UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS MONTHLY LISTING

JANUARY - MARCH 1991

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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1991

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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National Earthquake Information Center

JANUARY 1991

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
a	01	00	06	31.4	18.068 N	105.847 W	35	5.5	6.2	1.2	145	OFF COAST OF JALISCO, MEXICO. Ms 6.6 (BRK). Mo=6.0•10••18 Nm (PPT).
	01	00	11	13.6	35.295 N	27.813 E	42 •	4.9		1.1	26	DODECANESE ISLANDS. MD 4.1 (ATH).
	01	02	03	03.9?	10.18 S	78.27 W	33 N	4.2		0.7	6	NEAR COAST OF PERU
	01	02	19	37.2	18.355 N	105.788 W	33 N	5.0	4.5	1.1	83	OFF COAST OF JALISCO, MEXICO
	01	03	03	05.5•	19.177 S	133.740 E	10 G			1.2	10	NORTHERN TERRITORY, AUSTRALIA
o	01	03	19	35.2	17.951 N	105.852 W	36 D	5.3	5.6	1.2	120	OFF COAST OF JALISCO, MEXICO. Ms 5.9 (BRK). 5 4 (PAS). Mo=1.3•10••18 Nm (PPT).
	01	03	51	06.2%	43.243 N	18.992 E	10 G			0.4	9	YUGOSLAVIA. MD 4.0 (TTG). Felt (V) in northern Montenegro and (III) at Titograd.
	01	04	18	08.6%	40.446 N	23.528 E	10 G			0.7	7	GREECE
	01	04	50	15.6?	29.45 N	139.40 E	402 ?	4.4		0.5	11	SOUTH OF HONSHU, JAPAN
	01	05	09	09.4	7.492 S	156.243 E	41 D	4.9	4.5	1.1	35	SOLOMON ISLANDS
	01	05	53	45.8	44.108 N	19.307 E	13			1.2	27	YUGOSLAVIA. ML 2.8 (TTG).
	01	07	29	04.1	47.830 N	7.627 E	10 G			0.4	10	SWITZERLAND. ML 2.6 (LDG).
	01	07	30	33.2	40.995 N	22.508 E	10 G			1.0	11	GREECE
	01	08	25	28.8?	38.45 N	21.90 E	10 G			0.4	4	GREECE. MD 2.8 (ATH).
	01	08	27	30.5	28.694 S	69.305 W	121 •	4.9		1.0	64	CHILE-ARGENTINA BORDER REGION
	01	09	26	34.9	38.407 N	22.205 E	10 G			1.3	12	GREECE. ML 2.8 (ATH).
	01	10	28	55.1&	38.765 N	119.608 W	12				13	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	01	10	42	52.2	22.604 N	144.626 E	25 D	5.2	4.4	1.1	94	VOLCANO ISLANDS REGION
	01	11	15	00.5•	15.345 S	172.374 W	33 N	4.9		1.1	47	SAMOA ISLANDS REGION
	01	12	01	29.9%	42.931 N	19.160 E	10 G			0.6	5	YUGOSLAVIA. ML 2.0 (TTG).
	01	12	06	29.7•	36.410 N	141.327 E	58 •	5.1	4.0	1.0	24	NEAR EAST COAST OF HONSHU, JAPAN
	01	12	14	23.9•	0.944 N	126.256 E	78 •	4.4		0.5	12	MOLUCCA PASSAGE
	01	14	03	37.3%	39.364 N	15.375 E	28 •			1.1	6	SOUTHERN ITALY
	01	14	25	48.3%	42.929 N	19.145 E	10 G			0.7	8	YUGOSLAVIA. ML 2.2 (TTG).
	01	14	40	36.3•	16.716 S	177.144 E	33 N	4.4		1.4	13	FIJI ISLANDS. ML 4.1 (SVA).
o	01	15	50	14.6	55.167 N	158.388 W	33 N	5.2	5.0	1.1	229	ALASKA PENINSULA. ML 5.0 (PMR). Ms 5.0 (BRK). Felt (IV) at Perryville and (III) at Chignik, Chignik Lagoon and Sand Point.
