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**WORLD DATA CENTER A  
for  
Solid Earth Geophysics**



**CATALOG OF SIGNIFICANT EARTHQUAKES  
2000 B.C. - 1979**

**Including Quantitative Casualties and Damage**

July 1981



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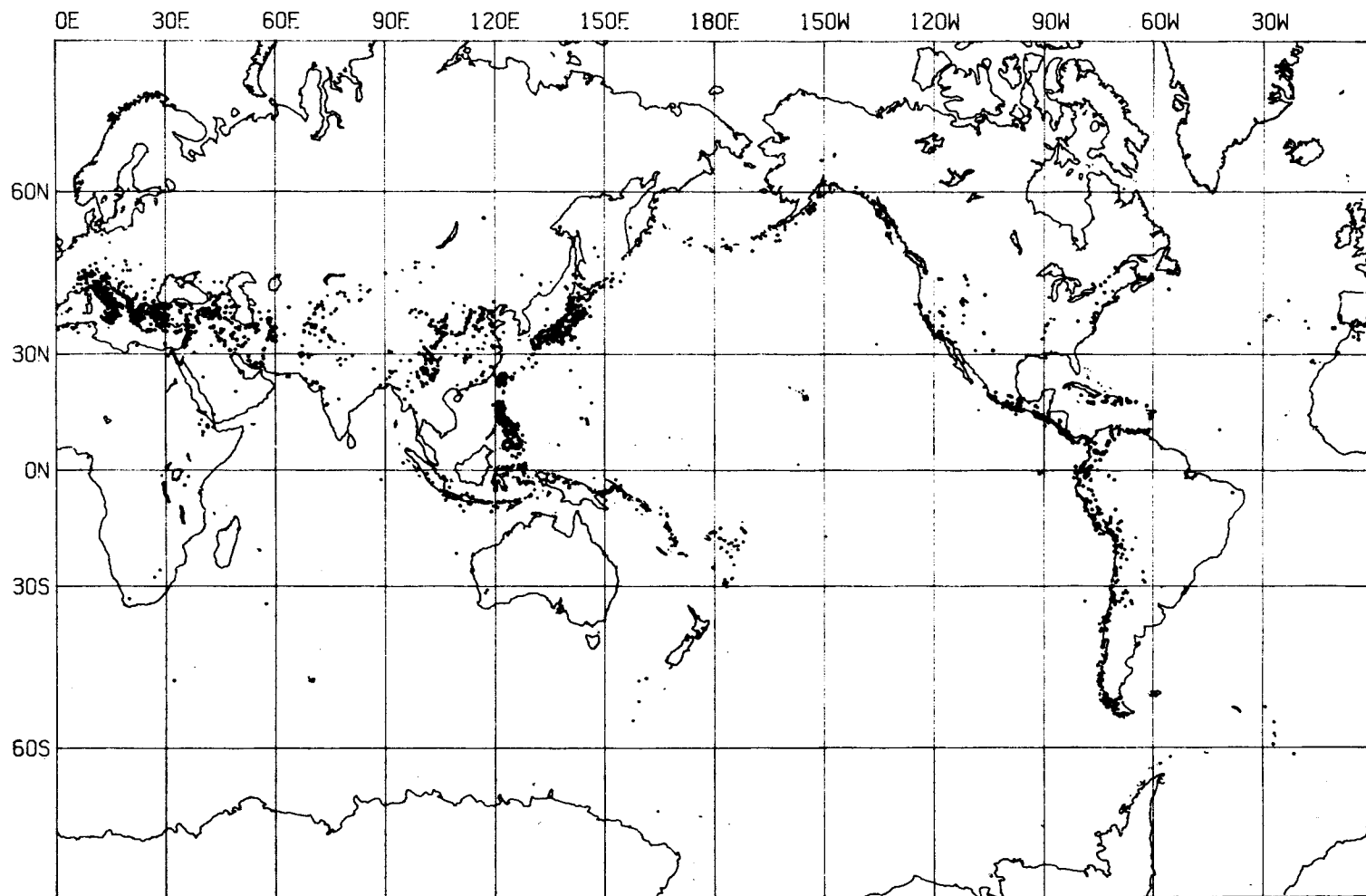
**CATALOG OF SIGNIFICANT EARTHQUAKES**  
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**Including Quantitative Casualties and Damage**

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**July 1981**

*Published by World Data Center A for Solid Earth Geophysics*

**U.S. DEPARTMENT OF COMMERCE**  
**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**  
**ENVIRONMENTAL DATA AND INFORMATION SERVICE**  
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SIGNIFICANT EARTHQUAKES 2000BC - 1979AD

## INTRODUCTION

The present Significant Earthquake Catalog is an expansion of a file originally created to produce the World Map of Significant Earthquakes 1900 to Present. This map may be obtained from NOAA/NGSDC (D622), 325 Broadway, Boulder, Colo. 80303. Price: \$5.00 rolled, \$3.00 folded.

The present catalog attempts to include events from available scientific or scholarly sources (drawing from regional and worldwide catalogs and individual event reports) that meet the following criteria: moderate damage (approximately \$1 million or greater in 1979 dollars), or at least 10 deaths, or magnitude 7.5 or greater. For events lacking magnitude, intensity X or greater is the criterion. Many lesser events are also included (particularly for the United States); however, as a rule, these come from catalogs that were originally incorporated because they did include some events meeting the above criteria. At present, the catalog consists of some 2,484 events drawn from more than 100 different sources. The events range in date from 2,000 B.C. through 1979. It lists the following seismological parameters for each event:

time	deaths
latitude and longitude	damage class
depth	references
magnitude/intensity	geographic location

When a numerical value is given for depth it is in kilometers; N indicates normal depth; S, shallow depth, as defined in the reference cited. Magnitudes are generally  $M_s$  unless indicated otherwise (a following B indicates body-wave magnitude, a following L, local magnitude). Magnitudes given for pre-20th Century events are generally estimations from intensity data. When no magnitude was available, the maximum intensity (written as a Roman numeral) is given. When available, damage is given in dollars, value at the time of the event. Monetary conversion tables for the time of the event are used to convert foreign currency to dollars. Inflation tables (table I) are used to determine if the damage was significant enough to justify including the event in the catalog. For those events not offering a monetary evaluation of damage, the following qualitative five-level scale was used to classify damage (1979 dollars):

- Insignificant
- Limited (roughly corresponding to less than \$1 million)
- Moderate (roughly corresponding to \$1 to 5 million)
- Severe (roughly corresponding to \$5 to 25 million)
- Extreme (roughly corresponding to \$25 million or more)

When possible a rough estimate is made of the dollar amount of damage based upon the description provided, to choose the damage category. In many cases, only a single descriptive term is available and when possible, these terms are converted to the damage categories based upon the author's apparent use of the term elsewhere. In the absence of other information, limited is considered synonymous with slight, minor, and light; severe as synonymous with major, extensive, and heavy; and extreme as synonymous with catastrophic. Note: The descriptive terms relate approximately to present value but the actual dollar values given in the listings are not adjusted for inflation. For this, use Table 1. References for epicenter information, reported deaths, and damage are indicated for each entry. Multiple entries are made when different sources offer substantially different information. There are 3,107 entries representing the 2,484 unique events.

The symbol '&' following the longitude indicates that the coordinates are extremely approximate (e.g., resulting from a geographic description that indicated only the country). These coordinates are included for use in making computer searches. The symbol '#' following the longitude indicates that the coordinates were adopted from an apparent duplicate entry which gives a better indication of the coordinates.

When a substantial portion of the damage is noted to be associated with a tsunami, the word "tsunami" is placed in the location column. This catalog is printed in two formats: sorted chronologically and by longitude.

This catalog will be maintained as a computer file and updated. The authors recognize that the catalog may be incomplete and contain inaccuracies. They would appreciate these being brought to the attention of World Data Center A.

Table 1. Adjustment Earthquake Damage to Current Dollar Values

	1972=100	1979=100		1972=100	1979=100
1979	166	100	1915	14½	8½
1978	151	91	1910	13½	8
1977	142	86	1905	12	7
1976	134	81	1900	10½	6½
1975	127	76	1895	9½	5½
1974	115	70	1890	10½	6½
1973	106	64	1885	10½	6½
1972	100	60	1880	10	6
1970	91	55	1875	11½	7
1965	74	44	1870	12	7
1960	69	42	1865	12	8
1955	61	37	1862	8	5
1950	54	33	1860	7½	4½
1946	44	27	1855	8	5
1938	27	16	1850	7½	4½
1933	25	15	1840	7½	4½
1929	33	20	1830	6	3½
1925	28½	17	1820	6½	4
1920	34	20	1820	7	4
1919	25	16	1800	6½	4
1917	20	12	1970	5	3

Based on implicit price deflator for 1929 to present as given on page 42 of 1979 INFORMATION PLEASE ALMANAC, and building materials and building trades wage information for 1790 through 1929 as given in Historical Statistics of the United States, Colonial Times to 1957, U.S. Department of Commerce.

## ACKNOWLEDGMENTS

The authors express their appreciation to Meri Nakajima who entered most of the data into the computer file, to Carlos Angel and Andy Martinez who translated foreign language catalogs, to Carl von Hake who reviewed the list and offered numerous corrections and additions, and to Carol Weathers, who prepared the computer file for publication.





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**SIGNIFICANT EARTHQUAKES ORDERED CHRONOLOGICALLY**

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
<b>2000 B.C.</b>											
		2000 B.C.		38.0N	58.2E			SOME	UNKNOWN	44	WESTERN TURKMENIA
		600		35.0N	45.0E				UNKNOWN	57	IRAQ: SINKARAH, TEMPLE OF TARAS
		225		36.0N	28.5E				SEVERE	147	RHODES
22	2	186		33.4N	104.8E			760	UNKNOWN	48	CHINA
1	6	70		36.3N	118.0E		IX	6,000	UNKNOWN	48	CHINA
17	4	47		35.1N	104.6E		IX	SOME	UNKNOWN	48	CHINA
		26		28.8N	104.6E		VII	13	UNKNOWN	48	CHINA
		15 B.C.		35.2N	34.0E				EXTREME	147	CYPRUS: SALAMIS
<b>10 A.D.</b>											
		10 A.D.		38.0N	58.0E				UNKNOWN	44	WESTERN TURKMENIA
		17		37.9N	27.3E		X		SEVERE	71	TURKEY
		25		33.0N	72.0E				SEVERE	101	PAKISTAN
		29		40.5N	28.9E		IX		SEVERE	71	TURKEY
		50		37.0N	68.5E				SEVERE	101	AFGHANISTAN: AIKHANUM
		52		41.0N	24.3E				SEVERE	149	PHILIPPI: BETW. DRAMA AND KAVALLA
		60		37.9N	29.2E		IX		SEVERE	71	TURKEY
10		63		45.2N	36.6E	20	6.4		SEVERE	44	USSR
		93		40.6N	26.7E			MANY	SEVERE	149	HELLESPOINT
1	3	138		35.5N	104.0E		IX		SEVERE	48	CHINA
10		143		34.7N	105.3E		IX		UNKNOWN	48	CHINA
		170		39.0N	24.5E				SEVERE	149	VITINIA AND HELLESPOINT
		9		180	39.4N	99.5E	7.5		UNKNOWN	52	CHINA
		9		294	40.3N	116.0E	VII	100	UNKNOWN	48	CHINA
		342		36.2N	36.1E			40,000	UNKNOWN	2	TURKEY: ANTAKYA
		344		36.3N	114.5E			100	UNKNOWN	48	CHINA
		344		38.0N	24.0E				EXTREME	149	RHODES: DURES, CAMPANIA
		355		40.7N	29.7E				SEVERE	151	TURKEY: NICOMEDIA
24	8	358		40.8N	29.9E				SEVERE	149	NICOMEDIA (TSUNAMI)
		361		44.0N	14.0E				MODERATE	149	ADRIATIC COAST
21	7	365		35.3N	25.2E			50,000	UNKNOWN	51	CRETE: KNOSSOS
11	10	367		40.7N	29.7E			THOUSANDS	SEVERE	151	TURKEY: NICEA
		367		31.8N	35.2E				UNKNOWN	151	JERUSALEM
11	10	368		39.5N	22.5E				SEVERE	149	NIKEA
		419		31.5N	35.0E				SEVERE	151	PALESTINE
		427		40.5N	46.5E	12	6.7		SEVERE	44	USSR: AZERBALDZAN
		440		41.0N	29.0E				SEVERE	151	CONSTANTINOPE
25	9	477		41.0N	29.0E				SEVERE	151	CONSTANTINOPE

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
<b>500</b>											
21	5	512		39.0N	113.0E		X	5,310	SEVERE	48,52	CHINA
		513		42.5N	19.3E				SEVERE	149	DIOKLECIA
		521		39.6N	21.2E				SEVERE	149	DURRES, CORINTH
		527		36.2N	36.1E		X		SEVERE	71	SYRIA
		528		36.0N	36.0E			5,000	SEVERE	151	ANTIOCH
6	9	543		40.4N	27.8E		IX		LIMITED	71	TURKEY
9	7	551		33.9N	35.5E				SEVERE	57	BEIRUT
15	8	555		41.0N	29.0E		IX		MODERATE	71	TURKEY
6	10	557		41.0N	29.0E				UNKNOWN	149	ISTANBUL
14	12	557		41.0N	29.0E				UNKNOWN	149	ISTANBUL
		565		36.2N	36.1E			30,000	UNKNOWN	2	ANTAKYA
		579		36.0N	36.0E				SEVERE	151	ANTIOCH
<b>600</b>											
13	12	600		34.3N	108.9E		VII	100	UNKNOWN	48	CHINA
		614		41.0N	15.0E			THOUSANDS	SEVERE	151	ITALY
29	11	648		33.8N	134.2E		8.4		UNKNOWN	2	JAPAN: NANKAIDO, SHIKOKU, AWAJI, KII PROV.
12	9	649		36.1N	111.5E		VII	50	UNKNOWN	48	CHINA
		678		35.0N	43.5E				SEVERE	120	JAZIRAH: BETW. TIGRIS R. AND THARTHAR R.
29	11	678	1500	35.0N	43.5E				SEVERE	57	IRAQ: JAZIRAH: TIGRIS R. TO THARTHAR R.
		684		33.2N	133.7E			2,000	SEVERE	97	JAPAN
		688		38.4N	27.2E		IX		SEVERE	71	TURKEY
<b>700</b>											
20	3	713		36.0N	36.0E				SEVERE	98	SYRIA: ANTIOCHIA (ANTAKYA)
		715		40.4N	28.9E		IX		MODERATE	71	TURKEY
25	8	716		36.0N	36.0E				MODERATE	98	SYRIA ANTIOCHIA
		732		41.0N	29.0E				UNKNOWN	149	ISTANBUL
19	3	734		34.7N	106.3E		IX	100	UNKNOWN	48	CHINA
26	10	740		41.0N	29.0E				SEVERE	151	CONSTANTINOPLE
		742		35.0N	38.0E			MANY	SEVERE	73	SYRIA: PALESTINE, ASIA
		742		15.0N	43.0E					55	EGYPT, ARABIA: DESERT OF SABA
5	6	745		35.4N	136.8E		7.9		UNKNOWN	2,5	JAPAN MINO
18	1	746		32.0N	35.5E				UNKNOWN	57	N. OF DEAD SEA
31	8	748		33.5N	36.3E				MODERATE	98	DAMASCUS
25	1	749		35.0N	43.5E				SEVERE	120	JAZIRAH (N.E. OF THARTHAR)
		749		35.0N	43.5E				SEVERE	57	IRAQ: JAZIRAH: N.E. OF THARTHAR R.

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION	
				777	37.8N	115.2E	VIII	100	LIMITED	48 CHINA	
				778	28.1N	111.4E		500	UNKNOWN	96 CHINA: HUNAN PROVINCE,HOANG KIN CHAN,T CHENG	
				778	45.4N	12.2E	5.6	48	MODERATE	158 ITALY: TREVISO	
13	2	788		29.5N	111.7E				EXTREME	55 CHINA: HUNAN KIN YUNYANG IN HUPEH	
3	8	788		32.5N	109.2E			100	UNKNOWN	48,96 CHINA	
30	4	793		45.5N	11.0E			MANY	SEVERE	55,151,158 ITALY: VERONA	
<b>800</b>											
30	4	801	0100	41.9N	12.6E				EXTREME	151 ITALY: ROME	
				811	56.3N	2.7W		1,400	SEVERE	55 SCOTLAND: ST. ANDREWS	
2	4	814		27.9N	102.2E			100	LIMITED	48 CHINA	
				815	41.0N	29.0E			UNKNOWN	149 ISTANBUL	
9	7	818		36.0N	60.0E				SEVERE	98 IRAN: KHURASAN,WAZIRABAD,BALKH	
10	8	818		35.1N	139.4E		7.9		UNKNOWN	2,55 JAPAN: SAGAMI	
19	8	820		37.4N	112.6E			20	UNKNOWN	96 CHINA: SHENSI PROVINCE,FAN CHONG	
5	1	835		36.0N	36.0E				SEVERE	98 ANTIOCHIA	
23	11	838		40.4N	71.3E			15,000	EXTREME	98 FERGANA	
18	9	844		33.5N	36.3E			50,000	EXTREME	98 DAMASCUS	
28	8	846		32.0N	22.0E				UNKNOWN	98 NORTH AFRICA	
				847	36.2N	36.1E		20,000	UNKNOWN	120 ANTIOCH	
				847	36.0N	42.5E		50,000	UNKNOWN	120 MOSUL(AL-MAWSIL)	
				847	33.5N	36.3E		70,000	EXTREME	57 DAMASCUS	
				847	42.2N	13.9E		FEW	UNKNOWN	55,151 ITALY: MOLISE	
24	11	847		33.5N	36.3E				MODERATE	98 DAMASCUS	
5	8	848		34.5N	62.2E				UNKNOWN	98 AFGANISTAN: HERAT	
2	5	854		37.0N	10.0E				MODERATE	98 TUNIS: KAIROUAN	
				856	37.9N	22.9E		45,000	UNKNOWN	2,7,55,149 GREECE: CORINTH,PATRAS	
				856	37.9N	22.9E		4,000	UNKNOWN	51 GREECE: CORINTH,PATRAS	
3	12	856		37.0N	10.0E			45,000	EXTREME	98 TUNIS	
22	12	856		35.8N	54.3E			200,000	EXTREME	130 IRAN: QUMIS DAMGHAN	
				858	40.0N	44.5E	10	5.2	12,000	SEVERE	44 ARMENIA: DVINA
				859	36.0N	36.0E			MODERATE	55 ASIA MINOR: ANTIOCH	
8	4	859		36.0N	36.0E			MANY	SEVERE	98 SYRIA: ANTIOCHIA	
8	4	859		36.2N	36.1E			MANY	EXTREME	120 ANTIOCHIA,EGYPT,MESOPOTAMIA,ARMENIA	
8	4	859		36.0N	36.0E			MANY	SEVERE	57 ANTIOCHIA	
23	5	860		33.0N	44.5E				MODERATE	57 BAGHDAD	
				863	40.0N	44.5E	10	4.9	MANY	44 ARMENIA: DVINA	
13	7	869		39.0N	141.6E			8.6	UNKNOWN	2 JAPAN: OSJU	
13	7	869		38.5N	143.6E			8.6	1,000	EXTREME (TSUNAMI)	
13	7	869		38.5N	145.8E			8.6	1,000	SEVERE JAPAN: SANRIKU	
13	7	869		39.0N	143.0E			1,000	SEVERE	5 JAPAN: SANRIKU (TSUNAMI)	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
13	7	869		38.5N	143.8E	8.6		1,000	SEVERE	65 JAPAN: SANRIKU
		871		32.0N	46.0E			20,000	EXTREME	57 WASIT ON TIGRIS
18	11	871		32.0N	46.0E			20,000	UNKNOWN	98,120 WASIT ON THE TIGRIS
		872		33.0N	46.0E			3,000	SEVERE	57 N.E. OF KUT AL IMARAH
21	6	872		34.0N	44.0E			20,000	EXTREME	57,120 SAMARRA VALLEY
14	7	876		38.8N	115.6E					55 CHINA: CHIH LI PAOLANG FU
30	7	876		38.0N	106.0E			MANY	MODERATE	96 CHINA: SHANTUNG PROVINCE, HANG CHOU AND PU
26	8	887		34.6N	135.1E	8.6			UNKNOWN	2 JAPAN: MINO
		893		43.2N	42.0E			82,000	UNKNOWN	51 USSR: CAUCASUS
		893		38.2N	48.2E#			180,000	UNKNOWN	51 INDIA: DAIPUL
		893		21.0N	49.0E					55 ARABIA: ARMENIA, DABIL, YAMAMAHE, YAMAN
		893		40.0N	44.6E					55 RUSSIA: DVIN OR TOVIN
23	3	893		38.2N	48.2E			150,000	EXTREME	98 IRAN: ARDABIL
27	3	893		40.0N	44.6E	5	5.3	20,000	EXTREME	44 ARMENIA: DVINA
		894		45.3N	11.0E&				5.3	SOME
		896		41.9N	12.6E			MANY	SEVERE	151 ITALY: ROME
<b>900</b>										
15	9	942		36.0N	51.7E			MANY	UNKNOWN	98 LADNESA
20	8	943		38.0N	58.3E			5,000	SEVERE	44 WESTERN TURKMENIA: NIS
27	4	955		28.0N	33.0E&				UNKNOWN	98 EGYPT
15	4	956		34.9N	48.4E			MANY	UNKNOWN	98 IRAN: HAMADAN
	4	957		34.8N	44.8E				SEVERE	120 KASR-SHIRIN, KIRIND, HALWAN
	4	957		37.0N	48.0E				SEVERE	57 JIBAL, KURDISTAN; KASR-SHIRIN TO KIRIND MAX AT H
	2	958		36.7N	69.6E			SOME	UNKNOWN	130 IRAN: RAYY, TALIGAN
12	10	972		36.0N	36.0E				UNKNOWN	98 SYRIA: ANTIOCHIA
10	2	985		41.1N	14.8E				MODERATE	151 ITALY: BENEVENTO
13	5	986		36.3N	43.0E			MANY	SEVERE	98,120 MOSUL
13	5	986		36.0N	43.0E			MANY	UNKNOWN	57 MOSUL
5	4	991		33.5N	36.3E				MODERATE	55 ASIA MINOR: DAMASCUS
23	8	999		29.0N	112.0E			100	LIMITED	96 CHINA: HONAN PROVINCE
<b>1000</b>										
30	4	1000		35.0N	110.0E			62	LIMITED	96 CHINA: SHENSI PROVINCE
1	1001			34.3N	109.0E			60	UNKNOWN	96 CHINA: SHENSI PROVINCE, TSIN
	1001			45.3N	11.0E&	6.0		MANY	MODERATE	158 ITALY: VERONA
	1003			47.0N	6.0E&					SEVERE
	1007			31.0N	47.4E			10,000	UNKNOWN	57 KIJLA (TIGRIS-KTESIPHON)
	1007			33.2N	44.4E#					55 PERSIA (IRAK): DEINAR

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
		1007		33.2N	44.4E#					55 PERSIA (IRAK): DEINAR
		1007		33.2N	44.4E			10,000	UNKNOWN	51 IRAQ: BAGHDAD
		1007		31.0N	47.4E			10,000	UNKNOWN	120 DIJLA(TIGRIS-KTESIPHON)
11	4	1008		35.7N	45.0E			16,000	EXTREME	98 DAINAWAR
	11	1010		38.1N	106.4E		VII	MANY	UNKNOWN	48 CHINA
		1013		64.0N	21.0W		X	11	UNKNOWN	93 SUDURLAND
12	5	1021	1000	47.5N	7.6E		IX		SEVERE	155 SWITZERLAND
		1031		36.0N	42.5E			4	LIMITED	120 MOSUL
26	11	1033		31.8N	35.0E				SEVERE	98 SYRIA: RAMLA
	12	1037		37.0N	112.0E			22,391	EXTREME	55 CHINA: SHANSI,HSINCHOU,PING CHOU,TAICHOU
18	12	1037		41.0N	29.5E				UNKNOWN	149 BUCCELLARIIS
	9	1038		38.4N	112.9E		7.25	23,000	UNKNOWN	51,52 CHINA
	9	1038		38.4N	112.9E		X	32,300	EXTREME	48 CHINA
24	1	1038		38.4N	112.9E		7.25	2,200	UNKNOWN	2 CHINA
21	8	1042		30.4N	37.6E			50,000	UNKNOWN	51 SYRIA: PALMYRA,BAALBEK
21	8	1042		38.0N	46.2E			40,000	EXTREME	51,98 IRAN: TABRIZ
		1045		39.7N	39.5E		IX		MODERATE	71 TURKEY
		1048		52.0N	0.0E&			MANY	UNKNOWN	151 ENGLAND
3	5	1052		31.2N	48.9E				UNKNOWN	98 URGUN,AHVAZ
		1057		39.5N	116.3E		6.75	25,000	UNKNOWN	51,52 CHINA
		1057		39.5N	116.3E		IX	10,000	EXTREME	60 CHINA
3		1057		39.0N	116.5E					55 CHINA: CHIH LI,YUCHOU,HSIUNGCHOU IN PAOTING FU A
10		1058		36.0N	43.0E			MANY	SEVERE	57,120 MOSUL,TIKRIT,WASIT,ANAH
		1064		40.7N	29.7E				SEVERE	151 TURKEY: NICEA
21	1	1065		38.1N	15.1E		X	975	SEVERE	93 ITALY: CATANIA,MESSINA,MILAZZO,PALERMO
31	3	1066		34.0N	58.0E			GREAT	SEVERE	98 IRAN: KHURASAN
	11	1067		23.6N	116.5E		IX	GREAT	EXTREME	48,96 CHINA
		1068		38.5N	116.1E					55 CHINA: SHANTUNG HUI,TUNGPIG TUNGA IN TAIAN FU,
18	3	1068		31.8N	35.0E			25,000	EXTREME	57,98 PALESTINE: RAMLA
18	3	1068		31.8N	35.0E			25,000	SEVERE	120 PALESTINE: RAMALA
14	8	1068		38.5N	116.1E		VIII	SOME	UNKNOWN	48 CHINA
	9	1068		36.1N	116.1E			MANY	SEVERE	96 CHINACHE LI SIU TCHENG TONG NGO,SHANTUNG PROV
18	3	1068		31.8N	35.0E			25,000	UNKNOWN	51 ISRAEL: RAMLE
29	4	1085		39.9N	41.1E			MANY	ERZERUM	98 ERZERUM
		1086		37.0N	15.3E			THOUSANDS	SEVERE	151 ITALY: SYRACUSE
22	4	1088		41.4N	43.2E	10	5.3	GREAT	SEVERE	44 USSR: GEORGIA
17	12	1096		34.2N	137.3E		8.4	400		56 (TSUNAMI)
<b>1100</b>										
15	1	1102		37.5N	112.6E					55 CHINA: SHANSI,CHIN,HSI TAI IN TAI YUAN

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
15	1	1102		39.3N	111.0E					96	CHINA: SHANSI PROVINCE, LU CHOU
		1111		38.5N	43.4E		IX		EXTREME	71	TURKEY
		1114		37.0N	38.9E		IX		SEVERE	71	TURKEY
12	3	1114		37.5N	38.5E				MODERATE	55	ASIA MINOR: SAMAOSALA
7	6	1114		37.0N	38.9E			MANY	SEVERE	71,98	URFA
1	3	1117		44.8N	11.3E		X	MANY	SEVERE	93,158	ITALY: VENETIA TO EMILIA
10	12	1119		36.2N	50.0E				SEVERE	98	IRAN: QAZVIN
19	9	1137		36.0N	42.0E			MANY	SEVERE	57,120	JAZIRAH, MOSUL
		1138		36.1N	37.2E#			100,000	SEVERE	120	EGYPT, SYRIA
		1138		36.1N	37.2E#			100,000	EXTREME	57	EGYPT, SYRIA
8	9	1138		36.1N	37.2E			230,000	EXTREME	98	SYRIA: GANZAH, ALEPPO
		1139		40.3N	46.3E	15	6.8	MANY	SEVERE	44	USSR: KIAPAS
		4 1143		38.5N	106.3E		VIII	5,000	SEVERE	48	CHINA
11	5	1149		33.2N	44.4E			MANY		98	BAGHDAD
		1151		38.7N	9.1W			THOUSANDS	LIMITED	151	PORTUGAL: LISBON
		1155		34.5N	36.5E			2,000	UNKNOWN	2,55	S. TURKEY: LATAKIA
18	1	1155		45.8N	8.1E			MANY	UNKNOWN	151	BORGOGNA (ASSUMED BORGONE)
13	2	1157		36.3N	37.3E			GREAT	EXTREME	98	SYRIA: ALEPPO
		1158		34.5N	36.5E			20,000	UNKNOWN	55,73	SYRIA: MALATIA, ANTIOCH, TRIPOLI, DAMASCUS, ALEPPO
		1164		64.3N	20.0W		X	19	UNKNOWN	55,93	ICELAND: SOUTHLAND, GRIMSNES
4	2	1163		37.4N	15.5E					55	ITALY: CATANIA, SYRACUSE
		1169		36.3N	37.3E				SEVERE	57	ALEPPO, DAMASCUS
4	2	1169		38.1N	15.7E			14,000	UNKNOWN	51	ITALY: CALABRIA
4	2	1169		38.1N	15.7E		X	16,000	EXTREME	93	SICILY: CALABRIA, SYRACUSE
		1171		34.4N	35.8E				SEVERE	151	LEBANON: TRIPOLI
		1182		64.0N	21.0W		X	11	UNKNOWN	55,93	ICELAND: SOUTHLAND
		1183		34.5N	36.5E			20,000		2,51,55	SYRIA: ANTIOCH, DAMASCUS, TRIPOLI
		1184		39.3N	16.3E				SEVERE	5	ITALY: COSENZA
		1198		40.6N	14.1E				UNKNOWN	151	ITALY: PUZZUOLO
<b>1200</b>											
		1201		39.0N	25.0E&			100,000	UNKNOWN	2	AEGEAN SEA
5	7	1201		28.0N	33.0E&			1,100,000	EXTREME	57,98	UPPER EGYPT OR SYRIA
5	7	1201		28.0N	33.0E&			30,000	SEVERE	120	UPPER EGYPT, SYRIA
20	5	1202		32.5N	35.3E			MANY	SEVERE	120	PALESTINE, SAMARIA, GALILEA
22	5	1202		33.2N	35.3E			30,000	UNKNOWN	51	JORDAN, NABLUS
25	7	1202		27.1N	118.4E			400	UNKNOWN	96	CHINA: FUKIEN PROVINCE, KIEN NAN CHAN
		1203		33.3N	35.2E			MANY	SEVERE	57	SUR
		1205		38.7N	35.5E		IX		LIMITED	71	TURKEY
4	12	1209		36.0N	111.8E		IX	3,000	SEVERE	48	CHINA
6	12	1209		36.0N	111.8E			3,000		55	CHINA: SHANSI, FUSHAN IN PINGYANG FU



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
15	6	1211		30.5N	31.3E			MANY	UNKNOWN	98	EGYPT: CAIRO
21	5	1219		36.0N	106.2E		IX	10,000	EXTREME	48,96	CHINA
25	12	1222		45.3N	10.2E		X	12,000	SEVERE	93	ITALY: BRESCIA
		1227		43.6N	5.3E		X	5,000	SEVERE	93	ITALY: LAMBESC
		1227		44.0N	7.0E			5,000	EXTREME	116	HIGH ALPS, PROVENCE
		1230		38.1N	15.7E				UNKNOWN	5	ITALY: REGGIO
1	6	1231		41.5N	13.8E			SOME	UNKNOWN	55,151	ITALY: S.GERMANO
		1233		45.3N	12.2E&		5.6		SEVERE	158	ITALY: VENICE
		1248		41.0N	13.0E			9,000	EXTREME	116	ITALY: SABAUDIA
28	6	1265		24.5N	40.0E				UNKNOWN	98	HIJAZ, MEDINA
		1268		39.8N	40.4E		IX	15,000	SEVERE	71	TURKEY
		1268		37.5N	35.5E			60,000	UNKNOWN	2,7,55	ASIA MINOR, S.TURKEY: SILICIA
20	7	1277		45.3N	11.0E&		5.1	SOME	MODERATE	158	ITALY: VERONA
		1279		44.5N	11.3E			MANY	UNKNOWN	55,151	ITALY: BOLOGNA
30	4	1279		44.2N	10.5E		X		SEVERE	93	ITALY: ROMAGNE
		8 1289		40.0N	116.5E			40,000	EXTREME	96	CHINA: CHE LI
27	9	1290		41.5N	119.3E		XI	7,220	SEVERE	96	CHINA
27	9	1290		41.5N	119.3E		6.75	100,000	UNKNOWN	2,7,51,52	CHINA
27	9	1290		25.1N	116.0E			100,000		55	CHINA: CHIH LI, SHANGLU, LUANKING, WUPING IN TINGCH
25	8	1291		36.1N	111.5E		VIII	150	SEVERE	48	CHINA
		1293		32.0N	34.9E				SEVERE	98	RAMLA
20	5	1293		35.2N	139.3E			30,000	UNKNOWN	7	JAPAN: KAMAKURA
27	5	1293		35.2N	139.3E			22,000	UNKNOWN	51	JAPAN: KAMAKURA
5	4	1295		46.9N	9.5E		VIII	MANY	SEVERE	155	SWITZERLAND
4	9	1295		46.9N	9.5E		VIII	SOME	SEVERE	155	SWITZERLAND
<b>1300</b>											
		1300		42.4N	12.9E				SEVERE	151	ITALY: RIETI
8	8	1303		37.3N	22.1E			10,000	EXTREME	51,55,98	ALEXANDRIA, ACRC, PELOPONNESUS, CANDIA, ADRIATIC
17	9	1303		36.3N	111.7E		XI	15,000	EXTREME	48,52,55	CHINA: SHANSI
3	5	1305		39.8N	113.1E		IX	2,000	SEVERE	48	CHINA
3	5	1305		39.8N	113.1E#			1,400	SEVERE	55	CHINA: SHANSI TATUNG FU
12	9	1306		35.9N	106.1E		IX	5,000	UNKNOWN	48	CHINA
		1308		64.0N	21.0W			6	LIMITED	55	ICELAND: SOUTHLAND
		1310		35.5N	45.5E			MANY	UNKNOWN	57	SHAHROOZE (SULAIMANIYA)
		7 1310		31.2N	112.2E			3,466	SEVERE	96	CHINA: HUPEI PROVINCE, KIN MEN
5	10	1314		36.5N	113.8E		VIII	340	UNKNOWN	48	CHINA
1	12	1328		42.8N	13.0E		X	5,000	SEVERE	93	ITALY: NORCIA
13	1	1339		34.4N	35.8E				UNKNOWN	98	SYRIA: TRIPOLIS
22	5	1339		63.8N	20.5W					55	ICELAND: ARNESSYSLA, RANGARVALLASYSLA, SKEID, FLOI
23	7	1340		29.0N	111.3E			360	LIMITED	96	CHINA: KANSU PROVINCE, TAO YUEN CHAN
3	7	1343		34.9N	105.8E			MANY	UNKNOWN	96	CHINA: HUNAN PROVINCE, NAN PI TSIN NAN

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
		1344		38.0N	9.0W				SEVERE	5	LISBON
15	5	1344		32.6N	51.7E			20	LIMITED	130	IRAN: ISFAHAN
12	9	1345		43.8N	11.3E		MANY		SEVERE	151	ITALY: FLORENCE
24	11	1346	2300	47.5N	7.6E		VIII		SEVERE	155	SWITZERLAND
	3	1347		36.9N	118.2E					55	CHINA: SHANTUNG, LINTAU, CHINGCHOU, SHANSI, HOTUNG,
	5	1347		36.9N	118.5E		MANY		UNKNOWN	96	CHINA: SHANTUNG PROVINCE, LIN TOU
25	1	1348		46.4N	13.5E		X	5,000	EXTREME	93	AUSTRIA: VILLACH, GAIL
9	9	1349		42.2N	13.2E		X	THOUSANDS	SEVERE	93	ITALY: AQUILA
25	12	1352		43.5N	12.1E		XI	2,000	SEVERE	93	ITALY: SAN SEPOLCRO
24	8	1356		36.8N	5.9W		X		SEVERE	93	SPAIN: SEVILLE, CADIZ, CORDOUE
24	8	1356		38.0N	9.0W				MODERATE	5	LISBON
18	10	1356	2130	47.4N	7.6E		X	300	EXTREME	51,139	SWITZERLAND: BASEL
		1361		34.0N	136.0E				EXTREME	97	JAPAN
17	7	1361		40.3N	15.6E		X	4,000	SEVERE	93	ITALY: BASILICATE TO POUILLES
3	8	1361		33.4N	135.0E		8.4	500	MODERATE	2,56	JAPAN: KINAI (TSUNAMI)
		1370		64.0N	21.0W			6	LIMITED	55	ICELAND: SOUTHLAND, OLFUS
16	8	1372		32.0N	118.8E		VI	16	UNKNOWN	48	CHINA
2	2	1374		42.1N	0.3W		X	MANY	UNKNOWN	93	SPAIN: RIBAGORCA
		1375		46.9N	8.4E		VIII	MANY	SEVERE	155	SWITZERLAND
	8	1384		39.0N	26.0E			500	UNKNOWN	2,55	LESBOS, AEGEAN SEA
20	1	1389		36.2N	58.5E			MANY	SEVERE	98	NEYSHABUR
23	3	1391		47.4N	7.2E		VII		SEVFRE	155	SWITZERLAND
<b>1400</b>											
		1402		35.0N	37.0E&				SEVERE	55	SYRIA
9	4	1407		36.0N	36.0E			MANY	UNKNOWN	98	ANTIOCHIA
20	12	1408		35.1N	36.8E			MANY	UNKNOWN	98	ALEPPO, TRIPOLIS
24	4	1413		37.2N	3.6W		IX		SEVERE	124	SPAIN: GRANADA
3	3	1414		43.5N	12.1E		X	200	MODERATE	93	SAN SEPOLCRO
		1417		41.0N	15.0E&				SEVERE	151	ITALY
15	5	1427		41.7N	2.2E		XI	MANY	SEVERE	93	SPAIN: OLOT, BARCELONA
2	2	1428		42.4N	2.2E		XI	600	SEVERE	159	SPAIN: OLOT
26	10	1440		36.2N	103.4E		VIII	200	LIMITED	48	CHINA
5	6	1443		48.5N	19.1E		X	30	UNKNOWN	93	CZECH.: BANSKA, STYAVNICA
	11	1444		43.2N	27.9E				MODERATE	149	BULGARIA: VARNA
4	11	1447		41.9N	12.6E			MANY	SEVERE	151	ITALY: ROME
14	9	1454	2300	47.5N	7.6E			SOME	UNKNOWN	155	SWITZERLAND
15	9	1454	0100	47.5N	7.6E			SOME	UNKNOWN	155	SWITZERLAND
5	12	1455		40.4N	14.1E			40,000	UNKNOWN	73	NAPLES
29	11	1456		39.8N	39.5E				SEVERE	98	ERZINCAN
4	12	1456		41.2N	14.6E		XI	27,000	EXTREME	93	ITALY: ABRUZZES, MOLISE, BASILICATE

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
5	12	1456		40.4N	14.5E			30,000	UNKNOWN	2,51 ITALY: AVELLINO,NAPLES
5	12	1456		40.6N	18.0E			40,000	EXTREME	151 ITALY: BRINDISC
		1458		39.9N	40.4E			32,000	UNKNOWN	51 TURKEY: ERZINCAN
		1458		39.9N	40.4E		X	30,000	SEVERE	71 TURKEY
8	11	1458		39.9N	40.4E			100	UNKNOWN	71,98 KERK
		1464		37.3N	5.6W		IX		SEVERE	93 SEVILLE,SPAIN
15	7	1481		26.5N	100.0E		VIII	20	LIMITED	48 CHINA
10	9	1481		42.0N	15.9E				SEVERE	151 ITALY: RODI
		1482		39.9N	40.4E		X	30,000	SEVERE	71 TURKEY
10	8	1487		34.3N	109.1E		VIII	1,900	MODERATE	48 CHINA
		1490		41.0N	29.0E				UNKNOWN	149 ISTANBUL
	10	1491		38.3N	26.0E			5,000		55 GREECE: ISLAND OF COS
24	3	1494		25.5N	103.8E		VII	3	LIMITED	48 CHINA
1	7	1494	PM	35.5N	25.5E				UNKNOWN	149 HERAKLION
12	9	1495		35.5N	139.2E			200	UNKNOWN	56 (TSUNAMI)
20	9	1498		34.1N	138.2E		8.6	5,000	MODERATE	56 (TSUNAMI)
20	9	1498		35.0N	138.0E		8.6	41,000	UNKNOWN	2,51 JAPANTOTOMI,TOKAIKO
		1499		25.0N	103.0E			20,000	EXTREME	96 CHINA: YUNAN PROVINCE,YI LIANG
<b>1500</b>										
	1	1500		24.5N	103.0E			MANY	UNKNOWN	96 CHINA: YUNAN PROVINCE,CHENG KIANG
19	1	1501		34.8N	110.1E		IX	400	SEVERE	48 CHINA
17	10	1502		35.7N	115.3E		VIII	50	MODERATE	48 CHINA
	3	1504		46.8N	10.2E		VIII	SOME	SEVERE	155 SWITZERLAND
5	4	1504		37.3N	5.4W		X	SOME	UNKNOWN	93 SPAIN: CARMONA
6	7	1505		34.7N	69.2E			GREAT	SEVERE	95,100 INDIA: KABUL
29	5	1508		35.2N	25.1E		X	300	MODERATE	93 CRETE: MEGALOKASTRON (CANDIE)
14	9	1509		40.7N	29.3E		IX	13,000	SEVERE	51,71,73 TURKEY: ISTANBUL
		1509		40.9N	35.2E		IX		SEVERE	71
16	11	1509		41.7N	26.6E				MODERATE	149 EDIRNE
10	6	1510		48.8N	10.5E			2,000		55 BAVARIA: NORDLINGEN
26	3	1511	1400	46.1N	14.0E	17	6.9	6,000	EXTREME	123 IDRIJA
8	8	1511		46.1N	13.4E			3,000	UNKNOWN	123 CIVIDALE
		1512		46.4N	9.0E		VII	MANY	SEVERE	155 SWITZERLAND
17	6	1515		28.6N	100.8E		7.5		UNKNOWN	52 CHINA
17	6	1515		26.6N	100.8E		X	1,000	SEVERE	48 CHINA
23	10	1515		25.7N	100.2E		VIII	100	LIMITED	48 CHINA
9	11	1518		37.2N	1.5W		XI	MANY	EXTREME	93 SPAIN: VERA
26	3	1520		25.3N	100.3E		VII	MANY	LIMITED	48,96 CHINA
21	9	1522		36.5N	2.3W		XI	MANY	UNKNOWN	93 SPAIN: ALMERIA
	1	1530		34.6N	107.8E				UNKNOWN	96 CHINASHENSI PROVINCE,FONG SIANG

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
1	9	1530		10.7N	62.5W			MANY	UNKNOWN	64,146 VENEZUELA: CUMANA PROVINCE
11	09	1530	1500	10.3N	64.1W			MANY	SEVERE	118 VENEZUELA: CUMANA
26	1	1531		38.4N	9.1W		X	30,000	UNKNOWN	7,51,73,93 PORTUGAL: LISBON
26	1	1531		38.4N	9.1W				MODERATE	55 SPAIN;PORTUGAL. LISBON
26	1	1531		38.0N	9.0W				EXTREME	5 LISBON
	5	1535		25.8N	116.4E			MANY	LIMITED	48 CHINA
19	3	1536		28.1N	102.2E		IX	1,000	MODERATE	48 CHINA
27	9	1538		40.6N	14.1E				SEVERE	151 ITALY: PUZZUOLO
28	09	1538	1015	43.0N	11.0E	6			SEVERE	112 ITALY: MONTE NUOVO (TSUNAMI)
		1541		0.5S	78.2W				UNKNOWN	47 ECUADOR
10	12	1542		37.2N	15.2E		X		SEVERE	93 ITALY: SIRACUSA,MILITELLO,CATANIA,NICOSIA
		1543		10.6N	64.1W			MANY	UNKNOWN	64 VENEZUELA: NUEVA CADIZ,ISLA CUBAGUA
		1545		37.2N	111.7E			MANY	UNKNOWN	96 CHINA: SHANSI PROVINCE,HIAO YI
		1549		33.5N	59.1E			3,000	UNKNOWN	2,55 PERSIA: QAIN,KHURASAN
		1550		38.0N	46.0E			MANY	UNKNOWN	57 TABRIZ
28	1	1551		38.4N	9.1W				LIMITED	55 PORTUGAL: LISBON
28	1	1551		38.4N	9.1W		IX	2,000	SEVERE	93 LISBON
28	1	1551		38.0N	9.0W			2,000	MODERATE	5 LISBON
	1	1556		29.4N	113.1E		VII	MANY	LIMITED	48 CHINA
23	1	1556		34.5N	109.7E		XI	830,000	EXTREME	2,3,48,51,52,55
24	1	1556		46.9N	13.7E				SEVERE	93,149 CENTRAL EUROPE: PROBABLY KARTEN
10	5	1556		41.0N	29.0E				MODERATE	149 TURKEY: ROSANNA, NEAR ISTANBUL
3	12	1556		38.8N	101.1E	5.0			UNKNOWN	52 CHINA
		1560		24.2N	102.7E		VII	10	LIMITED	48 CHINA
25	7	1561		37.4N	106.0E			1,000	MODERATE	48 CHINA
31	7	1561		40.5N	14.7E			600		55,151 ITALY: PICERNI
31	7	1561		40.8N	15.3E		X	550	MODERATE	93 ITALY: TITO,BUCCINO
4	8	1561		38.0N	112.0E			GREAT	SEVERE	96 CHINA: SHENSI,KANSU;SHANSI PROVINCES,TAI YUAN
		1562		33.5S	70.9W				UNKNOWN	5 CHILE: SANTIAGO
28	10	1562		38.0S	74.0W			MANY	LIMITED	148,157 CHILE (TSUNAMI); 157 MAY HAVE BEEN ONLY A STORM
20	7	1564		44.3N	4.7E		IX	500	SEVERE	93 ITALY: BOLLENE
20	07	1564	1800	43.0N	8.0E			500	EXTREME	116 FRANCE: NICE-LA BOLLENE
20	7	1564		44.0N	7.2E		X	900	SEVERE	159 FRANCE: LA BOLLENE
25	4	1568		37.8N	116.0E				SEVERE	55 CHINA: CHIHILI,PEKIN,LETING,YUNGPING,CASTLE OF N
15	5	1568		34.4N	109.0E		IX	200	MODERATE	48 CHINA
		1570		33.5S	70.9W				UNKNOWN	5 CHILE: SANTIAGO
		1570		33.0S	71.5W				UNKNOWN	5 CHILE: VALPARAISO (TSUNAMI)
8	2	1570	1300	36.8S	73.0W	8.0		0	LIMITED	2,148,157 CHILE: OLD CONCEPTION-PENCO (TSUNAMI)
17	11	1570		45.3N	11.4E		IX	125	UNKNOWN	93 ITALY: FERRARA,BOLOGNA,PADOUE,VENICE,TREVISO
9	9	1571		24.1N	102.7E		VIII	10	LIMITED	
	5	1574		46.2N	6.2E		VII		SEVERE	155 SWITZERLAND
8	9	1575		0.2S	78.6W			MANY	UNKNOWN	92 ECUADOR
8	9	1575		0.2S	78.6W	7.5		MANY	UNKNOWN	104 ECUADOR

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
16	12	1575	2000	39.5S	73.1W		8.5	120	LIMITED	2,157	CHILE: VALDIVIA(TSUNAMI)
16	12	1575		33.5S	70.0W					55	CHILE: SANTIAGO
13	3	1577		25.0N	98.6E		VIII	170	MODERATE	48	CHINA
17	6	1578		12.5S	77.0W				MODERATE	102	PERU: LIMA,CALLAO
		1582		40.6N	14.1E				MODERATE	151	ITALY: PUZZUOLO
22	1	1582		16.0S	72.0W		X	MANY	MODERATE	102	PERU: AREQUIPA
01	03	1584	0830	46.0N	6.0E			100	SEVERE	116	SWITZERLAND: GENEVA-YVORNE
1	3	1584	1100	46.2N	7.0E		VII		LIMITED	155	SWITZERLAND
3	3	1584		46.2N	7.0E		V	MANY	SEVERE	155	SWITZERLAND
4	3	1584		46.3N	7.0E		V	MANY	SEVERE	155	SWITZERLAND
	3	1586		25.3N	100.3E		VII	10	LIMITED	48	CHINA
9	7	1586		12.5S	77.0W			20	LIMITED	102	PERU: LIMA
3	9	1587		0.2S	78.5W		7.5	FEW	MODERATE	47,92,104	ECUADOR
	11	1587		37.1N	8.0W		X	170	UNKNOWN	93	SPAIN: LOULE
9	8	1588		24.0N	102.8E		VIII	SOME	UNKNOWN	48,96	CHINA
7	7	1590		35.4N	103.9E			GREAT	SEVERE	48,96	CHINA: KANSU PROVINCE,SI NING
7	8	1590		0.5S	78.2W				MODERATE	47	QUITO
5	9	1590		45.9N	16.3E		X	MANY	SEVERE	93	HUNGARY: NAGY KANIZSA/YUGOSLAVIA:ZAGREB
15	9	1590		48.3N	15.5E		X	MANY	SEVERE	93	KAMP
		1596		33.3N	131.7E			708	SEVERE	97	JAPAN
2	7	1596		35.0N	136.0E			MANY	SEVERE	73	JAPAN
1	9	1596		33.3N	131.7E		6.9	708	LIMITED	56	(TSUNAMI)
1	9	1596		33.0N	132.0E			700	UNKNOWN	137	JAPAN: OITA (TSUNAMI)
2	7	1596		35.0N	136.0E			2,000		137	JAPAN: HUSIMI
28	7	1597		38.0N	9.0W				MODERATE	5	LISBON
22	7	1598		38.0N	9.0W				MODERATE	5	LISBON
03	02	1599	2000	10.0N	65.2W			60	SEVERE	118	VENEZUELA: BAILADORES
24	6	1599	1720	14.6N	121.0E					55	PHILIPPINES: MANILA
25	6	1599	0320	14.6N	121.0E		IX		LIMITED	72	MANILA
<b>1600</b>											
19	2	1600		16.0S	72.0W		IX		MODERATE	102	PERU: AREQUIPA
	11	1600		14.6N	121.0E		VI		MODERATE	55,72	PHILIPPINES: MANILA
	12	1600		27.0N	119.0E			GREAT	EXTREME	96	CHINA: FU KIEN PROVINCE,FOO CHOU
16	1	1601	0000	14.6N	121.0E		VIII	SEVERAL	MODERATE	55,72	PHILIPPINES: MANILA
8	9	1601	0100	46.8N	8.5E		IX	MANY	SEVERE DAMAGE	155	SWITZERLAND
23	11	1604	1830	16.5S	71.5W			23	LIMITED	111	PERU: AREQUIPA,SAN MARCOS
23	11	1604	1830	18.6S	70.2W		8.5		SEVERE	157	CHILE: ARICA; PERU: AREQUIPA
24	11	1604		16.5S	71.5W		8.5		SEVERE	2,55,151	PERU: AREQUIPA
29	12	1604		25.0N	119.5E		8.0		UNKNOWN	52	CHINA
31	1	1605		34.3N	140.4E		7.9	3,862	UNKNOWN	2,56	JAPAN (TSUNAMI)

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
31	1	1605		32.5N	138.0E			5,000		137 JAPAN: TOKAIDO (TSUNAMI)
13	7	1605		19.9N	110.5E		X	1,200	MODERATE	48,52 CHINA: KWANGTU
30	11	1606		23.6N	102.8E		IX	1,000	MODERATE	48 CHINA
		1609		38.6N	16.3E				SEVERE	5 ITALY: NICASTRO
11	7	1609		39.2N	99.0E		IX	840	MODERATE	48 CHINA
13	7	1609		39.0N	101.0E			840		55 CHINA: KANSU
19	10	1609		12.5S	77.0W				LIMITED	102 PERU: LIMA
	11	1610		17.0N	122.0E		IX		SEVERE	55,72 PHILIPPINES: E. LUZON ALONG E. SIERRA MADRE MTS
29	11	1610		47.5N	7.5E		VIII		SEVERE	155 SWITZERLAND
25	8	1611		19.5N	99.1W					55 MEXICO: MEXICO CITY, JALISCO
25	9	1611		19.5N	99.1W				SEVERE	2 MEXICO
27	9	1611		37.5N	140.0E			3,700	UNKNOWN	51,68,137 JAPAN: AIDU
	2	12	1611	40.0N	144.0E		8.1	3,000		68,137 JAPAN: YEZO (TSUNAMI)
	2	12	1611	40.0N	144.0E		8.1	1,788	UNKNOWN	69 JAPAN
	2	12	1611	38.2N	143.8E		8.1	4,000	UNKNOWN	2,51,65,68 JAPAN: SANRIKU
	2	12	1611	39.0N	143.0E		8.1	4,783	SEVERE	5,56 JAPAN (TSUNAMI)
		1613		35.3N	29.1E			MANY	UNKNOWN	151 CANDIA
26	11	1614		37.5N	138.0E		7.7	MANY	UNKNOWN	2,56,68 (TSUNAMI)
28	11	1614		37.5N	138.0E			MANY		137 JAPAN: TAKATA (TSUNAMI)
26	6	1615		35.7N	139.7E		6.4	MANY	MODERATE	150 JAPAN
	3	1616		46.8N	8.4E		VIII		SEVERE	155 SWITZERLAND
	9	1616		38.1N	142.0E		7.0		MODERATE	65 JAPAN: SENDAI CITY
	20	5	1618	19.0N	72.8E			2,000	UNKNOWN	51 INDIA: BOMBAY
	25	8	1618	46.3N	9.5E		VII	MANY	SEVERE	155 SWITZERLAND
		1619		52.3N	14.6E			MANY	SEVERE	151 GERMANY: NEAR FRANKFURT
14	2	1619	1630	7.6S	79.7W			350	SEVERE	111 PERU: TRUJILLO, PIURA, SANTA
14	2	1619		7.6S	79.7W				MODERATE	102 PERU: TRUJILLO, PIURA
30	11	1619		17.5N	122.0E		X	MANY	SEVERE	58 PHILIPPINES: N. LUZON, CAGAYAN, ISABELA
		1620		10.8N	122.5E		IX		SEVERE	55,72 PHILIPPINES: PANAY, ILOILO, CAPIZ
		1620		40.9N	71.4E			MANY	UNKNOWN	44 UZBEKISTAN
		1621		9.1N	79.6W				UNKNOWN	PANAMA
25	7	1622	0000	46.8N	10.3E		VI	SOME	LIMITED	155 SWITZERLAND
	3	8	1622	46.8N	10.3E		VII	SOME	UNKNOWN	155 SWITZERLAND
25	10	1622		36.5N	106.3E			6,000	SEVERE	55 CHINA: KANSU
25	10	1622		36.5N	106.3E		7.0	12,000	SEVERE	2,48,52 CHINA
28	6	1623		28.3N	115.6E			50	UNKNOWN	96 CHINA: KIANGSI PROVINCE, YEN HI CHAN
18	3	1624		44.7N	11.8E		X	25	SEVERE	93 ITALY: ARGENTA
	3	1626		38.8N	16.4E				SEVERE	5 ITALY: GIRIFALO
28	6	1626		39.4N	114.2E		IX	5,200	SEVERE	45 CHINA
30	7	1626		40.4N	14.1E			70,000	SEVERE	73 NAPLES
30	7	1627		41.2N	15.8E		X	5,000	SEVERE	93 ITALY: FOGGIA, TRANI, ANDRIA
		1628		13.2N	123.7E		IX		SEVERE	55,72 PHILIPPINES: S.E. LUZON, CAMALIG, ALBAY
		1629		53.6N	12.3E			MANY	UNKNOWN	151 GERMANY: MEHELBURGO

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
22	7	1630		38.3N	20.5E		IX	MANY	SEVERE	93	GREECE: LEVKAS, CEPHALONIA, ITHACA
27	11	1630		12.5S	77.0W				MODERATE	102	PERU: LIMA
		1633		33.4S	70.7W&				SEVERE	151	CHILE
28	2	1633		35.5N	139.5E			150		137	JAPAN: ODAWARA
5	11	1633		37.5N	20.3E		X	MANY	SEVERE	93	GREECE: ZANTE
	1	1634		34.0N	105.2E		VIII	30	LIMITED	48	CHINA
30	9	1636		38.0N	20.6E		X	520	UNKNOWN	93	GREECE: CEPHALONIA
8	12	1636		35.1N	107.8E			GREAT	UNKNOWN	96	CHINA: KANSU PROVINCE, LING TAI
21	12	1636		7.6N	123.7E		IX		MODERATE	55,72	PHILIPPINES: ILLANA BAY, W. MINDANAO
27	3	1638		38.9N	16.2E					55	ITALY: OPPIDO TO BISIGNANO
27	3	1638		38.8N	15.8E		XI	9,500	SEVERE	93	ITALY: COSENZA, MARTIRANO, SANTA EUFEMIA
27	3	1638		39.3N	16.2E			19,000	EXTREME	62	ITALY: CALABRIA, COSENZA
27	3	1638		38.3N	15.9E			9,571	EXTREME	5	ITALY: CALABRIA
11	6	1638	2000	46.5N	72.5W		IX	0	LIMITED	128	ST. LAWRENCE VALLEY
7	10	1639		42.6N	13.3E		X		SEVERE	93	AMATRICE
		1640		42.0N	141.0E			700	LIMITED	5	JAPAN (TSUNAMI)
	2	1640		1.7S	78.6W			5,000	SEVERE	47	ECUADOR
		1641		11.0N	67.0W			MANY	SEVERE	64	VENEZUELA: CARACAS
4	1	1641		18.2N	121.7E		X		SEVERE	55,72	PHILIPPINES: N. LUZON, APARRI
5	2	1641		38.0N	46.1E			30,000	UNKNOWN	2,51	TABRIZ, KURDISTAN
15	02	1644		43.0N	8.0E			3	SEVERE	116	VESUBIUS VALLEY, ALPS
15	02	1644		43.0N	8.0E#		VIII	150	MODERATE	159	FRANCE: NICE
19	2	1645		0.2S	78.5W			MANY	UNKNOWN	92	ECUADOR
19	2	1645		1.7S	78.6W		7.5	MANY	UNKNOWN	92,104	ECUADOR
30	11	1645	2000	14.4N	121.0E		XI	600	EXTREME	2,72	PHILIPPINES: MANILA, CAGAYAN
30	11	1645	1200	14.4N	121.0E					55	PHILIPPINES: ALL LUZON EXCEPT AMBOS, CAMARINES, A
30	11	1645		14.4N	121.0E		X	MANY	MODERATE	58	PHILIPPINES: CENTRAL LUZON, MANILA
5	12	1645	1500	16.0N	122.0E&					55	PHILIPPINES: ALL LUZON EXCEPT AMBOS, CAMARINES, A
5	12	1645	2300	16.0N	122.0E#		VII		SEVERE	72	PHILIPPINES
9	6	1646		37.7N	141.7E		7.6		SEVERE	65	JAPAN: S. SANRIKU
		1647		33.5S	70.9W				UNKNOWN	5	CHILE: SANTIAGO
		1647		33.0S	71.5W				UNKNOWN	5	CHILE: VALPARAISO (TSUNAMI)
13	5	1647		35.0S	72.0W					55	CHILE: SANTIAGO, CONCEPCION
13	5	1647		33.4S	70.7W			2,000	SEVERE	151	CHILE: SANTIAGO
14	5	1647	0330	35.0S	72.0W		8.5	1,000	MODERATE	2,51,157	CHILE: SANTIAGO
16	6	1647		36.0N	140.0E		6.4	SOME	UNKNOWN	150	JAPAN
		1648		15.0N	121.0E&		VIII		SEVERE	72	S. LUZON
29	7	1649		35.5N	140.0E			700		137	JAPAN: YEDO
<b>1650</b>											
31	3	1650		12.5S	77.0W				LIMITED	102	PERU: LIMA
13	7	1652		25.4N	100.5E		IX	3,000	MODERATE	48	CHINA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
		1653		38.4N	27.1E			2,500		55 ASIA MINOR: SMYRNA
23	2	1653		38.3N	27.1E			15,000	UNKNOWN	2,51 W.TURKEY: IZMIR
23	2	1653		38.3N	27.1E			8,000	UNKNOWN	51 W.TURKEY: IZMIR
23	2	1653		38.2N	28.2E		X	2,500	SEVERE	71 TURKEY
		1654		12.1S	76.6W			11,000	UNKNOWN	94 PERU: LIMA;CHILE
21	7	1654		34.3N	105.5E		X	12,000	SEVERE	48,52 CHINA
23	7	1654		41.4N	13.6E		X	600	SEVERE	93 ITALY: AVITO,BELLOMONTE,PONTE-CORVO
20	10	1654		40.1N	3.6E		IX	MANY	LIMITED	93 MINORCA
13	11	1655		12.5S	77.0W				MODERATE	102 PERU: LIMA
		1656		12.5S	77.0W&			11,000	MODERATE	94 PERU
		1657		12.4S	76.8W			11,000	UNKNOWN	94 PREU: LIMA,CALLAO
16	3	1657	0100	37.0S	74.0W	8.0			SEVERE	2,148,157 CHILE: OLD CONCEPTION-PENCO (TSUNAMI)
14	2	1658		8.1S	79.0W			MANY	SEVERE	111 PERU: TRUJILLO
20	4	1658	900	14.6N	121.0E					55 PHILIPPINES: MANILA
20	8	1658	1700	15.0N	121.0E&		IX		MODERATE	72 S. LUZON
		1659		37.5N	140.0E			39	MODERATE	137 JAPAN: AIDU
		1659		41.0N	29.0E				UNKNOWN	149 ISTANBUL
5	11	1659	1700	38.9N	16.6E			2,035	SEVERE	5,93,151 ITALY: UMBRIATICO,PANAIIJA,FILOGASI,POLIA
		1660		43.6N	12.3E				EXTREME	151 ITALY: TUSCAN
21	6	1660		43.1N	0.2E		IX	MANY	MODERATE	159 FRANCE: LOURDES
22	3	1661		43.5N	11.2E		XI	MANY	SEVERE	93 ITALY: FLORENCE
1	1	1662		0.2S	78.4W				MODERATE	47 ECUADOR
16	6	1662		35.5N	136.0E			600	SEVERE	137 JAPAN: YAMASIRO
30	10	1662		31.5N	132.0E			20	SEVERE	137 JAPAN: HYUGA (TSUNAMI)
		1663		12.5N	87.0W				UNKNOWN	103 NICARAGUA: LEON
5	2	1663	2230	47.6N	70.1W		X	0	LIMITED	53,128 ST. LAWRENCE VALLEY
12	5	1664	930	15.0S	75.0W		XI	400	SEVERE	111 PERU: ICA,PISEO
19	6	1665		14.6N	121.0E		VIII	19	MODERATE	55,72 MANILA
11	2	1666		37.0N	138.0E			1,500		137 JAPAN: TAKATA
		1666		36.0N	43.0E				EXTREME	57 MOSUL
11		1666		36.0N	42.5E				SEVERE	55,120 IRAQ: MOSUL;ARMENIA;PALESTINE;ASSYRIA:MENSAL
		1667		34.5N	132.0E	7			LIMITED	137 JAPAN: TUWANO
6	4	1667		42.4N	18.1E		X	5,000	SEVERE	55,73,93 YUGOSLAVIA: DUBROVNIK,RAGUSA,DALMATIA
11		1667		40.4N	47.8E			80,000	UNKNOWN	2,7,55 USSR: SHEMAKA,AZERBAIJAN
		1667		40.6N	48.6E	12	6.9	80,000	EXTREME	44,73 USSR: SHEMAKH
17	12	1667		41.7N	47.3E	30	6.5	93	UNKNOWN	44 USSR: NORTHERN CAUCASUS
		1668		38.5N	27.2E		IX	2,000	MODERATE	71 TURKEY
5		1668		24.0N	68.0E				SEVERE	100 INDIA: DELTA OF THE INDUS
5		1668		24.0N	68.0E				EXTREME	5 INDIA: SAMAWANI (SAMAJI),DELTA OF INDUS R.
10	7	1668		38.4N	26.9E		X	17,500	SEVERE	71 TURKEY
25	7	1668		35.3N	118.6E		XII	50,000	EXTREME	2,48,52 CHINA: SHANTUNG P.
4	1	1669		40.6N	48.6E	5	5.7	7,000	SEVERE	44 USSR: SHEMAKH
17	7	1670		47.2N	11.4E		IX		SEVERE	93 AUSTRIA: INNSBRUCKHALL,SCHWAZ



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
1	1	1671		40.6N	48.6E			MANY	MODERATE	44 USSR: SHEMAKH
14	4	1672		44.0N	12.5E		X	1,500	SEVERE	55,73,93 ITALY: RIMINI
1	1	1674		39.4N	19.6E		IX	200	UNKNOWN	93 GREECE: KERKYRA
12	2	1674		3.5S	128.2E			2,342	UNKNOWN	51 INDONESIA, AMBOINA
2	1675			13.4N	121.1E		VIII		MODERATE	55,72 PHILIPPINES: S. LUZON, MINDORO, BATANGAS
13	4	1677		38.7N	144.0E		8.1		UNKNOWN	2,55,65 JAPAN: SANRIKU, TSUGARU, NAMBU
4	11	1677		36.6N	141.5E		7.4	203	LIMITED	56 (TSUNAMI)
17	6	1678	45	12.5S	77.0W			MANY	MODERATE	102,111 PERU: LIMA
2	10	1678		38.6N	142.0E		7.4	1	MODERATE	65 JAPAN: SANRIKU, RIKUCHU
4	6	1679		40.1N	44.7E	15	5.9	7,600	EXTREME	44 ARMENIA: DVINA
2	9	1679		40.0N	117.0E		XI	10,000	EXTREME	48,52 CHINA
9	9	1680		25.0N	101.5E		IX	2,700	SEVERE	48 CHINA
9	10	1680	0730	36.5N	4.4W		IX	70	SEVERE	93,124 SPAIN: MALAGA
22	11	1683		38.7N	112.7E		IX	1,000	SEVERE	48 CHINA
4	1687			36.3N	59.5E				MODERATE	55 PERSIA: MACHAT
20	10	1687		12.8S	77.0W			5,000	SEVERE	55,94 PERU: LIMA (TSUNAMI)
20	10	1687		15.0S	75.0W		IX	200	SEVERE	102 PERU: LIMA, AREQUIPA
20	10	1687	1130	12.8S	77.0W			600	SEVERE	111 PERU: LIMA
22	11	1687		1.3S	78.6W		7.3		MODERATE	47,104 ECUADOR
1	1688			40.2N	16.3E		X	2,000	SEVERE	93 PISTICCIO
11	4	1688		44.4N	12.0E		X	MANY	SEVERE	93 ITALY: COTIGNOLA
5	1688			24.0N	68.0E				SEVERE	95 INDIA: DELTA OF THE INDUS
5	6	1688		41.1N	14.5E		XI	3,311	SEVERE	93 ITALY: BENEVENTO
14	6	1688		26.5N	99.9E		VIII	190	MODERATE	48 CHINA
5	7	1688		38.3N	27.1E			15,000	UNKNOWN	2 AEGEAN COAST: IZMIR
10	7	1688		38.4N	27.1E			17,500		5b ASIA MINOR: SMYRNA
22	12	1689		47.7N	10.9E		IX	19	UNKNOWN	93 AUSTRIA: INNSBRUCK, AUGBOURG
4	12	1690		46.6N	13.8E		X	20	SEVERE	93 ITALY: CARINTHIE
7	6	1692		17.8N	76.7W			2,000	UNKNOWN	51 JAMAICA: PORT ROYAL
7	6	1692		17.8N	76.7W			3,000	SEVERE	55,73 JAMAICA: PORT ROYAL
		1693		23.1N	82.4W				MODERATE	55 CUBA: HAVANA
9	1	1693		37.3N	15.1E		XI	93,000	SEVERE	93 SICILY
11	1	1693		37.3N	15.1E			60,000	UNKNOWN	3,51 ITALY: SICILY, CATANIA
9	1693			37.3N	15.1E#			100,000	SEVERE	73 SICILY
19	6	1694		40.0N	139.5E			394	SEVERE	137 JAPAN: UGO
8	9	1694		40.7N	15.7E		X	4,057	SEVERE	93 ITALY: CALITRI
25	2	1695	1230	45.4N	12.2E&		6.2		EXTREME	158 ITALY: ASOLO (TREVISO)
13	5	1695		36.0N	111.5E		8.0		UNKNOWN	52 CHINA
18	5	1695		36.0N	111.5E		X	30,000	EXTREME	48 CHINA
11	6	1695		42.5N	12.1E		IX	31	MODERATE	93 ITALY: BAGNOREA
20	6	1698	0600	1.7S	78.6W			MANY	UNKNOWN	47 ECUADOR
19	7	1698		1.3S	78.7W			THOUSANDS	SEVERE	94,51 EQUADOR: AMBATO, CARGUAYRAZO
14	7	1699		12.1S	76.6W				SEVERE	94 LIMA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
<b>1700</b>										
21	12	1701		16.5N	97.0W				SEVERE	2 MEXICO: OAXACA
14	3	1702		41.1N	14.5E		X	150	MODERATE	93 ITALY: BENEVENT
14	1	1703		42.2N	13.3E		XI	40,000	EXTREME	93 ITALY: APENNEINE CENTRAL, NORCIA, AQUILA
14	1	1703		43.1N	12.4E					55 ITALY: NORCIA IN PERUGIA
2	2	1703		42.2N	13.3E			5,000	SEVERE	73 ITALY: AQUILA
		1703		35.4N	139.4E			200,000	SEVERE	73 JAPAN: JEDDO
30	12	1703	1700	35.0N	140.0E		8.2	5,233	EXTREME	2,3,55,68,97,137 JAPAN: MUSASHI, TOKYO, ODAWARA, (TSUNAMI)
31	12	1703		34.7N	139.8E			56	LIMITED	56 (TSUNAMI)
		1704		41.0N	139.5E			58	MODERATE	137 JAPAN
18	9	1704		38.0N	116.5E			MANY	UNKNOWN	48,96 CHINA: CHI-LI, HO KIEN, TUNG KUANG
26	11	1705		18.6S	70.2W				SEVERE	148 CHILE: ARICA (TSUNAMI)
20	4	1706		63.9N	21.2W		X		SEVERE	93 OELFUS
3	11	1706		41.6N	14.6E#		X	1,000	SEVERE	93 ITALY: SULMONA TO CAMPOBASSO
3	11	1706		41.6N	14.6E#			15,000	UNKNOWN	73 ABRUZZI
3	11	1706		41.6N	14.6E					55 ITALY: CAMPOBASSO
17	9	1707	1648	13.0S	72.0W			160		102 PERU: CUZCO
28	10	1707		32.5N	136.0E		8.4	4,900	UNKNOWN	2,68,137 JAPAN: TOKAIDO, TOSA (TSUNAMI)
28	10	1707	0400	33.5N	133.5E			4,900	EXTREME	97 JAPAN
28	10	1707		33.5N	133.5E#			30,000	EXTREME	56 JAPAN (TSUNAMI)
14	10	1709		37.4N	105.3E		X	2,032	SEVERE	48 CHINA: NINGSIA P.
		1711		35.5N	133.0E			4	MODERATE	137 JAPAN: MIMASAKA
16	8	1711		19.9N	100.0W					55 MEXICO: TLAXCALA, GUADALAJARA
16	9	1711		19.1N	103.5W			SEVERAL	UNKNOWN	2 MEXICO: COLIMA
26	2	1713		25.4N	103.2E		IX	2,100	SEVERE	48 CHINA
4	9	1713		32.0N	103.7E		VIII	MANY	LIMITED	48,96 CHIAN
28	4	1714		36.5N	138.0E			56	LIMITED	137 JAPAN: OOMATI
5	1715			36.5N	2.6E			20,000	UNKNOWN	2,51 ALGIERS
5	8	1715		36.5N	2.6E			20,000	UNKNOWN	51 ALGIERS
3	2	1716		36.9N	2.9E			20,000	EXTREME	5 ALGIERS (FEB. AND MAY COMBINED)
6	2	1716		18.0S	70.3W			MANY	LIMITED	111 PERU: PUEBLO DE TORATA IN TACNA
		5 1716		36.5N	2.6E			20,000	UNKNOWN	55,73 ALGIERS
19	6	1716		35.0N	105.2E		7.5		UNKNOWN	52 CHINA: KANSU P.
24	9	1716		13.6N	121.1E		VII		SEVERE	72 TAAL VOLCANO, MANILA, RIZAL, LAGUNA, CAVITE, BATANG
13	5	1717		39.0N	142.7E		7.6		UNKNOWN	65 JAPAN: HANAMAKI
5	8	1717		36.9N	2.9E			20,000	UNKNOWN	51 ALGERIA: ALGIERS
19	6	1718		35.0N	105.2E		X	43,000	EXTREME	48 CHINA
6	3	1719		36.2N	37.3E				LIMITED	55 ASIA MINOR: SMYRNA, ALEPPO
12	7	1720		40.4N	115.5E		IX	MANY	MODERATE	48 CHINA
15	7	1720		29.0N	77.5E#			MANY	MODERATE	95 INDIA: DELHI
15	7	1720		29.0N	77.5E			MANY	LIMITED	95,100 INDIA: DELHI

