



1967	MAY	01	19 48 07.1	34.46 N	112.86 W	0.00	C	74	3.8	...	...	...	...	...	...	...
1967	MAY	21	18 00 05.1	34.29 N	110.56 W	0.09	A	74	3.8	...	...	...	...	...	...	...
1967	JUL	20	13 51 10.4	36.3 N	112.1 W	0.33	C	74	...	...	3.8ML	TFO	...	...	...	...
1967	AUG	07	16 24 49.3	36.5 N	112.4 W	0.33	C	74	...	...	3.8ML	TFO	...	...	...	...
1967	AUG	07	16 40 32.1	36.4 N	112.6 W	0.33	C	74	...	...	3.9ML	TFO	...	...	...	...
1967	SEP	04	23 27 46.2	36.15 N	111.60 W	0.33	B	299	...	...	4.2MB	UBO	...	...	...	...

[illegible]

1971	MAI	01	23	19.36-26.18	113.488-113.492	005	C	74	3,700	GS
1971	MAY	03	21	31.16	35.027k, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	MAY	03	21	31.16	35.027k, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td> <td>...</td>	3,700	GS
1971	JUN	15	08	14.07	32.200, 113.488-113.492	005	C	74 <td>3,700</td> <td>GS</td> <td>...</td> <td>...</td> <td>...</</td>	3,700	GS</			

1974	MAR	04	08	03	56.0	32.5508	114.779N	004	C	299	..	..	2.7ML	PAS	..	...	...	..
1974	MAR	14	20	59	57.2	34.30	112.63 N	x	000	A	74	4.1	..	..	..	..	..	..
1974	OCT	04	18	59	58.4	34.3408	113.019N	017	C	299	..	..	3.2ML	GS	..	...	...	..
1974	DEC	20	03	01	10.4	33.86	111.88 N	..	C	47	..	..	3.0ML	GS	..	...	...	..
1974	DEC	24	05	47	20.7	33.8648	111.879N	004	C	47	..	..	3.0ML	GS	..	...	...	..

1975	FEB	16	00 19 ..	32.7 M.	114.76 W. # ..	G 247	..	..	..	..	IV	34
1975	SEP	08	22 23 24 .	32.550N.	114.329E.	005 C	299	..	..	2.90L PAS	..	..
1975	OCT	06	20 23 30 .	34.160N.	114.209E.	001 C	299	..	..	2.90L PAS	..	..
1976	FEB	04	00 28 18 .	34.463S.	112.500W.	..	..	..	..	..	..	..
<i>Notes:</i> Arizona - Seven cracks in concrete mirrors and flower pots broken, mudded well Valley, cracked cinderblock wall in China Valley. Cracks in a Safeway supermarket wall in Hillier Valley. Felt over an estimated area of 25,000 sq km												
1976	FEB	04	05 00 ..	34.6 N.	112.3 W. # ..	F 343	..	..	..	..	IVA	34
1976	FEB	04	09 15 ..	34.6 N.	112.3 W. # ..	F 343	..	..	..	..	IVA	34
1976	FEB	04	12 30 ..	34.6 N.	112.3 W. # ..	F 343	..	..	..	..	IVA	34