	01	16	31	26.0•	37.135 N	29.647 E	10 G			1.5	6	TURKEY
	01	16	42	27.2?	16.83 S	69.28 W	188	4.4		1.0	10	PERU-BOLIVIA BORDER REGION
a	01	17	28	02.4	21.208 S	174.149 W	29 D	5.7	5.6	1.2	167	TONGA ISLANDS. Ms 5.7 (BRK). Mo=2.0•10••18 Nm (PPT).
	01	17	43	43.9	41.105 N	22.447 E	10 G			0.6	10	YUGOSLAVIA. ML 2.1 (SKO).
	01	19	18	28.4?	41.29 N	22.17 E	10 G			0.5	7	YUGOSLAVIA. ML 1.9 (SKO).
	01	19	18	56.4	39.822 N	48.439 E	61 D	4.9		1.2	136	N.W. IRAN-USSR BORDER REGION. Felt (V) in the Imishli area; (IV) at Zardab and Sabirabad; (III) at Baku, Shemakha, Sheki and Dzhebroil, USSR. Felt in the Bileh Savar-Parsabad-Garmi-Aslanduz area, Iran.
	01	19	28	50.8?	47.86 N	7.65 E	10 G			0.3	4	SWITZERLAND. ML 2.2 (LDG).
	01	19	55	22.0	41.077 N	22.396 E	10 G			0.5	9	YUGOSLAVIA. ML 1.8 (SKO).
	01	20	13	44.9	39.816 N	28.669 E	10 G			0.6	9	TURKEY. MD 2.8 (ISK).
	01	20	40	21.5	5.030 N	94.376 E	66 •	4.6		1.0	29	NORTHERN SUMATERA
	01	20	40	53.6•	20.320 S	177.416 W	487 ?	5.1		1.5	25	FIJI ISLANDS REGION
	01	21	37	02.2•	3.199 S	38.178 E	10 G	4.2		0.4	5	KENYA
	01	22	11	31.0&	60.606 N	151.933 W	97	3.0			47	KENAI PENINSULA, ALASKA. <AEIC>.
	01	23	19	20.0?	4.42 N	76.42 W	97 ?			0.4	8	COLOMBIA. MD 3.5 (UVC).
	01	23	21	03.5%	3.588 N	76.354 W	10 G			0.3	5	COLOMBIA. MD 2.6 (UVC).
	01	23	57	01.7•	36.736 N	71.402 E	33 N	4.2		1.0	13	AFGHANISTAN-USSR BORDER REGION
	02	00	13	56.6	43.129 N	28.546 E	10 G			0.9	19	BLACK SEA
	02	01	08	18.2	39.915 N	20.492 E	10 G			1.1	10	GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH).
	02	01	27	05.3%	4.278 N	76.205 W	33 N			0.3	6	COLOMBIA. MD 3.1 (UVC).
	02	01	34	00.9?	55.86 N	161.37 E	33 N	4.5		0.8	8	NEAR EAST COAST OF KAMCHATKA
	02	01	42	30.7?	2.89 N	74.86 W	33 N			0.6	9	COLOMBIA. MD 3.7 (UVC).
	02	01	48	59.2?	21.76 S	68.91 W	33 N			0.6	6	CHILE-BOLIVIA BORDER REGION
	02	02	48	12.9?	52.87 N	161.02 E	33 N	4.5		0.8	12	OFF EAST COAST OF KAMCHATKA
	02	02	58	49.7	38.152 N	99.961 E	13 •	5.1	4.2	1.5	67	QINGHAI PROVINCE, CHINA

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	02	03 50 00.3•	11.425	S	166.588	E	33	N	5.0		1.0	11	SANTA CRUZ ISLANDS
	02	04 54 41.5?	18.23	S	70.14	W	115	?			1.2	7	NEAR COAST OF NORTHERN CHILE
	02	05 31 43.2&	37.475	N	118.840	W	2					11	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK).