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
20	12	1720	0430	47.4N	9.5E		VIII		SEVERE	155	SWITZERLAND
26	4	1721		38.0N	46.2E#			10,000	UNKNOWN	51	IRAN: TABRIZ P.
26	4	1721		38.0N	46.2E			8,000		55	PERSIA: TABRIZ
22	5	1722		38.0N	23.4E		IX	MANY	SEVERE	93	GREECE: ATHENS
27	12	1722		37.0N	8.0W		X	MANY	UNKNOWN	93	SPAIN: L'ALGARVE
		1724		12.1S	77.1W				SEVERE	148	PERU: CALLAO (TSUNAMI)
7	1	1725	0425	8.1S	79.0W			1,500	MODERATE	111	PERU: TRUJILLO,ANCASH
8	1	1725		25.1N	103.1E		VIII	556	MODERATE	48	CHINA
1	9	1726		38.1N	13.4E#		IX	250	MODERATE	93	ITALY: PALERMO,MARSALA,MAZZARA
1	9	1726		38.1N	13.4E#			6,000	SEVERE	55,73	PALERMO
18	11	1727		38.0N	46.2E			77,000	LIMITED	2,55	PERSIA: TABRIZ
28	11	1728		14.4N	121.0E		IX		MODERATE	72	MANILA,S. LUZON
1	8	1729		37.5N	137.0E			5	MODERATE	137	JAPAN: NOTO
		1730		14.1N	121.4E		IX		MODERATE	72	TAYABAS,LAGUNA
		1730		36.9S	73.0W				UNKNOWN	5	CHILE: CONCEPCION
28	3	1730		44.0N	10.1E		IX	MANY	UNKNOWN	93	ITALY: MASSA DI CARRARA
12	5	1730		42.8N	13.0E		X	200	SEVERE	93	ITALY: NORCIA
8	7	1730	0945	33.0S	72.0W		8.5		MODERATE	2,148,157	CHILE: RIO ACONCAGUA (TSUNAMI)
8	7	1730		36.9S	73.0W				EXTREME	5	CHILE: CONCEPCION (TSUNAMI)
9	7	1730		36.9S	73.0W				UNKNOWN	5	CHILE: CONCEPCION (TSUNAMI)
30	9	1730		40.0N	116.2E		VIII	300	EXTREME	48	CHINA
30	12	1730		43.3N	142.5E			137,000	UNKNOWN	3	JAPAN: HOKAIDO
30	11	1731		39.6N	116.2E			100,000	UNKNOWN	73	CHINA: PEKING
16	9	1732	1600	45.5N	73.6W		IX	7	LIMITED	128	ST. LAWRENCE VALLEY
29	11	1732		41.1N	15.2E#		XI	1,940	SEVERE	73,93	ITALY: CAMPANIETO TO LUCANIA
29	11	1732		41.1N	15.2E					55	ITALY: ARIANO
2	8	1733		26.2N	103.1E		X	26	LIMITED	48	CHINA
29	11	1733		15.7N	39.0E			SOME	UNKNOWN	134	ETHIOPIA
30	1	1736		23.1N	120.3E		VIII	260	LIMITED	48	CHINA
5	12	1736		0.9S	78.6W				MODERATE	47	ECUADOR
11	10	1737		22.5N	88.4E			300,000	MODERATE	2,3,7,51,55,95	INDIA: CALCUTTA
3	1	1739		38.9N	106.5E		X	50,000	EXTREME	48,57	CHINA
16	8	1739		40.7N	142.3E		7.1		MODERATE	65	JAPAN: N. SANRIKU,MUTSU
24	4	1741		43.2N	12.6E		X		SEVERE	93	ITALY: FABRIANO
		1743		13.4N	121.4E				MODERATE	72	TAYABAS
12	8	1743	100	14.2N	121.0E					55	PHILIPPINES: S. LUZON,MANILA,RIZAL,LAGUNA,CAVIT
28	10	1746		12.5S	77.0W#			18,000	SEVERE	73	PERU: LIMA,CALLAO
29	10	1746	330	12.5S	77.0W#		X	4,941	EXTREME	111	PERU: LIMA (TSUNAMI)
28	10	1746		12.5S	77.0W			7,141	EXTREME	102	PERU: LIMA
28	10	1746		12.1S	77.1W			4,800	EXTREME	56,148	PERU: CALLAO (TSUNAMI)
23	2	1748		31.3N	103.4E		VII	2	LIMITED	48	CHINA
23	3	1748		39.5N	0.4W		X	MANY	MODERATE	93	VALENCIA
29	8	1748		30.5N	101.5E		VII	5	LIMITED	48	CHINA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
21	11	1748		36.4N	106.1E		VII	40	LIMITED	48	CHINA
25	3	1749		39.5N	0.4W			5,000	UNKNOWN	51	SPAIN: VALENCIA
12	8	1749	900	13.6N	121.1E		IX		SEVERE	72	TAAL VOLCANO
<b>1750</b>											
7	6	1750		36.2N	23.0E		X	2,000		2,55,93	GREECE: MOREA,CERIGO
15	9	1750		24.7N	102.9E		VII	37	LIMITED	48	CHINA
17	12	1750		45.2N	14.2E		IX	MANY	SEVERE	93	YUGOSLAVIA: FIUME
25	3	1751		36.9S	73.0W				UNKNOWN	5	CHILE: CONCEPCION
20	5	1751		37.5N	138.0E	6.6		2,000	SEVERE	2,6,68	
		1751		37.5N	138.0E			2,000	EXTREME	137	JAPAN: TAKATA
24	5	1751	0630	36.9S	73.0W				UNKNOWN	5	CHILE: CONCEPCION
25	5	1751	0600	37.0S	74.0W			30	EXTREME	148,157	CHILE: OLD CONCEPTION-PENCO (TSUNAMI)
25	5	1751		26.5N	99.9E		IX	900	SEVERE	48	
18	10	1751		18.5N	70.7W				SEVERE	146	HISPANIOLA
21	6	1752		35.0N	36.0E&			20,000	UNKNOWN	51	SYRIA: COAST REGIONS
15	5	1754	2100	13.6N	121.1E		X		EXTREME	72	TAAL VOLCANO
15	5	1754	1300	13.9N	121.0E					55	PHILIPPINES: S. LUZON,BATANGAS
		1754		30.0N	32.0E			40,000	SEVERE	55,73	GRAND CAIRO
27	1	1755		24.7N	102.2E		VIII	270	MODERATE	48	
8	2	1755		23.8N	102.7E		VIII	70	MODERATE	48	
26	4	1755		0.2S	78.5W			MANY	SEVERE	47	ECUADOR
26	4	1755		0.2S	78.7W			MANY	MODERATE	106	ECUADOR: QUITO
7	6	1755		34.0N	51.5E			40,000	SEVERE	2,7,55	N. PERSIA: TABRIZ,KASCHAN
1	11	1755		36.0N	11.0W			60,000	UNKNOWN	2,3,51	PORTUGAL: LISBON (TSUNAMI)
1	11	1755		36.0N	11.0W			62,000	EXTREME	73	PORTUGAL: LISBON;SPAIN;MOROCCO
1	11	1755		36.0N	11.0W		XI	8,000	SEVERE	93	LISBON
1	11	1755	1016	38.0N	9.0W			55,000	EXTREME	5	LISBON (TSUNAMI)
18	11	1755	0911	42.5N	70.0W		VIII	0	LIMITED	53,128	E. OF CAPE ANN,MASS.
19	11	1755		34.1N	5.3W				SEVERE	5	AFRICA: MEQUINEZ
9	12	1755	1330	46.3N	8.0E		VIII		SEVERE	155	SWITZERLAND
11	3	1756		38.0N	9.0W				UNKNOWN	5	PORTUGAL: LISBON
1	3	1757		38.7N	9.4W				UNKNOWN	5	PORTUGAL: CASCAES
6	8	1757		37.0N	15.0E		IX	10,000	SEVERE	51,55,93	ITALY: SYRACUSE
26	6	1759		41.0N	24.0E				SEVERE	149	THESSALONIKI;PLOVDIV
30	10	1759		33.3N	35.7E#			20,000	SEVERE	2,51,55,73	SYRIA: BAALBEC,SAPHET
25	11	1759		33.3N	35.7E#			30,000	UNKNOWN	3,7,51	LEBANON,SYRIA: BAALBEC
26	11	1759		33.3N	35.7E#					55	ALEPPO,SAPHET,DAMASCUS,TRIPOLI
31	3	1761	1300	38.0N	9.0W			0	INSIGNIFICANT	5	PORTUGAL: LISBON
23	5	1761		24.4N	102.5E		VIII	120	MODERATE	48	
3	11	1761		24.4N	102.5E		VII	50	MODERATE	48	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
2	4	1762		22.0N	92.0E				SEVERE	95,100 INDIA: CHITTAGONG
29	1	1763		40.8N	142.0E		7.4		UNKNOWN	65 JAPAN: N. SANRIKU,MUTSU
15	3	1763		40.7N	142.0E		7.4	MANY	MODERATE	56,65 JAPAN: HACHINOHE CITY (TSUNAMI)
28	6	1763		47.5N	18.1E		X	83	LIMITED	93 HUNGARY: KOMARNO,GYOR
30	12	1763		24.3N	102.8E		VIII	1,000	MODERATE	48
9	2	1765		44.7N	82.9E		VIII	1	UNKNOWN	48
1	5	1765		35.3N	103.9E		VII	6	LIMITED	48
2	9	1765		34.8N	105.0E		IX	1,189	EXTREME	48
		1766		14.5N	89.3W				MODERATE	107 GUATEMALA: CHIQUIMULA,QUETZAL,LENANGO
		1766		41.0N	141.0E			1,335	EXTREME	137 JAPAN: HIROSAKI
7	12	1766	0245	14.2N	121.0E		VII		LIMITED	55,72 MANILA
14	7	1767		39.3N	16.2E#		X	40	SEVERE	93 ITALY: CRATI
14	7	1767		39.3N	16.2E				MODERATE	62 ITALY: CALABRIA,COSENZA
13	11	1767	725	14.2N	121.0E		VII		MODERATE	55,72 PHILIPPINES: MANILA
19	10	1768		44.0N	12.0E		X	120	SEVERE	93 ITALY: SANTA SOFIA
		1769		46.9N	9.5E		V		SEVERE	155 SWITZERLAND
1	5	1769		33.0N	44.5E				MODERATE	57 BAGHDAD
1	5	1769		33.0N	44.5E#				SEVERE	120 BAGHDAD
		1770		38.7N	30.7E				MODERATE	55 GREECE: ST. MAURA
27	5	1770		38.6N	142.0E		7.4	SOME	UNKNOWN	65 JAPAN: MORIOKA
		1770	2300	14.2N	121.0E#		VIII		MODERATE	72 MANILA
1	2	1771		14.2N	121.0E#		VIII		SEVERE	55,72 MANILA
24	4	1771		24.5N	124.5E			11,700	UNKNOWN	51 RYUKYU IS.
24	4	1771		24.5N	124.5E			9,400	UNKNOWN	68 RYUKYU IS.
24	4	1771		24.0N	124.3E		7.4	11,941	SEVERE	56 RYUKYU IS. (TSUNAMI)
3	6	1772		39.3N	142.7E		7.4	SOME		65 JAPAN: SANRIKU,RIKUZEN,RIKUCHU
3	6	1773		14.6N	91.2W			20,000		55 GUATEMALA: ST. JAGO (SANTIAGO)
29	7	1773		14.6N	91.2W			100	UNKNOWN	2,55 GUATEMALA: SANTIAGO;CHILE:COPIAPO
10	6	1773		14.3N	90.4W			100	UNKNOWN	51 GUATEMALA: ANTIGUA
		1773		14.3N	90.4W				EXTREME	107 GUATEMALA: ANTIGUA
21	2	1774	1900	37.2N	77.4W		VII		UNKNOWN	128 E.VIRGINIA
		1774		47.0N	55.0W&			300	UNKNOWN	146 NEWFOUNDLAND (TSUNAMI)
		1774		4.6N	52.2W				SEVERE	94 CAYENNE
10	9	1774	1525	46.9N	8.7E		VIII	SOME	SEVERE	155 SWITZERLAND
		1775		20.0N	75.8W				SEVERE	146 CUBA: SANTIAGO (TSUNAMI)
21	10	1776	500	6.0N	58.0W				MODERATE	94 BERBICE
		1776		23.5N	120.5E			MANY	LIMITED	48,96 CHINA: TAIWAN,CHOU-LOUD MOUNTAINS
15	12	1778		33.9N	51.3E				SEVERE	130 IRAN: KASHAN
		1779		38.0N	46.2E#			100,000	UNKNOWN	51 IRAN: TABRIZ P.
		1780		38.0N	46.2E#			100,000	UNKNOWN	51 IRAN: TABRIZ P.
		1780		38.0N	46.2E#			MANY	SEVERE	73 TAURIS
2	1780			38.0N	46.2E			40,000		55 PERSIA: TABRIZ
10	1780			35.2N	25.1E				LIMITED	55 GREECE: CANDIA ISLAND

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
		1781		36.0N	42.5E			80	MODERATE	120	MOSUL
3	6	1781		43.6N	13.5E		X		SEVERE	93	ITALY: MARCHES
4	2	1783		39.3N	16.2E			30,000	UNKNOWN	3,7,51	ITALY: CALABRIAY
4	2	1783		39.3N	16.2E			50,000	UNKNOWN	7	ITALY: CALABRIAY
		1783		39.3N	16.2E			60,000	UNKNOWN	2	ITALY: CALABRIAY
5	2	1783		39.3N	16.2E			MANY	SEVERE	73	ITALY: MESSINA, SICILY
5	2	1783		39.3N	16.2E		XI	30,145	EXTREME	93	ITALY: CALABRIA
5	2	1783	1300	38.3N	15.9E			30,000	EXTREME	5	ITALY: CALABRIA AT PALMI
6	2	1783	0215	38.3N	15.9E			1,504	UNKNOWN	5	ITALY: PALMI (TSUNAMI)
7	2	1783	0330	38.3N	15.9E				UNKNOWN	5	ITALY: PALMI
7	2	1783	0445	38.2N	15.8E				UNKNOWN	5	ITALY: PALMI
		1783		38.7N	15.9E					55	ITALY: CALABRIA, MESSINA
1	3	1783	0315	38.7N	16.1E				SEVERE	5	ITALY: MONTELEONE
20	3	1783		38.7N	30.7E		X	26	UNKNOWN	93	AMAXIKI
27	3	1783	2000	38.7N	16.4E			1,141	SEVERE	5	ITALY: MONTELEONE
26	4	1783		38.1N	15.4E				UNKNOWN	5	ITALY: MILAZZO
11	6	1783		38.1N	15.7E				UNKNOWN	5	ITALY: REGGIO
29	7	1783		38.3N	16.3E				SEVERE	5	ITALY: GERACE
		1783		40.6N	23.0E				UNKNOWN	149	THESSALONIKI
19	1	1784		38.2N	15.6E				UNKNOWN	5	ITALY: FOSSA, CATONA (TSUNAMI)
13	5	1784	1235	16.5S	71.5W		IX	54	MODERATE	55,111	PERU: AREQUIPA
23	7	1784		39.7N	39.5E			5,000	SEVERE	55,73	TURKEY: ERZERUM, ERZINGAM
14	8	1784		63.8N	20.5W				SEVERE	55	ICELAND: SOUTHLAND, ARNESSYSLA, BANGAR, SYSLSA
15	8	1784		40.9N	0.3E		XI		MODERATE	93	SPAIN: L'ARNES SYSEL
14	10	1784		38.3N	16.3E				UNKNOWN	5	ITALY: GERACE
30	1	1785		38.2N	21.7E		IX	38	UNKNOWN	44,93	GREECE: PATRAS, ZANTE
18	4	1785		39.9N	98.0E		VIII	36	MODERATE	48	CHINA
15	7	1785		4.5N	74.6W				MODERATE	110	COLOMBIA: SANTA FE
5	2	1786		39.6N	19.8E		X	126	UNKNOWN	93	GREECE: KERKYRA
5	2	1786		39.5N	19.6E			120		55	GREECE: CORFU, ARGO
1	6	1786		29.9N	102.3E		IX	431	MODERATE	48	CHINA
1	8	1786		29.9N	102.3E		7.5		UNKNOWN	52	CHINA
		1787		10.8N	122.5E#		X	MANY	MODERATE	58	PHILIPPINES: PANAY, CAPIZ, ILOILO
13	5	1787	1222	10.8N	122.5E					55	PHILIPPINES: PANAY, ILOILO, ANTIQUE
13	7	1787	1223	10.8N	122.5E					55	PHILIPPINES: PANAY, ILOILO, CAPIZ, ANTIQUE, GUIMAR
13	7	1787	0700	10.8N	122.5E		X	MANY	SEVERE	72	PANAY ISLAND
27	7	1788		55.0N	161.0W			SOME	INSIGNIFICANT	128	ALASKA: SANAK I., SHUMAGIN IS., ALASKA PENINSULA
12	10	1788		14.0N	61.0W			900		55	WEST INDIES: ST. LUCIA
7	6	1789		24.2N	102.8E		IX	1,000	MODERATE	48	CHINA
30	9	1789		45.5N	12.3E		X	500	SEVERE	93	ITALY: CITTA DI CASTELLO, SAN DEPOLCRO
7	11	1789		34.6N	110.3E			SOME	UNKNOWN	48	CHINA
		1791		14.6N	91.5W				SEVERE	107	GUATEMALA, SAN MARCOS
19	5	1791	300	41.5N	72.5W		VIII		UNKNOWN	128	CONNECTICUT: EAST HADDAM

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
12	10	1791		38.5N	16.1E		IX	15	MODERATE	93	ITALY: MONTELEONE, SORIAN
12	10	1791		38.2N	15.8E			15	MODERATE	5	ITALY: MONTELEONE
13	10	1791		40.2N	14.2E		VIII		MODERATE	93	ITALY: CAPRI
22	10	1791		37.5N	20.3E		X	22	SEVERE	93	GREECE: ZANTE
23	3	1792		32.5N	130.0E			15,200	EXTREME	137	JAPAN: HIZEN (TSUNAMI)
21	5	1792		32.5N	130.0E			15,000	UNKNOWN	51,68	JAPAN
7	8	1792		23.6N	120.5E		IX	252	SEVERE	48	CHINA
7	9	1792		30.5N	101.5E		VIII	205	MODERATE	48	CHINA
8	2	1793	0330	41.0N	140.5E			12	LIMITED	97	JAPAN
8	2	1793		41.0N	140.0E			12	LIMITED	137	JAPAN: W. TUGARO
17	2	1793		38.3N	142.4E		7.1	733	LIMITED	56	(TSUNAMI)
17	2	1793		38.3N	142.4E		7.1	25	MODERATE	65	JAPAN: SANRIKU, RIKUZEN, RIKUCHU
15	5	1793		30.5N	101.5E		VIII	200	LIMITED	48	CHINA
26	2	1796		35.2N	35.8E			1,500	UNKNOWN	2,55	W. SYRIA: LATAKIA
18	3	1796		40.5N	13.9E			7	MODERATE	93	CASAMICCIOLA
		1796		14.6N	121.0E		IX		SEVERE	72	MANILA
		1796		27.3S	70.5W				UNKNOWN	5	CHILE: COPIAPO
		1796		14.2N	121.0E					55	PHILIPPINES: MANILA
4	2	1797	1230	1.6S	78.6W				SEVERE	92	ECUADOR
4	2	1797		1.0S	78.6W			40,000	EXTREME	3,51,55,73	ECUADOR: QUITO, RIOBAMBA, LATACUNGA, AMBATO
4	2	1797	1230	1.7S	78.7W		7.3	6,406	SEVERE	47,104,106	ECUADOR: RIOBAMBA
4	12	1797		10.5N	64.5W			16,000	UNKNOWN	55,103	VENEZUELA: CUMANA, CARIACO
26	5	1798		43.5N	11.2E		X		SEVERE	93	ITALY: FLORENCE
		1799		10.0N	84.0W				SEVERE	103	COSTA RICA: CARTAGO
28	7	1799		43.1N	13.0E		X	60	SEVERE	93	ITALY: CAMERINO
27	8	1799		23.8N	102.4E		IX	2,000	SEVERE	48	CHINA
<b>1800</b>											
26	2	1800		38.0N	9.0W				UNKNOWN	5	LISBON
11	10	1800		37.0N	121.5W			0	LIMITED	128	CALIF.
14	5	1801	2130	46.9N	8.6E		IV	SOME		155	SWITZERLAND (ROCKSLIDE)
12	5	1802	0930	45.5N	10.0E		IX		MODERATE	93	ITALY: SOCINO
26	10	1802	1055	45.7N	26.6E	150	7.4		MODERATE	44	USSR: CARPHTIAN FOLD, VRANCH REGION
9	12	1802	0500	37.8N	138.2E			19	MODERATE	97	JAPAN
28	12	1802		38.0N	138.0E			20	MODERATE	137	JAPAN: SADO
1	2	1803		25.6N	100.6E		VIII	200	LIMITED	48	CHINA
1	9	1803		22.5N	88.4E				SEVERE	55	INDIA: CALCUTTA, BARAHAL, BADRINATH
1	9	1803		27.5N	77.5E				SEVERE	95,100	INDIA: MUTRA
8	6	1804	0130	38.2N	21.8E		X	SOME	UNKNOWN	99	GREECE
10	7	1804	1500	39.2N	140.0E			300	SEVERE	97	JAPAN
10	7	1804		39.0N	140.0E			333	SEVERE	137	JAPAN: KISAKATA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
25	8	1804		36.9N	2.4W		X	162	UNKNOWN	93	SPAIN: DALIAS
25	8	1804	0700	36.9N	2.4W		X	4	MODERATE	99	SPAIN
26	7	1805	2057	41.2N	14.7E		XI	5,600	EXTREME	99	ITALY
26	7	1805		41.2N	14.7E		X	6,573	SEVERE	93	ITALY: MOLISE, TERRE DE LABOUR, ISERNI
26	7	1805		41.2N	14.7E			6,000	UNKNOWN	73	FROSOLONE, NAPLES
26	7	1805		41.2N	14.7E					55	ITALY: FROSOLONE, BOIANO, VINCHIATURO
25	3	1806		19.2N	103.7W				UNKNOWN	55	MEXICO: ZAPOTLAN, COLIMA, OAXACA, MICHOACAN
25	3	1806		19.2N	103.7W			MANY	MODERATE	2	MEXICO: JALISCO
		1808		0.2S	78.3W				MODERATE	94	QUITO
		1810		40.0N	140.0E		59		MODERATE	137	JAPAN: OGA
16	2	1810		35.5N	25.0E		X	2,000	SEVERE	2,51,55,93,99	CANDIE, CRETE
20	3	1810		28.2N	16.6W		IX	MANY	UNKNOWN	99	TENERIFFE I. (VOLCANIC?)
18	3	1811		25.2N	121.3E			14	LIMITED	48	CHINA
27	9	1811		31.7N	100.3E		VIII	480	LIMITED	48	CHINA
5	10	1811		13.1N	123.9E		IX		MODERATE	72	CAMARINES PROVINCE
5	10	1811		13.1N	123.9E					55	PHILIPPINES: S.E. LUZON, ALBAY
16	12	1811	0800	36.6N	89.6W		XII	SEVERAL	LIMITED	7,52,128	MISSOURI: NEW MADRID
		1812		11.0N	67.0W			40,000	EXTREME	64	VENEZUELA
23	1	1812	1500	36.6N	89.6W		XII		UNKNOWN	128	MISSOURI: NEW MADRID
7	2	1812	945	36.6N	89.6W		XII		UNKNOWN	128	MISSOURI: NEW MADRID
8	3	1812		43.7N	83.0E		7.5		UNKNOWN	52	CHINA
16	3	1812		10.3N	66.6W			12,000	UNKNOWN	73	CARACAS
22	3	1812		41.5N	12.4E		VIII		MODERATE	93	ITALY: ROME
26	3	1812		8.5N	71.0W			20,000	SEVERE	2,3,51	VENEZUELA: CARACAS
26	3	1812		8.5N	71.0W					55	VENEZUELA; COLOMBIA: MERIDA
7	12	1812		35.4N	139.6E		6.6	MANY	UNKNOWN	150	JAPAN
8	12	1812	1500	34.0N	118.0W		IX	40	MODERATE	128	CALIF.: SAN JUAN CAPISTRANO
21	12	1812	1900	34.0N	120.0W		X	0	MODERATE	128	CALIF.: PURISIMA
30	3	1813	0930	14.1S	75.4W			32	MODERATE	111	PERU: ICA
2	2	1814		13.1N	123.9E		VII		SEVERE	55,72	PHILIPPINES: S.E. LUZON, ALBAY
4	2	1814		35.8N	114.4E		VII	4	LIMITED	48	CHINA
24	11	1814		23.7N	102.5E		VIII	200	LIMITED	48	CHINA
13	10	1815		25.2N	121.2E		VIII	93	LIMITED	48	CHINA
23	10	1815		34.8N	111.2E		IX	13,000	EXTREME	48	CHINA
27	11	1815		8.0S	115.2E			10,253	UNKNOWN	51	INDONESIA: BALI
11	03	1817	2010	45.9N	6.8E	8		4	SEVERE	116	FRANCE: CHAMONIX VALLEY
		4	1817	32.8N	103.7E				SEVERE	55	CHINA: CHANGLI, SZECHUAN
		5	10	1817	1645		VIII		UNKNOWN	53	MASSACHUSETTS: WOBURN
		20	2	1818	1810		X	72	MODERATE	99	ITALY: CATANIA, CALABRIA
		23	2	1818			IX		MODERATE	93	ITALY: S. REMO, ONEGLIA, ALASSIO, DIANO, CASTELLO
		8	9	1818	0937		IX	100	SEVERE	93	ITALY: MADONIA
		24	2	1819			VII	126	LIMITED	48	CHINA
				1819					UNKNOWN	5	CHILE: COPIAPO



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
4	4	1819		27.3S	70.5W		8.0		SEVERE	2,114 CHILE: COPIAPO
11	4	1819		27.3S	70.5W		8.0		MODERATE	2,114 CHILE: COPIAPO
11	4	1819		27.3S	70.5W				LIMITED	148 CHILE: COPIAPO (TSUNAMI)
26	5	1819	1700	42.5N	11.8E		IX	GREAT	SEVERE	99 ITALY
16	6	1819	0200	23.3N	71.0E#			1,543	SEVERE	2,7,51,100 INDIA: N. BOMBAY
16	6	1819		23.3N	71.0E#			>2,000	EXTREME	95 INDIA
16	6	1819		23.3N	71.0E			2,000		6,55,73 INDIA: CUTCH,AHMEDABAD,POONAH,BHOOL
16	6	1819	2330	23.0N	71.0E			1,440	SEVERE	5 INDIA: CUTCH
17	3	1820		38.8N	20.5E	N	IX		MODERATE	99 GREECE: LEVKAS
3	8	1820		34.1N	113.8E		VIII	430	SEVERE	48 CHINA
29	12	1820	0330	37.8N	21.2E		X	8	LIMITED	99 GREECE
29	12	1820		37.8N	21.2E			400		56 INDONESIA: SUMBAWA (TSUNAMI)
6	1	1821	1715	37.8N	21.2E		X	MANY	MODERATE	99 GREECE
10	7	1821	1000	16.4S	72.3W			162	SEVERE	111 CAMANA,OCONA,CARAVELI
		1822		36.1N	37.2E			20,000	SEVERE	73 ALEPPO
		1822		27.3S	70.5W				UNKNOWN	5 CHILE: COPIAPO
7	5	1822	630	10.0N	84.0W				UNKNOWN	103 COSTA RICA: CARTAGO
18	6	1822		33.0N	104.6E		VII	23	LIMITED	48 CHINA
13	7	1822		36.2N	37.3E			20,000	UNKNOWN	7,51 ASIA MINOR,ALEPPO,TURKEY
13	8	1822	1800	36.0N	36.0E		X	2,000	SEVERE	99 TURKEY
5	9	1822		36.0N	36.0E		X	20,000	EXTREME	99 TURKEY
5	9	1822		35.0N	36.0E			22,000	UNKNOWN	7,51 ASIA MINOR: ALEPPO,TURKEY
5	9	1822		35.0N	36.0E			20,000		55 ASIA MINOR: ALEPPO,DAMASCUS,CYPRUS
19	11	1822	1500	33.5S	71.8W		8.0	72	UNKNOWN	2,157 CHILE: VALPARAISO
19	11	1822		32.7S	71.5W				SEVERE	148 CHILE: VALPARAISO (TSUNAMI)
19	11	1822	1500	33.0S	71.5W				EXTREME	5 CHILE: VALPARAISO
20	11	1822	100	33.5S	71.8W					55 CHILE: COPIAPO TO VALDIVIA
19	6	1823		39.8N	20.8E		XI		SEVERE	99 GREECE
10	1823			42.7N	18.2E		IX	MANY	MODERATE	93 YUGOSLAVIA: DUBROVNIK
20	4	1824		18.4N	64.9W		VII		LIMITED	128 VIRGIN ISLANDS
29	9	1824		13.7N	121.7E		IX		MODERATE	55,72 PHILIPPINES: S.E. LUZON,TAYABAS,RIZAL,LUGUNA,NU
26	10	1824		14.2N	121.0E		IX		MODERATE	55,72 PHILIPPINES: MANILA
19	1	1825		38.6N	20.4E		X	58	SEVERE	93 GREECE: AMAXIKI,PREVEZA
19	1	1825	1100	38.8N	20.8E	N	XI	34	MODERATE	99 GREECE
2	3	1825	0700	36.4N	2.8E		X	5,000	SEVERE	99 ALGERIA
2	3	1825		36.3N	2.5E			7,000	UNKNOWN	51 ALGERIA: BLIDA
2	3	1825		36.6N	2.8E					55 ALGIERS: BLIDAH NEAR CANARY ISLANDS
4	1825			14.0N	143.3E		VIII		MODERATE	55,72 MARINAS ISLAND,LADRONES ISLAND
		1826		45.8S	166.5E		8.0		UNKNOWN	2 NEW ZEALAND: FJORDLAND
23	3	1827		34.9N	111.1E		VII	84	LIMITED	48 CHINA
6	1827			40.7N	36.6E		X		MODERATE	99 TURKEY
9	1827			31.6N	74.3E			1,000	MODERATE	2,55,95,100,101 INDIA: LAHORE
16	11	1827	100	2.7N	76.1W			250	UNKNOWN	55,88,110 COLOMBIA: BOGOTA,NEIVA,POPAYAN,PASTO

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
		1828		37.5N	139.5E			1,443	EXTREME	137	JAPAN: SANDYE
2	2	1828		40.7N	13.9E		IX	28	MODERATE	93	ITALY: ISCHIA
2	2	1828	1315	40.7N	13.9E		X	20	LIMITED	99	ITALY: ISCHIA I.
30	3	1828		16.0S	72.0W			30	MODERATE	102	PERU: AREQUIPA
30	3	1828	1235	12.1S	76.9W			30	MODERATE	55,111	PERU: LIMA
6	6	1828	2230	34.2N	74.5E			1,000	MODERATE	101	INDIA
6	6	1828		34.2N	74.5E			1,000	SEVERE	2,55,99,100	INDIA: KASHMIR
6	6	1828		34.2N	74.5E			1,000	UNKNOWN	2	INDIA: KASHMIR
9	8	1828	1600	40.7N	48.4E	10	5.7		LIMITED	44	USSR: SHEMAKH
9	11	1828	0918	14.2N	121.0E		VIII		MODERATE	55,72	PHILIPPINES: MANILA
18	12	1828		36.5N	135.2E					55	JAPAN: ECHIGO, KIUSHU (TSUNAMI)
28	12	1828		36.5N	135.2E			30,000	UNKNOWN	7	JAPAN: ECHIGO (HONSHU)
16	3	1829		38.3N	1.5W			6,000	SEVERE	73	SPAIN: MURCIA
21	3	1829		37.6N	0.4W		XI	389	SEVERE	55,93	SPAIN: TORREVIEJA
21	3	1829	1800	38.2N	0.9W	7	XI	2,000	SEVERE	99	SPAIN
5	5	1829		41.2N	24.5E				MODERATE	99	GREECE
19	11	1829		36.6N	118.5E		VIII	100	MODERATE	48	CHINA
26	11	1829		44.2N	26.1E		X		SEVERE	93	ROMANIA: BUCAREST
18	1	1830	900	13.9N	121.0E		IX		MINOR	55,72	PHILIPPINES: S. LUZON, MANILA
9	3	1830	0700	43.5N	47.5E		IX	410	MODERATE	99	USSR
9	3	1830	1122	43.0N	47.0E	16	6.3	40	MODERATE	44	USSR: NORTHERN CAUCACUS
5	5	1830		34.3N	117.2E					55	CHINA: KIANGSU, HSUCHOU
26	5	1830		23.1N	113.2E			6,000	UNKNOWN	73	CANTON
12	6	1830		36.4N	114.2E		X	7,000	SEVERE	48,52	CHINA: HOPEH PROVINCE
19	8	1830		35.0N	136.0E			280		137	JAPAN: KYOTO
26	5	1831		44.5N	9.6E		IX	6	LIMITED	93	ITALY: TAGGIA TO CASTELLARO
26	05	1831	1025	43.8N	7.8E	9		4	SEVERE	116	COTE LIGURE, FRANCE
11	9	1831		38.1N	15.7E		IX	3		93	ITALY: REGGIO
28	9	1831		32.6N	116.7E		VIII	30	LIMITED	48	CHINA
13	1	1832	1400	43.0N	12.7E		XI	22	MODERATE	99	ITALY
22	1	1832		36.5N	71.0E			GREAT	SEVERE	101	AFGHANISTAN
8	3	1832	1800	39.0N	16.8E		X		MODERATE	99	ITALY
8	3	1832		39.0N	16.8E		X	234	0.1	93	ITALY: CUTRO, POLICASTRO, CANTANZARO, CIRO
6	9	1833		25.2N	103.0E		XI	6,700	EXTREME	48,52	CHINA
18	9	1833	1031	17.6N	70.8W			18	MODERATE	55,102,111	PERU, CHILE: AREQUIPA, ARICA, TACNA
7	12	1833		38.7N	139.2E			63	LIMITED	56	(TSUNAMI)
7	12	1833		38.5N	139.0E			42	MODERATE	137	JAPAN: UZON, SADO (TSUNAMI)
14	2	1834		44.3N	9.4E		X	60	0.17	93	BORGO TARO
10	10	1834		6.9S	107.0E				MODERATE	122	JAVA: BUITENZORG, TJIANDJOER, TJIANJAWAR
20	2	1835	1630	36.5S	72.6W	8.5		35	SEVERE	2,157	CHILE: CONCEPCION (TSUNAMI)
20	2	1835	1640	36.9S	73.0W				EXTREME	5	CHILE: CONCEPCION
20	2	1835		32.0S	71.0W				SEVERE	148	CHILE: VALPARAISO (TSUNAMI)

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
20	2	1835		32.0S	71.0W&				SEVERE	148	CHILE: VALPARAISO (TSUNAMI)
20	02	1835	2230	33.5S	79.0W		VI	MANY	SEVERE	114	CHILE: JUAN FERNANDEZ IS.
18	4	1835	1725	46.7N	7.8E		VI		SEVERE	155	SWITZERLAND
20	7	1835		37.9N	141.9E		7.6		UNKNOWN	65	JAPAN: SANRIKU
23	8	1835	1500	38.5N	35.5E		X	300	MODERATE	99	TURKEY
12	10	1835	2300	39.3N	16.3E		XI	27	MODERATE	99	ITALY
12	10	1835		39.3N	16.3E		XI	100	MODERATE	93	ITALY: CASTIGLIONE, COSENZA, CRATI
12	10	1835		39.4N	16.3E			126	SEVERE	5	ITALY: CASTIGLIONE
20	2	1835	1626	36.7S	72.8W					55	CHILE: CONCEPCION, TALCAHUANO, CHILLAN
24	4	1836		39.6N	16.6E		X	589	SEVERE	93,99	ITALY: ROSSANO, CRÓSIO, CRACO, BASILICATE
10	6	1836	1530	38.0N	122.0W		X			128	CALIF.
20	11	1836	0700	40.1N	15.8E		IX	12	LIMITED	99	ITALY
20	11	1836		40.1N	15.8E#		IX	21	MODERATE	93	ITALY: BASILICATE
1	1	1837		33.0N	35.5E#			2,000	UNKNOWN	51	ISRAEL: SAFAD
1	1	1837		33.0N	35.5E#					55	ASIA MINOR: BEYROUT, DAMASCUS TO SAHPIT, JAFFA, AC
1	1	1837	0100	33.0N	35.5E		XI	5,700	SEVERE	99,108	LEBANON: SAFED, TYRE, TRIBERIADO
11	4	1837	1700	44.2N	10.5E		IX	5	MODERATE	99	ITALY
10	9	1837		34.6N	103.7E		VIII	29	MODERATE	48	CHINA
7	11	1837	1251	39.8S	73.2W		8.0	60	LIMITED	2,55,56,157	CHILE: VALDIVA (TSUNAMI)
7	11	1837		36.9S	73.0W				EXTREME	148	CHILE: CONCEPCION (TSUNAMI)
7	11	1837	1330	39.8S	73.2W			0	MODERATE	5	CHILE: VALDIVIA
23	1	1838	1836	45.7N	26.6E	150	6.9	8	MODERATE	44,99	USSR: CARPATHIAN FOLD, VRANCH REGION
6	1838			37.4N	121.9W		VIII		MODERATE	74	SAN FRANCISCO, SAN JOSE, SANTA CLARA, MONTEREY
6	1838			37.5N	122.5W		X	0	LIMITED	128	CALIF.
7	2	1839		26.1N	100.0E		VIII	100	LIMITED	48	CHINA
23	2	1839		26.1N	100.0E		VIII	129	MODERATE	48	CHINA
23	3	1839		26.1N	100.0E				SEVERE	95	BURMA: AVA, AMARAPOORA
27	6	1839		23.4N	120.4E		VIII	117	MODERATE	48	CHINA
16	8	1839	1730	45.9N	6.1E		VII	SOME	LIMITED	155	SWITZERLAND
		1840		12.4N	123.5E		IX	MANY	SEVERE	72	SORSOGON, MASBATE
		1840		0.1N	75.5W				UNKNOWN	47	ECUADOR
20	6	1840		39.5N	43.0E		IX	1,500	SEVERE	99	ARMENIA
2	7	1840	1600	39.7N	44.4E	18	6.8	2,063	SEVERE	44	ARMENIA: MT. ARARAT
30	10	1840		38.0N	21.0E			12	MODERATE	99	ITALY
30	10	1840		38.0N	21.0E#		X	12	SEVERE	93	ITALY: ZANTE
		1841		10.0N	84.0W			MANY	MODERATE	103	COSTA RICA: CARTAGO
2	1	1842		40.5N	50.0E				MODERATE	99	USSR: APSHERON PENINSULA
19	2	1842		34.4N	70.5E			500	SEVERE	95	INDIA: JALALABAD
18	4	1842	0700	36.5N	22.2E		IX	SOME	UNKNOWN	99	GREECE
7	5	1842		19.7N	72.8W#			3,000	UNKNOWN	51	DOMINICAN REPUBLIC, SANTIAGO
7	5	1842		19.7N	72.8W			4,500	SEVERE	73	ST. DOMINGO: CAPE HAYTEN
7	5	1842		19.7N	72.8W			200	SEVERE	55,148	WEST INDIES, ST. DOMINGO, CAPE HAYTIEN
11	6	1842		43.6N	93.0E		VIII	5	MODERATE	48	CHINA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
8	12	1842		9.5N	39.8E		IX	MANY	SEVERE	134 ETHIOPIA: ANKOBEN
5	1	1843	245	35.2N	90.0W		VIII		UNKNOWN	128
8	2	1843		16.0N	61.0W			5,000	EXTREME	60 WEST INDIES: GUADALOUPE
1	4	1843		19.0N	77.0E				MODERATE	95 INDIA: DECCAN
25	4	1843		41.8N	144.8E	8.4		45	MINOR	2,55,56 JAPAN: YEZO,KUSHIRO,NEMURO (TSUNAMI)
8	7	1843		39.9S	175.0E	7.5			UNKNOWN	2 NEW ZEALAND: WANGANUI
17	12	1843	0200	57.0N	136.0W			0	LIMITED	128 ALASKA: SITKA
12	5	1844		41.0N	35.0E		IX	200	UNKNOWN	99 TURKEY
2	1845			24.1N	120.5E		VIII	380	MODERATE	48 CHINA
12	2	1845	PM	12.3N	39.0E			SOME	UNKNOWN	134 ETHIOPIA
		1846		31.6N	106.0E		VII	20	LIMITED	48 CHINA
25	1	1846		1.4N	127.2E					55 MOLUCCAS,TERNATE (TSUNAMI)
14	2	1846		0.5N	127.3E			MANY	SEVERE	73 TERNATE
10	6	1846		37.0N	22.0E	N	XI	30	SEVERE	99
11	6	1846		37.1N	22.0E		X	28	0.8	93 GREECE: MESSENIA
7	8	1846		37.0N	15.3E		IX		MODERATE	93 ITALY: SIRACUSA
14	8	1846		37.0N	15.3E#		XI	20	SEVERE	93 ITALY: ORCIANO
14	8	1846	1500	43.4N	10.6E		XI	56	MODERATE	99 ITALY
8	5	1847		37.0N	138.0E	7.4		12,000	EXTREME	2,6,68 JAPAN
8	5	1847		37.0N	138.0E	7.4		8,600	UNKNOWN	51 JAPAN
8	5	1847	1221	36.5N	138.0E			10,000	EXTREME	97 JAPAN
8	5	1847		37.0N	138.0E			12,000	EXTREME	137 JAPAN: SINAMO
7	8	1847		29.5N	30.5E		IX		SEVERE	99 EGYPT
16	11	1847		6.9S	108.3E				MODERATE	122 JAVA: CHERIBON
11	1	1848		37.2N	15.2E		XI		MODERATE	99 SICILY
3	12	1848		24.1N	120.5E		IX	1,000	SEVERE	48 CHINA
25	1	1849	0656	14.0N	143.3E		IX		SEVERE	55,72 PHILIPPINES: LADRONES ISLANDS,GUAM,BAY OF ULMAT
3	5	1849		10.6N	71.8W				SEVERE	94 MARACAIBO
17	12	1849		30.0S	71.5W				SEVERE	148 CHILE: COQUIMBO (TSUNAMI)
<b>1850</b>										
12	9	1850		27.8N	102.3E		X	20,650	EXTREME	48 CHINA
		1850		34.7N	104.9E		VI	SOME	LIMITED	48 CHINA
1	1	1851		46.3N	8.0E		VI	SOME	UNKNOWN	155 SWITZERLAND
20	1	1851		41.2N	20.2E		IX		MODERATE	99 ALBANIA
7	2	1851		10.5N	75.7W			MANY	SEVERE	94 COLOMBIA: CARTHAGENE
28	2	1851	1300	36.5N	28.8E		X		MODERATE	99 TURKEY
18	3	1851	1215	10.0N	84.0W				LIMITED	103 COSTA RICA: SAN JOSE
2	4	1851	1127	33.0S	71.5W			FEW	MODERATE	5,157 CHILE: VALPARAISO
14	8	1851		41.0N	15.7E#			14,000	SEVERE	73 S. ITALY: MELFI
14	8	1851		41.0N	15.7E#		X	671	SEVERE	93 ITALY: MONT VULTUR

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
14	8	1851		41.0N	15.7E#			14,000	SEVERE	73 S. ITALY: MELFI
14	8	1851		41.0N	15.7E#		X	671	SEVERE	93 ITALY: MONT VULTUR
14	8	1851	123	41.0N	15.7E			62	SEVERE	4,55 ITALY: MELFI,RAPOLLA
12	10	1851	0600	40.6N	19.9E#		IX	2,000	SEVERE	51,55,93,99 EUROPEAN,TURKEY,ALBANIA,VALONA,BERATTI
17	10	1851		40.7N	20.0E		X	400	MODERATE	99 BERAT
24	1	1852		29.3N	68.8E#			350	SEVERE	95,55 INDIA: UPPER SINDH,MUREE HILLS
24	1	1852		29.3N	68.8E			350	MODERATE	95 INDIA: UPPER SINDH,KAHAN
24	1	1852		29.3N	68.8E#			250	LIMITED	100 INDIA: UPPER SINDH,FORT KAHAN
26	5	1852		37.5N	105.2E		VIII	300	SEVERE	48 CHINA
24	7	1852		39.9N	41.3E		7.3	17	LIMITED	99 TURKEY
16	9	1852	1045	14.5N	121.0E		IX		SEVERE	55,72 PHILIPPINES: S. LUZON,ZAMBALLO,PAMPANGA,MANILA,
9	11	1852	1800	33.0N	114.5W		IX	0	LIMITED	74 FORT YUMA
24	12	1852		13.8N	121.1E		IX		MODERATE	72 BATANGAS PROVINCE,N. MINDANAO
		1853		13.6N	123.0E		VIII		MODERATE	72 CAMARINES PROVINCE
24	1	1853		13.7N	121.0E					55 PHILIPPINES: S. LUZON,BATANGAS
1	2	1853	2100	35.5N	121.0W		VIII		MODERATE	74 SAN SIMEON
11	3	1853		35.5N	139.5E			79	SEVERE	137 JAPAN: ODAWARA
9	4	1853		40.9N	15.2E		IX	12	MODERATE	93 ITALY: CAPOSELE,CALABRITTO,LEONE
21	4	1853		29.5N	52.5E#			12,000	UNKNOWN	2,55 SHIRAZ,ZAGROS
11	7	1853		32.0N	51.0E			10,000	UNKNOWN	2,55 ISFAHAN,ZAGROS
15	7	1853		10.5N	64.2W			600		94 CUMANA
15	7	1853		10.5N	64.2W			800		55 VENEZUELA: CUMANA
		1853		14.1N	123.0E					55 PHILIPPINES: S.E. LUZON,CAMARINES,NUEVA,CACERES
18	8	1853	0700	38.2N	23.5E		XI	20	MODERATE	99 GREECE
23	10	1853		41.0N	124.0W		VIII		LIMITED	74 HUMBOLDT BAY
12	2	1854		39.3N	16.3E		X	468	SEVERE	93 ITALY: CONNICI,COSENZA,PIETRAFITTA,PATERNO
12	2	1854		39.3N	16.2E			232	MODERATE	99 ITALY
12	2	1854		39.3N	16.3E			472	SEVERE	5 ITALY: COSENZA
14	4	1854		13.8N	89.2W			1,000	UNKNOWN	51,55 EL SALVADOR: SAN SALVADOR
9	7	1854		36.0N	136.0E			1,352	SEVERE	137 JAPAN: IGA
30	7	1854		39.7N	20.0E		X	MANY	UNKNOWN	93 GREECE: SULI TO DELVINON
23	12	1854		33.5N	138.0E		8.4	3,000	EXTREME	2,68,6 JAPAN
23	12	1854		34.1N	137.8E		8.4	200	MODERATE	56 (TSUNAMI)
23	12	1854		34.1N	137.8E#			31,000	UNKNOWN	51 JAPANHONSHU,SHIKOKU
23	12	1854		33.5N	138.0E			5,000	EXTREME	137 JAPAN (TSUNAMI;INCLUDES EFFECT OF 24TH)
24	12	1854		32.5N	134.0E					137 JAPAN (EFFECTS INCLUDED WITH 23RD)
24	12	1854	0800	33.2N	135.6E		8.4	3,000	EXTREME	56,97 (TSUNAMI)
23	1	1855		41.0S	175.0E		8.0		UNKNOWN	2,55 NEW ZEALAND: WELLINGTON,WAIROU,WANGANUI,OTAKI
8	2	1855	1130	46.0N	64.5W		VI		UNKNOWN	128 CANADA
28	2	1855		40.1N	29.1E		X	300	SEVERE	71 TURKEY
28	2	1855	0100	40.2N	29.1E		6.7	1,900	MODERATE	99 TURKEY
22	3	1855		13.2N	123.0E		VIII		LIMITED	55,72 PHILIPPINES: SAND,S.E. LUZON,TAYABAS,CAMARINES,
11	4	1855		40.1N	29.1E		X	1,300	SEVERE	71 TURKEY

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
11	4	1855	1740	40.2N	29.1E		X	400	MODERATE	99	TURKEY
29	4	1855		40.2N	29.1E		6.7	1,300	SEVERE	99	TURKEY
3	7	1855		42.0N	19.5E		X		MODERATE	99	ALBANIA
11	7	1855	0415	34.0N	118.5W		VIII		MODERATE	74	LOS ANGELES COUNTY
25	7	1855	1200	46.1N	7.2E		8.5	1	SEVERE	116,155	SWITZERLAND: HAUT-VALAIS
26	7	1855	0915	46.2N	7.9E		VIII		SEVERE	155	SWITZERLAND
28	7	1855	1000	46.3N	7.8E		VII		SEVERE	155	SWITZERLAND
22	8	1855	1200	37.1N	5.7E		X		MODERATE	99	ALGERIA
6	11	1855	0330	46.2N	7.9E		VI		SEVERE	155	SWITZERLAND
11	11	1855		36.0N	140.0E		6.9	6,757	EXTREME	2,68,6	JAPAN
11	11	1855		36.0N	140.0E		6.9	7,000	UNKNOWN	51	JAPAN
11	11	1855		36.0N	140.0E			6,757	EXTREME	137	JAPAN: TOKYO
11	12	1855		39.1N	121.7E		VII	7	LIMITED	48	CHINA
2	3	1856		3.5N	125.5E			3,000	UNKNOWN	73	JAVA: ISLAND OF GREAT SANGER(INCLUDES VOLCANIC)
5	6	1856		46.4N	12.4E		IX		MODERATE	93	ITALY: PIEVE S. STEFANO
10	6	1856		29.7N	108.8E		VII	300	MODERATE	48	CHINA
23	7	1856	2200	40.6N	48.6E			1	LIMITED	44	USSR: SHEMAKH
23	8	1856		42.0N	141.1E		6.9	21	LIMITED	56	(TSUNAMI)
23	8	1856		42.0N	141.1E		6.9	26	LIMITED	65	JAPAN: OSHIMA (TSUNAMI)
11	10	1856	2300	35.5N	26.0E		XI	538	SEVERE	99	CRETE
12	10	1856		35.5N	25.0E		X	20	MODERATE	93	CRETE: CANDIE
9	1	1857	1013	35.0N	119.0W		XII		SEVERE	88	CALIF.: SAN FRANCISCO
9	1	1857	1600	35.0N	119.0W		XI	0	LIMITED	128	CALIF.
4	1857			13.5N	39.5E				UNKNOWN	134	ETHIOPIA: TIGRAY
9	4	1857		38.4N	42.1E		6.7		MODERATE	99	TURKEY
16	9	1857		39.4N	16.4E			10,000	SEVERE	73	CALABRIA, MONTEMURRO
16	12	1857		40.3N	16.0E#		6.5	12,000	UNKNOWN	3	ITALY: CAMPANIA
16	12	1857		40.3N	16.0E#		6.5	10,000	UNKNOWN	3,51	ITALY: CAMPANIA
16	12	1857		40.3N	16.0E#		X	13,488	SEVERE	93	ITALY: MONTEMURRO, SAPONARA, VIGGIANO, MARSICO
16	12	1857		40.3N	16.0E#					55	ITALY: BASEILICATA, SALERNO
16	12	1857	2100	40.3N	16.0E		X	11,000	EXTREME	99	ITALY
		1858		36.0N	137.5E			203	MODERATE	137	JAPAN: HIDA
15	1	1858		49.2N	18.8E		IX		0.05	93	CZECH. OR HUNGARY: ZILINA(ZSOLNA)
21	2	1858	0730	38.0N	23.0E		X	19	SEVERE	93,99	GREECE: VIEILLE, CORINTHE, HEXAMILIA
24	8	1858		19.0N	95.0E				SEVERE	95	BURMA, THAYETMYO, PROME
10	10	1858	0800	40.0N	20.1E		X		MODERATE	99	ALBANIA
11	11	1858		38.2N	9.0W		X	6	MODERATE	93	SPAIN: SETUBAL
11	11	1858	0730	38.5N	8.8W			SOME	MODERATE	5	SPAIN: SETUVAL
26	11	1858	0835	37.5N	122.0W		IX		SEVERE	74	SAN JOSE, SAN FRANCISCO
28	11	1858		44.4N	19.0E		IX		UNKNOWN	99	YUGOSLAVIA
22	3	1859		0.3S	78.5W#			5,000	SEVERE	73	QUITO
22	3	1859		0.3S	78.5W#					55	ECUADOR: QUITO, MACHACHI, PERUCHO, POMASQUI, ST. ANT
22	3	1859	1330	0.3S	78.5W			IFEW	SEVERE	47	ECUADOR

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
22	3	1859		0.3S	78.5W#					55	ECUADOR: QUITO,MACHACHI,PERUCHO,POMASQUI,ST.ANT
22	3	1859	1330	0.3S	78.5W			FEW	SEVERE	47	ECUADOR
22	3	1859	1542	0.4S	78.3W				MODERATE	106	ECUADOR: PICHINCHA
2	6	1859	0800	39.9N	41.3E		6.1	15,000	SEVERE	99	TURKEY
11	6	1859	1300	40.6N	48.6E		5.5	100	MODERATE	44,99	USSR: SHEMAKH
21	8	1859		40.2N	25.8E		IX		SEVERE	71	TURKEY
22	8	1859	1715	42.8N	13.1E		XI	100	MODERATE	99	ITALY
25	8	1859		13.0N	89.0W&				LIMITED	56	EL SALVADOR (TSUNAMI)
19	9	1859		40.7N	122.2E		VI	5	LIMITED	48	CHINA
17	10	1860	1100	47.5N	70.0W		IX		LIMITED	128	CANADA
20	3	1861		32.8S	68.8W			7,000	SEVERE	73	SOUTH AMERICA: MENDOZA
21	3	1861		32.8S	68.8W			18,000	UNKNOWN	2,51	ARGENTINA: MENDOZA
21	3	1861	0016	34.0S	66.0W					55	ARGENTINA: SAN LUIS,SAN VICENTI
9	5	1861		46.0N	12.0E		IX	1	MODERATE	93	ITALY: CITTA DELLA PEIVE
4	7	1861	0011	37.5N	122.0W		IX		SEVERE	74	CALIF.: CONTRA COSTA,ALAMEDA COUNTIES
19	7	1861		39.1N	121.7E		VIII	4	LIMITED	48	CHINA
21	10	1861		37.7N	141.6E		6.4		UNKNOWN	65	JAPAN: SANRIKU,RIKUZEN,RIKUCHU
26	12	1861		38.2N	22.2E#		X	17	0.04	93	GREECE: ACHAIE,VALYMITIKA,TRIPIA
26	12	1861	0500	38.2N	22.2E		N 7.5		MODERATE	99	GREECE
4	3	1862	0930	14.2N	121.0E		VII		LIMITED	55,72	PHILIPPINES: MANILA
14	3	1862		38.1N	21.0E		IX		MODERATE	93	CEPHALONIA
6	6	1862		23.3N	120.3E		VIII	1,000	MODERATE	48,51,68	
1	7	1862	0748	14.0N	143.3E		VII		LIMITED	55,72	GUAM: AGANA
13	7	1862	1625	15.7N	121.5E		VII		MINOR	55,72	PHILIPPINES: E. LUZON,COAST OF BALER,CASIGURAN
9	9	1862	0819	17.5N	121.2E		VIII		MINOR	55,72	PHILIPPINES: N. LUZON,ILOCOS NORTE,ABRA,CAGAYAN
16	10	1862		38.8N	30.5E		6.1	800	MODERATE	99	TURKEY
30	10	1862	0430	14.2N	121.3E		VI		MINOR	55,72	PHILIPPINES: LAGUNA,S. OF LAKE BAY
23	12	1862		35.5N	111.5E		VII	SOME	LIMITED	48	CHINA
		1863		38.5N	30.6E		X	800	SEVERE	71	TURKEY
22	4	1863	1830	36.5N	28.0E		6.7		MODERATE	55,99	ASIA MINOR: RHODES ISLAND,COS ISLAND
	6	1863		26.0N	100.1E		VII	SOME	LIMITED	48	CHINA
3	6	1863	1120	14.2N	121.0E		X	500	SEVERE	55,72	MANILA
3	6	1863		14.2N	121.0E			300	UNKNOWN	2,51	PHILIPPINES: MANILA
3	6	1863		15.3N	120.8E		X	320	MODERATE	58	PHILIPPINES: CENTRAL LUZON,PAMPANGA,NUEVA,ECIJA
9	6	1863		14.6N	120.5E		VII		MODERATE	72	MANILA
2	7	1863		14.6N	120.5E			10,000	SEVERE	73	PHILIPPINES: MANILA
31	7	1863		7.5S	109.2E				MODERATE	122	JAVA: BANJOEMAS
16	8	1863		38.2N	26.2E		VIII		SEVERE	99	KHADRA,KHIOS
3	1	1864		38.2N	48.3E			500	SEVERE	4,55	ARDEBIL,LEN KORAN,NIAR,NOUSKHAR,GNERT,KARABOG
6	1	1864		38.2N	48.3E				LIMITED	55	PERSIA: NEAR ARDEBIL
20	12	1864		33.0N	46.0E			100	MODERATE	57	ZURBATIYAH
20	12	1864		33.0N	46.0E			100	SEVERE	120	ZURBATIYAH
25	12	1864		33.2N	44.4E				MODERATE	120	BAGHDAD,BASRA,KUT-AL-IMARAH

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
8	2	1865		32.2N	46.0E				MODERATE	120	TURSAQ,JASSAN,KUT-AL-IMARAH
7	3	1865	1400	38.5N	122.5W		VIII		MODERATE	74	E. CENTRAL SONOMA COUNTY
12	5	1865		18.4N	64.9W		VI		UNKNOWN	128	
16	7	1865		7.0S	110.3E				SEVERE	122	JAVA: AMBARAWA
19	7	1865	0100	37.7N	15.1E		IX	60	LIMITED	99	ITALY: ETNA
1	10	1865	1715	41.0N	124.5W		IX	0	MODERATE	128	CALIFORNIA: FORT HUMBOLDT,EUREKA
8	10	1865	2046	37.0N	122.0W		IX	0	MODERATE	128	CALIF.
8	10	1865	2046	37.0N	122.0W		IX	0	\$500,000	129	CALIF. (DATE OF \$ EVALUATION QUESTIONABLE)
8	10	1865	2046	37.0N	122.0W		IX		MODERATE	74	SAN JOSE,SANTA CRUZ
2	1	1866	0900	40.4N	19.5E		X	60	UNKNOWN	99,109	NARTA,VLORE,KANINA
28	2	1866		40.5N	19.5E		IX	9	LIMITED	99	ALBANIA
2	3	1866	1400	40.4N	19.5E		IX	20	LIMITED	99	ALBANIA
22	7	1866		38.5N	40.1E		IX		UNKNOWN	99	TURKEY
4	12	1866		40.1N	20.1E		6.7		MODERATE	99	ALBANIA
28	12	1866	1900	18.2N	120.6E		VII		MODERATE	55,72	PHILIPPINES: N. LUZON,LAOAG
2	1	1867	0700	36.4N	2.7E		X	51	LIMITED	99	ALGERIA
4	2	1867	0300	38.4N	20.2E		7.9	200	SEVERE	99	GREECE
4	2	1867		38.4N	20.2E#		XI	224	3	93	CEPHALONIA
7	3	1867		39.3N	26.3E				MODERATE	55,71	ASIA MINOR: MITYLENE,LESBOS
7	3	1867	1400	39.1N	26.6E		N 6.7	500	SEVERE	99	MITILINA
14	4	1867		33.5N	44.9E				MODERATE	120	MANDALI,JALULA,BAGHDAD
10	6	1867		7.8S	110.5E				SEVERE	122	JAVA: DJOKJAKARTA,SOERAKARTA
18	11	1867	1845	18.2N	65.0W		VIII	0	LIMITED	128	VIRGIN ISLANDS
18	12	1867		25.5N	121.7E			100	LIMITED	48	CHINA
3	4	1868	0200	19.0N	155.5W		X	81	LIMITED	53,56	S.E. OF HAWAII ISLAND (TSUNAMI)
3	4	1868	0200	19.0N	155.5W		X	SEVERAL	LIMITED	128	HAWAII (TSUNAMI)
23	4	1868	0000	40.0N	41.7E		6.7		MODERATE	99	TURKEY
13	8	1868	2145	17.3S	70.9W			493	EXTREME	111	MOQUEGUA,AREQUIPA,TACNA,CHALA,ARICA
13	8	1868		18.5S	71.0W#			40,000	300	3,51	PERU: IBARRA,ECUADOR;QUAYAQUIL
13	8	1868	2145	18.5S	71.0W#		8.5	11,500	EXTREME	2,157	CHILE: (ARICA); PERU
13	8	1868		18.5S	71.0W#			25,000	60	73	PERU: AREQUIPA,IQUIQUE,TACNA,CHENCHA; ECUADOR
13	8	1868		18.5S	71.0W#					55	S. PERU; BOLIVIA; N. CHILE (TSUNAMI)
13	8	1868	1645	18.5S	71.0W			25,000	EXTREME	56	(TSUNAMI)
13	8	1868		18.5S	71.0W#			2,000	UNKNOWN	51	PERU: AREQUIPA; CHILE: ARICA
14	8	1868	0200	18.5S	71.0W#			MANY	SEVERE	114	CHILE: ARICA
15	8	1868		0.8N	77.7W			MANY	SEVERE	47	ECUADOR
15	8	1868	0637	0.5N	78.1W			GREAT	EXTREME	106	ECUADOR: IBARRA
16	8	1868	0630	0.4N	78.1W#			70,000	EXTREME	47,55,104	ECUADOR: COLOMBIA,GUAYAQUIL,IBARRA,SAN PABLO
16	8	1868	0630	0.4N	78.1W				SEVERE	92	ECUADOR
17	8	1868	0640	0.3N	78.1W			15,000	EXTREME	110	ECUADOR: IBARRA
21	10	1868	1307	37.8N	122.3W		X		MODERATE	88	OAKLAND
21	10	1868	1553	37.5N	122.0W		IX		MODERATE	74	CALIF.: HAYWARD,SAN FRANCISCO
21	10	1868	1553	37.5N	122.0W		X	3	0.35	128	CALIF.



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
10	1	1869		30.8N	90.9E					95	INDIA: ASSAM, CACHAR
10	1	1869		26.0N	92.7E				UNKNOWN	5	INDIA; JAINTIA HILLS
15	8	1869		0.3N	78.1W			32		110	ECUADOR: IBARRA
16	8	1869	0700	12.3N	123.1E		IX		EXTREME	55,72	PHILIPPINES: MASBATE ISLAND
2	9	1869	1200	40.7N	48.7E	6	5.0	0	LIMITED	44	USSR: SHEMAKH
1	10	1869	0335	14.0N	121.0E		VIII		MODERATE	55,72	PHILIPPINES: S. LUZON, MANILA, N. MINDORO
23	10	1869	0830	14.2N	121.3E		VII		MINOR	55,72	PHILIPPINES: S. LUZON, LAGUA
16	11	1869	1220	34.9N	5.9E		X	40	LIMITED	99	ALGERIA
28	11	1869		38.2N	15.8E				LIMITED	5	ITALY: MONTELEONE
28	12	1869		38.7N	30.7E		XI	15	MODERATE	99	GREECE
28	12	1869		38.7N	30.7E		X	15	SEVERE	93	GREECE: STE. MAURE
11	4	1870		30.0N	99.0E	6.75		2,300	UNKNOWN	2,52	CHINA
11	4	1870		30.0N	99.0E		IX	100	LIMITED	48	CHINA
30	9	1870	2300	38.5N	22.5E	7.5		100	SEVERE	99	GREECE
4	10	1870	1700	39.2N	16.3E		X	250	MODERATE	99	ITALY
5	10	1870		39.2N	16.3E		IX	136	SEVERE	93	ITALY: SILA, MANGONE, LONGOBUCCO, COSENZA, ROSSARIO
5	10	1870		39.3N	16.3E			117	MODERATE	5	ITALY: COSENZA
20	2	1871	2000	9.2N	124.7E		IX		MODERATE	55,72	PHILIPPINES: CAMIGUIN ISLAND, MAMBAJAO, CATARMAN
2	3	1871	2105	40.5N	124.0W		IX		MODERATE	74	HUMBOLDT COUNTY
11	4	1871		30.3N	99.0E			2,300		55	CHINA: BATHANG
29	11	1871	0830	6.6N	122.1E		VII		LIMITED	55,72	PHILIPPINES: BASILAN, JOLO ISLANDS
8	12	1871	0930	7.4N	124.2E		IX		MODERATE	55,72	PHILIPPINES: W. MINDANAO, COTOBATO, POLLOK
11	2	1872		39.6N	19.8E		X	SOME	SEVERE	93	GREECE: CORFU (KERKYRA)
28	2	1872	0700	40.6N	48.6E	7	5.7	118	EXTREME	44	USSR: SHEMAKH
13	3	1872		35.0N	132.5E			600	SEVERE	137	JAPAN: HAMADA
14	3	1872	0826	35.0N	132.0E			552	SEVERE	97	JAPAN
26	3	1872	0230	36.5N	118.0W	8.5			SEVERE	88	OWENS VALLEY
26	3	1872	0230	36.5N	118.0W		X	50	LIMITED	38,74	OWENS VALLEY
26	3	1872	1030	36.5N	118.0W		XI	27	MODERATE	128	CALIF.
26	3	1872	1030	36.5N	118.0W		XI	27	\$250,000	129	CALIF. (DATE OF \$ EVALUATION QUESTIONABLE)
2	4	1872	0545	36.2N	36.1E	7.3		1,000	SEVERE	99	TURKEY
3	4	1872		36.2N	36.2E		X	1,800	SEVERE	2,55,71	ASIA MINOR: ANTIOCH, ALEPPO
29	12	1872	0348	13.8N	121.0E		VIII		MODERATE	55,72	PHILIPPINES: S. LUZON, N. MINDORO, RIZAL, CAVITE, B
22	2	1873		13.6N	89.0W				UNKNOWN	55	EL SALVADOR: SAN SALVADOR
4	3	1873		13.7N	88.7W			800	UNKNOWN	51	EL SALVADOR: SAN VICENTE
18	3	1873	0500	11.0N	126.0E		VIII		LIMITED	55,72	PHILIPPINES: S.E. SAMAR ISLAND
11	4	1873		13.6N	89.0W			300		55	EL SALVADOR: SAN SALVADOR, ST. VINCENT
29	6	1873	0400	46.1N	12.3E		X	55	MODERATE	99	ITALY
29	6	1873		46.1N	12.2E		IX	55	MODERATE	93	ITALY: BELLUNE
4	5	1874		38.8N	38.8E	6.1			MODERATE	99	TURKEY
24	8	1874	2230	6.8N	122.0E		VIII		MODERATE	55,72	PHILIPPINES: W. MINDANAO, ZAMBOANGA, BASILAN
3	9	1874	0302	14.5N	90.7W			116		55	GUATEMALA: ANTIGUA, GUATEMALA, CHIMALTENANGO, AMAT
18	10	1874		35.0N	69.0E			MANY	SEVERE	101	AFGHANISTAN

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
11	2	1875		20.7N	103.4W		7.5		UNKNOWN	2,55 MEXICO: SAN CRISTOBAL
8	3	1875	1930	17.3N	120.6E		VII		MINOR	55,72 PHILIPPINES: ABRA,MOUNTAIN PROVINCES
3	5	1875		35.2N	30.2E				MODERATE	55,71 ASIA MINOR: ISCHIKLI,YORIL YAKA
3	5	1875		38.1N	30.2E		7.3	2,000	SEVERE	99 TURKEY
5	5	1875		38.1N	30.2E		IX	1,300	MODERATE	71 TURKEY
11	5	1875		38.7N	29.4E		6.1	SOME	UNKNOWN	99 TURKEY
16	5	1875		7.9N	72.5W			14,000	SEVERE	73 COLOMBIA;SAN JOSE DE CUCUTA
16	5	1875		7.9N	72.5W#			16,000	UNKNOWN	7,51,70 VENEZUELA,COLOMBIA
18	5	1875	1010	7.9N	72.5W			10,000	UNKNOWN	7,51,55,70 COLOMBIA;VENEZUELA;SEBERATINA,CUCUTA
18	5	1875	1010	7.9N	72.5W#			461	SEVERE	110 COLOMBIA
19	5	1875	0330	13.6N	123.2E		VIII		MODERATE	55,72 PHILIPPINES: S.E. LUZON,NUEVA,CACERES
7	8	1875	1600	40.7N	48.7E	8	5.4	0	LIMITED	44 USSR: SHEMAKH
25	10	1875		6.9S	108.3E				MODERATE	122 JAVA: KOENINGAN
2	11	1875		16.0N	38.5E			SOME	UNKNOWN	134 ETHIOPIA
8	12	1875		18.5N	66.7W		VII	0	UNKNOWN	128 PUERTO RICO: ARECIBO
13	12	1875		6.7S	108.6E				LIMITED	55 JAVA: N. COAST KOCHINGAN,CHERIBORS
9	5	1877	0128	21.5S	71.0W		8.0	33	MODERATE	111 CHILE,PERU,ILO,ARICA,MOLLENDO(TSUNAMI)
9	5	1877	1730	20.0S	70.0W		X	MANY	EXTREME	112 CHILE: TARAPACA
9	5	1877	1730	20.5S	70.5W		X	MANY	EXTREME	114 CHILE: IQUIQUE (TSUNAMI)
10	5	1877	0059	21.5S	71.0W			33	1.6	56,111 (TSUNAMI)
23	6	1877	2300	13.8N	121.0E		VII		LIMITED	55,72 PHILIPPINES: LAKE BOMBON,BATANGAS,CAVITE
5	7	1877	0407	12.7N	123.6E				INSIGNIFICANT	55,72 PHILIPPINES: CAMARINES,ALBAY,MASBATE
				1878	13.5N	88.3W			SEVERE	88 EL SALVADOR: CHINAMECA,JUCUAPA,SANTIAGO
12	4	1878		10.2N	67.0W					55 VENEZUELA: GUA
14	4	1878		10.2N	67.0W			300	0.15	73 VENEZUELA: CUA
19	4	1878	0700	40.8N	29.0E		6.7	40	MODERATE	99 TURKEY
7	8	1878		27.7N	100.7E		VII	30	LIMITED	48 CHINA
29	8	1878		53.5N	166.3W				UNKNOWN	53,55,128 ALASKA: UNALASKA,MAKULIG (TSUNAMI)
16	9	1878	1650	6.9N	125.1E		VII		MODERATE	55,72 PHILIPPINES: NEAR MT. APO
2	10	1878		13.5N	88.4W			MANY	SEVERE	55 EL SALVADOR: JUCUAPU
22	3	1879	0100	39.2N	47.6E	11	6.5	500	MODERATE	44 USSR: ARDEBIL
30	6	1879	1838	9.8N	125.5E		X		EXTREME	55,58,72 PHILIPPINES: N.W. MINDANAO,SURIGAO
1	7	1879		33.2N	104.7E		X	10,430	EXTREME	48,52 CHINA: KANSU P.
17	7	1879		37.5N	15.0E		X	10	MODERATE	99 ITALY
3	8	1880		38.4N	26.1E		IX	4,000	SEVERE	71 CHIOS
3	4	1880		38.3N	26.0E			3,541	UNKNOWN	51 GREECE: CHIOS
29	6	1880		38.6N	27.1E		IX		SEVERE	71 TURKEY
14	7	1880	1653	14.5N	121.5E					55 PHILIPPINES: LAKE BAY,E. RANGE OF LUZON
15	7	1880	0053	14.5N	121.5E		VIII		MODERATE	72 E. LUZON
18	7	1880	0440	15.5N	120.6E		IX		SEVERE	55,72 PHILIPPINES: CENTRAL,S. LUZON,PASIG R.,PAMPANGA
18	7	1880		15.5N	120.6E#		X	20	MODERATE	58 PHILIPPINES: CENTRAL LUZON,MANILA
20	7	1880	0740	14.5N	121.0E		VIII	20	SEVERE	55,72 PHILIPPINES: S.W. OF LAKE BAY,MANILA
22	7	1880		38.1N	27.8E		6.1	MANY	LIMITED	99 TURKEY

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
29	7	1880	0240	38.6N	27.1E		6.7	30	LIMITED	99	TURKEY
18	12	1880		40.5N	48.1E		VIII	SEVERAL	UNKNOWN	99	ARMENIA,SOMAKI,SHEMAKHA
18	2	1881		24.5N	120.7E		VII	9	LIMITED	48	CHINA
4	3	1881	1200	40.7N	13.9E		IX	126	LIMITED	99	ITALY
4	3	1881		40.7N	13.9E#		IX	121	\$200,000	93	ITALY: ISCHIA
16	3	1881		40.7N	13.9E#			114	\$186,000	73	S. ITALY
3	4	1881		38.2N	26.2E#			4,000	SEVERE	73	SCIO
3	4	1881		38.2N	26.2E#			4,181		55	ASIA MINOR: NEVITA,CHIOS I.,KASTRO
3	4	1881	0930	38.2N	26.2E		N 7.3	7,866	EXTREME	99	CHIOS
7	6	1881		38.7N	42.4E		VII	95	MODERATE	99	TURKEY
20	7	1881		33.6N	104.6E		VIII	480	MODERATE	48	CHINA
1	9	1881	0420	16.5N	121.1E		IX		MODERATE	55,58	PHILIPPINES: NUEVA,VIZCAYA,BAYOMBONG
28	9	1881		40.6N	33.6E		6.1	12	LIMITED	99	TURKEY
6	3	1882	2200	37.0N	121.5W		VII		LIMITED	74	HOLLISTER
28	7	1882	2025	40.7N	13.9E		XI	2,313	SEVERE	99	ITALY
2	9	1882		40.9N	14.4E			11	LIMITED	99	ITALY
7	9	1882	0810	9.0N	79.5W			SOME	MODERATE	103	PANAMA
2	12	1882		38.1N	115.5E		VIII	11	LIMITED	48	CHINA
9	12	1882		23.8N	120.5E		VIII	5	LIMITED	48	CHINA
12	4	1883	0830	37.0N	89.2W		VII	0	LIMITED	128	ILLINOIS: CAIRO
23	7	1883		40.5N	13.9E			1,990	SEVERE	73	CASSAMICCIOLA,FORIO,LACCO AMENA, ISLAND OF ISC
28	7	1883		40.5N	13.9E			2,300	UNKNOWN	2,3	ITALY: CASAMICCIOLA (ISCHIA)
26	7	1883		40.5N	13.9E			2,000	UNKNOWN	2,3,51	ITALY: CASAMICCIOLA (ISCHIA)
26	8	1883		5.8S	106.3E#			100,000	EXTREME	73	JAVA
27	8	1883		5.8S	106.3E#					55	EAST INDIES;STRAIT OF SUNDA
9	9	1883	1415	38.2N	22.1E		N 5.8	SOME	MODERATE	99	GREECE
15	10	1883		38.3N	26.2E		IX	15,000	SEVERE	55,71	GREECE;ASIA MINOR;AVALIK,VURLA,CHESMEK
15	10	1883	1330	38.4N	26.1E		7.3	120	MODERATE	99	CHIOS
20	7	1884		15.6N	39.5E		VIII		LIMITED	134	ETHIOPIA: MASSAWA
5	11	1884		9.1N	79.4W				MODERATE	103	PANAMA: AQUADAS,PACORIA
9	11	1884	0900	41.5N	111.2W		VI	0	UNKNOWN	128	UTAH
14	11	1884		23.0N	101.1E		VIII	17	LIMITED	48	CHINA
27	11	1884		44.9N	6.7E				UNKNOWN	55	FRANCE: BRIANCON
25	12	1884		36.9N	4.0W		IX	745	SEVERE	124	SPAIN: ARENAS DEL REY
25	12	1884		37.0N	4.0W#		XI	745	SEVERE	55,73,93	SPAIN: VEGA,ALHAMA,MALAGA
25	12	1884	2055	37.0N	4.0W		XI	307	SEVERE	99	SPAIN
14	1	1885		34.5N	105.7E		VIII	80	MODERATE	48	CHINA
22	2	1885	0730	9.8N	125.5E		VIII		SEVERE	55,72	PHILIPPINES: E. MINDANAO,SURIGAO
31	3	1885	0756	36.5N	121.0W		VIII		LIMITED	74	HOLLISTER (17 MILES SE OF)
30	5	1885		33.5N	75.0E#			2,000		55	INDIA: CASHMERE,SOPOR,MUSASERABAD
30	5	1885		33.5N	75.0E			3,000	SEVERE	2,73,95	INDIA: SRINAGAR
30	5	1885		33.5N	75.0E#			300	UNKNOWN	100	INDIA: SRINAGAR
23	7	1885	1445	8.6N	123.4E		IX		MODERATE	55,58,72	PHILIPPINES: N.E. MINDANAO,DAPITAN

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
2	8	1885	2120	42.7N	74.1E		6.9	54	MODERATE	44 BOLOVOD
27	8	1886		37.0N	21.2E#		IX	600	SEVERE	93 GREECE: PHILIATRA,TRIPHYLIE,MARATHOS
27	8	1886	2030	37.0N	21.2E		8.4	326	SEVERE	99 GREECE
28	8	1886		37.0N	21.2E#			300	SEVERE	73 MOREA,ISLAND OF ZANTE
1	9	1886	0251	32.9N	80.0W		IX	60	5	128,154 SOUTH CAROLINA: CHARLESTON
2	2	1887	1500	10.7N	122.6E		IX		MODERATE	55,72 PHILIPPINES: PANAY,ILOIOL
23	2	1887		43.9N	8.1E#		IX	640	4	93 NICE TO SAVONE
23	2	1887	0523	43.9N	8.1E		X	800	SEVERE	99 ITALY: LIGURIAN COAST
23	2	1887	0523	43.9N	8.1E		X	1,000	EXTREME	116 FRANCE: LIGURIE-MENTON
24	3	1887	1314	13.6N	123.2E		VIII		MODERATE	55,72 PHILIPPINES: S.E. LUZON,CAMARINES,NUEVA,CACERES
3	5	1887	2113	31.0N	109.0W		IX	0	LIMITED	128 MEXICO: SONORA
8	6	1887	2335	43.1N	76.8E		7.3		MODERATE	44 VERNENSK
29	11	1887	1330	35.6N	0.3E		X	20	LIMITED	99 ALGERIA
3	12	1887		39.6N	16.3E				MODERATE	5 ITALY: BISIGNANO
5	12	1887	1530	37.1N	112.5W		VI	0	LIMITED	128 UTAH
16	12	1887		23.7N	102.5E		IX	2,000	MODERATE	48 CHINA
13	6	1888		38.5N	119.0E		7.5	FEW	LIMITED	48,52 CHINA
22	9	1888	1000	41.3N	43.3E		6.1	MANY	MODERATE	99 TURKEY
2	11	1888		37.1N	104.2E		VIII	50	MODERATE	48 CHINA
1	1	1889	0229	9.8N	125.5E		VII		LIMITED	55,72 PHILIPPINES: N.E. MINDANAO,SURIGAO,BUTUAN
25	5	1889	1823	13.7N	121.0E		VIII		MODERATE	55,72 PHILIPPINES: S. LUZON,N. MINDORO
11	7	1889	2214	43.2N	78.7E		8.3		MODERATE	44 CHILIK
28	7	1889		31.5N	131.0E			20	LIMITED	137 JAPAN: KUMAMOTO
25	10	1889	2129	39.2N	26.0E		N 6.9	25	MODERATE	99 LESVOS
6	2	1890	1610	11.3N	124.7E		VIII		LIMITED	55,72 PHILIPPINES: N. LEYTE,CARIGARA,BARUGO
17	2	1890		36.6N	101.8E		VIII	SOME	UNKNOWN	48 CHINA
11	7	1890	0755	36.5N	54.9E		10 6.5	171	MODERATE	44 WESTERN TURKMENIA
15	1	1891	0400	36.5N	1.8E		X	36	LIMITED	99 ALGERIA
17	4	1891		37.0N	111.9E		VII	31	LIMITED	48 CHINA
25	6	1891	1210	8.2N	126.1E		VII		LIMITED	55,72 PHILIPPINES: E. MINDANAO,AGUSAN R.
27	7	1891	0228	37.9N	87.5W		VI	0	UNKNOWN	128 INDIANA: EVANSVILLE
12	10	1891	0628	38.5N	122.5W		IX		LIMITED	74 SONOMA,NAPA
27	10	1891	2136	35.6N	136.2E			7,273	EXTREME	97 JAPAN
27	10	1891	2137	35.4N	136.8E			7,279	EXTREME	5 JAPAN: MIND-OWARI
28	10	1891		35.5N	137.0E		8.4	7,270	UNKNOWN	2,3,51,68 JAPAN
28	10	1891		35.5N	137.0E			7,273	EXTREME	137 JAPAN: OWARI
24	2	1892	0720	31.5N	116.5W		X		SEVERE	74 SAN DIEGO COUNTY
24	2	1892	0720	31.5N	116.5W		IX	0	MODERATE	128 BAJA CALIFORNIA
8	3	1892		21.0N	122.0E		VIII		MODERATE	55,72 PHILIPPINES: BATANES I.,SAN DOMINGO
16	3	1892	1258	17.3N	120.6E		X	2	SEVERE	55,58,72 PHILIPPINES: N. LUZON,PANGASINAN UNION,ABRA
19	4	1892	1050	38.5N	122.5W		IX		MODERATE	74 VACAVILLE,WINTERS
19	4	1892	1050	38.5N	122.5W		IX	0	0.25	128 CALIF.
21	4	1892	1743	38.5N	122.0W		IX	0	MODERATE	128 CALIF.

