16	8 Oct 1865	Redwood City	CA	7	-122.235	37.485	-0.29	7.29
A16	8 Oct 1865	Santa Clara	CA	7	-121.954	37.354	-0.28	7.28
A16	8 Oct 1865	Soquel	CA	7	-121.956	36.988	-0.33	7.33
A16	8 Oct 1865	Watsonville	CA	7	-121.756	36.910	0.18	6.82

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A16	8 Oct 1865	Alamo	CA	6	-122.031	37.850	-0.29	6.29
A16	8 Oct 1865	Half Moon Bay	CA	6	-122.428	37.464	-0.22	6.22
A16	8 Oct 1865	Los Gatos	CA	6	-121.974	37.227	-0.28	6.28
A16	8 Oct 1865	Martinez	CA	6	-122.133	38.019		6.00
A16	8 Oct 1865	Pacheco	CA	6	-122.074	37.984		6.00
A16	8 Oct 1865	San Leandro	CA	6	-122.155	37.725	-0.15	6.15
A16	8 Oct 1865	Saratoga	CA	6	-122.022	37.264	-1.04	7.04
A16	8 Oct 1865	Stockton	CA	6	-121.290	37.958	0.88	5.12
A16	8 Oct 1865	Petaluma	CA	5.5	-122.636	38.233	0.40	5.10
A16	8 Oct 1865	San Rafael	CA	5.5	-122.530	37.974	-0.14	5.64
A16	8 Oct 1865	Sacramento	CA	5	-121.493	38.582	0.86	4.14
A16	8 Oct 1865	San Juan Bautista	CA	5	-121.537	36.846	-0.55	5.55
A16	8 Oct 1865	Marysville	CA	3	-121.590	39.146	0.54	2.46
A16	8 Oct 1865	Nevada City	CA	3	-121.015	39.262	-0.12	3.12
A16	8 Oct 1865	Placerville	CA	3	-120.798	38.730	0.06	2.94
A16	8 Oct 1865	Snelling	CA	3	-120.436	37.519	-0.03	3.03
A16	8 Oct 1865	Santa Cruz Gap Road	CA	7	-121.950	37.070		7.00
A17	26 Mar 1866	Gilroy	CA	7	-121.567	37.006	-0.08	7.08
A17	26 Mar 1866	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A17	26 Mar 1866	San Jose	CA	5	-121.894	37.339	0.15	4.85
A17	26 Mar 1866	Napa	CA	3	-122.284	38.297	0.32	2.68
A17	26 Mar 1866	Sacramento	CA	3	-121.493	38.582	0.86	2.14
A17	26 Mar 1866	Stockton	CA	3	-121.290	37.958	0.88	2.12
A18	15 July 1866	Sacramento	CA	5	-121.493	38.582	0.86	4.14
A18	15 July 1866	Stockton	CA	5	-121.290	37.958	0.88	4.12
A18	15 July 1866	Mariposa	CA	4	-119.965	37.485	0.29	3.71
A18	15 July 1866	Marysville	CA	4	-121.590	39.146	0.54	3.46
A18	15 July 1866	San Francisco	CA	3	-122.418	37.775	1.18	1.82
A18	15 July 1866	Visalia	CA	3	-119.291	36.330	0.27	2.73
A19	21 Oct 1868	Alvarado	CA	9	-122.080	37.600		9.00
A19	21 Oct 1868	Centerville	CA	9	-122.010	37.560		9.00
A19	21 Oct 1868	Hayward	CA	9	-122.080	37.669	-0.36	9.36
A19	21 Oct 1868	San Leandro	CA	9	-122.155	37.725	-0.15	9.15
A19	21 Oct 1868	San Lorenzo	CA	9	-122.123	37.681	-0.48	9.48
A19	21 Oct 1868	Alameda	CA	8	-122.241	37.765		8.00
A19	21 Oct 1868	Alamo	CA	8	-122.031	37.850	-0.29	8.29
A19	21 Oct 1868	Benecia	CA	8	-122.158	38.049	-0.47	8.47
A19	21 Oct 1868	Bolinas	CA	8	-122.685	37.909	0.39	7.61
A19	21 Oct 1868	Danville	CA	8	-121.999	37.822	-0.24	8.24
A19	21 Oct 1868	Irvington	CA	8	-121.950	37.520		8.00
A19	21 Oct 1868	Martinez	CA	8	-122.133	38.019		8.00
A19	21 Oct 1868	Mountain View	CA	8	-122.083	37.386	-0.60	8.60
A19	21 Oct 1868	Oakland	CA	8	-122.270	37.804	-0.14	8.14
A19	21 Oct 1868	Pacheco	CA	8	-122.074	37.984		8.00
A19	21 Oct 1868	Petaluma	CA	8	-122.636	38.233	0.40	7.60

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A19	21 Oct 1868	San Francisco	CA	8	-122.418	37.775	1.18	6.82
A19	21 Oct 1868	San Jose	CA	8	-121.894	37.339	0.15	7.85
A19	21 Oct 1868	Antioch	CA	7	-121.805	38.005	-0.36	7.36
A19	21 Oct 1868	Calaveras Valley	CA	7	-121.804	37.448		7.00
A19	21 Oct 1868	Clayton	CA	7	-121.935	37.941		7.00
A19	21 Oct 1868	Colma	CA	7	-122.459	37.677	-0.34	7.34
A19	21 Oct 1868	Gilroy	CA	7	-121.567	37.006	-0.08	7.08
A19	21 Oct 1868	Knights Landing	CA	7	-121.717	38.800	0.52	6.48
A19	21 Oct 1868	Mare Island	CA	7	-122.270	38.100		7.00
A19	21 Oct 1868	Mount Eden	CA	7	-122.099	37.636	-1.04	8.04
A19	21 Oct 1868	Napa	CA	7	-122.284	38.297	0.32	6.68
A19	21 Oct 1868	Nortonville	CA	7	-121.879	37.958		7.00
A19	21 Oct 1868	Redwood City	CA	7	-122.235	37.485	-0.29	7.29
A19	21 Oct 1868	Santa Clara	CA	7	-121.954	37.354	-0.28	7.28
A19	21 Oct 1868	Santa Cruz	CA	7	-122.030	36.974	-0.07	6.07
A19	21 Oct 1868	Santa Rosa	CA	7	-122.713	38.441	0.41	6.59
A19	21 Oct 1868	Somersville	CA	7	-121.863	37.957		7.00
A19	21 Oct 1868	Soquel	CA	7	-121.956	36.988	-0.33	7.33
A19	21 Oct 1868	Stockton	CA	7	-121.290	37.958	0.88	6.12
A19	21 Oct 1868	Vallejo	CA	7	-122.256	38.104	-0.12	7.12
A19	21 Oct 1868	Belmont	CA	6	-122.275	37.520	-0.33	6.33
A19	21 Oct 1868	Decoto	CA	6	-122.020	37.600		6.00
A19	21 Oct 1868	Milpitas	CA	6	-121.906	37.428	-0.47	6.47
A19	21 Oct 1868	Niles	CA	6	-121.970	37.580	-1.08	7.08
A19	21 Oct 1868	Oakville	CA	6	-122.401	38.437	-0.94	6.94
A19	21 Oct 1868	Sacramento	CA	6	-121.493	38.582	0.86	5.14
A19	21 Oct 1868	San Mateo	CA	6	-122.324	37.563	-0.52	6.52
A19	21 Oct 1868	San Pablo Creek	CA	6	-122.344	37.962		6.00
A19	21 Oct 1868	San Rafael	CA	6	-122.530	37.974	-0.14	6.14
A19	21 Oct 1868	Suisun	CA	6	-122.000	38.240	0.33	5.67
A19	21 Oct 1868	Woodbridge	CA	6	-121.300	38.154	-0.83	6.83
A19	21 Oct 1868	Woodland	CA	6	-121.772	38.679	0.41	5.59
A19	21 Oct 1868	Healdsburg	CA	5.5	-122.868	38.611	0.67	4.83
A19	21 Oct 1868	Linden	CA	5.5	-121.083	38.021	-0.94	6.44
A19	21 Oct 1868	Bodega	CA	5	-122.973	38.345	-0.27	5.27
A19	21 Oct 1868	Chalk Bluff	CA	5	-120.879	39.216		5.00
A19	21 Oct 1868	Folsom	CA	5	-121.175	38.678	-0.82	5.82
A19	21 Oct 1868	Grass Valley	CA	5	-121.060	39.219	-0.70	5.70
A19	21 Oct 1868	Marysville	CA	5	-121.590	39.146	0.54	4.46
A19	21 Oct 1868	Nevada City	CA	5	-121.015	39.262	-0.12	5.12
A19	21 Oct 1868	Sebastopol	CA	5	-122.823	38.402	0.03	4.97
A19	21 Oct 1868	Sonoma	CA	5	-122.457	38.292	-0.32	5.32
A19	21 Oct 1868	Carson City	NV	4.5	-119.766	39.164	1.92	2.58
A19	21 Oct 1868	Sonora	CA	4.5	-120.381	37.984	-0.10	4.60
A19	21 Oct 1868	Virginia City	NV	4.5	-119.649	39.310	1.37	3.13
A19	21 Oct 1868	Jackson	CA	4	-120.773	38.349	0.01	3.99