	02	05 37 43.8	13.814	N	92.591	W	59	•	4.8	3.7	1.1	32	OFF COAST OF CHIAPAS, MEXICO
	02	07 07 21.7•	43.262	N	20.881	E	10	G			1.5	13	YUGOSLAVIA. ML 2.4 (TTG).
	02	07 17 19.2?	38.24	N	20.83	E	5	G			0.6	12	GREECE. MD 3.8 (THE).
	02	08 30 32.0?	6.19	N	74.21	W	10	G			0.8	8	NORTHERN COLOMBIA
	02	08 37 10.9?	48.34	N	154.72	E	33	N	4.4		1.2	12	KURIL ISLANDS
	02	09 35 48.6%	40.255	N	28.876	E	10	G			1.0	6	TURKEY. MD 2.7 (ISK).
	02	10 16 28.0&	58.690	N	136.585	W	9					8	SOUTHEASTERN ALASKA. <AEIC>.
	02	12 07 46.9&	39.207	N	119.728	W	7					17	NEVADA. <REN>. MD 3.2 (REN). ML 3.5 (BRK). Felt in the Carson City area.
	02	12 16 16.7%	40.985	N	22.362	E	10	G			1.0	5	GREECE
	02	12 16 48.1&	39.203	N	119.723	W	2					4	NEVADA. <REN>. MD 2.3 (REN). Felt in the Carson City area.
	02	12 26 37.7&	39.212	N	119.734	W	8					16	NEVADA. <REN>. MD 3.0 (REN). ML 3.4 (BRK). Felt in the Carson City area.
	02	12 46 40.4&	39.211	N	119.738	W	6					16	NEVADA. <REN>. MD 2.8 (REN). ML 3.4 (BRK). Felt in the Carson City area.
	02	12 51 30.1•	43.310	N	6.307	E	10	G			0.4	7	NEAR SOUTH COAST OF FRANCE. MD 2.8 (STR).
	02	12 59 48.5?	41.47	N	22.97	E	10	G			0.3	5	YUGOSLAVIA
	02	14 02 13.5•	40.177	N	27.912	E	10	G			0.4	6	TURKEY. MD 2.8 (ISK).
	02	14 04 30.1	41.118	N	22.389	E	10	G			0.4	10	YUGOSLAVIA
	02	14 38 00.7?	4.23	N	77.01	W	33	N			0.4	6	NEAR WEST COAST OF COLOMBIA. MD 3.1 (UVC).
	02	15 16 51.3•	22.662	S	66.072	W	10	G			1.0	6	JUJUY PROVINCE, ARGENTINA
	02	15 48 50.2?	39.79	N	28.97	E	10	G			0.4	4	TURKEY. MD 2.7 (ISK).
	02	16 29 43.4&	39.207	N	119.732	W	3					21	NEVADA. <REN>. MD 3.4 (REN). ML 3.8 (BRK). Felt (V) at Carson City; (IV) at Silver City and Virginia City; (III) at Zephyr Cove.
	02	16 58 11.8	19.731	S	70.703	W	46	•	5.0		1.3	32	NEAR COAST OF NORTHERN CHILE
	02	16 59 13.0&	61.583	N	150.015	W	41					30	SOUTHERN ALASKA. <AEIC>.
	02	17 21 07.2%	4.233	N	75.808	W	10	G			0.8	9	COLOMBIA. MD 4.2 (UVC).
	02	18 30 25.6?	33.80	S	179.45	W	33	N	4.7	4.3	1.1	10	SOUTH OF KERMADEC ISLANDS
	02	18 48 51.7	46.069	N	3.066	E	10	G			0.7	13	FRANCE. ML 2.2 (LDG). MD 1.9 (STR).