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
16	5	1892	2110	14.0N	143.3E		VIII		SEVERE	72	GUAM: AGANA
31	1	1893	0230	37.7N	20.9E		N 6.4		MODERATE	99	GREECE
9	2	1893	1600	40.5N	25.5E		N 5.9		MODERATE	99	SAMOTHRAKI
7	3	1893	0103	46.0N	119.0W		VII	0	UNKNOWN	128	OREGON
31	3	1893		38.3N	38.3E		6.7	400	SEVERE	71,99	TURKEY
4	4	1893	1940	34.5N	118.5W		IX		LIMITED	74	LOS ANGELES (35 MILES NW OF)
17	4	1893	0437	37.7N	20.9E		N 6.4		SEVERE	99	GREECE: ZAKINTHOS
19	5	1893	0035	34.0N	119.0W		VII		LIMITED	74	S. CALIFORNIA
23	5	1893		38.3N	23.3E		IX	2	INSIGNIFICANT	93	GREECE: THEBES
1	6	1893		36.6N	101.8E		VII	MANY	LIMITED	48	CHINA
14	6	1893		40.2N	19.7E		7.5		SEVERE	99	ALBANIA
21	6	1893	0650	8.2N	126.1E		X	MANY	INSIGNIFICANT	55,72	PHILIPPINES: E. MINDANAO,AGUSAN R.
29	8	1893		30.5N	101.5E		VIII	200	MODERATE	48	
7	9	1893		34.7N	106.6W		VII	0	UNKNOWN	128	NEW MEXICO
17	11	1893	1506	37.2N	58.4E			18,000	EXTREME	44	WESTERN TURKMENIA
17	12	1893		41.7N	82.8E		VII	SOME	LIMITED	48	CHINA
		1894		85.N	70.7W			GREAT	UNKNOWN	64	VENEZUELA: MERIDA,MESA,BOLIVAR
9	2	1894	1642	6.0N	126.0E		VIII		MODERATE	55,72	PHILIPPINES: S.E. MINDANAO,E. DAVAO GULF
22	3	1894		42.0N	145.5E				LIMITED	137	JAPAN: NEMURO (TSUNAMI)
20	4	1894		38.6N	23.2E#		X	255	\$4 MILLION	93	GREECE: LOCRIDE
20	4	1894	1452	38.6N	23.2E		6.7		MODERATE	99	GREECE
27	4	1894	1742	38.7N	23.1E		N 6.9	255	SEVERE	99	GREECE
20	6	1894	0504	36.0N	139.7E			26	LIMITED	97	JAPAN
20	6	1894		36.0N	140.0E			24	LIMITED	137	JAPAN: TOKYO
28	6	1894	1357	8.2N	126.1E		VIII	MANY	INSIGNIFICANT	55,72	PHILIPPINES: E. MINDANAO,AGUSAN R. VALLEY
10	7	1894		40.6N	28.7E		IX		LIMITED	2,55,71	TURKEY: CONSTANTINOPLE TO ADABAZAR
22	10	1894		38.0N	139.0E			726	SEVERE	137	JAPAN: SYONAI
16	11	1894	1748	38.3N	15.8E#		IX	101	MODERATE	93,99	PALMI,S. CRISTINA
16	11	1894	0752	38.3N	15.9E			101	SEVERE	5	ITALY: PALMI
		1895		38.6N	27.1E		IX		INSIGNIFICANT	71	TURKEY
14	4	1895		46.1N	14.5E		IX		\$3 MILLION	93	YUGOSLAVIA: LJUBLJANA
13	5	1895	2242	13.4N	121.2E		VII		MODERATE	55,72	PHILIPPINES: N. MINDORO,CALAPAN
14	5	1895	0400	39.5N	20.5E		N 7.5	MANY	SEVERE	99	GREECE
7	6	1895	1356	13.4N	121.2E		VII		LIMITED	55,72	PHILIPPINES: N. MINDORO,CALAPAN
8	7	1895	2130	39.5N	53.7E		60 8.2	0	MODERATE	44	USSR
30	8	1895		23.5N	116.3E		VIII	72	MODERATE	48	CHINA
14	2	1896		29.2N	104.9E		VII	20	LIMITED	48	CHINA
15	6	1896	1033	39.6N	144.2E		7.6	27,122	SEVERE	56	(TSUNAMI)
15	6	1896		39.6N	144.2E		7.6	27,122	EXTREME	2,3,51,65,68	JAPAN: SANRIKU (TSUNAMI)
15	6	1896		39.0N	143.5E			27,122	EXTREME	137	JAPAN: SANRIKU (TSUNAMI)
15	6	1896		39.2N	143.5E			28,321	SEVERE	5	JAPAN: SANRIKU (TSUNAMI)
26	8	1896		64.0N	21.0W				SEVERE	55	ICELAND: ARNESSYSLA,RANGARVALLASYSLA,FAXAFLOI
31	8	1896	0806	39.5N	140.6E			206	SEVERE	97	JAPAN

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
31	8	1896	0806	39.5N	140.6E			206	SEVERE	97 JAPAN
31	8	1896		40.0N	141.0E			206	SEVERE	137 JAPAN: UGO
13	.9	1896	0456	18.3N	121.1E		VII		LIMITED	55,72 PHILIPPINES: N.W. LUZON, LAOAG, APARRI
3	1	1897		6.0N	122.7E		X	100	MODERATE	58 PHILIPPINES: CAMIGUIN ISLAND, SULU, W. MINDANAO
31	12	1899	0750	41.6N	43.5E		5.6	247	MODERATE	99 TURKEY
<b>1900</b>										
11	1	1900	0907	36.5N	133.5E			7.8		6
14	1	1900		6.9S	106.8E				SEVERE	122 SOEKBOEMI
20	1	1900	0633	20.0N	105.0W			S 8.3		6
16	5	1900	2012	20.0N	105.0W			S 7.8		
21	6	1900	2052	20.0N	80.0W			S 7.9		
29	7	1900	0659	10.0S	165.0E			S 8.1		
7	10	1900	2104	4.0S	140.0E			S 7.8		
9	10	1900	1228	60.0N	142.0W			S 8.3		
29	10	1900	0911	11.0N	66.0W			S 8.4	0 GREAT	6,38,128
25	12	1900	0504	43.0N	146.0E			S 7.8		64 VENEZUELA
7	1	1901	0029	2.0S	82.0W			S 7.8		
15	2	1901		26.0N	100.0E			6.0	SOME	48
5	4	1901	2330	45.0N	148.0E			S 7.9		
24	6	1901	0702	27.0N	130.0E			S 7.9		
9	8	1901	0923	40.0N	144.0E			S 7.9		
9	8	1901	1301	22.0S	170.0E			S 8.4		
9	8	1901	1833	40.0N	144.0E			S 8.3		
10	8	1901		40.5N	141.5E			7.8	18	65 JAPAN: HACHINOHE
10	9	1901	0830	14.0N	122.3E			VII		72 E. TAYABAS, CALAUAG BAY
14	12	1901	2257	14.0N	122.0E			S 7.8		
15	12	1901	0658	14.0N	122.0E			VII		72 S. LUZON
31	12	1901	0902	52.0N	177.0W			S 7.8		
1	1	1902	0520	55.0N	165.0W			S 7.8		
24	1	1902	2327	8.0S	150.0E			S 7.8		
9	2	1902	0735	20.0S	174.0W			S 7.8		
13	2	1902	0939	40.7N	48.6E			15 6.9		44
26	2	1902		13.0N	89.0W&					56 EL SALVADOR (TSUNAMI)
20	3	1902	0610	42.6N	43.4E			4.6		4
18	4	1902		14.0N	91.0W#					51 GUATEMALA: QUEZALTENANGO, SAN MARCOS
19	4	1902	0223	14.0N	91.0W			S 8.3		132 SEVERE
29	4	1902	0657	34.5N	120.5W			VIII		0
5	6	1902		50.0N	148.0E			8.0		44 CALIF.
	8	1902		26.3N	99.9E			5.5		48 LIMITED
21	8	1902		7.5N	124.3E			X		12 PHILIPPINES: MINDANAO, LANA O, COTABATO
21	8	1902	1917	6.3N	123.6E			X	MANY	72 SEVERE

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
22	8	1902	0300	40.0N	76.5E		8.3	200	SEVERE	48
26	8	1902	0109	10.8N	122.6E		IX		SEVERE	72 ILOILO, PANAY
22	9	1902	0130	18.0N	146.0E		S 8.1		SEVERE	6,60,72 GUAM: AGANA
23	9	1902	2018	16.0N	93.0W		S 8.4		UNKNOWN	7,142
17	11	1902	0838	14.0N	120.3E		VI		LIMITED	72 S.W. LUZON
12	12	1902	2310	29.0N	114.0W		S 7.8			
13	12	1902		40.8N	72.6E			4,562	UNKNOWN	51 USSR: ANDIZHAN, TASHKENT
16	12	1902		40.8N	72.6E			4,500	UNKNOWN	3
16	12	1902	0507	40.8N	72.3E		9 6.4	4,725	\$6 MILLION	44 ANDIZHAN
4	1	1903	0507	20.0S	175.0W	400	8.0			
14	1	1903	0147	15.0N	98.0W		S 8.3			
1	2	1903	0934	48.0N	98.0E		S 7.8			
10	2	1903	1239	14.0N	143.3E		VII		LIMITED	72 GUAM
27	2	1903	0043	8.0S	106.0E		S 8.1			
29	3	1903	2230	32.2N	35.3E		5.7	20	UNKNOWN	138 ISRAEL: NABLUS
19	4	1903		39.1N	42.4E		IX	1,700	SEVERE	71
28	4	1903	2346	39.1N	42.5E		6.3	2,200	UNKNOWN	138 TURKEY: MALAZGIRT
13	5	1903	0634	17.0S	168.0E		S 7.8			
2	6	1903	1317	57.0N	156.0W	100	8.3			
11	8	1903	0432	36.0N	23.0E	100	8.3			
25	9	1903		35.2N	58.4E			300		76 IRAN: TURSHIZ
25	9	1903	0120	35.2N	58.2E		6.5	350	UNKNOWN	138 IRAN: KASHBAR
28	12	1903	0256	7.0N	127.0E		S 7.8		MODERATE	72 DAVAO GULF
20	1	1904	1452	7.0N	79.0W		7.9			
18	3	1904	1342	42.5N	145.8E		7.6		INSIGNIFICANT	44
4	4	1904	1017	41.8N	23.2W		7.8		LIMITED	2,155 PERU
24	4	1904	0639	23.4N	120.5E		6.3	3	LIMITED	48
7	6	1904	0817	40.0N	134.0E	350	7.9			
25	6	1904	1445	52.0N	159.0E		S 8.3			
25	6	1904	2100	52.0N	159.0E		8.1			1
27	6	1904	0009	52.0N	159.0E		7.9			
24	8	1904	2059	30.0N	130.0E		S 7.9			
27	8	1904	2156	64.0N	151.0W		S 8.3			
30	8	1904		31.2N	100.9E		6.0	400	MODERATE	48
9	10	1904	0239	18.0N	120.0E		VII		LIMITED	72 N.W. LUZON
5	11	1904	2025	23.5N	120.4E		6.3	145	MODERATE	48
20	12	1904	0544	8.5N	83.0W		S 8.3			
22	1	1905	0243	1.0N	123.0E	90	8.4			
14	2	1905	0846	53.0N	178.0W		S 7.9			
4	4	1905	0050	33.0N	76.0E		S 8.6	20,000	EXTREME	6,95,100,101
1	6	1905		42.1N	19.6E#		X	120	23.8	93 SHKODER, ALBANIA
1	6	1905	0442	42.1N	19.6E		X	120	SEVERE	1,4,109 SHKODER
6	7	1905	1621	39.5N	142.5E		S 7.9			
9	7	1905	0940	49.0N	99.0E		S 8.4			

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
23	7	1905	0246	49.0N	98.0E	S	8.7			
1	9	1905	0245	45.0N	143.0E	230	7.5			
8	9	1905		39.4N	16.4E		7.9	2,500	UNKNOWN	3
8	9	1905	0143	39.0N	16.0E		X	557	SEVERE	4,93
7	1	1906		26.2N	104.1E		5.5	10	LIMITED	48
										ITALY: MONTELEONE,TROPEA,NONTE PORO
21	1	1906	1349	34.0N	138.0E	340	8.4			
31	1	1906	0300	1.0N	80.0W				MODERATE	92
31	1	1906	1524	1.0N	80.0W			MANY	UNKNOWN	47
31	1	1906	1536	1.0N	81.5W		8.1			106
31	1	1906	1536	1.0N	81.5W	S	8.9	1,000	UNKNOWN	3
31	1	1906	1536	1.0N	81.5W		XII	400	MODERATE	118
1	3	1906		41.1N	20.1E		X		SEVERE	93
16	3	1906	0000	23.6N	120.5E#	0	7.1	1,300	SEVERE	3
16	3	1906	2242	23.6N	120.5E		7.0	1,276	SEVERE	97
16	3	1906	2242	23.6N	120.5E		7.0	1,258	SEVERE	6,48
13	4	1906	2352	23.4N	120.4E		6.5	15	MODERATE	48
18	4	1906	1312	38.0N	123.0W		8.3	700	400	129
18	4	1906	1312	38.0N	123.0W		8.3	700	24	128
18	4	1906	1312	38.0N	123.0W	S	8.3	700	EXTREME	2,3,74
	5	1906		24.6N	98.6E		5.3	2	LIMITED	48
										CALIF.: SAN FRANCISCO
17	8	1906		33.0S	72.0W#			3,760	256	51
17	8	1906	0010	51.0N	179.0E	S	8.3			
17	8	1906	0040	33.0S	72.0W	S	8.6	1,500	SEVERE	1,5,145
14	9	1906	1604	7.0S	149.0E	S	8.4			
28	9	1906	1524	2.0S	79.0W	150	7.9			
19	11	1906	0718	22.0S	109.0E	60	7.8			
3	12	1906	2259	15.0N	61.0W	100	7.5			
22	12	1906	1821	43.5N	85.0E	S	8.3			
22	12	1906	1821	43.9N	85.6E		8.0	280	SEVERE	48
14	1	1907	2136	18.2N	76.7W		6.5	1,000	30	2,49,51
15	4	1907	0608	17.0N	100.0W	S	8.3			
18	4	1907	2100	14.0N	123.0E		7.6	2	SEVERE	58,72
25	5	1907	1402	51.5N	147.0E	600	7.9			CAMARINES PROVINCE
25	5	1907	2352	18.0N	120.0E		VIII		MODERATE	72
25	6	1907	1754	1.0N	127.0E	200	7.9			N. LUZON
2	9	1907	1601	52.0N	173.0E	S	7.8			
16	10	1907	1457	28.0N	112.5W		7.5			
23	10	1907		44.4N	10.3E		X	167	SEVERE	93
23	10	1907	2028	38.0N	16.1E	N	X	167	SEVERE	4,93
24	11	1907	2159	14.0N	123.0E		IX		SEVERE	72
										GERRUZANO,ZOPARTO
										ITALY: FERRUZANO,AOPARTO,S. ILARIO,BIANCANOVA
										CAMARINES PROVINCE



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> U.S.)	REFERENCE LOCATION
5	1	1908	1440	48.6N	23.1E	5	4.7		LIMITED	44
5	1	1908	1440	48.6N	23.1E	5	4.7		LIMITED	44
26	3	1908	2303	18.0N	99.0W	80	8.1			
15	4	1908	1954	25.0N	121.5E		7.3	9	LIMITED	48
15	4	1908	1954	25.0N	121.5E		7.3	9	LIMITED	48
12	12	1908		8.0S	76.0W		8.2			2
28	12	1908		38.2N	15.6E		7.5	75,000	EXTREME	5,145
28	12	1908		38.2N	15.6E		7.5	75,000	EXTREME	5,145
28	12	1908	0436	38.3N	15.6E			58,000	EXTREME	59 ITALY: CALABRIA,MESSINA
28	12	1908	0436	38.3N	15.6E			58,000	EXTREME	59 ITALY: CALABRIA,MESSINA
23	1	1909	0248	33.4N	49.1E		7.3	5,500	UNKNOWN	76,138 IRAN: SILAKOR
23	1	1909	0315	32.7N	51.7E		7.7			2
22	2	1909	0921	18.0S	179.0W	550	7.9			
13	3	1909	1429	31.5N	142.5E	80	8.3			
18	3	1909	1630	8.0N	127.0E		VIII		MODERATE	72 E. MINDANAO
23	4	1909	1741	37.8N	8.9W		X	30	UNKNOWN	4,93 SPAIN: RIBATEJO
11	5	1909		24.4N	103.0E		6.5	19	LIMITED	48
26	5	1909	1442	42.5N	89.0W	0	VIII		INSIGNIFICANT	38
3	6	1909	1841	2.5S	101.5E		7.5			86
8	6	1909		26.5S	70.5W		7.6			87
11	6	1909	2106	43.5N	5.4E	3	X	40	MODERATE	2,4
8	7	1909	0230	35.5N	72.5E			10	LIMITED	101
30	7	1909	1051	17.0N	100.5W		7.8		UNKNOWN	7,142
14	8	1909		35.5N	137.0E			41	MODERATE	137 JAPAN: OOMI
14	8	1909	0631	35.5N	136.3E			41	MODERATE	97
29	10	1909	0645	40.5N	124.0W		IX		LIMITED	74 CALIF.: ROHNERVILLE
10	11	1909	0613	32.0N	131.0E	190	7.9			
9	12	1909	2300	14.0N	143.3E		VIII		SEVERE	72 GUAM
9	12	1909	2328	12.5N	145.0E	100	8.0			85
9	12	1909	2330	13.0N	145.0E				MODERATE	60
<b>1910</b>										
8	1	1910	1449	35.0N	122.0E		6.8	30	LIMITED	48
12	2	1910	1810	33.0N	138.5E	350	7.6			85
12	4	1910	0022	25.5N	122.5E	200	8.3			
13	4	1910		9.8N	84.0W			1,750	MODERATE	51,103 COSTA RICA: CARTAGO
4	5	1910	2350	10.0N	84.0W			700	SEVERE	103 COSTA RICO: CARTAGO
1	6	1910	0555	20.0S	169.0E	80	7.5			
16	6	1910	0630	19.0S	169.5E	100	8.6			
9	11	1910	0602	15.0S	166.0E	80	7.9			

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> U.S.)	REFERENCE LOCATION
16	12	1910	1445	4.5N	126.0E		7.5			86
3	1	1911	2325	43.5N	77.5E		S 8.7	450	SEVERE	3,44
18	2	1911	1841	38.2N	72.8E		26 7.4	90	MODERATE	44 SAREZ
18	2	1911	1841	40.0N	73.0E		7.8			
5	4	1911	1528	39.3N	15.3E	200	6.3		UNKNOWN	75
18	4	1911		31.3N	56.8E			60	UNKNOWN	76 IRAN: RAVAR
4	5	1911	2336	51.0N	157.0E	240	7.6			
7	6	1911	1102	19.7N	103.7W		S 7.9	45	UNKNOWN	2,7
15	6	1911		28.0N	131.0E			12	MODERATE	137 JAPAN: KIKAI ISLAND
15	6	1911	1426	29.0N	129.0E	160	8.7			
12	7	1911	0407	9.0N	126.0E		7.8			
16	8	1911	2241	7.0N	137.0E		S 8.1			
16	12	1911	1914	17.0N	100.5W		50 7.5			7
23	5	1912		21.0N	97.0E		8.0			100
23	5	1912		21.0N	97.0E		8.0			95 BURMA
23	5	1912	0224	21.0N	97.0E		S 7.9			
24	7	1912	1150	7.8S	78.5W		X 7.8	MANY 1,950	0.7 UNKNOWN	111 HUANCABAMBA, CAJAMARCA, GUAYAQUIL
9	8	1912	0129	40.5N	27.0E		7.8	216	SEVERE	1,3
9	8	1912	0129	40.7N	27.2E		7.75		LIMITED	71
10	8	1912	0117	45.3N	45.1E	50	5.7			44
7	11	1912	0740	57.5N	155.0W	90	7.5			
19	11	1912	1318	19.9N	99.8W		7.8		UNKNOWN	143
7	12	1912	2246	29.0S	62.5W	620	7.5			
19	1	1913	2348	46.0N	152.0E	150	7.5		INSIGNIFICANT	44
24	2	1913	0230	4.2S	79.4W		6.1	MANY	MODERATE	47,106 ECUADOR: GONZANAMA
14	3	1913	0845	4.5N	126.5E		S 8.3			
24	3	1913		27.5N	53.8E			11		76 IRAN: TEYHAN
28	6	1913	0853	39.6N	16.2E		IX 6.0		MODERATE	4,93 ITALY: COSENZA, ROGLIANO, BISIGANO
8	8	1913		28.4N	102.3E		6.0	10	LIMITED	48
6	8	1913	2214	17.0S	74.0W	25	7.9	SEVERAL	LIMITED	111 PERU
14	10	1913	0808	19.5S	169.0E	230	8.1			
4	11	1913	2133	14.3S	73.3W			150	SEVERE	111 AIMARES, CASAYA, SORAYA, TARRAY
10	11	1913	2112	18.0S	169.0E	80	7.5			
21	12	1913	1537	24.2N	102.5E		6.5	942	SEVERE	48
		1914		31.5N	131.0E			29	LIMITED	137 JAPAN: SAKURAZIMA (OMITS ERUPTION CASUALTIES)
		1914		39.4N	140.0E			94	MODERATE	137 JAPAN: UGO
30	1	1914		33.3S	66.3W		8.2			2
10	2	1914	1831	45.0N	76.9W		VII 7.5	1	INSIGNIFICANT	128 CANADA
30	3	1914	0041	17.0N	92.0W	150	7.5			7
26	5	1914	1422	2.0S	137.0E		7.9			
3	10	1914		37.7N	30.4E#		6.5	300	EXTREME	141 BURDUR

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
3	10	1914		36.7N	33.0E		7.7		2	2	
3	10	1914	2207	37.7N	30.4E		7.1	FEW	SEVERE	71	
24	11	1914	1153	22.0N	143.0E	110	8.7				
2	12	1914	2355	15.2S	73.2W			34	SEVERE	111	PARARCA,PAYSA,COLTA,OYALA
13	1	1915		42.1N	13.4E		7.5	30,000	EXTREME	2,145	
13	1	1915	0652	49.6N	13.4E			32,610	EXTREME	59	ITALY: MARSIA,ABRUZZ
14	1	1915	0509	42.8N	44.7E	19	5.4		LIMITED	44	
1	5	1915	0500	47.0N	155.0E		S 8.1				
6	6	1915	2129	18.5S	68.5W	160	7.6				
23	6	1915	0456	32.8N	115.5W		6.2	6	0.900	74,128	CALIF.: EL CENTRO
7	7	1915	1642	39.0N	13.4E	250	5.9		UNKNOWN	75	
31	7	1915	0131	54.0N	162.0E		7.8				
7	9	1915	0120	14.0N	89.0W	80	7.9			7	
3	10	1915	0653	40.5N	117.5W		7.8	0	LIMITED	74,128	NEVADA: PLEASANT VALLEY
1	1	1916	1320	4.0S	154.0E		S 7.9				
13	1	1916	0820	3.0S	135.5E		S 8.1				
24	1	1916	0000	37.8N	31.7E		7.8			2	
27	2	1916	2020	12.0N	90.0W		7.5				
18	4	1916	0401	53.2N	170.0W	170	7.5				
6	6	1916	0127	44.1N	12.5E		4.3		UNKNOWN	75	
21	6	1916	2132	28.5S	63.0W	600	7.5				
25	8	1916	0944	21.0S	68.0W	180	7.5				
28	8	1916	0727	23.7N	120.9E		6.0	100	MODERATE	48	
9	9	1916		7.6S	109.0E				LIMITED	122	MAOS (BANJOEMOS)
31	10	1916	1531	45.5N	154.0E		7.7		INSIGNIFICANT	44	
14	11	1916	2231	24.0N	120.8E		6.0	1	LIMITED	48	
		1917		13.8N	89.2W			MANY	EXTREME	88,107	EL SALVADOR: SAN SALVADOR,APOPA,NEJAPA
4	1	1917	1650	23.9N	120.9E			70	MODERATE	97	
4	1	1917	1650	23.9N	120.9E		6.3	54	LIMITED	48	
6	1	1917	1808	24.0N	120.9E		6.0	0	LIMITED	48	
21	1	1917		8.0S	115.4E			15,000	UNKNOWN	51	INDONESIA: BALI
24	1	1917	0048	31.3N	116.3E		6.3	10	LIMITED	48	
30	1	1917	0245	56.5N	163.0E		S 8.1				
1	5	1917	1826	29.0S	177.0W		8.6				
26	6	1917	0549	15.5S	173.0W		S 8.7				
29	7	1917		3.5S	141.0E		7.6			84	
30	7	1917	2354	28.0N	104.0E		6.5	1,803	MODERATE	48	
29	8	1917	1130	4.6N	74.0W		VIII	6	MODERATE	118	COLOMBIA: BOGOTA
30	8	1917	0407	7.5S	128.0E	100	7.8				
31	8	1917	0636	4.6N	74.0W		6.6	SOME	LIMITED	110	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
28	12	1917	1604	40.4N	14.0E		5.2		UNKNOWN	75
3	1	1918	0445	14.5N	90.6W		5.8		SEVERE	7,46
30	1	1918	2118	45.5N	135.0E	330	7.7			
7	2	1918	0520	6.5N	126.5E	120	7.5			
13	2	1918	0607	23.5N	117.0E		7.3	10,000	EXTREME	48 CHINA: KWANTUNG PROVINCE
21	4	1918	2232	33.7N	117.0W		6.8	0	0.200	74,128 CALIF.
20	5	1918	1755	28.5S	71.5W	80	7.9			
3	7	1918	0652	3.5S	142.5E		7.5			
8	7	1918	1022	24.5N	91.0E		7.6		MODERATE	100
15	8	1918	1213	5.5N	123.0E	S	8.5	50		58 PHILIPPINES: MINDANAO, COTABATO
7	9	1918	1716	45.5N	151.5E	S	8.2	23	LIMITED	56 (TSUNAMI)
11	10	1918	1415	18.5N	67.5W		7.5	116	4	78,128 PUERTO RICO (TSUNAMI)
8	11	1918	0438	44.5N	151.5E	S	7.9			
18	11	1918	1841	7.0S	129.0E	190	8.1			
4	12	1918	1147	26.0S	71.0W		7.8			
18	12	1918	1244	27.3S	70.5W		7.5		SEVERE	157 CHILE: COPIAPO
1	1	1919	0259	19.5S	176.5W	180	8.3			
30	4	1919	0717	19.0S	172.5W	S	8.4			
3	5	1919	0052	40.5N	145.5E		7.6			
6	5	1919	0000	5.9S	155.0E		8.1			2
6	5	1919	1941	5.0S	154.0E	S	8.1			
18	11	1919	2154	39.6N	27.7E		7.0		UNKNOWN	4
22	12	1919		39.4N	20.5E		IX		SEVERE	93 JANINA, KONITZA
<b>1920</b>										
3	1	1920	1624	19.3N	96.9W		7.8	648	MODERATE	142,143
2	2	1920	1122	4.0S	152.5E		7.7			
20	2	1920	1145	42.0N	44.1E	11	6.2	40	MODERATE	44
29	5	1920	1912	43.1N	14.3E		5.0		UNKNOWN	75
30	5	1920	1011	43.0N	15.0E		4.9		UNKNOWN	75
4	6	1920	0446	44.4N	13.2E		4.2		UNKNOWN	75
5	6	1920	0421	23.5N	122.0E	S	8.3			
5	6	1920	0421	24.0N	122.0E		8.0	5	LIMITED	48
15	6	1920	1403	43.0N	15.0E		4.4		UNKNOWN	75
21	6	1920	248	34.0N	118.5W		IX		LIMITED	74 CALIF.: INGLEWOOD
11	7	1920	1727	40.0N	14.0E		5.2		UNKNOWN	75
7	9	1920	0000	38.1N	15.7E		0.0	1,400	SEVERE	2
20	9	1920	1439	20.0S	168.0E	S	8.3			

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
26	11	1920	0851	40.5N	20.0E	N	X	200	UNKNOWN	4,109	TEPELENE,GJIROKASTER,KORCE
16	12	1920	1205	36.0N	105.0E	S	8.6	100,000	EXTREME	2,3	
16	12	1920	1205	36.5N	105.7E		8.5	200,000	EXTREME	48	CHINA: KANSU
4	2	1921	0822	15.0N	91.0W	120	7.5				
30	4	1921		19.7N	104.3W		7.8			143	
28	6	1921	1359	39.3S	176.4E	140	6.8		UNKNOWN	6	
14	8	1921	1315	15.5N	40.5E		5.7		SEVERE	134	ETHIOPIA: MASSAWA
11	9	1921	0401	11.0S	111.0E		7.5				
29	9	1921	1412	38.8N	112.2W		VIII	0	LIMITED	128	UTAH: ELSINORE
11	11	1921	1836	8.0N	127.0E		7.5	600	UNKNOWN	3,58	
18	12	1921	1529	2.5S	71.0W	650	7.9				
17	1	1922	0350	2.5S	71.0W	650	7.6				
31	1	1922	1317	41.0N	125.5W		7.6	0	INSIGNIFICANT	5	
24	3	1922		44.5N	20.3E		XI	MANY	SEVERE	93	YUGOSLAVIA: BELGRADE
1	9	1922	1916	24.6N	122.2E		7.6	5	LIMITED	48	
11	10	1922	1450	16.0S	72.5W		7.4		MODERATE	111	
24	10	1922	2121	47.0N	151.8E	80	7.5		INSIGNIFICANT	44	
11	11	1922	0432	28.5S	70.0W	S	8.4		SEVERE	157	CHILE: ATACAMA (TSUNAMI)
6	12	1922	1355	36.5N	70.5E	230	7.5				
7	12	1922		33.0N	130.0E			27	MODERATE	137	JAPAN: SIMABARA
7	12	1922	1650	32.7N	130.3E			27	LIMITED	97	
3	2	1923	1602	54.0N	161.0E	S	8.3	3	1.5	56	(TSUNAMI)
23	2	1923	1925	0.5S	78.3W		6.7	SOME	UNKNOWN	47	
24	2	1923	0734	55.0N	162.4E		7.7		INSIGNIFICANT	44	
24	3	1923	1240	31.3N	100.8E		7.3	5,000	SEVERE	48	
25	5	1923	2221	35.3N	59.2E		5.5	2,219		76,126	IRAN: KAJ DERAKHT
25	5	1923	2221	35.2N	59.2E		5.7	2,200	UNKNOWN	138	IRAN: TORBAT
1	7	1923	0754	23.0N	101.0E		6.5	1	LIMITED	48	
8	8	1923		28.7N	102.2E		6.0	0	LIMITED	48	
1	9	1923		35.3N	139.5E#			142,807	2,800	51	JAPAN: TOYKO,YOKOHAMA
1	9	1923		35.0N	139.5E			99,331	EXTREME	137	JAPAN: KWANTO
1	9	1923	0259	35.3N	139.5E	S	8.3	99,331	EXTREME	2,97	JAPAN: TOKYO,YOKOHAMA
2	9	1923	0246	35.0N	139.5E		7.7				
9	9	1923		25.5N	91.5E				LIMITED	95	
17	9	1923	0709	35.5N	55.0E		6.5	157		1,76	IRAN: QALEH JAQ
22	9	1923	2047	29.5N	56.4E		6.7	290	UNKNOWN	138	IRAN: SIRJAN
22	9	1923	2048	29.0N	56.5E		6.9	260		1,76	IRAN: QALEH ASGAR
7	10	1923	0329	1.7S	128.7E		7.5				
24	11	1923	1847	39.1N	7.5E		4.8		UNKNOWN	75	
29	11	1923		13.5N	86.0W				UNKNOWN	103	NICARAGUA: MANAGUA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
14	12	1923	1031	1.0N	77.5W		XI	300	SEVERE	118	COLOMBIA: IPIALES
14	12	1923	1031	1.0N	77.0W		5.3	85	MODERATE	88,110	
22	12	1923	0955	5.2N	73.2W		X	7	SEVERE	118	COLOMBIA: GACHALA
22	12	1923	1000	5.0N	74.0W			7	SEVERE	110	GACHALA,GACHETA,UBALA,MEDINA
		1924		35.5N	139.5E			14	SEVERE	137	JAPAN: SAGAMI (POSSIBLY 8/6 1422)
3	3	1924	0801	1.6S	78.6W			6.9	LIMITED	47	
14	4	1924	1620	6.5N	126.5E			8.3		58	
26	6	1924	0137	56.0S	157.5E		S	8.3			
30	6	1924	1544	45.1N	147.4E	120		7.6	INSIGNIFICANT	44	
24	7	1924	0455	49.5S	159.0E	50		7.5			
31	1	1925		47.5N	20.2E		IX		0.354	93	HUNGARY: EGER
1	3	1925	0219	48.2N	70.8W	60		7.0	LIMITED	1,38,128	
!	16	3	1925	1442	25.7N	100.2E		7.0	EXTREME	48	
!	16	3	1925	1442	26.2N	101.2E		7.1	UNKNOWN	3	
22	3	1925	0841	18.5S	168.5E	50		7.6			
23	5	1925	0210	35.7N	135.0E			6.8	SEVERE	6,137	
25	5	1925	0210	35.7N	134.8E		S	6.8	SEVERE	97	
28	6	1925	0121	46.0N	111.5W			6.8	0.300	38	
29	6	1925	1442	34.3N	119.8W			6.2L	8	128	CALIF.: SANTA BARBARA
29	6	1925	1442	34.5N	119.6W			6.2L	13	2,38	
7	8	1925		38.1N	30.2E#		IX		SEVERE	141	DINAS
!	7	8	1925	0646	38.1N	30.2E		5.75	LIMITED	71	
13	10	1925	1740	11.0N	42.0W			7.5			
!	14	10	1925	1805	26.9N	100.1E		5.5	LIMITED	48	
!	14	12	1925		34.6N	58.1E		5.5		500	IRAN: BAJESTAN
12	4	1926	0832	10.0S	161.0E			7.5			
19	4	1926	0750	45.3N	39.3E	50		5.4	LIMITED	44	
26	6	1926	1946	36.5N	27.5E	100		8.3			
29	6	1926	1427	27.0N	127.0E	130		7.5			
29	6	1926	2321	34.5N	119.5W		VII	1	INSIGNIFICANT	128	CALIF.
!	17	8	1926	0143	39.0N	14.8E	100	5.8	SEVERE	1,93	ITALY: SALINA
3	10	1926	1938	49.0S	161.0E	50		7.9			
12	10	1926		42.6N	18.5E		IX	0	1.1	93	YUGOSLAVIA: BERANE,MONTENEGO
22	10	1926	1959	40.7N	43.7E	7		5.7	EXTREME	43	
26	10	1926	0344	3.2S	138.5E		S	7.9			
!	22	11	1926		25.6N	100.3E		5.5	LIMITED	48	
1	1	1927	0816	32.5N	115.5W			5.8L	1	43,74	
!	3	2	1927	0353	33.5N	121.0E		6.5	LIMITED	48	
7	3	1927	0927	35.7N	134.7E		S	7.9	SEVERE	2,3	
7	3	1927	0928	35.7N	135.0E		S	7.9	EXTREME	97,137	JAPAN: TANGO

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION	
15	3	1927	2148	38.2N	98.2E		6.0	SOME	LIMITED	48	
20	3	1927		24.1N	102.0E		5.0	7	LIMITED	48	
22	5	1927	2232	36.7N	102.0E		S 8.3	200,000	EXTREME	2,3	
22	5	1927	2232	37.6N	102.6E		8.0	40,912	EXTREME	48	
23	5	1927		37.6N	102.6E#			80,000	UNKNOWN	51	CHINA: NAN-SHAN PROVINCE
26	6	1927	1120	44.4N	34.4E	27	6.0	0	LIMITED	44	
11	7	1927	1304	32.2N	35.3E		6.0	268	UNKNOWN	138	JORDAN: DAMIYA
24	8	1927	1809	23.3N	120.3E		6.8	30	MODERATE	48	
11	9	1927	2215	44.3N	34.3E	17	6.8	10	EXTREME	44	
24	11	1927		25.2N	102.5E		5.5	SOME	LIMITED	48	
6	1	1928	1932	1.7S	35.9E		7.0		UNKNOWN	6	
10	2	1928	0439	17.8N	97.6W		7.7		UNKNOWN	143	
7	3	1928	1055	38.8N	16.0E		6.0	SOME	MODERATE	1,93	SICILY: CALABRIA
9	3	1928	1805	2.5S	88.5E		S 8.1				
16	3	1928	0501	22.0S	170.5E		7.5				
22	3	1928	0417	16.0N	96.0W		7.5			7	
30	3	1928	0942	38.1N	27.4E		6.25		LIMITED	71	
31	3	1928		38.1N	27.4E		VII	170	SEVERE	141	TEPEKOY, TORBALI
14	4	1928		42.2N	24.2E#			107	UNKNOWN	51	BULGARIA: PLOVDIV PROVINCE
14	4	1928	0900	42.2N	24.2E		6.8		SEVERE	6	
16	4	1928	0000	17.3N	96.7W		7.7		INSIGNIFICANT	2,7,143	
14	5	1928	2212	5.0S	78.0W		7.3	29	8	111	
17	6	1928	0319	16.2N	98.0W		S 7.9				
19	7	1928	2013	31.5N	102.5E		5.5	6	LIMITED	48	
21	8	1928	2119	35.5N	59.0E	12	5.0	10		76	IRAN: NEISHABUR
9	10	1928	0301	16.0N	97.0W		7.6				
1	12	1928	0406	35.0S	72.0W		S 8.3	225	SEVERE	2,157	CHILE: TALCA
4	1	1929	2058	33.5N	4.0W		4.3		UNKNOWN	4	
13	1	1929	0003	49.7N	154.7E	140	7.7				
13	1	1929	1844	40.7N	111.3E		6.0	1	LIMITED	48	
17	1	1929	1145	10.5N	64.5W		6.9	MANY	MODERATE	103	VENEZUELA: CUMANA
17	1	1929	1145	11.0N	64.0W			MANY	UNKNOWN	64	
17	1	1929	1146	10.6N	65.6W		6.1		SEVERE	46	
22	1	1929	1442	11.5N	43.0E		VIII		UNKNOWN	137	DJIBOUTI
1	2	1929	1714	36.7N	70.8E	180	7.1		SEVERE	101	
7	3	1929	0134	51.0N	170.0W	50	8.6				
1	5	1929	1537	37.8N	57.6E		7.4	3,800	UNKNOWN	138	IRAN: KOPET-DAGH
1	5	1929	1537	37.8N	57.8E	21	7.2	5,803	EXTREME	44	
1	5	1929	1538	38.0N	58.0E		7.1	3,257		1,76	IRAN: BAGHAN-GERMAB
16	6	1929	2247	41.7S	172.2E		7.6	17	MODERATE	3,6	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
27	6	1929	1247	54.0S	29.5W		S 8.3			
25	7	1929	0845	0.0N	79.0W			8	LIMITED	47 ECUADOR (TSUNAMI)
12	8	1929	1124	42.9N	78.3W				LIMITED	38
19	10	1929	1012	23.0S	69.0W	100	7.5			
18	11	1929	2032	44.0N	56.0W		7.2	52	SEVERE	38,128,146 GRAND BANKS (TSUNAMI)
17	12	1929	1058	52.5N	171.5E		S 7.6			
<b>1930</b>										
26	3	1930		38.6N	14.6E		IX		MODERATE	93 ITALY: FILICUDI
5	5	1930		17.3N	96.5E			550	UNKNOWN	95
5	5	1930		17.0N	96.5E		7.2	550	UNKNOWN	100
6	5	1930	0703	38.0N	44.5E			23		76 IRAN: SALMAS
6	5	1930	2234	38.0N	44.5E		7.2	2,514		1,76 IRAN: SALMAS
6	5	1930	2234	38.1N	44.7E		7.5	1,360	UNKNOWN	138 IRAN: SALMAS
5	7	1930	2312	37.8N	4.5W		5.6		MODERATE	1,93 SPAIN: MONTILLA
23	7	1930	0008	41.1N	15.2E		6.5	1,430	SEVERE	3,93
23	7	1930	0008	41.1N	15.4E		7 X	1,425	SEVERE	63
23	7	1930	2330	41.1N	15.4E			1,425		59 ITALY: IRPINIA
24	8	1930	1051	30.0N	100.0E		5.5	50	LIMITED	48
21	9	1930	2304	25.8N	98.4E		6.5	3	LIMITED	48
30	10	1930	0613	43.7N	13.3E	33	IX	18	LIMITED	63
30	10	1930	0713	43.7N	13.3E		6.0	18	SEVERE	1,93 ITALY: SENIGALLIA
21	11	1930		40.3N	19.3E		X	35	SEVERE	93 ALBANIA: VLORE,HIMARE
21	11	1930	0200	40.5N	19.5E	4	6.0	35	MODERATE	4,109 ALBANIA: VLORE,HIMARE,KUC
25	11	1930	1903	35.0N	139.0E		7.1	259	EXTREME	137 JAPAN: IDU
25	11	1930	1903	34.5N	139.4E		7.0	259	UNKNOWN	1,5,6
2	12	1930	1329	40.3N	19.6E	4	IX	25	MODERATE	4,109 ALBANIA: VLORE,TEPELENE
8	12	1930	0801	23.2N	120.6E		6.0	5	LIMITED	48
17	12	1930	0202	36.1N	36.2E		4.1		LIMITED	4
22	12	1930	0008	23.3N	120.4E		6.5	0	LIMITED	48
24	12	1930	1427	34.5N	4.0W		4.8		UNKNOWN	4
25	12	1930	1903	35.1N	133.0E	5	7.0	272	SEVERE	152
		1931		36.0N	139.0E			13	LIMITED	137 JAPAN: HUSASI
7	1	1931		25.0N	98.5E		5.0	0	LIMITED	48
15	1	1931	0150	16.0N	96.7W		S 7.9		UNKNOWN	7,142
27	1	1931	2009	25.6N	96.8E		7.6			
28	1	1931		40.4N	20.5E		IX	90	SEVERE	93 ALBANIA: KORCE
28	1	1931	0555	40.6N	20.8E		N IX	100	UNKNOWN	4,109 KORCE
2	2	1931	2246	39.5S	176.9E		S 7.9	256	UNKNOWN	1,51 NEW ZEALAND: HAWKES BAY



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
2	2	1931	2246	39.5S	176.9E		S 7.9	256	UNKNOWN	1,51 NEW ZEALAND: HAWKES BAY
2	2	1931	2246	39.5S	177.0E		S 7.9	225	SEVERE	3,5
9	3	1931	0348	40.5N	142.5E		7.7			
31	3	1931	1602	13.2N	85.7W		5.6	MANY	SEVERE	103 NICARAGUA: MANAGUA
31	3	1931	1602	13.2N	85.7W#			2,450	15	39,51 NICARAGUA: MANAGUA
20	4	1931	1956	43.4N	73.7W		0.0		LIMITED	38
27	4	1931	1650	39.2N	46.0E	22	6.3	SOME	SEVERE	44
10	8	1931	1843	47.1N	89.8E		8.0	5	LIMITED	48
10	8	1931	2118	47.0N	90.0E		S 7.9	11	LIMITED	48
16	8	1931	1140	30.9N	104.2W		6.4	0	UNKNOWN	38,128 TEXAS: VALENTINE
3	10	1931	1913	10.5S	161.7E		7.9	50	LIMITED	56 (TSUNAMI)
3	10	1931	1913	10.5S	161.7E		S 8.1			
10	10	1931	0019	10.0S	161.0E		7.7			
2	11	1931	1002	32.0N	131.5E		7.5			
21	11	1931	0220	36.1N	139.2E	20	7.0	16	MODERATE	152
		1932		31.8N	102.2E		5.0	SOME	LIMITED	48
3	2	1932	0616	19.6N	76.5W		5.4		SEVERE	46
6	3	1932	2143	30.1N	101.8E		6.0	50	LIMITED	48
6	4	1932	0911	31.4N	115.0E		6.0	0	LIMITED	48
14	5	1932	1311	0.5N	126.0E		S 8.3			2
26	5	1932	1609	25.5S	179.2E	600	7.9			
3	6	1932	1037	19.5N	104.2W		8.1		UNKNOWN	1,7
6	6	1932	0844	40.8N	124.3W		6.4	1	LIMITED	74,128 CALIF.: HUMBOLDT COUNTY
18	6	1932	1012	19.5N	103.5W		S 7.9		UNKNOWN	7,142
22	6	1932	1259	19.0N	104.5W		6.9	SOME	SEVERE	2,56 (TSUNAMI)
21	12	1932	0610	38.7N	117.8W		7.3	0	LIMITED	128 NEVADA: CEDAR MOUNTAIN
25	12	1932	0204	39.2N	96.5E		7.6	70,000	UNKNOWN	145
25	12	1932	0204	39.7N	97.0E		7.6	275	MODERATE	48
23	2	1933	0809	20.0S	71.0W	40	7.6			
2	3	1933		38.5N	143.0E			2,896	SEVERE	137 JAPAN: SANRIKU (TSUNAMI)
2	3	1933	1730	39.2N	144.5E		S 8.9	3,022	SEVERE	1,2
2	3	1933	1731	39.1N	144.7E	10	8.3	3,012	EXTREME	56 (TSUNAMI)
3	3	1933		39.1N	144.7E		8.3	3,008	EXTREME	65,152 JAPAN: SANRIKU (TSUNAMI)
11	3	1933	0154	33.6N	118.0W		6.3	115	40	128 CALIF.: LONG BEACH
11	3	1933	0154	33.6N	117.9W	16	6.3	120	EXTREME	2,3,38
11	3	1933	0154	33.6N	117.9W		IX	100	40	74 CALIF: LONG BEACH
24	6	1933	2154	5.5S	104.7E		7.5			
25	8	1933	0750	32.0N	103.7E		7.4	10,000	EXTREME	48
20	9	1933		29.5N	102.5E		5.0	100	LIMITED	48
26	9	1933	0333	42.0N	14.2E		N IX	10	MODERATE	4,63
12	1	1934	1331	23.7N	102.7E		6.0	1	UNKNOWN	48
15	1	1934		26.5N	86.5E		8.3	10,000	EXTREME	6,95,100 INDIA: BIHAR-NEPAL
15	1	1934	0843	26.5N	86.5E		S 8.4	10,700	EXTREME	2,3

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
14	2	1934	0359	17.5N	119.0E	S 7.9				
5	3	1934	1146	40.5S	175.5E	7.5				
12	3	1934	1506	41.7N	112.8W	6.6	2	LIMITED	128	UTAH: KOSMO
15	3	1934	1046	40.5S	175.8E	6.2		UNKNOWN	6	
18	7	1934	0136	8.0N	82.5W	7.7		0.750	7,103	
18	7	1934	1940	11.7S	166.5E	S 8.1				
3	12	1934	0136	15.0N	89.6W			UNKNOWN	103	HONDURAS
		1935		35.0N	138.0E		13	LIMITED	137	JAPAN: SIDUAKA
4	1	1935	1441	40.5N	27.5E	6.25	5	MODERATE	71,141	
5	3	1935	1027	36.3N	53.3E	6.0	60		1,76	IRAN: ALBORZ
11	4	1935	2314	36.5N	53.5E	6.8	700		1,76	IRAN: ALBORZ
11	4	1935	2315	36.3N	53.5E	6.3	690	UNKNOWN	138	IRAN: KEVSUT
17	4	1935		24.5N	120.8E	6.0	44	LIMITED	48	
20	4	1935	2201	24.2N	120.8E	7.1	3,276	SEVERE	3,6,48	
28	4	1935		29.4N	102.3E	6.0	2	LIMITED	48	
1	5	1935	1024	39.3N	40.6E	6.1	540	UNKNOWN	138	TURKEY: KIGI
11	7	1935	1835	35.0N	138.0E	10 6.3	9	LIMITED	152	
16	7	1935	1619	24.4N	120.7E	30 6.5	2,746	SEVERE	48	
7	8	1935	0902	1.0N	77.5W	95 VII	8	SEVERE	118	COLOMBIA: FUNES
11	9	1935	1404	43.0N	146.5E	60 7.6				
20	9	1935	0146	3.5S	141.7E	7.9				
19	10	1935	0448	46.6N	112.0W	6.2	4	3.5	38	
19	10	1935	0448	46.6N	112.0W	6.2	2	19	128	MONTANA: HELENA
31	10	1935	1838	46.6N	112.0W	6.0	2	6	128	MONTANA: HELENA
15	12	1935	0707	9.7S	161.0E	7.6				
18	12	1935	0710	28.6N	103.7E	6.0	0	LIMITED	48	
28	12	1935	0235	0.0S	98.2E	S 8.1				
9	1	1936	0923	1.1N	77.6W	7.0	250	MODERATE	92,144	
7	2	1936	0856	35.4N	103.4E	6.8	50	SEVERE	48	
1	4	1936		22.5N	109.4E	6.8	150	MODERATE	48	
1	4	1936	0209	4.5N	126.5E	7.7				
27	4	1936	0059	28.7N	103.2E	6.0	15	LIMITED	48	
30	6	1936	1926	33.0N	60.0E		12		7,76	IRAN: ABIZ
3	7	1936	2102	35.2N	127.6E	5.0	0-9	SEVERE	45	
16	7	1936	708	46.0N	118.3W	5.7		LIMITED	2	
1	8	1936	0624	34.2N	105.7E	6.0	134	MODERATE	48	
14	8	1936		1.2N	77.3W		18	UNKNOWN	110	COLOMBIA: PASTA
17	8	1936		26.4N	103.1E	5.5	30	LIMITED	48	
22	8	1936	0651	22.3N	120.8E	7.3	10	LIMITED	48	
11	11	1936	1711	39.0N	75.0E	5.5	SOME	LIMITED	48	
7	1	1937	1320	15.5N	98.0E	7.6				

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
7	1	1937	1320	15.5N	98.0E		7.6			
7	1	1937	2047	40.2N	44.7E	10	4.6		LIMITED	44
21	2	1937	0702	44.5N	149.4E		7.6		INSIGNIFICANT	44
16	4	1937	0301	21.5S	177.0W	400	8.1			
26	7	1937	0348	18.8N	97.5W		7.7	34	UNKNOWN	143,144
31	7	1937	2035	35.2N	115.3E		6.8	390	EXTREME	2,48
20	8	1937	1159	14.5N	121.5E		7.5			
15	9	1937		37.8N	112.5E		5.0	SOME	LIMITED	48
23	12	1937	1317	16.7N	98.5W		7.5	4	UNKNOWN	7,144
24	12	1937	0623	10.5S	75.3W		6.3	15	MODERATE	111
23	1	1938	0833	21.2N	156.1W		6.8	0	0.15	128 HAWAII: MAUI
1	2	1938	1904	5.2S	130.5E	S	8.6			
4	2	1938	1423	5.1N	75.5W	130	VIII	2	SEVERE	118 COLOMBIA: TAMESIS
14	3	1938	0514	32.3N	103.6E		6.0	7	LIMITED	48
13	4	1938	0245	39.2N	15.1E	290	7.1		UNKNOWN	75
19	4	1938	1056	39.1N	34.0E		6.8	800	UNKNOWN	2
19	4	1938	1059	39.6N	33.7E		6.75	155	SEVERE	71
19	4	1938	1099	39.4N	33.8E		6.7	224	UNKNOWN	138 TURKEY: KIRSEHIR
22	4	1938	1102	43.0N	18.1E		6.0		UNKNOWN	4
12	5	1938	1538	6.0S	147.7E		7.5			
14	5	1938	1203	23.0N	99.8E		6.0	SOME	LIMITED	48
19	5	1938	1708	1.0S	120.0E	S	7.9	8	LIMITED	2
10	6	1938	0953	25.5N	125.0E		7.7			
9	8	1938	2101	0.3S	78.4W				UNKNOWN	47 ECUADOR
5	11	1938	0843	36.7N	141.7E	60	7.7			
5	11	1938	1050	37.2N	141.7E	60	7.7			
6	11	1938	0853	37.2N	142.2E	60	7.6			
10	11	1938	2018	55.5N	158.0W	S	8.7			
2	1	1939	0435	36.3N	30.7E		5.3		SEVERE	4
25	1	1939	0332	36.2S	72.2W	60	8.3	28,000	100	3,51,57 CHILE: CHILLAN
30	1	1939	0218	6.5S	155.5E	S	7.8			
30	4	1939	0255	10.5S	158.5E	S	8.1			
1	5	1939	0558	40.0N	139.8E		7.0	27	MODERATE	152
22	6	1939	1919	6.0N	1.0W		6.5	16	UNKNOWN	2
22	6	1939	1919	5.2N	0.1W	13	IX		SEVERE	77
24	6	1939	0422	12.5S	72.0W			37	LIMITED	7,105,111 PERU: POMANCHI
15	9	1939	2316	40.2N	29.5E		5.7		UNKNOWN	4
19	9	1939		24.4N	102.6E		5.5	1	LIMITED	48
21	9	1939	0037	39.1N	26.8E		6.5	41	MODERATE	71
21	11	1939	0843	39.7N	40.4E		VII	13	MODERATE	71
21	11	1939	1102	36.3N	70.6E	220	6.9		MODERATE	101
21	12	1939	2100	0.0N	123.0E	150	8.6			
26	12	1939	2357	39.5N	38.5E	S	7.9	30,000	EXTREME	2,3 TURKEY: ERZINCAN

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
26	12	1939	2357	39.7N	39.5E		8.0		SEVERE	71
26	12	1939	2357	39.8N	39.5E		8.0	32,700	UNKNOWN	138 TURKEY: ERZINCAN
<b>1940</b>										
20	2	1940		38.4N	35.5E#		IX	37	MODERATE	141 KAYSERI, DEVELI
20	2	1940		38.4N	35.5E		VI	37	LIMITED	71
6	4	1940	1343	23.8N	102.4E		6.0	100	SEVERE	48
7	5	1940	2223	41.7N	43.8E		6.0	14	MODERATE	44
18	5	1940	0437	32.8N	115.6W		7.1	9	UNKNOWN	2
19	5	1940	0436	32.7N	115.5W	16	6.7	8	6	38
19	5	1940	0437	32.7N	115.5W		7.1	9	6	128 CALIF.: S.E. OF EL CENTRO
24	5	1940		12.5S	77.0W			250	SEVERE	102 PERU: LIMA, CALLAO
24	5	1940	1633	10.5S	77.0W		8.4			
24	5	1940	1635	10.5S	77.0W		VII	179	1.1	111 PERU; N. ECUADOR; S. CHILE
19	6	1940		24.3N	102.5E		5.5	2	LIMITED	48
14	7	1940	0552	51.7N	177.5E	80	7.8			
1	8	1940	1508	44.5N	139.0E		7.7			
1	8	1940	1508	44.1N	139.5E	10	7.0	7	LIMITED	56 (TSUNAMI)
5	8	1940	0955	40.0N	122.0E		5.8	0	MODERATE	48
10	11	1940	0139	45.8N	26.8E	150	7.3	1,000	10	2,4,44
20	12	1940	0727	43.7N	71.5W		5.6		LIMITED	2
9	1	1941	1813	38.0N	27.5E		5.2		LIMITED	4
16	2	1941	0000	33.8N	59.0E			640	SEVERE	2,76
16	2	1941	1638	33.5N	58.6E		6.3	730	UNKNOWN	138 IRAN: MOHAMMAHBD
16	3	1941	1635	38.3N	12.1E		6.9		UNKNOWN	75
16	3	1941	1848	38.3N	12.1E		6.2		UNKNOWN	75
15	4	1941	1909	18.0N	103.0W		7.7			7
20	4	1941	1738	39.2N	70.5E	8	6.4		MODERATE	44
5	5	1941	1518	46.7N	127.1E		6.0	132	SEVERE	48
22	6	1941	1815	32.5N	34.0W		4.4		UNKNOWN	4
26	6	1941		12.5N	92.5E		8.1	FEW	SEVERE	93,100 INDIA: ANDAMAN, COLOMBO, MADRAS, CALCUTTA, BOMBAY
26	6	1941	1152	12.5N	92.5E	55	8.7			1
1	7	1941	0751	34.4N	119.6W	16	5.9	0	0.100	128 CALIF.
20	8	1941	1036	41.4N	15.2E		5.1		UNKNOWN	75
10	9	1941	2153	39.5N	43.0E		6.0	500	UNKNOWN	2
10	9	1941	2153	39.5N	43.3E		6.0	430	UNKNOWN	138 TURKEY: VAN
8	10	1941	1524	32.1N	103.3E		6.0	15	LIMITED	48
14	11	1941	0842	33.8N	118.2W	16	5.4	0	1	38,128 CALIF.
18	11	1941	1646	32.0N	132.0E	S	7.9			
25	11	1941	1803	37.5N	18.5W	S	8.4			
5	12	1941	2046	8.5N	83.0W		7.5			

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
16	12	1941	1919	23.4N	120.4E		7.1	319	MODERATE	48	
26	12	1941	1448	22.2N	100.1E		7.0	15	LIMITED	48	
3	1	1942	1830	22.8N	101.0E		6.8	30	LIMITED	48	
6	4	1942		42.0N	24.0E&			0	LIMITED	41	BULGARIA
8	4	1942	1540	13.5N	121.0E	S	7.8				
21	4	1942		23.5N	99.4E		5.0	FEW	LIMITED	48	
14	5	1942	0213	0.7S	81.5W	S	8.3			7	
14	5	1942	0213	0.4S	80.0W	50	IX	MANY	SEVERE	106	
14	5	1942	0213	0.3S	80.0W			200	2.5	41	EQUADOR
22	5	1942	1031	4.6N	74.5W				MODERATE	41	COLUMBIA
28	5	1942	0101	0.0N	124.0E	120	7.5				
5	6	1942		34.6S	67.9W				SEVERE	41	ARGENTINA: CANADA, SECA, MALVINAS, VILLA, TERNEL, SA
24	6	1942	1116	41.0S	175.5E		7.1		UNKNOWN	6	
6	8	1942	2336	14.0N	91.0W		8.3			7	
6	8	1942	2337	14.1N	90.9W			9	UNKNOWN	41	GUATEMALA
24	8	1942	2250	15.0S	76.0W		8.0	30	SEVERE	111	
24	8	1942	2250	15.0S	76.0W		8.6				
24	8	1942	2251	14.7S	75.0W			22	UNKNOWN	41	PERU
27	8	1942	614	42.0N	21.0E		5.6	43	SEVERE	1,109	PESHKOPIA
8	11	1942		16.0S	76.0W		8.0		UNKNOWN	87	
10	11	1942	1141	49.5S	32.0E	S	8.3				
15	11	1942	1701	39.2N	28.2E		VIII	6	LIMITED	71	
15	11	1942	1701	39.2N	28.2E#		VIII	6	MODERATE	141	BALIKESIR, BIGADIG
21	11	1942	1401	40.3N	34.6E#			17	MODERATE	141	KASTOMONU, KARGI
21	11	1942	1401	40.3N	34.6E		VIII		SEVERE	71	
26	11	1942	2220	40.5N	34.0E#		7.6	4,000	EXTREME	141	HAVZA, LADIK
2	12	1942		40.6N	35.0E#			4	UNKNOWN	41	TURKEY: CIRCUM
2	12	1942	1904	40.6N	35.0E		VIII		SEVERE	71	
11	12	1942	0239	40.8N	35.1E		VIII		SEVERE	71	
20	12	1942	1403	40.9N	36.5E		7.3	1,100	UNKNOWN	138	TURKEY: ERBAA
20	12	1942	1403	40.7N	36.8E		7.3		SEVERE	71	
20	12	1942	1403	40.7N	36.8E#		7.3	3,000	EXTREME	141	NIKSAR, ERBAA
20	12	1942	1403	40.0N	37.0E			1,000	EXTREME	41	TURKEY
20	1	1943	1532	40.8N	30.5E		6.6	285	UNKNOWN	138	TURKEY: HENDAK
29	1	1943		44.3N	17.0E			19	LIMITED	41	YUGOSLAVIA: BOSNIA
30	1	1943	0501	14.4S	72.9W			200	UNKNOWN	41	PERU: YANACOA
30	1	1943	0533	14.4S	72.9W	100	6.9	75	SEVERE	1,105, 111	PERU: YANAOCA, PAMPAMARCA
22	2	1943	0920	16.7N	101.5W		7.5	11	UNKNOWN	2, 7	
22	2	1943	0921	17.9N	101.5W			5	UNKNOWN	41	MEXICO
31	3	1943		25.8N	100.1E		5.5	SOME	LIMITED	48	
6	4	1943	1607	30.7S	72.0W		8.3	11	LIMITED	2, 157	CHILE: ILLAPEL
6	4	1943	1607	31.5S	71.4W			18	UNKNOWN	41	CHILE
25	5	1943	2307	7.5N	128.0E		7.9				

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
9	6	1943	0306	1.0S	101.0E	50	7.6				
20	6	1943	1532	40.8N	30.6E		6.25			71	
20	6	1943	1533	40.6N	30.5E			285	MODERATE SEVERE	41	TURKEY
23	7	1943	1453	9.5S	110.0E	90	8.1				
29	7	1943	0302	19.2N	67.5W		S 7.9			7	
6	9	1943	0341	53.0S	159.0E		S 7.9				
10	9	1943		35.5N	134.2E			1,190	EXTREME	136	JAPAN: TOTTORI
10	9	1943	0836	35.3N	134.0E		7.2	1,190	EXTREME	3,6	
10	9	1943	0837	35.3N	133.9E			1,400	EXTREME	41	JAPAN
10	9	1943	0837	35.5N	134.2E	10	7.4	1,005	EXTREME	152	
14	9	1943	0201	22.0S	171.0E	50	7.5				
14	9	1943	0718	30.0S	177.0W	60	7.6				
17	9	1943	0339	39.3N	15.1E		5.5		UNKNOWN	75	
16	10	1943	1210	45.1N	8.1E		4.2		UNKNOWN	75	
16	10	1943	1918	45.1N	8.1E		4.5		UNKNOWN	75	
23	10	1943		21.5N	93.5E		7.2		MODERATE	100	
6	11	1943	0831	6.0S	134.5E		7.6				
26	11	1943	2220	41.0N	33.7E		7.6	4,020	UNKNOWN	138	TURKEY: LADIK
26	11	1943	2220	41.0N	34.0E		7.6				
26	11	1943	2220	40.5N	34.0E		7.6	4,000	SEVERE	71	
26	11	1943	2221	41.0N	33.5E			2,900	SEVERE	41	TURKEY
28	11	1943	1711	54.9N	156.8E		7.6		INSIGNIFICANT	44	
5	12	1943		40.0N	40.0E			550	SEVERE	41	TURKEY: N.E. ANATOLIA
15	1	1944	2349	31.5S	68.5W			8,000	100	41	ARGENTINA
15	1	1944	2349	31.6S	68.5W	50	7.8	5,000	SEVERE	2,6	
1	2	1944	0322	41.4N	32.7E		7.4	2,790	UNKNOWN	138	TURKEY: GEREDA
1	2	1944	0323	41.5N	32.4E		7.4	4,000	SEVERE	71	
1	2	1944	0323	41.5N	32.5E		7.6	5,000	UNKNOWN	2,6	
1	2	1944	0323	41.0N	33.0E			2,381	SEVERE	41	TURKEY
22	3	1944	0043	8.5S	123.5E	220	7.5				
5	4	1944		36.8N	54.5E			20		76	IRAN: GORGAN
25	5	1944	1258	2.5S	152.7E		7.5				
5	9	1944	0039	45.0N	74.8W				2	41	ST. LAWRENCE VALLEY
5	9	1944	0438	44.7N	74.7W		5.6	0	1.5	38	
5	9	1944	0439	44.9N	74.8W		VIII	0	2	128	NEW YORK: MASSENA
15	9	1944	1420	0.5S	79.0W			0	SEVERE	47,104	ECUADOR
5	10	1944	1728	22.5S	172.0E	120	7.5				
6	10	1944	0235	39.0N	27.0E			50	UNKNOWN	41	TURKEY
6	10	1944	2134	39.4N	26.7E			X 30	MODERATE	71	
6	10	1944	2134	39.4N	26.7E		7.2	30	SEVERE	141	
24	11	1944	0449	19.0S	169.0E	170	7.5				
7	12	1944		33.7N	136.2E			999	EXTREME	136	JAPAN: TONANKAI (TSUNAMI)
7	12	1944	0436	33.7N	136.0E	S	8.3	1,000	UNKNOWN	2,3	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
7	12	1944	0436	33.7N	136.2E	15		998	SEVERE	56	(TSUNAMI)
7	12	1944	0436	33.0N	137.0E				MODERATE	41	JAPAN
7	12	1944	0445	33.7N	136.2E	15	8.0	998	EXTREME	152	
12	1	1945	1838	34.7N	137.0E		7.1	1,180	SEVERE	152	
12	1	1945	1838	34.7N	137.1E		7.1	1,900	SEVERE	2,6	
13	1	1945		34.7N	137.2E			1,961	SEVERE	136	JAPAN: MIKAWA
20	3	1945	0759	37.4N	35.8E		VII	300	UNKNOWN	41,71	TURKEY: AELANA
21	6	1945	0133	38.5N	43.3E		VII		MODERATE	71	
29	6	1945	0732	44.5N	9.1E		4.1		UNKNOWN	75	
29	7	1945	0856	38.5N	43.3E		VII		MODERATE	71	
29	7	1945	0856	38.5N	43.3E#		VII	300	SEVERE	141	VAN BOLGESI
13	9	1945	1117	34.2S	70.8W	100	7.1	4	UNKNOWN	18	
23	9	1945	1534	39.7N	118.7E		6.3	17	LIMITED	48	
27	11	1945	2157	25.0N	60.5E		8.2	4,000	UNKNOWN	41	IRAN (TSUNAMI)
21	12	1945		38.0N	28.9E#		VIII	7	MODERATE	141	DENIZLI,BURDUR
21	12	1945		38.0N	28.9E		IX		SEVERE	71	
28	12	1945	1748	6.0S	150.0E		7.8				
12	2	1946	0243	36.0N	5.0E		6.0	264	SEVERE	2,21	
15	2	1946	0318	47.3N	122.9W		5.8	0	0.25	128	PUGET SOUND
18	2	1946	2300	44.4N	9.4E		4.1		UNKNOWN	75	
1	4	1946	1228	52.7N	163.5W	50	7.4	178	25	1,21	
1	4	1946	1229	53.7N	163.0W		7.4	27	26	56	(TSUNAMI)
1	4	1946	1229	52.8N	162.5W		7.4	173	25	128	ALASKA (TSUNAMI)
3	4	1946	1701	39.5N	16.0E		4.2		UNKNOWN	75	
21	5	1946	0916	14.5N	60.5W	50	7.0		LIMITED	21	
31	5	1946	0312	39.3N	41.2E		5.9	840	UNKNOWN	138	TURKEY: USTUKRAN
31	5	1946	0312	40.0N	41.5E		6.0	1,300	SEVERE	21,145	
27	7	1946	1625	35.6N	45.8E		5.4		LIMITED	4	
2	8	1946	1918	26.5S	70.5W	50	7.9	2	SEVERE	21	
4	8	1946	1751	19.2N	69.0W		8.1	100	SEVERE DAMAGE	21	
8	8	1946	1328	19.5N	69.5W		S 7.9			7	
12	9	1946	1517	23.5N	96.0E		7.5				
12	9	1946	1520	23.5N	96.0E		7.8				
29	9	1946	0301	4.5S	153.5E		7.8				
2	11	1946	1828	41.5N	72.5E		7.6		MODERATE	21	
4	11	1946	2147	39.3N	55.4E	26	7.0	400	SEVERE	2,44	
10	11	1946	1742	8.5S	77.5W#	0	7.3	1,400	SEVERE	3	
10	11	1946	1742	8.5S	77.5W		7.3	800	SEVERE	21	
4	12	1946	2246	23.1N	120.3E			53	MODERATE	21	
4	12	1946	2247	23.1N	120.3E		6.5	8	MODERATE	48	
20	12	1946	1919	32.5N	134.5E		S 8.4	1,330	SEVERE	3,21	JAPAN: HONSHU
20	12	1946	1919	33.0N	135.6E	30	8.1	1,500	SEVERE	56	(TSUNAMI)
20	12	1946	1919	33.0N	135.6E	30	8.1	1,362	EXTREME	152	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
21	12	1946		33.0N	135.6E			1,405	EXTREME	136	JAPAN: NANKAIDO (TSUNAMI)
23	1	1947	0952	28.5N	16.4W		4.4		UNKNOWN	4	
28	1	1947		26.5S	63.0W		7.5		UNKNOWN	87	
26	2	1947	0542	41.0N	17.3E		5.0		UNKNOWN	75	
17	3	1947	0819	33.0N	99.5E		7.7				
26	3	1947	2048	25.8N	101.2E		5.5	1	LIMITED	48	
10	4	1947	1558	35.0N	116.6W		6.4	0	MODERATE	128	CALIF.
14	4	1947	1453	42.3N	15.0E		4.2		UNKNOWN	75	
6	5	1947	2030	6.5S	148.5E		7.6				
11	5	1947	0632	38.5N	17.5E				MODERATE	18	
7	6	1947	0505	26.3N	102.8E		5.5	3	LIMITED	48	
4	7	1947	2008	40.5N	15.5E		4.5		UNKNOWN	75	
14	7	1947	0701	1.2N	77.2W	10	IX	2	MODERATE	118	COLOMBIA: PASTO
29	7	1947	1343	28.5N	94.0E		7.9				
31	7	1947	0755	39.1N	15.1E		5.6		UNKNOWN	75	
6	8	1947	0936	37.0N	8.0E			3	MODERATE	18	
1	9	1947	2219	39.1N	15.1E		5.2		UNKNOWN	75	
23	9	1947	1228	33.4N	58.7E		6.9	500	UNKNOWN	138	IRAN: DUSTABAD
23	9	1947	1228	33.0N	59.0E		6.8	412	MODERATE	18,76	
6	10	1947	1955	36.9N	22.0E		7.8			4	
16	10	1947	0209	64.5N	147.5W	50	7.0	0	LIMITED	18	
1	11	1947	1458	10.5S	75.0W		7.3	233	SEVERE	18	
23	11	1947	0537	45.3N	43.2E	3	3.5	0	INSIGNIFICANT	44	
24	1	1948	1746	10.5N	122.0E	S	8.3	72	3.5	12	
9	2	1948	1258	35.5N	27.0E	40	7.1		LIMITED	12	
1	3	1948	0112	3.0S	127.5E	50	7.9				
11	5	1948	0855	17.5S	70.2W	70	7.3	4	LIMITED	12	
11	5	1948	0856	17.4S	71.0W		7.1	1	0.600	111	AREQUIPA,MOQUEGUA,TACNA
14	5	1948	2231	54.5N	161.0W	S	7.5				
25	5	1948	0711	29.7N	100.3E		7.3	800	MODERATE	48	
25	5	1948	0711	29.5N	100.5E		7.3	1,000	SEVERE	12	
28	5	1948	0537	13.1S	76.2W	55	6.8	4	0.20	111	
18	6	1948	0727	28.7N	101.4E		5.8	0	LIMITED	48	
27	6	1948	0008	26.6N	99.6E		6.3	110	LIMITED	48	
28	6	1948	0713	36.5N	136.0E#			3,895	UNKNOWN	51	JAPAN: FUKUI
28	6	1948	0713	36.5N	136.0E		7.3	5,390	EXTREME	3,12	
28	6	1948	0713	36.1N	136.2E	20	7.3	3,769	EXTREME	152	
30	6	1948	1221	38.5N	20.5E		6.4	6	MODERATE	12	
20	7	1948	1102	17.0S	75.0W		7.1		LIMITED	12	
8	9	1948	1509	21.0S	174.0W	25	7.9				
5	10	1948	2012	39.5N	58.0E#			19,800	UNKNOWN	51	USSR: ASHKHABAD
5	10	1948	2012	38.0N	58.3E	8	7.3	10,000	EXTREME	44	
5	10	1948	2012	37.9N	58.6E		7.2	19,800	UNKNOWN	138	IRAN: ASHKHABAD