1976	FEB	05	21:02	40.5	34:703N, 112:05W	010	B	74	...	2.98M	GS	...	...
1976	FEB	05	21:02	40.5	34:703N, 112:05W	010	B	74	...	2.98M	GS	...	...
1976	FEB	07	08:29	38.9	...	050	C	299	...	2.99M	GS	...	...
1976	FEB	07	13:37	16	34:71 N, 112:05 W	009	B	343	...	2.88M	GS	...	...
1976	FEB	07	13:37	16	34:71 N, 112:05 W	009	B	343	...	2.88M	GS	...	...
1976	FEB	09	03:27	22.0	34:614N, 112:336E	010	B	74	...	3.30M	GS	...	...
1976	FEB	09	03:27	22.0	34:614N, 112:336E	010	B	74	...	3.30M	GS	...	...
1976	FEB	09	03:27	22.0	34:614N, 112:336E	010	B	74	...	3.30M	GS	...	...
1976	FEB	13	14:09	54.4	34:679N, 112:032E	010	B	74	...	3.58M	GS	...	...
1976	FEB	23	14:09	54.4	34:679N, 112:032E	010	B	74	...	3.58M	GS	...	...
Western Airline, Cracked Skipped 1000187.													
1976	FEB	25	19:00	25.0	35:111N, 113:380E	00	C	76	...	3.08M	GS	...	...
1976	APR	19	23:55	57.0	35:39 N, 109:10 W	1005	C	49	...	3.58M	GS	...	V
1976	APR	19	23:55	57.0	35:39 N, 109:10 W	1005	C	49	...	3.58M	GS	...	V
1976	MAY	04	04:00	...	32:27 N, 109:00 W	000	C	363	...	3.58M	GS	...	...
1976	MAY	04	04:00	...	32:27 N, 109:00 W	000	C	363	...	3.58M	GS	...	...
1976	MAY	04	04:00	...	32:27 N, 109:00 W	000	C	363	...	3.58M	GS	...	...

[illegible][illegible]

1977	DEC	05	20 24 33.	36.505N, 110.460W,	x 000	C 299	.	.	.	.	.	.	.	.	.
1978	FEB	03	21 29 19.9	36.63 N, 110.40 W,	x 000	C 260	.	.	.	.	.	.	.	.	.
1978	FEB	18	06 53 12.1	36.629N, 110.450W,	x 033	C 299	.	.	.	.	.	.	.	.	.
1978	APR	18	05 01 47.2	36.403N, 110.467W,	x 033	C 299	.	.	.	.	.	.	.	.	.
1978	APR	29	04 55 36.3	36.487N, 110.496W,	x 004	C 299	.	.	.	.	.	.	.	.	.

1978	APR	30	16	21	27.		96.2488,	110.461n,	x 033	C	299	*	**	*	*	* ** *	*	*	*
1978	MAY	16	21	24	43.7		36.253H,	110.453W,	x 000	C	299	*	*	*	*	*	*	*	*
1978	MAY	17	18	06	02.0		36.259,	110.29 W,	x 000	C	260	*	*	*	*	*	*	*	*
1978	MAY	23	12	12	39.1		36.259,	110.29 W,	x 000	C	260	*	*	*	*	*	*	*	*
1978	JUN	26	03	55	34.8		96.43 n,	110.45 w,	x 000	C	260	*	*	*	*	*	*	*	*
1978	JUN	22	23	32	29.1		36.267N,	110.505W,	x 000	C	299	*	*	*	*	*	*	*	*

[illegible]

1979	NOV	16	02 20 16.3	36.3798,	109.8666,	033	C	299	.. ..	... ..	... ..	...
1979	NOV	29	13 56 13.5	35.43 N,	111.82 E,	* 005	C	280	.. ..	... ..	... ..	IY
1979	DIC	11	20 30 "	33.7 E,	111.1 E,	A 362	B	300	.. ..	... ..	... ..	1
1980	JUN	01	08 40 27.5	35.3918,	111.9864,	005	B	300	.. ..	3.6ML	G8	W
1980	SEP	15	22 38 22.2	33.59 N,	111.25 NE,	F 000	B	900	.. ..	... ..	... ..	V

[illegible]

3. Neumann, Frank, and Bodle, K. R., 1932, United States Earthquakes 1930: U. S. Coast

	and Geodetic Survey, Serial No. 539, 25 p.	
4.	Neumann, Frank, 1932, United States Earthquakes 1931: Survey, Serial No. 553, 26 p.	U. S. Coast and Geodetic
5.	Neumann, Frank, 1934, United States Earthquakes 1932: Survey, Serial No. 563, 21 p.	U. S. Coast and Geodetic
6.	Neumann, Frank 1935, United States Earthquakes 1933: Survey, Serial No. 563, 21 p.	U. S. Coast and Geodetic

7. Neumann, Frank, 1936, United States Earthquakes 1934: Survey, Serial No. 579, 82 p.	U. S. Coast and Geodetic
8. Neumann, Frank, 1937, United States Earthquakes 1935: Survey, Serial No. 593, 99 p.	U. S. Coast and Geodetic

9. Neumann, Frank, 1938, United States Earthquakes 1936: U. S. Coast and Geodetic Survey, Serial NO. 610, 45 p.
10. Neumann, Frank, 1940, United States Earthquakes 1937: U. S. Coast and Geodetic Survey, Serial NO. 619, 55 p.
12. Bodle, R. R., 1941, United States Earthquakes 1939: U. S. Coast and Geodetic Survey, Serial No. 637, 69 p.