	02	19 49 13.1?	4.04	N	76.34	W	110	G			0.2	7	COLOMBIA. MD 2.8 (UVC).
	02	20 29 01.5%	45.404	N	1.139	W	10	G			1.0	8	FRANCE. ML 3.0 (LDG).
	02	21 02 44.4?	2.63	N	79.58	W	33	N			0.8	7	SOUTH OF PANAMA. MD 2.1 (UVC).
	02	21 17 39.0?	3.84	N	75.95	W	10	G			0.4	4	COLOMBIA. MD 2.7 (UVC).
	02	22 19 23.3•	62.269	N	26.553	W	10	G	4.9	4.1	1.2	15	ICELAND REGION
	02	23 16 35.5&	39.212	N	119.733	W	6		4.4			42	NEVADA. <REN>. MD 4.6 (REN). ML 4.7 (BRK). Slight damage (V) at Carson City. Felt (V) at Dayton and Virginia City; (IV) at Genoa, Reno and Silver City; (III) at Crystal Bay, Incline Village, Verdi and Yerington. Also felt (IV) at Georgetown, Homewood, Kings Beach, Tahoe Valley and Tahoma, California; (III) at Arnold, Avery, Carnelian Bay, Glencoe and Pinecrest, California.
	02	23 16 40.1?	39.24	N	23.59	E	10	G			0.0	4	AEGEAN SEA. ML 2.8 (ATH).
	02	23 19 00.0	23.700	N	121.355	E	10	G	3.6		1.4	14	TAIWAN
	02	23 23 55.1	37.003	N	4.037	W	10	G			1.4	10	SPAIN. mbLg 2.4 (MDD).
	02	23 44 34.3&	39.216	N	119.724	W	10					17	NEVADA. <REN>. MD 3.1 (REN). ML 3.5 (BRK). Felt in the Carson City area.
	03	00 03 51.9	7.194	S	148.618	E	38	•	5.4	4.5	1.2	122	EAST PAPUA NEW GUINEA REGION. ML 5.3 (PMG).
	03	00 04 38.8	41.056	N	22.438	E	10	G			0.5	7	YUGOSLAVIA. ML 1.3 (SKO).
a	03	00 40 10.8	7.225	S	148.585	E	40	D	5.7	5.2	1.1	164	EAST PAPUA NEW GUINEA REGION
	03	00 41 00.1&	60.012	N	149.361	W	12					47	KENAI PENINSULA, ALASKA. <AEIC>.
	03	00 46 57.6	7.184	S	148.659	E	54	•	5.3		0.9	31	EAST PAPUA NEW GUINEA REGION
	03	00 58 02.6&	64.446	N	153.357	W	24					26	CENTRAL ALASKA. <AEIC>. ML 3.5 (PMR).
	03	01 11 57.9•	27.510	S	71.159	W	33	N	4.7		1.3	14	NEAR COAST OF NORTHERN CHILE
a	03	01 41 25.7	29.562	S	111.805	W	10	G	5.4	5.8	0.9	71	EASTER ISLAND REGION. Ms 6.2 (BRK). Mo=2.0•10••18 Nm (PPT).
	03	01 52 47.1?	28.73	S	111.04	W	10	G	4.9		1.2	22	EASTER ISLAND REGION
	03	02 08 51.9&	39.222	N	119.741	W	7					23	NEVADA. <REN>. MD 4.0 (REN). ML 4.0 (BRK). Felt in the Carson City area. Also felt in Alpine County, California.
	03	02 21 59.2&	39.218	N	119.731	W	7					8	NEVADA. <REN>. MD 2.6 (REN). Felt in the Carson City area.
	03	02 39 10.8%	3.915	N	76.056	W	33	N			0.7	5	COLOMBIA. MD 2.6 (UVC).
	03	03 45 41.1•	37.918	N	20.687	E	10	G			0.6	5	IONIAN SEA. MD 3.2 (ATH).