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
8	10	1948		32.1N	118.8E			3	UNKNOWN	2
8	10	1948	1901	27.2N	104.0E		5.8	3	LIMITED	48
4	12	1948	0022	22.0N	106.5W		6.9	4	SEVERE	7,12
23	2	1949	1608	41.9N	83.2E		7.3	9	LIMITED	48
13	4	1949	1955	47.2N	122.5W		7.0	8	25	17
13	4	1949	1956	47.1N	122.7W		7.0	8	25	128 WASHINGTON: OLYMPIA
20	4	1949	0329	38.0S	73.5W	70	7.3	57	MODERATE	17
25	4	1949	1354	19.7S	69.0W	110	7.3		UNKNOWN	17
17	5	1949	1356	41.3N	16.1E		4.2		UNKNOWN	75
23	7	1949	1503	38.7N	26.2E		6.8	2	MODERATE	153
23	7	1949	1503	38.5N	26.5E#			7	SEVERE	141 KARABURUN
23	7	1949	1503	38.5N	26.5E		6.8	1	SEVERE	17,71
5	8	1949	1908	1.5S	78.2W	60	6.8	6,000	7.5	3,17
5	8	1949	1908	1.1S	78.1W			5,050	20	47,51,153 ECUADOR
6	8	1949	0035	18.5S	174.5W	70	7.5			
10	8	1949	0313	1.0S	78.0W				LIMITED	47
17	8	1949	1843	39.0N	40.5E		6.8	320	SEVERE	17
17	8	1949	1844	39.4N	40.9E		6.5	320	MODERATE	153
22	8	1949	0401	53.7N	133.2W	25	8.1			
18	11	1949	119	33.7N	118.3W		3.7L	0	9	17
18	11	1949	0120	33.8N	118.3W		V	0	9	128 CALIF.: TERMINAL I.
17	12	1949	0653	54.0S	71.0W		7.8	1	LIMITED	17,157
17	12	1949	1507	54.0S	71.0W		7.8	3	LIMITED	157
25	12	1949	2324	36.5N	140.0E		6.3	8	UNKNOWN	17
29	12	1949	0303	18.0N	121.0E		7.2	1	MODERATE	17 TSUNAMI)
<b>1950</b>										
19	1	1950	1727	27.3N	53.2E			20	SEVERE	18,153
22	1	1950	0407	27.3N	53.2E			30		7,76 IRAN: DEHNO,ASSALU
4	2	1950	0931	40.0N	40.0E			20	LIMITED	18
28	2	1950	1020	46.0N	144.0E	340	7.9			
21	5	1950		13.0S	72.0W				MODERATE	102 PERU: CUZCO
21	5	1950	1837	13.5S	72.0W		6.0	83	UNKNOWN	18
21	5	1950	1837	14.0S	72.0W		6.0	94	SEVERE	153
21	5	1950	1838	14.0S	72.0W	9	6.0	120	MODERATE	111
19	6	1950	1236	6.2S	112.0E		6.8	16	LIMITED	18
8	7	1950	0235	7.6N	72.8W		VIII	126	SEVERE	118 COLOMBIA: ANBOLEDAS
9	7	1950	0235	7.8N	72.5W	41		20		64
9	7	1950	0235	7.8N	72.5W	41		211	5	18
19	7	1950	1900	38.2N	15.2E		4.4		UNKNOWN	75
3	8	1950	2218	9.8N	69.7W	8	6.8	100	UNKNOWN	18

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
15	8	1950		28.6N	96.5E		8.6			95
15	8	1950		28.5N	96.7E		8.6	156	SEVERE	100
15	8	1950	1409	28.6N	96.5E		8.6	1,526	EXTREME	18,153
15	8	1950	1409	28.5N	96.5E	S	8.7	574	\$20 MILLION	3
5	10	1950	1609	11.0N	85.0W		7.7			INDIA: ASSAM
8	10	1950	0323	3.7S	128.2E		7.6			
2	11	1950	1527	6.5S	129.5E	50	8.1			
2	12	1950	1951	18.2S	167.5E		8.1			
9	12	1950	2138	23.5S	67.5W	100	8.1	4	LIMITED	153
9	12	1950	2138	23.5S	67.5W	100	8.3	1	UNKNOWN	18
10	12	1950	0250	14.5S	76.5W	10	7.0	4	LIMITED	111
10	12	1950	0250	14.2S	75.7W	80	7.0	1	UNKNOWN	18
14	12	1950	0152	19.2S	175.7W	200	7.9			
8	4	1951	2138	36.6N	36.1E		6.0	6	LIMITED	20
6	5	1951	2308	13.0N	87.8W#	100		1,100	23	51
										EL SALVADOR: JUCUAPA
6	5	1951	2308	13.0N	87.8W	100	6.5	400	SEVERE	2,20
25	5	1951	2042	42.5N	14.1E		4.8		UNKNOWN	75
29	6	1951	1849	42.3N	13.3E		4.1		UNKNOWN	75
3	8	1951	0023	13.0N	87.8W	100	6.0		MODERATE	20
13	8	1951	1833	40.9N	32.9E		6.5	50	UNKNOWN	138
										TURKEY: KURSUALU
13	8	1951	1833	40.8N	33.4E		6.7	50	SEVERE	2,20,71
15	8	1951	0723	33.5N	118.2W		6.9	0	3	128
21	8	1951	1057	19.7N	156.0W	60	6.9	0	MODERATE	20,128
22	10	1951	0329	23.7N	121.2E		7.1	123	MODERATE	20
29	10	1951	2249	44.2N	10.5E		4.2		UNKNOWN	75
										CALIF.: TERMINAL I.
18	11	1951		30.5N	91.0E		8.0			100
18	11	1951	0935	30.5N	91.0E	S	7.9			
24	11	1951	1850	23.0N	122.5E		7.3	17	MODERATE	20
8	12	1951	0414	34.0S	57.0E	S	7.9			
3	1	1952	0603	39.5N	41.5E		5.6	94	MODERATE	2,19
3	1	1952	0603	40.0N	41.6E		5.6		LIMITED	71
3	1	1952	0603	39.9N	41.7E		6.0	103	UNKNOWN	138
14	2	1952	2103	7.4N	76.4W	18	6.7		MODERATE	7,110
26	2	1952	1131	14.1S	69.9W		7.5			111
4	3	1952		42.5N	143.0E	S	8.6	600	UNKNOWN	2
										TURKEY: PANISLER ANTIOQUIA,CHOCO
4	3	1952		42.2N	143.9E		8.1	33	SEVERE	65
4	3	1952	0603	42.5N	143.0E	S	8.3	31	SEVERE	19
9	3	1952	1703	41.7N	142.5E		7.1	0	MODERATE	19
19	3	1952	1057	9.5N	127.2E	S	7.9			
3	6	1952		39.8N	39.5E		VII	94	SEVERE	141
										HASANKALE,ERZINCAN
11	6	1952	0031	31.5S	67.5W		7.0	5	UNKNOWN	19
17	7	1952	1609	34.4N	135.8E	70	6.8	9	MODERATE	19
21	7	1952	1152	35.0N	119.0W		7.7	12	50	128
										CALIF.: KERN COUNTY

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
21	7	1952	1152	35.0N	119.0W	16	7.7	13	60	19
17	8	1952	1602	30.5N	91.5E		7.5	55	MODERATE	19
22	8	1952	2241	35.3N	118.9W	16	5.8	2	10	38,128 CALIF.: KERN COUNTY
10	9	1952	0417	39.0N	15.0E		5.3		UNKNOWN	75
22	10	1952	1700	36.5N	35.3E#		VII	10	SEVERE	141 CEYHAN,MISIS
22	10	1952	1700	36.5N	35.5E		5.0	20	SEVERE	19,71
28	10	1952	0429	18.5N	73.5W	24	5.9	6	0.050	19
4	11	1952	1658	52.7N	159.5E	45	8.2	MANY	MODERATE	56 (TSUNAMI)
4	11	1952	1658	52.7N	159.5E	S	8.4		UNKNOWN	19
30	12	1952	1207	10.3N	83.5W			29	UNKNOWN	19
15	1	1953	2156	28.5N	52.3E			11		7,76 IRAN: GODER
25	1	1953	1947	18.4N	73.4W		5.7	2	MODERATE	40
12	2	1953	0815	35.0N	54.5E		6.5	973	SEVERE	16,76
12	2	1953	0815	35.4N	55.1E		6.4	970	UNKNOWN	138 IRAN: TORND
18	3	1953		40.0N	27.5E		7.4	49	MODERATE	120
18	3	1953	1906	40.0N	27.4E		7.5	1,070	UNKNOWN	138 TURKEY: ONON
18	3	1953	1906	40.0N	27.5E		7.3	1,103	3.57	16,40
23	4	1953	1624	4.0S	154.0E		7.5			
2	5	1953	1837	38.6N	26.5E		5.75		UNKNOWN	71
6	5	1953	1716	36.5S	72.6W	60	7.6	19	32	16,40
18	6	1953	0544	41.4N	26.3E		5.75		LIMITED	71
18	6	1953	0544	41.4N	26.3E#			37	MODERATE	141 EDIRNE
2	7	1953	0656	19.0S	169.0E	223	7.5			
9	8	1953	0741	38.3N	20.8E		6.8		UNKNOWN	40
12	8	1953	0923	38.3N	20.8E		7.3	800	100	16
12	8	1953	0923	38.3N	20.8E		6.5	445	EXTREME	40
5	9	1953	1418	38.0N	23.0E		5.8		LIMITED	40
10	9	1953	0405	35.0N	32.5E		6.5	40	MODERATE	40,138 CYPRUS: PAPHOS
14	9	1953	0026	18.3S	178.1E	21	6.8	8	LIMITED	16,56 (TSUNAMI)
14	9	1953	0026	18.3S	178.2E	60	6.4	3	UNKNOWN	40 (TSUNAMI)
25	11	1953	1748	33.9N	141.5E	33	8.3	1	LIMITED	16 (TSUNAMI)
7	12	1953	0205	22.1S	68.7W	128	7.4		SEVERE	16
12	12	1953	1731	3.4S	80.6W		7.8	7	MODERATE	16
5	2	1954	1517	17.3N	92.6W	100	6.2	6	17	40
8	2	1954		29.0S	70.5W		7.7		UNKNOWN	87
21	2	1954	2000	41.2N	75.9W		VII	0	1	128 PENNSYLVANIA: WILKES BARRE
29	3	1954	0617	37.0N	3.5W	640	7.0		SEVERE	13
20	4	1954		39.8N	22.1E		7.0	25	UNKNOWN	2
30	4	1954	1302	39.3N	22.2E		7.0	31	3.15	40
2	7	1954	0245	13.0N	123.9E		6.8	22	MODERATE	40
6	7	1954	1113	39.4N	118.5W		6.8	0	MODERATE	16,38,128 NEVADA: FALLON
6	7	1954	2207	39.3N	118.5W		6.4	0	LIMITED	128 NEVADA: FALLON
24	8	1954	551	39.5N	118.8W		6.8	0	0.091	38,128 NEVADA: FALLON

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
9	9	1954	0104	36.2N	1.6E		6.8	1,243	EXTREME	3,40 N. ALGERIA
23	11	1954	1300	38.3N	15.0E	240	5.8		UNKNOWN	75
4	12	1954	1831	10.9N	61.4W	53	6.5	1	0.5	2
16	12	1954	1107	39.3N	118.2W		7.2	0	LIMITED	13
16	12	1954	1107	39.3N	118.2W		7.1	0	LIMITED	128 NEVADA
16	12	1954	1107	39.3N	118.2W		7.1	0	LIMITED	128 NEVADA: DIXIE VALLEY
21	12	1954	1956	40.8N	124.1W		6.6	1	2.1	40,128 CALIF.: EUREKA,ARCATA
25	1	1955	1223	33.8N	118.2W		IV	0	3	128 CALIF.: TERMINAL I.
17	2	1955	1931	39.4N	13.1E	450	5.6		UNKNOWN	75
21	2	1955	1946	39.0N	23.0E			2	LIMITED	14
27	2	1955	2043	28.0S	175.5W		7.8			40
31	3	1955	1817	8.1N	123.2E	96	7.3	432	5	3,14
31	3	1955	1817	8.1N	123.2E	55	7.6	465	EXTREME	40
31	3	1955	1818	8.1N	123.2E	96	VIII	400	MODERATE	82 LANAQ: PHILIPPINES
1	4	1955		8.0N	124.0E		VIII		MODERATE	58 PHILIPPINES: MINDANAO,LANAQ
13	4	1955	2045	37.5N	22.0E				MODERATE	40
14	4	1955	0129	30.0N	101.7E		7.4	39	MODERATE	14,40
19	4	1955	1647	39.5N	23.0E		6.3	8	SEVERE	14,40
19	4	1955	2024	30.0S	72.0W		7.0	1	SEVERE	14 CHILE (TSUNAMI)
21	4	1955	0718	39.5N	23.0E			7	SEVERE	14
16	7	1955	0707	37.5N	27.0E		6.8	4	SEVERE	14
16	7	1955	0707	37.6N	27.2E		6.8	3	MODERATE	40,71
20	7	1955	2100	0.2N	78.4W		6.0		SEVERE	40
27	7	1955	0120	33.7N	134.3E		6.0	1	LIMITED	14
1	9	1955	1733	10.0N	84.5W		5.8	10	MODERATE	14
12	9	1955	0609	32.5N	29.6E		6.5	20	SEVERE	14
12	9	1955	0609	32.2N	29.6E		6.7	22	UNKNOWN	40
12	9	1955	0609	32.2N	29.6E		6.3	18	UNKNOWN	138 EGYPT: NILE DELTA
19	10	1955	0145	40.4N	140.3E	N		1	LIMITED	40
24	10	1955	0411	38.0N	122.1W		5.4	1	1	40,128 CALIF.
8	1	1956	0711	16.9N	99.6W		6.5	0	SEVERE	8
12	1	1956	0546	47.5N	19.3E		5.8	2	SEVERE	8
16	1	1956	2337	0.5S	80.5W		7.3		MODERATE	40
20	2	1956	2031	40.0N	30.5E		5.8	4	MODERATE	8,40,71
5	3	1956	2340	44.3N	144.1E		6.6		LIMITED	40 JAPAN: HOKKAIDO
16	3	1956	1932	35.5N	35.5E		5.8	148	UNKNOWN	138 LEBANON: LITANI
16	3	1956	1932	33.6N	35.6E	16	6.0	136	SEVERE	40
19	4	1956	1838	37.0N	4.0W			7	SEVERE	14
23	5	1956	2048	15.4S	178.7W	396	7.5		UNKNOWN	40
9	7	1956	0311	36.7N	25.8E		7.8	53	SEVERE	3,40 (TSUNAMI)
16	7	1956	1507	22.2N	95.7E	39	7.0	38	MODERATE	40
29	9	1956	2120	37.9N	140.9E		6.2	1	LIMITED	8
29	9	1956	2320	35.5N	140.2E	70	6.9	4	LIMITED	8

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
11	10	1956	1224	46.0N	150.5E	110	7.6			
24	10	1956	1442	12.0N	86.5W		7.3		LIMITED	8
31	10	1956	1403	27.2N	54.4E		6.8	347	UNKNOWN	138 IRAN: BASTAQ
31	10	1956	1403	27.0N	54.5E		6.8	410	EXTREME	40,76
2	11	1956	1604	39.0N	23.0E		5.8		LIMITED	40
29	1	1957	1521	42.5N	42.4E	9	5.3		LIMITED	44
20	2	1957	0441	36.2N	8.9E		5.6	13	MODERATE	40
23	2	1957	2026	23.0N	122.0E	69	7.1	11	MODERATE	26,40
2	3	1957	0027	18.3N	78.1W		6.5	3	UNKNOWN	40
8	3	1957	1221	39.3N	22.6E		6.9	2	EXTREME	40
9	3	1957	1422	51.3N	175.8W		8.3	0	3	40,128 ALASKA (TSUNAMI)
14	3	1957	1448	51.5N	177.0W		7.5		UNKNOWN	90
22	3	1957	1421	55.0N	165.2W		7.5		UNKNOWN	90
22	3	1957	1944	37.7N	122.5W		5.3	0	1	40,128 CALIF.
14	4	1957	1917	15.5S	173.0W		7.5			
16	4	1957	0404	4.6S	107.1E	546	7.5			
23	4	1957		33.4N	52.5E			16	UNKNOWN	76 IRAN: KACHU MESQAL
24	4	1957	1910	36.0N	28.5E		6.9		MODERATE	40
25	4	1957	0225	36.5N	28.6E	53	7.1	18	MODERATE	2,40
25	4	1957	0225	36.4N	28.7E		7.1	18	UNKNOWN	138 TURKEY: FETHIYE
25	4	1957	0225	36.6N	29.2E	50	7.1		SEVERE	71
21	5	1957	1144	38.3N	14.0E		5.3		INSIGNIFICANT	75
26	5	1957	0633	40.7N	30.9E		7.2	52	SEVERE	40
26	5	1957	0633	40.4N	31.1E	15	7.0		UNKNOWN	71
26	5	1957	0633	40.6N	31.2E		7.1	500	UNKNOWN	138 TURKEY: ABANT
22	6	1957	2350	1.5S	137.0E		7.5		SEVERE	26
27	6	1957		56.3N	116.5E#			1,200	UNKNOWN	133 OUTER MONGOLIA
27	6	1957	0009	56.3N	116.5E		7.9		INSIGNIFICANT	7,44
2	7	1957	0042	36.1N	52.7E		7.1	1,100	UNKNOWN	138 IRAN: HAZANDERAN
2	7	1957	0042	36.2N	52.7E		7.4	1,200	SEVERE	2,40,76
28	7	1957	0840	16.4N	99.2W#			160	25	51 MEXICO: ACAPULCO,MEXICO CITY
28	7	1957	0840	16.4N	99.2W		7.9	68	16	26,40
24	9	1957	0821	5.5N	127.5E		7.6			
28	9	1957	1420	20.4S	178.5W	549	7.5			
26	11	1957	0815	39.3N	22.7E				MODERATE	40
29	11	1957	2219	21.0S	66.0W	200	7.8		LIMITED	26
4	12	1957	0337	45.2N	99.4E		8.3	30	MODERATE	3,40
13	12	1957	0145	34.4N	47.6E	42	7.3	1,130	SEVERE	40,76
13	12	1957	0145	34.3N	47.8E		7.1	1,200	UNKNOWN	138 IRAN: FARSINAJ
13	12	1957	0145	34.5N	48.0E		7.2	2,000	SEVERE	26
17	12	1957	1350	12.3S	166.7E	120	7.8			
15	1	1958	1914	16.5S	72.0W	60	7.3	28	MODERATE	27,40
16	1	1958	0204	36.5N	53.0E			MANY	MODERATE	27

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
19	1	1958	1407	1.3N	79.3W		7.8	20	MODERATE	27,47
1	2	1958	1409	2.0N	79.0W		X	22	SEVERE	118 ECUADOR: ESMERALDAS
11	3	1958	0026	24.6N	124.2E	77	7.5	SEVERAL	UNKNOWN	27
14	4	1958	2132	1.0N	79.5W		6.8	3	LIMITED	27
14	5	1958	0234	38.5N	28.8W				MODERATE	40
10	7	1958	0615	58.6N	137.1W		7.9	5	LIMITED	27 ALASKA: LITUYA BAY
10	7	1958	0616	58.6N	137.1W		7.9	3	LIMITED	128 ALASKA
26	7	1958	1738	13.5S	69.0W	620	7.5		LIMITED	111
16	8	1958	1913	34.3N	47.8E		6.8	137	MODERATE	40,76
16	8	1958	1913	34.4N	47.9E		6.7	132	UNKNOWN	138 IRAN: FIRUZABAD
16	8	1958	1914	34.5N	48.0E			200	SEVERE	27
1	9	1958	1430	18.0S	65.0W			4	EXTREME	40
4	9	1958	2151	33.5S	69.5W		6.8	7	SEVERE	40
21	9	1958	1618	36.0N	49.0E			20	SEVERE	27,40,76
20	10	1958	0112	9.0S	112.4E	70	6.5	7	EXTREME	27
6	11	1958	2258	44.3N	148.5E	32	8.7		LIMITED	44
1	3	1959	1649	0.9S	134.1E	100	7.0		LIMITED	24
8	3	1959	2302	11.5S	75.5W			5	LIMITED	24,40
25	4	1959	0026	37.0N	28.7E		6.3		MODERATE	71
26	4	1959	2040	24.8N	122.7E	113	7.5	2	LIMITED	24
26	4	1959	2040	24.9N	122.8E	113	7.7		INSIGNIFICANT	40
4	5	1959	0715	52.5N	159.5E	60	8.0	1	MODERATE	24
20	5	1959	1949	41.9N	41.9E	16	5.1		LIMITED	44
24	5	1959	1917	17.6N	97.1W	63	6.9	5	LIMITED	24
14	6	1959	0012	20.4S	69.0W	83	7.4	1	LIMITED	24
30	6	1959	2241	8.3N	71.0W	60	4.3	1	LIMITED	24
15	8	1959	0857	22.1N	120.9E		6.9	16	SEVERE	2,40
17	8	1959	2104	7.8S	156.3E		7.3		SEVERE	24
18	8	1959	0637	44.8N	111.1W		7.1	28	11	24,128 MONTANA: HEBGEN LAKE
26	8	1959	0825	18.2N	94.4W		6.8	25	SEVERE	38,40
1	9	1959	1137	40.9N	19.7E		5.9	2	SEVERE	24
1	9	1959	1137	40.9N	19.8E	N	6.1	2	SEVERE	40
14	9	1959	1409	18.6S	177.7W	73	7.8			
25	10	1959	1557	39.1N	41.6E		6.2	18	MODERATE	24,40
25	10	1959	1557	39.2N	41.6E		5.2	18	UNKNOWN	138 TURKEY: NINIA
19	11	1959	1108	5.9S	146.4E	115	7.0		LIMITED	24
24	12	1959	1250	13.5S	74.0W			7	MODERATE	11
<b>1960</b>										
13	1	1960	1540	15.8S	72.8W		7.5	9	SEVERE	111
13	1	1960	1540	16.0S	72.0W	200	7.5	57	SEVERE	25

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
15	1	1960	0930	15.0S	75.0W	150	7.0	63	LIMITED	25,40
15	1	1960	0930	15.0S	75.0W	150	7.0	0	LIMITED	111
21	2	1960	0813	36.0N	4.1E	N	5.6	47	MODERATE	40
21	2	1960	0813	36.0N	4.5E		5.8	47	MODERATE	25
29	2	1960	2340	30.4N	9.6W#			13,100	120	51 MOROCCO: AGADIR
29	2	1960	2340	30.4N	9.6W		5.9	12,000	EXTREME	40 MOROCCO: AGADIR
9	3	1960	2354	16.5S	72.5W	150	6.1	1	LIMITED	25
12	3	1960	1154	42.0N	21.0E		5.6	1	LIMITED	25
12	3	1960	1154	42.0N	21.0E		5.6	1	LIMITED	25
13	4	1960	1237	15.5N	92.0W	50	6.0	1	LIMITED	25
24	4	1960	1214	27.7N	54.4E		6.0	380	UNKNOWN	138 IRAN: LAR
24	4	1960	1214	28.0N	54.5E		6.0	420	20	25,76
21	5	1960	1002	37.5S	73.5W		7.3	0	MODERATE	25
22	5	1960	1911	39.5S	74.5W#			5,700	417	51 CHILE: PUERTO MONTT, VALDIVIA
22	5	1960	1911	39.5S	74.5W		8.5	2,231	675	25 S. CHILE
26	5	1960	0510	40.0N	20.0E		6.5	8	MODERATE	25
26	5	1960	0510	40.0N	120.0E	N	6.5	9	UNKNOWN	40
30	7	1960	0204	1.5S	79.0W	21		11	LIMITED	25
30	7	1960	0204	1.5S	79.0W	21		1	LIMITED	40
13	8	1960	1414	40.0S	74.9W	56	6.9		LIMITED	25
27	8	1960	1558	28.6N	76.7E	58			MODERATE	40
22	9	1960	0538	3.6S	29.1E		5.9		MODERATE	40
22	9	1960	0905	3.6S	29.0E	28	6.6	24	UNKNOWN	40
1	11	1960	0846	38.5S	75.1W	55	7.4		LIMITED	25
20	11	1960	2201	6.8S	81.0W	55	6.8	11	SEVERE	25
20	11	1960	2201	6.8S	80.7W	93	6.7	11		56 (TSUNAMI)
20	11	1960	2202	6.8S	81.0W	93	6.0	3	MODERATE	11
1	2	1961	1839	37.4N	138.4E	38	5.2	5	MODERATE	39
26	2	1961	1810	31.6N	131.8E	40	7.1	2	MODERATE	15
7	3	1961	1010	28.3S	175.7W	40	7.5		UNKNOWN	89
16	3	1961	1345	8.2S	122.0E	74	6.3	2	SEVERE	40
24	3	1961	1036	38.0N	15.3E	N		15	MODERATE	40
4	4	1961	2132	34.0N	118.0W	16		0	4.5	40,128 CALIF.: TERMINAL I.
	5	1961		10.4N	39.9E		5.4	0	LIMITED	134 ETHIOPIA
23	5	1961	0245	36.5N	28.6E		6.7		UNKNOWN	71
1	6	1961	2329	10.4N	39.9E	33	6.5	5	UNKNOWN	15
1	6	1961	2329	10.4N	39.9E	33	6.6	30	MODERATE	40
11	6	1961	0510	27.9N	54.5E		7.2	61	UNKNOWN	138 IRAN: LAR
11	6	1961	0510	27.9N	54.6E	37	6.6	60	SEVERE	40,76
27	6	1961	0049	33.5N	49.4E			5	MODERATE	15
23	7	1961	2151	18.5S	168.3E	44	7.1		LIMITED	15 (TSUNAMI)
19	8	1961	0533	36.0N	136.7E		7.3	10	MODERATE	15
31	8	1961	0157	10.5S	70.7W	629	7.5			

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
1	9	1961	0009	59.5S	27.3W	131	7.5			
5	9	1961	0000	58.0S	27.0W		7.7			2
8	9	1961	1126	56.3S	27.1W	125	7.6			
14	10	1961	0701	33.6N	48.1E	33		2	MODERATE	15
20	12	1961	1325	4.6N	75.6W	176	6.9	23	SEVERE	15,40
7	1	1962	1003	43.3N	17.1E	33	6.0	4	MODERATE	40
8	1	1962	0100	18.4N	70.4W	32	6.5	1	LIMITED	29
11	1	1962	0505	43.3N	17.1E	33	5.8	1	MODERATE	29
14	2	1962	0636	37.8S	72.5W	45	7.3		MODERATE	40
18	3	1962	1530	40.9N	19.5E	33	6.0	15	MODERATE	2,40
18	3	1962	2018	23.8N	114.6E	25		1	LIMITED	29
1	4	1962	0045	33.6N	59.0E	33		2	LIMITED	40
18	4	1962	1914	10.0S	79.0W	39		9	MODERATE	29
30	4	1962	0226	38.7N	141.1E	100	6.4	3	SEVERE	40
11	5	1962	1411	17.0N	99.6W	40	7.0	4	MODERATE	29,40 (TSUNAMI)
19	5	1962	1458	17.2N	99.5W	33	7.1	30	SEVERE	29,40
11	6	1962	0715	43.6N	18.3E	N	6.3	0	40	40
30	7	1962	2018	5.2N	76.4W	69	6.8	47	UNKNOWN	29
30	7	1962	2018	5.0N	76.3W	45	6.9	40	UNKNOWN	40
30	7	1962	2018	5.4N	75.9W	45	X	8	MODERATE	118 COLOMBIA: MISTRATO
21	8	1962	1819	41.4N	15.5E	34	6.1	16	MODERATE	40,75
28	8	1962	1059	37.8N	22.9E	100	6.8	1	MODERATE	40,75
30	8	1962	1335	41.8N	111.8W	37	5.8	0	2	40
1	9	1962	1920	35.6N	49.8E		7.2	12,200	UNKNOWN	138 IRAN: BUIYN-ZARA
1	9	1962	1920	35.6N	49.9E	20	7.3	12,225	EXTREME	40,76 N.W. IRAN
4	9	1962	2259	39.9N	43.9E		5.5		UNKNOWN	71
4	9	1962	2259	39.9N	43.9E#		5.5	1	MODERATE	141 IQDIR
14	9	1962	0033	39.6N	23.3E		4.25		UNKNOWN	71
14	9	1962	0033	39.6N	23.3E#		5.5		MODERATE	141 BALIKESIR
18	9	1962	0029	7.5N	82.3W	33	7.0		LIMITED	29
5	10	1962	2002	35.1N	58.6E	N		6	MODERATE	40
5	10	1962	2002	35.2N	58.8E	33		5	MODERATE	29
30	11	1962	2151	17.6N	99.7W	57	5.1	1	LIMITED	29
13	2	1963	0850	24.5N	122.1E	47	7.3	4	MODERATE	10
21	2	1963	1714	32.6N	21.0E	5	5.3	300	5	10,51
24	3	1963	1110	37.9N	41.7E	9			LIMITED	40
24	3	1963	1244	34.4N	47.8E	42	7.2		MODERATE	40
28	3	1963	0015	66.1N	20.1W	33	7.2	0	LIMITED	10
29	3	1963	0309	40.3N	26.7E		4.4		UNKNOWN	71
31	3	1963	0227	37.0N	57.9E	33	7.0	4	MODERATE	10
18	5	1963	1220	8.2S	115.6E	65	6.0		SEVERE	40
30	6	1963	0741	33.2N	49.2E	38	5.1		MODERATE	40
16	7	1963	1827	43.2N	41.6E	5	6.4	2	LIMITED	44



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
26	7	1963	0417	42.1N	21.5E	5	6.0	1,070	300	51
26	7	1963	0417	42.1N	21.5E	5	6.0	1,070	500	40
29	7	1963	0610	27.8N	55.6E	37	5.2	5	LIMITED	10,40
15	8	1963	1725	13.8S	69.3W	543	7.7		INSIGNIFICANT	40
2	9	1963	0134	33.9N	74.7E	44	5.4	79	SEVERE	10,40
2	9	1963	0134	33.9N	74.8E	25	5.3	80	MODERATE	101
4	9	1963	0506	36.1N	5.3E	38	6.2	1	LIMITED	10
13	10	1963	0517	44.8N	149.5E		8.3		INSIGNIFICANT	40,44
4	11	1963	0117	6.8S	129.6E	80	8.2		LIMITED	10
4	11	1963	1546	44.3N	11.0E		4.1		UNKNOWN	75
8	1	1964	2230	3.7S	119.4E	90	5.2	8	SEVERE	9
18	1	1964	1204	23.1N	120.5E		6.9	107	MODERATE	40
18	1	1964	1204	23.1N	120.5E	33	6.8	107	SEVERE	9
18	2	1964	1219	38.8N	28.4W	33	4.6		SEVERE	40
14	3	1964	1940	42.2N	44.6E		4.1		INSIGNIFICANT	71
28	3	1964	0336	61.0N	147.7W		8.3	131	450	128
28	3	1964	0336	61.1N	147.6W	33	8.5	115	538	3,40
2	4	1964	0111	5.8N	95.6E	132	7.0		MODERATE	9
13	4	1964	0830	45.3N	18.1E	32	6.0	3	SEVERE	9,40
14	4	1964	0635	39.0N	14.3E	300	4.3		UNKNOWN	75
16	5	1964	0401	38.3N	139.1E#			26	800	51
14	6	1964	1216	38.1N	38.3E#		6.1	8	MODERATE	141
14	6	1964	1216	38.0N	38.5E		6.0	1	SEVERE	9,71
16	6	1964	0401	38.3N	139.1E	57	7.4	26	EXTREME	9
16	6	1964	0401	38.3N	139.1E	57	7.4	36	EXTREME	40
6	7	1964	0722	18.2N	100.4W	82	7.0	30	SEVERE	9
6	7	1964	0722	18.3N	100.4W	100	7.4	78	SEVERE	40
21	8	1964	1649	40.0N	40.9E		4.6		UNKNOWN	71
4	9	1964	0147	39.2N	15.2E	260	4.2		UNKNOWN	75
6	10	1964	1431	40.3N	28.2E	10	7.0	36	SEVERE	9,71
6	10	1964	1431	40.3N	28.2E		7.0	19	UNKNOWN	138
2	11	1964	2300	44.2N	11.4E		4.3		UNKNOWN	75
17	11	1964	0815	5.7S	150.7E	45	7.6		INSIGNIFICANT	2,40
27	12	1964		27.0N	54.0E				MODERATE	40
1	1	1965	2138	35.7N	4.4E	10	5.5	5	SEVERE	40
24	1	1965	0011	2.4S	126.0E	6	7.5	71	MODERATE	56
24	1	1965	0011	2.4S	126.0E	6	7.6	71	SEVERE	30
4	2	1965	0501	51.3N	178.6E	40	7.8			
10	2	1965	1609	37.6N	47.1E	52	5.1	20	SEVERE	30
23	2	1965	2211	25.7S	70.5W	80	7.3	1	LIMITED	30
9	3	1965	1757	39.4N	24.0E	18	6.4	2	MODERATE	30
12	3	1965	2019	38.5N	17.4E	73	4.6		UNKNOWN	75
14	3	1965	1553	36.3N	70.7E	219	7.6	0	LIMITED	30

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
28	3	1965	1633	32.4S	71.2W	61	7.4	174	100	40
28	3	1965	1633	32.4S	71.2W	61	7.3	400	EXTREME	30
31	3	1965	0947	38.6N	22.4E	78	7.1	6	MODERATE	40
5	4	1965	0312	37.7N	21.8E	34	6.2	18	SEVERE	40,41
19	4	1965	2341	34.9N	138.0E	36	5.6	1	LIMITED	30
19	4	1965	2341	34.9N	138.0E	50	6.3	2	LIMITED	40
29	4	1965	1529	47.4N	122.3W		6.5	7	12.5	30,128 WASHINGTON: SEATTLE
3	5	1965	1001	13.5N	89.3W	23	6.3	120	SEVERE	2,40
21	6	1965	0021	28.1N	55.9E	40	6.0		SEVERE	40
2	7	1965	2058	53.1N	167.6W	60	6.9	0	LIMITED	30
6	7	1965	0318	38.7N	22.6E	28	6.6	1	MODERATE	40
5	8	1965	1905	14.8N	91.0W	59	4.0	1	INSIGNIFICANT	30
11	8	1965	2231	15.8S	167.2E	13	7.4		LIMITED	30
23	8	1965	1946	16.3N	95.8W	30	7.8	5	LIMITED	30,40
31	8	1965	0729	39.3N	40.8E	10	5.1		MODERATE	40
22	11	1965	1757	36.6N	138.2E		5.0		MODERATE	40
22	12	1965	1941	58.4N	153.1W	51	6.9	0	LIMITED	30
23	12	1965	1529	40.4N	14.5E	320	4.4		UNKNOWN	75
5	2	1966	0201	39.1N	21.7E	22	6.3	1	SEVERE	39
2	3	1966	0237	43.0N	45.7E	44	5.4		LIMITED	39
7	3	1966	0116	39.1N	41.6E	38	6.0	10	SEVERE	28,39
7	3	1966	2129	37.3N	114.9E	33	6.8	MANY	EXTREME	2,39
12	3	1966	1631	24.2N	122.6E	48	7.6	7	MODERATE	39
22	3	1966	0819	37.6N	115.2E	33	6.9		SEVERE	39
2	5	1966	2313	38.0N	42.6E	41	4.8		MODERATE	39
27	6	1966	1041	29.6N	80.9E	33	6.0	80	SEVERE	28,39
12	7	1966	0004	39.2N	41.6E	33	4.5	12	SEVERE	28,39
12	7	1966	1853	44.7N	37.3E	55	5.8		LIMITED	44
15	8	1966	0215	28.7N	78.9E	53	5.6	15	LIMITED	28,39
19	8	1966	1222	39.2N	41.6E		6.6	2,520	UNKNOWN	138 TURKEY: VARTO
19	8	1966	1222	39.2N	41.6E	33	7.1	2,520	SEVERE	3,39 E. TURKEY
24	8	1966	2047	44.9N	5.7E				LIMITED	39
1	9	1966	1422	37.5N	22.1E	28	5.2		MODERATE	39
4	9	1966	2214	4.6N	73.9W	8	5.2B	6	SEVERE	28,39
19	9	1966	1840	10.8N	69.5W	12	5.0		SEVERE	39
4	10	1966	2215	4.6N	74.0W	5	VII	6	LIMITED	118 COLOMBIA: BOGOTA
17	10	1966	2142	10.7S	78.7W	38	7.6	110	40	2,28,111
29	10	1966	0239	38.9N	21.0E	20	6.0	1	SEVERE	39
28	12	1966	0818	25.4S	70.7W	47	7.8	3	SEVERE	39
31	12	1966	1823	11.8S	164.8E	56	7.7		INSIGNIFICANT	39
4	1	1967	0558	38.4N	22.0E	10	6.0		MODERATE	39
5	1	1967	0014	48.1N	102.8E	35	7.5		INSIGNIFICANT	11
9	2	1967	1524	2.9N	74.9W	60	6.8	98	20	11,39

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
9	2	1967	1524	2.9N	74.8W	58	VII	98	EXTREME	118	COLOMBIA: HUILA
19	2	1967	2214	9.1S	113.0E	94	6.8	54	SEVERE	11	
4	3	1967	1758	39.2N	24.6E	33	7.0		LIMITED	11	
11	3	1967	1445	19.1N	95.8W	47	5.5		UNKNOWN	2	
11	4	1967	0509	3.3S	119.2E	33	5.8	58	SEVERE	39	
11	4	1967	0515	3.7S	119.3E	33		13	MODERATE	56	(TSUNAMI)
12	4	1967	0452	5.3N	96.5E	45	6.6	14	SEVERE	39	
1	5	1967	0708	39.5N	21.2E	5	5.9	9	SEVERE	39	
4	6	1967	1614	33.6N	90.9W	33	3.8	0	INSIGNIFICANT	11	
17	6	1967	1543	41.4N	16.1E		4.4		UNKNOWN	75	
21	6	1967	1813	64.7N	147.3W	17	5.6	0	LIMITED	11	
13	7	1967	0210	35.5N	0.1W	13	5.0	10	LIMITED	11,39	
26	7	1967	1853	39.5N	40.4E		6.2	97	UNKNOWN	138	TURKEY: TUNCALI
26	7	1967	1853	39.5N	40.4E	33	6.2	110	SEVERE	39	
29	7	1967	1024	6.8N	73.0W	161	6.8	10	MODERATE	7,39	
29	7	1967	1025	6.8N	73.0W		7.5	20	SEVERE	118	VENEZUELA: CARACAS
30	7	1967		11.0N	67.3W	102	6.3	300	UNKNOWN	80	
30	7	1967	0000	10.6N	67.3W#			225	EXTREME	51	VENEZUELA: CARACAS
30	7	1967	0000	10.6N	67.3W	10	6.5	300	140	64	
30	7	1967	0000	10.6N	67.3W	10	6.5	240	EXTREME	39	
13	8	1967	2208	43.1N	0.7W	15	5.9	1	MODERATE	39	
13	8	1967	2215	4.4S	152.5E	30	6.2		SEVERE	39	
25	10	1967	0059	24.5N	122.2E	63	7.0	2	MODERATE	11,39	
31	10	1967	2109	37.5N	14.2E		5.4		UNKNOWN	75	
30	11	1967	0723	41.5N	20.5E	29	6.5	18	SEVERE	11	
4	12	1967	0049	41.2N	20.8E	33	4.8		SEVERE	39	
10	12	1967	2251	17.4N	73.6E	33	6.5	110	SEVERE	39	
10	12	1967	2251	17.7N	73.9E		6.5	177	SEVERE	11	
10	12	1967	2251	17.7N	73.9E	33	6.5	180	SEVERE	2	
21	12	1967	0225	21.8S	70.0W	33	7.3	1	MODERATE	11,39	
15	1	1968	0201	37.8N	13.1E	33	6.2	281	320	39,51	ITALY: BELICE VALLEY, SICILY
15	1	1968	0201	37.9N	13.1E	33	6.0	216	285	11	ITALY: BELICE VALLEY, SICILY
25	1	1968	0956	37.8N	13.2E	33	5.1	8	UNKNOWN	11	
12	2	1968	0544	5.5S	153.2E	74	7.8		LIMITED	11	
19	2	1968	2245	39.4N	25.0E	7	7.5	20	MODERATE	11,39	
21	2	1968	0145	32.0N	130.6E	3	6.3	3	MODERATE	11	
23	2	1968	1423	6.1S	38.4W	33	4.5	1	LIMITED	11	
25	2	1968	1540	36.8N	5.6E	20	4.9	1	LIMITED	11	
28	2	1968	0000	37.7N	29.4W		7.6		UNKNOWN	2	
1	4	1968	0042	32.5N	132.2E	33	7.8	1	MODERATE	39	(TSUNAMI)
9	4	1968	0228	33.1N	116.1W	20	6.5		LIMITED	11	CALIF.: OCOTILLO WELLS
29	4	1968	1701	39.2N	44.3E	34	5.6	61	SEVERE	39,76	
29	4	1968	1702	39.2N	44.3E	34	5.3	38	MODERATE	11	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
16	5	1968	0048	40.8N	143.2E	7	7.9	48	131	3,11 (TSUNAMI)
23	5	1968	1724	41.6S	171.9E	21	7.1	3	3	11
28	5	1968	1327	2.9S	139.3E	65	7.7		INSIGNIFICANT	39
9	6	1968	0056	39.2N	46.2E	50	5.2		LIMITED	39,44
12	6	1968	1341	39.5N	142.7E	45	7.8		INSIGNIFICANT	39
19	6	1968	0813	5.5S	77.1W	28	6.9	46	LIMITED	11
1	7	1968	1045	35.9N	139.2E	67	5.9	1	LIMITED	11
2	7	1968	0344	17.6N	100.2W	41	5.9	1	LIMITED	11
1	8	1968	2019	16.5N	122.2E	37	7.3	216	SEVERE	39
1	8	1968	2019	16.5N	122.2E	36	7.3	207	7.5+	11
2	8	1968	1406	16.5N	97.6W	40	7.1	18	2.4	11,39
10	8	1968	0207	1.4N	126.2E	33	7.6		LIMITED	11
14	8	1968	2214	.1N	119.7E	23	7.4	392	SEVERE	39
31	8	1968	1047	34.0N	59.0E	13	7.3	12,100	10	11,39,51 IRAN: DASHT-E-BIAZ
31	8	1968	1047	33.9N	59.0E	13	7.3	15,000	UNKNOWN	3,76
4	9	1968	2324	33.9N	58.2E	15	5.4		SEVERE	39
20	9	1968	0600	10.7N	62.6W	107	6.2	3	MODERATE	11
24	9	1968	0419	39.2N	40.1E	14	5.1	2	SEVERE	39
25	9	1968	1038	15.5N	92.6W	138	5.7B	20	MODERATE	11
7	10	1968	1920	26.2N	140.5E	516	7.5			
14	10	1968	0258	31.5S	116.9E	1	7.4	0	2.2	39
3	11	1968	0449	42.1N	19.3E	17	5.3	1	MODERATE	39
9	11	1968	1701	38.0N	88.5W	19	5.3	0	LIMITED	11
3	1	1969	0316	37.1N	57.8E	11	5.6	50	MODERATE	11,39,76
5	1	1969	1326	7.9S	158.9E	47	7.5		LIMITED	11
19	1	1969	0702	45.0N	143.2E	204	7.6		INSIGNIFICANT	44
23	2	1969	0036	3.1S	118.8E	13	6.9	600	MODERATE	11,39 CELEBES (TSUNAMI)
28	2	1969	0240	36.0N	10.5W	22	8.0	7	MODERATE	11,39
28	2	1969	0456	34.5N	118.1W	5	4.6B	0	INSIGNIFICANT	11
28	3	1969		38.0N	28.0E		5.7	53	SEVERE	120
28	3	1969	0148	38.6N	28.4E	9	6.5	53	SEVERE	39
29	3	1969	0915	11.9N	41.1E	33	6.4	24	SEVERE	11
29	3	1969	0915	12.0N	41.2E		6.3	24	UNKNOWN	138 ETHIOPIA: SARDO
29	3	1969	0916	11.6N	41.2E		6.3	25	MODERATE	39,134 ETHIOPIA: SARDO
3	4	1969	2212	40.7N	19.8E	33	5.5	1	MODERATE	11
18	7	1969	0524	38.3N	119.4E		7.6		INSIGNIFICANT	39
25	7	1969	2249	21.5N	111.9E	33	5.9	3,000	SEVERE	3,39
11	8	1969	2127	43.5N	147.3E	28	7.8		UNKNOWN	11
29	9	1969	2003	32.9S	19.7E	N	6.3	12	24	11,39
1	10	1969	0505	11.9S	75.1W	4	6.4	136	MODERATE	11,39
2	10	1969	0456	38.5N	122.7W		5.6	0	10	39
2	10	1969	0457	38.5N	122.7W		5.6	0	7	128 CALIF.: SANTA ROSA
13	10	1969	0102	39.8N	20.6E	8	5.6		LIMITED	39

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
26	10	1969	1536	44.9N	17.3E	33	6.2	20	SEVERE	11,39
27	10	1969	0810	44.9N	17.2E	N	6.4	9	SEVERE	39
20	11	1969	0100	37.4N	81.0W	3	4.8	0	LIMITED	11
21	11	1969	0205	2.0N	94.6E	20	7.7			
22	11	1969	2309	57.8N	163.6E	33	7.7		INSIGNIFICANT	44
25	12	1969	2132	15.8N	59.7W	7	7.2		LIMITED	11
<b>1970</b>										
4	1	1970	1700	24.1N	102.5E	31	7.5		SEVERE	39
20	1	1970	1733	42.5N	142.9E	46	6.7	1	LIMITED	35
5	2	1970	2205	12.5N	122.1E	11	6.6	3	MODERATE	35
14	2	1970	1117	9.9S	75.6W	35	5.4	12	SEVERE	35,39
14	3	1970	0151	38.5N	44.7E	23	5.3	5	MODERATE	35
23	3	1970	0152	21.7N	73.0E	3	5.1	26	MODERATE	35,39
7	4	1970	0534	15.7N	121.7E	37	7.5	15	MODERATE	35
7	4	1970	0534	15.8N	121.7E	37	7.6	14	MODERATE	39
12	4	1970	0401	15.0N	122.0E	24	7.0	0	LIMITED	35
29	4	1970	1401	14.5N	92.6W	33	7.3		LIMITED	35
14	5	1970	0920	43.0N	47.0E	17	5.7		MODERATE	39
14	5	1970	1812	43.0N	47.0E	44	6.7	MANY	SEVERE	35,39
31	5	1970	2023	9.2S	78.8W	43	7.8	54,000	507	39
31	5	1970	2023	9.1S	78.8W#	43	7.8	66,000	530	38
31	5	1970	2023	9.1S	78.8W	43	7.8	66,794	250	35,145 N. PERU
5	6	1970	0453	42.5N	78.8E		6.6	0	SEVERE	35
15	6	1970	0424	26.1S	28.1E	N	5.4	9	UNKNOWN	39
2	7	1970	0224	38.8N	36.6E	27	4.8	1	LIMITED	35
25	7	1970	2241	32.1N	131.6E	34	7.0		LIMITED	35
30	7	1970	0052	37.8N	55.8E	19	6.8	176	SEVERE	35,39,76
30	7	1970	0052	37.8N	55.9E		6.9	220	UNKNOWN	138 IRAN: KARNAVEH
31	7	1970	1708	1.4S	72.5W	651	7.1	1	UNKNOWN	35
11	8	1970	1022	14.1S	166.6E	33	7.5			
26	9	1970	1202	6.2N	77.5W	8	6.6	0	LIMITED	35
30	9	1970	0952	20.6N	122.0E	33	5.1		LIMITED	35
5	10	1970	2324	44.0N	15.7E	49	5.0		MODERATE	39
31	10	1970	1753	4.9S	145.4E	42	7.0	5	MODERATE	35,39
14	11	1970	0758	22.7N	121.3E	28	6.1	2	UNKNOWN	35
28	11	1970	0740	35.0N	106.7W	9	4.5		INSIGNIFICANT	128
10	12	1970	0434	4.0S	80.7W	25	7.6	81	SEVERE	35,39
10	1	1971	0717	3.1S	139.6E	33	8.1		MODERATE	39
16	1	1971	0900	1.4S	28.6E	18	5.0	1	UNKNOWN	32
4	2	1971	1533	0.6N	98.8E	33	7.1		UNKNOWN	32

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
6	2	1971	1809	42.4N	11.8E	33	4.5	24	41	39	
9	2	1971	1400	34.4N	118.4W	13	6.7	64	553	39,145	
9	2	1971	1400	34.4N	118.4W		6.4	58	500	128	CALIF.: SAN FERNANDO
22	5	1971	1643	38.8N	40.5E	3	7.0	995	SEVERE	39	
22	5	1971	1643	38.8N	40.5E		6.7	755	UNKNOWN	138	TURKEY: BINGOL
26	5	1971	1645	43.3N	45.4E	3	4.1		LIMITED	44	
16	6	1971	1444	7.2S	109.0E	35	5.2	1	UNKNOWN	32	
17	6	1971	2100	25.5S	69.2W	93	7.0	1	MODERATE	32,39	
9	7	1971	0303	32.5S	71.3W	58	7.5	83	SEVERE	32,39	
14	7	1971	0611	5.4S	153.8E	47	7.9				
15	7	1971	0133	44.8N	10.3E	8	5.5	0	8	39	
26	7	1971	0123	4.9S	153.1E	48	7.9		LIMITED	32	(TSUNAMI)
27	7	1971	0203	2.7S	77.4W	135	7.5	1	MODERATE	32	
9	8	1971	0254	36.3N	52.7E	27	5.3	1	MODERATE	32	
5	9	1971	1835	46.8N	141.2E	9	7.5		INSIGNIFICANT	44	
15	10	1971	1033	14.1S	73.3W	54	5.7B	14	SEVERE	39	
27	10	1971	1758	15.4S	167.2E	40	7.1	1	SEVERE	32	
24	11	1971	1935	52.8N	159.1E	106	7.5				
15	12	1971	0829	55.9N	163.2E	33	7.8				
25	1	1972	0206	22.4N	122.2E	33	7.5	1	LIMITED	31	
4	2	1972	0242	43.8N	13.3E	25	4.8	1	MODERATE	31	
4	2	1972	0242	43.7N	13.4E	25	4.9	1	MODERATE	39	
29	2	1972	0922	33.3N	140.7E	56	7.2		UNKNOWN	31	
20	3	1972	0733	6.7S	76.7W	64	6.9	7	SEVERE	31	
10	4	1972	0206	28.4N	52.8E		6.8	5,400	UNKNOWN	138	IRAN: GHIR
10	4	1972	0207	28.4N	52.8E	33	7.1	5,374	5	39,76	
24	4	1972	0957	23.6N	121.5E	33	7.2	4	MODERATE	31	
25	4	1972	1930	13.3N	120.3E	50	7.3		INSIGNIFICANT	31,39	
4	5	1972	0748	15.9S	167.5E	45	6.8	0	INSIGNIFICANT	31	
22	5	1972	0604	16.6N	122.3E	34	6.9		LIMITED	31	
11	6	1972	1641	3.9N	124.3E	325	7.5				
21	6	1972	1506	43.8N	13.3E	4	4.4	2	300	31	ITALY: ANCONA
30	7	1972	2145	56.8N	135.7W	25	7.6	0	INSIGNIFICANT	31,128	ALASKA
3	9	1972	1648	36.0N	73.4E	36	6.3	100	MODERATE	101	
3	9	1972	1648	36.0N	73.4E	35	6.5	100	SEVERE	31,39	
17	9	1972	1407	38.2N	20.3E	33	6.4		MODERATE	39	
2	12	1972	0019	6.4N	126.6E	33	7.4		UNKNOWN	31	(TSUNAMI)
2	12	1972	0019	6.5N	126.6E	33	7.8		INSIGNIFICANT	39	
4	12	1972	1016	33.3N	140.6E	66	7.4		LIMITED	31	
23	12	1972	0629	12.3N	86.1W	5	6.2	5,000	800	31,39	NICARAGUA
30	1	1973	2101	18.4N	102.9W	43	7.5	56	SEVERE	2,39	
6	2	1973	1037	31.3N	100.5E	33	7.7	SOME	UNKNOWN	39	
21	2	1973	1446	34.1N	119.0W	8	5.9	0	1	128,39	CALIF.

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
28	2	1973	0637	50.4N	156.7E	27	7.5		INSIGNIFICANT	44
17	3	1973	0830	13.3N	122.7E	33	7.5	15	0.45	33
14	4	1973	0834	10.6N	84.7W	33	6.5	26	SEVERE	33,39
24	4	1973	2130	4.9N	78.1W	50	6.5	1	MODERATE	33
26	4	1973	2026	19.9N	155.1W	50	6.2	0	5.6	128,33 HAWAII
17	6	1973	0355	43.2N	145.7E	48	7.7	0	5	39
24	6	1973	0243	43.3N	146.4E	50	7.1	0	LIMITED	33
18	8	1973	2238	37.7N	15.0E		3.5		0.5	39
28	8	1973	0950	18.2N	96.5W	84	7.3	600	SEVERE	33
28	8	1973	0950	18.2N	96.5W#			539	UNKNOWN	51 MEXICO: ORIZABA
6	10	1973	1507	60.8S	21.5W	33	7.5			
4	11	1973	1552	38.8N	20.4E	8	5.8		MODERATE	39
28	12	1973	1341	14.4S	166.6E	26	7.8		UNKNOWN	33
29	12	1973	0019	15.1S	166.8E	47	7.2		UNKNOWN	33
5	1	1974	0833	12.2S	76.3W	98	6.6	10	SEVERE	36 PERU
18	4	1974	0119	6.9N	72.9W	24	5.0	3	LIMITED	36 COLOMBIA
8	5	1974	2333	34.5N	138.7E	2	6.7	27	MODERATE	36 JAPAN: NAKAGI
10	5	1974	1825	28.2N	104.0E	11	6.8	20,000	UNKNOWN	36,51 CHINA: YUNNAN,SZECHWAN
12	6	1974	1626	10.6N	63.4W	34	6.1	5	2.5	64
13	7	1974	0118	7.7N	77.6W	12	7.3	11	LIMITED	36 COLOMBIA
3	10	1974	1421	12.2S	77.7W	13	7.6	78	SEVERE	36 PERU: CALLAO
8	10	1974	0950	17.3N	62.0W	47	7.5		MODERATE	36 ANTILLES: ANTIGUA
28	12	1974	1211	35.0N	72.8E	22	6.2	5,300	EXTREME	36 PAKISTAN
28	12	1974	1212	35.1N	72.9E	22	6.0	700	SEVERE	101
19	1	1975	0802	32.4N	78.4E	33	6.8	47	UNKNOWN	34
2	2	1975	0843	53.1N	173.4E	10	7.6	0	MODERATE	34,128
4	2	1975	1136	40.6N	122.5E	33	7.4		SEVERE	34
4	2	1975	1136	40.6N	122.5E#			10,000	UNKNOWN	51 CHINA: YINGTAO
9	2	1975	0445	6.6S	106.6E	27	5.6	1	MODERATE	34
7	3	1975	0704	27.4N	56.2E	27	6.1	7	MODERATE	34
13	3	1975	1526	29.9S	71.3W	4	6.9	2	UNKNOWN	34
28	3	1975	0231	42.1N	112.5W	5	6.1	0	1	128,34 IDAHO
5	4	1975	0934	10.0N	69.7W	33	6.1	3	1.2	64,34
10	5	1975	1427	38.1S	73.2W	6	7.8		MODERATE	34
26	5	1975	0911	35.9N	17.6W	33	8.1		LIMITED	34
20	7	1975	1437	6.5S	155.0E	49	7.9		UNKNOWN	34 (TSUNAMI)
20	7	1975	1954	7.1S	155.1E	44	7.7			
1	8	1975	2020	39.4N	121.5W	15	5.8	0	LIMITED	34
6	9	1975	0920	38.4N	40.7E	26	6.7	2,300	17	34,51
6	9	1975	0920	38.5N	40.7E		6.7	2,370	UNKNOWN	138 TURKEY: LICE
11	10	1975	1435	24.8S	175.1W	9	7.8			
31	10	1975	0828	12.5N	125.9E	50	7.6	1	UNKNOWN	34
1	11	1975	0117	13.8N	144.7E	113	7.1	0	UNKNOWN	34

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
29	11	1975	1448	19.3N	155.0W	5	7.2	2	4.1	128,34 HAWAII (TSUNAMI)
26	12	1975	1556	16.2S	172.4W	33	7.8			
14	1	1976	1556	29.2S	177.8W	69	7.8		UNKNOWN	41
14	1	1976	1647	28.4S	177.6W	33	8.2			
4	2	1976	0901	15.3N	89.1W	5	7.5	23,000	1,100	41,51 GUATEMALA
19	2	1976	1359	19.8N	76.8W	20	5.9	1	UNKNOWN	41
13	3	1976	1630	14.7N	91.0W	5	5.1	4	MODERATE	41
25	3	1976	1155	41.1N	43.0E	18	4.8	1	MODERATE	41
2	4	1976	1658	39.8N	43.6E	46	4.6	4	UNKNOWN	41
9	4	1976	0708	0.7N	79.8W	9	6.7	8	UNKNOWN	41 ECUADOR
29	4	1976	2218	40.8N	42.8E	44	5.5	4	MODERATE	41
6	5	1976	2000	46.4N	13.1E	9	6.5	929	8,000	134 N.E. ITALY
6	5	1976	2000	46.3N	13.2E	9	6.5	1,000	EXTREME	41
15	5	1976	2155	11.6S	74.4W	33	6.6	5	UNKNOWN	41
29	5	1976	1223	24.5N	98.9E	8	6.9	SOME	SEVERE	41
29	5	1976	1400	24.5N	98.7E	10	7.0	SOME	SEVERE	41
25	6	1976	1918	4.6S	140.0E	33	7.1	6,000	SEVERE	41 W. IRIAN
9	7	1976	0934	38.3N	40.4E	33	4.2	1	UNKNOWN	41
11	7	1976	2041	7.4N	78.1W	3	7.0	0	UNKNOWN	41
14	7	1976	0713	8.1S	114.8E	40	6.5	563	UNKNOWN	41
27	7	1976	1942	39.5N	117.9E	23	8.0	655,237	EXTREME	41 CHINA: TANGSHAN
27	7	1976	1942	39.5N	117.9E	23	7.8	240,000	EXTREME	61
28	7	1976	1045	39.6N	118.4E	26	7.4	SOME	UNKNOWN	41
16	8	1976	1406	32.7N	104.1E	16	6.9		UNKNOWN	41
16	8	1976	1611	6.2N	124.0E#			8,000	130	51 PHILIPPINES: S. MINDANAO (TSUNAMI)
16	8	1976	1611	6.2N	124.0E	33	7.9	6,500	EXTREME	41
19	8	1976	0112	37.7N	28.8E	3	5.0	4	UNKNOWN	41
11	9	1976	1631	46.2N	13.1E	16	6.5	5	MODERATE	41
15	9	1976	0315	46.3N	13.1E	10	6.5	11	MODERATE	41
6	10	1976	0912	0.7S	78.7W	33	5.7	9	UNKNOWN	41
29	10	1976		4.5S	139.9E#			6,000	UNKNOWN	51 INDONESIA: W. IRIAN
29	10	1976	0251	4.5S	139.9E	33	7.2	133	UNKNOWN	41
7	11	1976	0400	33.8N	59.1E	13	6.2	17	SEVERE	41
7	11	1976	1709	8.4N	126.3E	60	6.9		UNKNOWN	41
24	11	1976	1222	39.1N	44.0E	36	7.3	5,000	SEVERE	41 E. TURKEY
30	11	1976	0040	20.5S	68.9W	82	7.3	1	MODERATE	41
8	12	1976	0838	27.9S	26.6E	33	5.2	4	MODERATE	41
31	1	1977	1426	40.0N	70.8E	20	5.9	0	MODERATE	140
21	2	1977	1302	39.9N	40.0E	33	4.6	0	UNKNOWN	140
4	3	1977	1921	45.7N	26.7E	94	7.2	1,500	800	42,51 RUMANIA
18	3	1977	2143	16.7N	122.3E	37	7.0	1	UNKNOWN	42
21	3	1977	2118	27.6N	56.3E	29	7.0	167	SEVERE	42,76
25	3	1977	0239	38.5N	40.0E	21	5.2	30	SEVERE	42



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
2	4	1977	0715	16.6S	172.0W	33	7.6	0	LIMITED	42
6	4	1977	1336	31.9N	50.6E	41	5.9	348	UNKNOWN	42,76
6	4	1977	1336	31.9N	50.6E		5.6	366	MODERATE	130 IRAN
20	4	1977	2342	9.8S	160.3E	19	7.6			
20	4	1977	2349	9.8S	160.8E	33	7.5		UNKNOWN	42
21	4	1977	0424	9.9S	160.7E	33	8.1	18	SEVERE	42
12	5	1977	1220	21.7N	92.9E	40	5.7	0	LIMITED	140
26	5	1977	0135	38.9N	44.3E	37	5.4	3	SEVERE	42
22	6	1977	1208	22.8S	175.9W	65	7.2	0	SEVERE	42
19	8	1977	0608	11.1S	118.5E	3	8.0	189	MODERATE	42 (TSUNAMI)
27	8	1977	0712	8.0S	125.3E	25	6.8	2	UNKNOWN	42
31	8	1977	0042	7.3N	76.2W	33	6.4	3	UNKNOWN	42
4	11	1977	0952	51.6N	175.9W	33	6.7	0	LIMITED	42
9	11	1977	1120	36.7N	55.0E	33	4.98		MODERATE	140
23	11	1977	0926	31.0S	67.8W	13	7.4	70	SEVERE	42
9	12	1977	1553	38.3N	27.1E	19	4.6	0	UNKNOWN	140
19	12	1977	2334	30.9N	56.4E	31	5.8	584	SEVERE	7,42
19	12	1977	2334	30.9N	56.4E	31	5.8	551	UNKNOWN	76 IRAN: BAB-TANGOL
14	1	1978	0324	34.7N	139.4E	23	6.5	18	SEVERE	132
15	2	1978	0317	39.6N	39.7E	33	4.5MB	0	MODERATE	132
20	2	1978	0436	39.2N	141.9E	40	6.1	0	UNKNOWN	132
22	2	1978	0607	14.2N	91.3W	73	5.6MB	2	UNKNOWN	132
11	3	1978	1920	38.1N	15.7E	33	5.0MB	2	MODERATE	132
12	3	1978	0829	41.7N	79.8E	33	5.5MB		MODERATE	132
19	3	1978	0139	17.2N	99.6W	85	6.5	1	UNKNOWN	132
24	3	1978	2105	43.3N	78.5E	33	7.0		UNKNOWN	132
13	4	1978	1805	43.0N	22.0E	38	4.6MB		MODERATE	132
15	4	1978	2333	38.5N	14.1E	33	5.8	5	LIMITED	132
23	5	1978	2334	40.8N	23.4E	33	5.3		UNKNOWN	132
3	6	1978	2003	35.3N	132.6E	33	5.1MB		LIMITED	132
12	6	1978	0814	38.4N	141.9E	42	7.5	22	MODERATE	132
19	6	1978	1031	40.8N	23.1E	10	5.2MB	1	UNKNOWN	132
20	6	1978	2003	40.8N	23.2E	13	6.4	50	MODERATE	132
4	7	1978	2223	40.8N	23.2E	33	4.8MB	1	UNKNOWN	132
29	7	1978	1437	14.7N	90.7W	5	5.0MB	5	MODERATE	132
3	8	1978	1811	26.6S	70.6W	51	6.5		LIMITED	132
13	8	1978	2254	34.4N	119.7W	7	5.6	0	12-15	132
18	8	1978	1535	14.4N	91.4W	98	5.4MB		UNKNOWN	132
23	8	1978	0038	10.1N	85.3W	48	7.0		LIMITED	132
3	9	1978	0508	48.3N	9.1E	10	5.1		MODERATE	132
16	9	1978	1535	33.2N	57.4E	33	7.7	15,000	MODERATE	132
16	9	1978	1536	33.4N	57.4E	33	7.4	20,000	UNKNOWN	76 IRAN: TABAS-E-GOLSHAN
29	11	1978	1952	16.1N	96.5W	49	7.8	8	MODERATE	132

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
6	12	1978	1402	44.7N	146.4E	97	7.5MB		UNKNOWN	132	
14	12	1978	0705	32.1N	49.6E	24	6.3	76	MODERATE	132	
15	12	1978	0705	32.1N	49.6E	24	6.3	100	UNKNOWN	76	IRAN: IZEH
23	12	1978	1123	23.7N	122.4E	33	7.0	2	UNKNOWN	132	
16	1	1979	0950	33.9N	59.5E	33	6.7	200	MODERATE	131	IRAN
16	2	1979	1008	16.4S	72.7W	53	6.9	14	MODERATE	131	PERU
28	2	1979	2127	60.6N	141.6W	15	7.1	0	LIMITED	131	ALASKA
14	3	1979	1107	17.8N	101.3W	49	7.6	5	SEVERE	131	MEXICO: GUERRERO
23	3	1979	1932	17.9N	69.0W	80	6.1MB	0	LIMITED	131	DOMINICAN REPUBLIC
15	4	1979	0619	42.1N	19.1E	33	7.0	156	EXTREME	131	YUGOSLAVIA
21	5	1979	1631	8.2S	115.9E	33	5.3		SEVERE	131	BALI ISLAND
24	5	1979	1723	42.3N	18.8E	33	6.1	0	UNKNOWN	131	YUGOSLAVIA
30	5	1979	0938	8.2S	116.1E	43	6.1	22	SEVERE	131	SUMBAWA ISLAND
2	6	1979	0947	30.8S	117.4E	6	6.4	0	1.5	131	W. AUSTRALIA
25	6	1979	0529	5.1S	145.7E	195	6.0MB		MODERATE	131	NEW GUINEA: E. PAPUA
1	7	1979	2038	8.4N	82.9W	38	6.4		2	131	PANAMA, COSTA RICA
2	7	1979	1630	34.4N	74.3E	33	4.8MB	0	LIMITED	131	S.W. KASHMIR
9	7	1979	1057	31.6N	119.2E	33	5.3	41	MODERATE	131	E. CHINA
6	8	1979	1705	37.1N	121.5W	6	5.6	0	UNKNOWN	131	CALIFORNIA
24	8	1979	0426	9.0N	83.4W	33	6.5	0	UNKNOWN	131	COSTA RICA
24	8	1979	1659	41.2N	108.2E	33	5.8	0	MODERATE	131	N. CHINA
12	9	1979	0517	1.7S	135.9E	33	8.1	15	SEVERE	131	WEST IRIAN
19	9	1979	2135	42.8N	13.1E	8	5.8	5	MODERATE	131	ITALY
9	10	1979	0749	14.2N	90.4W	33	5.0	0	MODERATE	131	GUATEMALA
15	10	1979	2316	32.6N	115.3W	7	6.8	0	30	131,156	CALIFORNIA-MEXICO
20	10	1979	0141	8.3S	116.0E	33	6.3	2	MODERATE	131	SUMBAWA ISLAND
23	10	1979	0951	10.6S	161.3E	18	7.2		LIMITED	131	SOLOMON ISLANDS
27	10	1979	1435	13.9N	90.9W	50	6.7	4	MODERATE	131	GUATEMALA
2	11	1979	1553	7.7S	108.3E	98	6.0MB	23	MODERATE	131	JAVA
6	11	1979	0526	39.8N	20.1E	33	5.4	1	SEVERE	131	GREECE-ALBANIA
14	11	1979	0221	34.1N	59.9E	10	6.5	280	SEVERE	131	IRAN
16	11	1979	1521	16.5S	179.9E	33	6.9		MODERATE	131	FIJI ISLANDS
23	11	1979	2340	4.8N	76.2W	106	6.3MB	52	SEVERE	131	COLOMBIA
27	11	1979	1710	34.1N	59.9E	10	7.1	17	SEVERE	131	IRAN
7	12	1979	0924	34.2N	59.9E	33	6.0		SEVERE	131	IRAN
12	12	1979	0759	1.6N	79.4W	32	7.9	600	SEVERE	131	ECUADOR (TSUNAMI)
15	12	1979	0002	3.4S	102.6E	33	6.4	8	MODERATE	131	S. SUMATRA
17	12	1979	1958	8.4S	115.9E	33	6.6	27	UNKNOWN	131	SUMBAWA ISLAND
26	12	1979	0357	55.1N	2.7W	10	4.8MB	0	LIMITED	131	UNITED KINGDOM



**SIGNIFICANT EARTHQUAKES ORDERED BY LONGITUDE**  
**Beginning 0° and Extending Eastward**



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
23	3	1391		47.4N	7.2E		VII		SEVERE	155	SWITZERLAND
20	7	1564		44.0N	7.2E		X	900	SEVERE	159	FRANCE: LA BOLLENE
25	7	1855	1200	46.1N	7.2E		8.5	1	SEVERE	116,155	SWITZERLAND: HAUT-VALAIS
29	11	1610		47.5N	7.5E		VIII		SEVERE	155	SWITZERLAND
24	11	1923	1847	39.1N	7.5E		4.8		UNKNOWN	75	
14	9	1454	2300	47.5N	7.6E			SOME	UNKNOWN	155	SWITZERLAND
15	9	1454	0100	47.5N	7.6E			SOME	UNKNOWN	155	SWITZERLAND
24	11	1346	2300	47.5N	7.6E		VIII		SEVERE	155	SWITZERLAND
18	10	1356	2130	47.4N	7.6E		X	300	EXTREME	51,139	SWITZERLAND: BASEL
12	5	1021	1000	47.5N	7.6E		IX		SEVERE	155	SWITZERLAND
18	4	1835	1725	46.7N	7.8E		VI		SEVERE	155	SWITZERLAND
28	7	1855	1000	46.3N	7.8E		VII		SEVERE	155	SWITZERLAND
26	05	1831	1025	43.8N	7.8E		9	4	SEVERE	116	COTE LIGURE, FRANCE
6	11	1855	0330	46.2N	7.9E		VI		SEVERE	155	SWITZERLAND
26	7	1855	0915	46.2N	7.9E		VIII		SEVERE	155	SWITZERLAND
23	2	1818		43.9N	8.0E		IX		MODERATE	93	ITALY: S. REMO, ONEGLIA, ALASSIO, DIANO, CASTELLO
9	12	1755	1330	46.3N	8.0E		VIII		SEVERE	155	SWITZERLAND
1	1	1851		46.3N	8.0E		VI	SOME	UNKNOWN	155	SWITZERLAND
20	07	1564	1800	43.0N	8.0E			500	EXTREME	116	FRANCE: NICE-LA BOLLENE
15	02	1644		43.0N	8.0E			3	SEVERE	116	VESUBIUS VALLEY, ALPS
15	2	1644		43.0N	8.0E&		VIII	150	MODERATE	159	FRANCE: NICE
6	8	1947	0936	37.0N	8.0E			3	MODERATE	18	
16	10	1943	1918	45.1N	8.1E		4.5		UNKNOWN	75	
16	10	1943	1210	45.1N!	8.1E		4.2		UNKNOWN	75	
18	1	1155		45.8N	8.1E			MANY	UNKNOWN	151	BORGOGNA (ASSUMED BORGONE)
23	2	1887	0523	43.9N	8.1E		X	1,000	EXTREME	116	FRANCE: LIGURIE-MENTON
23	2	1887	0523	43.9N	8.1E		X	800	SEVERE	99	ITALY: LIGURIAN COAST
23	2	1887		43.9N	8.1E#		IX	640	4	93	NICE TO SAVONE
		3	1616	46.8N	8.4E		VIII		SEVERE	155	SWITZERLAND
			1375	46.9N	8.4E		VIII	MANY	SEVERE	155	SWITZERLAND
8	9	1601	0100	46.8N	8.5E		IX	MANY	SEVERE	155	SWITZERLAND
14	5	1801	2130	46.9N	8.6E		IV	SOME		155	SWITZERLAND (ROCKSLIDE)
10	9	1774	1525	46.9N	8.7E		VIII	SOME	SEVERE	155	SWITZERLAND
20	2	1957	0441	36.2N	8.9E		5.6	13	MODERATE	40	
			1512	46.4N	9.0E		VII	MANY	SEVERE	155	SWITZERLAND
3	9	1978	0508	48.3N	9.1E	10	5.1		MODERATE	132	
29	6	1945	0732	44.5N	9.1E		4.1		UNKNOWN	75	
18	2	1946	2300	44.4N	9.4E		4.1		UNKNOWN	75	
14	2	1834		44.3N	9.4E		X	60	0.17	93	BORGO TARO
			1769	46.9N	9.5E		V		SEVERE	155	SWITZERLAND
20	12	1720	0430	47.4N	9.5E		VIII		SEVERE	155	SWITZERLAND
25	8	1618		46.3N	9.5E		VII	MANY	SEVERE	155	SWITZERLAND
4	9	1295		46.9N	9.5E		VIII	SOME	SEVERE	155	SWITZERLAND