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A19	21 Oct 1868	Lincoln	CA	4	-121.292	38.892	-0.31	4.31
A19	21 Oct 1868	Mariposa	CA	4	-119.965	37.485	0.29	3.71
A19	21 Oct 1868	Auburn	CA	3	-121.076	38.897	-0.19	3.19
A19	21 Oct 1868	Colusa	CA	3	-122.008	39.214	-0.97	3.97
A19	21 Oct 1868	Oroville	CA	3	-121.555	39.514	0.49	2.51
A19	21 Oct 1868	Pine Grove	CA	3	-123.813	39.349		3.00
A19	21 Oct 1868	Visalia	CA	3	-119.291	36.330	0.27	2.73
A19	21 Oct 1868	You Bet	CA	3	-120.899	39.209		3.00
A20	2 Apr 1869	Livermore	CA	5	-121.767	37.682	0.05	4.95
A20	2 Apr 1869	San Francisco	CA	5	-122.418	37.775	1.18	3.82
A20	2 Apr 1869	San Jose	CA	5	-121.894	37.339	0.15	4.85
A21	17 Feb 1870	Los Gatos	CA	7	-121.974	37.227	-0.28	7.28
A21	17 Feb 1870	Santa Cruz	CA	7	-122.030	36.974	-0.07	6.07
A21	17 Feb 1870	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A21	17 Feb 1870	San Jose	CA	6	-121.894	37.339	0.15	5.85
A21	17 Feb 1870	Santa Clara	CA	6	-121.954	37.354	-0.28	6.28
A21	17 Feb 1870	Redwood City	CA	5.5	-122.235	37.485	-0.29	5.79
A21	17 Feb 1870	Petaluma	CA	5	-122.636	38.233	0.40	4.60
A21	17 Feb 1870	Watsonville	CA	5	-121.756	36.910	0.18	4.82
A21	17 Feb 1870	Napa	CA	3	-122.284	38.297	0.32	2.68
A21	17 Feb 1870	Vallejo	CA	3	-122.256	38.104	-0.12	3.12
A22	2 Apr 1870	Oakland	CA	6	-122.270	37.804	-0.14	6.14
A22	2 Apr 1870	Petaluma	CA	6	-122.636	38.233	0.40	5.60
A22	2 Apr 1870	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A22	2 Apr 1870	San Leandro	CA	6	-122.155	37.725	-0.15	6.15
A22	2 Apr 1870	Berkeley	CA	5.5	-122.272	37.872	-0.02	5.52
A22	2 Apr 1870	Napa	CA	5	-122.284	38.297	0.32	4.68
A22	2 Apr 1870	Pacheco	CA	5	-122.074	37.984		5.00
A22	2 Apr 1870	Redwood City	CA	5	-122.235	37.485	-0.29	5.29
A22	2 Apr 1870	San Jose	CA	5	-121.894	37.339	0.15	4.85
A23	29 May 1876	Freestone	CA	6	-122.914	38.373		6.00
A23	29 May 1876	Santa Rosa	CA	5	-122.713	38.441	0.41	4.59
A23	29 May 1876	Calistoga	CA	3	-122.579	38.579	-0.10	3.10
A23	29 May 1876	Cloverdale	CA	3	-123.016	38.806	0.33	2.67
A24	10 Apr 1881	Hollister	CA	6	-121.401	36.853	0.11	5.89
A24	10 Apr 1881	Modesto	CA	6	-120.996	37.639	-0.39	6.39
A24	10 Apr 1881	Pescadero	CA	6	-122.380	37.255	-0.17	6.17
A24	10 Apr 1881	Stockton	CA	6	-121.290	37.958	0.88	5.12
A24	10 Apr 1881	Georgetown	CA	5	-120.838	38.907	0.56	4.44
A24	10 Apr 1881	Hayward	CA	5	-122.080	37.669	-0.36	5.36
A24	10 Apr 1881	Ione	CA	5	-120.932	38.353	-0.02	5.02
A24	10 Apr 1881	Merced	CA	5	-120.482	37.302	0.37	4.63
A24	10 Apr 1881	Oakland	CA	5	-122.270	37.804	-0.14	5.14
A24	10 Apr 1881	Sacramento	CA	5	-121.493	38.582	0.86	4.14
A24	10 Apr 1881	Sonoma	CA	5	-120.381	37.984	-0.10	5.10
A24	10 Apr 1881	San Mateo	CA	4.5	-122.324	37.563	-0.52	5.02

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A24	10 Apr 1881	Watsonville	CA	4.5	-121.756	36.910	0.18	4.32
A24	10 Apr 1881	Marysville	CA	4	-121.590	39.146	0.54	3.46
A24	10 Apr 1881	Napa	CA	4	-122.284	38.297	0.32	3.68
A24	10 Apr 1881	Visalia	CA	4	-119.291	36.330	0.27	3.73
B?	6 Mar 1882	Bitterwater	CA	6.5	-121.002	36.380	0.58	5.92
B?	6 Mar 1882	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
B?	6 Mar 1882	Charleston	CA	5.5	-120.828	36.984		5.50
B?	6 Mar 1882	Hollister	CA	5.5	-121.401	36.853	0.11	5.39
B?	6 Mar 1882	Merced	CA	5.5	-120.482	37.302	0.37	5.13
B?	6 Mar 1882	Salinas	CA	5.5	-121.654	36.678	-0.16	5.66
B?	6 Mar 1882	Lemoore	CA	4	-119.782	36.301	0.50	3.50
B?	6 Mar 1882	Hanford	CA	3	-119.645	36.328	0.12	2.88
B?	6 Mar 1882	Modesto	CA	3	-120.996	37.639	-0.39	3.39
A25	28 June 1882	Alma	CA	6	-121.986	37.185		6.00
A25	28 June 1882	Hollister	CA	6	-121.401	36.853	0.11	5.89
A25	28 June 1882	Los Gatos	CA	6	-121.974	37.227	-0.28	6.28
A25	28 June 1882	San Jose	CA	6	-121.894	37.339	0.15	5.85
A25	28 June 1882	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A25	28 June 1882	Saratoga	CA	6	-122.022	37.264		6.00
A25	28 June 1882	San Francisco	CA	5	-122.418	37.775	1.18	3.82
A25	28 June 1882	Stockton	CA	5	-121.290	37.958	0.88	4.12
A26	30 Mar 1883	Gilroy	CA	7	-121.567	37.006	-0.08	7.08
A26	30 Mar 1883	Sargents	CA	7	-121.547	36.919		7.00
A26	30 Mar 1883	Watsonville	CA	6.5	-121.756	36.910	0.18	6.32
A26	30 Mar 1883	Hollister	CA	6	-121.401	36.853	0.11	5.89
A26	30 Mar 1883	Salinas	CA	6	-121.654	36.678	-0.16	6.16
A26	30 Mar 1883	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A26	30 Mar 1883	Cayucos	CA	3	-120.891	35.443	-0.73	3.73
A26	30 Mar 1883	Napa	CA	3	-122.284	38.297	0.32	2.68
A26	30 Mar 1883	Stockton	CA	3	-121.290	37.958	0.88	2.12
A27	26 Mar 1884	Monterey	CA	6	-121.894	36.600	-0.16	6.16
A27	26 Mar 1884	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A27	26 Mar 1884	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A27	26 Mar 1884	Gilroy	CA	5.5	-121.567	37.006	-0.08	5.58
A27	26 Mar 1884	Oakland	CA	5.5	-122.270	37.804	-0.14	5.64
A27	26 Mar 1884	Petaluma	CA	4.5	-122.636	38.233	0.40	4.10
A27	26 Mar 1884	Napa	CA	3	-122.284	38.297	0.32	2.68
B?	31 Mar 1885	Hollister	CA	6	-121.401	36.853	0.11	5.89
B?	31 Mar 1885	Jct Pajaro/San Benito R	CA	6	-121.567	36.853		6.00
B?	31 Mar 1885	Salinas	CA	5	-121.654	36.678	-0.16	5.16
B?	2 Apr 1885	Salinas	CA	5.5	-121.654	36.678	-0.16	5.66
B?	2 Apr 1885	Santa Cruz	CA	5	-122.030	36.974	-0.07	5.07
B?	2 Apr 1885	Fresno	CA	4	-119.771	36.748	0.10	3.90
B?	2 Apr 1885	Merced	CA	4	-120.482	37.302	0.37	3.63
B?	2 Apr 1885	Sacramento	CA	3	-121.493	38.582	0.86	2.14
B?	2 Apr 1885	Stockton	CA	3	-121.290	37.958	0.88	2.12

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
B?	12 Apr 1885	Las Tablas	CA	7	-120.942	35.688		7.00
B?	12 Apr 1885	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
B?	12 Apr 1885	Merced	CA	5.5	-120.482	37.302	0.37	5.13
B?	12 Apr 1885	Salinas	CA	5.5	-121.654	36.678	-0.16	5.66
B?	12 Apr 1885	Cambria	CA	5	-121.080	35.564	0.22	4.78
B?	12 Apr 1885	Fresno	CA	5	-119.771	36.748	0.10	4.90
B?	12 Apr 1885	Grangeville	CA	5	-119.708	36.344		5.00
B?	12 Apr 1885	Hanford	CA	5	-119.645	36.328	0.12	4.88
B?	12 Apr 1885	Mariposa	CA	4.5	-119.965	37.485	0.29	4.21
B?	12 Apr 1885	San Luis Obispo	CA	4.5	-120.659	35.283	0.17	4.33
B?	12 Apr 1885	Madera	CA	4	-120.060	36.961	-0.03	4.03
B?	12 Apr 1885	Selma	CA	4	-119.611	36.571	0.10	3.90
B?	12 Apr 1885	Sonora	CA	4	-120.381	37.984	-0.10	4.10
B?	12 Apr 1885	Stockton	CA	4	-121.290	37.958	0.88	3.12
B?	12 Apr 1885	Keeler	CA	3	-117.873	36.487	0.76	2.24
B?	12 Apr 1885	Sacramento	CA	3	-121.493	38.582	0.86	2.14
B?	12 Apr 1885	San Rafael	CA	3	-122.530	37.974	-0.14	3.14
A28	29 Feb 1888	Santa Rosa	CA	5.5	-122.713	38.441	0.41	5.09
A28	29 Feb 1888	San Francisco	CA	4	-122.418	37.775	1.18	2.82
A28	29 Feb 1888	Napa	CA	3	-122.284	38.297	0.32	2.68
A28	29 Feb 1888	Oakland	CA	3	-122.270	37.804	-0.14	3.14
A29	17 Sept 1888	Gilroy	CA	5	-121.567	37.006	-0.08	5.08
A29	17 Sept 1888	San Jose	CA	5	-121.894	37.339	0.15	4.85
A29	17 Sept 1888	Santa Cruz	CA	5	-122.030	36.974	-0.07	5.07
A29	17 Sept 1888	San Francisco	CA	3	-122.418	37.775	1.18	1.82
A30	18 Nov 1888	Oakland	CA	7	-122.270	37.804	-0.14	7.14
A30	18 Nov 1888	San Francisco	CA	5	-122.418	37.775	1.18	3.82
A30	18 Nov 1888	Petaluma	CA	4.5	-122.636	38.233	0.40	4.10
A30	18 Nov 1888	Martinez	CA	4	-122.133	38.019		4.00
A31	15 Apr 1889	Santa Cruz	CA	5.5	-122.030	36.974	-0.07	5.57
A31	15 Apr 1889	Mount Hamilton	CA	4.5	-121.640	37.340	-0.54	5.04
A31	15 Apr 1889	Gilroy	CA	4	-121.567	37.006	-0.08	4.08
A32	19 May 1889	Collinsville	CA	8	-121.849	38.077		8.00
A32	19 May 1889	Antioch	CA	7	-121.805	38.005	-0.36	7.36
A32	19 May 1889	Clayton	CA	7	-121.935	37.941		7.00
A32	19 May 1889	Danville	CA	7	-121.999	37.822	-0.24	7.24
A32	19 May 1889	Martinez	CA	7	-122.133	38.019		7.00
A32	19 May 1889	Oakland	CA	7	-122.270	37.804	-0.14	7.14
A32	19 May 1889	Rio Vista	CA	7	-121.690	38.156	-0.53	7.53
A32	19 May 1889	Stockton	CA	6	-121.290	37.958	0.88	5.12
A32	19 May 1889	Lodi	CA	5.5	-121.271	38.130	0.01	5.49
A32	19 May 1889	Sacramento	CA	5.5	-121.493	38.582	0.86	4.64
A32	19 May 1889	San Francisco	CA	5.5	-122.418	37.775	1.18	4.32
A32	19 May 1889	San Jose	CA	5.5	-121.894	37.339	0.15	5.35
A32	19 May 1889	Alamo	CA	5	-122.031	37.850	-0.29	5.29
A32	19 May 1889	Columbia	CA	5	-120.400	38.036	0.12	4.88