13. Neumann, Frank, 1942, United States Earthquakes 1940: U. S. Coast and Geodetic Survey, Serial No. 647, 74 p.
14. Neumann, Frank, 1943, United States Earthquakes 1941: U. S. Coast and Geodetic Survey, Serial No. 655, 41 p.
15. Bodle, R. R., 1944, United States Earthquakes 1942: U. S. Coast and Geodetic Survey, Serial No. 656, 41 p.

16. *Zodile, R. R., 1945, United States Earthquakes 1943: U. S. Coast and Geodetic Survey, Serial No. 662, 44 p.*

17. *Zodile, R. R., 1946, United States Earthquakes 1944: U. S. Coast and Geodetic Survey, Serial No. 672, 47 p.*

18. *Zodile, R. R., and Murphree, L. M., 1948, United States Earthquakes 1946: U. S. Coast and Geodetic Survey, Serial No. 682, 43 p.*

21. Murphy, L. M., and Ulrich, F. F., 1951, United States Earthquakes 1948: U. S. Coast and Geodetic Survey, Serial No. 746, 50 p.

23. Murphy, L. M., and Ulrich, F. P., 1952, United States Earthquakes 1901: U. S. Coast and Geodetic Survey, Serial No. 755, 47 p.
24. Murphy, L. M., and Cloud, W. K., 1953, United States Earthquakes 1951: U. S. Coast and Geodetic Survey, Serial No. 762, 50 p.
25. Murphy, L. M., and Cloud, W. K., 1954, United States Earthquakes 1952: U. S. Coast and Geodetic Survey, Serial No. 773, 112 p.

26. Murphy, L. M., and Cloud, W. K., 1955, United States Earthquakes 1953: U. S. Coast and Geodetic Survey, Serial No. 785, 51 p.
31. Brazee, R. J., and Cloud, W. K., 1960, United States Earthquakes 1958: U. S. Coast and Geodetic Survey, 76 p.
32. Eppley, R. A., and Cloud, W. K., 1961, United States Earthquakes 1959: U. S. Coast and Geodetic Survey, 115 p.

35. Lander, J. F., and Cloud, W. K., 1964, *United States Earthquakes 1962: U. S. Coast and Geodetic Survey*, 114 p.
36. Cloud, W. K., and von Hake, C. A., 1965, *United States Earthquakes 1965: U. S. Coast and Geodetic Survey*, 69 p.
38. Coffman, J. L., von Hake, C. A., and Stover, C. W., 1982, *Earthquake history of the*

United States: U. S. National Oceanic and Atmospheric Administration and U. S. Geological Survey, No. 41-1 (through 1980), 258 p.

39. Coffman, J. L., and Stover, C. W., 1979, United States Earthquakes 1977: U. S. National Oceanic and Atmospheric Administration and U. S. Geological Survey, 81 p.

43. Coffman, J. L., and von Hake, C. A., 1972, United States Earthquakes 1970: U. S. National Oceanic and Atmospheric Administration, 81 p.

44. Coffman, J. L., and von Hake, C. A., 1973, United States Earthquakes 1971: U. S. National Oceanic and Atmospheric Administration, 174 p.
46. Coffman, J. L., von Hake, C. A., Spence, W., Carver, D. L., Covington, P. A., Dumphy, G. J., Irby, W. L., Pearson, W. J., and Stover, C. W., 1975, United States Earthquakes 1973: U. S. National Oceanic and Atmospheric Administration and U. S.

49. Coffman, J. L., and Stover, C. W., 1978, United States earthquakes 1976: U. S. National Oceanic and Atmospheric Administration and U. S. Geological Survey, 135 p.