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
5	4	1295		46.9N	9.5E		VIII	MANY	SEVERE	155	SWITZERLAND
26	5	1831		44.5N	9.6E		IX	6	LIMITED	93	ITALY: TAGGIA TO CASTELLARO
12	5	1802	0930	45.5N	10.0E		IX		MODERATE	93	ITALY: SOCINO
3	12	856		37.0N	10.0E			45,000	EXTREME	98	TUNIS
2	6	854		37.0N	10.0E				MODERATE	98	TUNIS: KAIROUAN
28	3	1730		44.0N	10.1E		IX	MANY	UNKNOWN	93	ITALY: MASSA DI CARRARA
	3	1504		46.8N	10.2E		VIII	SOME	SEVERE	155	SWITZERLAND
25	12	1222		45.3N	10.2E		X	12,000	SEVERE	93	ITALY: BRESCIA
3	8	1622		46.8N	10.3E		VII	SOME	UNKNOWN	155	SWITZERLAND
25	7	1622	0000	46.8N	10.3E		VI	SOME	LIMITED	155	SWITZERLAND
15	7	1971	0133	44.8N	10.3E	8	5.5	0	8	39	
23	10	1907		44.4N	10.3E		X	167	SEVERE	93	GERRUZANO,ZOPARTO
29	10	1951	2249	44.2N	10.5E		4.2		UNKNOWN	75	
10	6	1510		48.8N	10.5E			2,000		55	BAVARIA: NORDLINGEN
30	4	1279		44.2N	10.5E		X		SEVERE	93	ITALY: ROMAGNE
11	4	1837	1700	44.2N	10.5E		IX	5	MODERATE	99	ITALY
14	8	1846	1500	43.4N	10.6E		XI	56	MODERATE	99	ITALY
22	12	1689		47.7N	10.9E		IX	19	UNKNOWN	93	AUSTRIA: INNSBRUCK,AUGBOURG
28	09	1538	1015	43.0N	11.0E			6	SEVERE	112	ITALY: MONTE NUOVO (TSUNAMI)
30	4	793		45.5N	11.0E			MANY	SEVERE	55,151,158	ITALY: VERONA
4	11	1963	1546	44.3N	11.0E		4.1		UNKNOWN	75	
		243		45.3N	11.0E&		5.3		EXTREME	158	ITALY: VERONA,BENACO
		894		45.3N	11.0E&		5.3	SOME	MODERATE	158	ITALY: VERONA
		1001		45.3N	11.0E&		6.0	MANY	MODERATE	158	ITALY: VERONA
20	7	1277		45.3N	11.0E&		5.1	SOME	MODERATE	158	ITALY: VERONA
22	3	1661		43.5N	11.2E		XI	MANY	SEVERE	93	ITALY: FLORENCE
26	5	1798		43.5N	11.2E		X		SEVERE	93	ITALY: FLORENCE
12	9	1345		43.8N	11.3E			MANY	SEVERE	151	ITALY: FLORENCE
		1279		44.5N	11.3E			MANY	UNKNOWN	55,151	ITALY: BOLOGNA
1	3	1117		44.8N	11.3E		X	MANY	SEVERE	93,158	ITALY: VENETIA TO EMILIA
17	7	1670		47.2N	11.4E		IX		SEVERE	93	AUSTRIA: INNSBRUCKHALL,SCHWAZ
17	11	1570		45.3N	11.4E		IX	125	UNKNOWN	93	ITALY: FERRARA,BOLOGNA,PADOUE,VENICE,TREVISO
2	11	1964	2300	44.2N	11.4E		4.3		UNKNOWN	75	
6	2	1971	1809	42.4N	11.8E	33	4.5	24	41	39	
18	3	1624		44.7N	11.8E		X	25	SEVERE	93	ITALY: ARGENTA
26	5	1819	1700	42.5N	11.8E		IX	GREAT	SEVERE	99	ITALY
19	10	1768		44.0N	12.0E		X	120	SEVERE	93	ITALY: SANTA SOFIA
9	5	1861		46.0N	12.0E		IX	1	MODERATE	93	ITALY: CITTA DELLA PEIVE
11	4	1688		44.4N	12.0E		X	MANY	SEVERE	93	ITALY: COTIGNOLA
11	6	1695		42.5N	12.1E		IX	31	MODERATE	93	ITALY: BAGNOREA
3	8	1414		43.5N	12.1E		X	200	MODERATE	93	ITALY: SAN SEPOLCRO
25	12	1352		43.5N	12.1E		XI	2,000	SEVERE	93	ITALY: SAN SEPOLCRO

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
!	16	3	1941	1848	38.3N	12.1E	6.2		UNKNOWN	75
	16	3	1941	1635	38.3N	12.1E	6.9		UNKNOWN	75
	29	6	1873		46.1N	12.2E	IX	55	MODERATE	93 ITALY: BELLUNE
			778		45.4N	12.2E&	5.6	48	MODERATE	158 ITALY: TREVISO
			1233		45.3N	12.2E&	5.6		SEVERE	158 ITALY: VENICE
	25	2	1695	1230	45.4N	12.2E&	6.2		EXTREME	158 ITALY: ASOLO(TREVISO)
	29	6	1873	0400	46.1N	12.3E	X	55	MODERATE	99 ITALY
	30	9	1789		45.5N	12.3E	X	500	SEVERE	93 ITALY: CITTA DI CASTELLO,SAN DEPOLCRO
			1660		43.6N	12.3E			EXTREME	151 ITALY: TUSCAN
			1629		53.6N	12.3E		MANY	UNKNOWN	151 GERMANY: MECHELBURGO
	14	1	1703		43.1N	12.4E				55 ITALY: NORCIA IN PERUGIA
	22	3	1812		41.5N	12.4E	VIII		MODERATE	93 ITALY: ROME
	5	6	1856		46.4N	12.4E	IX		MODERATE	93 ITALY: PIEVE S. STEFANO
	14	4	1672		44.0N	12.5E	X	1,500	SEVERE	55,73,93 ITALY: RIMINI
	6	6	1916	0127	44.1N	12.5E	4.3		UNKNOWN	75
	4	11	1447		41.9N	12.6E		MANY	SEVERE	151 ITALY: ROME
	24	4	1741		43.2N	12.6E	X		SEVERE	93 ITALY: FABRIANO
			896		41.9N	12.6E		MANY	SEVERE	151 ITALY: ROME
	30	4	801	0100	41.9N	12.6E			EXTREME	151 ITALY: ROME
	13	1	1832	1400	43.0N	12.7E	XI	22	MODERATE	99 ITALY
			1300		42.4N	12.9E				151 ITALY: RIETI
	1	12	1328		42.8N	13.0E	X	5,000	SEVERE	93 ITALY: NORCIA
	12	5	1730		42.8N	13.0E	X	200	SEVERE	93 ITALY: NORCIA
			1248		41.0N	13.0E		9,000	EXTREME	116 ITALY: SABAUDIA
	28	7	1799		43.1N	13.0E	X	60	SEVERE	96 ITALY: CAMERINO
	27	6	1898	2238	42.4N	13.0E	X		MODERATE	99 ITALY
	22	8	1859	1715	42.8N	13.1E	XI	100	MODERATE	99 ITALY
	19	9	1979	2135	42.8N	13.1E	8	5.8	MODERATE	131 ITALY
	11	9	1976	1631	46.2N	13.1E	16	6.5	MODERATE	41
	6	5	1976	2000	46.4N	13.1E	9	6.5	8,000	134 N.E. ITALY
	15	9	1976	0315	46.3N	13.1E	10	6.5	11	41 MODERATE
	15	1	1968	0201	37.8N	13.1E	33	6.2	281	39,51 ITALY: BELICE VALLEY,SICILY
	15	1	1968	0201	37.9N	13.1E	33	6.0	216	11 ITALY: BELICE VALLEY,SICILY
	17	2	1955	1931	39.4N	13.1E	450	5.6		75 UNKNOWN
	25	1	1968	0956	37.8N	13.2E	33	5.1	8	11 UNKNOWN
	4	6	1920	0446	44.4N	13.2E	4.2		UNKNOWN	75
	6	5	1976	2000	46.3N	13.2E	9	6.5	1,000	41 EXTREME
	9	9	1349		42.2N	13.2E	X	THOUSANDS	SEVERE	93 ITALY: AQUILA
	14	1	1703		42.2N	13.3E	XI	40,000	EXTREME	93 ITALY: APENNEINE CENTRAL,NORCIA,AQUILA
	2	2	1703		42.2N	13.3E		5,000	SEVERE	73 ITALY: AQUILA
	7	10	1639		42.6N	13.3E	X		SEVERE	93 AMATRICE
	30	10	1930	0613	43.7N	13.3E	33	IX	18	63 LIMITED
	30	10	1930	0713	43.7N	13.3E	6.0		18	1,93 SEVERE ITALY: SENIGALLIA



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
4	2	1972	0242	43.8N	13.3E	25	4.8	1	MODERATE	31
21	6	1972	1506	43.8N	13.3E	4	4.4	2	300	31
29	6	1951	1849	42.3N	13.3E		4.1		UNKNOWN	75
4	2	1972	0242	43.7N	13.4E	25	4.9	1	MODERATE	39
7	7	1915	1642	39.0N	13.4E	250	5.9		UNKNOWN	75
13	1	1915	0652	49.6N	13.4E			32,610	EXTREME	59
13	1	1915		42.1N	13.4E		7.5	30,000	EXTREME	2,145
8	8	1511		46.1N	13.4E			3,000	UNKNOWN	123
1	9	1726		38.1N	13.4E#			6,000	SEVERE	55,73
1	9	1726		38.1N	13.4E#		IX	250	MODERATE	93
25	1	1348		46.4N	13.5E		X	5,000	EXTREME	93
3	6	1781		43.6N	13.5E		X		SEVERE	93
23	7	1654		41.4N	13.6E		X	600	SEVERE	93
24	1	1556		46.9N	13.7E				SEVERE	93,149
4	12	1690		46.6N	13.8E		X	20	SEVERE	93
1	6	1231		41.5N	13.8E			SOME	UNKNOWN	55,151
6	847			42.2N	13.9E			FEW	UNKNOWN	55,151
2	2	1828	1315	40.7N	13.9E		X	20	LIMITED	99
2	2	1828		40.7N	13.9E		IX	28	MODERATE	93
18	3	1796		40.5N	13.9E			7	MODERATE	93
23	7	1883		40.5N	13.9E			1,990	SEVERE	73
16	3	1881		40.7N	13.9E#			114	0.186	73
28	7	1883		40.5N	13.9E			2,300	UNKNOWN	2,3
4	3	1881	1200	40.7N	13.9E		IX	126	LIMITED	99
26	7	1883		40.5N	13.9E			2,000	UNKNOWN	2,3,51
4	3	1881		40.7N	13.9E#		IX	121	0.2	93
28	7	1882	2025	40.7N	13.9E		XI	2,313	SEVERE	99
8	9	1818	0937	37.7N	14.0E		IX	100	SEVERE	93
		361		44.0N	14.0E				MODERATE	149
26	3	1511	1400	46.1N	14.0E	7	6.9	6,000	EXTREME	123
28	12	1917	1604	40.4N	14.0E		5.2		UNKNOWN	75
11	7	1920	1727	40.0N	14.0E		5.2		UNKNOWN	75
21	5	1957	1144	38.3N	14.0E		5.3		INSIGNIFICANT	75
25	5	1951	2042	42.5N	14.1E		4.8		UNKNOWN	75
27	9	1538		40.6N	14.1E				SEVERE	151
		1582		40.6N	14.1E				MODERATE	151
30	7	1626		40.4N	14.1E			70,000	SEVERE	73
5	12	1455		40.4N	14.1E			40,000	UNKNOWN	73
15	4	1978	2333	38.5N	14.1E	33	5.8	5	LIMITED	132
		1198		40.6N	14.1E				UNKNOWN	151
17	12	1750		45.2N	14.2E		IX	MANY	SEVERE	93
13	10	1791		40.2N	14.2E		VIII		MODERATE	93
31	10	1967	2109	37.5N	14.2E		5.4		UNKNOWN	75
										ITALY: ANCONA
										ITALY: MARSIA, ABRUZZ
										CIVIDALE
										PALERMO
										ITALY: PALERMO, MARSALA, MAZZARA
										AUSTRIA: VILLACH, GAIL
										ITALY: MARCHES
										ITALY: AVITO, BELLOMONTE, PONTE-CORVO
										CENTRAL EUROPE: PROBABLY KARTEN
										ITALY: CARINTHIE
										ITALY: S. GERMANO
										ITALY: MOLISE
										ITALY: ISCHIA I.
										ITALY: ISCHIA
										CASAMICCIOLA
										CASSAMICCIOLA, FORIO, LACCO AMENA, ISLAND OF ISC
										S. ITALY
										ITALY: CASAMICCIOLA (ISCHIA)
										ITALY
										ITALY: CASAMICCIOLA (ISCHIA)
										ITALY: ISCHIA
										ITALY
										ITALY: MADONIA
										ADRIATIC COAST
										IDRIJA
										ITALY: PUZZUOLO
										ITALY: PUZZUOLO
										NAPLES
										NAPLES
										ITALY: PUZZUOLO
										YUGOSLAVIA: FIUME
										ITALY: CAPRI

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
26	9	1933	0333	42.0N	14.2E	N	IX	10	MODERATE	4,63
29	5	1920	1912	43.1N	14.3E		5.0		UNKNOWN	75
14	4	1964	0635	39.0N	14.3E	300	4.3		UNKNOWN	75
2	9	1882		40.9N	14.4E			11	LIMITED	99
14	4	1895		46.1N	14.5E		IX		3	93 ITALY YUGOSLAVIA: LJUBLJANA
5	12	1456		40.4N	14.5E			30,000	UNKNOWN	2,51
14	3	1702		41.1N	14.5E		X	150	MODERATE	93
5	6	1688		41.1N	14.5E		XI	3,311	SEVERE	93
23	12	1965	1529	40.4N	14.5E	320	4.4		UNKNOWN	75
26	3	1930		38.6N	14.6E		IX		MODERATE	93
4	12	1456		41.2N	14.6E		XI	27,000	EXTREME	93
3	11	1706		41.6N	14.6E#			15,000	UNKNOWN	73
3	11	1706		41.6N	14.6E					55
3	11	1706		41.6N	14.6E#		X	1,000	SEVERE	93
		1619		52.3N	14.6E			MANY	SEVERE	151
										GERMANY: NEAR FRANKFURT
31	7	1561		40.5N	14.7E			600		55,151
26	7	1805		41.2N	14.7E			6,000	UNKNOWN	73
26	7	1805		41.2N	14.7E					55
26	7	1805	2057	41.2N	14.7E		XI	5,600	EXTREME	99
26	7	1805		41.2N	14.7E		X	6,573	SEVERE	93
										ITALY: MOLISE, TERRE DE LABOUR, ISERNI
10	2	985		41.1N	14.8E				MODERATE	151
17	8	1926	0143	39.0N	14.8E	100	5.8		SEVERE	1,93
30	5	1920	1011	43.0N	15.0E		4.9		UNKNOWN	75
15	6	1920	1403	43.0N	15.0E		4.4		UNKNOWN	75
18	8	1973	2238	37.7N	15.0E		3.5		0.5	39
23	11	1954	1300	38.3N	15.0E	240	5.8		UNKNOWN	75
14	4	1947	1453	42.3N	15.0E		4.2		UNKNOWN	75
10	9	1952	0417	39.0N	15.0E		5.3		UNKNOWN	75
		614		41.0N	15.0E&			THOUSANDS	SEVERE	151
6	8	1757		37.0N	15.0E		IX	10,000	SEVERE	51,55,93
		1417		41.0N	15.0E&				SEVERE	151
20	2	1818	1810	37.6N	15.0E		X	72	MODERATE	99
17	7	1879		37.5N	15.0E		X	10	MODERATE	99
19	7	1865	0100	37.7N	15.1E		IX	60	LIMITED	99
9	1693			37.3N	15.1E#			100,000	SEVERE	73
										SICILY
11	1	1693		37.3N	15.1E			60,000	UNKNOWN	3,51
9	1	1693		37.3N	15.1E		XI	93,000	SEVERE	93
21	1	1065		38.1N	15.1E		X	975	SEVERE	93
		1137		37.3N	15.1E			15,000	UNKNOWN	73
17	9	1943	0339	39.3N	15.1E		5.5		UNKNOWN	75
										SICILY: CATANIA
31	7	1947	0755	39.1N	15.1E		5.6		UNKNOWN	75
1	9	1947	2219	39.1N	15.1E		5.2		UNKNOWN	75
13	4	1938	0245	39.2N	15.1E	290	7.1		UNKNOWN	75

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
23	7	1930	0008	41.1N	15.2E		6.5	1,430	SEVERE	3,93
20	8	1941	1036	41.4N	15.2E		5.1		UNKNOWN	75
19	7	1950	1900	38.2N	15.2E		4.4		UNKNOWN	75
4	9	1964	0147	39.2N	15.2E	260	4.2		UNKNOWN	75
10	12	1542		37.2N	15.2E		X		SEVERE	93
										ITALY: SIRACUSA,MILITELLO,CATANIA,NICOSIA
29	11	1732		41.1N	15.2E					55
29	11	1732		41.1N	15.2E#		XI	1,940	SEVERE	73,93
9	4	1853		40.9N	15.2E		IX	12	MODERATE	93
11	1	1848		37.2N	15.2E		XI		MODERATE	99
14	8	1846		37.0N	15.3E#		XI	20	SEVERE	93
										ITALY: ORCIANO
7	8	1846		37.0N	15.3E		IX		MODERATE	93
31	7	1561		40.8N	15.3E		X	550	MODERATE	93
		1086		37.0N	15.3E			THOUSANDS	SEVERE	151
24	3	1961	1036	38.0N	15.3E	N		15	MODERATE	40
5	4	1911	1528	39.3N	15.3E	200	6.3		UNKNOWN	75
23	7	1930	2330	41.1N	15.4E			1,425		59
23	7	1930	0008	41.1N	15.4E	7	X	1,425	SEVERE	63
26	4	1783		38.1N	15.4E				UNKNOWN	5
4	2	1163		37.4N	15.5E					55
15	9	1590		48.3N	15.5E		X	MANY	SEVERE	93
										ITALY: IRPINIA
21	8	1962	1819	41.4N	15.5E	34	6.1	16	MODERATE	40,75
4	7	1947	2008	40.5N	15.5E		4.5		UNKNOWN	75
28	12	1908	0436	38.3N	15.6E			58,000	EXTREME	59
28	12	1908		38.2N	15.6E		7.5	75,000	EXTREME	5,145
17	7	1361		40.3N	15.6E		X	4,000	SEVERE	93
										ITALY: CALABRIA,MESSINA
19	1	1784		38.2N	15.6E				UNKNOWN	5
11	6	1783		38.1N	15.7E				UNKNOWN	5
11	9	1831		38.1N	15.7E		IX	3		93
14	8	1851		41.0N	15.7E#		X	671	SEVERE	93
14	8	1851	0123	41.0N	15.7E			62	SEVERE	4,55
										ITALY: FOSSA,CATONA (TSUNAMI)
14	8	1851		41.0N	15.7E#			14,000	SEVERE	73
8	9	1694		40.7N	15.7E		X	4,057	SEVERE	93
11	3	1978	1920	38.1N	15.7E	33	5.0MB	2	MODERATE	132
4	2	1169		38.1N	15.7E			14,000	UNKNOWN	51
4	2	1169		38.1N	15.7E		X	16,000	EXTREME	93
										S. ITALY: MELFI
										ITALY: CALITRI
		1230		38.1N	15.7E				UNKNOWN	5
7	9	1920	0000	38.1N	15.7E		0.0	1,400	SEVERE	2
5	10	1970	2324	44.0N	15.7E	49	5.0		MODERATE	39
27	3	1638		38.8N	15.8E		XI	9,500	SEVERE	93
30	7	1627		41.2N	15.8E		X	5,000	SEVERE	93
										ITALY: COSENZA,MARTIRANO,SANTA EUFEMIA
20	11	1836	0700	40.1N	15.8E		IX	12	LIMITED	99
20	11	1836		40.1N	15.8E#		IX	21	MODERATE	93
12	10	1791		38.2N	15.8E			15	MODERATE	5
										ITALY: BASILICATE
										ITALY: MONTELEONE

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
7	2	1783	0445	38.2N	15.8E				UNKNOWN	5	ITALY: PALMI
28	11	1869		38.2N	15.8E				LIMITED	5	ITALY: MONTELEONE
16	11	1894	1748	38.3N	15.8E#		IX	101	MODERATE	93,99	ITALY: PALMI,S. CRISTINA
16	11	1894	0752	38.3N	15.9E			101	SEVERE	5	ITALY: PALMI
7	2	1783	0330	38.3N	15.9E				UNKNOWN	5	ITALY: PALMI
6	2	1783	0215	38.3N	15.9E			1,504	UNKNOWN	5	ITALY: PALMI (TSUNAMI)
				38.7N	15.9E					55	ITALY: CALABRIA,MESSINA
5	2	1783	1300	38.3N	15.9E			30,000	EXTREME	5	ITALY: CALABRIA AT PALMI
10	9	1481		42.0N	15.9E				SEVERE	151	ITALY: RODI
27	3	1638		38.3N	15.9E			9,571	EXTREME	5	ITALY: CALABRIA
16	12	1857		40.3N	16.0E#		X	13,488	SEVERE	93	ITALY: MONTEMURRO,SAPONARA,VIGGIANO,MARSICO
16	12	1857	2100	40.3N	16.0E		X	11,000	EXTREME	99	ITALY
16	12	1857		40.3N	16.0E#		6.5	10,000	UNKNOWN	3,51	ITALY: CAMPANIA
16	12	1857		40.3N	16.0E#					55	ITALY: BASEILICATA,SALERNO
16	12	1857		40.3N	16.0E#		6.5	12,000	UNKNOWN	3	ITALY: CAMPANIA
3	4	1946	1701	39.5N	16.0E		4.2		UNKNOWN	75	
7	3	1928	1055	38.8N	16.0E		6.0	SOME	MODERATE	1,93	SICILY: CALABRIA
8	9	1905	0143	39.0N	16.0E		X	557	SEVERE	4,93	ITALY: MONTELEONE,TROPEA,NONTE PORO
23	10	1907	2028	38.0N	16.1E		N	X	SEVERE	4,93	ITALY: FERRUZANO,AOPARTO,S. ILARIO,BIANCANOVA
17	5	1949	1356	41.3N	16.1E		4.2		UNKNOWN	75	
17	6	1967	1543	41.4N	16.1E		4.4		UNKNOWN	75	
12	10	1791		38.5N	16.1E		IX	15	MODERATE	93	ITALY: MONTELEONE,SORIAN
1	3	1783	0315	38.7N	16.1E				SEVERE	5	ITALY: MONTELEONE
5	2	1783		39.3N	16.2E			MANY	SEVERE	73	ITALY: MESSINA,SICILY
				39.3N	16.2E			60,000	UNKNOWN	2	CALABRIAY
5	2	1783		39.3N	16.2E		XI	30,145	EXTREME	93	ITALY: CALABRIA
12	2	1854		39.3N	16.2E			232	MODERATE	99	ITALY
4	2	1783		39.3N	16.2E			50,000	UNKNOWN	7	ITALY: CALABRIAY
4	2	1783		39.3N	16.2E			30,000	UNKNOWN	3,7,51	ITALY: CALABRIAY
27	3	1638		39.3N	16.2E			19,000	EXTREME	62	ITALY: CALABRIA,COSENZA
14	7	1767		39.3N	16.2E				MODERATE	62	ITALY: CALABRIA,COSENZA
14	7	1767		39.3N	16.2E#		X	40	SEVERE	93	ITALY: CRATI
27	3	1638		38.9N	16.2E					55	ITALY: OPPIDO TO BISIGNANO
28	6	1913	0853	39.6N	16.2E		IX		MODERATE	4,93	ITALY: COSENZA,ROGLIANO,BISIGANO
				38.6N	16.3E				SEVERE	5	ITALY: NICASTRO
5	9	1590		45.9N	16.3E		X	MANY	SEVERE	93	HUNGARY: NAGY KANIZSA/YUGOSLAVIA:ZAGREB
1	1688			40.2N	16.3E		X	2,000	SEVERE	93	PISTICCIO
				39.3N	16.3E				SEVERE	5	ITALY: COSENZA
12	10	1835		39.4N	16.3E			126	SEVERE	5	ITALY: CASTIGLIONE
12	10	1835		39.3N	16.3E		XI	100	MODERATE	93	ITALY: CASTIGLIONE,COSENZA,CRATI
12	2	1854		39.3N	16.3E			472	SEVERE	5	ITALY: COSENZA
12	2	1854		39.3N	16.3E		X	468	SEVERE	93	ITALY: CONNICI,COSENZA,PIETRAFITTA,PATERNO
29	7	1783		38.3N	16.3E				SEVERE	5	ITALY: GERACE

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
14	10	1784		38.3N	16.3E				UNKNOWN	5	ITALY: GERACE
12	10	1835	2300	39.3N	16.3E		XI	27	MODERATE	99	ITALY
3	12	1887		39.6N	16.3E				MODERATE	5	ITALY: BISIGNANO
5	10	1870		39.3N	16.3E			117	MODERATE	5	ITALY: COSENZA
5	10	1870		39.2N	16.3E		IX	136	SEVERE	93	ITALY: SILA,MANGONE,LANGOBUCCO,COSENZA,ROSSARIO
4	10	1870	1700	39.2N	16.3E		X	250	MODERATE	99	ITALY
27	3	1783	2000	38.7N	16.4E			1,141	SEVERE	5	ITALY: MONTELEONE
16	9	1857		39.4N	16.4E			10,000	SEVERE	73	CALABRIA,MONTEMURRO
3	1626			38.8N	16.4E				SEVERE	5	ITALY: GIRIFALO
8	9	1905		39.4N	16.4E		7.9	2,500	UNKNOWN	3	
5	11	1659	1700	38.9N	16.6E			2,035	SEVERE	5,93,151	ITALY: UMBRIATICO,PANAIJA,FILOGASI,POLIA
24	4	1836		39.6N	16.6E		X	589	SEVERE	93,99	ITALY: ROSSANO,CROSIO,CRACO,BASILICATE
2	7	1898	0420	43.6N	16.7E		XI	SOME	LIMITED	99	YUGOSLAVIA
8	3	1832		39.0N	16.8E		X	234	0.1	93	ITALY: CUTRO,POLICASTRO,CANTANZARO,CIRO
8	3	1832	1800	39.0N	16.8E		X		MODERATE	99	ITALY
29	1	1943		44.3N	17.0E			19	LIMITED	41	YUGOSLAVIA: BOSNIA
7	1	1962	1003	43.3N	17.1E	33	6.0	4	MODERATE	40	
11	1	1962	0505	43.3N	17.1E	33	5.8	1	MODERATE	29	
27	10	1969	0810	44.9N	17.2E	N	6.4	9	SEVERE	39	
26	10	1969	1536	44.9N	17.3E	33	6.2	20	SEVERE	11,39	
26	2	1947	0542	41.0N	17.3E		5.0		UNKNOWN	75	
12	3	1965	2019	38.5N	17.4E	73	4.6		UNKNOWN	75	
11	5	1947	0632	38.5N	17.5E				MODERATE	18	
5	12	1456		40.6N	18.0E			40,000	EXTREME	151	ITALY: BRINDISC
28	6	1763		47.5N	18.1E		X	83	LIMITED	93	HUNGARY: KOMARNO,GYOR
6	4	1667		42.4N	18.1E		X	5,000	SEVERE	55,73,93	YUGOSLAVIA: DUBROVNIK,RAGUSA,DALMATIA
13	4	1964	0830	45.3N	18.1E	32	6.0	3	SEVERE	9,40	
22	4	1938	1102	43.0N	18.1E		6.0		UNKNOWN	4	
10	1823			42.7N	18.2E		IX	MANY	MODERATE	93	YUGOSLAVIA: DUBROVNIK
11	6	1962	0715	43.6N	18.3E	N	6.3	0	40	40	
12	10	1926		42.6N	18.5E		IX	0	1.1	93	YUGOSLAVIA,BERANE,MONTENEGO
15	1	1858		49.2N	18.8E		IX		0.05	93	CZECH. OR HUNGARY: ZILINA(ZSOLNA)
24	5	1979	1723	42.3N	18.8E	33	6.1	0	UNKNOWN	131	YUGOSLAVIA
28	11	1858		44.4N	19.0E		IX		UNKNOWN	99	YUGOSLAVIA
15	4	1979	0619	42.1N	19.1E	33	7.0	156	EXTREME	131	YUGOSLAVIA
5	6	1443		48.5N	19.1E		X	30	UNKNOWN	93	CZECH.: BANSKA,STYAVNICA
		518		42.5N	19.3E				SEVERE	149	DIOKLECIA
21	11	1930		40.3N	19.3E		X	35	SEVERE	93	ALBANIA: VLORE,HIMARE
3	11	1968	0449	42.1N	19.3E	17	5.3	1	MODERATE	39	
12	1	1956	0546	47.5N	19.3E		5.8	2	SEVERE	8	
18	3	1962	1530	40.9N	19.5E	33	6.0	15	MODERATE	2,40	
21	11	1930	0200	40.5N	19.5E	4	6.0	35	MODERATE	4,109	ALBANIA: VLORE,HIMARE,KUC
3	7	1855		42.0N	19.5E		X		MODERATE	99	ALBANIA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
2	3	1866	1400	40.4N	19.5E		IX	20	LIMITED	99	ALBANIA
28	2	1866		40.5N	19.5E		IX	9	LIMITED	99	ALBANIA
2	1	1866	0900	40.4N	19.5E		X	60	UNKNOWN	99,109	ALBANIA: NARTA,VLORE,KANINA
5	2	1786		39.5N	19.6E			120		55	GREECE: CORFU,ARGO
1	1	1674		39.4N	19.6E		IX	200	UNKNOWN	93	GREECE: KERKYRA
2	12	1930	1329	40.3N	19.6E		4 IX	25	MODERATE	4,109	ALBANIA: VLORE,TEPELENE
1	6	1905		42.1N	19.6E#		X	120	23.8	93	ALBANIA: SHKODER
1	6	1905	0442	42.1N	19.6E		X	120	SEVERE	1,4,109	ALBANIA: SHKODER
29	9	1969	2003	32.9S	19.7E		N 6.3	12	24	11,39	
1	9	1959	1137	40.9N	19.7E		5.9	2	SEVERE	24	
14	6	1893		40.2N	19.7E		7.5		SEVERE	99	ALBANIA
11	2	1872		39.6N	19.8E		X	SOME	SEVERE	93	GREECE: CORFU (KERKYRA)
5	2	1786		39.6N	19.8E		X	126	UNKNOWN	93	GREECE: KERKYRA
1	9	1959	1137	40.9N	19.8E		N 6.1	2	SEVERE	40	
3	4	1969	2212	40.7N	19.8E		33 5.5	1	MODERATE	11	
12	10	1851	0600	40.6N	19.9E#		IX	2,000	SEVERE	51,55,93,99	EUROPEAN,TURKEY,ALBANIA,VALONA,BERATTI
17	10	1851		40.7N	20.0E		X	400	MODERATE	99	BERAT
30	7	1854		39.7N	20.0E		X	MANY	UNKNOWN	93	GREECE: SULI TO DELVINON
26	5	1960	0510	40.0N	20.0E		6.5	8	MODERATE	25	
26	11	1920	0851	40.5N	20.0E		N X	200	UNKNOWN	4,109	TEPELENE,GJIROKASTER,KORCE
1	3	1906		41.1N	20.1E		X		SEVERE	93	ALBANIA: ELBASAN
10	10	1858	0800	40.0N	20.1E		X		MODERATE	99	ALBANIA
4	12	1866		40.1N	20.1E		6.7		MODERATE	99	ALBANIA
17	1	1897		40.0N	20.1E		IX		MODERATE	99	ALBANIA
6	11	1979	0526	39.8N	20.1E		33 5.4	1	SEVERE	131	GREECE-ALBANIA
4	2	1867		38.4N	20.2E#		XI	224	3	93	CEPHALONIA
4	2	1867	0300	38.4N	20.2E		7.9	200	SEVERE	99	GREECE
20	1	1851		41.2N	20.2E		IX		MODERATE	99	ALBANIA
31	1	1925		47.5N	20.2E		IX		0.354	93	HUNGARY: EGER
24	3	1922		44.5N	20.3E		XI	MANY	SEVERE	93	YUGOSLAVIA: BELGRADE
17	9	1972	1407	38.2N	20.3E		33 6.4		MODERATE	39	
22	10	1791		37.5N	20.3E		X	22	SEVERE	93	GREECE: ZANTE
5	11	1633		37.5N	20.3E		X	MANY	SEVERE	93	GREECE: ZANTE
19	1	1825		38.6N	20.4E		X	58	SEVERE	93	GREECE: AMAXIKI,PREVEZA
4	11	1973	1552	38.8N	20.4E		8 5.8		MODERATE	39	
30	11	1967	0723	41.5N	20.5E		29 6.5	18	SEVERE	11	
30	6	1948	1221	38.5N	20.5E		6.4	6	MODERATE	12	
28	1	1931		40.4N	20.5E		IX	90	SEVERE	93	ALBANIA: KORCE
22	12	1919		39.4N	20.5E		IX		SEVERE	93	JANINA,KONITZA
17	3	1820		38.8N	20.5E		N IX		MODERATE	99	GREECE: LEVKAS
14	5	1895	0400	39.5N	20.5E		N 7.5	MANY	SEVERE	99	GREECE
22	7	1630		38.3N	20.5E		IX	MANY	SEVERE	93	GREECE: LEVKAS,CEPHALONIA,ITHACA
30	9	1636		38.0N	20.6E		X	520	UNKNOWN	93	GREECE: CEPHALONIA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
13	10	1969	0102	39.8N	20.6E	8	5.6		LIMITED	39	
31	7	1898	0440	39.7N	20.7E	N	6.2		MODERATE	99	GREECE: OANNINA
19	1	1825	1100	38.8N	20.8E	N	XI	34	MODERATE	99	GREECE
19	6	1823		39.8N	20.8E		XI		SEVERE	99	GREECE
4	12	1967	0049	41.2N	20.8E	33	4.8		SEVERE	39	
12	8	1953	0923	38.3N	20.8E		7.3	800	100	16	
9	8	1953	0741	38.3N	20.8E		6.8		UNKNOWN	40	
12	8	1953	0923	38.3N	20.8E		6.5	445	EXTREME	40	
28	1	1931	0555	40.6N	20.8E	N	IX	100	UNKNOWN	4,109	KORCE
31	1	1893	0230	37.7N	20.9E	N	6.4		MODERATE	99	GREECE
17	4	1893	0437	37.7N	20.9E	N	6.4		SEVERE	99	GREECE: ZAKINTHOS
30	10	1840		38.0N	21.0E#		X	12	SEVERE	93	ITALY: ZANTE
14	3	1862		38.1N	21.0E		IX		MODERATE	93	CEPHALONIA
30	10	1840		38.0N	21.0E			12	MODERATE	99	ITALY
27	8	1942	614	42.0N	21.0E		5.6	43	SEVERE	1,109	PESHKOPIA
21	2	1963	1714	32.6N	21.0E	5	5.3	300	5	10,51	
12	3	1960	1154	42.0N	21.0E		5.6	1	LIMITED	25	
29	10	1966	0239	38.9N	21.0E	20	6.0	1	SEVERE	39	
1	5	1967	0708	39.5N	21.2E	5	5.9	9	SEVERE	39	
6	1	1821	1715	37.8N	21.2E		X	MANY	MODERATE	99	GREECE
29	12	1820		37.8N	21.2E			400		56	INDONESIA: SUMBAWA (TSUNAMI)
29	12	1820	0330	37.8N	21.2E		X	8	LIMITED	99	GREECE
28	8	1886		37.0N	21.2E#			300	SEVERE	73	MOREA, ISLAND OF ZANTE
27	8	1886	2030	37.0N	21.2E		8.4	326	SEVERE	99	GREECE
27	8	1886		37.0N	21.2E#		IX	600	SEVERE	93	GREECE: PHILIATRA, TRIPHYLIE, MARATHOS
		521		39.6N	21.2E				SEVERE	149	DURRES, CORINTH
26	7	1963	0417	42.1N	21.5E	5	6.0	1,070	300	51	
26	7	1963	0417	42.1N	21.5E	5	6.0	1,070	500	40	YUGOSLAVIA: SKOPJE
5	2	1966	0201	39.1N	21.7E	22	6.3	1	SEVERE	39	
22	1	1899	0649	37.2N	21.7E	N	6.7		LIMITED	99	GREECE
30	1	1785		38.2N	21.7E		IX	38	UNKNOWN	44,93	GREECE: PATRAS, ZANTE
8	6	1804	0130	38.2N	21.8E		X	SOME	UNKNOWN	99	GREECE
5	4	1965	0312	37.7N	21.8E	34	6.2	18	SEVERE	40,41	
3	2	1897	0400	42.6N	21.9E		VII		LIMITED	99	YUGOSLAVIA
11	6	1846		37.1N	22.0E		X	28	0.8	93	GREECE: MESSENIA
10	6	1846		37.0N	22.0E	N	XI	30	SEVERE	99	
13	4	1978	1805	43.0N	22.0E	38	4.6MB		MODERATE	132	
28	8	846		32.0N	22.0E&				UNKNOWN	98	NORTH AFRICA
4	1	1967	0558	38.4N	22.0E	10	6.0		MODERATE	39	
6	10	1947	1955	36.9N	22.0E		7.8			4	
13	4	1955	2045	37.5N	22.0E				MODERATE	40	
20	4	1954		39.8N	22.1E		7.0	25	UNKNOWN	2	
1	9	1966	1422	37.5N	22.1E	28	5.2		MODERATE	39	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
8	8	1303		37.3N	22.1E			10,000	EXTREME	51,55,98	ALEXANDRIA,ACRC,PELOPONNESUS,CANDIA,ADRIATIC
9	9	1883	1415	38.2N	22.1E		N 5.8	SOME	MODERATE	99	GREECE
18	4	1842	0700	36.5N	22.2E			IX	UNKNOWN	99	GREECE
26	12	1861		38.2N	22.2E#			X	0.04	93	GREECE: ACHAIE,VALYMITIKA,TRIPIA
26	12	1861	0500	38.2N	22.2E		N 7.5	17	MODERATE	99	GREECE
30	4	1954	1302	39.3N	22.2E			7.0	31	40	
31	3	1965	0947	38.6N	22.4E		78	7.1	6	40	
30	9	1870	2300	38.5N	22.5E			7.5	100	99	GREECE
11	10	368		39.5N	22.5E					149	NIKEA
6	7	1965	0318	38.7N	22.6E		28	6.6	1	40	
8	3	1957	1221	39.3N	22.6E			6.9	2	40	
26	11	1957	0815	39.3N	22.7E					40	
28	8	1962	1059	37.8N	22.9E		100	6.8	1	40,75	
	12	856		37.9N	22.9E				4,000	51	GREECE: CORINTH,PATRAS
	12	856		37.9N	22.9E				45,000	2,7,55,149	GREECE: CORINTH,PATRAS
7	6	1750		36.2N	23.0E			X	2,000	2,55,93	GREECE: MOREA,CERIGO
	11	1783		40.6N	23.0E					149	THESSALONIKI
21	2	1858	0730	38.0N	23.0E			X	19	93,99	GREECE: VIEILLE,CORINTHE,HEXAMILIA
5	9	1953	1418	38.0N	23.0E			5.8		40	
19	4	1955	1647	39.5N	23.0E			6.3	8	14,40	
21	4	1955	0718	39.5N	23.0E				7	14	
2	11	1956	1604	39.0N	23.0E			5.8		40	
21	2	1955	1946	39.0N	23.0E				2	14	
11	8	1903	0432	36.0N	23.0E		100	8.3			
5	1	1908	1440	48.6N	23.1E		5	4.7		44	
27	4	1894	1742	38.7N	23.1E		N	6.9	255	99	GREECE
19	6	1978	1031	40.8N	23.1E		10	5.2MB	1	132	
20	6	1978	2003	40.8N	23.2E		13	6.4	50	132	
4	7	1978	2223	40.8N	23.2E		33	4.8MB	1	132	
20	4	1894	1452	38.6N	23.2E			6.7		99	GREECE
20	4	1894		38.6N	23.2E#			X	255	93	GREECE: LOCRIDE
23	5	1893		38.3N	23.3E			IX	2	93	GREECE: THEBES
14	9	1962	0033	39.6N	23.3E			4.25		71	
14	9	1962	0033	39.6N	23.3E#			5.5		141	BALIKESIR
23	5	1978	2334	40.8N	23.4E		33	5.3		132	
22	5	1722		38.0N	23.4E			IX	MANY	93	GREECE: ATHENS
18	8	1853	0700	38.2N	23.5E			XI	20	99	GREECE
26	6	1759		41.0N	24.0E					149	THESSALONIKI;PLOVDIV
		344		38.0N	24.0E					149	RHODES: DURRES,CAMPANIA
9	3	1965	1757	39.4N	24.0E		18	6.4	2	30	
6	4	1942		42.0N	24.0E&				0	41	BULGARIA
14	4	1928		42.2N	24.2E#				107	51	BULGARIA: PLOVDIV PROVINCE
14	4	1928	0900	42.2N	24.2E			6.8		6	



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
		1276		43.4N	24.2E				UNKNOWN	149 ROMANIA: CRAIOVA,ARCESEI
		52		41.0N	24.3E				SEVERE	149 PHILIPPI: BETW. DRAMA AND KAVALLA
		170		39.0N	24.5E				SEVERE	149 VITINIA AND HELLESPOINT
5	5	1829		41.2N	24.5E				MODERATE	99 GREECE
4	3	1967	1758	39.2N	24.6E	33	7.0		LIMITED	11
19	2	1968	2245	39.4N	25.0E	7	7.5	20	MODERATE	11,39
16	2	1810		35.5N	25.0E		X	2,000	SEVERE	2,51,55,93,99 CANDIE,CRETE
12	10	1856		35.5N	25.0E		X	20	MODERATE	93 CRETE: CANDIE
		1201		39.0N	25.0E			100,000	UNKNOWN	2 AEGEAN SEA
29	5	1508		35.2N	25.1E		X	300	MODERATE	93 CRETE: MEGALOKASTRON (CANDIE)
		10 1780		35.2N	25.1E				LIMITED	55 GREECE: CANDIA ISLAND
21	7	365		35.3N	25.2E			50,000	UNKNOWN	51 CRETE: KNOSSOS
1	7	1494	PM	35.5N	25.5E				UNKNOWN	149 HERAKLION
9	2	1893	1600	40.5N	25.5E		N 5.9		MODERATE	99 SAMOTHRAKI
21	8	1859		40.2N	25.8E		IX		SEVERE	71 TURKEY
9	7	1956	0311	36.7N	25.8E		7.8	53	SEVERE	3,40 (TSUNAMI)
11	10	1856	2300	35.5N	26.0E		XI	538	SEVERE	99 CRETE
25	10	1889	2129	39.2N	26.0E		N 6.9	25	MODERATE	99 LESVOS
3	4	1880		38.3N	26.0E			3,541	UNKNOWN	51 GREECE: CHIOS
		8 1384		39.0N	26.0E			500	UNKNOWN	2,55 LESBOS,AEGEAN SEA
		10 1491		38.3N	26.0E			5,000		55 GREECE: ISLAND OF COS
		3 1880		38.4N	26.1E		IX	4,000	SEVERE	71 CHIOS
15	10	1883	1330	38.4N	26.1E		7.3	120	MODERATE	99 CHIOS
26	11	1829		44.2N	26.1E		X		SEVERE	93 ROMANIA: BUCAREST
16	8	1863		38.2N	26.2E		VIII		SEVERE	99 KHADRA,KHIOS
3	4	1881		38.2N	26.2E#			4,000	SEVERE	73 SCIO
3	4	1881	0930	38.2N	26.2E		N 7.3	7,866	EXTREME	99 CHIOS
3	4	1881		38.2N	26.2E#			4,181		55 ASIA MINOR: NEVITA,CHIOS I.,KASTRO
15	10	1883		38.3N	26.2E		IX	15,000	SEVERE	55,71 GREECE: ASIA MINOR: AVALIK,VURLA,CHESMEK
23	7	1949	1503	38.7N	26.2E		6.8	2	MODERATE	153
18	6	1953	0544	41.4N	26.3E		5.75		LIMITED	71
18	6	1953	0544	41.4N	26.3E#			37	MODERATE	141 EDIRNE
7	3	1867		39.3N	26.3E				MODERATE	55,71 ASIA MINOR: MITYLENE,LESBOS
23	7	1949	1503	38.5N	26.5E#			7	SEVERE	141 KARABURUN
23	7	1949	1503	38.5N	26.5E		6.8	1	SEVERE	17,71
2	5	1953	1837	38.6N	26.5E		5.75		UNKNOWN	71
23	1	1838	1836	45.7N	26.6E	150	6.9	8	MODERATE	44,99 USSR: CARPATHIAN FOLD,VRANCH REGION
26	10	1802	1055	45.7N	26.6E	150	7.4		MODERATE	44 USSR: CARPATHIAN FOLD,VRANCH REGION
7	3	1867	1400	39.1N	26.6E		N 6.7	500	SEVERE	99 MITILINA
16	11	1509		41.7N	26.6E				MODERATE	149 EDIRNE
8	12	1976	0838	27.9S	26.6E	33	5.2	4	MODERATE	41
		93		40.6N	26.7E			MANY	SEVERE	149 HELLESPOINT
4	3	1977	1921	45.7N	26.7E	94	7.2	1,500	800	42,51 RUMANIA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
6	10	1944	2134	39.4N	26.7E		X	30	MODERATE	71	
6	10	1944	2134	39.4N	26.7E		7.2	30	SEVERE	141	
29	3	1963	0309	40.3N	26.7E		4.4		UNKNOWN	71	
21	9	1939	0037	39.1N	26.8E		6.5	41	MODERATE	71	
10	11	1940	0139	45.8N	26.8E	150	7.3	1,000	10	2,4,44	
10	7	1668		38.4N	26.9E		X	17,500	SEVERE	71	TURKEY
9	8	1912	0129	40.5N	27.0E		7.8	1,950	UNKNOWN	1,3	
6	10	1944	0235	39.0N	27.0E			50	UNKNOWN	41	TURKEY
9	2	1948	1258	35.5N	27.0E	40	7.1		LIMITED	12	
16	7	1955	0707	37.5N	27.0E		6.8	4	SEVERE	14	
23	2	1653		38.3N	27.1E			8,000	UNKNOWN	51	W.TURKEY: IZMIR
23	2	1653		38.3N	27.1E			15,000	UNKNOWN	2,51	W.TURKEY: IZMIR
		1653		38.4N	27.1E			2,500		55	ASIA MINOR: SMYRNA
10	7	1688		38.4N	27.1E			17,500		55	ASIA MINOR: SMYRNA
5	7	1688		38.3N	27.1E			15,000	UNKNOWN	2	AEGEAN COAST: IZMIR
9	12	1977	1553	38.3N	27.1E	19	4.6	0	UNKNOWN	140	
29	6	1880		38.6N	27.1E		IX		SEVERE	71	TURKEY
29	7	1880	0240	38.6N	27.1E		6.7	30	LIMITED	99	TURKEY
		1895		38.6N	27.1E		IX		INSIGNIFICANT	71	TURKEY
		688		38.4N	27.2E		IX		SEVERE	71	TURKEY
		1668		38.5N	27.2E		IX	2,000	MODERATE	71	TURKEY
16	7	1955	0707	37.6N	27.2E		6.8	3	MODERATE	40,71	
9	8	1912	0129	40.7N	27.2E		7.75	216	SEVERE	71	
		17		37.9N	27.3E		X		SEVERE	71	TURKEY
30	3	1928	0942	38.1N	27.4E		6.25		LIMITED	71	
31	3	1928		38.1N	27.4E		VII	170	SEVERE	141	TEPEKOY, TORBALI
18	3	1953	1906	40.0N	27.4E		7.5	1,070	UNKNOWN	138	TURKEY: ONON
18	3	1953	1906	40.0N	27.5E		7.3	1,103	3.57	16,40	
18	3	1953		40.0N	27.5E		7.4	49	MODERATE	120	
4	1	1935	1441	40.5N	27.5E		6.25	5	MODERATE	71,141	
9	1	1941	1813	38.0N	27.5E		5.2		LIMITED	4	
26	6	1926	1946	36.5N	27.5E	100	8.3				
18	11	1919	2154	39.6N	27.7E		7.0		UNKNOWN	4	
6	9	543		40.4N	27.8E		IX		LIMITED	71	TURKEY
22	7	1880		38.1N	27.8E		6.1	MANY	LIMITED	99	TURKEY
		11	1444	43.2N	27.9E				MODERATE	149	BULGARIA: VARNA
22	4	1863	1830	36.5N	28.0E		6.7		MODERATE	55,99	ASIA MINOR: RHODES ISLAND, COS ISLAND
28	3	1969		38.0N	28.0E		5.7	53	SEVERE	120	
15	6	1970	0424	26.1S	28.1E	N	5.4	9	UNKNOWN	39	
20	9	1899		37.9N	28.1E		X	MANY	SEVERE	71	TURKEY
23	2	1653		38.2N	28.2E		X	2,500	SEVERE	71	TURKEY
6	10	1964	1431	40.3N	28.2E	10	7.0	36	SEVERE	9,71	
6	10	1964	1431	40.3N	28.2E		7.0	19	UNKNOWN	138	TURKEY: MANYAS

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
15	11	1942	1701	39.2N	28.2E		VIII	6	LIMITED	71
15	11	1942	1701	39.2N	28.2E#		VIII	6	MODERATE	141
28	3	1969	0148	38.6N	28.4E	9	6.5	53	SEVERE	39
24	4	1957	1910	36.0N	28.5E		6.9		MODERATE	40
		225 B.C.		36.0N	28.5E				SEVERE	147
										RHODES
25	4	1957	0225	36.5N	28.6E	53	7.1	18	MODERATE	2,40
16	1	1971	0900	1.4S	28.6E	18	5.0	1	UNKNOWN	32
23	5	1961	0245	36.5N	28.6E		6.7		UNKNOWN	71
25	4	1959	0026	37.0N	28.7E		6.3		MODERATE	71
25	4	1957	0225	36.4N	28.7E		7.1	18	UNKNOWN	138
										TURKEY: FETHIYE
10	7	1894		40.6N	28.7E		IX		LIMITED	2,55,71
28	2	1851	1300	36.5N	28.8E		X		MODERATE	99
19	8	1976	0112	37.7N	28.8E	3	5.0	4	UNKNOWN	41
			715	40.4N	28.9E		IX		MODERATE	71
			29	40.5N	28.9E		IX		SEVERE	71
										TURKEY
										TURKEY
21	12	1945		38.0N	28.9E#		VIII	7	MODERATE	141
21	12	1945		38.0N	28.9E		IX		SEVERE	71
22	9	1960	0905	3.6S	29.0E	28	6.6	24	UNKNOWN	40
	8	815		41.0N	29.0E				UNKNOWN	149
14	12	557		41.0N	29.0E				UNKNOWN	149
										ISTANBUL
										ISTANBUL
25	9	477		41.0N	29.0E			MANY	SEVERE	151
		440		41.0N	29.0E				SEVERE	151
	6	10	557	41.0N	29.0E				UNKNOWN	149
15	8	555		41.0N	29.0E		IX		MODERATE	71
26	10	740		41.0N	29.0E				SEVERE	151
										CONSTANTINOPLE
		732		41.0N	29.0E				UNKNOWN	149
		1490		41.0N	29.0E				UNKNOWN	149
		1659		41.0N	29.0E				UNKNOWN	149
10	5	1556		41.0N	29.0E				MODERATE	149
19	4	1878	0700	40.8N	29.0E		6.7	40	MODERATE	99
										TURKEY: ROSANNA; NEAR ISTANBUL
										TURKEY
29	4	1855		40.2N	29.1E		6.7	1,300	SEVERE	99
11	4	1855	1740	40.2N	29.1E		X	400	MODERATE	99
28	2	1855		40.1N	29.1E		X	300	SEVERE	71
11	4	1855		40.1N	29.1E		X	1,300	SEVERE	71
28	2	1855	0100	40.2N	29.1E		6.7	1,900	MODERATE	99
										TURKEY
		1613		35.3N	29.1E			MANY	UNKNOWN	151
22	9	1960	0538	3.6S	29.1E		5.9		MODERATE	40
11	3	1963	0727	37.8N	29.1E		5.5		UNKNOWN	71
18	9	1963	1658	40.9N	29.2E	33	6.2	1	LIMITED	10,71
14	6	1963		40.1N	29.2E		VI		UNKNOWN	71
										TURKEY
25	4	1957	0225	36.6N	29.2E	50	7.1		SEVERE	71
		60		37.9N	29.2E		IX		SEVERE	71
14	9	1509		40.7N	29.3E		IX	13,000	SEVERE	51,71,73
										TURKEY: ISTANBUL

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
11	5	1875		38.7N	29.4E		6.1	SOME	UNKNOWN	99	TURKEY
13	6	1965	2001	37.8N	29.4E	18	5.9	2	LIMITED	40	
28	3	1970	2102	39.1N	29.4E	20	7.3	1,086	SEVERE	35	
28	3	1970	2102	39.2N	29.5E		7.3	1,100	UNKNOWN	138	TURKEY: GADIZ
15	9	1939	2316	40.2N	29.5E		5.7		UNKNOWN	4	
18	12	1037		41.0N	29.5E				UNKNOWN	149	BUCCELLARIIS
12	9	1955	0609	32.5N	29.6E		6.5	20	SEVERE	14	
12	9	1955	0609	32.2N	29.6E		6.7	22	UNKNOWN	40	
12	9	1955	0609	32.2N	29.6E		6.3	18	UNKNOWN	138	EGYPT: NILE DELTA
12	5	1971	0625	37.5N	29.7E	23	6.3	56	SEVERE	39	
		355		40.7N	29.7E				SEVERE	151	TURKEY: NICOMEDIA
11	10	367		40.7N	29.7E			THOUSANDS	SEVERE	151	TURKEY: NICEA
		1064		40.7N	29.7E				SEVERE	151	TURKEY: NICEA
20	3	1966	0142	0.7N	29.8E	24	6.9	157	MODERATE	28,39	
22	11	1963	2026	37.3N	29.8E	4	4.4		LIMITED	71	
11	11	1963		37.7N	29.8E#		5.5		LIMITED	141	DENIZLI
12	5	1971	0625	37.5N	29.9E		6.2	57	UNKNOWN	138	TURKEY: BURDUR
24	8	358		40.8N	29.9E				SEVERE	149	NICOMEDIA (TSUNAMI)
17	5	1966	0703	.7N	30.1E	12	6.3		SEVERE	39	
7	8	1925	0646	38.1N	30.2E		5.75		LIMITED	71	
7	8	1925		38.1N	30.2E#		IX		SEVERE	141	DINAS
3	5	1875		35.2N	30.2E				MODERATE	55,71	ASIA MINOR: ISCHIKLI, YORIL YAKA
5	5	1875		38.1N	30.2E		IX	1,300	MODERATE	71	TURKEY
3	5	1875		38.1N	30.2E		7.3	2,000	SEVERE	99	TURKEY
3	10	1914		37.7N	30.4E#		6.5	300	EXTREME	141	BURDUR
3	10	1914	2207	37.7N	30.4E		7.1	FEW	SEVERE	71	
20	1	1943	1532	40.8N	30.5E		6.6	285	UNKNOWN	138	TURKEY: HENDAK
20	6	1943	1533	40.6N	30.5E			285	SEVERE	41	TURKEY
20	2	1956	2031	40.0N	30.5E		5.8	4	MODERATE	8,40,71	
16	10	1862		38.8N	30.5E		6.1	800	MODERATE	99	TURKEY
7	8	1847		29.5N	30.5E		IX		SEVERE	99	EGYPT
		1863		38.5N	30.6E		X	800	SEVERE	71	TURKEY
20	6	1943	1532	40.8N	30.6E		6.25		MODERATE	71	
2	1	1939	0435	36.3N	30.7E		5.3		SEVERE	4	
22	7	1967	1656	40.7N	30.7E		7.2	86	UNKNOWN	138	TURKEY: MUDURNU
28	12	1869		38.7N	30.7E		X	15	SEVERE	93	GREECE: STE. MAURE
28	12	1869		38.7N	30.7E		XI	15	MODERATE	99	GREECE
		1	1770	38.7N	30.7E				MODERATE	55	GREECE: ST. MAURA
20	3	1783		38.7N	30.7E		X	26	UNKNOWN	93	AMAXIKI
22	7	1967	1657	40.7N	30.8E	4	7.3	173	SEVERE	11,39	
26	5	1957	0633	40.7N	30.9E		7.2	52	SEVERE	40	
26	5	1957	0633	40.4N	31.1E	15	7.0		UNKNOWN	71	
26	5	1957	0633	40.6N	31.2E		7.1	500	UNKNOWN	138	TURKEY: ABANT

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION	
22	7	1967		40.6N	31.3E		7.1	86	EXTREME	120	
15	6	1211		30.5N	31.3E			MANY	UNKNOWN	98	
24	1	1916	0000	37.8N	31.7E		7.8			2	
10	11	1942	1141	49.5S	32.0E	S	8.3				
	9	1754		30.0N	32.0E			40,000	SEVERE	55,73	
	3	9	1968	0819	41.7N	32.3E	5	6.6	24	SEVERE	11,39
	7	9	1968		41.7N	32.4E		6.1	29	MODERATE	120
	1	2	1944	0323	41.5N	32.4E		7.4	4,000	SEVERE	71
	1	2	1944	0323	41.5N	32.5E		7.6	5,000	UNKNOWN	2,6
	10	9	1953	0405	35.0N	32.5E		6.5	40	MODERATE	40,138
											CYPRUS: PAPHOS
	1	2	1944	0322	41.4N	32.7E		7.4	2,790	UNKNOWN	138
	13	8	1951	1833	40.9N	32.9E		6.5	50	UNKNOWN	138
											TURKEY: KURSUALU
	1	2	1944	0323	41.0N	33.0E			2,381	SEVERE	41
											TURKEY
	3	10	1914		36.7N	33.0E		7.7		2	2
	5	7	1201		28.0N	33.0E&			1,100,000	EXTREME	57,98
											UPPER EGYPT OR SYRIA
	5	7	1201		28.0N	33.0E&			30,000	SEVERE	120
											UPPER EGYPT, SYRIA
	27	4	955		28.0N	33.0E&				98	EGYPT
	13	8	1951	1833	40.8N	33.4E		6.7	50	SEVERE	2,20,71
	26	11	1943	2221	41.0N	33.5E			2,900	SEVERE	41
								6.1	12	LIMITED	99
											TURKEY
	26	11	1943	2220	41.0N	33.7E		7.6	4,020	UNKNOWN	138
											TURKEY: LADIK
	19	4	1938	1059	39.6N	33.7E		6.75	155	SEVERE	71
	19	4	1938	1099	39.4N	33.8E		6.7	224	UNKNOWN	138
											TURKEY: KIRSEHIR
	31	3	1969	0715	27.6N	33.9E	33	7.1	2	SEVERE	11
	26	11	1943	2220	41.0N	34.0E		7.6			
	26	11	1942	2220	40.5N	34.0E#		7.6	4,000	EXTREME	141
											HAVZA, LADIK
	26	11	1943	2220	40.5N	34.0E		7.6	4,000	SEVERE	71
	19	4	1938	1056	39.1N	34.0E		6.8	800	UNKNOWN	2
											CYPRUS: SALAMIS
	11	9	1927	2215	44.3N	34.3E	17	6.8	10	EXTREME	44
	26	6	1927	1120	44.4N	34.4E	27	6.0	0	LIMITED	44
	21	11	1942	1401	40.3N	34.6E#			17	MODERATE	141
											KASTOMONU, KARGI
	21	11	1942	1401	40.3N	34.6E		VIII		SEVERE	71
	7	5	1964	0545	4.0S	34.9E	33	6.0	1	SEVERE	9
	11	1	1293		32.0N	34.9E				SEVERE	98
											RAMLA
											PALESTINE
	18	3	1068		31.5N	35.0E				SEVERE	151
											PALESTINE: RAMALA
	18	3	1068		31.8N	35.0E			25,000	SEVERE	120
											ISRAEL: RAMLE
	26	11	1033		31.8N	35.0E				SEVERE	98
											SYRIA: RAMLA
	18	3	1068		31.8N	35.0E			25,000	EXTREME	57,98
											PALESTINE: RAMLA
	12	5	1844		41.0N	35.0E		IX	200	UNKNOWN	99
											TURKEY
	2	12	1942		40.6N	35.0E#			4	UNKNOWN	41
											TURKEY: CIRCUM
	2	12	1942	1904	40.6N	35.0E		VIII		SEVERE	71

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
11	12	1942	0239	40.8N	35.1E		VIII		SEVERE	71	
		367		31.8N	35.2E				UNKNOWN	151	JERUSALEM
		1203		33.3N	35.2E			MANY	SEVERE	57	SUR
		1509		40.9N	35.2E		IX		SEVERE	71	
22	5	1202		33.2N	35.3E			30,000	UNKNOWN	51	JORDAN, NABLUS
20	5	1202		32.5N	35.3E			MANY	SEVERE	120	PALESTINE, SAMARIA, GALILEA
11	7	1927	1304	32.2N	35.3E		6.0	268	UNKNOWN	138	JORDAN: DAMIYA
29	3	1903	2230	32.2N	35.3E		5.7	20	UNKNOWN	138	ISRAEL: NABLUS
22	10	1952	1700	36.5N	35.3E#		VII	10	SEVERE	141	CEYHAN, MISIS
22	10	1952	1700	36.5N	35.5E		5.0	20	SEVERE	19,71	
16	3	1956	1932	35.5N	35.5E		5.8	148	UNKNOWN	138	LEBANON: LITANI
20	2	1940		38.4N	35.5E#		IX	37	MODERATE	141	KAYSERI, DEVELI
20	2	1940		38.4N	35.5E		VI	37	LIMITED	71	
18	1	746		32.0N	35.5E				UNKNOWN	57	N. OF DEAD SEA
		1205		38.7N	35.5E		IX		LIMITED	71	TURKEY
		1268		37.5N	35.5E			50,000	UNKNOWN	73	CICILIA
9	7	551		33.9N	35.5E				SEVERE	57	BEIRUT
		1268		37.5N	35.5E			60,000	UNKNOWN	2,7,55	ASIA MINOR, S. TURKEY: SILICIA
1	1	1837	0100	33.0N	35.5E		XI	5,700	SEVERE	99,108	LEBANON: SAFED, TYRE, TRIBERIA DO
23	8	1835	1500	38.5N	35.5E		X	300	MODERATE	99	TURKEY
1	1	1837		33.0N	35.5E#			2,000	UNKNOWN	51	ISRAEL: SAFAD
1	1	1837		33.0N	35.5E#					55	ASIA MINOR: BEYROUT, DAMASCUS TO SAHPIT, JAFFA, AC
16	3	1956	1932	33.6N	35.6E		16 6.0	136	SEVERE	40	
26	11	1759		33.3N	35.7E#					55	ALEPPO, SAPHET, DAMASCUS, TRIPOLI
30	10	1759		33.3N	35.7E#			20,000	SEVERE	2,51,55,73	SYRIA: BAALBEC, SAPHET
25	11	1759		33.3N	35.7E#			30,000	UNKNOWN	3,7,51	LEBANON, SYRIA: BAALBEC
13	1	1339		34.4N	35.8E				UNKNOWN	98	SYRIA: TRIPOLIS
10	9	1268		37.5N	35.8E			MANY	UNKNOWN	98	KOZAN
		1171		34.4N	35.8E				SEVERE	151	LEBANON: TRIPOLI
26	2	1796		35.2N	35.8E			1,500	UNKNOWN	2,55	LATAKIA, W. SYRIA
20	3	1945	0759	37.4N	35.8E		VII	300	UNKNOWN	41,71	TURKEY: AELANA
6	1	1928	1932	1.7S	35.9E		7.0		UNKNOWN	6	
<b>36°E</b>											
13	8	1822	1800	36.0N	36.0E		X	2,000	SEVERE	99	TURKEY
5	9	1822		36.0N	36.0E		X	20,000	EXTREME	99	TURKEY
5	9	1822		35.0N	36.0E			20,000		55	ASIA MINOR: ALEPPO, DAMASCUS, CYPRUS
5	9	1822		35.0N	36.0E			22,000	UNKNOWN	7,51	ASIA MINOR: ALEPPO, TURKEY
		859		36.0N	36.0E				MODERATE	55	ASIA MINOR: ANTIOCH
5	1	835		36.0N	36.0E				SEVERE	98	ANTIOCHIA
8	4	859		36.0N	36.0E			MANY	SEVERE	57	ANTIOCHIA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
25	8	716		36.0N	36.0E				MODERATE	98	SYRIA: ANTIOCHIA
8	4	859		36.0N	36.0E			MANY	SEVERE	98	SYRIA: ANTIOCHIA
		579		36.0N	36.0E				SEVERE	151	ANTIOCH
9	4	1407		36.0N	36.0E			MANY	UNKNOWN	98	ANTIOCHIA
12	10	972		36.0N	36.0E				UNKNOWN	98	SYRIA: ANTIOCHIA
20	3	713		36.0N	36.0E				SEVERE	98	SYRIA: ANTIOCHIA (ANTAKYA)
		528		36.0N	36.0E			5,000	SEVERE	151	ANTIOCH
21	6	1752		35.0N	36.0E&			20,000	UNKNOWN	51	SYRIA: COAST REGIONS
		527		36.2N	36.1E		X		SEVERE	71	SYRIA
8	4	859		36.2N	36.1E			MANY	EXTREME	120	ANTIOCHIA, EGYPT, MESOPOTAMIA, ARMENIA
		847		36.2N	36.1E			20,000	UNKNOWN	120	ANTIOCH
		565		36.2N	36.1E			30,000	UNKNOWN	2	ANTAKYA
		342		36.2N	36.1E			40,000	UNKNOWN	2	TURKEY: ANTAKYA
2	4	1872	0545	36.2N	36.1E		7.3	1,000	SEVERE	99	TURKEY
8	4	1951	2138	36.6N	36.1E		6.0	6	LIMITED	20	
17	12	1930	0202	36.1N	36.2E		4.1		LIMITED	4	
3	4	1872		36.2N	36.2E		X	1,800	SEVERE	2,55,71	ASIA MINOR: ANTIOCH, ALEPPO
		847		33.5N	36.3E			70,000	EXTREME	57	DAMASCUS
5	4	991		33.5N	36.3E				MODERATE	55	ASIA MINOR: DAMASCUS
18	9	844		33.5N	36.3E			50,000	EXTREME	98	DAMASCUS
24	11	847		33.5N	36.3E				MODERATE	98	DAMASCUS
31	8	748		33.5N	36.3E				MODERATE	98	DAMASCUS
		1155		34.5N	36.5E			2,000	UNKNOWN	2,55	S. TURKEY: LATAKIA
		1183		34.5N	36.5E			20,000		2,51,55	SYRIA: ANTIOCH, DAMASCUS, TRIPOLI
		1158		34.5N	36.5E			20,000	UNKNOWN	55,73	SYRIA: MALATIA, ANTIOCH, TRIPOLI, DAMASCUS, ALEPPO
20	12	1942	1403	40.9N	36.5E		7.3	1,100	UNKNOWN	138	TURKEY: ERBAA
2	7	1970	0224	38.8N	36.6E		27 4.8	1	LIMITED	35	
		63		45.2N	36.6E		20 6.4		SEVERE	44	USSR
		1827		40.7N	36.6E		X		MODERATE	99	TURKEY
20	12	1408		35.1N	36.8E			MANY	UNKNOWN	98	ALEPPO, TRIPOLIS
20	12	1942	1403	40.7N	36.8E		7.3		SEVERE	71	
20	12	1942	1403	40.7N	36.8E#		7.3	3,000	EXTREME	141	NIKSAR, ERBAA
20	12	1942	1403	40.0N	37.0E			1,000	EXTREME	41	TURKEY
		1402		35.0N	37.0E&				SEVERE	55	SYRIA
		1138		36.1N	37.2E#			100,000	SEVERE	120	EGYPT, SYRIA
		1138		36.1N	37.2E#			100,000	EXTREME	57	EGYPT, SYRIA
8	9	1138		36.1N	37.2E			230,000	EXTREME	98	SYRIA: GANZAH, ALEPPO
		1822		36.1N	37.2E			20,000	SEVERE	73	ALEPPO
13	7	1822		36.2N	37.3E			20,000	UNKNOWN	7,51	ASIA MINOR, ALEPPO, TURKEY
13	2	1157		36.3N	37.3E			GREAT	EXTREME	98	SYRIA: ALEPPO
		1169		36.3N	37.3E				SEVERE	57	ALEPPO, DAMASCUS
6	3	1719		36.2N	37.3E				LIMITED	55	ASIA MINOR: SMYRNA, ALEPPO
12	7	1966	1853	44.7N	37.3E		55 5.8		LIMITED	44	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
21	8	1042		30.4N	37.6E			50,000	UNKNOWN	51	SYRIA, PALMYRA, BAALBEK
		742		35.0N	38.0E&			MANY	SEVERE	73	SYRIA: PALESTINE, ASIA
31	3	1893		38.3N	38.3E		6.7	400	SEVERE	71,99	TURKEY
14	6	1964	1216	38.1N	38.3E#		6.1	8	MODERATE	141	GEMLIK
14	6	1964	1216	38.0N	38.5E	8	6.0	1	SEVERE	9,71	
26	12	1939	2357	39.5N	38.5E	S	7.9	30,000	EXTREME	2,3	TURKEY: ERZINCAN
2	11	1875		16.0N	38.5E			SOME	UNKNOWN	134	ETHIOPIA
12	3	1114		37.5N	38.5E					55	ASIA MINOR: SAMAOSALA
4	5	1874		38.8N	38.8E		6.1		MODERATE	99	TURKEY
7	6	1114		37.0N	38.9E			MANY	SEVERE	71,98	URFA
		1114		37.0N	38.9E					71	TURKEY
29	11	1733		15.7N	39.0E			IX	MODERATE	71	TURKEY
12	2	1845	PM	12.3N	39.0E			SOME	UNKNOWN	134	ETHIOPIA
19	4	1926	0750	45.3N	39.3E	50	5.4	0	UNKNOWN	134	ETHIOPIA
26	12	1939	2357	39.7N	39.5E		8.0		LIMITED	44	
									SEVERE	71	
26	12	1939	2357	39.8N	39.5E		8.0	32,700	UNKNOWN	138	TURKEY: ERZINCAN
3	6	1952		39.8N	39.5E		VII	94	SEVERE	141	HASANKALE, ERZINCAN
4	4	1857		13.5N	39.5E				UNKNOWN	134	ETHIOPIA: TIGRAY
20	7	1884		15.6N	39.5E		VIII		LIMITED	134	ETHIOPIA: MASSAWA
23	7	1784		39.7N	39.5E			5,000	SEVERE	55,73	TURKEY: ERZERUM, ERZINGAM
		1045		39.7N	39.5E					71	TURKEY
29	11	1456		39.8N	39.5E			IX	MODERATE	71	TURKEY
									SEVERE	98	ERZINCAN
15	2	1978	0317	39.6N	39.7E	33	4.5MB	0	MODERATE	132	
8	12	1842		9.5N	39.8E		IX	MANY	SEVERE	134	ETHIOPIA: ANKOBEN
5	1961			10.4N	39.9E		5.4	0	LIMITED	134	ETHIOPIA
1	6	1961	2329	10.4N	39.9E	33	6.5	5	UNKNOWN	15	
1	6	1961	2329	10.4N	39.9E	33	6.6	30	MODERATE	40	
4	2	1950	0931	40.0N	40.0E			20	LIMITED	18	
21	2	1977	1302	39.9N	40.0E	33	4.6	0	UNKNOWN	140	
25	3	1977	0239	38.5N	40.0E	21	5.2	30	SEVERE	42	
		5	12	1943	40.0N	40.0E&		550	SEVERE	41	TURKEY: N.E. ANATOLIA
28	6	1255		24.5N	40.0E				UNKNOWN	98	HIJAZ, MEDINA
22	7	1866		38.5N	40.1E				UNKNOWN	99	TURKEY
24	9	1968	0419	39.2N	40.1E	14	5.1	2	SEVERE	39	
9	7	1976	0934	38.3N	40.4E	33	4.2	1	UNKNOWN	41	
26	7	1967	1853	39.5N	40.4E		6.2	97	UNKNOWN	138	TURKEY: TUNCALI
26	7	1967	1853	39.5N	40.4E	33	6.2	110	SEVERE	39	
21	11	1939	0843	39.7N	40.4E		VII	13	MODERATE	71	
		1458		39.9N	40.4E			32,000	UNKNOWN	51	TURKEY: ERZINCAN
		1268		39.8N	40.4E		IX	15,000	SEVERE	71	TURKEY
		1482		39.9N	40.4E		X	30,000	SEVERE	71	TURKEY
		1458		39.9N	40.4E		X	30,000	SEVERE	71	TURKEY
8	11	1458		39.9N	40.4E			100	UNKNOWN	71,98	KERK



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
14	8	1921	1315	15.5N	40.5E		5.7		SEVERE	134	ETHIOPIA: MASSAWA
22	5	1971	1643	38.8N	40.5E	3	7.0	995	SEVERE	39	
22	5	1971	1643	38.8N	40.5E		6.7	755	UNKNOWN	138	TURKEY: BINGOL
17	8	1949	1843	39.0N	40.5E		6.8	320	SEVERE	17	
1	5	1935	1024	39.3N	40.6E		6.1	540	UNKNOWN	138	TURKEY: KIGI
6	9	1975	0920	38.4N	40.7E	26	6.7	2,300	\$17 MILLION	34,51	
6	9	1975	0920	38.5N	40.7E		6.7	2,370	UNKNOWN	138	TURKEY: LICE
31	8	1965	0729	39.3N	40.8E	10	5.1		MODERATE	40	
21	8	1964	1649	40.0N	40.9E		4.6		UNKNOWN	71	
17	8	1949	1844	39.4N	40.9E		6.5	320	MODERATE	153	
29	3	1969	0915	11.9N	41.1E	33	6.4	24	SEVERE	11	
29	4	1085		39.9N	41.1E			MANY		98	ERZERUM
29	3	1969	0915	12.0N	41.2E		6.3	24	UNKNOWN	138	ETHIOPIA: SARDO
29	3	1969	0916	11.6N	41.2E		6.3	25	MODERATE	39,134	ETHIOPIA: SARDO
31	5	1946	0312	39.3N	41.2E		5.9	840	UNKNOWN	138	TURKEY: USTUKRAN
2	6	1859	0800	39.9N	41.3E		6.1	15,000	SEVERE	99	TURKEY
24	7	1852		39.9N	41.3E		7.3	17	LIMITED	99	TURKEY
3	1	1952	0603	39.5N	41.5E		5.6	94	MODERATE	2,19	
31	5	1946	0312	40.0N	41.5E		6.0	1,300	SEVERE	21,145	
25	10	1959	1557	39.1N	41.6E		6.2	18	MODERATE	24,40	
25	10	1959	1557	39.2N	41.6E		5.2	18	UNKNOWN	138	TURKEY: NINIA
3	1	1952	0603	40.0N	41.6E		5.6		LIMITED	71	
19	8	1966	1222	39.2N	41.6E		6.6	2,520	UNKNOWN	138	TURKEY: VARTO
7	3	1966	0116	39.1N	41.6E	38	6.0	10	SEVERE	28,39	
12	7	1966	0004	39.2N	41.6E	33	4.5	12	SEVERE	28,39	
19	8	1966	1222	39.2N	41.6E	33	7.1	2,520	SEVERE	3,39	E. TURKEY
16	7	1963	1827	43.2N	41.6E	5	6.4	2	LIMITED	44	
24	3	1963	1110	37.9N	41.7E	9			LIMITED	40	
3	1	1952	0603	39.9N	41.7E		6.0	103	UNKNOWN	138	TURKEY: PANISLER
23	4	1868	0000	40.0N	41.7E		6.7		MODERATE	99	TURKEY
20	5	1959	1949	41.9N	41.9E	16	5.1		LIMITED	44	
		893		43.2N	42.0E			82,000	UNKNOWN	51	USSR: CAUCASUS
19	9	1137		36.0N	42.0E			MANY	SEVERE	57,120	JAZIRAH,MOSUL
19	9	1137		36.0N	42.0E			MANY	EXTREME	98,120	SYRIA,MESOPOTAMIA
9	4	1857		38.4N	42.1E		6.7		MODERATE	99	TURKEY
		1137		32.0N	42.3E			MANY	UNKNOWN	57	SYRIA,IRAQ
7	6	1881		38.7N	42.4E		VII	95	MODERATE	99	TURKEY
29	1	1957	1521	42.5N	42.4E	9	5.3		LIMITED	44	
19	4	1903		39.1N	42.4E		IX	1,700	SEVERE	71	
28	4	1903	2346	39.1N	42.5E		6.3	2,200	UNKNOWN	138	TURKEY: MALAZGIRT
		847		36.0N	42.5E			50,000	UNKNOWN	120	MOSUL(AL-MAWSIL)
		1031		36.0N	42.5E			4	LIMITED	120	MOSUL
		1781		36.0N	42.5E			80	MODERATE	120	MOSUL