	03	04 06 23.2%	39.520	N	28.836	E	10	G			0.9	8	TURKEY. MD 3.0 (ISK).
	03	05 13 44.9?	4.22	N	76.85	W	33	N			1.0	6	COLOMBIA. MD 2.4 (UVC).
	03	05 25 28.9•	62.139	N	26.781	W	10	G	4.5	4.0	1.4	17	ICELAND REGION
	03	05 27 47.6•	6.665	N	76.347	W	33	N			0.4	8	NORTHERN COLOMBIA. MD 4.7 (UVC).
	03	06 02 24.5	14.844	S	168.022	E	41		5.1		0.9	75	VANUATU ISLANDS
	03	06 52 25.9&	58.999	N	153.237	W	76					36	KODIAK ISLAND REGION. <AEIC>.
	03	07 05 32.8•	24.670	N	95.553	E	33	N	4.8		0.4	6	BURMA
	03	07 09 58.9%	40.863	N	27.615	E	10	G			0.8	7	TURKEY. MD 2.9 (ISK).
	03	07 17 19.9	38.292	N	20.752	E	10	G	3.7	3.8	1.2	71	GREECE. ML 3.7 (ATH). MD 3.8 (THE), 3.8 (TTG).
	03	07 53 19.1%	37.072	N	4.521	W	10	G			1.3	8	SPAIN. mbLg 2.5 (MDD).
	03	08 14 07.7	41.120	N	22.401	E	10	G			1.0	13	YUGOSLAVIA. MD 3.1 (ATH), 2.9 (THE).
	03	08 18 16.3•	7.008	S	129.605	E	134	?	4.8		0.8	12	BANDA SEA
	03	08 23 19.5	62.183	N	26.658	W	10	G	4.6	4.1	1.3	38	ICELAND REGION
	03	09 13 32.8	44.349	N	6.737	E	10	G			0.5	15	FRANCE. ML 2.3 (LDG).
	03	09 14 38.2	40.733	N	23.327	E	10	G			0.6	11	GREECE. MD 2.7 (ATH).
	03	09 16 00.7	15.585	S	167.550	E	130		5.0		1.1	61	VANUATU ISLANDS
	03	09 31 49.6	36.813	N	28.083	E	10	G			0.9	9	DODECANESE ISLANDS. MD 3.8 (ATH).
	03	09 40 57.1	20.171	S	133.827	E	5	G	4.3		1.4	22	NORTHERN TERRITORY, AUSTRALIA
	03	09 56 05.7?	4.21	S	79.70	W	10	G	4.3		0.8	7	PERU-ECUADOR BORDER REGION
	03	11 31 30.0?	4.61	N	76.93	W	33	N			0.2	6	COLOMBIA. MD 3.1 (UVC).
	03	13 16 40.5•	38.086	N	20.215	E	10	G			1.3	15	GREECE. ML 3.4 (ATH).
f	03	13 18 49.2	7.179	S	148.540	E	14	G	6.0	6.0	1.0	319	EAST PAPUA NEW GUINEA REGION. Ms 6.2 (BRK), 6.0 (PAS). ML 5.8 (PMG). Mo=3.0•10••18 Nm (PPT). Depth from broadband displacement seismograms.

	03	13	29	19.2	7.171	S	148.441	E	39	D	5.7	1.1	102	EAST PAPUA NEW GUINEA REGION
	03	14	04	57.4	20.185	S	133.674	E	10	G	4.8	0.9	23	NORTHERN TERRITORY, AUSTRALIA
	03	14	20	56.4	21.175	S	177.209	W	295		5.0	1.1	99	FIJI ISLANDS REGION
	03	15	08	48.0&	57.312	N	147.512	W	10	G			61	GULF OF ALASKA. <AEIC>.