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A32	19 May 1889	Dixon	CA	5	-121.822	38.446	-0.15	5.15
A32	19 May 1889	Galt	CA	5	-121.299	38.255	-0.72	5.72
A32	19 May 1889	Hayward	CA	5	-122.080	37.669	-0.36	5.36
A32	19 May 1889	Ione	CA	5	-120.932	38.353	-0.02	5.02
A32	19 May 1889	Lockford	CA	5	-121.149	38.164		5.00
A32	19 May 1889	Mare Island	CA	5	-122.270	38.100	-1.79	6.79
A32	19 May 1889	Modesto	CA	5	-120.996	37.639	-0.39	5.39
A32	19 May 1889	Newark	CA	5	-122.039	37.530	-0.63	5.63
A32	19 May 1889	Saint Helena	CA	5	-122.469	38.505	-0.20	5.20
A32	19 May 1889	Santa Rosa	CA	5	-122.713	38.441	0.41	4.59
A32	19 May 1889	Sobranite	CA	5	-122.348	38.002		5.00
A32	19 May 1889	Sonora	CA	5	-120.381	37.984	-0.10	5.10
A32	19 May 1889	Tassajara	CA	5	-121.863	37.796		5.00
A32	19 May 1889	Vacaville	CA	5	-121.987	38.357	-0.15	5.15
A32	19 May 1889	Vallejo	CA	5	-122.256	38.104	-0.12	5.12
A32	19 May 1889	Marysville	CA	4.5	-121.590	39.146	0.54	3.96
A32	19 May 1889	Colusa	CA	4	-122.008	39.214	-0.97	4.97
A32	19 May 1889	Mount Hamilton	CA	4	-121.640	37.340	-0.54	4.54
A32	19 May 1889	Georgetown	CA	3	-120.838	38.907	0.56	2.44
A33	31 July 1889	Oakland	CA	7	-122.270	37.804	-0.14	7.14
A33	31 July 1889	San Leandro	CA	7	-122.155	37.725	-0.15	7.15
A33	31 July 1889	Emeryville	CA	6	-122.284	37.831	0.24	5.76
A33	31 July 1889	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A33	31 July 1889	El Verano	CA	5.5	-122.491	38.298	0.36	5.14
A33	31 July 1889	Berkeley	CA	5	-122.272	37.872	-0.02	5.02
A33	31 July 1889	Calistoga	CA	5	-122.579	38.579	-0.10	5.10
A33	31 July 1889	Livermore	CA	5	-121.767	37.682	0.05	4.95
A33	31 July 1889	Los Gatos	CA	5	-121.974	37.227	-0.28	5.28
A33	31 July 1889	Mount Hamilton	CA	5	-121.640	37.340	-0.54	5.54
A33	31 July 1889	Pescadero	CA	5	-122.380	37.255	-0.17	5.17
A33	31 July 1889	Redwood City	CA	5	-122.235	37.485	-0.29	5.29
A33	31 July 1889	Vallejo	CA	5	-122.256	38.104	-0.12	5.12
A33	31 July 1889	Stockton	CA	4.5	-121.290	37.958	0.88	3.62
A33	31 July 1889	Mare Island	CA	4	-122.270	38.100	-1.79	5.79
A33	31 July 1889	Napa	CA	4	-122.284	38.297	0.32	3.68
A33	31 July 1889	Santa Clara	CA	4	-121.954	37.354	-0.28	4.28
A34	24 Apr 1890	Corralitos	CA	9	-121.805	36.989	0.16	8.84
A34	24 Apr 1890	Green Valley	CA	8	-121.776	36.974		8.00
A34	24 Apr 1890	Pajaro	CA	8	-121.748	36.904		8.00
A34	24 Apr 1890	San Juan Bautista	CA	8	-121.537	36.846	-0.55	8.55
A34	24 Apr 1890	Sargents	CA	8	-121.547	36.919		8.00
A34	24 Apr 1890	Chittenden Ranch	CA	7	-121.604	36.901		7.00
A34	24 Apr 1890	College Park	CA	6	-121.899	37.342		6.00
A34	24 Apr 1890	Los Gatos	CA	6	-121.974	37.227	-0.28	6.28
A34	24 Apr 1890	Palo Alto	CA	6	-122.142	37.442	-0.72	6.72
A34	24 Apr 1890	Salinas	CA	6	-121.654	36.678	-0.16	6.16

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A34	24 Apr 1890	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A34	24 Apr 1890	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A34	24 Apr 1890	Watsonville	CA	6	-121.756	36.910	0.18	5.82
A34	24 Apr 1890	Boulder Creek	CA	5.5	-122.121	37.126	-0.47	5.97
A34	24 Apr 1890	Gilroy	CA	5.5	-121.567	37.006	-0.08	5.58
A34	24 Apr 1890	Mountain View	CA	5.5	-122.083	37.386	-0.60	6.10
A34	24 Apr 1890	Oakland	CA	5.5	-122.270	37.804	-0.14	5.64
A34	24 Apr 1890	Redwood City	CA	5.5	-122.235	37.485	-0.29	5.79
A34	24 Apr 1890	Benicia	CA	5	-122.158	38.049	-0.47	5.47
A34	24 Apr 1890	Half Moon Bay	CA	5	-122.428	37.464	-0.22	5.22
A34	24 Apr 1890	Martinez	CA	5	-122.133	38.019		5.00
A34	24 Apr 1890	Monterey	CA	5	-121.894	36.600	-0.16	5.16
A34	24 Apr 1890	San Jose	CA	5	-121.894	37.339	0.15	4.85
A34	24 Apr 1890	San Mateo	CA	5	-122.324	37.563	-0.52	5.52
A34	24 Apr 1890	San Pablo Creek	CA	5	-122.344	37.962		5.00
A34	24 Apr 1890	Santa Rosa	CA	5	-122.713	38.441	0.41	4.59
A34	24 Apr 1890	Alameda	CA	4.5	-122.241	37.765		4.50
A34	24 Apr 1890	Petaluma	CA	4.5	-122.636	38.233	0.40	4.10
A34	24 Apr 1890	Stockton	CA	4	-121.290	37.958	0.88	3.12
A35	2 Jan 1891	Alameda	CA	6	-122.241	37.765		6.00
A35	2 Jan 1891	Boulder Creek	CA	6	-122.121	37.126	-0.47	6.47
A35	2 Jan 1891	Mount Hamilton	CA	6	-121.640	37.340	-0.54	6.54
A35	2 Jan 1891	San Jose	CA	6	-121.894	37.339	0.15	5.85
A35	2 Jan 1891	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A35	2 Jan 1891	Lathrop	CA	5.5	-121.276	37.823	-0.31	5.81
A35	2 Jan 1891	Stockton	CA	5.5	-121.290	37.958	0.88	4.62
A35	2 Jan 1891	Salinas	CA	5	-121.654	36.678	-0.16	5.16
A35	2 Jan 1891	Gilroy	CA	4	-121.567	37.006	-0.08	4.08
A35	2 Jan 1891	Merced	CA	4	-120.482	37.302	0.37	3.63
A35	2 Jan 1891	Modesto	CA	4	-120.996	37.639	-0.39	4.39
A35	2 Jan 1891	Monterey	CA	4	-121.894	36.600	-0.16	4.16
A35	2 Jan 1891	Oakland	CA	4	-122.270	37.804	-0.14	4.14
A35	2 Jan 1891	Pleasanton	CA	4	-121.874	37.663	-0.42	4.42
A35	2 Jan 1891	Redwood City	CA	4	-122.235	37.485	-0.29	4.29
A35	2 Jan 1891	Vallejo	CA	4	-122.256	38.104	-0.12	4.12
A36	12 Oct 1891	Napa	CA	8	-122.284	38.297	0.32	7.68
A36	12 Oct 1891	Sonoma	CA	8	-122.457	38.292	-0.32	8.32
A36	12 Oct 1891	Boyes Hot Springs	CA	6	-122.481	38.314	-0.25	6.25
A36	12 Oct 1891	Cordelia	CA	6	-122.135	38.211		6.00
A36	12 Oct 1891	Petaluma	CA	6	-122.636	38.233	0.40	5.60
A36	12 Oct 1891	Saint Helena	CA	6	-122.469	38.505	-0.20	6.20
A36	12 Oct 1891	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A36	12 Oct 1891	Woodland	CA	6	-121.772	38.679	0.41	5.59
A36	12 Oct 1891	Yountville	CA	6	-122.360	38.402	-0.32	6.32
A36	12 Oct 1891	Healdsburg	CA	5.5	-122.868	38.611	0.67	4.83
A36	12 Oct 1891	San Rafael	CA	5.5	-122.530	37.974	-0.14	5.64