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
11	1666			36.0N	42.5E					55,120	IRAQ: MOSUL; ARMENIA; PALESTINE; ASSYRIA; MENSAL
2	5	1966	2313	38.0N	42.6E	41	4.8			39	
29	4	1976	2218	40.8N	42.8E	44	5.5	4		41	
25	3	1976	1155	41.1N	43.0E	18	4.8	1		41	
22	1	1929	1442	11.5N	43.0E		VIII			137	DJIBOUTI
10	9	1941	2153	39.5N	43.0E		6.0	500		2	
11	1666			36.0N	43.0E					57	MOSUL
13	5	986		36.3N	43.0E			MANY		98,120	MOSUL
10	1058			36.0N	43.0E			MANY		57,120	MOSUL, TIKRIT, WASIT, ANAH
13	5	986		36.0N	43.0E			MANY		57	MOSUL
		742		15.0N	43.0E					55	EGYPT, ARABIA: DESERT OF SABA
20	6	1840		39.5N	43.0E		IX	1,500		99	ARMENIA
22	4	1088		41.4N	43.2E	10	5.3	GREAT		44	USSR: GEORGIA
23	11	1947	0537	45.3N	43.2E	3	3.5	0		44	
21	6	1945	0133	38.5N	43.3E		VII			71	
29	7	1945	0856	38.5N	43.3E		VII			71	
29	7	1945	0856	38.5N	43.3E#		VII	300		141	VAN BOLGESI
10	9	1941	2153	39.5N	43.3E		6.0	430		138	TURKEY: VAN
22	9	1888	1000	41.3N	43.3E		6.1	MANY		99	TURKEY
		1111		38.5N	43.4E		IX			71	TURKEY
20	3	1902	0610	42.6N	43.4E		4.6			4	
		749		35.0N	43.5E					57	IRAQ: JAZIRAH: N.E. OF THARTHAR R.
25	1	749		35.0N	43.5E					120	JAZIRAH(N.E. OF THARTHAR)
		678		35.0N	43.5E					57	IRAQ: JAZIRAH; TIGRIS R. TO THARTHAR R.
		678		35.0N	43.5E					120	JAZIRAH: BETW. TIGRIS R. AND THARTHAR R.
31	12	1899	0750	41.6N	43.5E		5.6	247		99	TURKEY
2	4	1976	1658	39.8N	43.6E	46	4.6	4		41	
22	10	1926	1959	40.7N	43.7E	7	5.7	355		43	
7	5	1940	2223	41.7N	43.8E	19	6.0	14		44	
4	9	1962	2259	39.9N	43.9E		5.5			71	
4	9	1962	2259	39.9N	43.9E#		5.5	1		141	IQDIR
24	11	1976	1222	39.1N	44.0E	36	7.3	5,000		41	E. TURKEY
21	6	872		34.0N	44.0E			20,000		57,120	SAMARRA VALLEY
20	2	1920	1145	42.0N	44.1E	11	6.2	40		44	
14	4	1275		42.1N	44.2E	28	6.7	MANY		44	USSR: GEORGIA
29	4	1968	1702	39.2N	44.3E	34	5.3	38		11	
26	5	1977	0135	38.9N	44.3E	37	5.4	3		42	
29	4	1968	1701	39.2N	44.3E	34	5.6	61		39,76	
11	5	1149		33.2N	44.4E			MANY		98	BAGHDAD
		1007		33.2N	44.4E			10,000		51	BAGADAD, IRAQ
		1007		33.2N	44.4E#					55	PERSIA(IRAK): DEINAR
25	12	1864		33.2N	44.4E					120	BAGHDAD, BASRA, KUT-AL-IMARAH
2	7	1840	1600	39.7N	44.4E	18	6.8	2,063		44	ARMENIA: MT. ARARAT

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
23	5	860		33.0N	44.5E				MODERATE	57	BAGHDAD
1	5	1769		33.0N	44.5E				MODERATE	57	BAGHDAD
1	5	1769		33.0N	44.5E#				SEVERE	120	BAGHDAD
6	5	1930	0703	38.0N	44.5E			23		76	IRAN: SALMAS
6	5	1930	2234	38.0N	44.5E		7.2	2,514		1,76	IRAN: SALMAS
14	3	1964	1940	42.2N	44.6E		4.1		INSIGNIFICANT	71	
		893		40.0N	44.6E					55	RUSSIA: DVIN OR TOVIN
4		863		40.0N	44.6E	10	4.9	MANY	LIMITED	44	ARMENIA: DVINA
1		858		40.0N	44.6E	10	5.2	12,000	SEVERE	44	ARMENIA: DVINA
27	3	893		40.0N	44.6E	5	5.3	20,000	EXTREME	44	ARMENIA: DVINA
4	6	1679		40.1N	44.7E	15	5.9	7,600	EXTREME	44	ARMENIA: DVINA
14	3	1970	0151	38.5N	44.7E	23	5.3	5	MODERATE	35	
7	1	1937	2047	40.2N	44.7E	10	4.6		LIMITED	44	
6	5	1930	2234	38.1N	44.7E		7.5	1,360	UNKNOWN	138	IRAN: SALMAS
14	1	1915	0509	42.8N	44.7E	19	5.4		LIMITED	44	
14	4	1867		33.5N	44.9E				MODERATE	120	MANDALI, JALULA, BAGHDAD
11	4	1008		35.7N	45.0E			16,000	EXTREME	98	DAINAWAR
		600	B.C.	35.0N	45.0E&				UNKNOWN	57	IRAQ: SINKARAH, TEMPLE OF TARAS
10	8	1912	0117	45.3N	45.1E	50	5.7		LIMITED	44	
4		957		34.3N	45.2E				SEVERE	57	JIBAL, KURDISTAN: KASR-SHIRIN TO KIRIND MAX AT H
26	5	1971	1645	43.3N	45.4E	3	4.1		LIMITED	44	
		1310		35.5N	45.5E			MANY	UNKNOWN	57	SHAHROOZE (SULAIMANIYA)
2	3	1966	0237	43.0N	45.7E	44	5.4		LIMITED	39	
27	7	1946	1625	35.6N	45.8E		5.4		LIMITED	4	
27	4	1931	1650	39.2N	46.0E	22	6.3	SOME	SEVERE	44	
		1550		38.0N	46.0E			MANY	UNKNOWN	57	TABRIZ
		871		32.0N	46.0E			20,000	EXTREME	57	WASIT ON TIGRIS
		872		33.0N	46.0E			3,000	SEVERE	57	N.E. OF KUT AL IMARAH
18	11	871		32.0N	46.0E			20,000	UNKNOWN	98,120	WASIT ON THE TIGRIS
20	12	1864		33.0N	46.0E			100	MODERATE	57	ZURBATIYAH
20	12	1864		33.0N	46.0E			100	SEVERE	120	ZURBATIYAH
8	2	1865		32.2N	46.0E				MODERATE	120	TURSAQ, JASSAN, KUT-AL-IMARAH
5	2	1641		38.0N	46.1E			30,000	UNKNOWN	2,51	TABRIZ, KURDISTAN
		2	1780	38.0N	46.2E			40,000		55	PERSIA: TABRIZ
		1780		38.0N	46.2E#			100,000	UNKNOWN	51	IRAN: TABRIZ P.
		1780		38.0N	46.2E#			MANY	SEVERE	73	TAURIS
26	4	1721		38.0N	46.2E#			10,000	UNKNOWN	51	IRAN: TABRIZ P.
26	4	1721		38.0N	46.2E			8,000		55	PERSIA: TABRIZ
		1779		38.0N	46.2E#			100,000	UNKNOWN	51	IRAN: TABRIZ P.
18	11	1727		38.0N	46.2E			77,000	LIMITED	2,55	PERSIA: TABRIZ
21	8	1042		38.0N	46.2E			40,000	EXTREME	51,98	IRAN: TABRIZ
9	6	1968	0056	39.2N	46.2E	50	5.2		LIMITED	39,44	
		1139		40.3N	46.3E	15	6.8	MANY	SEVERE	44	USSR: KIAPAS

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
			427	40.5N	46.5E	12	6.7		SEVERE	44	USSR: AZERBALDZAN
9	3	1830	1122	43.0N	47.0E	16	6.3	40	MODERATE	44	USSR: NORTHERN CAUCACUS
14	5	1970	0920	43.0N	47.0E	17	5.7		MODERATE	39	
14	5	1970	1812	43.0N	47.0E	44	6.7	MANY	SEVERE	35,39	
10	2	1965	1609	37.6N	47.1E	52	5.1	20	SEVERE	30	
17	12	1667		41.7N	47.3E	30	6.5	93	UNKNOWN	44	USSR: NORTHERN CAUCASUS
		1007		31.0N	47.4E			10,000	UNKNOWN	120	DIJLA(TIGRIS-KTESIPHON)
9	3	1830	0700	43.5N	47.5E		IX	410	MODERATE	99	USSR
22	3	1879	0100	39.2N	47.6E	11	6.5	500	MODERATE	44	USSR: ARDEBIL
13	12	1957	0145	34.4N	47.6E	42	7.3	1,130	SEVERE	40,76	
13	12	1957	0145	34.3N	47.8E		7.1	1,200	UNKNOWN	138	IRAN: FARSINAJ
16	8	1958	1913	34.3N	47.8E		6.8	137	MODERATE	40,76	
24	3	1963	1244	34.4N	47.8E	42	7.2		MODERATE	40	
		11	1667	40.4N	47.8E			80,000	UNKNOWN	2,7,55	USSR: SHEMAKA,AZERBAIJAN
16	8	1958	1913	34.4N	47.9E		6.7	132	UNKNOWN	138	IRAN: FIRUZABAD
16	8	1958	1914	34.5N	48.0E			200	SEVERE	27	
13	12	1957	0145	34.5N	48.0E		7.2	2,000	SEVERE	26	
18	12	1880		40.5N	48.1E		VIII	SEVERAL	UNKNOWN	99	ARMENIA,SOMAKI,SHEMAKHA
14	10	1961	0701	33.6N	48.1E	33		2	MODERATE	15	
23	3	893		38.2N	48.2E			150,000	EXTREME	98	IRAN: ARDABIL
		893		38.2N	48.2E#			180,000	UNKNOWN	51	INDIA: DAIPUL
3	1	1864		38.2N	48.3E			500	SEVERE	4,55	ARDEBIL,LEN KORAN,NIAR,NOUSKHAR,GNERT,KARABOG
6	1	1864		38.2N	48.3E				LIMITED	55	PERSIA: NEAR ARDEBIL
9	8	1828	1600	40.7N	48.4E	10	5.7		LIMITED	44	USSR: SHEMAKH
15	4	956		34.9N	48.4E			MANY	UNKNOWN	98	IRAN: HAMADAN
		1667		40.6N	48.6E	12	6.9	80,000	EXTREME	44,73	USSR: SHEMAKH
4	1	1669		40.6N	48.6E	5	5.7	7,000	SEVERE	44	USSR: SHEMAKH
1	1	1671		40.6N	48.6E			MANY	MODERATE	44	USSR: SHEMAKH
11	6	1859	1300	40.6N	48.6E		5.5	100	MODERATE	44,99	USSR: SHEMAKH
23	7	1856	2200	40.6N	48.6E			1	LIMITED	44	USSR: SHEMAKH
28	2	1872	0700	40.6N	48.6E	7	5.7	118	EXTREME	44	USSR: SHEMAKH
13	2	1902	0939	40.7N	48.6E	15	6.9	86	EXTREME	44	
7	8	1875	1600	40.7N	48.7E	8	5.4	0	LIMITED	44	USSR: SHEMAKH
2	9	1869	1200	40.7N	48.7E	6	5.0	0	LIMITED	44	USSR: SHEMAKH
3	5	1052		31.2N	48.9E				UNKNOWN	98	URGUN,AHVAV
		893		21.0N	49.0E					55	ARABIA: ARMENIA,DABIL,YAMAMAHE,YAMAN
21	9	1958	1618	36.0N	49.0E			20	SEVERE	27,40,76	
23	1	1909	0248	33.4N	49.1E		7.3	5,500	UNKNOWN	76,138	IRAN: SILAKOR
30	6	1963	0741	33.2N	49.2E	38	5.1		MODERATE	40	
27	6	1961	0049	33.5N	49.4E			5	MODERATE	15	
14	12	1978	0705	32.1N	49.6E	24	6.3	76	MODERATE	132	
15	12	1978	0705	32.1N	49.6E	24	6.3	100	UNKNOWN	76	IZEH,IRAN
1	9	1962	1920	35.6N	49.8E		7.2	12,200	UNKNOWN	138	IRAN: BUIYN-ZARA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
1	9	1962	1920	35.6N	49.9E	20	7.3	12,225	EXTREME	40,76	N.W. IRAN
10	12	1119		36.2N	50.0E				SEVERE	98	IRAN: QAZVIN
2	1	1842		40.5N	50.0E				MODERATE	99	USSR: APSHERON PENINSULA
6	4	1977	1336	31.9N	50.6E	41	5.9	348	UNKNOWN	42,76	
6	4	1977	1336	31.9N	50.6E		5.6	366	MODERATE	130	IRAN
11	7	1853		32.0N	51.0E			10,000	UNKNOWN	2,55	ISFAHAN, ZAGROS
15	12	1778		33.9N	51.3E				SEVERE	130	IRAN: KASHAN
7	6	1755		34.0N	51.5E			40,000	SEVERE	2,7,55	N. PERSIA: TABRIZ, KASCHAN
15	5	1344		32.6N	51.7E			20	LIMITED	130	IRAN: ISFAHAN
15	9	942		36.0N	51.7E			MANY	UNKNOWN	98	LADNESA
23	1	1909	0315	32.7N	51.7E		7.7			2	
15	1	1953	2156	28.5N	52.3E			11		7,76	IRAN: GODER
23	4	1957		33.4N	52.5E			16	UNKNOWN	76	IRAN: KACHU MESQAL
21	4	1853		29.5N	52.5E#			12,000	UNKNOWN	2,55	SHIRAZ, ZAGROS
2	7	1957	0042	36.1N	52.7E		7.1	1,100	UNKNOWN	138	IRAN: HAZANDERAN
2	7	1957	0042	36.2N	52.7E		7.4	1,200	SEVERE	2,40,76	
9	8	1971	0254	36.3N	52.7E	27	5.3	1	MODERATE	32	
10	4	1972	0206	28.4N	52.8E		6.8	5,400	UNKNOWN	138	IRAN: GHIR
10	4	1972	0207	28.4N	52.8E	33	7.1	5,374	5	39,76	
16	1	1958	0204	36.5N	53.0E			MANY	MODERATE	27	
22	1	1950	0407	27.3N	53.2E			30		7,76	IRAN: DEHNO, ASSALU
19	1	1950	1727	27.3N	53.2E			20	SEVERE	18,153	
5	3	1935	1027	36.3N	53.3E		6.0	60		1,76	IRAN: ALBORZ
11	4	1935	2314	36.5N	53.5E		6.8	700		1,76	IRAN: ALBORZ
11	4	1935	2315	36.3N	53.5E		6.3	690	UNKNOWN	138	IRAN: KEVSUT
8	7	1895	2130	39.5N	53.7E	60	8.2	0	MODERATE	44	USSR
24	3	1913		27.5N	53.8E			11		76	IRAN: TEYHAN
27	12	1964		27.0N	54.0E				MODERATE	40	
22	12	856		35.8N	54.3E			200,000	EXTREME	130	IRAN: QUMIS DAMGHAN
24	4	1960	1214	27.7N	54.4E		6.0	380	UNKNOWN	138	IRAN: LAR
31	10	1956	1403	27.2N	54.4E		6.8	347	UNKNOWN	138	IRAN: BASTAQ
31	10	1956	1403	27.0N	54.5E		6.8	410	EXTREME	40,76	
12	2	1953	0815	35.0N	54.5E		6.5	973	SEVERE	16,76	
24	4	1960	1214	28.0N	54.5E		6.0	420	20	25,76	
11	6	1961	0510	27.9N	54.5E		7.2	61	UNKNOWN	138	IRAN: LAR
5	4	1944		36.8N	54.5E			20		76	IRAN: GORGAN
11	6	1961	0510	27.9N	54.6E	37	6.6	60	SEVERE	40,76	
11	7	1890	0755	36.5N	54.9E	10	6.5	171	MODERATE	44	WESTERN TURKMENIA
9	11	1977	1120	36.7N	55.0E	33	4.98		MODERATE	140	
17	9	1923	0709	35.5N	55.0E		6.5	157		1,76	IRAN: QALEH JAQ
12	2	1953	0815	35.4N	55.1E		6.4	970	UNKNOWN	138	IRAN: TORND
4	11	1946	2147	39.3N	55.4E	26	7.0	400	SEVERE	2,44	
29	7	1963	0610	27.8N	55.6E	37	5.2	5	LIMITED	10,40	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
30	7	1970	0052	37.8N	55.8E	19	6.8	176	SEVERE	35,39,76	
30	7	1970	0052	37.8N	55.9E		6.9	220	UNKNOWN	138	IRAN: KARNAVEH
21	6	1965	0021	28.1N	55.9E	40	6.0		SEVERE	40	
7	3	1975	0704	27.4N	56.2E	27	6.1	7	MODERATE	34	
21	3	1977	2118	27.6N	56.3E	29	7.0	167	SEVERE	42,76	
19	12	1977	2334	30.9N	56.4E	31	5.8	584	SEVERE	7,42	
19	12	1977	2334	30.9N	56.4E	31	5.8	551	UNKNOWN	76	IRAN: BAB-TANGOL
22	9	1923	2047	29.5N	56.4E		6.7	290	UNKNOWN	138	IRAN: SIRJAN
22	9	1923	2048	29.0N	56.5E		6.9	260		1,76	IRAN: QALEH ASGAR
18	4	1911		31.3N	56.8E			60	UNKNOWN	76	IRAN: RAVAR
8	12	1951	0414	34.0S	57.0E	5	7.9				
16	9	1978	1536	33.4N	57.4E	33	7.4	20,000	UNKNOWN	76	IRAN: TABAS-E-GOLSHAN
16	9	1978	1535	33.2N	57.4E	33	7.7	15,000	MODERATE	132	
1	5	1929	1537	37.8N	57.6E		7.4	3,800	UNKNOWN	138	IRAN: KOPET-DAGH
1	5	1929	1537	37.8N	57.8E	21	7.2	5,803	EXTREME	44	
3	1	1969	0316	37.1N	57.8E	11	5.6	50	MODERATE	11,39,76	
31	3	1963	0227	37.0N	57.9E	33	7.0	4	MODERATE	10	
5	10	1948	2012	39.5N	58.0E#			19,800	UNKNOWN	51	USSR: ASHKHABAD
1	5	1929	1538	38.0N	58.0E		7.1	3,257		1,76	IRAN: BAGHAN-GERMAB
			10	38.0N	58.0E				UNKNOWN	44	WESTERN TURKMENIA
31	3	1066		34.0N	58.0E			GREAT	SEVERE	98	IRAN: KHURASAN
14	12	1925		34.6N	58.1E		5.5	500		76,126	IRAN: BAJESTAN
25	9	1903	0120	35.2N	58.2E		6.5	350	UNKNOWN	138	IRAN: KASHBAR
4	9	1968	2324	33.9N	58.2E	15	5.4		SEVERE	39	
		2000	B.C.	38.0N	58.2E			SOME	UNKNOWN	44	WESTERN TURKMENIA
20	8	943		38.0N	58.3E			5,000	SEVERE	44	WESTERN TURKMENIA: NIS
5	10	1948	2012	38.0N	58.3E	8	7.3	10,000	EXTREME	44	
25	9	1903		35.2N	58.4E			300		76	TURSHIZ, IRAN
17	11	1893	1506	37.2N	58.4E			18,000	EXTREME	44	WESTERN TURKMENIA
20	1	1389		36.2N	58.5E			MANY	SEVERE	98	NEYSHABUR
16	2	1941	1638	33.5N	58.6E		6.3	730	UNKNOWN	138	IRAN: MOHAMMAHBD
5	10	1962	2002	35.1N	58.6E		N	6	MODERATE	40	
5	10	1948	2012	37.9N	58.6E		7.2	19,800	UNKNOWN	138	IRAN: ASHKHABAD
23	9	1947	1228	33.4N	58.7E		6.9	500	UNKNOWN	138	IRAN: DUSTABAD
5	10	1962	2002	35.2N	58.8E	33		5	MODERATE	29	
1	4	1962	0045	33.5N	59.0E	33		2	LIMITED	40	
23	9	1947	1228	33.0N	59.0E		6.8	412	MODERATE	18,76	
31	8	1968	1047	34.0N	59.0E	13	7.3	12,100	10	11,39,51	IRAN: DASHT-E-BIAZ
31	8	1968	1047	33.9N	59.0E	13	7.3	15,000	UNKNOWN	3,76	
16	2	1941	0000	33.8N	59.0E			640	SEVERE	2,76	
21	8	1928	2119	35.5N	59.0E	12	5.0	10		76	IRAN: NEISHABUR
7	11	1976	0400	33.8N	59.1E	13	6.2	17	SEVERE	41	
		1549		33.5N	59.1E			3,000	UNKNOWN	2,55	PERSIA: QAIN, KHURASAN

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
!	25	5	1923	2221	35.3N	59.2E	5.5	2,219		76,126	IRAN: KAJ DERAKHT
	25	5	1923	2221	35.2N	59.2E	5.7	2,200	UNKNOWN	138	IRAN: TORBAT
	16	1	1979	0950	33.9N	59.5E	33	6.7	200	131	IRAN
		4	1687		36.3N	59.5E			MODERATE	55	PERSIA: MACHAT
	7	12	1979	0924	34.2N	59.9E	33	6.0	SEVERE	131	IRAN
	14	11	1979	0221	34.1N	59.9E	10	6.5	280	131	IRAN
	27	11	1979	1710	34.1N	59.9E	10	7.1	17	131	IRAN
	9	7	818		36.0N	60.0E			SEVERE	98	IRAN: KHURASAN, WAZIRABAD, BALKH
!	30	6	1936	1926	33.0N	60.0E		12		7,76	IRAN: ABIZ
	27	11	1945	2157	25.0N	60.5E		8.2	4,000	41	IRAN (TSUNAMI)
	5	8	848		34.5N	62.2E			UNKNOWN	98	AFGHANISTAN: HERAT
	6	12	1922	1355	36.5N	70.5E	230	7.5			
	20	4	1941	1738	39.2N	70.5E	8	6.4		44	
	19	2	1842		34.4N	70.5E			500	95	INDIA: JALALABAD
	21	11	1939	1102	36.3N	70.6E	220	6.9	MODERATE	101	
	14	3	1965	1553	36.3N	70.7E	219	7.6	0	30	
	31	1	1977	1426	40.0N	70.8E	20	5.9	0	140	
	1	2	1929	1714	36.7N	70.8E	180	7.1		101	
	22	1	1832		36.5N	71.0E			GREAT	101	AFGHANISTAN
	16	6	1819	2330	23.0N	71.0E		1,440	SEVERE	5	INDIA: CUTCH
	16	6	1819		23.3N	71.0E		2,000		6,55,73	INDIA: CUTCH, AHMEDABAD, POONAH, BHOOL
	16	6	1819		23.3N	71.0E#		>2,000	EXTREME	95	INDIA
	16	6	1819	0200	23.3N	71.0E#		1,543	SEVERE	2,7,51,100	INDIA: N. BOMBAY
	23	11	838		40.4N	71.3E		15,000	EXTREME	98	FERGANA
			1620		40.9N	71.4E		MANY	UNKNOWN	44	UZBEKISTAN
<b>72°E</b>											
		25		33.0N	72.0E				SEVERE	101	PAKISTAN
16	12	1902	0507	40.8N	72.3E	9	6.4	4,725	\$6 MILLION	44	ANDIZHAN
	8	7	1909	0230	35.5N	72.5E		10	LIMITED	101	
	2	11	1946	1828	41.5N	72.5E		7.6	MODERATE	21	
16	12	1902		40.8N	72.6E			4,500	UNKNOWN	3	
	13	12	1902		40.8N	72.6E		4,562	UNKNOWN	51	USSR: ANDIZHAN, TASHKENT
	18	2	1911	1841	38.2N	72.8E	26	7.4	90	44	SAREZ
	28	12	1974	1211	35.0N	72.8E	22	6.2	5,300	36	PAKISTAN
	20	5	1618		19.0N	72.8E		2,000	UNKNOWN	51	INDIA: BOMBAY
	28	12	1974	1212	35.1N	72.9E	22	6.0	700	101	
	23	3	1970	0152	21.7N	73.0E	3	5.1	26	35,39	
	18	2	1911	1841	40.0N	73.0E		7.8			
	3	9	1972	1648	36.0N	73.4E	36	6.3	100	101	
	3	9	1972	1648	36.0N	73.4E	35	6.5	100	31,39	
10	12	1967	2251	17.4N	73.6E	33	6.5	110	SEVERE	39	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
10	12	1967	2251	17.7N	73.9E		6.5	177	SEVERE	11
10	12	1967	2251	17.7N	73.9E	33	6.5	180	SEVERE	2
2	8	1885	2120	42.7N	74.1E		6.9	54	MODERATE	44 BOLOVOD
9	1827			31.6N	74.3E			1,000	MODERATE	2,55,95,100,101 INDIA: LAHORE
2	7	1979	1630	34.4N	74.3E	33	4.8MB	0	LIMITED	131 S.W. KASHMIR
6	6	1828		34.2N	74.5E			1,000	UNKNOWN	2 INDIA: KASHMIR
6	6	1828		34.2N	74.5E			1,000	SEVERE	2,55,99,100 INDIA: KASHMIR
6	6	1828	2230	34.2N	74.5E			1,000	MODERATE	101 INDIA
2	9	1963	0134	33.9N	74.7E	44	5.4	79	SEVERE	10,40
2	9	1963	0134	33.9N	74.8E	25	5.3	80	MODERATE	101
11	11	1936	1711	39.0N	75.0E		5.5	SOME	LIMITED	48
30	5	1885		33.5N	75.0E#			2,000		55 INDIA: CASHMERE,SOPOR,MUSASERABAD
30	5	1885		33.5N	75.0E			3,000	SEVERE	2,73,95 INDIA: SRINAGAR
30	5	1885		33.5N	75.0E#			300	UNKNOWN	100 INDIA: SRINAGAR
21	6	1898		39.5N	76.0E		VII	47	LIMITED	48 CHINA
4	4	1905	0050	33.0N	76.0E	S	8.6	20,000	EXTREME	6,95,100,101
4	4	1905	0050	33.0N	76.0E	S	8.6	19,000	EXTREME	3,2 INDIA: KANGRA
22	8	1902	0300	40.0N	76.5E		8.3	200	SEVERE	48
27	8	1960	1558	28.6N	76.7E	58			MODERATE	40
8	6	1887	2335	43.1N	76.8E		7.3		MODERATE	44 VERNENSK
1	4	1843		19.0N	77.0E				MODERATE	95 INDIA: DECCAN
1	9	1803		27.5N	77.5E				SEVERE	95,100 INDIA: MUTRA
15	7	1720		29.0N	77.5E			MANY	LIMITED	95,100 INDIA: DELHI
15	7	1720		29.0N	77.5E#			MANY	MODERATE	95 INDIA: DELHI
3	1	1911	2325	43.5N	77.5E	S	8.7	450	SEVERE	3,44
19	1	1975	0802	32.4N	78.4E	33	6.8	47	UNKNOWN	34
24	3	1978	2105	43.3N	78.5E	33	7.0		UNKNOWN	132
11	7	1889	2214	43.2N	78.7E		8.3		MODERATE	44 CHILIK
5	6	1970	0453	42.5N	78.8E		6.6	0	SEVERE	35
15	8	1966	0215	28.7N	78.9E	53	5.6	15	LIMITED	28,39
12	3	1978	0829	41.7N	79.8E	33	5.5MB		MODERATE	132
27	6	1966	1041	29.6N	80.9E	33	6.0	80	SEVERE	28,39
17	12	1893		41.7N	82.8E		VII	SOME	LIMITED	48 CHINA
9	2	1765		44.7N	82.9E		VIII	1	UNKNOWN	48
8	3	1812		43.7N	83.0E		7.5		UNKNOWN	52 CHINA
23	2	1949	1608	41.9N	83.2E		7.3	9	LIMITED	48
22	12	1906	1821	43.5N	85.0E	S	8.3			
22	12	1906	1821	43.9N	85.6E		8.0	280	SEVERE	48
15	1	1934		26.5N	86.5E		8.3	10,000	EXTREME	6,95,100 INDIA: BIHAR-NEPAL
15	1	1934	0843	26.5N	86.5E	S	8.4	10,700	EXTREME	2,3
1	9	1803		22.5N	88.4E					55 INDIA: CALCUTTA,BARAHAL,BADRINATH
11	10	1737		22.5N	88.4E			300,000	MODERATE	2,3,7,51,55,95 INDIA: CALCUTTA
9	3	1928	1805	2.5S	88.5E	S	8.1			



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
10	8	1931	1843	47.1N	89.8E		8.0	5	LIMITED	48	
10	8	1931	2118	47.0N	90.0E	S	7.9	11	LIMITED	48	
12	6	1897	0815	24.0N	90.0E			1,542	EXTREME	5	INDIA: ASSAM
10	1	1869		30.8N	90.9E					95	INDIA: ASSAM, CACHAR
12	6	1897	1106	26.0N	91.0E		XII	1,542	SEVERE	6,95,100	INDIA: ASSAM
12	6	1897	1106	26.0N	91.0E		8.7	1,500		2,3,5,6,51	INDIA
8	7	1918	1022	24.5N	91.0E		7.6		MODERATE	100	
18	11	1951	0935	30.5N	91.0E	S	7.9				
18	11	1951		30.5N	91.0E		8.0			100	
17	8	1952	1602	30.5N	91.5E		7.5	55	MODERATE	19	
9	9	1923		25.5N	91.5E				LIMITED	95	
12	6	1897	1105	25.9N	91.9E			1,600	EXTREME	55,95	INDIA: SHILLONG, GAUHATI
2	4	1762		22.0N	92.0E				SEVERE	95,100	INDIA: CHITTAGONG
26	6	1941	1152	12.5N	92.5E	55	8.7			1	
26	6	1941		12.5N	92.5E		8.1	FEW	SEVERE	93,100	INDIA: ANDAMAN, COLOMBO, MADRAS, CALCUTTA, BOMBAY
10	1	1869		26.0N	92.7E				UNKNOWN	5	INDIA: JAINTIA HILLS
12	5	1977	1220	21.7N	92.9E	40	5.7	0	LIMITED	140	
11	6	1842		43.6N	93.0E		VIII	5	MODERATE	48	CHINA
23	10	1943		21.5N	93.5E		7.2		MODERATE	100	
29	7	1947	1343	28.5N	94.0E		7.9				
21	11	1969	0205	2.0N	94.6E	20	7.7				
24	8	1858		19.0N	95.0E				SEVERE	95	BURMA: THAYETMYO, PROME
2	4	1964	0111	5.8N	95.6E	132	7.0		MODERATE	9	
16	7	1956	1507	22.2N	95.7E	39	7.0	38	MODERATE	40	
12	9	1946	1517	23.5N	96.0E		7.5				
12	9	1946	1520	23.5N	96.0E		7.8				
15	8	1950	1409	28.6N	96.5E		8.6	1,526	EXTREME	18,153	
15	8	1950		28.6N	96.5E		8.6			95	
15	8	1950	1409	28.5N	96.5E	S	8.7	574	20	3	INDIA: ASSAM
12	4	1967	0452	5.3N	96.5E	45	6.6	14	SEVERE	39	
5	5	1930		17.3N	96.5E			550	UNKNOWN	95	
5	5	1930		17.0N	96.5E		7.2	550	UNKNOWN	100	
25	12	1932	0204	39.2N	96.5E		7.6	70,000	UNKNOWN	145	
15	8	1950		28.5N	96.7E		8.6	156	SEVERE	100	
27	1	1931	2009	25.6N	96.8E		7.6				
25	12	1932	0204	39.7N	97.0E		7.6	275	MODERATE	48	
23	5	1912		21.0N	97.0E		8.0			100	
23	5	1912	0224	21.0N	97.0E	S	7.9				
23	5	1912		21.0N	97.0E		8.0			95	BURMA
23	7	1905	0246	49.0N	98.0E	S	8.7				
1	2	1903	0934	48.0N	98.0E	S	7.8				
7	1	1937	1320	15.5N	98.0E		7.6				
18	4	1785		39.9N	98.0E		VIII	36	MODERATE	48	CHINA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
15	3	1927	2148	38.2N	98.2E		6.0	SOME	LIMITED	48
28	12	1935	0235	0.0S	98.2E	S	8.1			
21	9	1930	2304	25.8N	98.4E		6.5	3	LIMITED	48
7	1	1931		25.0N	98.5E		5.0	0	LIMITED	48
	5	1906		24.6N	98.6E		5.3	2	LIMITED	48
13	3	1577		25.0N	98.6E		VIII	170	MODERATE	48 CHINA
29	5	1976	1400	24.5N	98.7E	10	7.0	SOME	SEVERE	41
4	2	1971	1533	0.6N	98.8E	33	7.1		UNKNOWN	32
29	5	1976	1223	24.5N	98.9E	8	6.9	SOME	SEVERE	41
9	7	1905	0940	49.0N	99.0E	S	8.4			
11	7	1609		39.2N	99.0E		IX	840	MODERATE	48 CHINA
11	4	1870		30.0N	99.0E		6.75	2,300	UNKNOWN	2,52 CHINA
11	4	1871		30.3N	99.0E			2,300		55 CHINA: BATHANG
11	4	1870		30.0N	99.0E		IX	100	LIMITED	48 CHINA
21	4	1942		23.5N	99.4E		5.0	FEW	LIMITED	48
4	12	1957	0337	45.2N	99.4E		8.3	30	MODERATE	3,40
17	3	1947	0819	33.0N	99.5E		7.7			
9		180		39.4N	99.5E		7.5		UNKNOWN	52 CHINA
27	6	1948	0008	26.6N	99.6E		6.3	110	LIMITED	48
14	5	1938	1203	23.0N	99.8E		6.0	SOME	LIMITED	48
8		1902		26.3N	99.9E		5.5		LIMITED	48
25	5	1751		26.5N	99.9E		IX	900	SEVERE	48
14	6	1688		26.5N	99.9E		VIII	190	MODERATE	48 CHINA
15	7	1481		26.5N	100.0E		VIII	20	LIMITED	48 CHINA
23	2	1839		26.1N	100.0E		VIII	129	MODERATE	48 CHINA
7	2	1839		26.1N	100.0E		VIII	100	LIMITED	48 CHINA
23	3	1839		26.1N	100.0E				SEVERE	95 BURMA: AVA, AMARAPOORA
15	2	1901		26.0N	100.0E		6.0	SOME	MODERATE	48
24	8	1930	1051	30.0N	100.0E		5.5	50	LIMITED	48
31	3	1943		25.8N	100.1E		5.5	SOME	LIMITED	48
26	12	1941	1448	22.2N	100.1E		7.0	15	LIMITED	48
14	10	1925	1805	26.9N	100.1E		5.5	12	LIMITED	48
6		1863		26.0N	100.1E		VII	SOME	LIMITED	48 CHINA
23	10	1515		25.7N	100.2E		VIII	100	LIMITED	48 CHINA
16	3	1925	1442	25.7N	100.2E		7.0	3,600	EXTREME	48
22	11	1926		25.6N	100.3E		5.5	20	LIMITED	48
25	5	1948	0711	29.7N	100.3E		7.3	800	MODERATE	48
26	3	1520		25.3N	100.3E		VII	MANY	LIMITED	48,96 CHINA
3		1586		25.3N	100.3E		VII	10	LIMITED	48 CHINA
27	9	1811		31.7N	100.3E		VIII	480	LIMITED	48 CHINA
13	7	1652		25.4N	100.5E		IX	3,000	MODERATE	48 CHINA
25	5	1948	0711	29.5N	100.5E		7.3	1,000	SEVERE	12
6	2	1973	1037	31.3N	100.5E	33	7.7	SOME	UNKNOWN	39

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
1	2	1803		25.6N	100.6E		VIII	200	LIMITED	48	CHINA
7	8	1878		27.7N	100.7E		VII	30	LIMITED	48	CHINA
17	6	1515		26.6N	100.8E		X	1,000	SEVERE	48	CHINA
17	6	1515		28.6N	100.8E		7.5		UNKNOWN	52	CHINA
24	3	1923	1240	31.3N	100.8E		7.3	5,000	SEVERE	48	
30	8	1904		31.2N	100.9E		6.0	400	MODERATE	48	
1	7	1923	0754	23.0N	101.0E		6.5	1	LIMITED	48	
9	6	1943	0306	1.0S	101.0E	50	7.6				
3	1	1942	1830	22.8N	101.0E		6.8	30	LIMITED	48	
13	7	1609		39.0N	101.0E			840		55	CHINA: KANSU
3	12	1556		38.8N	101.1E		5.0		UNKNOWN	52	CHINA
14	11	1884		23.0N	101.1E		VIII	17	LIMITED	48	CHINA
16	3	1925	1442	26.2N	101.2E		7.1	5,000	UNKNOWN	3	
26	3	1947	2048	25.8N	101.2E		5.5	1	LIMITED	48	
18	6	1948	0727	28.7N	101.4E		5.8	0	LIMITED	48	
3	6	1909	1841	2.5S	101.5E		7.5			86	
29	8	1893		30.5N	101.5E		VIII	200	MODERATE	48	
7	9	1792		30.5N	101.5E		VIII	205	MODERATE	48	CHINA
9	9	1680		25.0N	101.5E		IX	2,700	SEVERE	48	CHINA
15	5	1793		30.5N	101.5E		VIII	200	LIMITED	48	CHINA
29	8	1748		30.5N	101.5E		VII	5	LIMITED	48	CHINA
14	4	1955	0129	30.0N	101.7E		7.4	39	MODERATE	14,40	
6	3	1932	2143	30.1N	101.8E		6.0	50	LIMITED	48	
17	2	1890		36.6N	101.8E		VIII	SOME	UNKNOWN	48	CHINA
1	6	1893		36.6N	101.8E		VII	MANY	LIMITED	48	CHINA
22	5	1927	2232	36.7N	102.0E	S	8.3	200,000	EXTREME	2,3	
20	3	1927		24.1N	102.0E		5.0	7	LIMITED	48	
		1932		31.8N	102.2E		5.0	SOME	LIMITED	48	
		8 1923		28.7N	102.2E		6.0	0	LIMITED	48	
27	1	1755		24.7N	102.2E		VIII	270	MODERATE	48	
19	3	1536		28.1N	102.2E		IX	1,000	MODERATE	48	CHINA
2	4	814		27.9N	102.2E			100	LIMITED	48	CHINA
1	8	1786		29.9N	102.3E		7.5		UNKNOWN	52	CHINA
1	6	1786		29.9N	102.3E		IX	431	MODERATE	48	CHINA
12	9	1850		27.8N	102.3E		X	20,650	EXTREME	48	CHINA
24	2	1819		36.3N	102.3E		VII	126	LIMITED	48	CHINA
		8 1913		28.4N	102.3E		6.0	10	LIMITED	48	
28	4	1935		29.4N	102.3E		6.0	2	LIMITED	48	
6	4	1940	1343	23.8N	102.4E		6.0	100	SEVERE	48	
27	8	1799		23.8N	102.4E		IX	2,000	SEVERE	48	CHINA
24	11	1814		23.7N	102.5E		VIII	200	LIMITED	48	CHINA
16	12	1887		23.7N	102.5E		IX	2,000	MODERATE	48	CHINA
23	5	1761		24.4N	102.5E		VIII	120	MODERATE	48	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
3	11	1761		24.4N	102.5E		VII	50	MODERATE	48	
24	11	1927		25.2N	102.5E		5.5	SOME	LIMITED	48	
19	6	1940		24.3N	102.5E		5.5	2	LIMITED	48	
20	9	1933		29.5N	102.5E		5.0	100	LIMITED	48	
19	7	1928	2013	31.5N	102.5E		5.5	6	LIMITED	48	
21	12	1913	1537	24.2N	102.5E		6.5	942	SEVERE	48	
4	1	1970	1700	24.1N	102.5E	31	7.5		SEVERE	39	
22	5	1927	2232	37.6N	102.6E		8.0	40,912	EXTREME	48	
23	5	1927		37.6N	102.6E#			80,000	UNKNOWN	51	CHINA: NAN-SHAN PROVINCE
19	9	1939		24.4N	102.6E		5.5	1	LIMITED	48	
15	12	1979	0002	3.4S	102.6E	33	6.4	8	MODERATE	131	S. SUMATRA
9	9	1571		24.1N	102.7E		VIII	10	LIMITED	48	CHINA
		1560		24.2N	102.7E		VII	10	LIMITED	48	CHINA
8	2	1755		23.8N	102.7E		VIII	70	MODERATE	48	
12	1	1934	1331	23.7N	102.7E		6.0	1	UNKNOWN	48	
7	6	1947	0505	26.3N	102.8E		5.5	3	LIMITED	48	
5	1	1967	0014	48.1N	102.8E	35	7.5		INSIGNIFICANT	11	
30	12	1763		24.3N	102.8E		VIII	1,000	MODERATE	48	
30	11	1606		23.6N	102.8E		IX	1,000	MODERATE	48	CHINA
7	6	1789		24.2N	102.8E		IX	1,000	MODERATE	48	CHINA
9	8	1588		24.0N	102.8E		VIII	SOME	UNKNOWN	48,96	CHINA
15	9	1750		24.7N	102.9E		VII	37	LIMITED	48	CHINA
		1499		25.0N	103.0E			20,000	EXTREME	96	CHINA: YUNAN PROVINCE, YI LIANG
		1500		24.5N	103.0E			MANY	UNKNOWN	96	CHINA: YUNAN PROVINCE, CHENG KIANG
6	9	1833		25.2N	103.0E		XI	6,700	EXTREME	48,52	CHINA
11	5	1909		24.4N	103.0E		6.5	19	LIMITED	48	
17	8	1936		26.4N	103.1E		5.5	30	LIMITED	48	
8	1	1725		25.1N	103.1E		VIII	556	MODERATE	48	CHINA
2	8	1733		26.2N	103.1E		X	26	LIMITED	48	CHINA
26	2	1713		25.4N	103.2E		IX	2,100	SEVERE	48	CHINA
27	4	1936	0059	28.7N	103.2E		6.0	15	LIMITED	48	
8	10	1941	1524	32.1N	103.3E		6.0	15	LIMITED	48	
7	2	1936	0856	35.4N	103.4E		6.8	50	SEVERE	48	
23	2	1748		31.3N	103.4E		VII	2	LIMITED	48	CHINA
26	10	1440		36.2N	103.4E		VIII	200	LIMITED	48	CHINA
14	3	1938	0514	32.3N	103.6E		6.0	7	LIMITED	48	
18	12	1935	0710	28.6N	103.7E		6.0	0	LIMITED	48	
25	8	1933	0750	32.0N	103.7E		7.4	10,000	EXTREME	48	
4	9	1713		32.0N	103.7E		VIII	MANY	LIMITED	48,96	CHINA
10	9	1837		34.6N	103.7E		VIII	29	MODERATE	48	CHINA
		4	1817	32.8N	103.7E				SEVERE	55	CHINA: CHANGLI, SZECHUAN
24	3	1494		25.5N	103.8E		VII	3	LIMITED	48	CHINA
7	7	1590		35.4N	103.9E			GREAT	SEVERE	48,96	CHINA: KANSU PROVINCE, SI NING

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
1	5	1765		35.3N	103.9E		VII	6	LIMITED	48	
1	3	138		35.5N	104.0E		IX		SEVERE	48	CHINA
30	7	1917	2354	28.0N	104.0E		6.5	1,803	MODERATE	48	
10	5	1974	1825	28.2N	104.0E	11	6.8	20,000	UNKNOWN	36,51	CHINA: YUNNAN,SZECHWAN
8	10	1948	1901	27.2N	104.0E		5.8	3	LIMITED	48	
16	8	1976	1406	32.7N	104.1E	16	6.9		UNKNOWN	41	
7	1	1906		26.2N	104.1E		5.5	10	LIMITED	48	
2	11	1888		37.1N	104.2E		VIII	50	MODERATE	48	CHINA
20	7	1881		33.6N	104.6E		VIII	480	MODERATE	48	CHINA
18	6	1822		33.0N	104.6E		VII	23	LIMITED	48	CHINA
		26 B.C.		28.8N	104.6E		VII	13	UNKNOWN	48	CHINA
17	4	47 B.C.		35.1N	104.6E		IX	SOME	UNKNOWN	48	CHINA
1	7	1879		33.2N	104.7E		X	10,430	EXTREME	48,52	CHINA: KANSU P.
24	6	1933	2154	5.5S	104.7E		7.5				
22	2	186 B.C.		33.4N	104.8E			760	UNKNOWN	48	CHINA
14	2	1896		29.2N	104.9E		VII	20	LIMITED	48	CHINA
		1850		34.7N	104.9E		VI	SOME	LIMITED	48	CHINA
		2 9 1765		34.8N	105.0E		IX	1,189	EXTREME	48	
16	12	1920	1205	36.0N	105.0E	S	8.6	100,000	EXTREME	2,3	
19	6	1718		35.0N	105.2E		X	43,000	EXTREME	48	CHINA
19	6	1716		35.0N	105.2E		7.5		UNKNOWN	52	CHINA: KANSU P.
		1 1634		34.0N	105.2E		VIII	30	LIMITED	48	CHINA
26	5	1852		37.5N	105.2E		VIII	300	SEVERE	48	CHINA
14	10	1709		37.4N	105.3E		X	2,032	SEVERE	48	CHINA: NINGSIA P.
		10 143		34.7N	105.3E		IX		UNKNOWN	48	CHINA
21	7	1654		34.3N	105.5E		X	12,000	SEVERE	48,52	CHINA
14	1	1885		34.5N	105.7E		VIII	80	MODERATE	48	CHINA
16	12	1920	1205	36.5N	105.7E		8.5	200,000	EXTREME	48	CHINA: KANSU
		1 8 1936	0624	34.2N	105.7E		6.0	134	MODERATE	48	
		3 7 1343		34.9N	105.8E			MANY	UNKNOWN	96	CHINA: HUNAN PROVINCE,NAN PI TSIN NAN
25	7	1561		37.4N	106.0E			1,000	MODERATE	48	CHINA
30	7	876		38.0N	106.0E			MANY	MODERATE	96	CHINA: SHANTUNG PROVINCE,HANG CHOU AND PU
		1846		31.6N	106.0E		VII	20	LIMITED	48	CHINA
27	2	1903	0043	8.0S	106.0E	S	8.1				
12	9	1306		35.9N	106.1E		IX	5,000	UNKNOWN	48	CHINA
21	11	1748		36.4N	106.1E		VII	40	LIMITED	48	CHINA
21	5	1219		36.0N	106.2E		IX	10,000	EXTREME	48,96	CHINA
19	3	734		34.7N	106.3E		IX	100	UNKNOWN	48	CHINA
		4 1143		38.5N	106.3E		VIII	5,000	SEVERE	48	CHINA
25	10	1622		36.5N	106.3E		7.0	12,000	SEVERE	2,48,52	CHINA
25	10	1622		36.5N	106.3E			6,000	SEVERE	55	CHINA: KANSU
26	8	1883		5.8S	106.3E#			100,000	EXTREME	73	JAVA
27	8	1883		5.8S	106.3E#					55	EAST INDIES: STRAIT OF SUNDA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
11	10	10		38.1N	106.4E		VII	MANY	UNKNOWN	48 CHINA
3	1	1739		38.9N	106.5E		X	50,000	EXTREME	48,57 CHINA
9	2	1975	0445	6.6S	106.6E	27	5.6	1	MODERATE	34
14	1	1900		6.9S	106.8E				SEVERE	122 SOEKBOEMI
10	10	1834		6.9S	107.0E				MODERATE	122 JAVA: BUITENZORG,TJIANDJOER,TJIANJAWAR
16	4	1957	0404	4.6S	107.1E	546	7.5			
8	12	1636		35.1N	107.8E			GREAT	UNKNOWN	96 CHINA: KANSU PROVINCE,LING TAI
1	15	30		34.6N	107.8E				UNKNOWN	96 CHINA: SHENSI PROVINCE,FONG SIANG
<b>108°E</b>										
24	8	1979	1659	41.2N	108.2E	33	5.8	0	MODERATE	131 N. CHINA
2	11	1979	1553	7.7S	108.3E	98	6.0MB	23	MODERATE	131 JAVA
16	11	1847		6.9S	108.3E				MODERATE	122 JAVA: CHERIBON
25	10	1875		6.9S	108.3E				MODERATE	122 JAVA: KOENINGAN
13	12	1875		6.7S	108.6E				LIMITED	55 JAVA: N. COAST KOCHINGAN,CHERIBORS
10	6	1856		29.7N	108.8E		VII	300	MODERATE	48 CHINA
13	12	500		34.3N	108.9E		VII	100	UNKNOWN	48 CHINA
1	10	1001		34.3N	109.0E			60	UNKNOWN	96 CHINA: SHENSI PROVINCE,TSIN
15	5	1568		34.4N	109.0E		IX	200	MODERATE	48 CHINA
16	5	1971	1444	7.2S	109.0E	35	5.2	1	UNKNOWN	32
19	11	1906	0718	22.0S	109.0E	60	7.3			
9	9	1916		7.6S	109.0E				LIMITED	122 MAOS (BANJOEMOS)
10	8	1487		34.3N	109.1E		VIII	1,900	MODERATE	48 CHINA
3	8	788		32.5N	109.2E			100	UNKNOWN	48,96 CHINA
31	7	1863		7.5S	109.2E				MODERATE	122 JAVA: BANJOEMAS
1	4	1936		22.5N	109.4E		6.8	150	MODERATE	48
23	1	1556		34.5N	109.7E		XI	830,000	EXTREME	2,3,48,51,52,55
30	4	1000		35.0N	110.0E			62	LIMITED	96 CHINA: SHENSI PROVINCE
23	7	1943	1453	9.5S	110.0E	90	8.1			
19	1	1501		34.8N	110.1E		IX	400	SEVERE	48 CHINA
7	11	1789		34.6N	110.3E			SOME	UNKNOWN	48 CHINA
16	7	1865		7.0S	110.3E				SEVERE	122 JAVA: AMBARAWA
10	6	1867		7.8S	110.5E				SEVERE	122 JAVA: DJOKJAKARTA,SOERAKARTA
13	7	1605		19.9N	110.5E			1,200	MODERATE	48,52 CHINA: KWANGTU
15	1	1102		39.3N	111.0E		X		EXTREME	96 CHINA: SHANSI PROVINCE,LU CHOU
11	9	1921	0401	11.0S	111.0E		7.5			
23	3	1827		34.9N	111.1E		VII	84	LIMITED	48 CHINA
23	10	1815		34.8N	111.2E		IX	13,000	EXTREME	48 CHINA
23	7	1340		29.0N	111.3E			360	LIMITED	96 CHINA: KANSU PROVINCE,TAO YUEN CHAN
13	1	1929	1844	40.7N	111.3E		6.0	1	LIMITED	48
		778		28.1N	111.4E&			500	UNKNOWN	96 CHINA: HUNAN PROVINCE,HOANG KIN CHAN,T CHENG
25	8	1291		36.1N	111.5E		VIII	150	SEVERE	48 CHINA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
12	9	649		36.1N	111.5E		VII	50	UNKNOWN	48 CHINA
18	5	1695		36.0N	111.5E		X	30,000	EXTREME	48 CHINA
13	5	1695		36.0N	111.5E		8.0		UNKNOWN	52 CHINA
23	12	1862		35.5N	111.5E		VII	SOME	LIMITED	48 CHINA
17	9	1303		36.3N	111.7E		XI	15,000	EXTREME	48,52,55 CHINA: SHANSI
13	2	788		29.5N	111.7E				EXTREME	55 CHINA: HUNAN KIN YUNYANG IN HUPEH
		1545		37.2N	111.7E			MANY	UNKNOWN	96 CHINA: SHANSI PROVINCE, HIAO YI
4	12	1209		36.0N	111.8E		IX	3,000	SEVERE	48 CHINA
6	12	1209		36.0N	111.8E			3,000		55 CHINA: SHANSI, FUSHAN IN PINGYANG FU
17	4	1891		37.0N	111.9E		VII	31	LIMITED	48 CHINA
25	7	1969	2249	21.5N	111.9E	33	5.9	3,000	SEVERE	3,39
19	6	1950	1236	6.2S	112.0E		6.8	16	LIMITED	18
23	8	999		29.0N	112.0E			100	LIMITED	96 CHINA: HONAN PROVINCE
		12		37.0N	112.0E			22,391	EXTREME	55 CHINA: SHANSI, HSINCHOU, PING CHOU, TAICHOU
4	8	1561		38.0N	112.0E			GREAT	SEVERE	96 CHINA: SHENSI, KANSU; SHANSI PROVINCES, TAI YUAN
		7		31.2N	112.2E			3,466	SEVERE	96 CHINA: HUPEI PROVINCE, KIN MEN
20	10	1958	0112	9.0S	112.4E	70	6.5	7	EXTREME	27
15	9	1937		37.8N	112.5E		5.0	SOME	LIMITED	48
15	1	1102		37.5N	112.6E					55 CHINA: SHANSI, CHIN, HSI TAI IN TAI YUAN
19	8	820		37.4N	112.6E			20	UNKNOWN	96 CHINA: SHENSI PROVINCE, FAN CHONG
22	11	1683		38.7N	112.7E		IX	1,000	SEVERE	48 CHINA
24	1	1038		38.4N	112.9E		7.25	2,200	UNKNOWN	2 CHINA
9	1	1038		38.4N	112.9E		7.25	23,000	UNKNOWN	51,52 CHINA
9	1	1038		38.4N	112.9E		X	32,300	EXTREME	48 CHINA
21	5	512		39.0N	113.0E		X	5,310	SEVERE	48,52 CHINA
22	9	1898		39.1N	113.0E		VII	12	LIMITED	48 CHINA
19	2	1967	2214	9.1S	113.0E	94	6.8	54	SEVERE	11
3	5	1305		39.8N	113.1E#			1,400	SEVERE	55 CHINA: SHANSI TATUNG FU
		1		29.4N	113.1E		VII	MANY	LIMITED	48 CHINA
3	5	1305		39.8N	113.1E		IX	2,000	SEVERE	48 CHINA
26	5	1830		23.1N	113.2E			6,000	UNKNOWN	73 CANTON
3	8	1820		34.1N	113.8E		VIII	430	SEVERE	48 CHINA
5	10	1314		36.5N	113.8E		VIII	340	UNKNOWN	48 CHINA
28	6	1626		39.4N	114.2E		IX	5,200	SEVERE	48 CHINA
12	6	1830		36.4N	114.2E		X	7,000	SEVERE	48,52 CHINA: HOPEH PROVINCE
4	2	1814		35.8N	114.4E		VII	4	LIMITED	48 CHINA
		344		36.3N	114.5E			100	UNKNOWN	48 CHINA
18	3	1962	2018	23.8N	114.6E	25		1	LIMITED	29
14	7	1976	0713	8.1S	114.8E	40	6.5	563	UNKNOWN	41
7	3	1966	2129	37.3N	114.9E	33	6.8	MANY	EXTREME	2,39
6	4	1932	0911	31.4N	115.0E		6.0	0	LIMITED	48
22	3	1966	0819	37.6N	115.2E	33	6.9		SEVERE	39
		777		37.8N	115.2E		VIII	100	LIMITED	48 CHINA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
27	11	1815		8.0S	115.2E			10,253	UNKNOWN	51	INDONESIA: BALI
17	10	1502		35.7N	115.3E		VIII	50	MODERATE	48	CHINA
31	7	1937	2035	35.2N	115.3E		6.8	390	EXTREME	2,48	
21	1	1917		8.0S	115.4E			15,000	UNKNOWN	51	INDONESIA: BALI
12	7	1720		40.4N	115.5E		IX	MANY	MODERATE	48	CHINA
2	12	1882		38.1N	115.5E		VIII	11	LIMITED	48	CHINA
28	6	1623		28.3N	115.6E&			50	UNKNOWN	96	CHINA: KIANGSI PROVINCE, YEN HI CHAN
14	7	876		38.8N	115.6E					55	CHINA: CHIH LI PAOLANG FU
18	5	1963	1220	8.2S	115.6E	65	6.0		SEVERE	40	
17	12	1979	1958	8.4S	115.9E	33	6.6	27	UNKNOWN	131	SUMBAWA ISLAND
21	5	1979	1631	8.2S	115.9E	33	5.3		SEVERE	131	BALI ISLAND
20	10	1979	0141	8.3S	116.0E	33	6.3	2	MODERATE	131	SUMBAWA ISLAND
27	9	1290		25.1N	116.0E			100,000		55	CHINA: CHIH LI, SHANGLU, LUANKING, WUPING IN TINGCH
	9	294		40.3N	116.0E		VII	100	UNKNOWN	48	CHINA
25	4	1568		37.8N	116.0E				SEVERE	55	CHINA: CHIH LI, PEKIN, LETING, YUNGPING, CASTLE OF N
		1068		38.5N	116.1E					55	CHINA: SHANTUNG HUI, TUNGPING TUNGA IN TAIAN FU,
14	8	1068		38.5N	116.1E		VIII	SOME	UNKNOWN	48	CHINA
	9	1068		36.1N	116.1E			MANY	SEVERE	96	CHINA: CHE LI SIU TCHENG TONG NGO, SHANTUNG PROV
30	5	1979	0938	8.2S	116.1E	43	6.1	22	SEVERE	131	SUMBAWA ISLAND
30	9	1730		40.0N	116.2E		VIII	300	EXTREME	48	CHINA
30	11	1731		39.6N	116.2E			100,000	UNKNOWN	73	CHINA: PEKIN
		1057		39.5N	116.3E		IX	10,000	EXTREME	60	CHINA
		1057		39.5N	116.3E		6.75	25,000	UNKNOWN	51,52	CHINA
30	8	1895		23.5N	116.3E		VIII	72	MODERATE	48	CHINA
24	1	1917	0048	31.3N	116.3E		6.3	10	LIMITED	48	
	5	1535		25.8N	116.4E			MANY	LIMITED	48	CHINA
	8	1289		40.0N	116.5E			40,000	EXTREME	96	CHINA: CHE LI
	11	1067		23.6N	116.5E		IX	GREAT	EXTREME	48,96	CHINA
	3	1057		39.0N	116.5E					55	CHINA: CHIH LI, YUCHOU, HSIUNGCHOU IN PAOTING FU A
18	9	1704		38.0N	116.5E			MANY	UNKNOWN	48,96	CHINA: CHI-LI, HO KIEN, TUNG KUANG
27	6	1957		56.3N	116.5E#			1,200	UNKNOWN	133	OUTER MONGOLIA
27	6	1957	0009	56.3N	116.5E		7.9		INSIGNIFICANT	7,44	
28	9	1831		32.6N	116.7E		VIII	30	LIMITED	48	CHINA
14	10	1968	0258	31.5S	116.9E	1	7.4	0	2.2	39	
13	2	1918	0607	23.5N	117.0E		7.3	10,000	EXTREME	48	CHINA: KWANTUNG PROVINCE
2	9	1679		40.0N	117.0E		XI	10,000	EXTREME	48,52	CHINA
	5	1830		34.3N	117.2E					55	CHINA: KIANGSU, HSUCHOU
2	6	1979	0947	30.8S	117.4E	6	6.4	0	1.5	131	W. AUSTRALIA
27	7	1976	1942	39.5N	117.9E	23	8.0	655,237	EXTREME	41	CHINA: TANGSHAN
27	7	1976	1942	39.5N	117.9E	23	7.8	240,000	EXTREME	61	
	3	1347		36.9N	118.2E					55	CHINA: SHANTUNG, LINTAU, CHINGCHOU, SHANSI, HOTUNG,
25	7	1202		27.1N	118.4E			400	UNKNOWN	96	CHINA: FUKIEN PROVINCE, KIEN NAN CHAN
28	7	1976	1045	39.6N	118.4E	26	7.4	SOME	UNKNOWN	41	



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
19	8	1977	0608	11.1S	118.5E	3	8.0	189	MODERATE	42 (TSUNAMI)
	5	1347		36.9N	118.5E			MANY	UNKNOWN	96 CHINA: SHANTUNG PROVINCE, LIN TOU
19	11	1829		36.6N	118.5E		VIII	100	MODERATE	48 CHINA
25	7	1668		35.3N	118.6E		XII	50,000	EXTREME	2,48,52 CHINA: SHANTUNG P.
23	9	1945	1534	39.7N	118.7E		6.3	17	LIMITED	48
23	2	1969	0036	3.1S	118.8E	13	6.9	600	MODERATE	11,39 CELEBES (TSUNAMI)
	8	10	1948	32.1N	118.8E			3	UNKNOWN	2
16	8	1372		32.0N	118.8E		VI	16	UNKNOWN	48 CHINA
	12	1600		27.0N	119.0E			GREAT	EXTREME	96 CHINA: FU KIEN PROVINCE, FOO CHOU
13	6	1888		38.5N	119.0E		7.5	FEW	LIMITED	48,52 CHINA
1	6	70	B.C.	36.3N	119.0E			IX	UNKNOWN	48 CHINA
14	2	1934	0359	17.5N	119.0E		S	7.9		
11	4	1967	0509	3.3S	119.2E		33	5.8	58	39 SEVERE
9	7	1979	1057	31.6N	119.2E		33	5.3	41	131 MODERATE
11	4	1967	0515	3.7S	119.3E		33		13	56 MODERATE (TSUNAMI)
27	9	1290		41.5N	119.3E			6.75	100,000	2,7,51,52 CHINA
27	9	1290		41.5N	119.3E			XI	7,220	96 SEVERE CHINA
18	7	1969	0524	38.3N	119.4E			7.6		39 INSIGNIFICANT
8	1	1964	2230	3.7S	119.4E	90		5.2	8	9 SEVERE
29	12	1604		25.0N	119.5E			8.0		52 UNKNOWN CHINA
14	8	1968	2214	.1N	119.7E	23		7.4	392	39 SEVERE
26	5	1960	0510	40.0N	120.0E		N	6.5	9	40 UNKNOWN
19	5	1938	1708	1.0S	120.0E		S	7.9	8	2 LIMITED
25	5	1907	2352	18.0N	120.0E			VIII		72 MODERATE N. LUZON
9	10	1904	0239	18.0N	120.0E			VII		72 LIMITED N.W. LUZON
15	8	1897	1200	18.0N	120.0E			7.9		6 UNKNOWN PHILIPPINES
6	6	1862		23.3N	120.3E			VIII	1,000	48,51,68 MODERATE
30	1	1736		23.1N	120.3E			VIII	260	48 LIMITED CHINA
17	11	1902	0838	14.0N	120.3E			VI		72 LIMITED S.W. LUZON
4	12	1946	2246	23.1N	120.3E				53	21 MODERATE
4	12	1946	2247	23.1N	120.3E			6.5	8	48 MODERATE
24	8	1927	1809	23.3N	120.3E			6.8	30	48 MODERATE
25	4	1972	1930	13.3N	120.3E	50		7.3		31,39 INSIGNIFICANT
22	12	1930	0008	23.3N	120.4E			6.5	0	48 LIMITED
16	12	1941	1919	23.4N	120.4E			7.1	319	48 MODERATE
5	11	1904	2025	23.5N	120.4E			6.3	145	48 MODERATE
13	4	1906	2352	23.4N	120.4E			6.5	15	48 MODERATE
27	6	1839		23.4N	120.4E			VIII	117	48 MODERATE
2	7	1863		14.6N	120.5E				10,000	73 SEVERE PHILIPPINES: MANILA
3	12	1848		24.1N	120.5E			IX	1,000	48 SEVERE CHINA
	2	1845		24.1N	120.5E			VIII	380	48 MODERATE CHINA
9	6	1863		14.6N	120.5E			VII		72 MODERATE MANILA
9	12	1882		23.8N	120.5E			VIII	5	48 LIMITED CHINA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
12	7	1776		23.5N	120.5E			MANY	LIMITED	48,96 CHINA: TAIWAN, CHOU-LOUD MOUNTAINS
7	8	1792		23.6N	120.5E		IX	252	SEVERE	48 CHINA
16	3	1906	2242	23.6N	120.5E		7.0	1,276	SEVERE	97
16	3	1906	2242	23.6N	120.5E		7.0	1,258	SEVERE	6,48
16	3	1906	0000	23.6N	120.5E#	0	7.1	1,300	SEVERE	3
24	4	1904	0639	23.4N	120.5E		6.3	3	LIMITED	48
18	1	1964	1204	23.1N	120.5E		N 6.9	107	MODERATE	40
18	1	1964	1204	23.1N	120.5E		33 6.8	107	SEVERE	9
8	12	1930	0801	23.2N	120.6E		6.0	5	LIMITED	48
18	7	1880	0440	15.5N	120.6E		IX		SEVERE	55,72 PHILIPPINES: CENTRAL, S. LUZON, PASIG R., PAMPANGA
16	3	1892	1258	17.3N	120.6E		X	2	SEVERE	55,58,72 PHILIPPINES: N. LUZON, PANGASINAN UNION, ABRA
18	7	1880		15.5N	120.6E#		X	20	MODERATE	58 PHILIPPINES: CENTRAL LUZON, MANILA
28	12	1866	1900	18.2N	120.6E		VII		MODERATE	55,72 PHILIPPINES: N. LUZON, LAOAG
8	3	1875	1930	17.3N	120.6E		VII		MINOR	55,72 PHILIPPINES: ABRA, MOUNTAIN PROVINCES
18	2	1881		24.5N	120.7E		VII	9	LIMITED	48 CHINA
16	7	1935	1619	24.4N	120.7E		30 6.5	2,746	SEVERE	48
22	8	1936	0651	22.3N	120.8E		7.3	10	LIMITED	48
17	4	1935		24.5N	120.8E		6.0	44	LIMITED	48
20	4	1935	2201	24.2N	120.8E		7.1	3,276	SEVERE	3,6,48
14	11	1916	2231	24.0N	120.8E		6.0	1	LIMITED	48
3	6	1863		15.3N	120.8E		X	320	MODERATE	58 PHILIPPINES: CENTRAL LUZON, PAMPANGA, NUEVA, ECIJA
28	8	1916	0727	23.7N	120.9E		6.0	100	MODERATE	48
6	1	1917	1808	24.0N	120.9E		6.0	0	LIMITED	48
4	1	1917	1650	23.9N	120.9E			70	MODERATE	97
4	1	1917	1650	23.9N	120.9E		6.3	54	LIMITED	48
15	8	1959	0857	22.1N	120.9E		6.9	16	SEVERE	2,40
29	12	1949	0303	18.0N	121.0E		7.2	1	MODERATE	17 (TSUNAMI)
8	4	1942	1540	13.5N	121.0E		S 7.8			
3	2	1927	0353	33.5N	121.0E		6.5	0	LIMITED	48
29	12	1872	0348	13.8N	121.0E		VIII		MODERATE	55,72 PHILIPPINES: S. LUZON, N. MINDORO, RIZAL, CAVITE, B
1	10	1869	0335	14.0N	121.0E		VIII		MODERATE	55,72 PHILIPPINES: S. LUZON, MANILA, N. MINDORO
18	1	1830	0900	13.9N	121.0E		IX		MINOR	55,72 PHILIPPINES: S. LUZON, MANILA
3	6	1863		14.2N	121.0E			300	UNKNOWN	2,51 PHILIPPINES: MANILA
9	11	1828	0918	14.2N	121.0E		VIII		MODERATE	55,72 MANILA
3	6	1863	1120	14.2N	121.0E		X	500	SEVERE	55,72 MANILA
4	3	1862	0930	14.2N	121.0E		VII		LIMITED	55,72 PHILIPPINES: MANILA
26	10	1824		14.2N	121.0E		IX		MODERATE	55,72 MANILA
16	9	1852	1045	14.5N	121.0E		IX		SEVERE	55,72 PHILIPPINES: S. LUZON, ZAMBALLO, PAMPANGA, MANILA,
24	1	1853		13.7N	121.0E					55 PHILIPPINES: S. LUZON, BATANGAS
23	6	1877	2300	13.8N	121.0E		VII		LIMITED	55,72 PHILIPPINES: LAKE BOMBON, BATANGAS, CAVITE
25	5	1889	1823	13.7N	121.0E		VIII		MODERATE	55,72 PHILIPPINES: S. LUZON, N. MINDORO
20	7	1880	0740	14.5N	121.0E		VIII	20	SEVERE	55,72 PHILIPPINES: S.W. OF LAKE BAY, MANILA
1	2	1771		14.2N	121.0E#		VIII		SEVERE	55,72 MANILA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION	
			1796	14.6N	121.0E		IX		SEVERE	72	MANILA
			1648	15.0N	121.0E&		VIII		SEVERE	72	S. LUZON
20	4	1658	0900	14.6N	121.0E					55	PHILIPPINES: MANILA
7	12	1766	0245	14.2N	121.0E		VII		LIMITED	55,72	MANILA
			1796	14.2N	121.0E					55	PHILIPPINES: MANILA
20	8	1658	1700	15.0N	121.0E&		IX		MODERATE	72	S. LUZON
12	8	1743	0100	14.2N	121.0E					55	PHILIPPINES: S. LUZON, MANILA, RIZAL, LAGUNA, CAVIT
28	11	1728		14.4N	121.0E		IX		MODERATE	72	MANILA, S. LUZON
30	11	1645	1200	14.4N	121.0E					55	PHILIPPINES: ALL LUZON EXCEPT AMBOS, CAMARINES, A
15	5	1754	1300	13.9N	121.0E					55	PHILIPPINES: S. LUZON, BATANGAS
19	6	1665		14.6N	121.0E		VIII	19	MODERATE	55,72	MANILA
30	11	1645	2000	14.4N	121.0E		XI	600	EXTREME	2,72	MANILA, CAGAYAN
13	11	1767	0725	14.2N	121.0E		VII		MODERATE	55,72	PHILIPPINES: MANILA
			12 1770 2300	14.2N	121.0E#		VIII		MODERATE	72	MANILA
30	11	1645		14.4N	121.0E		X	MANY	MODERATE	58	PHILIPPINES: CENTRAL LUZON, MANILA
			11 1600	14.6N	121.0E		VI		MODERATE	55,72	PHILIPPINES: MANILA
25	6	1599	0320	14.6N	121.0E		IX		LIMITED	72	MANILA
24	6	1599	1720	14.6N	121.0E					55	PHILIPPINES: MANILA
16	1	1601	0000	14.6N	121.0E		VIII	SEVERAL	MODERATE	55,72	PHILIPPINES: MANILA
12	8	1749	0900	13.6N	121.1E		IX		SEVERE	72	TAAL VOLCANO
15	5	1754	2100	13.6N	121.1E		X		EXTREME	72	TAAL VOLCANO
24	9	1716		13.6N	121.1E		VII		SEVERE	72	TAAL VOLCANO, MANILA, RIZAL, LAGUNA, CAVITE, BATANG
			2 1675	13.4N	121.1E		VIII		MODERATE	55,72	PHILIPPINES: S. LUZON, MINDORO, BATANGAS
13	9	1896	0456	18.3N	121.1E		VII		LIMITED	55,72	PHILIPPINES: N.W. LUZON, LAOAG, APARRI
1	9	1881	0420	16.5N	121.1E		IX		MODERATE	55,58	PHILIPPINES: NUEVA, VIZCAYA, BAYOMBONG
24	12	1852		13.8N	121.1E		IX		MODERATE	72	BATANGAS PROVINCE, N. MINDANAO
13	10	1815		25.2N	121.2E		VIII	93	LIMITED	48	CHINA
9	9	1862	0819	17.5N	121.2E		VIII		MINOR	55,72	PHILIPPINES: N. LUZON, ILOCOS NORTE, ABRA, CAGAYAN
13	5	1895	2242	13.4N	121.2E		VII		MODERATE	55,72	PHILIPPINES: N. MINDORO, CALAPAN
7	6	1895	1356	13.4N	121.2E		VII		LIMITED	55,72	PHILIPPINES: N. MINDORO, CALAPAN
22	10	1951	0329	23.7N	121.2E		7.1	123	MODERATE	20	
14	11	1970	0758	22.7N	121.3E	28	6.1	2	UNKNOWN	35	
30	10	1862	0430	14.2N	121.3E		VI		MINOR	55,72	PHILIPPINES: LAGUNA, S. OF LAKE BAY
23	10	1869	0830	14.2N	121.3E		VII		MINOR	55,72	PHILIPPINES: S. LUZON, LAGUA
18	3	1811		25.2N	121.3E			14	LIMITED	48	CHINA
			1730	14.1N	121.4E		IX		MODERATE	72	TAYABAS, LAGUNA
			1743	13.4N	121.4E		IX		MODERATE	72	TAYABAS
13	7	1862	1625	15.7N	121.5E		VII		MINOR	55,72	PHILIPPINES: E. LUZON, COAST OF BALER, CASIGURAN
15	7	1880	0053	14.5N	121.5E		VIII		MODERATE	72	E. LUZON
14	7	1880	1653	14.5N	121.5E					55	PHILIPPINES: LAKE BAY, E. RANGE OF LUZON
24	4	1972	0957	23.6N	121.5E	33	7.2	4	MODERATE	31	
20	8	1937	1159	14.5N	121.5E		7.5				
15	4	1908	1954	25.0N	121.5E		7.3	9	LIMITED	48	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
7	4	1970	0534	15.7N	121.7E	37	7.5	15	MODERATE	35
7	4	1970	0534	15.8N	121.7E	37	7.6	14	MODERATE	39
11	12	1855		39.1N	121.7E		VII	7	LIMITED	48 CHINA
29	9	1824		13.7N	121.7E		IX		MODERATE	55,72 PHILIPPINES: S.E. LUZON,TAYABAS,RIZAL,LUGUNA,NU
19	7	1861		39.1N	121.7E		VIII	4	LIMITED	48 CHINA
18	12	1867		25.5N	121.7E			100	LIMITED	48 CHINA
4	1	1641		18.2N	121.7E		X		SEVERE	55,72 PHILIPPINES: N. LUZON,APARRI
5	12	1645	1500	16.0N	122.0E&					55 PHILIPPINES: ALL LUZON EXCEPT AMBOS,CAMARINES,A
5	12	1645	2300	16.0N	122.0E#		VII		SEVERE	72 PHILIPPINES
30	11	1619		17.5N	122.0E		X	MANY	SEVERE	58 PHILIPPINES: N. LUZON,CAGAYAN,ISABELA
11	1610			17.0N	122.0E		IX		SEVERE	55,72 PHILIPPINES: E. LUZON ALONG E. SIERRA MADRE MTS
24	8	1874	2230	6.8N	122.0E		VIII		MODERATE	55,72 PHILIPPINES: W. MINDANAO,ZAMBOANGA,BASILAN
8	3	1892		21.0N	122.0E		VIII		MODERATE	55,72 PHILIPPINES: BATANES I.,SAN DOMINGO
21	9	1897	0310	6.8N	122.0E#		VIII		LIMITED	58,72 PHILIPPINES: N.W. MINDANAO
21	9	1897	0515	6.8N	122.0E#		IX		SEVERE	72 ZAMBOANGA,BASILAN,JOLO ISLANDS
21	9	1897	0512	6.0N	122.0E		8.7		UNKNOWN	2,6,55 PHILIPPINES: W. MINDANAO,SULU,BASILAN,ZAMBOANGA
20	9	1897	1906	06.0N	122.0E		8.6		UNKNOWN	2,6,55 PHILIPPINES: N.W. MINDANAO,DAPITAN
21	9	1897		6.8N	122.0E#		X	100	MODERATE	58 PHILIPPINES: W. MINDANAO,SULU
30	9	1970	0952	20.6N	122.0E	33	5.1		LIMITED	35
12	4	1970	0401	15.0N	122.0E	24	7.0	0	LIMITED	35
23	2	1957	2026	23.0N	122.0E	69	7.1	11	MODERATE	26,40
16	3	1961	1345	8.2S	122.0E	74	6.3	2	SEVERE	40
8	1	1910	1449	35.0N	122.0E		6.8	30	LIMITED	48
5	6	1920	0421	23.5N	122.0E	S	8.3			
5	6	1920	0421	24.0N	122.0E		8.0	5	LIMITED	48
15	12	1901	0658	14.0N	122.0E		VII		LIMITED	72 S. LUZON
14	12	1901	2257	14.0N	122.0E	S	7.8			
5	8	1940	0955	40.0N	122.0E		5.8	0	MODERATE	48
24	1	1948	1746	10.5N	122.0E	S	8.3	72	3.5	12
13	2	1963	0850	24.5N	122.1E	47	7.3	4	MODERATE	10
5	2	1970	2205	12.5N	122.1E	11	6.6	3	MODERATE	35
29	11	1871	0830	6.6N	122.1E		VII		LIMITED	55,72 PHILIPPINES: BASILAN,JOLO ISLANDS
19	9	1859		40.7N	122.2E		VI	5	LIMITED	48 CHINA
25	1	1972	0206	22.4N	122.2E	33	7.5	1	LIMITED	31
1	8	1968	2019	16.5N	122.2E	37	7.3	216	SEVERE	39
25	10	1967	0059	24.5N	122.2E	63	7.0	2	MODERATE	11,39
1	8	1968	2019	16.5N	122.2E	36	7.3	207	7.5+	11
1	9	1922	1916	24.6N	122.2E		7.6	5	LIMITED	48
10	9	1901	0830	14.0N	122.3E		VII		MODERATE	72 E. TAYABAS,CALAUAG BAY
18	3	1977	2143	16.7N	122.3E	37	7.0	1	UNKNOWN	42
22	5	1972	0604	16.6N	122.3E	34	6.9		LIMITED	31
23	12	1978	1123	23.7N	122.4E	33	7.0	2	UNKNOWN	132
4	2	1975	1136	40.6N	122.5E	33	7.4		SEVERE	34