	03	15	10	44.5	7.201	S	148.681	E	41	D	5.1 4.9	0.9	32	EAST PAPUA NEW GUINEA REGION
	03	15	18	21.5	7.281	S	148.556	E	68	*	4.5	0.7	26	EAST PAPUA NEW GUINEA REGION
a	03	15	18	44.9	7.324	S	148.578	E	25	D	5.7 5.0	1.0	162	EAST PAPUA NEW GUINEA REGION
	03	16	15	57.9?	43.29	N	5.69	E	10	G		0.2	6	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	03	16	48	25.9%	43.095	N	0.572	W	10	G		0.5	6	PYRENEES. MD 1.0 (STR).
	03	16	51	11.6&	60.619	N	149.366	W	19				39	KENAI PENINSULA, ALASKA. <AEIC>.
	03	17	12	47.1%	40.251	N	27.951	E	10	G		0.1	5	TURKEY. MD 2.6 (ISK).
	03	17	24	24.4	39.586	N	23.840	E	23			1.1	35	AEGEAN SEA. ML 3.1 (ATH). MD 3.5 (THE).
	03	17	47	01.1%	3.732	N	76.917	W	33	N		0.3	8	COLOMBIA. MD 2.8 (UVC).
	03	18	01	18.3*	7.145	S	148.562	E	38	?	5.1	0.9	17	EAST PAPUA NEW GUINEA REGION. ML 4.4 (PMG).
	03	18	36	57.6	33.491	N	132.308	E	63		5.0	1.3	56	SHIKOKU, JAPAN
	03	18	53	49.8	45.687	N	3.628	E	10	G		0.6	14	FRANCE. ML 2.7 (LDG).
	03	19	04	31.6*	39.743	N	20.837	E	10	G		1.3	5	GREECE-ALBANIA BORDER REGION. ML 2.3 (ATH).
	03	19	29	45.6	7.190	S	148.521	E	38	*	5.2 4.6	1.2	65	EAST PAPUA NEW GUINEA REGION. ML 5.2 (PMG).
	03	19	33	55.7*	0.642	N	29.455	W	10	G	5.0 4.4	1.3	45	CENTRAL MID-ATLANTIC RIDGE
	03	20	12	36.4?	4.65	N	76.06	W	110	G		0.6	9	COLOMBIA. MD 3.8 (UVC).
	03	20	15	51.8&	38.802	N	122.810	W	6				19	NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=8.5*10**14 Nm (BRK).
	03	20	38	31.0*	30.584	S	71.993	W	60	?	3.9	1.5	14	NEAR COAST OF CENTRAL CHILE
a	03	20	38	37.9	1.973	N	126.731	E	84	*	5.2	1.3	66	MOLUCCA PASSAGE
	03	22	13	35.7*	1.922	N	126.787	E	102	*	4.8	0.9	18	MOLUCCA PASSAGE
	03	23	03	23.0%	16.371	N	61.188	W	33	N		0.1	5	LEEWARD ISLANDS. ML 2.8 (FDF).
	03	23	51	12.9*	38.348	N	22.059	E	10	G		0.4	5	GREECE. ML 2.6 (ATH).
	04	00	44	41.0	1.132	N	123.614	E	34	D	4.8 3.6	1.0	20	MINAHASSA PENINSULA
	04	01	35	48.9%	38.383	N	23.731	E	10	G		0.9	5	GREECE. MD 2.7 (ATH).
	04	02	13	54.5	38.367	N	22.267	E	10	G		1.1	8	GREECE. ML 2.7 (ATH).
	04	02	46	01.6*	27.377	S	71.296	W	33	N	4.2	1.0	11	NEAR COAST OF NORTHERN CHILE
	04	03	02	55.7*	44.969	N	138.339	E	33	N	4.5	1.3	11	EASTERN SEA OF JAPAN
	04	03	08	19.7	39.497	N	28.266	E	33	N		1.0	14	TURKEY. MD 3.2 (ISK).
	04	04	11	19.6%	38.390	N	23.902	E	10	G		0.9	6	GREECE. ML 2.6 (ATH).