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A36	12 Oct 1891	Vallejo	CA	5.5	-122.256	38.104	-0.12	5.62
A36	12 Oct 1891	Mare Island	CA	5	-122.270	38.100		5.00
A36	12 Oct 1891	Martinez	CA	5	-122.133	38.019		5.00
A36	12 Oct 1891	Newark	CA	5	-122.039	37.530	-0.63	5.63
A36	12 Oct 1891	Oakland	CA	5	-122.270	37.804	-0.14	5.14
A36	12 Oct 1891	Pope Valley	CA	5	-122.427	38.615	0.53	4.47
A36	12 Oct 1891	Salinas	CA	5	-121.654	36.678	-0.16	5.16
A36	12 Oct 1891	Bloomfield	CA	4.5	-122.850	38.314		4.50
A36	12 Oct 1891	Dixon	CA	4.5	-121.822	38.446	-0.15	4.65
A36	12 Oct 1891	Irvington	CA	4.5	-121.950	37.520		4.50
A36	12 Oct 1891	Pleasanton	CA	4.5	-121.874	37.663	-0.42	4.92
A36	12 Oct 1891	Redwood City	CA	4.5	-122.235	37.485	-0.29	4.79
A36	12 Oct 1891	Suisun	CA	4.5	-122.000	38.240	0.33	4.17
A36	12 Oct 1891	Colusa	CA	4	-122.008	39.214	-0.97	4.97
A36	12 Oct 1891	Sacramento	CA	4	-121.493	38.582	0.86	3.14
A36	12 Oct 1891	Folsom	CA	3	-121.175	38.678	-0.82	3.82
A37	19 Apr 1892	Allendale	CA	9	-121.942	38.445		9.00
A37	19 Apr 1892	Tremont	CA	9	-121.780	38.500		9.00
A37	19 Apr 1892	Binghamton	CA	8	-121.822	38.351		8.00
A37	19 Apr 1892	Brown'S Valley	CA	8	-121.408	39.242	-0.36	8.36
A37	19 Apr 1892	Capay	CA	8	-122.047	38.708		8.00
A37	19 Apr 1892	Dixon	CA	8	-121.822	38.446	-0.15	8.15
A37	19 Apr 1892	Elmira	CA	8	-121.909	38.348	-0.42	8.42
A37	19 Apr 1892	Esparto	CA	8	-122.016	38.692	-0.09	8.09
A37	19 Apr 1892	Fairfield	CA	8	-122.039	38.249	-0.14	8.14
A37	19 Apr 1892	Vacaville	CA	8	-121.987	38.357	-0.15	8.15
A37	19 Apr 1892	Winters	CA	8	-121.970	38.525	-0.70	8.70
A37	19 Apr 1892	Zamora	CA	7.5	-121.881	38.797		7.50
A37	19 Apr 1892	Batavia	CA	7	-121.859	38.406		7.00
A37	19 Apr 1892	Benecia	CA	7	-122.158	38.049	-0.47	7.47
A37	19 Apr 1892	Dutton'S Landing	CA	7	-121.889	38.105		7.00
A37	19 Apr 1892	Madison	CA	7	-121.967	38.679	-0.16	7.16
A37	19 Apr 1892	Maine Prairie	CA	7	-121.758	38.308		7.00
A37	19 Apr 1892	Martinez	CA	7	-122.133	38.019		7.00
A37	19 Apr 1892	Roe Island Light House	CA	7	-122.034	38.073		7.00
A37	19 Apr 1892	Sacramento	CA	7	-121.493	38.582	0.86	6.14
A37	19 Apr 1892	San Francisco	CA	7	-122.418	37.775	1.18	5.82
A37	19 Apr 1892	Santa Rosa	CA	7	-122.713	38.441	0.41	6.59
A37	19 Apr 1892	Williams	CA	7	-122.148	39.155	-0.39	7.39
A37	19 Apr 1892	Woodland	CA	7	-121.772	38.679	0.41	6.59
A37	19 Apr 1892	Auburn	CA	6	-121.076	38.897	-0.19	6.19
A37	19 Apr 1892	Davis	CA	6	-121.739	38.545	-0.63	6.63
A37	19 Apr 1892	Elk Grove	CA	6	-121.371	38.409	-0.23	6.23
A37	19 Apr 1892	Grass Valley	CA	6	-121.060	39.219	-0.70	6.70
A37	19 Apr 1892	Healdsburg	CA	6	-122.868	38.611	0.67	5.33
A37	19 Apr 1892	Knights Landing	CA	6	-121.717	38.800	0.52	5.48

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A37	19 Apr 1892	Mare Island	CA	6	-122.270	38.100		6.00
A37	19 Apr 1892	Marysville	CA	6	-121.590	39.146	0.54	5.46
A37	19 Apr 1892	Petaluma	CA	6	-122.636	38.233	0.40	5.60
A37	19 Apr 1892	Saint Helena	CA	6	-122.469	38.505	-0.20	6.20
A37	19 Apr 1892	Suisun	CA	6	-122.000	38.240	0.33	5.67
A37	19 Apr 1892	Sycamore	CA	6	-121.941	39.134		6.00
A37	19 Apr 1892	Yolo	CA	6	-121.807	38.732	-0.15	6.15
A37	19 Apr 1892	Yuba City	CA	6	-121.616	39.141	0.54	5.46
A37	19 Apr 1892	Cordelia	CA	5.5	-122.135	38.211		5.50
A37	19 Apr 1892	Emeryville	CA	5.5	-122.284	37.831	0.24	5.26
A37	19 Apr 1892	Oakland	CA	5.5	-122.270	37.804	-0.14	5.64
A37	19 Apr 1892	Orange Vale	CA	5.5	-121.225	38.679	-1.06	6.56
A37	19 Apr 1892	Rumsey	CA	5.5	-122.236	38.888	0.08	5.42
A37	19 Apr 1892	San Rafael	CA	5.5	-122.530	37.974	-0.14	5.64
A37	19 Apr 1892	Antioch	CA	5	-121.805	38.005	-0.36	5.36
A37	19 Apr 1892	Biggs	CA	5	-121.712	39.413	-0.39	5.39
A37	19 Apr 1892	Bonita Point Light House	CA	5	-122.528	37.816		5.00
A37	19 Apr 1892	Brownsville	CA	5	-121.268	39.473	-0.22	5.22
A37	19 Apr 1892	Calistoga	CA	5	-122.579	38.579	-0.10	5.10
A37	19 Apr 1892	Carson City	NV	5	-119.766	39.164	1.92	3.08
A37	19 Apr 1892	Clarksville	CA	5	-121.051	38.655		5.00
A37	19 Apr 1892	Colusa	CA	5	-122.008	39.214	-0.97	5.97
A37	19 Apr 1892	Folsom	CA	5	-121.175	38.678	-0.82	5.82
A37	19 Apr 1892	Greenville	CA	5	-120.950	40.140		5.00
A37	19 Apr 1892	Jackson	CA	5	-120.773	38.349	0.01	4.99
A37	19 Apr 1892	Lodi	CA	5	-121.271	38.130	0.01	4.99
A37	19 Apr 1892	Loomis	CA	5	-121.192	38.821	-0.54	5.54
A37	19 Apr 1892	Merced	CA	5	-120.482	37.302	0.37	4.63
A37	19 Apr 1892	Mokelumne Hill	CA	5	-120.705	38.301	-0.65	5.65
A37	19 Apr 1892	Monticello	CA	5	-122.206	38.578		5.00
A37	19 Apr 1892	Mount Hamilton	CA	5	-121.640	37.340	-0.54	5.54
A37	19 Apr 1892	Nevada City	CA	5	-121.015	39.262	-0.12	5.12
A37	19 Apr 1892	Palermo	CA	5	-121.537	39.436	0.33	4.67
A37	19 Apr 1892	Placerville	CA	5	-120.798	38.730	0.06	4.94
A37	19 Apr 1892	Pope Valley	CA	5	-122.427	38.615	0.53	4.47
A37	19 Apr 1892	Quincy	CA	5	-120.946	39.937	0.73	4.27
A37	19 Apr 1892	Rio Vista	CA	5	-121.690	38.156	-0.53	5.53
A37	19 Apr 1892	Rutherford	CA	5	-122.421	38.459	1.19	3.81
A37	19 Apr 1892	San Jose	CA	5	-121.894	37.339	0.15	4.85
A37	19 Apr 1892	San Leandro	CA	5	-122.155	37.725	-0.15	5.15
A37	19 Apr 1892	Sierraville	CA	5	-120.366	39.590		5.00
A37	19 Apr 1892	Sonoma	CA	5	-122.457	38.292	-0.32	5.32
A37	19 Apr 1892	Stockton	CA	5	-121.290	37.958	0.88	4.12
A37	19 Apr 1892	Sutter Creek	CA	5	-120.801	38.393	0.07	4.93
A37	19 Apr 1892	Tracy	CA	5	-121.424	37.740	-0.42	5.42
A37	19 Apr 1892	Truckee	CA	5	-120.182	39.328	0.89	4.11

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A37	19 Apr 1892	Vallejo	CA	5	-122.256	38.104	-0.12	5.12
A37	19 Apr 1892	Virginia City	NV	5	-119.649	39.310	1.37	3.63
A37	19 Apr 1892	Wheatland	CA	5	-121.422	39.010	-0.01	5.01
A37	19 Apr 1892	Alameda	CA	4.5	-122.241	37.765		4.50
A37	19 Apr 1892	Lathrop	CA	4.5	-121.276	37.823	-0.31	4.81
A37	19 Apr 1892	Milton	CA	4.5	-120.851	38.032		4.50
A37	19 Apr 1892	Red Bluff	CA	4.5	-122.235	40.179	0.36	4.14
A37	19 Apr 1892	San Andreas	CA	4.5	-120.679	38.196	-0.65	5.15
A37	19 Apr 1892	Fort Point Light House	CA	4	-122.476	37.811		4.00
A37	19 Apr 1892	Fresno	CA	4	-119.771	36.748	0.10	3.90
A37	19 Apr 1892	Ione	CA	4	-120.932	38.353	-0.02	4.02
A37	19 Apr 1892	Lime Point Light House	CA	4	-122.478	37.826		4.00
A37	19 Apr 1892	Modesto	CA	4	-120.996	37.639	-0.39	4.39
A37	19 Apr 1892	Bridgeport	CA	3	-119.230	38.256		3.00
A38	21 Apr 1892	Esparto	CA	9	-122.016	38.692	-0.09	9.09
A38	21 Apr 1892	Acampo	CA	8	-121.278	38.175	-0.62	8.62
A38	21 Apr 1892	Capay	CA	8	-122.047	38.708		8.00
A38	21 Apr 1892	Dixon	CA	8	-121.822	38.446	-0.15	8.15
A38	21 Apr 1892	Vacaville	CA	8	-121.987	38.357	-0.15	8.15
A38	21 Apr 1892	Winters	CA	8	-121.970	38.525	-0.70	8.70
A38	21 Apr 1892	Davis	CA	7	-121.739	38.545	-0.63	7.63
A38	21 Apr 1892	Fairfield	CA	7	-122.039	38.249	-0.14	7.14
A38	21 Apr 1892	Grass Valley	CA	7	-121.060	39.219	-0.70	7.70
A38	21 Apr 1892	Madison	CA	7	-121.967	38.679	-0.16	7.16
A38	21 Apr 1892	Sacramento	CA	7	-121.493	38.582	0.86	6.14
A38	21 Apr 1892	Woodland	CA	7	-121.772	38.679	0.41	6.59
A38	21 Apr 1892	Yolo	CA	7	-121.807	38.732	-0.15	7.15
A38	21 Apr 1892	Yolo	CA	7	-121.807	38.732	-0.15	7.15
A38	21 Apr 1892	Suisun	CA	6.5	-122.000	38.240	0.33	6.17
A38	21 Apr 1892	Biggs	CA	6	-121.712	39.413	-0.39	6.39
A38	21 Apr 1892	Colusa	CA	6	-122.008	39.214	-0.97	6.97
A38	21 Apr 1892	Marysville	CA	6	-121.590	39.146	0.54	5.46
A38	21 Apr 1892	Napa	CA	6	-122.284	38.297	0.32	5.68
A38	21 Apr 1892	Petaluma	CA	6	-122.636	38.233	0.40	5.60
A38	21 Apr 1892	Santa Rosa	CA	6	-122.713	38.441	0.41	5.59
A38	21 Apr 1892	Sonoma	CA	6	-122.457	38.292	-0.32	6.32
A38	21 Apr 1892	Willows	CA	6	-122.193	39.524	-0.54	6.54
A38	21 Apr 1892	Dunnigan	CA	5.5	-121.969	38.885	0.51	4.99
A38	21 Apr 1892	Knights Landing	CA	5.5	-121.717	38.800	0.52	4.98
A38	21 Apr 1892	Pope Valley	CA	5.5	-122.427	38.615	0.53	4.97
A38	21 Apr 1892	Saint Helena	CA	5.5	-122.469	38.505	-0.20	5.70
A38	21 Apr 1892	Williams	CA	5.5	-122.148	39.155	-0.39	5.89
A38	21 Apr 1892	Yuba City	CA	5.5	-121.616	39.141	0.54	4.96
A38	21 Apr 1892	Chico	CA	5	-121.836	39.729	-0.47	5.47
A38	21 Apr 1892	Elk Grove	CA	5	-121.371	38.409	-0.23	5.23
A38	21 Apr 1892	Georgetown	CA	5	-120.838	38.907	0.56	4.44