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
4	2	1975	1136	40.6N	122.5E#			10,000	UNKNOWN	51	CHINA: YINGTAO
24	11	1951	1850	23.0N	122.5E		7.3	17	MODERATE	20	
12	4	1910	0022	25.5N	122.5E	200	8.3				
		1620		10.8N	122.5E		IX		SEVERE	55,72	PHILIPPINES: PANAY,ILOILO,CAPIZ
13	7	1787	0700	10.8N	122.5E		X	MANY	SEVERE	72	PANAY ISLAND
13	7	1787	1223	10.8N	122.5E					55	PHILIPPINES: PANAY,ILOILO,CAPRIZ,ANTIQUE,GUIMAR
	5	1787		10.8N	122.5E#		X	MANY	MODERATE	58	PHILIPPINES: PANAY,CAPIZ,ILOILO
13	5	1787	1222	10.8N	122.5E					55	PHILIPPINES: PANAY,ILOILO,ANTIQUE
2	2	1887	1500	10.7N	122.6E		IX		MODERATE	55,72	PHILIPPINES: PANAY,ILOILO
26	8	1902	0109	10.8N	122.6E		IX		SEVERE	72	ILOILO,PANAY
12	3	1966	1631	24.2N	122.6E	48	7.6	7	MODERATE	39	
17	3	1973	0830	13.3N	122.7E	33	7.5	15	0.45	33	
26	4	1959	2040	24.8N	122.7E	113	7.5	2	LIMITED	24	
3	1	1897		6.0N	122.7E		X	100	MODERATE	58	PHILIPPINES: CAMIGUIN ISLAND,SULU,W. MINDANAO
26	4	1959	2040	24.9N	122.8E	113	7.7		INSIGNIFICANT	40	
22	1	1905	0243	1.0N	123.0E	90	8.4				
15	8	1918	1213	5.5N	123.0E	5	8.5	50		58	PHILIPPINES: MINDANAO,COTABATO
24	11	1907	2159	14.0N	123.0E		IX		SEVERE	72	CAMARINES PROVINCE
18	4	1907	2100	14.0N	123.0E		7.6	2	SEVERE	58,72	CAMARINES PROVINCE
21	12	1939	2100	0.0N	123.0E	150	8.6				
		1853		14.1N	123.0E					55	PHILIPPINES: S.E. LUZON,CAMARINES,NUEVA,CACERES
		1853		13.6N	123.0E		VIII		MODERATE	72	CAMARINES PROVINCE
22	3	1855		13.2N	123.0E		VIII		LIMITED	55,72	PHILIPPINES: SAND,S.E. LUZON,TAYABAS,CAMARINES,
16	8	1869	0700	12.3N	123.1E		IX		EXTREME	55,72	PHILIPPINES: MASBATE ISLAND
19	5	1875	0330	13.6N	123.2E		VIII		MODERATE	55,72	PHILIPPINES: S.E. LUZON,NUEVA,CACERES
24	3	1887	1314	13.6N	123.2E		VIII		MODERATE	55,72	PHILIPPINES: S.E. LUZON,CAMARINES,NUEVA,CACERES
31	3	1955	1818	8.1N	123.2E	96	VIII	400	MODERATE	82	PHILIPPINES: LANA O
31	3	1955	1817	8.1N	123.2E	96	7.3	432	5	3,14	
31	3	1955	1817	8.1N	123.2E	55	7.6	465	EXTREME	40	
13	5	1897	1122	12.3N	123.3E		7.9		SEVERE	6,55,72	PHILIPPINES: MASBATE I.
23	7	1885	1445	8.6N	123.4E		IX		MODERATE	55,58,72	PHILIPPINES: N.E. MINDANAO,DAPITAN
		1840		12.4N	123.5E		IX	MANY	SEVERE	72	SORSOGON,MASBATE
22	3	1944	0043	8.5S	123.5E	220	7.5				
21	8	1902	1917	6.3N	123.6E		X	MANY	SEVERE	72	S.W. MINDANAO,LANAO,COTABATO
5	7	1877	0407	12.7N	123.6E				INSIGNIFICANT	55,72	PHILIPPINES: CAMARINES,ALBAY,MASBATE
21	12	1636		7.6N	123.7E		IX		MODERATE	55,72	PHILIPPINES: ILLANA BAY,W. MINDANAO
		1628		13.2N	123.7E		IX		SEVERE	55,72	PHILIPPINES: S.E. LUZON,CAMALIG,ALBAY
5	10	1811		13.1N	123.9E					55	PHILIPPINES: S.E. LUZON,ALBAY
5	10	1811		13.1N	123.9E		IX		MODERATE	72	CAMARINES PROVINCE
2	2	1814		13.1N	123.9E		VII		SEVERE	55,72	PHILIPPINES: S.E. LUZON,ALBAY
2	7	1954	0245	13.0N	123.9E		6.8	22	MODERATE	40	
1	4	1955		8.0N	124.0E		VIII		MODERATE	58	PHILIPPINES: MINDANAO,LANAO
16	8	1976	1611	6.2N	124.0E#			8,000	130	51	PHILIPPINES: S. MINDANAO (TSUNAMI)

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
16	8	1976	1611	6.2N	124.0E	33	7.9	6,500	EXTREME	41	
28	5	1942	0101	0.0N	124.0E	120	7.5				
11	3	1958	0026	24.6N	124.2E	77	7.5	SEVERAL	UNKNOWN	27	
8	12	1871	0930	7.4N	124.2E		IX		MODERATE	55,72	PHILIPPINES: W. MINDANAO,COTOBATO,POLLOK
24	4	1771		24.0N	124.3E		7.4	11,941	SEVERE	56	RYUKYU IS. (TSUNAMI)
11	6	1972	1641	3.9N	124.3E	325	7.5				
21	8	1902		7.5N	124.3E		X	12	MODERATE	58	PHILIPPINES: MINDANAO,LANAO,COTABATO
24	4	1771		24.5N	124.5E			9,400	UNKNOWN	68	RYUKYU IS.
24	4	1771		24.5N	124.5E			11,700	UNKNOWN	51	RYUKYU IS.
20	2	1871	2000	9.2N	124.7E		IX		MODERATE	55,72	PHILIPPINES: CAMIGUIN ISLAND,MAMBAJAO,CATARMAN
6	2	1890	1610	11.3N	124.7E		VIII		LIMITED	55,72	PHILIPPINES: N. LEYTE,CARIGARA,BARUGO
19	10	1897		12.0N	125.0E#		IX		MODERATE	58	PHILIPPINES: N. SAMAR
19	10	1897	0715	12.0N	125.0E		VIII		LIMITED	55,72	PHILIPPINES: VASAYAS I.,N. SAMAR I.
10	6	1938	0953	25.5N	125.0E		7.7				
16	9	1878	1650	6.9N	125.1E		VII		MODERATE	55,72	PHILIPPINES: NEAR MT. APO
27	8	1977	0712	8.0S	125.3E	25	6.8	2	UNKNOWN	42	
30	6	1879	1838	9.8N	125.5E		X		EXTREME	55,58,72	PHILIPPINES: N.W. MINDANAO,SURIGAO
2	3	1856		3.5N	125.5E			3,000	UNKNOWN	73	JAVA: ISLAND OF GREAT SANGER(INCLUDES VOLCANIC)
1	1	1889	0229	9.8N	125.5E		VII		LIMITED	55,72	PHILIPPINES: N.E. MINDANAO,SURIGAO,BUTUAN
22	2	1885	0730	9.8N	125.5E		VIII		SEVERE	55,72	PHILIPPINES: E. MINDANAO,SURIGAO
31	10	1975	0828	12.5N	125.9E	50	7.6	1	UNKNOWN	34	
24	1	1965	0011	2.4S	126.0E	6	7.5	71	MODERATE	56	(TSUNAMI)
24	1	1965	0011	2.4S	126.0E	6	7.6	71	SEVERE	30	
14	5	1932	1311	0.5N	126.0E	S	8.3			2	
12	7	1911	0407	9.0N	126.0E		7.8				
16	12	1910	1445	4.5N	126.0E		7.5			86	
18	10	1897	2348	12.0N	126.0E		8.1		MODERATE	2,6,55,72	N. SAMAR
20	10	1897	1424	12.0N	126.0E		7.9		UNKNOWN	2,6	PHILIPPINES
9	2	1894	1642	6.0N	126.0E		VIII		MODERATE	55,72	PHILIPPINES: S.E. MINDANAO,E. DAVAO GULF
18	3	1873	0500	11.0N	126.0E		VIII		LIMITED	55,72	PHILIPPINES: S.E. SAMAR ISLAND
28	6	1894	1857	8.2N	126.1E		VIII	MANY	INSIGNIFICANT	55,72	PHILIPPINES: E. MINDANAO,AGUSAN R. VALLEY
21	6	1893	0650	8.2N	126.1E		X	MANY	INSIGNIFICANT	55,72	PHILIPPINES: E. MINDANAO,AGUSAN R.
25	6	1891	1210	8.2N	126.1E		VII		LIMITED	55,72	PHILIPPINES: E. MINDANAO,AGUSAN R.
10	8	1968	0207	1.4N	126.2E	33	7.6		LIMITED	11	
7	11	1976	1709	8.4N	126.3E	60	6.9		UNKNOWN	41	
14	3	1913	0845	4.5N	126.5E	S	8.3				
7	2	1918	0520	6.5N	126.5E	120	7.5				
14	4	1924	1620	6.5N	126.5E		8.3			58	
1	4	1936	0209	4.5N	126.5E		7.7				
2	12	1972	0019	6.4N	126.6E	33	7.4		UNKNOWN	31	(TSUNAMI)
2	12	1972	0019	6.5N	126.6E	33	7.8		INSIGNIFICANT	39	
25	6	1907	1754	1.0N	127.0E	200	7.9				
18	3	1909	1630	8.0N	127.0E		VIII		MODERATE	72	E. MINDANAO

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
29	6	1926	1427	27.0N	127.0E	130	7.5				
11	11	1921	1836	8.0N	127.0E		7.5	600	UNKNOWN	3,58	
28	12	1903	0256	7.0N	127.0E		S 7.8		MODERATE	72	DAVAO GULF
5	5	1941	1518	46.7N	127.1E		6.0	132	SEVERE	48	
19	3	1952	1057	9.5N	127.2E		S 7.9				
25	1	1846		1.4N	127.2E					55	MOLUCCAS, TERNATE (TSUNAMI)
14	2	1846		0.5N	127.3E			MANY	SEVERE	73	TERNATE
24	9	1957	0821	5.5N	127.5E		7.6				
1	3	1948	0112	3.0S	127.5E	50	7.9				
3	7	1936	2102	35.2N	127.6E		5.0	0-9	SEVERE	45	
25	5	1943	2307	7.5N	128.0E		7.9				
30	8	1917	0407	7.5S	128.0E	100	7.8				
8	10	1950	0323	3.7S	128.2E		7.6				
12	2	1674		3.5S	128.2E			2,342	UNKNOWN	51	INDONESIA, AMBOINA
29	9	1899	1703	3.0S	128.5E		7.8	3,864	UNKNOWN	2,6,51	
7	10	1923	0329	1.7S	128.7E		7.5				
18	11	1918	1841	7.0S	129.0E	190	8.1				
15	6	1911	1426	29.0N	129.0E	160	8.7				
2	11	1950	1527	6.5S	129.5E	50	8.1				
4	11	1963	0117	6.8S	129.6E	80	8.2		LIMITED	10	
7	12	1922		33.0N	130.0E			27	MODERATE	137	JAPAN: SIMABARA
24	8	1904	2059	30.0N	130.0E		S 7.9				
24	6	1901	0702	27.0N	130.0E		S 7.9				
23	3	1792		32.5N	130.0E			15,200	EXTREME	137	JAPAN: HIZEN (TSUNAMI)
21	5	1792		32.5N	130.0E			15,000	UNKNOWN	51,68	JAPAN
7	12	1922	1650	32.7N	130.3E			27	LIMITED	97	
1	2	1938	1904	5.2S	130.5E		S 8.6				
21	2	1968	0145	32.0N	130.6E		3 6.3	3	MODERATE	11	
15	6	1911		28.0N	131.0E			12	MODERATE	137	JAPAN: KIKAI ISLAND
10	11	1909	0613	32.0N	131.0E	190	7.9				
		1914		31.5N	131.0E			29	LIMITED	137	JAPAN: SAKURAZIMA (OMITS ERUPTION CASUALTIES)
24	11	1899	1855	32.0N	131.0E		7.8		UNKNOWN	6	JAPAN
24	11	1899	1842	32.0N	131.0E		7.8		UNKNOWN	6	JAPAN
28	7	1889		31.5N	131.0E			20	LIMITED	137	JAPAN: KUMAMOTO
2	11	1931	1002	32.0N	131.5E		7.5				
25	7	1970	2241	32.1N	131.6E	34	7.0		LIMITED	35	
		1596		33.3N	131.7E			708	SEVERE	97	JAPAN
1	9	1596		33.3N	131.7E		6.9	708	LIMITED	56	(TSUNAMI)
26	2	1961	1810	31.6N	131.8E	40	7.1	2	MODERATE	15	
18	11	1941	1646	32.0N	132.0E		S 7.9				
2	6	1905	0539	34.0N	132.0E	100	7.9	11	LIMITED	137	JAPAN: AKI
1	9	1596		33.0N	132.0E			700	UNKNOWN	137	JAPAN: OITA (TSUNAMI)
		1667		34.5N	132.0E			7	LIMITED	137	JAPAN: TUWANO

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
30	10	1662		31.5N	132.0E			20	SEVERE	137	JAPAN: HYUGA (TSUNAMI)
14	3	1872	0826	35.0N	132.0E			552	SEVERE	97	JAPAN
1	4	1968	0042	32.5N	132.2E	33	7.8	1	MODERATE	39	(TSUNAMI)
13	3	1872		35.0N	132.5E			600	SEVERE	137	JAPAN: HAMADA
3	6	1978	2003	35.3N	132.6E	33	5.1MB		LIMITED	132	
25	12	1930	1903	35.1N	133.0E	5	7.0	272	SEVERE	152	
		1711		35.5N	133.0E			4	MODERATE	137	JAPAN: MIMASAKA
28	10	1707		33.5N	133.5E#			30,000	EXTREME	56	JAPAN (TSUNAMI)
28	10	1707	0400	33.5N	133.5E			4,900	EXTREME	97	JAPAN
11	1	1900	0907	36.5N	133.5E		7.8			6	
29	11	684	1500	33.2N	133.7E			2,000	SEVERE	97	JAPAN
10	9	1943	0837	35.3N	133.9E			1,400	EXTREME	41	JAPAN
10	9	1943	0836	35.3N	134.0E		7.2	1,190	EXTREME	3,6	
7	6	1904	0817	40.0N	134.0E	350	7.9				
24	12	1854		32.5N	134.0E					137	JAPAN (EFFECTS INCLUDED WITH 23RD)
1	3	1959	1649	0.9S	134.1E	100	7.0		LIMITED	24	
10	9	1943	0837	35.5N	134.2E	10	7.4	1,005	EXTREME	152	
10	9	1943		35.5N	134.2E			1,190	EXTREME	136	JAPAN: TOTTORI
29	11	648		33.8N	134.2E		8.4		UNKNOWN	2	JAPAN: NANKAIDO, SHIKOKU, AWAJI, KII PROV.
27	7	1955	0120	33.7N	134.3E		6.0	1	LIMITED	14	
20	12	1946	1919	32.5N	134.5E	S	8.4	1,330	SEVERE	3,21	JAPAN: HONSHU
6	11	1943	0831	6.0S	134.5E		7.6				
7	3	1927	0927	35.7N	134.7E	S	7.9	3,020	SEVERE	2,3	
25	5	1925	0210	35.7N	134.8E	S	6.8	428	SEVERE	97	
7	3	1927	0928	35.7N	135.0E	S	7.9	3,017	EXTREME	97,137	JAPAN: TANGO
30	1	1918	2118	45.5N	135.0E	330	7.7				
23	5	1925	0210	35.7N	135.0E		6.8	395	SEVERE	6,137	
3	8	1361		33.4N	135.0E		8.4	500	MODERATE	2,56	JAPAN: KINAI (TSUNAMI)
26	8	387		34.6N	135.1E		8.6		UNKNOWN	2	JAPAN: MINO
28	12	1828		36.5N	135.2E			30,000	UNKNOWN	7	JAPAN: ECHIGO (HONSHU)
18	12	1828		36.5N	135.2E					55	JAPAN: ECHIGO, KIUSHU (TSUNAMI)
13	1	1916	0820	3.0S	135.5E	S	8.1				
20	12	1946	1919	33.0N	135.6E	30	8.1	1,500	SEVERE	56	(TSUNAMI)
21	12	1946		33.0N	135.6E			1,405	EXTREME	136	JAPAN: NANKAIDO (TSUNAMI)
20	12	1946	1919	33.0N	135.6E	30	8.1	1,362	EXTREME	152	
24	12	1854	0800	33.2N	135.6E		8.4	3,000	EXTREME	56,97	(TSUNAMI)
17	7	1952	1609	34.4N	135.8E	70	6.8	9	MODERATE	19	
12	9	1979	0517	1.7S	135.9E	33	8.1	15	SEVERE	131	WEST IRIAN
28	6	1948	0713	36.5N	136.0E#			3,895	UNKNOWN	51	JAPAN: FUKUI
7	12	1944	0436	33.7N	136.0E	S	8.3	1,000	UNKNOWN	2,3	
28	6	1948	0713	36.5N	136.0E		7.3	5,390	EXTREME	3,12	
9	7	1854		36.0N	136.0E			1,352	SEVERE	137	JAPAN: IGA
19	8	1330		35.0N	136.0E			280		137	JAPAN: KYOTO



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
			1361	34.0N	136.0E				EXTREME	97	JAPAN
2	7	1596		35.0N	136.0E			MANY	SEVERE	73	JAPAN
2	7	1596		35.0N	136.0E			2,000		137	JAPAN: HUSIMI
16	6	1662		35.5N	136.0E			600	SEVERAL	137	JAPAN: YAMASIRO
27	10	1891	2136	35.6N	136.2E			7,273	EXTREME	97	JAPAN
7	12	1944	0445	33.7N	136.2E	15	8.0	998	EXTREME	152	
28	6	1948	0713	36.1N	136.2E	20	7.3	3,769	EXTREME	152	
7	12	1944		33.7N	136.2E			999	EXTREME	136	JAPAN: TONANKAI (TSUNAMI)
7	12	1944	0436	33.7N	136.2E	15		998	SEVERE	56	(TSUNAMI)
14	8	1909	0631	35.5N	136.3E			41	MODERATE	97	
19	8	1961	0533	36.0N	136.7E		7.3	10	MODERATE	15	
27	10	1891	2137	35.4N	136.8E			7,279	EXTREME	5	JAPAN: MINO-OWARI
5	6	745		35.4N	136.8E		7.9		UNKNOWN	2,5	JAPAN: MINO
1	8	1729		37.5N	137.0E			5	MODERATE	137	JAPAN: NOTO
28	10	1891		35.5N	137.0E			7,273	EXTREME	137	JAPAN: OWARI
28	10	1891		35.5N	137.0E		8.4	7,270	UNKNOWN	2,3,51,68	JAPAN
22	6	1957	2350	1.5S	137.0E		7.5		SEVERE	26	
14	8	1909		35.5N	137.0E			41	MODERATE	137	JAPAN: OOMI
16	8	1911	2241	7.0N	137.0E	S	8.1				
26	5	1914	1422	2.0S	137.0E		7.9				
7	12	1944	0436	33.0N	137.0E				MODERATE	41	JAPAN
12	1	1945	1838	34.7N	137.0E		7.1	1,180	SEVERE	152	
12	1	1945	1838	34.7N	137.1E		7.1	1,900	SEVERE	2,6	
13	1	1945		34.7N	137.2E			1,961	SEVERE	136	JAPAN: MIKAWA
17	12	1096		34.2N	137.3E		8.4	400		56	(TSUNAMI)
		1858		36.0N	137.5E			203	MODERATE	137	JAPAN: HIDA
23	12	1854		34.1N	137.8E#			31,000	UNKNOWN	51	JAPAN: HONSHU, SHIKOKU
23	12	1854		34.1N	137.8E		8.4	200	MODERATE	56	(TSUNAMI)
23	12	1854		33.5N	138.0E			5,000	EXTREME	137	JAPAN (TSUNAMI INCLUDES EFFECT OF 24TH)
23	12	1854		33.5N	138.0E		8.4	3,000	EXTREME	2,68,6	JAPAN
8	5	1847	1221	36.5N	138.0E			10,000	EXTREME	97	JAPAN
8	5	1847		37.0N	138.0E			12,000	EXTREME	137	JAPAN: SINAMO
8	5	1847		37.0N	138.0E		7.4	8,600	UNKNOWN	51	JAPAN
8	5	1847		37.0N	138.0E		7.4	12,000	EXTREME	2,6,68	JAPAN
28	11	1614		37.5N	138.0E			MANY		137	JAPAN: TAKATA (TSUNAMI)
20	9	1498		35.0N	138.0E		8.6	41,000	UNKNOWN	2,51	JAPAN: TOTOMI, TOKAIKO
26	11	1614		37.5N	138.0E		7.7	MANY	UNKNOWN	2,56,68	(TSUNAMI)
31	1	1605		32.5N	138.0E			5,000		137	JAPAN: TOKAIDO (TSUNAMI)
28	12	1802		38.0N	138.0E			20	MODERATE	137	JAPAN: SADO
11	2	1666		37.0N	138.0E			1,500		137	JAPAN: TAKATA
28	4	1714		36.5N	138.0E			56	LIMITED	137	JAPAN: OOMATI
20	5	1751		37.5N	138.0E		6.6	2,000	SEVERE	2,6,68	
		1751		37.5N	138.0E			2,000	EXTREME	137	JAPAN: TAKATA

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
		1935		35.0N	138.0E			13	LIMITED	137	JAPAN: SIDUAKA
11	7	1935	1835	35.0N	138.0E	10	6.3	9	LIMITED	152	
21	1	1906	1349	34.0N	138.0E	340	8.4				
19	4	1965	2341	34.9N	138.0E	36	5.6	1	LIMITED	30	
19	4	1965	2341	34.9N	138.0E	50	6.3	2	LIMITED	40	
22	11	1965	1757	36.6N	138.2E		5.0		MODERATE	40	
9	12	1802	0500	37.8N	138.2E			19	MODERATE	97	JAPAN
20	9	1498		34.1N	138.2E		8.6	5,000	MODERATE	56	(TSUNAMI)
1	2	1961	1839	37.4N	138.4E	38	5.2	5	MODERATE	39	
26	10	1926	0344	3.2S	138.5E	S	7.9				
12	2	1910	1810	33.0N	138.5E	350	7.6			85	
8	5	1974	2333	34.5N	138.7E	2	6.7	27	MODERATE	36	JAPAN: NAKAGI
25	11	1930	1903	35.0N	139.0E		7.1	259	EXTREME	137	JAPAN: IJU
		1931		36.0N	139.0E			13	LIMITED	137	JAPAN: HUSASI
1	8	1940	1508	44.5N	139.0E		7.7				
7	12	1833		38.5N	139.0E			42	MODERATE	137	JAPAN: UZON, SADO (TSUNAMI)
22	10	1894		38.0N	139.0E			726	SEVERE	137	JAPAN: SYONAI
16	5	1964	0401	38.3N	139.1E#			26	800	51	JAPAN: NIIGATA
16	6	1964	0401	38.3N	139.1E	57	7.4	26	EXTREME	9	
16	6	1964	0401	38.3N	139.1E	57	7.4	36	EXTREME	40	
1	7	1968	1045	35.9N	139.2E	67	5.9	1	LIMITED	11	
21	11	1931	0220	36.1N	139.2E	20	7.0	16	MODERATE	152	
7	12	1833		38.7N	139.2E			63	LIMITED	56	(TSUNAMI)
12	9	1495		35.5N	139.2E			200	UNKNOWN	56	(TSUNAMI)
27	5	1293		35.2N	139.3E			22,000	UNKNOWN	51	JAPAN: KAMAKURA
20	5	1293		35.2N	139.3E			30,000	UNKNOWN	7	JAPAN: KAMAKURA
28	5	1968	1327	2.9S	139.3E	65	7.7		INSIGNIFICANT	39	
14	1	1978	0324	34.7N	139.4E	23	6.5	18	SEVERE	132	
25	11	1930	1903	34.5N	139.4E		7.0	259	UNKNOWN	1,5,6	
10	8	818		35.1N	139.4E		7.9		UNKNOWN	2,55	JAPAN: SAGAMI
		1703		35.4N	139.4E			200,000	SEVERE	73	JAPAN: JEDDO
		1704		41.0N	139.5E			58	MODERATE	137	JAPAN
19	6	1694		40.0N	139.5E			394	SEVERE	137	JAPAN: UGO
28	2	1633		35.5N	139.5E			150		137	JAPAN: ODAWARA
11	3	1853		35.5N	139.5E			79	SEVERE	137	JAPAN: ODAWARA
		1828		37.5N	139.5E			1,443	EXTREME	137	JAPAN: SANDYE
1	8	1940	1508	44.1N	139.5E	10	7.0	7	LIMITED	56	(TSUNAMI)
2	9	1923	0246	35.0N	139.5E		7.7				
1	9	1923		35.3N	139.5E#			142,807	2,800	51	JAPAN: TOYKO, YOKOHAMA
		1924		35.5N	139.5E			14	SEVERE	137	JAPAN: SAGAMI (POSSIBLY 8/6 1422)
1	9	1923	0259	35.3N	139.5E	S	8.3	99,331	EXTREME	2,97	JAPAN: TOKYO, YOKOHAMA
1	9	1923		35.0N	139.5E			99,331	EXTREME	137	JAPAN: KWANTO
10	1	1971	0717	3.1S	139.6E	33	8.1		MODERATE	39	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
7	12	1812		35.4N	139.6E		6.6	MANY	UNKNOWN	150 JAPAN
26	6	1615		35.7N	139.7E		6.4	MANY	MODERATE	150 JAPAN
20	6	1894	0504	36.0N	139.7E			26	LIMITED	97 JAPAN
31	12	1703		34.7N	139.8E			56	LIMITED	56 (TSUNAMI)
1	5	1939	0558	40.0N	139.8E		7.0	27	MODERATE	152
29	10	1976		4.5S	139.9E#			6,000	UNKNOWN	51 INDONESIA: W. IRIAN
29	10	1976	0251	4.5S	139.9E	33	7.2	133	UNKNOWN	41
25	6	1976	1918	4.6S	140.0E	33	7.1	6,000	SEVERE	41 W. IRIAN
25	12	1949	2324	36.5N	140.0E		6.3	8	UNKNOWN	17
		1914		39.4N	140.0E			94	MODERATE	137 JAPAN: UGO
7	10	1900	2104	4.0S	140.0E		S 7.8			
30	12	1703	1700	35.0N	140.0E		8.2	5,233	EXTREME	2,3,55,68,97,137 JAPAN: MUSASHI, TOKYO, ODAWARA, (TSUNAMI)
10	7	1804	1500	39.2N	140.0E			300	SEVERE	97 JAPAN
10	7	1804		39.0N	140.0E			333	SEVERE	137 JAPAN: KISAKATA
		1810		40.0N	140.0E			59	MODERATE	137 JAPAN: OGA
8	2	1793		41.0N	140.0E			12	LIMITED	137 JAPAN: W. TUGARO
		1659		37.5N	140.0E			39	MODERATE	137 JAPAN: AIDU
29	7	1649		35.5N	140.0E			700		137 JAPAN: YEDO
16	6	1647		36.0N	140.0E		6.4	SOME	UNKNOWN	150 JAPAN
27	9	1611		37.5N	140.0E			3,700	UNKNOWN	51,68,137 JAPAN: AIDU
20	6	1894		36.0N	140.0E			24	LIMITED	137 JAPAN: TOKYO
7	2	1897	0736	40.0N	140.0E		8.3		UNKNOWN	6 JAPAN
11	11	1855		36.0N	140.0E		6.9	6,757	EXTREME	2,68,6 JAPAN
11	11	1855		36.0N	140.0E		6.9	7,000	UNKNOWN	51 JAPAN
11	11	1855		36.0N	140.0E			6,757	EXTREME	137 JAPAN: TOKYO
29	9	1956	2320	35.5N	140.2E	70	6.9	4	LIMITED	8
19	10	1955	0145	40.4N	140.3E	N		1	LIMITED	40
31	1	1605		34.3N	140.4E		7.9	3,862	UNKNOWN	2,56 JAPAN (TSUNAMI)
8	2	1793	0330	41.0N	140.5E			12	LIMITED	97 JAPAN
7	10	1968	1920	26.2N	140.5E	516	7.5			
4	12	1972	1016	33.3N	140.6E	66	7.4		LIMITED	31
31	8	1896	0806	39.5N	140.6E			206	SEVERE	97 JAPAN
29	2	1972	0922	33.3N	140.7E	56	7.2		UNKNOWN	31
29	9	1956	2120	37.9N	140.9E		6.2	1	LIMITED	8
29	7	1917		3.5S	141.0E		7.6			84
31	8	1896		40.0N	141.0E			206	SEVERE	137 JAPAN: UGO
		1766		41.0N	141.0E			1,335	EXTREME	137 JAPAN: HIROSAKI
		1640		42.0N	141.0E			700	LIMITED	5 JAPAN (TSUNAMI)
23	8	1856		42.0N	141.1E		6.9	26	LIMITED	65 JAPAN: OSHIMA (TSUNAMI)
23	8	1856		42.0N	141.1E		6.9	21	LIMITED	56 (TSUNAMI)
30	4	1962	0226	38.7N	141.1E	100	6.4	3	SEVERE	40
5	9	1971	1835	46.8N	141.2E	9	7.5		INSIGNIFICANT	44
25	11	1953	1748	33.9N	141.5E	33	8.3	1	LIMITED	16 (TSUNAMI)

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
10	8	1901		40.5N	141.5E		7.8	18	MODERATE	65	JAPAN: HACHINOHE
20	2	1897		38.1N	141.5E		7.8		UNKNOWN	65	JAPAN: SENDAI
4	11	1677		36.6N	141.5E		7.4	203	LIMITED	56	(TSUNAMI)
13	7	869		39.0N	141.6E		8.6		UNKNOWN	2	JAPAN: OSJU
21	10	1861		37.7N	141.6E		6.4		UNKNOWN	65	JAPAN: SANRIKU,RIKUZEN,RIKUCHU
9	6	1646		37.7N	141.7E		7.6		SEVERE	65	JAPAN: S. SANRIKU
5	11	1938	1050	37.2N	141.7E	60	7.7				
5	11	1938	0843	36.7N	141.7E	60	7.7				
20	9	1935	0146	3.5S	141.7E		7.9				
20	2	1978	0436	39.2N	141.9E	40	6.1	0	UNKNOWN	132	
12	6	1978	0814	38.4N	141.9E	42	7.5	22	MODERATE	132	
20	7	1835		37.9N	141.9E		7.6		UNKNOWN	65	JAPAN: SANRIKU
19	2	1897	2048	38.0N	142.0E		8.3		UNKNOWN	6	JAPAN
19	2	1897	2348	38.0N	142.0E		8.3		UNKNOWN	6	JAPAN
22	4	1898	2336	39.0N	142.0E		8.3		UNKNOWN	6	JAPAN
9	9	1616		38.1N	142.0E		7.0		MODERATE	65	JAPAN: SENDAI CITY
29	1	1763		40.8N	142.0E		7.4		UNKNOWN	65	JAPAN: N. SANRIKU,MUTSU
27	5	1770		38.6N	142.0E		7.4	SOME	UNKNOWN	65	JAPAN: MORIOKA
15	3	1763		40.7N	142.0E		7.4	MANY	MODERATE	56,65	JAPAN: HACHINOHE CITY (TSUNAMI)
2	10	1678		38.6N	142.0E		7.4	1	MODERATE	65	JAPAN: SANRIKU,RIKUCHU
6	11	1938	0853	37.2N	142.2E	60	7.6				
16	8	1739		40.7N	142.3E		7.1		MODERATE	65	JAPAN: N. SANRIKU,MUTSU
17	2	1793		38.3N	142.4E		7.1	733	LIMITED	56	(TSUNAMI)
17	2	1793		38.3N	142.4E		7.1	25	MODERATE	65	JAPAN: SANRIKU,RIKUZEN,RIKUCHU
30	12	1730		43.3N	142.5E			137,000	UNKNOWN	3	JAPAN: HOKAIDO
9	3	1931	0348	40.5N	142.5E		7.7				
6	7	1905	1621	39.5N	142.5E	S	7.9				
3	7	1918	0652	3.5S	142.5E		7.5				
13	3	1909	1429	31.5N	142.5E	80	8.3				
9	3	1952	1703	41.7N	142.5E		7.1	0	MODERATE	19	
12	6	1968	1341	39.5N	142.7E	45	7.8		INSIGNIFICANT	39	
13	5	1717		39.0N	142.7E		7.6		UNKNOWN	65	JAPAN: HANAMAKI
3	6	1772		39.3N	142.7E		7.4	SOME	UNKNOWN	65	JAPAN: SANRIKU,RIKUZEN,RIKUCHU
20	1	1970	1733	42.5N	142.9E	46	6.7	1	LIMITED	35	
4	3	1952	0603	42.5N	143.0E	S	8.3	31	SEVERE	19	JAPAN (TSUNAMI)
4	3	1952		42.5N	143.0E	S	8.6	600	UNKNOWN	2	
1	9	1905	0245	45.0N	143.0E	230	7.5				
24	11	1914	1153	22.0N	143.0E	110	8.7				
2	3	1933		38.5N	143.0E			2,896	SEVERE	137	JAPAN: SANRIKU (TSUNAMI)
2	12	1611		39.0N	143.0E		8.1	4,783	SEVERE	5,56	JAPAN (TSUNAMI)
13	7	869		39.0N	143.0E			1,000	SEVERE	5	JAPAN: SANRIKU (TSUNAMI)
16	8	1897	0754	39.0N	143.0E		7.9		UNKNOWN	6	JAPAN
5	8	1897	0012	38.0N	143.0E		8.7		UNKNOWN	6	JAPAN

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
16	5	1968	0048	40.8N	143.2E	7	7.9	48	131	3,11 (TSUNAMI)
19	1	1969	0702	45.0N	143.2E	204	7.6		INSIGNIFICANT	44
10	2	1903	1239	14.0N	143.3E		VII		LIMITED	72 GUAM
9	12	1909	2300	14.0N	143.3E		VIII		SEVERE	72 GUAM
16	5	1892	2110	14.0N	143.3E		VIII		SEVERE	72 GUAM: AGANA
25	1	1849	0656	14.0N	143.3E		IX		SEVERE	55,72 PHILIPPINES: LADRONES ISLANDS, GUAM, BAY OF ULMAT
	4	1825		14.0N	143.3E		VIII		MODERATE	55,72 MARINAS ISLAND, LADRONES ISLAND
1	7	1862	0748	14.0N	143.3E		VII		LIMITED	55,72 GUAM: AGANA
15	6	1896		39.2N	143.5E			28,321	SEVERE	5 JAPAN: SANRIKU (TSUNAMI)
15	6	1896		39.0N	143.5E			27,122	EXTREME	137 JAPAN: SANRIKU (TSUNAMI)
13	7	869		38.5N	143.6E		8.6	1,000	EXTREME	56 (TSUNAMI)
2	12	1611		38.2N	143.8E		8.1	4,000	UNKNOWN	2,51,65,68 JAPAN: SANRIKU
13	7	869		38.5N	143.8E		8.6	1,000	SEVERE	65 JAPAN: SANRIKU
4	3	1952		42.2N	143.9E		8.1	33	SEVERE	65 JAPAN: TOKACHI
<b>144°E</b>										
9	8	1901	0923	40.0N	144.0E		S 7.9			
9	8	1901	1833	40.0N	144.0E		S 8.3			
28	2	1950	1020	46.0N	144.0E	340	7.9			
2	12	1611		40.0N	144.0E		8.1	1,788	UNKNOWN	69 JAPAN
2	12	1611		40.0N	144.0E		8.1	3,000		68,137 JAPAN: YEZO (TSUNAMI)
13	4	1677		38.7N	144.0E		8.1		UNKNOWN	2,55,65 JAPAN: SANRIKU, TSUGARU, NAMBU
5	3	1956	2340	44.3N	144.1E		6.6		LIMITED	40 JAPAN: HOKKAIDO
15	6	1896	1033	39.6N	144.2E		7.6	27,122	SEVERE	56 (TSUNAMI)
15	6	1896		39.6N	144.2E		7.6	27,122	EXTREME	2,3,51,65,68 JAPAN: SANRIKU (TSUNAMI)
2	3	1933	1730	39.2N	144.5E		S 8.9	3,022	SEVERE	1,2
2	3	1933	1731	39.1N	144.7E	10	8.3	3,012	EXTREME	56 (TSUNAMI)
3	3	1933		39.1N	144.7E		8.3	3,008	EXTREME	65,152 JAPAN: SANRIKU (TSUNAMI)
1	11	1975	0117	13.8N	144.7E	113	7.1	0	UNKNOWN	34
25	4	1843		41.8N	144.8E		8.4	45	MINOR	2,55,56 JAPAN: YEZO, KUSHIRO, NEMURO (TSUNAMI)
9	12	1909	2330	13.0N	145.0E				MODERATE	60
9	12	1909	2328	12.5N	145.0E	100	8.0			85
31	10	1970	1753	4.9S	145.4E	42	7.0	5	MODERATE	35,39
3	5	1919	0052	40.5N	145.5E		7.6			
22	3	1894		42.0N	145.5E				LIMITED	137 JAPAN: NEMURO (TSUNAMI)
17	6	1973	0355	43.2N	145.7E	48	7.7	0	5	39
25	6	1979	0529	5.1S	145.7E	195	6.0MB		MODERATE	131 NEW GUINEA: E. PAPUA
18	3	1904	1342	42.5N	145.8E		7.6		INSIGNIFICANT	44
13	7	869		38.5N	145.8E		8.6	1,000	SEVERE	65 JAPAN: SANRIKU
22	9	1902	0130	18.0N	146.0E		S 8.1		SEVERE	6,60,72 GUAM: AGANA
25	12	1900	0504	43.0N	146.0E		S 7.8			

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION	
24	6	1973	0243	43.3N	146.4E	50	7.1	0	LIMITED	33	
6	12	1978	1402	44.7N	146.4E	97	7.5MB		UNKNOWN	132	
19	11	1959	1108	5.9S	146.4E	115	7.0		LIMITED	24	
11	9	1935	1404	43.0N	146.5E	60	7.6				
25	5	1907	1402	51.5N	147.0E	600	7.9				
11	8	1969	2127	43.5N	147.3E	28	7.8		UNKNOWN	11	
30	6	1924	1544	45.1N	147.4E	120	7.6		INSIGNIFICANT	44	
12	5	1938	1538	6.0S	147.7E		7.5				
5	4	1901	2330	45.0N	148.0E	S	7.9				
5	6	1902		50.0N	148.0E		8.0		INSIGNIFICANT	44	
6	5	1947	2030	6.5S	148.5E		7.6				
6	11	1958	2258	44.3N	148.5E	32	8.7		LIMITED	44	
14	9	1906	1604	7.0S	149.0E	S	8.4				
21	2	1937	0702	44.5N	149.4E		7.6		INSIGNIFICANT	44	
13	10	1963	0517	44.8N	149.5E		8.3		INSIGNIFICANT	40,44	
28	12	1945	1748	6.0S	150.0E		7.8				
24	1	1902	2327	8.0S	150.0E	S	7.8				
11	10	1956	1224	46.0N	150.5E	110	7.6				
17	11	1964	0815	5.7S	150.7E	45	7.6		INSIGNIFICANT	2,40	
8	11	1918	0438	44.5N	151.5E	S	7.9				
7	9	1918	1716	45.5N	151.5E	S	8.2	23	LIMITED	56	(TSUNAMI)
24	10	1922	2121	47.0N	151.8E	80	7.5		INSIGNIFICANT	44	
19	1	1913	2348	46.0N	152.0E	150	7.5		INSIGNIFICANT	44	
2	2	1920	1122	4.0S	152.5E		7.7				
13	8	1967	2215	4.4S	152.5E	30	6.2		SEVERE	39	
25	5	1944	1258	2.5S	152.7E		7.5				
26	7	1971	0123	4.9S	153.1E	48	7.9		LIMITED	32	(TSUNAMI)
12	2	1968	0544	5.5S	153.2E	74	7.8		LIMITED	11	
29	9	1946	0301	4.5S	153.5E		7.8				
14	7	1971	0611	5.4S	153.8E	47	7.9				
23	4	1953	1624	4.0S	154.0E		7.5				
1	1	1916	1320	4.0S	154.0E	S	7.9				
31	10	1916	1531	45.5N	154.0E		7.7		INSIGNIFICANT	44	
6	5	1919	1941	5.0S	154.0E	S	8.1				
13	1	1929	0003	49.7N	154.7E	140	7.7				
1	5	1915	0500	47.0N	155.0E	S	8.1				
6	5	1919	0000	5.9S	155.0E		8.1			2	
20	7	1975	1437	6.5S	155.0E	49	7.9		UNKNOWN	34	(TSUNAMI)
20	7	1975	1954	7.1S	155.1E	44	7.7				
30	1	1939	0218	6.5S	155.5E	S	7.8				
17	8	1959	2104	7.8S	156.3E		7.3		SEVERE	24	
28	2	1973	0637	50.4N	156.7E	27	7.5		INSIGNIFICANT	44	
28	11	1943	1711	54.9N	156.8E		7.6		INSIGNIFICANT	44	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION	
4	5	1911	2336	51.0N	157.0E	240	7.6				
26	6	1924	137	56.0S	157.5E		S 8.3				
30	4	1939	255	10.5S	158.5E		S 8.1				
5	1	1969	1326	7.9S	158.9E	47	7.5		LIMITED	11	
6	9	1943	341	53.0S	159.0E		S 7.9				
27	6	1904	9	52.0N	159.0E		7.9				
25	6	1904	2100	52.0N	159.0E		8.1			1	
25	6	1904	1445	52.0N	159.0E		S 8.3				
24	7	1924	455	49.5S	159.0E	50	7.5				
23	11	1899	949	53.0N	159.0E		7.9		UNKNOWN	2,6	KAMCHATKA
24	11	1971	1935	52.8N	159.1E	106	7.5				
4	11	1952	1658	52.7N	159.5E	45	8.2	MANY	MODERATE	56	(TSUNAMI)
4	11	1952	1658	52.7N	159.5E		S 8.4		UNKNOWN	19	
4	5	1959	715	52.5N	159.5E	60	8.0	1	MODERATE	24	
20	4	1977	2342	9.8S	160.3E	19	7.6				
21	4	1977	424	9.9S	160.7E	33	8.1	18	SEVERE	42	
20	4	1977	2349	9.8S	160.8E	33	7.5		UNKNOWN	42	
3	10	1926	1938	49.0S	161.0E	50	7.9				
3	2	1923	1602	54.0N	161.0E		S 8.3	3	1.5	56	(TSUNAMI)
12	4	1926	0832	10.0S	161.0E		7.5				
10	10	1931	0019	10.0S	161.0E		7.7				
15	12	1935	0707	9.7S	161.0E		7.6				
23	10	1979	0951	10.6S	161.3E	18	7.2		LIMITED	131	SOLOMON ISLANDS
3	10	1931	1913	10.5S	161.7E		7.9	50	LIMITED	56	(TSUNAMI)
3	10	1931	1913	10.5S	161.7E		S 8.1				
31	7	1915	0131	54.0N	162.0E		7.8				
24	2	1923	0734	55.0N	162.4E		7.7		INSIGNIFICANT	44	
30	1	1917	0245	56.5N	163.0E		S 8.1				
15	12	1971	0829	55.9N	163.2E	33	7.8				
22	11	1969	2309	57.8N	163.6E	33	7.7		INSIGNIFICANT	44	
31	12	1966	1823	11.8S	164.8E	56	7.7		INSIGNIFICANT	39	
29	7	1900	0659	10.0S	165.0E		S 8.1				
9	11	1910	0602	15.0S	166.0E	80	7.9				
18	7	1934	1940	11.7S	166.5E		S 8.1				
		1826		45.8S	166.5E		8.0		UNKNOWN	2	NEW ZEALAND: FJORDLAND
28	12	1973	1341	14.4S	166.6E	26	7.8		UNKNOWN	33	
11	8	1970	1022	14.1S	166.6E	33	7.5				
17	12	1957	1350	12.3S	166.7E	120	7.8				
29	12	1973	0019	15.1S	166.8E	47	7.2		UNKNOWN	33	
27	10	1971	1758	15.4S	167.2E	40	7.1	1	SEVERE	32	
11	8	1965	2231	15.8S	167.2E	13	7.4		LIMITED	30	
4	5	1972	0748	15.9S	167.5E	45	6.8	0	INSIGNIFICANT	31	
2	12	1950	1951	18.2S	167.5E		8.1				

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
20	9	1920	1439	20.0S	168.0E		S 8.3			
13	5	1903	0634	17.0S	168.0E		S 7.8			
23	7	1961	2151	18.5S	168.3E	44	7.1		LIMITED	15 (TSUNAMI)
22	3	1925	0841	18.5S	168.5E	50	7.6			
10	11	1913	2112	18.0S	169.0E	80	7.5			
14	10	1913	0808	19.5S	169.0E	230	8.1			
1	6	1910	0555	20.0S	169.0E	80	7.5			
24	11	1944	0449	19.0S	169.0E	170	7.5			
2	7	1953	0656	19.0S	169.0E	223	7.5			
16	6	1910	0630	19.0S	169.5E	100	8.6			
9	8	1901	1301	22.0S	170.0E		S 8.4			
16	3	1928	0501	22.0S	170.5E		7.5			
14	9	1943	0201	22.0S	171.0E	50	7.5			
17	12	1929	1058	52.5N	171.5E		S 7.6			
23	5	1968	1724	41.6S	171.9E	21	7.1	3	3	11
5	10	1944	1728	22.5S	172.0E	120	7.5			
16	6	1929	2247	41.7S	172.2E		7.6	17	MODERATE	3,6
2	9	1907	1601	52.0N	173.0E		S 7.8			
2	2	1975	0843	53.1N	173.4E	10	7.6	0	MODERATE	34,128
8	7	1843		39.9S	175.0E		7.5		UNKNOWN	2 NEW ZEALAND: WANGANUI
23	1	1855		41.0S	175.0E		8.0		UNKNOWN	2,55 NEW ZEALAND: WELLINGTON, WAIROU, WANGANUI, OTAKI
5	3	1934	1146	40.5S	175.5E		7.5			
24	6	1942	1116	41.0S	175.5E		7.1		UNKNOWN	6
15	3	1934	1046	40.5S	175.8E		6.2		UNKNOWN	6
28	6	1921	1359	39.3S	176.4E	140	6.8		UNKNOWN	6
2	2	1931	2246	39.5S	176.9E		S 7.9	256	UNKNOWN	1,51 NEW ZEALAND: HAWKES BAY
2	2	1931	2246	39.5S	177.0E		S 7.9	225	SEVERE	3,5
14	7	1940	0552	51.7N	177.5E	80	7.8			
14	9	1953	0026	18.3S	178.1E	21	6.8	8	LIMITED	16,56 (TSUNAMI)
14	9	1953	0026	18.3S	178.2E	60	6.4	3	UNKNOWN	40 (TSUNAMI)
4	2	1965	0501	51.3N	178.6E	40	7.8			
17	8	1906	0010	51.0N	179.0E		S 8.3			
26	5	1932	1609	25.5S	179.2E	600	7.9			
16	11	1979	1521	16.5S	179.9E	33	6.9		MODERATE	131 FIJI ISLANDS
<b>180° LONGITUDE</b>										
22	2	1909	0921	18.0S	179.0W	550	7.9			
23	5	1956	2048	15.4S	178.7W	396	7.5		UNKNOWN	40
28	9	1957	1420	20.4S	178.5W	549	7.5			
14	2	1905	0346	53.0N	178.0W		S 7.9			
14	1	1976	1556	29.2S	177.8W	69	7.8		UNKNOWN	41



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
14	9	1959	1409	18.6S	177.7W	73	7.8				
14	1	1976	1647	28.4S	177.6W	33	8.2				
14	3	1957	1448	51.5N	177.0W		7.5		UNKNOWN	90	
31	12	1901	0902	52.0N	177.0W	S	7.8				
1	5	1917	1826	29.0S	177.0W		8.6				
14	9	1943	0718	30.0S	177.0W	60	7.6				
16	4	1937	0301	21.5S	177.0W	400	8.1				
1	1	1919	0259	19.5S	176.5W	180	8.3				
22	6	1977	1208	22.8S	175.9W	65	7.2	0	SEVERE	42	
4	11	1977	0952	51.6N	175.9W	33	6.7	0	LIMITED	42	
9	3	1957	1422	51.3N	175.8W		8.3	0	3	40,128	ALASKA (TSUNAMI)
7	3	1961	1010	28.3S	175.7W	40	7.5		UNKNOWN	89	
14	12	1950	0152	19.2S	175.7W	200	7.9				
27	2	1955	2043	28.0S	175.5W		7.8			40	
11	10	1975	1435	24.8S	175.1W	9	7.8				
4	1	1903	0507	20.0S	175.0W	400	8.0				
6	8	1949	0035	18.5S	174.5W	70	7.5				
8	9	1948	1509	21.0S	174.0W	25	7.9				
9	2	1902	0735	20.0S	174.0W	S	7.8				
26	6	1917	0549	15.5S	173.0W	S	8.7				
14	4	1957	1917	15.5S	173.0W		7.5				
30	4	1919	0717	19.0S	172.5W	S	8.4				
26	12	1975	1556	16.2S	172.4W	33	7.8				
2	4	1977	0715	16.6S	172.0W	33	7.6	0	LIMITED	42	
7	3	1929	0134	51.0N	170.0W	50	8.6				
18	4	1916	0401	53.2N	170.0W	170	7.5				
2	7	1965	2058	53.1N	167.6W	60	6.9	0	LIMITED	30	
29	8	1878		53.5N	166.3W				UNKNOWN	53,55,128	ALASKA: UNALASKA, MAKULIG (TSUNAMI)
22	3	1957	1421	55.0N	165.2W		7.5		UNKNOWN	90	
1	1	1902	0520	55.0N	165.0W	S	7.8				
1	4	1946	1228	52.7N	163.5W	50	7.4	178	25	1,21	
1	4	1946	1229	53.7N	163.0W		7.4		27	56	(TSUNAMI)
1	4	1946	1229	52.8N	162.5W		7.4	173	25	128	ALASKA (TSUNAMI)
14	5	1948	2231	54.5N	161.0W	S	7.5				
27	7	1788		55.0N	161.0W			SOME	INSIGNIFICANT	128	ALASKA: SANAK I., SHUMAGIN IS., ALASKA PENINSULA
10	11	1938	2018	55.5N	158.0W	S	8.7				
23	1	1938	0833	21.2N	156.1W		6.8	0	0.15	128	HAWAII: MAUI
21	8	1951	1057	19.7N	156.0W	60	6.9	0	MODERATE	20,128	
2	6	1903	1317	57.0N	156.0W	100	8.3				
3	4	1868	0200	19.0N	155.5W			X	SEVERAL	128	HAWAII (TSUNAMI)
3	4	1868	0200	19.0N	155.5W			X	81	53,56	S.E. OF HAWAII ISLAND (TSUNAMI)
26	4	1973	2026	19.9N	155.1W	50	6.2	0	5.6	128,33	HAWAII
29	11	1975	1448	19.3N	155.0W	5	7.2	2	4.1	128,34	HAWAII (TSUNAMI)

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
7	11	1912	0740	57.5N	155.0W	90	7.5			
22	12	1965	1941	58.4N	153.1W	51	6.9	0	LIMITED	30
27	8	1904	2156	64.0N	151.0W	S	8.3			
28	3	1964	0336	61.0N	147.7W		8.3	131	450	128 ALASKA (TSUNAMI)
28	3	1964	0336	61.1N	147.6W	33	8.5	115	538	3,40 ALASKA: PRINCE WILLIAM SOUND (TSUNAMI)
16	10	1947	0209	64.5N	147.5W	50	7.0	0	LIMITED	18
21	6	1967	1813	64.7N	147.3W	17	5.6	0	LIMITED	11
<b>144°W</b>										
9	10	1900	1228	60.0N	142.0W	S	8.3	0	INSIGIFICANT	6,38,128
10	9	1899	1704	60.0N	142.0W	25	7.8		UNKNOWN	6,121 ALASKA
4	9	1899	0022	60.0N	142.0W		8.3	0	INSIGNIFICANT	128 ALASKA: YAKATAGA
28	2	1979	2127	60.6N	141.6W	15	7.1	0	LIMITED	131 ALASKA
10	9	1899	2130	60.0N	140.0W		8.6	0	INSIGNIFICANT	128 ALASKA: YAKUTAT B.
10	7	1958	0616	58.6N	137.1W		7.9	3	LIMITED	128 ALASKA
10	7	1958	0615	58.6N	137.1W		7.9	5	LIMITED	27 ALASKA: LITUYA BAY
17	12	1843	0200	57.0N	136.0W			0	LIMITED	128 ALASKA: SITKA
30	7	1972	2145	56.8N	135.7W	25	7.6	0	INSIGNIFICANT	31,128 ALASKA
22	8	1949	0401	53.7N	133.2W	25	8.1			
31	1	1922	1317	41.0N	125.5W		7.6	0	INSIGNIFICANT	5
1	10	1865	1715	41.0N	124.5W		IX	0	MODERATE	128 CALIF.: FORT HUMBOLDT,EUREKA
6	6	1932	0844	40.8N	124.3W		6.4	1	LIMITED	74,128 CALIF.: HUMBOLDT COUNTY
21	12	1954	1956	40.8N	124.1W		6.6	1	2.1	40,128 CALIF.: EUREKA,ARCATA
29	10	1909	0645	40.5N	124.0W		IX		LIMITED	74 CALIF.: ROHNERVILLE
2	3	1871	2105	40.5N	124.0W		IX		MODERATE	74 CALIF.: HUMBOLDT COUNTY
23	10	1853		41.0N	124.0W		VIII		LIMITED	74 HUMBOLDT BAY
14	4	1898		39.0N	124.0W		X		LIMITED	74 CALIF.: MENDOCINO COUNTY
18	4	1906	1312	38.0N	123.0W		8.3	700	400	129 CALIF.
18	4	1906	1312	38.0N	123.0W		8.3	700	24	128 CALIF.: SAN FRANCISCO
18	4	1906	1312	38.0N	123.0W	S	8.3	700	EXTREME	2,3,74
15	2	1946	0318	47.3N	122.9W		5.8	0	0.25	128 PUGET SOUND
13	4	1949	1956	47.1N	122.7W		7.0	8	25	128 WASHINGTON: OLYMPIA
2	10	1969	0457	38.5N	122.7W		5.6	0	7	128 CALIF.: SANTA ROSA
2	10	1969	0456	38.5N	122.7W		5.6	0	10	39
22	3	1957	1944	37.7N	122.5W		5.3	0	1	40,128 CALIF.
13	4	1949	1955	47.2N	122.5W		7.0	8	25	17
19	4	1892	1050	38.5N	122.5W		IX		MODERATE	74 VACAVILLE,WINTERS
12	10	1891	0628	38.5N	122.5W		IX		LIMITED	74 CALIF: SONOMA,NAPA
19	4	1892	1050	38.5N	122.5W		IX	0	0.225	128 CALIF.
7	3	1865	1400	38.5N	122.5W		VIII		MODERATE	74 CALIF.: E. CENTRAL SONOMA COUNTY
6	1838			37.5N	122.5W		X	0	LIMITED	128 CALIF.
21	10	1868	1307	37.8N	122.3W		X		MODERATE	88 CALIF.: OAKLAND
29	4	1965	1529	47.4N	122.3W		6.5	7	12.5	30,128 WASHINGTON: SEATTLE
24	10	1955	0411	38.0N	122.1W		5.4	1	1	40,128 CALIF.
4	7	1861	0011	37.5N	122.0W		IX		SEVERE	74 CALIF.: CONTRA COSTA,ALAMEDA COUNTIES

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
21	10	1868	1553	37.5N	122.0W		X	3	0.350	128	CALIF.
21	10	1868	1553	37.5N	122.0W		IX		MODERATE	74	CALIF.: HAYWARD,SAN FRANCISCO
8	10	1865	2046	37.0N	122.0W		IX	0	MODERATE	128	CALIF.
26	11	1858	0835	37.5N	122.0W		IX		SEVERE	74	CALIF.: SAN JOSE,SAN FRANCISCO
8	10	1865	2046	37.0N	122.0W		IX		MODERATE	74	CALIF.: SAN JOSE,SANTA CRUZ
8	10	1865	2046	37.0N	122.0W		IX	0	0.500	129	CALIF. (DATE OF \$ EVALUATION QUESTIONABLE)
10	6	1836	1530	38.0N	122.0W		X			128	CALIF.
21	4	1892	1743	38.5N	122.0W		IX	0	MODERATE	128	CALIF.
31	3	1898	0743	38.0N	122.0W		VII	0	0.350	128	CALIF.: MARE ISLAND
6	1838	37.4N	121.9W			VIII		0	MODERATE	74	CALIF.: SAN FRANCISCO,SAN JOSE,SANTA CLARA,MONTEREY
6	3	1882	2200	37.0N	121.5W		VII		LIMITED	74	CALIF.: HOLLISTER
11	10	1890		37.0N	121.5W			0	LIMITED	128	CALIF.
6	8	1979	1705	37.1N	121.5W	6	5.6	0	UNKNOWN	131	CALIF.
1	8	1975	2020	39.4N	121.5W	15	5.8	0	LIMITED	34	
1	2	1853	2100	35.5N	121.0W		VIII		MODERATE	74	CALIF.: SAN SIMEON
31	3	1885	0756	36.5N	121.0W		VIII		LIMITED	74	CALIF.: HOLLISTER (17 MILES SE OF)
29	4	1902	0657	34.5N	120.5W		VIII	0	MODERATE	128	CALIF.
21	12	1812	1900	34.0N	120.0W		X	0	MODERATE	128	CALIF.: PURISIMA
29	6	1925	1442	34.3N	119.8W		6.2L	13	8	128	CALIF.: SANTA BARBARA
13	8	1978	2254	34.4N	119.7W	7	5.6	0		132	
29	6	1925	1442	34.5N	119.6W		6.2L	13	6	2,38	
1	7	1941	0751	34.4N	119.6W	16	5.9	0	0.100	128	CALIF.
29	6	1926	2321	34.5N	119.5W		VII	1	INSIGNIFICANT	128	CALIF.
21	2	1973	1446	34.1N	119.0W	8	5.9	0	1	128,39	CALIF.
21	7	1952	1152	35.0N	119.0W		7.7	12	50	128	CALIF.: KERN COUNTY
21	7	1952	1152	35.0N	119.0W	16	7.7	13	60	19	
9	1	1857	1600	35.0N	119.0W		XI	0	LIMITED	128	CALIF.
9	1	1857	1013	35.0N	119.0W		XII		SEVERE	88	CALIF.: SAN FRANCISCO
7	3	1893	103	46.0N	119.0W		VII	0	UNKNOWN	128	OREGON
19	5	1893	0035	34.0N	119.0W		VII		LIMITED	74	S. CALIFORNIA
22	8	1952	2241	35.3N	118.9W	16	5.8	2	10	38,128	CALIF.: KERN COUNTY
24	8	1954	551	39.5N	118.8W		6.8	0	0.091	38,128	NEVADA: FALLON
6	7	1954	2207	39.3N	118.5W		6.4	0	LIMITED	128	NEVADA: FALLON
6	7	1954	1113	39.4N	118.5W		6.8	0	MODERATE	16,38,128	NEVADA: FALLON
21	6	1920	248	34.0N	118.5W		IX		LIMITED	74	CALIF.: INGLEWOOD
4	4	1893	1940	34.5N	118.5W		IX		LIMITED	74	CALIF.: LOS ANGELES (35 MILES NW OF)
11	7	1855	0415	34.0N	118.5W		VIII		MODERATE	74	CALIF.: LOS ANGELES COUNTY
9	2	1971	1400	34.4N	118.4W	13	6.7	64	553	39,145	
9	2	1971	1400	34.4N	118.4W		6.4	58	500	128	CALIF.: SAN FERNANDO
18	11	1949	0120	33.8N	118.3W		V	0	9	128	CALIF.: TERMINAL I.
18	11	1949	119	33.7N	118.3W		3.7L	0	9	17	
16	7	1936	708	46.0N	118.3W		5.7		LIMITED	2	
15	8	1951	0723	33.5N	118.2W		V	0	3	128	CALIF.: TERMINAL I.

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
14	11	1941	0842	33.8N	118.2W	16	5.4	0	1	38,128	CALIF.
16	12	1954	1107	39.3N	118.2W		7.2	0	LIMITED	13	
16	12	1954	1107	39.3N	118.2W		7.1	0	LIMITED	128	NEVADA
16	12	1954	1107	35.3N	118.2W		7.1	0	LIMITED	128	NEVADA: DIXIE VALLEY
25	1	1955	1223	33.8N	118.2W		IV	0	3	128	CALIF.: TERMINAL I.
28	2	1969	0456	34.5N	118.1W	5	4.6B	0	INSIGNIFICANT	11	
4	4	1961	2132	34.0N	118.0W	16		0	4.5	40,128	CALIF.: TERMINAL I.
11	3	1933	0154	33.6N	118.0W		6.3	115	40	128	CALIF.: LONG BEACH
26	3	1872	0230	36.5N	118.0W		X	50	LIMITED	38,74	CALIF.: OWENS VALLEY
26	3	1872	1030	36.5N	118.0W		XI	27	MODERATE	128	CALIF.
26	3	1872	0230	36.5N	118.0W		8.5		SEVERE	88	CALIF.: OWENS VALLEY
26	3	1872	1030	36.5N	118.0W		XI	27	0.250	129	CALIF. (DATE OF \$ EVALUATION QUESTIONABLE)
8	12	1812	1500	34.0N	118.0W		IX	40	MODERATE	128	CALIF.: SAN JUAN CAPISTRANO
11	3	1933	0154	33.6N	117.9W	16	6.3	120	EXTREME	2,3,38	
11	3	1933	0154	33.6N	117.9W		IX	100	40	74	CALIF.: LONG BEACH
21	12	1932	0610	38.7N	117.8W		7.3	0	LIMITED	128	NEVADA: CEDAR MOUNTAIN
3	10	1915	0653	40.5N	117.5W		7.8	0	LIMITED	74,128	NEVADA: PLEASANT VALLEY
21	4	1918	2232	33.7N	117.0W		6.8	0	0.200	74,128	CALIF.
10	4	1947	1558	35.0N	116.6W		6.4	0	MODERATE	128	CALIF.
24	2	1892	0720	31.5N	116.5W		IX	0	MODERATE	128	BAJA CALIFORNIA
25	12	1899	1225	33.5N	116.5W		IX	6	MODERATE	128	CALIF.
24	2	1892	0720	31.5N	116.5W		X		SEVERE	74	CALIF.: SAN DIEGO COUNTY
9	4	1968	0228	33.1N	116.1W	20	6.5		LIMITED	11	CALIF.: OCOTILLO WELLS
18	5	1940	0437	32.8N	115.6W	16	7.1	9	UNKNOWN	2	
19	5	1940	0437	32.7N	115.5W		7.1	9	6	128	CALIF.: S.E. OF EL CENTRO
19	5	1940	0436	32.7N	115.5W	16	6.7	8	6	38	
1	1	1927	0816	32.5N	115.5W		5.8L		1	43,74	
23	6	1915	0456	32.8N	115.5W		6.2	6	0.900	74,128	CALIF.: EL CENTRO
15	10	1979	2316	32.6N	115.3W	7	6.8	0	30	131,156	CALIFORNIA-MEXICO
9	11	1852	1800	33.0N	114.5W		IX	0	LIMITED	74	FORT YUMA
12	12	1902	2310	29.0N	114.0W	5	7.8				
12	3	1934	1506	41.7N	112.8W		6.6	2	LIMITED	128	UTAH: KOSMO
16	10	1907	1457	28.0N	112.5W		7.5				
28	3	1975	0231	42.1N	112.5W	5	6.1	0	1	128,34	IDAHO
5	12	1887	1530	37.1N	112.5W		VI	0	LIMITED	128	UTAH
29	9	1921	1412	38.8N	112.2W		VIII	0	LIMITED	128	UTAH: ELSINORE
19	10	1935	0448	46.6N	112.0W		6.2	4	3.5	38	
19	10	1935	0448	46.6N	112.0W		6.2	2	19	128	MONTANA: HELENA
31	10	1935	1838	46.6N	112.0W		6.0	2	6	128	MONTANA: HELENA
30	8	1962	1335	41.8N	111.8W	37	5.8	0	2	40	
28	6	1925	0121	46.0N	111.5W		6.8		0.300	38	
9	11	1884	0900	41.5N	111.2W		VI	0	UNKNOWN	128	UTAH
18	8	1959	0637	44.8N	111.1W		7.1	28	11	24,128	MONTANA: HEBGEN LAKE

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
3	5	1887	2113	31.0N	109.0W		IX	0	LIMITED	128 MEXICO: SONORA
<b>108°W</b>										
28	11	1970	0740	35.0N	106.7W	9	4.5		INSIGNIFICANT	128
7	9	1893		34.7N	106.6W		VII	0	UNKNOWN	128 NEW MEXICO
4	12	1948	0022	22.0N	106.5W		6.9	4	SEVERE	7,12
14	11	1897		42.9N	106.3W		VII		LIMITED	128 WYOMING: CASPER
20	1	1900	0633	20.0N	105.0W		S 8.3			6
16	5	1900	2012	20.0N	105.0W		S 7.8			
22	6	1932	1259	19.0N	104.5W		6.9	SOME	SEVERE	2,56 (TSUNAMI)
30	4	1921		19.7N	104.3W		7.8			143
16	8	1931	1140	30.9N	104.2W		6.4	0	UNKNOWN	38,128 TEXAS: VALENTINE
3	6	1932	1037	19.5N	104.2W		8.1		UNKNOWN	1,7
7	6	1911	1102	19.7N	103.7W		S 7.9	45	UNKNOWN	2,7
25	3	1806		19.2N	103.7W					55 MEXICO: ZAPOTLAN, COLIMA, OAXACA, MICHOACAN
25	3	1806		19.2N	103.7W			MANY	UNKNOWN	2 MEXICO: JALISCO
16	9	1711		19.1N	103.5W			SEVERAL	UNKNOWN	2 MEXICO: COLIMA
13	6	1932	1012	19.5N	103.5W		S 7.9		UNKNOWN	7,142
11	2	1875		20.7N	103.4W		7.5		UNKNOWN	2,55 MEXICO: SAN CRISTOBAL
15	4	1941	1909	18.0N	103.0W		7.7			7
30	1	1973	2101	18.4N	102.9W		43 7.5	56	SEVERE	2,39
22	2	1943	0921	17.9N	101.5W			5	UNKNOWN	41 MEXICO
22	2	1943	0920	16.7N	101.5W		7.5	11	UNKNOWN	2,7
14	3	1979	1107	17.8N	101.3W		49 7.6	5	SEVERE	131 MEXICO: GUERRERO
30	7	1909	1051	17.0N	100.5W		7.8		UNKNOWN	7,142
16	12	1911	1914	17.0N	100.5W		50 7.5			7
6	7	1964	0722	18.2N	100.4W		82 7.0	30	SEVERE	9
6	7	1964	0722	18.3N	100.4W		100 7.4	78	SEVERE	40 DEAD INFERRED
2	7	1968	0344	17.6N	100.2W		41 5.9	1	LIMITED	11
15	4	1907	0608	17.0N	100.0W		S 8.3			
16	8	1711		19.9N	100.0W					55 MEXICO: TLAXCALA, GUADALAJARA
19	11	1912	1318	19.9N	99.8W		7.8		UNKNOWN	143
30	11	1962	2151	17.6N	99.7W		57 5.1	1	LIMITED	29
11	5	1962	1411	17.0N	99.6W		40 7.0	4	MODERATE	29,40 (TSUNAMI)
3	1	1956	0711	16.9N	99.6W		6.5	0	SEVERE	8
19	3	1978	0139	17.2N	99.6W		85 6.5	1	UNKNOWN	132
19	5	1962	1458	17.2N	99.5W		33 7.1	30	SEVERE	29,40
23	7	1957	0840	16.4N	99.2W#			160	25	51 MEXICO: ACAPULCO, MEXICO CITY
23	7	1957	0840	16.4N	99.2W		7.9	68	16	26,40
25	9	1611		19.5N	99.1W				SEVERE	2 MEXICO
25	8	1611		19.5N	99.1W					55 MEXICO: MEXICO CITY, JALISCO

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
26	3	1908	2303	18.0N	99.0W	80	8.1			
23	12	1937	1317	16.7N	98.5W		7.5	4	UNKNOWN	7,144
14	1	1903	0147	15.0N	98.0W		8.3			
17	6	1928	0319	16.2N	98.0W		7.9			
24	1	1899	2343	17.0N	98.0W		8.4		UNKNOWN	6 MEXICO
10	2	1928	0439	17.8N	97.6W		7.7		UNKNOWN	143
2	8	1968	1406	16.5N	97.6W	40	7.1	18	2.4	11,39
26	7	1937	0348	18.8N	97.5W		7.7	34	UNKNOWN	143,144
24	5	1959	1917	17.6N	97.1W	63	6.9	5	LIMITED	24
9	10	1928	0301	16.0N	97.0W		7.6			
21	12	1701		16.5N	97.0W				SEVERE	2 MEXICO: OAXACA
3	1	1920	1624	19.3N	96.9W		7.8	648	MODERATE	142,143
16	4	1928	0000	17.3N	96.7W		7.7		INSIGNIFICANT	2,7,143
15	1	1931	0150	16.0N	96.7W		7.9		UNKNOWN	7,142
29	11	1978	1952	16.1N	96.5W	49	7.8	8	MODERATE	132
28	8	1973	0950	18.2N	96.5W	84	7.3	600	SEVERE	33
28	8	1973	0950	18.2N	96.5W#			539	UNKNOWN	51 MEXICO: ORIZABA
22	3	1928	0417	16.0N	96.0W		7.5			7
23	8	1965	1946	16.3N	95.8W	30	7.8	5	LIMITED	30,40
11	3	1967	1445	19.1N	95.8W	47	5.5		UNKNOWN	2
26	8	1959	0825	18.2N	94.4W		6.8	25	SEVERE	38,40
23	9	1902	2018	16.0N	93.0W		8.4		UNKNOWN	7,142
5	2	1954	1517	17.3N	92.6W	100	6.2	6	17	40
25	9	1968	1038	15.5N	92.6W	138	5.7B	20	MODERATE	11
29	4	1970	1401	14.5N	92.6W	33	7.3		LIMITED	35
13	4	1960	1237	15.5N	92.0W	50	6.0	1	LIMITED	25
30	3	1914	0041	17.0N	92.0W	150	7.5			7
			1791	14.6N	91.5W				SEVERE	107 GUATEMALA,SAN MARCOS
18	8	1978	1535	14.4N	91.4W	98	5.4MB		UNKNOWN	132
22	2	1978	0607	14.2N	91.3W	73	5.6MB	2	UNKNOWN	132
29	7	1773		14.6N	91.2W			100	UNKNOWN	2,55 GUATEMALA: SANTIAGO: CHILE: COPIAPO
3	6	1773		14.6N	91.2W			20,000		55 GUATEMALA: ST. JAGO(SANTIAGO)
13	3	1976	1630	14.7N	91.0W	5	5.1	4	MODERATE	41
5	8	1965	1905	14.8N	91.0W	59	4.0	1	INSIGNIFICANT	30
4	2	1921	0822	15.0N	91.0W	120	7.5			
19	4	1902	0223	14.0N	91.0W		8.3	132	SEVERE	2,107
18	4	1902		14.0N	91.0W#			2,000	UNKNOWN	51 GUATEMALA: QUEZALTENANGO,SAN MARCOS
6	8	1942	2336	14.0N	91.0W		8.3			7
6	8	1942	2337	14.1N	90.9W			9	UNKNOWN	41 GUATEMALA
4	6	1967	1614	33.6N	90.9W	33	3.8	0	INSIGNIFICANT	11
27	10	1979	1435	13.9N	90.9W	50	6.7	4	MODERATE	131 GUATEMALA
29	7	1978	1437	14.7N	90.7W	5	5.0MB	5	MODERATE	132
3	9	1874	0302	14.5N	90.7W			116		55 GUATEMALA: ANTIGUA,GUATEMALA,CHIMALTENANGO,AMAT