54. Glemons, D., Jones, A. F., and Gissett, J. I., 1965, Catalog of Nevada earthquakes, 1852-1960: Seismological Society of America Bulletin, v. 55, no. 2, p. 519-565.

56. Twiney, S. D., and Allen, M. W., 1939, Descriptive catalog of earthquakes of the Pacific coast of the United States, 1769 to 1928: Seismological Society of

58. Reid, H. F., Unpublished earthquake catalog, includes card index, newspaper clippings, personal letters, John Hopkins University, Baltimore, Md.
59. U. S. Coast and Geodetic Survey, Abstracts of earthquake reports for the United States, 1967 through 1974.
60. U. S. Geological Survey, Preliminary Determination of Epicenters and associated

75. von Hake, C. A., and Cloud, W. K., 1967, United States Earthquakes 1965: U. S. Coast and Geodetic Survey, 91 p.

259. U. S. Coast and Geodetic Survey, *Abstracts of Tidal Observations at the Coast and the Western Mountain Region*, January 1, 1934 to December 31, 1966, U. S. Department of Commerce.

260. Stover, C.W., U. S. Geological Survey, unpub. data.

262. Stover, C. W., and von Hake, C. A., 1981, United States Earthquakes 1979: U. S. Geological Survey and U. S. National Oceanic and Atmospheric Administration,

265. International Seismological Summary, 1918-1963.
266. U. S. Coast and Geodetic Survey, Seismological Bulletin MSI 1 through MSI 316, January 1934 through May 1967.
272. Humphreys, W. J., Seismological Reports for October 1914 to June 1924: U. S. Weather Bureau, Monthly Weather Review, Section V-Seismology.

292. Hileman, J. A., Allen, C. R., and Nordquist, J. M., 1973, Seismicity of the Southern California region, 1 January 1972 to 31 December 1972: California Institute of Technology, Pasadena, 395 p.
293. Seismological Society of America, 1937, Seismological Notes, Seismological Society of America Bulletin, v. 27, no. 3, p. 255-257.

294. Seismological Society of America, 1951, Seismological notes, Seismological Society of America Bulletin, v. 61, no. 3, p. 243-254.
298. Arabasz, W. J., Smith, R. H., and Richins, W. B., 1979, Earthquake studies in Utah 1850 to 1978: University of Utah, Department of Geology and Geophysics, 552 p.
299. Bulletin of the International Seismological Centre, 1964 to present.
300. Groux, C. M., and von Bakke, C. A., 1982, United States earthquakes 1980: U. S.

315. Jones, A. E., 1975, Recording of earthquakes at Reno, 1916-1951: Reno, University of Nevada, Mackay School of Mines-Nevada Bureau of Mines, Seismological Laboratory Bulletin, 199 p.

325. Callaghan, Eugene, and Ciannelli, V. P., 1955, *The earthquake of San Andres*, Excelsior Mountains, Nevada: Seismological Society of America Bulletin, v. 25, no. 2, p. 161-168.

343. Dujovic, S. M., Smith A. W., Nye, N. K., and Nowak, T. A. Jr., 1982, Arizona earthquakes, 1776-1980: Tucson, University of Arizona, Bureau of Geology and Mineral Technology, State of Arizona, Bulletin 193, 456 p.

347. Bureau of Matamations, 1976, Record of earthquakes in the Yuma area, Yuma County, Arizona, Imperial County, California, 1776-1976: U. S. Department of the Interior, Special Report, 183 p.

348. Brumbaugh, D. S., 1984, A report on the Flagstaff, Arizona, earthquake of 6 December 1981: Seismological Society of America Bulletin, v. 74, no. 5, p. 2041-2044.

349. Brumbaugh, D. S., 1985, The 1981-82 earthquakes, pp. 11-5, Geological Survey

350. Stover, C. W., 1985, United States earthquakes, 1962. U. S. Geological Survey Bulletin 1655, 142 p.

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—19

For sale by Branch of Distribution, U.S. Geological Survey
Box 25286, Federal Center, Denver, CO 80225