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A38	21 Apr 1892	Gridley	CA	5	-121.693	39.364	-1.37	6.37
A38	21 Apr 1892	Merced	CA	5	-120.482	37.302	0.37	4.63
A38	21 Apr 1892	Nevada City	CA	5	-121.015	39.262	-0.12	5.12
A38	21 Apr 1892	Oakland	CA	5	-122.270	37.804	-0.14	5.14
A38	21 Apr 1892	Red Bluff	CA	5	-122.235	40.179	0.36	4.64
A38	21 Apr 1892	San Francisco	CA	5	-122.418	37.775	1.18	3.82
A38	21 Apr 1892	San Rafael	CA	5	-122.530	37.974	-0.14	5.14
A38	21 Apr 1892	Stockton	CA	5	-121.290	37.958	0.88	4.12
A38	21 Apr 1892	Benecia	CA	4	-122.158	38.049	-0.47	4.47
A38	21 Apr 1892	Folsom	CA	4	-121.175	38.678	-0.82	4.82
A38	21 Apr 1892	Fresno	CA	4	-119.771	36.748	0.10	3.90
A38	21 Apr 1892	San Andreas	CA	4	-120.679	38.196	-0.65	4.65
A38	21 Apr 1892	San Jose	CA	3	-121.894	37.339	0.15	2.85
A39	30 Apr 1892	Davis	CA	6	-121.739	38.545	-0.63	6.63
A39	30 Apr 1892	Sacramento	CA	6	-121.493	38.582	0.86	5.14
A39	30 Apr 1892	Rio Vista	CA	5.5	-121.690	38.156	-0.53	6.03
A39	30 Apr 1892	Santa Rosa	CA	5.5	-122.713	38.441	0.41	5.09
A39	30 Apr 1892	Winters	CA	5.5	-121.970	38.525	-0.70	6.20
A39	30 Apr 1892	Woodland	CA	5.5	-121.772	38.679	0.41	5.09
A39	30 Apr 1892	Auburn	CA	5	-121.076	38.897	-0.19	5.19
A39	30 Apr 1892	Fairfield	CA	5	-122.039	38.249	-0.14	5.14
A39	30 Apr 1892	Grass Valley	CA	4	-121.060	39.219	-0.70	4.70
A39	30 Apr 1892	Oakland	CA	4	-122.270	37.804	-0.14	4.14
A39	30 Apr 1892	San Francisco	CA	4	-122.418	37.775	1.18	2.82
A39	30 Apr 1892	Marysville	CA	3	-121.590	39.146	0.54	2.46
A39	30 Apr 1892	San Jose	CA	3	-121.894	37.339	0.15	2.85
A39	30 Apr 1892	Stockton	CA	3	-121.290	37.958	0.88	2.12
A40	13 Nov 1892	Hollister	CA	7	-121.401	36.853	0.11	6.89
A40	13 Nov 1892	Monterey	CA	6	-121.894	36.600	-0.16	6.16
A40	13 Nov 1892	Salinas	CA	6	-121.654	36.678	-0.16	6.16
A40	13 Nov 1892	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A40	13 Nov 1892	Watsonville	CA	5.5	-121.756	36.910	0.18	5.32
A40	13 Nov 1892	Gilroy	CA	5	-121.567	37.006	-0.08	5.08
A40	13 Nov 1892	Green Valley	CA	5	-121.776	36.974		5.00
A40	13 Nov 1892	Martinez	CA	5	-122.133	38.019		5.00
A40	13 Nov 1892	Oakland	CA	5	-122.270	37.804	-0.14	5.14
A40	13 Nov 1892	San Francisco	CA	5	-122.418	37.775	1.18	3.82
A40	13 Nov 1892	San Jose	CA	5	-121.894	37.339	0.15	4.85
A41	30 June 1893	San Rafael	CA	5.5	-122.530	37.974	-0.14	5.64
A41	30 June 1893	Vallejo	CA	5.5	-122.256	38.104	-0.12	5.62
A41	30 June 1893	Martinez	CA	4	-122.133	38.019		4.00
A42	9 Aug 1893	Santa Rosa	CA	7	-122.713	38.441	0.41	6.59
A42	9 Aug 1893	Petaluma	CA	5.5	-122.636	38.233	0.40	5.10
A42	9 Aug 1893	Napa	CA	5	-122.284	38.297	0.32	4.68
A42	9 Aug 1893	Oakland	CA	5	-122.270	37.804	-0.14	5.14
A42	9 Aug 1893	Saint Helena	CA	5	-122.469	38.505	-0.20	5.20

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A42	9 Aug 1893	Sonoma	CA	5	-122.457	38.292	-0.32	5.32
A42	9 Aug 1893	Martinez	CA	4	-122.133	38.019		4.00
A42	9 Aug 1893	Suisun	CA	4	-122.000	38.240	0.33	3.67
A42	9 Aug 1893	Vacaville	CA	4	-121.987	38.357	-0.15	4.15
A43	20 June 1897	Gilroy	CA	8	-121.567	37.006	-0.08	8.08
A43	20 June 1897	Mission San Carlos	CA	8	-121.919	36.543		8.00
A43	20 June 1897	San Felipe	CA	8	-121.418	36.971		8.00
A43	20 June 1897	Hollister	CA	7	-121.401	36.853	0.11	6.89
A43	20 June 1897	Salinas	CA	7	-121.654	36.678	-0.16	7.16
A43	20 June 1897	San Juan Bautista	CA	7	-121.537	36.846	-0.55	7.55
A43	20 June 1897	Santa Clara	CA	7	-121.954	37.354	-0.28	7.28
A43	20 June 1897	Watsonville	CA	7	-121.756	36.910	0.18	6.82
A43	20 June 1897	Gonzales	CA	6.5	-121.443	36.507	-1.02	7.52
A43	20 June 1897	Del Monte	CA	6	-121.868	36.601		6.00
A43	20 June 1897	Monterey	CA	6	-121.894	36.600	-0.16	6.16
A43	20 June 1897	Oakland	CA	6	-122.270	37.804	-0.14	6.14
A43	20 June 1897	Redwood City	CA	6	-122.235	37.485	-0.29	6.29
A43	20 June 1897	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A43	20 June 1897	San Jose	CA	6	-121.894	37.339	0.15	5.85
A43	20 June 1897	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A43	20 June 1897	Los Gatos	CA	5.5	-121.974	37.227	-0.28	5.78
A43	20 June 1897	Modesto	CA	5.5	-120.996	37.639	-0.39	5.89
A43	20 June 1897	Fresno	CA	5	-119.771	36.748	0.10	4.90
A43	20 June 1897	Jamesburg	CA	5	-121.589	36.370	-0.54	5.54
A43	20 June 1897	Merced	CA	5	-120.482	37.302	0.37	4.63
A43	20 June 1897	Mount Hamilton	CA	5	-121.640	37.340	-0.54	5.54
A43	20 June 1897	Pacific Grove	CA	5	-121.916	36.618	0.20	4.80
A43	20 June 1897	Sacramento	CA	5	-121.493	38.582	0.86	4.14
A43	20 June 1897	Santa Rita	CA	5	-121.655	36.724		5.00
A43	20 June 1897	Antioch	CA	4.5	-121.805	38.005	-0.36	4.86
A43	20 June 1897	King City	CA	4.5	-121.125	36.213	-0.43	4.93
A43	20 June 1897	Pleasanton	CA	4.5	-121.874	37.663	-0.42	4.92
A43	20 June 1897	San Lucas	CA	4.5	-121.019	36.129	-0.41	4.91
A43	20 June 1897	Soledad	CA	4.5	-121.325	36.425	-0.16	4.66
A43	20 June 1897	Tres Pinos	CA	4.5	-121.320	36.790	-0.95	5.45
A43	20 June 1897	San Luis Obispo	CA	4	-120.659	35.283	0.17	3.83
A43	20 June 1897	Stockton	CA	4	-121.290	37.958	0.88	3.12
A43	20 June 1897	Visalia	CA	4	-119.291	36.330	0.27	3.73
A43	20 June 1897	Jackson	CA	3	-120.773	38.349	0.01	2.99
A43	20 June 1897	Napa	CA	3	-122.284	38.297	0.32	2.68
A43	20 June 1897	Santa Rosa	CA	3	-122.713	38.441	0.41	2.59
A43	20 June 1897	Selma	CA	3	-119.611	36.571	0.10	2.90
A43	20 June 1897	Tulare	CA	3	-119.346	36.208	-0.02	3.02
A44	31 Mar 1898	Mare Island	CA	9	-122.270	38.100		9.00
A44	31 Mar 1898	Lakeville	CA	8	-122.546	38.199		8.00
A44	31 Mar 1898	Port Costa	CA	8	-122.182	38.046	-0.33	8.33