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
3	1	1918	0445	14.5N	90.6W		5.8		SEVERE	7,46
9	10	1979	0749	14.2N	90.4W	33	5.0	0	MODERATE	131
		1773		14.3N	90.4W				EXTREME	107
10	6	1773		14.3N	90.4W			100	UNKNOWN	51
5	1	1843	0245	35.2N	90.0W		VIII		UNKNOWN	128
27	2	1916	2020	12.0N	90.0W		7.5			
23	1	1812	1500	36.6N	89.6W		XII		UNKNOWN	128
7	2	1812	0945	36.6N	89.6W		XII		UNKNOWN	128
16	12	1811	0800	36.6N	89.6W		XII	SEVERAL	LIMITED	7,52,128
		1766		14.5N	89.3W				MODERATE	107
										GUATEMALA: CHIQUIMULA,QUETZAL,LENANGO
3	5	1965	1001	13.5N	89.3W	23	6.3	120	SEVERE	2,40
		1917		13.8N	89.2W			MANY	EXTREME	88,107
14	4	1854		13.8N	89.2W			1,000	UNKNOWN	51,55
12	4	1883	0830	37.0N	89.2W		VII	0	LIMITED	128
4	2	1976	0901	15.3N	89.1W	5	7.5	23,000	1,100	41,51
										GUATEMALA
26	5	1909	1442	42.5N	89.0W	0	VIII		INSIGNIFICANT	38
26	2	1902		13.0N	89.0W			185	UNKNOWN	56
3	12	1934	0136	15.0N	89.0W				UNKNOWN	103
7	9	1915	0120	14.0N	89.0W	80	7.9			7
11	4	1873		13.6N	89.0W			300		55
										EL SALVADOR: SAN SALVADOR,ST. VINCENT
25	8	1859		13.0N	89.0W				LIMITED	56
22	2	1873		13.6N	89.0W				UNKNOWN	55
4	3	1873		13.7N	88.7W			800	UNKNOWN	51
9	11	1968	1701	38.0N	88.5W	19	5.3	0	LIMITED	11
2	10	1878		13.5N	88.4W			MANY	SEVERE	55
										EL SALVADOR: JUCUAPU
		1878		13.5N	88.3W				SEVERE	88
3	8	1951	0023	13.0N	87.8W	100	6.0		MODERATE	20
6	5	1951	2308	13.0N	87.8W	100		1,100	23	51
6	5	1951	2308	13.0N	87.8W	100		400	SEVERE	2,20
27	7	1891	0228	37.9N	87.5W		VI	0	UNKNOWN	128
										INDIANA: EVANSVILLE
		1663		12.5N	87.0W				UNKNOWN	103
24	10	1956	1442	12.0N	86.5W		7.3		LIMITED	8
23	12	1972	0629	12.3N	86.1W	5	6.2	5,000	800	31,39
29	11	1923		13.5N	86.0W				UNKNOWN	103
29	4	1898	1618	12.0N	86.0W		7.9		UNKNOWN	6
										NICARAGUA
31	3	1931	1602	13.2N	85.7W		5.6	MANY	SEVERE	103
31	3	1931	1602	13.2N	85.7W			2,450	15	39,51
23	8	1978	0038	10.1N	85.3W	48	7.0		LIMITED	132
5	10	1950	1609	11.0N	85.0W		7.7			
14	4	1973	0834	10.6N	84.7W	33	6.5	26	SEVERE	33,39
										NICARAGUA: MANAGUA
1	9	1955	1733	10.0N	84.5W		5.8	10	MODERATE	14
13	4	1910		9.8N	84.0W			1,750	MODERATE	51,103
4	5	1910	2350	10.0N	84.0W			700	SEVERE	103
										COSTA RICA: CARTAGO
										COSTA RICO: CARTAGO

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
		1841		10.0N	84.0W			MANY	MODERATE	103	COSTA RICO: CARTAGO
18	3	1851	1215	10.0N	84.0W				LIMITED	103	COSTA RICA: SAN JOSE
		1799		10.0N	84.0W				SEVERE	103	COSTA RICA: CARTAGO
7	5	1822	0630	10.0N	84.0W				UNKNOWN	103	COSTA RICA: CARTAGO
30	12	1952	1207	10.3N	83.5W			29	UNKNOWN	19	
24	8	1979	0426	9.0N	83.4W	33	6.5	0	UNKNOWN	131	COSTA RICA
5	12	1941	2046	8.5N	83.0W		7.5				
20	12	1904	0544	8.5N	83.0W		S 8.3				
1	7	1979	2038	8.4N	82.9W	38	6.4		2	131	PANAMA,COSTA RICA
18	7	1934	0136	8.0N	82.5W		7.7		0.750	7,103	
		1693		23.1N	82.4W				MODERATE	55	CUBA: HAVANA
18	9	1962	0029	7.5N	82.3W	33	7.0		LIMITED	29	
7	1	1901	0029	2.0S	82.0W		S 7.8				
31	1	1906	1536	1.0N	81.5W		8.1			106	
31	1	1906	1536	1.0N	81.5W		S 8.9	1,000	UNKNOWN	3	
31	1	1906	1536	1.0N	81.5W		XII	400	MODERATE	118	COLOMBIA: TUMACO (TSUNAMI)
14	5	1942	0213	0.7S	81.5W		S 8.3			7	
20	11	1960	2201	6.8S	81.0W	55	6.8	11	SEVERE	25	
20	11	1960	2202	6.8S	81.0W	93	6.0	3	MODERATE	11	
20	11	1969	0100	37.4N	81.0W	3	4.8	0	LIMITED	11	
10	12	1970	0434	4.0S	80.7W	25	7.6	81	SEVERE	35,39	
20	11	1960	2201	6.8S	80.7W	93	6.7	11		56	(TSUNAMI)
12	12	1953	1731	3.4S	80.6W		7.8	7	MODERATE	16	
16	1	1956	2337	0.5S	80.5W		7.3		MODERATE	40	
14	5	1942	0213	0.4S	80.0W	50	IX	MANY	SEVERE	106	
14	5	1942	0213	0.3S	80.0W			200	2.5	41	EQUADOR
31	1	1906	0300	1.0N	80.0W				MODERATE	92	
31	1	1906	1524	1.0N	80.0W			MANY	UNKNOWN	47	EQUADOR
21	6	1900	2052	20.0N	80.0W		S 7.9				
1	9	1886	0251	32.9N	80.0W		IX	60	5	128,154	SOUTH CAROLINA: CHARLESTON
9	4	1976	0708	0.7N	79.8W	9	6.7	8	UNKNOWN	41	EQUADOR
14	2	1619	1630	7.6S	79.7W			350	SEVERE	111	PERU: TRUJILLO,PIURA,SANTA
14	2	1619		7.6S	79.7W				MODERATE	102	PERU: TRUJILLO,PIURA
		1621		9.1N	79.6W				UNKNOWN	103	PANAMA
7	9	1882	0810	9.0N	79.5W			SOME	MODERATE	103	PANAMA
14	4	1958	2132	1.0N	79.5W		6.8	3	LIMITED	27	
12	12	1979	0759	1.6N	79.4W	32	7.9	600	SEVERE	131	EQUADOR (TSUNAMI)
24	2	1913	0230	4.2S	79.4W		6.1	MANY	MODERATE	47,106	EQUADOR: GONZANAMA
5	11	1884		9.1N	79.4W				MODERATE	103	PANAMA: AQUADAS,PACORIA
19	1	1958	1407	1.3N	79.3W		7.8	20	MODERATE	27,47	
1	2	1958	1409	2.0N	79.0W		X	22	SEVERE	118	EQUADOR: ESMERALDAS
18	4	1962	1914	10.0S	79.0W	39		9	MODERATE	29	
30	7	1960	0204	1.5S	79.0W	21		11	LIMITED	25	



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
30	7	1960	0204	1.5S	79.0W	21		11	LIMITED	25
30	7	1960	0204	1.5S	79.0W	21		1	LIMITED	40
28	9	1906	1524	2.0S	79.0W	150	7.9			
25	7	1929	0845	0.0N	79.0W			8	LIMITED	47
20	1	1904	1452	7.0N	79.0W		7.9			ECUADOR (TSUNAMI)
15	9	1944	1420	0.5S	79.0W			0	SEVERE	47,104
20	02	1835	2230	33.5S	79.0W		VI	MANY	SEVERE	114
14	2	1658		8.1S	79.0W			MANY	SEVERE	111
7	1	1725	0425	8.1S	79.0W			1,500	MODERATE	111
31	5	1970	2023	9.2S	78.8W	43	7.8	54,000	507	39
31	5	1970	2023	9.1S	78.8W#	43	7.8	66,000	530	38
31	5	1970	2023	9.1S	78.8W	43	7.8	66,794	250	35,145 N. PERU
6	10	1976	0912	0.7S	78.7W	33	5.7	9	UNKNOWN	41
17	10	1966	2142	10.7S	78.7W	38	7.6	110	40	2,28,111
4	2	1797	1230	1.7S	78.7W		7.3	6,406	SEVERE	47,104,106
26	4	1755		0.2S	78.7W			MANY	MODERATE	106
19	7	1698		1.3S	78.7W			THOUSANDS	SEVERE	94,51
20	6	1698	0600	1.7S	78.6W			MANY	UNKNOWN	47
22	11	1687		1.3S	78.6W		7.3		MODERATE	47,104
4	2	1797		1.0S	78.6W			40,000	EXTREME	3,51,55,73
5	12	1736		0.9S	78.6W				MODERATE	47
4	2	1797	1230	1.6S	78.6W				SEVERE	92
19	2	1645		1.7S	78.6W		7.5	MANY	UNKNOWN	92,104
8	9	1575		0.2S	78.6W		7.5	MANY	UNKNOWN	104
8	9	1575		0.2S	78.6W			MANY	UNKNOWN	92
2	1640			1.7S	78.6W			5,000	SEVERE	47
3	3	1924	0801	1.6S	78.6W		6.9	40	LIMITED	47
24	7	1912	1150	7.8S	78.5W		X	MANY	0.7	111
19	2	1645		0.2S	78.5W			MANY	UNKNOWN	92
3	9	1587		0.2S	78.5W		7.5	FEW	MODERATE	47,92,104
26	4	1755		0.2S	78.5W			MANY	SEVERE	47
22	3	1859		0.3S	78.5W#				SEVERE	55
22	3	1859		0.3S	78.5W#			5,000	SEVERE	73
22	3	1859	1330	0.3S	78.5W			FEW	SEVERE	47
1	1	1662		0.2S	78.4W				MODERATE	47
9	8	1938	2101	0.3S	78.4W				UNKNOWN	47
20	7	1955	2100	0.2N	78.4W		6.0		SEVERE	40
23	2	1923	1925	0.5S	78.3W		6.7	SOME	UNKNOWN	47
12	8	1929	1124	42.9N	78.3W				LIMITED	38
		1808		0.2S	78.3W				MODERATE	94
22	3	1859	1542	0.4S	78.3W				MODERATE	106
7	8	1590		0.5S	78.2W				MODERATE	47
		1541		0.5S	78.2W				UNKNOWN	47

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
5	8	1949	1908	1.5S	78.2W	60	6.8	6,000	7.5	3,17	
5	8	1949	1908	1.1S	78.1W			5,050	20	47,51,153	ECUADOR
2	3	1957	0027	18.3N	78.1W		6.5	3	UNKNOWN	40	
11	7	1976	2041	7.4N	78.1W	3	7.0	0	UNKNOWN	41	
24	4	1973	2130	4.9N	78.1W	50	6.5	1	MODERATE	33	
15	8	1869		0.3N	78.1W			32		110	ECUADOR: IBARRA
15	8	1868	0637	0.5N	78.1W			GREAT	EXTREME	106	ECUADOR: IBARRA
17	8	1868	0640	0.3N	78.1W			15,000	EXTREME	110	ECUADOR: IBARRA
16	8	1868	0630	0.4N	78.1W#			70,000	EXTREME	47,55,104	COLOMBIA, GUAYAQUIL, IBARRA, SAN PABLO
16	8	1868	0630	0.4N	78.1W				SEVERE	92	ECUADOR
10	8	1949	0313	1.0S	78.0W				LIMITED	47	
14	5	1928	2212	5.0S	78.0W		7.3	29	8	111	
3	10	1974	1421	12.2S	77.7W	13	7.6	78	SEVERE	36	PERU: CALLAO
15	8	1868		0.8N	77.7W			MANY	SEVERE	47	ECUADOR
13	7	1974	0118	7.7N	77.6W	12	7.3	11	LIMITED	36	COLOMBIA
9	1	1936	0923	1.1N	77.6W		7.0	250	MODERATE	92,144	
7	8	1935	0902	1.0N	77.5W	95	VII	8	SEVERE	118	COLOMBIA: FUNES
14	12	1923	1031	1.0N	77.5W		XI	300	SEVERE	118	COLOMBIA: IPIALES
10	11	1946	1742	8.5S	77.5W#	0	7.3	1,400	SEVERE	3	
10	11	1946	1742	8.5S	77.5W		7.3	800	SEVERE	21	
26	9	1970	1202	6.2N	77.5W	8	6.6	0	LIMITED	35	
27	7	1971	0203	2.7S	77.4W	135	7.5	1	MODERATE	32	
21	2	1774	1900	37.2N	77.4W		VII		UNKNOWN	128	E. VIRGINIA
14	8	1936		1.2N	77.3W			18	UNKNOWN	110	COLOMBIA: PASTA
14	7	1947	0701	1.2N	77.2W	10	IX	2	MODERATE	118	COLOMBIA: PASTO
19	6	1968	0813	5.5S	77.1W	28	6.9	46	LIMITED	11	
		1724		12.1S	77.1W				SEVERE	148	PERU: CALLAO (TSUNAMI)
28	10	1746		12.1S	77.1W			4,800	EXTREME	56,148	PERU: CALLAO (TSUNAMI)
20	10	1687	1130	12.8S	77.0W			600	SEVERE	111	PERU: LIMA
20	10	1687		12.8S	77.0W			5,000	SEVERE	55,94	PRRU: LIMA (TSUNAMI)
29	10	1746	0330	12.5S	77.0W#		X	4,941	EXTREME	111	PERU: LIMA (TSUNAMI)
17	6	1678	0045	12.5S	77.0W			MANY	MODERATE	102,111	PERU: LIMA
28	10	1746		12.5S	77.0W			7,141	EXTREME	102	PERU: LIMA
28	10	1746		12.5S	77.0W#			18,000	SEVERE	73	PERU: LIMA, CALLAO
19	10	1609		12.5S	77.0W				LIMITED	102	PERU: LIMA
9	7	1586		12.5S	77.0W			20	LIMITED	102	PERU: LIMA
31	3	1650		12.5S	77.0W				LIMITED	102	PERU: LIMA
27	11	1630		12.5S	77.0W				MODERATE	102	PERU: LIMA
		1656		12.5S	77.0W&			11,000	MODERATE	94	PERU
13	11	1655		12.5S	77.0W				MODERATE	102	PERU: LIMA
17	6	1578		12.5S	77.0W				MODERATE	102	PERU: LIMA, CALLAO
14	6	1899	1109	18.0N	77.0W		7.8		UNKNOWN	6	JAMAICA
24	5	1940	1635	10.5S	77.0W		VII	179	1.1	111	PERU: N. ECUADOR, S. CHILE

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
24	5	1940		12.5S	77.0W			250	SEVERE	102	PERU: LIMA,CALLAO
24	5	1940	1633	10.5S	77.0W		8.4				
14	12	1923	1031	1.0N	77.0W		5.3	85	MODERATE	88,110	
10	2	1914	1831	45.0N	76.9W		VII	1	INSIGNIFICANT	128	CANADA
30	3	1828	1235	12.1S	76.9W			30	MODERATE	55,111	PERU: LIMA
		1657		12.4S	76.8W			11,000	UNKNOWN	94	PERU: LIMA,CALLAO
19	2	1976	1359	19.8N	76.8W	20	5.9	1	UNKNOWN	41	
20	3	1972	0733	6.7S	76.7W	64	6.9	7	SEVERE	31	
14	1	1907	2136	18.2N	76.7W		6.5	1,000	30	2,49,51	
7	6	1692		17.8N	76.7W			3,000	SEVERE	55,73	JAMAICA: PORT ROYAL
7	6	1692		17.8N	76.7W			2,000	UNKNOWN	51	JAMAICA: PORT ROYAL
14	7	1699		12.1S	76.6W				SEVERE	94	PERU: LIMA
		1654		12.1S	76.6W			11,000	UNKNOWN	94	PERU: LIMA: CHILE
3	2	1932	0616	19.6N	76.5W		5.4		SEVERE	46	
10	12	1950	0250	14.5S	76.5W	10	7.0	4	LIMITED	111	
14	2	1952	2103	7.4N	76.4W	18	6.7		MODERATE	7,110	ANTIOQUIA,CHOCO
30	7	1962	2018	5.2N	76.4W	69	6.8	47	UNKNOWN	29	
30	7	1962	2018	5.0N	76.3W	45	6.9	40	UNKNOWN	40	
5	1	1974	0833	12.2S	76.3W	98	6.6	10	SEVERE	36	PERU
23	11	1979	2340	4.8N	76.2W	106	6.3MB	52	SEVERE	131	COLOMBIA
31	8	1977	0042	7.3N	76.2W	33	6.4	3	UNKNOWN	42	
28	5	1948	0537	13.1S	76.2W	55	6.8	4	0.20	111	
16	11	1827	0100	2.7N	76.1W			250	UNKNOWN	55,88,110	COLOMBIA: BOGOTA,NEIVA,POPAYAN,PASTO
8	11	1942		16.0S	76.0W		8.0		UNKNOWN	87	
24	8	1942	2250	15.0S	76.0W		8.0	30	SEVERE	111	
24	8	1942	2250	15.0S	76.0W		8.6				
12	12	1908		8.0S	76.0W		8.2			2	
30	7	1962	2018	5.4N	75.9W	45	X	8	MODERATE	118	COLOMBIA: MISTRATO
21	2	1954	2000	41.2N	75.9W		VII	0	1	128	PENNSYLVANIA: WILKES BARRE
		1775		20.0N	75.8W				SEVERE	146	CUBA: SANTIAGO (TSUNAMI)
7	2	1851		10.5N	75.7W			MANY	SEVERE	94	COLOMBIA: CARTHAGENE
10	12	1950	0250	14.2S	75.7W	80	7.0	1	UNKNOWN	18	
20	12	1951	1325	4.6N	75.6W	176	6.9	23	SEVERE	15,40	
14	2	1970	1117	9.9S	75.6W	35	5.4	12	SEVERE	35,39	
8	3	1959	2302	11.5S	75.5W			5	LIMITED	24,40	
4	2	1938	1423	5.1N	75.5W	130	VIII	2	SEVERE	118	COLOMBIA: TAMESIS
		1840		0.1N	75.5W				UNKNOWN	47	ECUADOR
30	3	1813	0930	14.1S	75.4W			32	MODERATE	111	PERU: ICA
24	12	1937	0623	10.5S	75.3W		6.3	15	MODERATE	111	
1	11	1960	0846	38.5S	75.1W	55	7.4		LIMITED	25	
1	10	1969	0505	11.9S	75.1W	4	6.4	136	MODERATE	11,39	
15	1	1960	0930	15.0S	75.0W	150	7.0	63	LIMITED	25,40	
15	1	1960	0930	15.0S	75.0W	150	7.0	0	LIMITED	111	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
20	7	1948	1102	17.0S	75.0W		7.1		LIMITED	12
1	11	1947	1458	10.5S	75.0W		7.3	233	SEVERE	18
24	8	1942	2251	14.7S	75.0W			22	UNKNOWN	41
20	10	1687		15.0S	75.0W			200	SEVERE	102
12	5	1664	0930	15.0S	75.0W		XI	400	SEVERE	111
13	8	1960	1414	40.0S	74.9W	56	6.9		LIMITED	25
9	2	1967	1524	2.9N	74.9W	60	6.8	98	20	11,39
9	2	1967	1524	2.9N	74.8W	58	VII	98	EXTREME	118
5	9	1944	0439	44.9N	74.8W		VIII	0	2	128
5	9	1944	0039	45.0N	74.8W				2	41
5	9	1944	0438	44.7N	74.7W		5.6	0	1.5	38
15	7	1785		4.5N	74.6W				MODERATE	110
22	5	1942	1031	4.6N	74.5W				MODERATE	41
22	5	1960	1911	39.5S	74.5W#			5,700	417	51
22	5	1960	1911	39.5S	74.5W		8.5	2,231	675	25
15	5	1976	2155	11.6S	74.4W	33	6.6	5	UNKNOWN	41
24	12	1959	1250	13.5S	74.0W			7	MODERATE	11
4	10	1966	2215	4.6N	74.0W	5	VII	6	LIMITED	118
29	8	1917	1130	4.6N	74.0W		VIII	6	MODERATE	118
31	8	1917	0636	4.6N	74.0W		6.6	SOME	LIMITED	110
22	12	1923	1000	5.0N	74.0W			7	SEVERE	110
6	8	1913	2214	17.0S	74.0W	25	7.9	SEVERAL	LIMITED	111
25	5	1751	0600	37.0S	74.0W			30	EXTREME	148,157
28	10	1562		38.0S	74.0W			MANY	LIMITED	148,157
16	3	1657	0100	37.0S	74.0W		8.0		SEVERE	2,148,157
4	9	1966	2214	4.6N	73.9W	8	5.2B	6	SEVERE	28,39
20	4	1931	1956	43.4N	73.7W		0.0		LIMITED	38
16	9	1732	1600	45.5N	73.6W			7	LIMITED	128
20	4	1949	0329	38.0S	73.5W	70	7.3	57	MODERATE	17
28	10	1952	0429	18.5N	73.5W	24	5.9	6	0.050	19
21	5	1960	1002	37.5S	73.5W		7.3	0	MODERATE	25
25	1	1953	1947	18.4N	73.4W		5.7	2	MODERATE	40
4	11	1913	2133	14.3S	73.3W			150	SEVERE	111
15	10	1971	1033	14.1S	73.3W	54	5.7B	14	SEVERE	39
10	5	1975	1427	38.1S	73.2W	6	7.8		MODERATE	34
2	12	1914	2355	15.2S	73.2W			34	SEVERE	111
22	12	1923	0955	5.2N	73.2W		X	7	SEVERE	118
7	11	1837	1251	39.8S	73.2W		8.0	60	LIMITED	2,55,56,157
7	11	1837	1330	39.8S	73.2W			0	MODERATE	5
16	12	1575	2000	39.5S	73.1W		8.5	120	LIMITED	2,157
8	2	1570	1300	36.8S	73.0W		8.0	0	LIMITED	2,148,157
8	7	1730		36.9S	73.0W				EXTREME	5
9	7	1730		36.9S	73.0W				UNKNOWN	5

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
			1730	36.9S	73.0W				UNKNOWN	5	CHILE: CONCEPCION
25	3	1751		36.9S	73.0W				UNKNOWN	5	CHILE: CONCEPCION
24	5	1751	0630	36.9S	73.0W				UNKNOWN	5	CHILE: CONCEPCION
20	2	1835	1640	36.9S	73.0W				EXTREME	5	CHILE: CONCEPCION
7	11	1837		36.9S	73.0W				EXTREME	148	CHILE: CONCEPCION (TSUNAMI)
29	7	1967	1025	6.8N	73.0W		7.5	20	SEVERE	118	VENEZUELA: CARACAS
29	7	1967	1024	6.8N	73.0W	161	6.8	10	MODERATE	7,39	
18	4	1974	0119	6.9N	72.9W	24	5.0	3	LIMITED	36	COLOMBIA
30	1	1943	0501	14.4S	72.9W			200	UNKNOWN	41	PERU: YANACOA
30	1	1943	0533	14.4S	72.9W	100	6.9	75	SEVERE	1,105,111	PERU: YANAQCA,PAMPAMARCA
8	7	1950	0235	7.6N	72.8W				VIII	126	COLOMBIA: ANBOLEDAS
13	1	1960	1540	15.8S	72.8W		7.5	9	SEVERE	111	
7	5	1842		19.7N	72.8W			200	SEVERE	55,148	WEST INDIES,ST. DOMINGO,CAPE HAYTIEN
7	5	1842		19.7N	72.8W			4,500	SEVERE	73	ST. DOMINGO: CAPE HAYTEN
20	2	1835	1626	36.7S	72.8W					55	CHILE: CONCEPCION,TALCAHUANO,CHILLAN
7	5	1842		19.7N	72.8W#			3,000	UNKNOWN	51	DOMINICAN REPUBLIC: SANTIAGO
16	2	1979	1008	16.4S	72.7W	53	6.9	14	MODERATE	131	PERU
6	5	1953	1716	36.5S	72.6W	60	7.6	19	32	16,40	
20	2	1835	1630	36.5S	72.6W		8.5	35	SEVERE	2,157	CHILE: CONCEPCION (TSUNAMI)
19	5	1791	0300	41.5N	72.5W				VIII	128	CONNECTICUT: EAST HADDAM
11	6	1638	2000	46.5N	72.5W			0	LIMITED	128	ST. LAWRENCE VALLEY
16	5	1875		7.9N	72.5W			14,000	SEVERE	73	COLOMBIA: SAN JOSE DE CUCUTA
16	5	1875		7.9N	72.5W#			16,000	UNKNOWN	7,51,70	VENEZUELA,COLOMBIA
18	5	1875	1010	7.9N	72.5W#			461	SEVERE	110	COLOMBIA
18	5	1875	1010	7.9N	72.5W			10,000	UNKNOWN	7,51,55,70	COLOMBIA; VENEZUELA: SEBERATINA,CUCUTA
9	7	1950	0235	7.8N	72.5W	41		20		64	
9	7	1950	0235	7.8N	72.5W	41		211	5	18	
11	10	1922	1450	16.0S	72.5W		7.4		MODERATE	111	
31	7	1970	1708	1.4S	72.5W	651	7.1	1	UNKNOWN	35	
9	3	1960	2354	16.5S	72.5W	150	6.1	1	LIMITED	25	
14	2	1962	0636	37.8S	72.5W	45	7.3		MODERATE	40	
10	7	1821	1000	16.4S	72.3W			162	SEVERE	111	CAMANA,OCONA,CARAVELI
25	1	1939	0332	36.2S	72.2W	60	8.3	28,000	100	3,51,157	CHILE: CHILLAN
<b>72°W</b>											
6	4	1943	1607	30.7S	72.0W		8.3	11	LIMITED	2,157	CHILE: ILLAPEL
21	5	1950	1837	13.5S	72.0W		6.0	83	UNKNOWN	18	
21	5	1950		13.0S	72.0W				MODERATE	102	PERU: CUZCO
24	6	1939	0422	12.5S	72.0W			37	LIMITED	7,105,111	PERU: POMANCHI
21	5	1950	1838	14.0S	72.0W	9	6.0	120	MODERATE	111	
21	5	1950	1837	14.0S	72.0W		6.0	94	SEVERE	153	

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
17	8	1906		33.0S	72.0W#			3,760	256	51	CHILE: VALPARAISO
17	8	1906	0040	33.0S	72.0W		S 8.6	1,500	SEVERE	1,5,145	
1	12	1928	0406	35.0S	72.0W		S 8.3	225	SEVERE	2,157	CHILE: TALCA
13	1	1960	1540	16.0S	72.0W	200	7.5	57	SEVERE	25	
15	1	1958	1914	16.5S	72.0W	60	7.3	28	MODERATE	27,40	
19	4	1955	2024	30.0S	72.0W		7.0	1	SEVERE	14	CHILE (TSUNAMI)
17	9	1707	1648	13.0S	72.0W			160		102	PERU: CUZCO
30	3	1828		16.0S	72.0W			30	MODERATE	102	PERU: AREQUIPA
8	7	1730	0945	33.0S	72.0W		8.5		MODERATE	2,148,157	CHILE: RIO ACONCAGUA (TSUNAMI)
13	5	1647		35.0S	72.0W					55	CHILE: SANTIAGO, CONCEPCION
22	1	1582		16.0S	72.0W		X	MANY	MODERATE	102	PERU: AREQUIPA
14	5	1647	0330	35.0S	72.0W		8.5	1,000	MODERATE	2,51,157	CHILE: SANTIAGO
19	2	1600		16.0S	72.0W		IX		MODERATE	102	PERU: AREQUIPA
20	11	1822	0100	33.5S	71.8W					55	CHILE: COPIAPO TO VALDIVIA
19	11	1822	1500	33.5S	71.8W		8.0	72	UNKNOWN	2,157	CHILE: VALPARAISO
3	5	1849		10.6N	71.8W				SEVERE	94	VENEZUELA: MARACAIBO
17	12	1849		30.0S	71.5W				SEVERE	148	CHILE: COQUIMBO (TSUNAMI)
2	4	1851	1127	33.0S	71.5W			FEW	MODERATE	5,157	CHILE: VALPARAISO
19	11	1822		32.7S	71.5W				SEVERE	148	CHILE: VALPARAISO (TSUNAMI)
13	5	1784	1235	16.5S	71.5W		IX	54	MODERATE	55,111	PERU: AREQUIPA
19	11	1822	1500	33.0S	71.5W				EXTREME	5	CHILE: VALPARAISO
24	11	1604		16.5S	71.5W		8.5		SEVERE	2,55,151	PERU: AREQUIPA
		1647		33.0S	71.5W				UNKNOWN	5	CHILE: VALPARAISO (TSUNAMI)
		1570		33.0S	71.5W				UNKNOWN	5	CHILE: VALPARAISO (TSUNAMI)
23	11	1604	1830	16.5S	71.5W			23	LIMITED	111	PERU: AREQUIPA, SAN MARCOS
20	5	1918	1755	28.5S	71.5W	80	7.9				
20	12	1940	0727	43.7N	71.5W		5.6		LIMITED	2	
6	4	1943	1607	31.5S	71.4W			18	UNKNOWN	41	CHILE
9	7	1971	0303	32.5S	71.3W	58	7.5	83	SEVERE	32,39	
13	3	1975	1526	29.9S	71.3W	4	6.9	2	UNKNOWN	34	
28	3	1965	1633	32.4S	71.2W	61	7.4	174	100	40	
28	3	1965	1633	32.4S	71.2W	61	7.3	400	EXTREME	30	
5	10	1817	1645	42.5N	71.2W		VIII		UNKNOWN	53	MASSACHUSETTS: WOBURN
26	3	1812		8.5N	71.0W			20,000	SEVERE	2,3,51	VENEZUELA: CARACAS
20	2	1835		32.0S	71.0W&				SEVERE	148	CHILE: VALPARAISO (TSUNAMI)
26	3	1812		8.5N	71.0W					55	VENEZUELA; COLOMBIA: MERIDA
13	8	1868		18.5S	71.0W#			40,000	300	3,51	PERU: IBARRA, ECUADOR: QUAYAQUIL
13	8	1868		18.5S	71.0W#			25,000	60	73	PERU: AREQUIPA, IQUIQUE, TACNA, CHENCHA, EQUADOR
13	8	1868		18.5S	71.0W#					55	S. PERU; BOLIVIA: N. CHILE (TSUNAMI)
9	5	1877	0128	21.5S	71.0W		8.0	33	MODERATE	111	CHILE, PERU, ILO, ARICA, MOLLENDO (TSUNAMI)
13	8	1868	2145	18.5S	71.0W#		8.5	11,500	EXTREME	2,157	CHILE: (ARICA); PERU
13	8	1868		18.5S	71.0W#			2,000	UNKNOWN	51	PERU: AREQUIPA; CHILE: ARICA
13	8	1868	1645	18.5S	71.0W			25,000	EXTREME	56	(TSUNAMI)

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
10	5	1377	0059	21.5S	71.0W			33	1.6	56,111 (TSUNAMI)
14	8	1868	0200	18.5S	71.0W#			MANY	SEVERE	114 CHILE: ARICA
30	6	1959	2241	8.3N	71.0W	60	4.3	1	LIMITED	24
17	12	1949	1507	54.0S	71.0W		7.8	3	LIMITED	157
11	5	1948	0856	17.4S	71.0W		7.1	1	0.600	111 PERU: AREQUIPA, MOQUEGUA, TACNA
17	12	1949	0653	54.0S	71.0W		7.8	1	LIMITED	17,157
18	12	1921	1529	2.5S	71.0W	650	7.9			
4	12	1918	1147	26.0S	71.0W		7.8			
23	2	1933	0809	20.0S	71.0W	40	7.6			
17	1	1922	0350	2.5S	71.0W	650	7.6			
13	8	1868	2145	17.3S	70.9W			493	EXTREME	111 PERU: MOQUEGUA, AREQUIPA, TACNA, CHALA, ARICA
		1562	33.5S	70.9W					UNKNOWN	5 CHILE: SANTIAGO
		1647	33.5S	70.9W					UNKNOWN	5 CHILE: SANTIAGO
		1570	33.5S	70.9W					UNKNOWN	5 CHILE: SANTIAGO
18	9	1833	1031	17.6N	70.8W			18	MODERATE	55,102,111 PERU; CHILE: AREQUIPA, ARICA, TACNA
1	3	1925	0219	48.2N	70.8W	60	7.0		LIMITED	1,38,128
13	9	1945	1117	34.2S	70.8W	100	7.1	4	UNKNOWN	18
28	12	1966	0818	25.4S	70.7W	47	7.8	3	SEVERE	39
31	8	1961	0157	10.5S	70.7W	629	7.5			
18	10	1751	18.5N	70.7W					SEVERE	146 HISPANIOLA
13	5	1647	33.4S	70.7W				2,000	SEVERE	151 CHILE: SANTIAGO
		1633	33.4S	70.7W&					SEVERE	151 CHILE
		1894	85.0N	70.7W				GREAT	UNKNOWN	64 VENEZUELA: MERIDA, MESA, BOLIVAR
3	8	1978	1811	26.6S	70.6W	51	6.5		LIMITED	132
23	2	1965	2211	25.7S	70.5W	80	7.3	1	LIMITED	30
2	8	1946	1918	26.5S	70.5W	50	7.9	2	SEVERE	21
8	2	1954	29.0S	70.5W			7.7		UNKNOWN	87
18	12	1918	1244	27.3S	70.5W		7.5		SEVERE	157 CHILE: COPIAPO
8	6	1909	26.5S	70.5W			7.6			87
9	5	1877	1730	20.5S	70.5W			X MANY	EXTREME	114 CHILE: IQUIQUE (TSUNAMI)
11	4	1819	27.3S	70.5W					LIMITED	148 CHILE: COPIAPO (TSUNAMI)
		1819	27.3S	70.5W					UNKNOWN	5 CHILE: COPIAPO
3	4	1819	1500	27.3S	70.5W		8.0		UNKNOWN	2,114 CHILE: COPIAPO
11	4	1819	27.3S	70.5W			8.0		MODERATE	2,114 CHILE: COPIAPO
		1822	27.3S	70.5W					UNKNOWN	5 CHILE: COPIAPO
		1796	27.3S	70.5W					UNKNOWN	5 CHILE: COPIAPO
4	4	1819	27.3S	70.5W			8.0		SEVERE	2,114 CHILE: COPIAPO
8	1	1962	0100	18.4N	70.4W	32	6.5	1	LIMITED	29
6	2	1716	18.0S	70.3W				MANY	LIMITED	111 PERU: PUEBLO DE TORATA IN TACNA
26	11	1705	18.6S	70.2W					SEVERE	148 CHILE: ARICA (TSUNAMI)
23	11	1604	1830	18.6S	70.2W		8.5		SEVERE	157 CHILE: ARICA; PERU; AREQUIPA
11	5	1948	0855	17.5S	70.2W	70	7.3	4	LIMITED	12
5	2	1663	2230	47.6N	70.1W			X 0	LIMITED	53,128 ST. LAWRENCE VALLEY

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
16	12	1575		33.5S	70.0W					55	CHILE: SANTIAGO
18	11	1755	0911	42.5N	70.0W		VIII	0	LIMITED	53,128	MASSACHUSETTS: EAST OF CAPE ANN
9	5	1877	1730	20.0S	70.0W		X	MANY	EXTREME	112	CHILE: TARAPACA
17	10	1860	1100	47.5N	70.0W		IX		LIMITED	128	CANADA
11	11	1922	0432	28.5S	70.0W	S	8.4		SEVERE	157	CHILE: ATACAMA (TSUNAMI)
21	12	1967	0225	21.8S	70.0W	33	7.3	1	MODERATE	11,39	
26	2	1952	1131	14.1S	69.9W		7.5			111	
3	8	1950	2218	9.8N	69.7W	8	6.8	100	UNKNOWN	18	
5	4	1975	0934	10.0N	69.7W	33	6.1	3	1.2	64,34	
4	9	1958	2151	33.5S	69.5W		6.8	7	SEVERE	40	
19	9	1966	1840	10.8N	69.5W	12	5.0		SEVERE	39	
8	8	1946	1328	19.5N	69.5W	S	7.9			7	
15	8	1963	1725	13.8S	69.3W	543	7.7		INSIGNIFICANT	40	
17	6	1971	2100	25.5S	69.2W	93	7.0	1	MODERATE	32,39	
23	3	1979	1932	17.9N	69.0W	80	6.1MB	0	LIMITED	131	DOMINICAN REPUBLIC
14	6	1959	0012	20.4S	69.0W	83	7.4	1	LIMITED	24	
26	7	1958	1738	13.5S	69.0W	620	7.5		LIMITED	111	
25	4	1949	1354	19.7S	69.0W	110	7.3		UNKNOWN	17	
4	8	1946	1751	19.2N	69.0W		8.1	100	SEVERE DAMAGE	21	
19	10	1929	1012	23.0S	69.0W	100	7.5				
30	11	1976	0040	20.5S	68.9W	82	7.3	1	MODERATE DAMAGE	41	
20	3	1861		32.8S	68.8W			7,000	SEVERE	73	SOUTH AMERICA: MENDOZA
21	3	1861		32.8S	68.8W			18,000	UNKNOWN	2,51	ARGENTINA: MENDOZA
7	12	1953	0205	22.1S	68.7W	128	7.4		SEVERE	16	
15	1	1944	2349	31.5S	68.5W			8,000	100	41	ARGENTINA
15	1	1944	2349	31.6S	68.5W	50	7.8	5,000	SEVERE	2,6	
6	6	1915	2129	18.5S	68.5W	160	7.6				
25	8	1916	0944	21.0S	68.0W	180	7.5				
5	6	1942		34.6S	67.9W				SEVERE	41	ARGENTINA: CANADA, SECA, MALVINAS, VILLA, TERNEL, SA
23	11	1977	0926	31.0S	67.8W	13	7.4	70	SEVERE	42	
9	12	1950	2138	23.5S	67.5W	100	8.1	4	LIMITED	153	
11	6	1952	0031	31.5S	67.5W		7.0	5	UNKNOWN	19	
29	7	1943	0302	19.2N	67.5W	S	7.9			7	
9	12	1950	2138	23.5S	67.5W	100	8.3	1	UNKNOWN	18	
11	10	1918	1415	18.5N	67.5W		7.5	116	4	78,128	PUERTO RICO (TSUNAMI)
30	7	1967	0000	10.6N	67.3W#			225	EXTREME	51	VENEZUELA: CARACAS
30	7	1967		11.0N	67.3W	102	6.3	300	UNKNOWN	80	
30	7	1967	0000	10.6N	67.3W	10	6.5	300	140	64	
30	7	1967	0000	10.6N	67.3W	10	6.5	240	EXTREME	39	
14	4	1878		10.2N	67.0W			300	0.150	73	VENEZUELA: CUA
12	4	1878		10.2N	67.0W					55	VENEZUELA: CUA
		1812		11.0N	67.0W			40,000	EXTREME	64	VENEZUELA
		1641		11.0N	67.0W			MANY	SEVERE	64	VENEZUELA: CARACAS



DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
8	12	1875		18.5N	66.7W		VII	0	UNKNOWN	128 PUERTO RICO: ARECIBO
16	3	1812		10.3N	66.6W			12,000	UNKNOWN	73 CARACAS
30	1	1914		33.3S	66.3W		8.2			2
29	10	1900	0911	11.0N	66.0W		S 8.4	GREAT	UNKNOWN	64 VENEZUELA
29	11	1957	2219	21.0S	66.0W	200	7.8		LIMITED	26
21	3	1861	0016	34.0S	66.0W					55 ARGENTINA: SAN LUIS, SAN VICENTI
17	1	1929	1146	10.6N	65.6W		6.1		SEVERE	46
03	02	1599	2000	10.0N	65.2W			60	SEVERE	118 VENEZUELA: BAILADORES
18	11	1867	1845	18.2N	65.0W		VIII	0	LIMITED	128 VIRGIN ISLANDS
1	9	1958	1430	18.0S	65.0W			4	EXTREME	40
12	5	1865		18.4N	64.9W		VI		UNKNOWN	128
20	4	1824		18.4N	64.9W		VII		LIMITED	128 VIRGIN ISLANDS
4	12	1797		10.5N	64.5W			16,000	UNKNOWN	55,103 VENEZUELA: CUMANA, CARIACO
8	2	1855	1130	46.0N	64.5W		VI		UNKNOWN	128 CANADA
17	1	1929	1145	10.5N	64.5W		6.9	MANY	MODERATE	103 VENEZUELA: CUMANA
15	7	1853		10.5N	64.2W			600		94 CUMANA
15	7	1853		10.5N	64.2W			800		55 VENEZUELA: CUMANA
11	09	1530	1500	10.3N	64.1W			MANY	SEVERE	118 VENEZUELA: CUMANA
		1543		10.6N	64.1W			MANY	UNKNOWN	64 VENEZUELA: NUEVA CADIZ, ISLA CUBAGUA
17	1	1929	1145	11.0N	64.0W			MANY	UNKNOWN	64
12	6	1974	1626	10.6N	63.4W	34	6.1	5	2.5	64
21	6	1916	2132	28.5S	63.0W	600	7.5			
28	1	1947		26.5S	63.0W		7.5		UNKNOWN	87
20	9	1968	0600	10.7N	62.6W	107	6.2	3	MODERATE	11
7	12	1912	2246	29.0S	62.5W	620	7.5			
1	9	1530		10.7N	62.5W			MANY	UNKNOWN	64,146 VENEZUELA: CUMANA PROVINCE
8	10	1974	0950	17.3N	62.0W	47	7.5		MODERATE	36 ANTILLES: ANTIGUA
4	12	1954	1831	10.9N	61.4W	53	6.5	1	0.5	2
3	12	1906	2259	15.0N	61.0W	100	7.5			
12	10	1788		14.0N	61.0W			900		55 WEST INDIES: ST. LUCIA
8	2	1843		16.0N	61.0W			5,000	EXTREME	60 WEST INDIES: GUADALOUPE
21	5	1946	0916	14.5N	60.5W	50	7.0		LIMITED	21
25	12	1969	2132	15.8N	59.7W	7	7.2		LIMITED	11
21	10	1776	0500	6.0N	58.0W				MODERATE	94 BERBICE
18	11	1929	2032	44.0N	56.0W		7.2	52	SEVERE	38,128,146 GRAND BANKS (TSUNAMI)
		1774		47.0N	55.0W&			300	UNKNOWN	146 NEWFOUNDLAND (TSUNAMI)
		1774		4.6N	52.2W				SEVERE	94 CAYENNE
13	10	1925	1740	11.0N	42.0W		7.5			
23	2	1968	1423	6.1S	38.4W	33	4.5	1	LIMITED	11

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE	LOCATION
<b>36°W</b>											
22	6	1941	1815	32.5N	34.0W		4.4		UNKNOWN	4	
27	6	1929	1247	54.0S	29.5W	S	8.3				
28	2	1968	0000	37.7N	29.4W		7.6		UNKNOWN	2	
14	5	1958	0234	38.5N	28.8W				MODERATE	40	
18	2	1964	1219	38.8N	28.4W	33	4.6		SEVERE	40	
1	9	1961	0009	59.5S	27.3W	131	7.5				
8	9	1961	1126	56.3S	27.1W	125	7.6				
5	9	1961	0000	58.0S	27.0W		7.7			2	
4	4	1904	1017	41.8N	23.2W		7.8		LIMITED	2,155	PERU
6	10	1973	1507	60.8S	21.5W	33	7.5				
20	4	1706		63.9N	21.2W		X		SEVERE	93	OELFUS
		1182		64.0N	21.0W		X	11	UNKNOWN	55,93	ICELAND: SOUTHLAND
		1308		64.0N	21.0W		6		LIMITED	55	ICELAND: SOUTHLAND
		1370		64.0N	21.0W			6	LIMITED	55	ICELAND: SOUTHLAND, OLFUS
26	8	1896		64.0N	21.0W				SEVERE	55	ICELAND: ARNESSYSLA, RANGARVALLASYSLA, FAXAFLOI
		1013		64.0N	21.0W		X	11	UNKNOWN	93	SUDURLAND
22	5	1339		63.8N	20.5W					55	ICELAND: ARNESSYSLA, RANGARVALLASYSLA, SKEID, FLOI
14	8	1784		63.8N	20.5W				SEVERE	55	ICELAND: SOUTHLAND, ARNESSYSLA, BANGAR, SYSLA
28	3	1963	0015	66.1N	20.1W	33	7.2	0	LIMITED	10	
		1164		64.3N	20.0W		X	19	UNKNOWN	55,93	ICELAND: SOUTHLAND, GRIMSNES
25	11	1941	1803	37.5N	18.5W	S	8.4				
26	5	1975	0911	35.9N	17.6W	33	8.1		LIMITED	34	
20	3	1810		28.2N	16.6W		IX	MANY	UNKNOWN	99	TENERIFFE I. (VOLCANIC?)
23	1	1947	0952	28.5N	16.4W		4.4		UNKNOWN	4	
1	11	1755		36.0N	11.0W			60,000	UNKNOWN	2,3,51	PORTUGAL: LISBON (TSUNAMI)
1	11	1755		36.0N	11.0W		XI	8,000	SEVERE	93	PORTUGAL: LISBON
1	11	1755		36.0N	11.0W			62,000	EXTREME	73	PORTUGAL: LISBON: SPAIN: MOROCCO
28	2	1969	0240	36.0N	10.5W	22	8.0	7	MODERATE	11,39	
29	2	1960	2340	30.4N	9.6W#			13,100	120	51	MOROCCO: AGADIR
29	2	1960	2340	30.4N	9.6W		5.9	12,000	EXTREME	40	MOROCCO: AGADIR
1	3	1757		38.7N	9.4W				UNKNOWN	5	PORTUGAL: CASCAES
26	1	1531		38.4N	9.1W				MODERATE	55	SPAIN: PORTUGAL; LISBON
28	1	1551		38.4N	9.1W				LIMITED	55	PORTUGAL: LISBON
28	1	1551		38.4N	9.1W		IX	2,000	SEVERE	93	PORTUGAL: LISBON
		1151		38.7N	9.1W			THOUSANDS	LIMITED	151	PORTUGAL: LISBON
26	1	1531		38.4N	9.1W		X	30,000	UNKNOWN	7,51,73,93	PORTUGAL: LISBON
28	1	1551		38.0N	9.0W			2,000	MODERATE	5	PORTUGAL: LISBON
22	7	1598		38.0N	9.0W				MODERATE	5	PORTUGAL: LISBON
		1344		38.0N	9.0W				SEVERE	5	PORTUGAL: LISBON
26	1	1531		38.0N	9.0W				EXTREME	5	PORTUGAL: LISBON

DAY	MO	YR	UT	LAT	LONG	DEPTH (KM)	MAG/ INT	DEATHS	DAMAGE (10 <sup>6</sup> \$ U.S.)	REFERENCE LOCATION
28	7	1597		38.0N	9.0W				MODERATE	5 LISBON
24	8	1356		38.0N	9.0W				MODERATE	5 LISBON
26	2	1800		38.0N	9.0W				UNKNOWN	5 LISBON
1	11	1755	1016	38.0N	9.0W			55,000	EXTREME	5 LISBON (TSUNAMI)
11	3	1756		38.0N	9.0W				UNKNOWN	5 LISBON
31	3	1761	1300	38.0N	9.0W			0	INSIGNIFICANT	5 LISBON
11	11	1858		38.2N	9.0W		X	6	MODERATE	93 SPAIN: SETUBAL
23	4	1909	1741	37.8N	8.9W		X	30	UNKNOWN	4,93 SPAIN: RIBATEJO
11	11	1858	0730	38.5N	8.8W			SOME	MODERATE	5 SPAIN: SETUVAL
27	12	1722		37.0N	8.0W		X	MANY	UNKNOWN	93 SPAIN: L'ALGARVE
	11	1587		37.1N	8.0W		X	170	UNKNOWN	93 SPAIN: LOULE
24	8	1356		36.8N	5.9W		X		SEVERE	93 SPAIN: SEVILLE,CADIZ,CORDOUE
		1464		37.3N	5.6W		IX		SEVERE	93 SEVILLE,SPAIN
5	4	1504		37.3N	5.4W		X	SOME	UNKNOWN	93 SPAIN: CARMONA
19	11	1755		34.1N	5.3W				SEVERE	5 AFRICA: MEQUINEZ
5	7	1930	2312	37.8N	4.5W			5.6	MODERATE	1,93 SPAIN: MONTILLA
9	10	1680	0730	36.5N	4.4W		IX	70	SEVERE	93,124 SPAIN: MALAGA
25	12	1884	2055	37.0N	4.0W		XI	307	SEVERE	99 SPAIN
25	12	1884		37.0N	4.0W#		XI	745	SEVERE	55,73,93 SPAIN: VEGA,ALHAMA,MALAGA
25	12	1884		36.9N	4.0W		IX	745	SEVERE	124 SPAIN: ARENAS DEL REY
4	1	1929	2058	33.5N	4.0W			4.3	UNKNOWN	4
24	12	1930	1427	34.5N	4.0W			4.8	UNKNOWN	4
19	4	1956	1838	37.0N	4.0W			7	SEVERE	14
24	4	1413		37.2N	3.6W		IX		SEVERE	124 SPAIN: GRANADA
29	3	1954	0617	37.0N	3.5W	640		7.0	SEVERE	13
26	12	1979	0357	55.1N	2.7W	10	4.8MB	0	LIMITED	131 UNITED KINGDOM
		811		56.3N	2.7W			1,400	SEVERE	55 SCOTLAND: ST. ANDREWS
25	8	1804		36.9N	2.4W		X	162	UNKNOWN	93 SPAIN: DALIAS
25	8	1804	0700	36.9N	2.4W		X	4	MODERATE	99 SPAIN
21	9	1522		36.5N	2.3W		XI	MANY	UNKNOWN	93 SPAIN: ALMERIA
9	11	1518		37.2N	1.5W		XI	MANY	EXTREME	93 SPAIN: VERA
16	3	1829		38.3N	1.5W			6,000	SEVERE	73 SPAIN: MURCIA
22	6	1939	1919	6.0N	1.0W			6.5	UNKNOWN	2
21	3	1829	1800	38.2N	0.9W		7	XI	SEVERE	99 SPAIN
13	8	1967	2208	43.1N	0.7W	15		5.9	MODERATE	39
23	3	1748		39.5N	0.4W		X	MANY	MODERATE	93 VALENCIA
21	3	1829		37.6N	0.4W		XI	389	SEVERE	55,93 SPAIN: TORREVIEJA
25	3	1749		39.5N	0.4W			5,000	UNKNOWN	51 SPAIN: VALENCIA
2	2	1374		42.1N	0.3W		X	MANY	UNKNOWN	93 SPAIN: RIBAGORCA
13	7	1967	0210	35.5N	0.1W	13		5.0	LIMITED	11,39
22	6	1939	1919	5.2N	0.1W	13	IX		SEVERE	77



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## DISCLAIMER

Erroneous statistical conclusions can be drawn from the numbers of earthquakes taken from "Publication SE-27, Catalog of Significant Earthquakes, 2000 B.C. - 1979." The reporting of large or destructive earthquakes is not homogeneous in space or time, particularly for periods prior to the 1900s. Because Publication SE-27 mainly lists those earthquakes that have caused death or damage, the number of earthquake reports is dependent on the written history available for a particular region, as well as on the rate of development of population centers and related structures. Therefore, it is misleading to use the numbers of significant earthquakes in that publication to suggest statistically that there has been an increase in worldwide seismic activity since 1900 or for any time period. The following observations must be taken into account when looking at that "apparent" increase in earthquake activity:

Instrumental seismology is a young science. The first calibrated instruments to measure seismic waves traveling through the Earth did not appear until the late 1800s. At that time, seismologists became aware of the vast numbers of earthquakes occurring throughout the world, but because of the insensitivity of their instruments they were able to locate only the large-magnitude events.

The 1960s saw two major advances. First, a network of seismological observatories was installed by the U.S. Government, principally to monitor underground nuclear tests. These sensitive instruments could detect and identify earthquakes anywhere in the world from about magnitude 4.5.

Second, computers became available in the late 1960s. Computers allowed seismologists to leave inaccurate and cumbersome graphical methods of locating earthquakes, and to process the increasing volume of new network data more rapidly than ever before. Prior to 1962, only hundreds of earthquake epicenters were determined each year by Government and academic institutions, but the number increased to the thousands using computerized location methods. In some special local studies, more than 100,000 earthquakes per year were identified and located.

In summary, using the data in Publication SE-27 to suggest that there has been an increase in worldwide earthquake activity is misleading and erroneous. The above observations and reporting factors must also be considered when making statistical studies based on that historical data report.

## MAJOR EARTHQUAKES OF THE WORLD, 1980 -1990

This listing includes events that meet the following criteria: moderate damage (\$1 million damage or greater, or greater, or estimated to be at least \$1 million), or at least 10 deaths, or magnitude 7.5 and larger.

Estimated damage is classified as follows: Limited - less than \$1 million; moderate - roughly corresponding to \$1 to \$5 million; severe - roughly corresponding to \$5 to \$25 million; extreme - roughly corresponding to more than \$25 million.

Where numerical values are given in the damage column they are in millions of dollars (U.S.)

REFERENCES are coded as follows:

- 140 - *Earthquake Information Bulletin*, U.S. Geological Survey
- 201 - *Geotimes*, American Geological Institute
- 202 - *Preliminary Determination of Epicenters (PDE)*, U.S. Geological Survey
- 203 - *Scientific Event Alert Network (SEAN)*, Smithsonian Institution
- 204 - United Nations Disaster Relief Organization (*UNDRO*)
- 205 - New York Times Information Service
- 206 - Earthquake Engineering Research, 1982
- 207 - *EOS*, American Geophysical Union
- 208 - *Tsunami Newsletter*, ITIC Progress Report 1982-1984
- 209 - *California Geology*, California Division of Mines and Geology
- 210 - U.S. Department of Commerce Bulletin
- 211 - U.S. Department of State Bulletin
- 212 - *Tsunami Warning Log*, NOAA/NWS Pacific Tsunami Warning Center

YEAR	DATE	TIME	LAT	LONG	DEPMAG	DEATHS	DAMAGE	REFERENCES	LOCATION
198001011643	38.8	-27.70106.7				60	SEVERE	202, 203, 204, 205	AZORES IS.
198001241900	37.8	-121.80115.9				13.5		202, 203, 205	CALIFORNIA: LIVERMORE
198004161218	-8.0	108.80845.9				0	SEVERE	202, 203, 204	INDONESIA: JAVA
198005140141	40.5	15.90244.5				0	MODERATE	202	ITALY: SOUTH
198005180709	14.7	-91.31055.3				0	MODERATE	202	GUATEMALA: S CO
198005182002	43.3	20.80095.8				0	SEVERE	202, 203, 204	YUGOSLAVIA: CENTRAL
198006090328	32.3	-115.00056.4				2	MODERATE	202, 203, 204, 205	MEXICO: NORTHWEST
198006290720	34.8	139.20196.2				0	MODERATE	202, 203, 204	JAPAN: S. CO. HONSHU (TSUNAMI)
198007090211	39.3	23.30146.4				1	SEVERE	202, 203	GREECE: AEGEAN SEA
198007111147	40.1	70.60335.2				0	LIMITED	202	USSR
198007120000		4.5				87	SEVERE	204	USSR: UZBEKISTAN
198007171942	-12.5	166.90338.0				0		202, 204	SOLOMON IS.-VANUATU: SANTA CRUZ (TSUNAMI)
198007220517	37.2	50.20625.4				1	MODERATE	202	IRAN, CASPIAN SEA
198007271852	38.2	-83.90085.2				01		202, 203, 205	KENTUCKY, MAYSVILLE
198007291458	29.6	81.10186.5				150	SEVERE	201, 202, 203, 204, 205	NEPAL-INDIA BORDER
198008181507	-2.0	-80.00555.6				8	SEVERE	201, 202, 203, 204, 205	ECUADOR: WEST
198008232136	32.9	75.60255.2				15	MODERATE	201, 202, 203, 204, 205	INDIA: KASHMIR
198008232150	32.8	75.60335.2				13	LIMITED	202, 204	INDIA: KASHMIR
198010101225	36.1	1.4 107.4				5000	SEVERE	201, 202, 203, 204, 205, 206	ALGERIA: NORTH
198010241453	18.2	-98.20726.8				65	SEVERE	201, 202, 203, 204	MEXICO: SOUTH
198011081027	41.2	-124.40147.0				52.75		202, 205	CALIFORNIA: N COAST
198011120658	-13.3	-74.40335.2				7	MODERATE	202, 203, 205	PERU: S CENTRAL
198011231834	40.9	15.30106.9				3105	SEVERE	201, 202, 203, 204, 205, 206	ITALY: SOUTH
198011261736	8.1	-72.20334.7				0	MODERATE	201, 202, 203, 204, 205	VENEZUELA: E
198012190117	34.5	50.70325.7				26	SEVERE	201, 202, 203, 204, 205	IRAN: N CENTRAL
198012221251	34.3	50.40325.5				4	SEVERE	201, 202, 203, 204	IRAN: N CENTRAL
198101191511	-4.6	139.20336.8				305	SEVERE	201, 202, 204, 140, 205	INDONESIA: WEST IRIAN
198101232114	30.9	101.10226.9				150	SEVERE	201, 202, 204, 205	CHINA: SICHUAN
198102141727	41.0	14.60104.9				12	LIMITED	202, 204	ITALY: SOUTH
198102242053	38.2	22.90336.8				18	MODERATE	140, 202, 204, 205	GREECE
198106110724	30.0	57.70336.9				3000	SEVERE	201, 202, 204, 205, 206	IRAN: SE
198106221753	-13.2	-74.50245.2				10	SEVERE	201, 202, 204	PERU: CENTRAL
198107281722	30.0	57.80337.3				1500	SEVERE	201, 202, 204, 205, 206	IRAN: SE
198108130258	44.8	17.30165.5				0	SEVERE	201, 202, 204	YUGOSLAVIA: NORTHWEST
198109120715	35.7	73.60336.1				212	SEVERE	201, 202, 204, 205, 206	INDIA: NW KASHMIR
198110180431	8.1	-72.40545.5				15	SEVERE	202, 204	VENEZUELA-N COLOMBIA BORDER
198110250322	18.0	-102.10337.4				1	SEVERE	202, 204, 205	MEXICO: MICHOCAN
198112122027	29.9	66.90334.7				6	MODERATE	201, 202, 205	PAKISTAN: CENTRAL
198201200425	6.9	94.00196.2				0	MODERATE	201, 202, 204	BAY OF BENGAL, INDIA
198201230000	24.0	121.60006.5				1		610	TAIWAN
198202101617	-6.7	106.90405.5				0	MODERATE	201, 202	INDONESIA: JAVA
198203210232	42.1	142.50446.9				110	MODERATE	202, 203, 204	JAPAN: HOKKAIDO (TSUNAMI)
198203282324	-12.7	-76.10956.1				3	SEVERE	202	PERU: COAST
198206152324	31.8	99.80005.6				10	MODERATE	202, 203	CHINA: SICHUAN
* 198206190622	13.2	-89.40757.0				40		207	EL SALVADOR
* 198206190622	13.2	-89.40757.0				15	SEVERE	202, 203	EL SALVADOR
* 198206190622	13.3	-88.40006.9				16	SEVERE	208	EL SALVADOR-GUATEMALA
* 198209290348	14.5	-89.00154.8				3	MODERATE	202, 203	W HONDURAS, GUATEMALA, EL SALVADOR
* 198209290351	14.5	-89.10155.4				0	MODERATE	203	W HONDURAS-GUATEMALA-EL SALVADOR
198210171057	43.2	12.70204.5				035		203, 204	ITALY: CENTRAL
198211162341	40.9	19.60215.6				1	SEVERE	202	ALBANIA
198212130913	14.7	44.30106.0				2800	EXTREME	202, 203, 204, 207, 208	YEMEN ARAB REPUBLIC
198212160041	36.2	69.10356.6				500	MODERATE	203, 204, 208	AFGHANISTAN: NORTHEAST
198212191744	-24.2	-176.00337.7				0		202, 203, 207, 208	TSOUTHWEST PACIFIC OCEAN
198212251228	-8.4	123.10335.6				13	MODERATE	202, 203, 204, 207, 208	INDONESIA: FLORES
198302130140	39.9	75.10166.2				0	MODERATE	202	CHINA: S XINJIANG
198302251822	42.1	21.50104.8				12	LIMITED	202, 203, 207	YUGOSLAVIA
198302262007	38.8	70.70495.2				0	SEVERE	202	AFGHANISTAN-USSR BORDER
198303180905	-4.9	153.60887.9				0	MODERATE	140, 202	TPAPUA NEW GUINEA: NEW IRELAND REGION
198303251158	36.0	52.30335.1				30	SEVERE	140, 202, 203	IRAN: NORTH (2 VILLAGES DEST)
198303311313	2.4	-76.70105.3				350	SEVERE	140, 202, 203, 204, 208	COLOMBIA: SOUTHWEST

198304020000		MODERATE	204	USSR: KUM-DAG, TURKEMENIA
198304030250	8.7 -83.10337.2	10MODERATE	140,204	COSTA RICA
198304040252	5.7 94.80856.5	MODERATE	140	INDONESIA: N SUMATRA
198304050651	40.1 75.30335.6	MODERATE	140	CHINA: WEST
198304121207	-4.8 -78.11046.7	10LIMITED	202,204	PERU: CHIMBOTE
198305022343	36.2-120.30106.5	031	140,202,203,208	CALIFORNIA: CENTRAL
198305260300	40.6 139.10247.8	104416	140,202,203	TJAPAN: AKITA, HONSHU
198307031714	9.7 -83.70336.1	2SEVERE	140,202,203,204	COSTA RICA: SOUTH
198307051201	40.3 27.20106.1	5MODERATE	202,203	TURKEY: NORTHWEST
198307220241	36.8 49.10615.5	3SEVERE	202,203	IRAN: NORTHWEST
* 198308171217	18.2 120.90296.5	16SEVERE	202	TPHILIPPINE IS.: LUZON
* 198308171218	18.2 120.90296.7	242.3	203,204	TPHILIPPINE IS.: LUZON
198310041852	-26.6 -70.80317.3	5MODERATE	202,203,204	TCHILE: NORTH
198310281406	43.9-113.9 147.3	212.5	202,203	IDAHO: BORAH PEAK
198310300412	40.2 42.30336.9	1400EXTREME	202,203,204,207	TURKEY: EAST (50 VILLAGES)
* 198311062109	35.2 115.20105.7	34SEVERE	140	CHINA: EAST
* 198311062109	35.2 115.20335.7	34SEVERE	202,203	CHINA: EAST (3,300 HOUSES)
198311070000		36	204	CHINA: SW. SHANDONG PROV.
198311080049	50.7 5.30104.7	250	202,203,204	BELGIUM (HUNDREDS BLDGS)
198311091629	44.7 10.30435.2	0MODERATE	202,203	ITALY: NORTH
198311161613	19.4-155.40116.7	07	140,202,203	HAWAII
198311301746	-6.9 72.10107.7	0LIMITED	140,202,203	TCHAGOS ARCHIPELAGO
* 198312220000	6.3	275EXTREME	204	NEW GUINEA (16 VILLAGES)
* 198312220000	6.5	10SEVERE	204	PAPUA NEW GUINEA
* 198312220411	12.0 -13.60106.4	350EXTREME	140	NEW GUINEA
* 198312220411	12.0 -13.60106.3	443SEVERE	202,203,207	NEW GUINEA
* 198312300000	6.5	243	204	AFGHANISTAN-PAKISTAN
* 198312302352	36.3 70.72227.2	24SEVERE	140	AFGHANISTAN-PAKISTAN
* 198312302352	36.3 71.91547.0	12MODERATE	202,203,207	AFGHANISTAN: HINDU KUSH
* 198401081524	-2.7 118.80336.4	2MODERATE	140,202,203,207	INDONESIA: W CELEBES (22 BLDG)
* 198401081524	-2.8 118.80336.7	2MODERATE	202	INDONESIA: W. SULAWESI
* 198402072133	-9.9 160.40147.5	0MODERATE	140	SOLOMON IS.: GUADALCANAL
* 198402072133	-10.0 160.50187.7	0MODERATE	202	SOLOMON IS.: GUADALCANAL
* 198402161719	36.4 70.92135.8	4SEVERE	140,202,203	PAKISTAN-NW. AFGHANISTAN
* 198402161719	36.4 70.82086.0	4MODERATE	202	PAKISTAN-NW. AFGHANISTAN
198403192028	40.3 63.30267.1	0SEVERE	140,202,204	USSR: UZBEKISTAN
198403272007	-4.6 145.80286.8	0MODERATE	202,203	PAPUA NEW GUINEA
* 198404242115	37.2-121.80106.1	030	203,204	CALIF.: CENTRAL
* 198404242115	37.2-121.70086.2	07.5	202	CALIF.: CENTRAL
* 198404242115	37.3-121.70086.1	010	140	CALIF.: CENTRAL
* 198404290503	43.3 12.60125.3	0SEVERE	140,202	ITALY: CENTRAL
* 198404290503	42.9 12.10335.6	031	203,204	ITALY: CENTRAL
198405071750	41.8 13.90105.8	3SEVERE	204,202,204,207	ITALY: S. CENTRAL
198405111042	41.8 14.00135.4	3SEVERE	202,204,207	ITALY: S. CENTRAL
198409070044	43.3 21.00135.3	0MODERATE	202	YUGOSLAVIA: EAST
* 198409132349	35.8 137.50026.3	24SEVERE	202	JAPAN: CENTRAL HONSHU
* 198409132349	35.8 137.50056.2	11MODERATE	203,207	JAPAN: CENTRAL HONSHU
* 198409181326	40.9 42.20106.4	3SEVERE	202	TURKEY: EAST: ERZURUM REGION
* 198409181326	40.5 42.10105.4	3MODERATE	203,207,211	TURKEY: EAST: ERZURUM REGION
* 198410180948	40.6 42.50SH5.4	3SEVERE	203,207	TURKEY: EAST: SENKAYA
198412302234	24.7 92.90SH5.8	20SEVERE	203,204,207	INDIA: ASSAM
198501260307	-33.1 -68.60475.8	6SEVERE	203	ARGENTINA: W CENTRAL
198502022053	28.4 53.00SH5.2	1SEVERE	203	IRAN: SOUTH
198503032247	-33.2 -72.00SH7.8	1771800	203	TCHILE: CENTRAL COAST
* 198504180000	6.3	22	204	CHINA: YUNNAN
* 198504180553	25.9 102.90335.8	22MODERATE	210,202,203,204,207	CHINA: LUJAN-WONBAIN
198504240107	16.5120.830SH6.0	6MODERATE	203	PHILIPPINE IS.: LUZON
198505101536	-5.6 151.10SH7.1	1	203,210,204	PAPUA NEW GUINEA
198507030437	-4.5 152.00377.2	1	203	TPAPUA NEW GUINEA: NEW BRITAIN
198509190000	18.1-102.3 8.1	10000EXTREME	202,203	TMEXICO
198509210137	17.8-101.70337.6	MODERATE	202,203	TSW. MEXICAN COAST



198509281450	41.6	22.20105.2	MODERATE	202	YUGOSLAVIA
198510110339	15.3	-90.80054.6	MODERATE	203,212	GUATEMALA
198510131600	40.3	69.80335.9	>29SEVERE	202,203,212	USSR: TAJIK SSR
198510271934	36.4	6.70105.9	6MODERATE	202	ALGERIA
198512160244	11.7	-85.80226.0	MODERATE	203	NICARAGUA
198601111942	-9.6	-77.50335.3	1MODERATE	203,202	PERU
198601291156	-4.0	103.50335.0	SEVERE	202	INDONESIA: S. SUMATRA
198604052014	-13.4	-71.70635.2	16SEVERE	202,203	PERU
198604260735	32.0	76.30335.6	3SEVERE	202	INDIA: KASHMIR
198605050336	38.0	37.80335.9	15SEVERE	202,203	TURKEY
198605072247	51.4	-174.80337.7	LIMITED	202,203	TALASKA: ALEUTIAN ISLANDS
198605130844	41.4	43.60105.6	2SEVERE	202,203	TURKEY-USSR
198606111348	10.6	-62.9 346.2	2MODERATE	202	COAST OF VENEZUELA
198606201712	31.2	86.8 336.1	0MODERATE		
198606240311	-4.4	144.91217.1		207	PAPUA NEW GUINEA
198607080920	34.0	-116.6 106.0	4.5	203	SOUTHERN CALIFORNIA: PALM SPRINGS
198607120754	29.9	52.5 335.7 0	1MODERATE	203	SOUTHERN IRAN
198607211442	37.5	-118.4 116.2	>1	203	CALIFORNIA-NEVADA BORDER
198608302128	45.6	26.31436.9	2SEVERE	203	ROMANIA/USSR
198609131725	37.0	22.2 295.9	20SEVERE	202	GREECE
* 198610101749	13.8	-89.1 55.4	1000SEVERE	202	EL SALVADOR
198610101749	13.7	-89.2 85.4	1000SEVERE	203	EL SALVADOR
198610200646	-28.1	-176.4 338.2 0	LIMITED	203	TKERMADEC ISLANDS
* 198610200646	-28.1	-176.4 338.9 0	LIMITED	207	TKERMADEC ISLANDS
* 198610200646	-28.1	-176.4 338.3	LIMITED	202	TKERMADEC ISLANDS
198611142120	24.1	121.8 337.8	15MODERATE	202,203,207	TAIWAN
198611251355	44.1	16.4 335.5 0	MODERATE	203	YUGOSLAVIA
198611300520	-5.5	-35.8 335.0	SEVERE	203	BRAZIL
198612071417	43.3	25.9 335.1 0	3SEVERE	203	BULGARIA
198612190547	-33.1	-72.1 335.0	LIMITED	203	CHILE
198612202347	30.0	51.6 335.0	MODERATE	203	IRAN
198701240809	41.5	79.3 336.0	MODERATE	203	CHINA: XINGJIANG
198701261142	35.9	1.4 334.9	1MODERATE	203	ALGERIA
198702081834	6.1	148.0 237.4	1MODERATE	206	TPAPUA NEW GUINEA
* 198702081834	-5.9	147.9 347.4 0	3MODERATE	203	TPAPUA NEW GUINEA
198703020142	-37.9	176.7 336.6	1SEVERE	203	NEW ZEALAND: NORTH ISLAND
198703050917	-24.5	-70.2 337.3	1LIMITED	202,203	CHILE: ANTOFAGASTA
198703060155	0.1	-77.7 336.1	LIMITED	202,203	ECUADOR-COLOMBIA BORDER
* 198703060411	0.1	-77.8 336.9	1000SEVERE	202,203	ECUADOR-COLOMBIA BORDER
198703180336	32.0	131.6 336.7	1LIMITED	202,203	TJAPAN: KYUSEU
198704251922	2.5	98.9 336.5	2MODERATE	203,207	INDONESIA: N. SUMATERA
198708020907	24.9	115.6 04.9	MODERATE	203	CHINA: GANZHOU-XUNWU
198708081548	-19.0	-69.9 7.0	4MODERATE	203	CHILE: ARICA
198710011442	34.0	-118.1 115.9	8358	202	SOUTHERN CALIFORNIA: WHITTIER
198710041059	34.0	-118.1 105.2	1MODERATE		SOUTHERN CALIFORNIA: WHITTIER
198710162048	-6.2	149.1 337.5	0	202	PAPUA NEW GUINEA
198711241316	33.1	-115.8 16.6	2.6		SOUTHERN CALIFORNIA
198711301923	58.9	-142.7 107.6	SLIGHT	202	TALASKA
198712170208	35.4	140.3 636.4	2SEVERE	203	JAPAN
198801032132	38.1	106.3 145.5	0SEVERE	202,203,207	LINGWU COUNTY, CHINA
198803062236	57.0	-143.0 107.6	SLIGHT	203	TGULF OF ALASKA
198803300212	30.9	50.2 335.7	MODERATE	202	IRAN
198808060036	25.1	95.1 927.2	3MODERATE	202,203	BURMA/INDIA
198808100003	-10.2	160.8 387.4	MODERATE	202	TSOLOMON ISLANDS
198808111605	30.0	51.7 336.1	1MODERATE	203	S. IRAN
198808202309	26.7	86.6 716.6	1450SEVERE	202,203	NEPAL/INDIA
198810161234	38.0	20.9 295.8	MODERATE	202,203	IONIAN SEA
198811031447	13.8	-90.6 686.2	5MODERATE	202,203	COAST OF GUATEMALA
198811061303	22.8	99.8 107.6	930269	202,203,204	BURMA-CHINA BORDER
198811061315	23.2	99.5 106.4	0see above	203	BURMA-CHINA BORDER
198811211656	37.9	-26.1 105.6	SLIGHT	202,203	AZORES ISLANDS

198812070741	41.0	44.2	106.8	2500014,200	202,203,204	ARMENIA
198901222302	38.5	68.7	335.3	274SEVERE	202,203,209	TAJAK, SSR
198903081144	1.0	126.2	325.9	MODERATE	203	MOLUCCA PASSAGE
198903102149	-13.8	34.4	306.2	9SEVERE	202,203	MALAWI
198904152034	30.0	99.2	336.2	4SEVERE	202,203	SICHUAN PROVINCE, CHINA
198905030913	29.1	51.7	336.2	SEVERE	202,2203	SW IRAN
198905070038	23.5	99.5	335.6	1MODERATE	203	BURMA-CHINA BORDER
198905231055	-52.6	160.4	108.3	0NONE	202,203,209	MACQUARIE IS.
198906260327	19.4	155.1	106.1	MODERATE	202,203	HAWAII
198908010018	-4.5	138.9	335.9	120MODERATE	202,203	INDONESIA
198909040521	-4.2	136.6	336.1	0MODERATE	203	INDONESIA
198909220226	31.9	102.6	336.2	SEVERE	203	SICHUAN PROVINCE, CHINA
198910180004	37.0	-121.8	197.1	677000	202,203	TIOMA PRIETA, CALIFORNIA
198910181457	40.1	114.0	105.3	298000houses	203	SHANXI-HEBEI, CHINA
198910291909	36.8	2.4	10	30SEVERE	203	ALGIERS, ALGERIA
198912151844	8.2	126.7	337.3	2MODERATE		
198912272327	-33.0	151.6	155.4	11SEVERE	203	NEWCASTLE, AUSTRALIA

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