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A44	31 Mar 1898	Vallejo	CA	8	-122.256	38.104	-0.12	8.12
A44	31 Mar 1898	Petaluma	CA	8	-122.636	38.233	0.40	7.60
A44	31 Mar 1898	Alameda	CA	7	-122.241	37.765		7.00
A44	31 Mar 1898	Alamo	CA	7	-122.031	37.850	-0.29	7.29
A44	31 Mar 1898	Benicia	CA	7	-122.158	38.049	-0.47	7.47
A44	31 Mar 1898	Bolinas	CA	7	-122.685	37.909	0.39	6.61
A44	31 Mar 1898	Crockett	CA	7	-122.212	38.053	-0.62	7.62
A44	31 Mar 1898	Danville	CA	7	-121.999	37.822	-0.24	7.24
A44	31 Mar 1898	Glen Ellen	CA	7	-122.523	38.364	0.38	6.62
A44	31 Mar 1898	Martinez	CA	7	-122.133	38.019		7.00
A44	31 Mar 1898	Napa	CA	7	-122.284	38.297	0.32	6.68
A44	31 Mar 1898	Oakland	CA	7	-122.270	37.804	-0.14	7.14
A44	31 Mar 1898	Pinole	CA	7	-122.298	38.004	0.36	6.64
A44	31 Mar 1898	San Francisco	CA	7	-122.418	37.775	1.18	5.82
A44	31 Mar 1898	San Rafael	CA	7	-122.530	37.974	-0.14	7.14
A44	31 Mar 1898	Santa Rosa	CA	7	-122.713	38.441	0.41	6.59
A44	31 Mar 1898	Schellville	CA	8	-122.439	38.246		8.00
A44	31 Mar 1898	Sonoma	CA	7	-122.457	38.292	-0.32	7.32
A44	31 Mar 1898	St Helena	CA	7	-122.469	38.505	-0.20	7.20
A44	31 Mar 1898	Walnut Creek	CA	7	-122.064	37.906	-0.03	7.03
A44	31 Mar 1898	Black Point	CA	6	-122.504	38.110		6.00
A44	31 Mar 1898	Ignacio	CA	6	-122.538	38.070		6.00
A44	31 Mar 1898	Novato	CA	6	-122.569	38.108	0.73	5.27
A44	31 Mar 1898	San Jose	CA	6	-121.894	37.339	0.15	5.85
A44	31 Mar 1898	San Pablo	CA	6	-122.344	37.962	0.47	5.53
A44	31 Mar 1898	San Quentin	CA	6	-122.484	37.941	-0.83	6.83
A44	31 Mar 1898	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A44	31 Mar 1898	Sebastopol	CA	6	-122.823	38.402	0.03	5.97
A44	31 Mar 1898	Bloomfield	CA	5.5	-122.850	38.314		5.50
A44	31 Mar 1898	Calistoga	CA	5.5	-122.579	38.579	-0.10	5.60
A44	31 Mar 1898	Giant	CA	5.5	-122.356	37.991		5.50
A44	31 Mar 1898	Mill Valley	CA	5.5	-122.544	37.906	-0.13	5.63
A44	31 Mar 1898	Vacaville	CA	5	-121.987	38.357	-0.15	5.15
A44	31 Mar 1898	Antioch	CA	5	-121.805	38.005	-0.36	5.36
A44	31 Mar 1898	Ben Lomond	CA	5	-122.085	37.089	-1.15	6.15
A44	31 Mar 1898	Berkeley	CA	5	-122.272	37.872	-0.02	5.02
A44	31 Mar 1898	Boulder Creek	CA	5	-122.121	37.126	-0.47	5.47
A44	31 Mar 1898	Centerville	CA	5	-122.010	37.560		5.00
A44	31 Mar 1898	Dixon	CA	5	-121.822	38.446	-0.15	5.15
A44	31 Mar 1898	Galt	CA	5	-121.299	38.255	-0.72	5.72
A44	31 Mar 1898	Irvington	CA	5	-121.950	37.520		5.00
A44	31 Mar 1898	Maine Prairie	CA	5	-121.758	38.308		5.00
A44	31 Mar 1898	Mount Hamilton	CA	5	-121.640	37.340	-0.54	5.54
A44	31 Mar 1898	Mountain View	CA	5	-122.083	37.386	-0.60	5.60
A44	31 Mar 1898	Pleasanton	CA	5	-121.874	37.663	-0.42	5.42
A44	31 Mar 1898	Rio Vista	CA	5	-121.690	38.156	-0.53	5.53

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A44	31 Mar 1898	Sacramento	CA	5	-121.493	38.582	0.86	4.14
A44	31 Mar 1898	San Mateo	CA	5	-122.324	37.563	-0.52	5.52
A44	31 Mar 1898	Stockton	CA	5	-121.290	37.958	0.88	4.12
A44	31 Mar 1898	Suisun	CA	5	-122.000	38.240		5.00
A44	31 Mar 1898	Ukiah	CA	5	-123.207	39.150	1.19	3.81
A44	31 Mar 1898	Williams	CA	5	-122.148	39.155	-0.39	5.39
A44	31 Mar 1898	Winters	CA	5	-121.970	38.525	-0.70	5.70
A44	31 Mar 1898	Woodland	CA	5	-121.772	38.679	0.41	4.59
A44	31 Mar 1898	Chico	CA	4.5	-121.836	39.729	-0.47	4.97
A44	31 Mar 1898	Colfax	CA	4.5	-120.952	39.101	-1.39	5.89
A44	31 Mar 1898	Grass Valley	CA	4.5	-121.060	39.219	-0.70	5.20
A44	31 Mar 1898	Lodi	CA	4.5	-121.271	38.130	0.01	4.49
A44	31 Mar 1898	Marysville	CA	4.5	-121.590	39.146	0.54	3.96
A44	31 Mar 1898	Modesto	CA	4.5	-120.996	37.639	-0.39	4.89
A44	31 Mar 1898	Napa Junction	CA	4.5	-122.250	38.188		4.50
A44	31 Mar 1898	Auburn	CA	4	-121.076	38.897	-0.19	4.19
A44	31 Mar 1898	Carson City	CA	4	-119.766	39.164	1.92	2.08
A44	31 Mar 1898	Colusa	CA	4	-122.008	39.214	-0.97	4.97
A44	31 Mar 1898	Newark	CA	4	-122.039	37.530	-0.63	4.63
A44	31 Mar 1898	Point Arena	CA	4	-123.692	38.909	1.23	2.77
A44	31 Mar 1898	Davis	CA	5	-121.739	38.545	-0.63	5.63
A44	31 Mar 1898	Alhambra Valley	CA	7	-122.130	38.012		7.00
A44	31 Mar 1898	Alexander Valley	CA	5	-122.770	38.613		5.00
A44	31 Mar 1898	Tubbs Island	CA	8.5	-122.430	38.133		8.50
A44	31 Mar 1898	Lytton Springs	CA	4.5	-122.871	38.659		4.50
A44	31 Mar 1898	Greenwood Estate	CA	8	-122.450	38.140		8.00
B5	15 Apr 1898	Greenwood	CA	9	-123.718	39.135		9.00
B5	15 Apr 1898	Noyo	CA	9	-123.802	39.428		9.00
B5	15 Apr 1898	Little River	CA	8	-123.787	39.271		8.00
B5	15 Apr 1898	Mendocino	CA	8	-123.798	39.308		8.00
B5	15 Apr 1898	Comptche	CA	7	-123.590	39.265		7.00
B5	15 Apr 1898	Fort Bragg	CA	7	-123.804	39.446		7.00
B5	15 Apr 1898	Pine Grove	CA	7	-123.813	39.349		7.00
B5	15 Apr 1898	Ukiah	CA	7	-123.207	39.150	1.19	5.81
B5	15 Apr 1898	Albion	CA	6	-123.768	39.224		6.00
B5	15 Apr 1898	Point Arena	CA	6	-123.692	38.909		6.00
B5	15 Apr 1898	Berkeley	CA	5	-122.272	37.872	-0.02	5.02
B5	15 Apr 1898	Eureka	CA	5	-124.163	40.802		5.00
B5	15 Apr 1898	Red Bluff	CA	5	-122.235	40.179	0.36	4.64
B5	15 Apr 1898	San Francisco	CA	5	-122.418	37.775	1.18	3.82
B5	15 Apr 1898	Santa Rosa	CA	5	-122.713	38.441	0.41	4.59
B5	15 Apr 1898	Willows	CA	5	-122.193	39.524	-0.54	5.54
B5	15 Apr 1898	Lytton Springs	CA	4.5	-122.871	38.659		4.50
B5	15 Apr 1898	Oakland	CA	4.5	-122.270	37.804	-0.14	4.64
B5	15 Apr 1898	Port Costa	CA	4.5	-122.182	38.046	-0.33	4.83
A45	30 Apr 1899	Green Valley	CA	7	-121.776	36.974		7.00

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A45	30 Apr 1899	Watsonville	CA	7	-121.756	36.910	0.18	6.82
A45	30 Apr 1899	Corralitos	CA	6	-121.805	36.989	0.16	5.84
A45	30 Apr 1899	Hollister	CA	6	-121.401	36.853	0.11	5.89
A45	30 Apr 1899	Salinas	CA	6	-121.654	36.678	-0.16	6.16
A45	30 Apr 1899	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A45	30 Apr 1899	Decoto	CA	5	-122.020	37.600		5.00
A45	30 Apr 1899	Los Gatos	CA	5	-121.974	37.227	-0.28	5.28
A45	30 Apr 1899	Martinez	CA	5	-122.133	38.019		5.00
A45	30 Apr 1899	Petaluma	CA	5	-122.636	38.233	0.40	4.60
A45	30 Apr 1899	San Francisco	CA	5	-122.418	37.775	1.18	3.82
A45	30 Apr 1899	Modesto	CA	4.5	-120.996	37.639	-0.39	4.89
A45	30 Apr 1899	San Jose	CA	4	-121.894	37.339	0.15	3.85
A45	30 Apr 1899	Napa	CA	3	-122.284	38.297	0.32	2.68
A45	30 Apr 1899	Stockton	CA	3	-121.290	37.958	0.88	2.12
A46	2 June 1899	Oakland	CA	7	-122.270	37.804	-0.14	7.14
A46	2 June 1899	San Francisco	CA	7	-122.418	37.775	1.18	5.82
A46	2 June 1899	San Jose	CA	5	-121.894	37.339	0.15	4.85
A46	2 June 1899	San Rafael	CA	5	-122.530	37.974	-0.14	5.14
A46	2 June 1899	Santa Rosa	CA	5	-122.713	38.441	0.41	4.59
A46	2 June 1899	Hayward	CA	4.5	-122.080	37.669	-0.36	4.86
A46	2 June 1899	Sacramento	CA	4	-121.493	38.582	0.86	3.14
A46	2 June 1899	Stockton	CA	4	-121.290	37.958	0.88	3.12
A46	2 June 1899	Modesto	CA	3	-120.996	37.639	-0.39	3.39
A47	6 July 1899	Watsonville	CA	7	-121.756	36.910	0.18	6.82
A47	6 July 1899	Modesto	CA	6	-120.996	37.639	-0.39	6.39
A47	6 July 1899	Salinas	CA	6	-121.654	36.678	-0.16	6.16
A47	6 July 1899	Irvington	CA	5.5	-121.950	37.520		5.50
A47	6 July 1899	Gilroy	CA	5	-121.567	37.006	-0.08	5.08
A47	6 July 1899	King City	CA	5	-121.125	36.213	-0.43	5.43
A47	6 July 1899	Monterey	CA	5	-121.894	36.600	-0.16	5.16
A47	6 July 1899	San Jose	CA	5	-121.894	37.339	0.15	4.85
A47	6 July 1899	Del Monte	CA	4.5	-121.868	36.601		4.50
A47	6 July 1899	San Luis Obispo	CA	4	-120.659	35.283	0.17	3.83
A47	6 July 1899	San Francisco	CA	3	-122.418	37.775	1.18	1.82
A48	13 Oct 1899	Santa Rosa	CA	7	-122.713	38.441	0.41	6.59
A48	13 Oct 1899	Petaluma	CA	3	-122.636	38.233	0.40	2.60
A49	19 May 1902	Elmira	CA	7	-121.909	38.348	-0.42	7.42
A49	19 May 1902	Suisun	CA	7	-122.000	38.240		7.00
A49	19 May 1902	Vacaville	CA	7	-121.987	38.357	-0.15	7.15
A49	19 May 1902	Nevada City	CA	6	-121.015	39.262	-0.12	6.12
A49	19 May 1902	Cordelia	CA	5.5	-122.135	38.211		5.50
A49	19 May 1902	Davis	CA	5.5	-121.739	38.545	-0.63	6.13
A49	19 May 1902	Martinez	CA	5.5	-122.133	38.019		5.50
A49	19 May 1902	Sacramento	CA	5.5	-121.493	38.582	0.86	4.64
A49	19 May 1902	Vallejo	CA	5.5	-122.256	38.104	-0.12	5.62
A49	19 May 1902	Woodland	CA	5.5	-121.772	38.679	0.41	5.09

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A49	19 May 1902	Antioch	CA	5	-121.805	38.005	-0.36	5.36
A49	19 May 1902	Dixon	CA	5	-121.822	38.446	-0.15	5.15
A49	19 May 1902	Ione	CA	5	-120.932	38.353	-0.02	5.02
A49	19 May 1902	Ryer Island	CA	5	-121.604	38.238		5.00
A49	19 May 1902	Santa Rosa	CA	5	-122.713	38.441	0.41	4.59
A49	19 May 1902	Colusa	CA	4	-122.008	39.214	-0.97	4.97
A49	19 May 1902	Grass Valley	CA	4	-121.060	39.219	-0.70	4.70
A49	19 May 1902	San Francisco	CA	4	-122.418	37.775	1.18	2.82
A50	11 June 1903	Hayward	CA	7	-122.080	37.669	-0.36	7.36
A50	11 June 1903	Livermore	CA	7	-121.767	37.682	0.05	6.95
A50	11 June 1903	San Jose	CA	7	-121.894	37.339	0.15	6.85
A50	11 June 1903	Santa Clara	CA	7	-121.954	37.354	-0.28	7.28
A50	11 June 1903	Santa Cruz	CA	7	-122.030	36.974	-0.07	7.07
A50	11 June 1903	Watsonville	CA	7	-121.756	36.910	0.18	6.82
A50	11 June 1903	Salinas	CA	6	-121.654	36.678	-0.16	6.16
A50	11 June 1903	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A50	11 June 1903	Alameda	CA	5.5	-122.241	37.765		5.50
A50	11 June 1903	Corralitos	CA	5.5	-121.805	36.989	0.16	5.34
A50	11 June 1903	Freedom	CA	5.5	-121.772	36.935	-0.84	6.34
A50	11 June 1903	Oakland	CA	5.5	-122.270	37.804	-0.14	5.64
A50	11 June 1903	Vallejo	CA	5.5	-122.256	38.104	-0.12	5.62
A50	11 June 1903	Brentwood	CA	5	-121.695	37.932	-0.37	5.37
A50	11 June 1903	Martinez	CA	5	-122.133	38.019		5.00
A50	11 June 1903	Palo Alto	CA	5	-122.142	37.442	-0.72	5.72
A50	11 June 1903	Petaluma	CA	5	-122.636	38.233	0.40	4.60
A50	11 June 1903	Redwood City	CA	5	-122.235	37.485	-0.29	5.29
A50	11 June 1903	San Gregorio	CA	5	-122.386	37.327	-0.05	5.05
A50	11 June 1903	San Juan Bautista	CA	5	-121.537	36.846	-0.55	5.55
A50	11 June 1903	San Mateo	CA	5	-122.324	37.563	-0.52	5.52
A50	11 June 1903	Stockton	CA	5	-121.290	37.958	0.88	4.12
A50	11 June 1903	Napa	CA	4	-122.284	38.297	0.32	3.68
A50	11 June 1903	Sacramento	CA	4	-121.493	38.582	0.86	3.14
A50	11 June 1903	Dixon	CA	3.5	-121.822	38.446	-0.15	3.65
A50	11 June 1903	Woodland	CA	3	-121.772	38.679	0.41	2.59
A51	3 Aug 1903	Evergreen	CA	8	-121.783	37.310		8.00
A51	3 Aug 1903	San Francisco	CA	7	-122.418	37.775	1.18	5.82
A51	3 Aug 1903	San Jose	CA	7	-121.894	37.339	0.15	6.85
A51	3 Aug 1903	Santa Clara	CA	7	-121.954	37.354	-0.28	7.28
A51	3 Aug 1903	Alameda	CA	6	-122.241	37.765		6.00
A51	3 Aug 1903	Mount Hamilton	CA	6	-121.640	37.340	-0.54	6.54
A51	3 Aug 1903	Oakland	CA	6	-122.270	37.804	-0.14	6.14
A51	3 Aug 1903	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A51	3 Aug 1903	Danville	CA	5.5	-121.999	37.822	-0.24	5.74
A51	3 Aug 1903	Edenvale	CA	5.5	-121.817	37.265		5.50
A51	3 Aug 1903	Livermore	CA	5.5	-121.767	37.682	0.05	5.45
A51	3 Aug 1903	Stockton	CA	5.5	-121.290	37.958	0.88	4.62

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A51	3 Aug 1903	Calistoga	CA	5	-122.579	38.579	-0.10	5.10
A51	3 Aug 1903	Castroville	CA	5	-121.757	36.766	-0.54	5.54
A51	3 Aug 1903	Guerneville	CA	5	-122.995	38.502		5.00
A51	3 Aug 1903	Half Moon Bay	CA	5	-122.428	37.464	-0.22	5.22
A51	3 Aug 1903	Jamesburg	CA	5	-121.589	36.370	-0.54	5.54
A51	3 Aug 1903	Redwood City	CA	5	-122.235	37.485	-0.29	5.29
A51	3 Aug 1903	Rio Vista	CA	5	-121.690	38.156	-0.53	5.53
A51	3 Aug 1903	Santa Rosa	CA	5	-122.713	38.441	0.41	4.59
A51	3 Aug 1903	Watsonville	CA	4.5	-121.756	36.910	0.18	4.32
A51	3 Aug 1903	Sacramento	CA	3	-121.493	38.582	0.86	2.14
A53	11 Mar 1910	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A53	11 Mar 1910	Watsonville	CA	6	-121.756	36.910	0.18	5.82
A53	11 Mar 1910	Chittenden	CA	5	-121.604	36.901		5.00
A53	11 Mar 1910	Modesto	CA	5	-120.996	37.639	-0.39	5.39
A53	11 Mar 1910	Oakland	CA	5	-122.270	37.804	-0.14	5.14
A53	11 Mar 1910	Salinas	CA	5	-121.654	36.678	-0.16	5.16
A53	11 Mar 1910	San Jose	CA	5	-121.894	37.339	0.15	4.85
A53	11 Mar 1910	Spreckels	CA	5	-121.646	36.622	-0.28	5.28
A53	11 Mar 1910	Stockton	CA	3	-121.290	37.958	0.88	2.12
A54	1 July 1911	Coyote	CA	8	-121.739	37.217	-0.69	8.69
A54	1 July 1911	Lick Observatory	CA	7	-121.642	37.341		7.00
A54	1 July 1911	Los Gatos	CA	7	-121.974	37.227	-0.28	7.28
A54	1 July 1911	Morgan Hill	CA	7	-121.653	37.131	-0.67	7.67
A54	1 July 1911	San Jose	CA	7	-121.894	37.339	0.15	6.85
A54	1 July 1911	Santa Clara	CA	7	-121.954	37.354	-0.28	7.28
A54	1 July 1911	Palo Alto	CA	6.5	-122.142	37.442	-0.72	7.22
A54	1 July 1911	San Francisco	CA	6.5	-122.418	37.775	1.18	5.32
A54	1 July 1911	Gilroy	CA	6	-121.567	37.006	-0.08	6.08
A54	1 July 1911	Martinez	CA	6	-122.133	38.019		6.00
A54	1 July 1911	Sacramento	CA	6	-121.493	38.582	0.86	5.14
A54	1 July 1911	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A54	1 July 1911	Stanford	CA	6	-122.167	37.443	-0.55	6.55
A54	1 July 1911	Stockton	CA	6	-121.290	37.958	0.88	5.12
A54	1 July 1911	Modesto	CA	5.5	-120.996	37.639	-0.39	5.89
A54	1 July 1911	Antioch	CA	5	-121.805	38.005	-0.36	5.36
A54	1 July 1911	Berkeley	CA	5	-122.272	37.872	-0.02	5.02
A54	1 July 1911	Boulder Creek	CA	5	-122.121	37.126	-0.47	5.47
A54	1 July 1911	Madrone	CA	5	-121.671	37.151		5.00
A54	1 July 1911	Napa	CA	5	-122.284	38.297	0.32	4.68
A54	1 July 1911	Oakland	CA	5	-122.270	37.804	-0.14	5.14
A54	1 July 1911	Petaluma	CA	5	-122.636	38.233	0.40	4.60
A54	1 July 1911	Redwood City	CA	5	-122.235	37.485	-0.29	5.29
A54	1 July 1911	Salinas	CA	5	-121.654	36.678	-0.16	5.16
A54	1 July 1911	San Martin	CA	5	-121.609	37.085	-0.23	5.23
A54	1 July 1911	Watsonville	CA	5	-121.756	36.910	0.18	4.82
A54	1 July 1911	Winters	CA	5	-121.970	38.525		5.00

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A54	1 July 1911	Woodland	CA	5	-121.772	38.679	0.41	4.59
A54	1 July 1911	Mare Island	CA	4.5	-122.270	38.100		4.50
A54	1 July 1911	San Rafael	CA	4.5	-122.530	37.974	-0.14	4.64
A54	1 July 1911	Coalinga	CA	3	-120.359	36.140	0.29	2.71
A55	9 Nov 1914	Laurel	CA	7	-121.965	37.117	-0.35	7.35
A55	9 Nov 1914	Los Gatos	CA	6	-121.974	37.227	-0.28	6.28
A55	9 Nov 1914	Santa Cruz	CA	5	-122.030	36.974	-0.07	5.07
A55	9 Nov 1914	San Jose	CA	4.5	-121.894	37.339	0.15	4.35
A55	9 Nov 1914	Berkeley	CA	4	-122.272	37.872	-0.02	4.02
A55	9 Nov 1914	San Francisco	CA	4	-122.418	37.775	1.18	2.82
A55	9 Nov 1914	Napa	CA	3	-122.284	38.297	0.32	2.68
B?	6 Aug 1916	Paicines	CA	7	-121.278	36.729	-0.77	7.77
B?	6 Aug 1916	Chittenden Pass	CA	6	-121.632	36.909		6.00
B?	6 Aug 1916	Fremont Peak	CA	6	-121.503	36.758		6.00
B?	6 Aug 1916	Hollister	CA	5.5	-121.401	36.853	0.11	5.39
B?	6 Aug 1916	Merced	CA	4.5	-120.482	37.302	0.37	4.13
B?	6 Aug 1916	Salinas	CA	4.5	-121.654	36.678	-0.16	4.66
B?	6 Aug 1916	Los Gatos	CA	4	-121.974	37.227	-0.28	4.28
B?	6 Aug 1916	Paso Robles	CA	4	-120.690	35.627	-0.16	4.16
B?	6 Aug 1916	Priest Valley	CA	4	-120.670	36.170	-1.18	5.18
B?	6 Aug 1916	San Jose	CA	4	-121.894	37.339	0.15	3.85
B?	6 Aug 1916	Santa Cruz	CA	4	-122.030	36.974	-0.07	4.07
B?	6 Aug 1916	San Francisco	CA	3	-122.418	37.775	1.18	1.82
A56-A57	22 Oct 1926	Carmel	CA	7	-121.920	36.560	0.10	6.90
A56-A57	22 Oct 1926	Monterey	CA	7	-121.894	36.600	-0.16	7.16
A56-A57	22 Oct 1926	Santa Cruz	CA	7	-122.030	36.974	-0.07	7.07
A56-A57	22 Oct 1926	Aptos	CA	6	-121.898	36.977	-0.90	6.90
A56-A57	22 Oct 1926	Capitola	CA	6	-121.952	36.975	-0.50	6.50
A56-A57	22 Oct 1926	Davenport	CA	6	-122.191	37.012	-0.71	6.71
A56-A57	22 Oct 1926	Palo Alto	CA	6	-122.142	37.442	-0.72	6.72
A56-A57	22 Oct 1926	Salinas	CA	6	-121.654	36.678	-0.16	6.16
A56-A57	22 Oct 1926	San Francisco	CA	6	-122.418	37.775	1.18	4.82
A56-A57	22 Oct 1926	San Jose	CA	6	-121.894	37.339	0.15	5.85
A56-A57	22 Oct 1926	Seaside	CA	6	-121.851	36.611	-0.62	6.62
A56-A57	22 Oct 1926	Soquel	CA	6	-121.956	36.988	-0.33	6.33
A56-A57	22 Oct 1926	Oakland	CA	5.5	-122.270	37.804	-0.14	5.64
A56-A57	22 Oct 1926	San Gregorio	CA	5.5	-122.386	37.327	-0.05	5.55
A56-A57	22 Oct 1926	Watsonville	CA	5.5	-121.756	36.910	0.18	5.32
A56-A57	22 Oct 1926	Alameda	CA	5	-122.241	37.765		5.00
A56-A57	22 Oct 1926	Alvarado	CA	5	-122.080	37.600		5.00
A56-A57	22 Oct 1926	Berkeley	CA	5	-122.272	37.872	-0.02	5.02
A56-A57	22 Oct 1926	Bradley	CA	5	-120.800	35.863	-0.98	5.98
A56-A57	22 Oct 1926	Castroville	CA	5	-121.757	36.766	-0.54	5.54
A56-A57	22 Oct 1926	Coalinga	CA	5	-120.359	36.140	0.29	4.71
A56-A57	22 Oct 1926	Collinsville	CA	5	-121.849	38.077		5.00
A56-A57	22 Oct 1926	Colma	CA	5	-122.459	37.677	-0.34	5.34

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A56-A57	22 Oct 1926	Crows Landing	CA	5	-121.071	37.394	-0.58	5.58
A56-A57	22 Oct 1926	Davenport Landing	CA	5	-122.215	37.024		5.00
A56-A57	22 Oct 1926	Forestville	CA	5	-122.889	38.474	0.05	4.95
A56-A57	22 Oct 1926	Freestone	CA	5	-122.914	38.373		5.00
A56-A57	22 Oct 1926	Gilroy	CA	5	-121.567	37.006	-0.08	5.08
A56-A57	22 Oct 1926	Gonzales	CA	5	-121.443	36.507	-1.02	6.02
A56-A57	22 Oct 1926	Half Moon Bay	CA	5	-122.428	37.464	-0.22	5.22
A56-A57	22 Oct 1926	Hayward	CA	5	-122.080	37.669	-0.36	5.36
A56-A57	22 Oct 1926	Hollister	CA	5	-121.401	36.853	0.11	4.89
A56-A57	22 Oct 1926	Irvington	CA	5	-121.950	37.520		5.00
A56-A57	22 Oct 1926	Livermore	CA	5	-121.767	37.682	0.05	4.95
A56-A57	22 Oct 1926	Los Banos	CA	5	-120.849	37.058	0.05	4.95
A56-A57	22 Oct 1926	Los Gatos	CA	5	-121.974	37.227	-0.28	5.28
A56-A57	22 Oct 1926	Martinez	CA	5	-122.133	38.019		5.00
A56-A57	22 Oct 1926	Milpitas	CA	5	-121.906	37.428	-0.47	5.47
A56-A57	22 Oct 1926	Modesto	CA	5	-120.996	37.639	-0.39	5.39
A56-A57	22 Oct 1926	Morgan Hill	CA	5	-121.653	37.131	-0.67	5.67
A56-A57	22 Oct 1926	Napa	CA	5	-122.284	38.297	0.32	4.68
A56-A57	22 Oct 1926	Niles	CA	5	-121.970	37.580	-1.08	6.08
A56-A57	22 Oct 1926	Paso Robles	CA	5	-120.690	35.627	-0.16	5.16
A56-A57	22 Oct 1926	Pescadero	CA	5	-122.380	37.255	-0.17	5.17
A56-A57	22 Oct 1926	Petaluma	CA	5	-122.636	38.233	0.40	4.60
A56-A57	22 Oct 1926	Pinole	CA	5	-122.298	38.004	0.36	4.64
A56-A57	22 Oct 1926	Point Reyes Station	CA	5	-122.806	38.069	0.71	4.29
A56-A57	22 Oct 1926	Richmond	CA	5	-122.347	37.936	-0.04	5.04
A56-A57	22 Oct 1926	San Leandro	CA	5	-122.155	37.725	-0.15	5.15
A56-A57	22 Oct 1926	San Lorenzo	CA	5	-122.123	37.681	-0.48	5.48
A56-A57	22 Oct 1926	San Lucas	CA	5	-121.019	36.129	-0.41	5.41
A56-A57	22 Oct 1926	Santa Clara	CA	5	-121.954	37.354	-0.28	5.28
A56-A57	22 Oct 1926	Saratoga	CA	5	-122.022	37.264	-1.04	6.04
A56-A57	22 Oct 1926	Sebastopol	CA	5	-122.823	38.402	0.03	4.97
A56-A57	22 Oct 1926	Snelling	CA	5	-120.436	37.519	-0.03	5.03
A56-A57	22 Oct 1926	Sonoma	CA	5	-122.457	38.292	-0.32	5.32
A56-A57	22 Oct 1926	Stockton	CA	5	-121.290	37.958	0.88	4.12
A56-A57	22 Oct 1926	Suisun	CA	5	-122.000	38.240		5.00
A56-A57	22 Oct 1926	Walnut Creek	CA	5	-122.064	37.906	-0.03	5.03
A56-A57	22 Oct 1926	Walnut Grove	CA	5	-121.511	38.242	-0.05	5.05
A56-A57	22 Oct 1926	Bloomfield	CA	4.5	-122.850	38.314		4.50
A56-A57	22 Oct 1926	Fulton	CA	4.5	-122.769	38.496	0.44	4.06
A56-A57	22 Oct 1926	Concord	CA	4	-122.030	37.978	-0.72	4.72
A56-A57	22 Oct 1926	Healdsburg	CA	4	-122.868	38.611	0.67	3.33
A56-A57	22 Oct 1926	Lockwood	CA	4	-121.081	35.937	-0.99	4.99
A56-A57	22 Oct 1926	Merced	CA	4	-120.482	37.302	0.37	3.63
A56-A57	22 Oct 1926	Middletown	CA	4	-122.614	38.753		4.00
A56-A57	22 Oct 1926	Novato	CA	4	-122.569	38.108	0.73	3.27
A56-A57	22 Oct 1926	Priest Valley	CA	4	-120.670	36.170	-1.18	5.18

**Table 4. Modified Mercalli Intensity Observations for San Francisco Bay
Region Earthquakes (1836 to 1927)**

Event Code	Event Date	Name	ST	MMI	LONG	LAT	Site Corr	MMI- Site Corr
A56-A57	22 Oct 1926	Saint Helena	CA	4	-122.469	38.505	-0.20	4.20
A56-A57	22 Oct 1926	Santa Maria	CA	4	-120.435	34.953	-0.15	4.15
A56-A57	22 Oct 1926	Sausalito	CA	4	-122.484	37.859	-0.60	4.60
A56-A57	22 Oct 1926	Tomales	CA	4	-122.904	38.246	-0.84	4.84
A56-A57	22 Oct 1926	Vacaville	CA	4	-121.987	38.357	-0.15	4.15
A56-A57	22 Oct 1926	Bolinas	CA	3	-122.685	37.909	0.39	2.61
A56-A57	22 Oct 1926	Hanford	CA	3	-119.645	36.328	0.12	2.88
A56-A57	22 Oct 1926	Lompoc	CA	3	-120.457	34.639	0.41	2.59
A56-A57	22 Oct 1926	Olema	CA	3	-122.787	38.041	0.14	2.86
A56-A57	22 Oct 1926	Parkfield	CA	3	-120.432	35.900	0.71	2.29
A58	24 Oct 1926	Soquel	CA	4	-121.956	36.988	-0.33	4.33
A58	24 Oct 1926	Alvarado	CA	4.5	-122.080	37.600		4.50
A58	24 Oct 1926	Morgan Hill	CA	4.5	-121.653	37.131	-0.67	5.17
A58	24 Oct 1926	Petaluma	CA	3	-122.636	38.233	0.40	2.60
A58	24 Oct 1926	Los Alamos	CA	3	-120.277	34.744	1.00	2.00
A58	24 Oct 1926	Centerville	CA	3.5	-122.010	37.560		3.50
A58	24 Oct 1926	San Jose	CA	3	-121.894	37.339	0.15	2.85
A58	24 Oct 1926	Berkeley	CA	3	-122.272	37.872	-0.02	3.02
A59	15 Feb 1927	Carmel	CA	5.5	-121.920	36.560	0.10	5.40
A59	15 Feb 1927	Santa Cruz	CA	6	-122.030	36.974	-0.07	6.07
A59	15 Feb 1927	Berkeley	CA	3.5	-122.272	37.872	-0.02	3.52
A59	15 Feb 1927	Gonzales	CA	5	-121.443	36.507	-1.02	6.02
A59	15 Feb 1927	Bolinas	CA	3	-122.685	37.909	0.39	2.61
A59	15 Feb 1927	Greenfield	CA	5	-121.243	36.321	-0.28	5.28
A59	15 Feb 1927	Priest Valley	CA	4	-120.670	36.170	-1.18	5.18
A59	15 Feb 1927	San Mateo	CA	4	-122.324	37.563	-0.52	4.52
A59	15 Feb 1927	Soledad	CA	4	-121.325	36.425	-0.16	4.16
A59	15 Feb 1927	Lemoore	CA	3	-119.782	36.301	0.50	2.50
A59	15 Feb 1927	Lucia	CA	3	-121.549	36.021		3.00