	04	04	21	55.1	41.105	N	22.426	E	10	G		0.5	10	YUGOSLAVIA. ML 2.0 (SKO).
	04	04	31	44.5	41.119	N	22.490	E	10	G		0.9	6	YUGOSLAVIA. ML 1.5 (SKO).
	04	04	47	41.4?	15.86	N	60.96	W	33	N		0.1	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	04	04	51	46.2%	38.365	N	23.766	E	10	G		0.3	6	GREECE. ML 2.5 (ATH).
	04	05	17	14.2?	51.53	N	16.33	E	10	G		0.7	5	POLAND. ML 3.1 (VKA).
	04	05	40	59.4&	59.706	N	152.983	W	101				43	SOUTHERN ALASKA. <AEIC>.
	04	05	43	31.3%	46.801	N	2.389	W	10	G		0.5	18	BAY OF BISCAY. ML 3.1 (LDG).
	04	05	58	32.5?	44.44	N	147.97	E	114	?	4.3	1.3	14	KURIL ISLANDS
	04	06	07	09.4%	46.489	N	2.943	E	10	G		0.3	8	FRANCE. ML 2.2 (LDG).
	04	06	14	08.1*	43.737	N	16.632	E	10	G		1.8	5	YUGOSLAVIA ML 2.8 (ZAG).
	04	06	56	26.7*	49.597	S	117.340	E	10	G	5.3 5.0	1.2	41	SOUTH OF AUSTRALIA
	04	06	56	38.7*	45.667	N	26.605	E	121	?		1.2	18	ROMANIA
	04	07	01	08.9*	7.896	N	126.563	E	95	*	4.7	1.2	33	MINDANAO, PHILIPPINE ISLANDS
	04	07	02	06.2?	0.23	S	127.35	E	33	N	4.5	1.3	9	HALMAHERA
	04	07	11	27.4*	2.997	N	79.158	W	33	N		0.5	11	SOUTH OF PANAMA. MD 4.7 (UVC).
	04	07	44	59.4&	34.050	N	117.267	W	6	G			3	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	04	08	13	49.4	39.932	N	30.194	E	19			0.8	32	TURKEY. MD 4.0 (ATH), 3.8 (ISK).
	04	10	11	46.4?	39.09	N	27.66	E	10	G		0.3	4	TURKEY. MD 2.6 (ISK).
	04	10	54	15.3%	39.101	N	27.612	E	10	G		0.3	5	TURKEY. MD 2.7 (ISK).
	04	11	07	20.1?	48.34	N	1.32	W	10	G		0.1	4	FRANCE. ML 2.0 (LDG).
	04	11	14	24.1?	21.01	S	178.51	W	539	?	4.6	1.0	23	FIJI ISLANDS REGION
	04	12	29	34.8%	4.171	N	76.130	W	33	N		0.7	9	COLOMBIA. MD 3.4 (UVC).
	04	12	55	18.3*	17.808	S	167.590	E	10	G	4.4 4.0	1.5	10	VANUATU ISLANDS
	04	14	00	14.9*	38.500	N	25.968	E	10	G		0.9	5	AEGEAN SEA
	04	15	21	36.1	23.367	S	66.595	W	206		5.0	1.1	101	JUJUY PROVINCE, ARGENTINA
	04	16	03	04.1*	5.813	S	130.907	E	33	N	4.2	1.1	11	BANDA SEA
	04	17	26	15.4	26.656	S	176.373	W	33	N	5.0	1.2	40	SOUTH OF FIJI ISLANDS
	04	20	03	10.9	41.090	N	22.493	E	10	G		0.7	9	YUGOSLAVIA. ML 1.7 (SKO).
	04	20	13	00.0?	34.65	N	26.51	E	10	G		0.8	5	CRETE. MD 3.8 (ATH).
	04	20	16	46.7*	19.327	N	97.174	E	10	G		1.1	5	BURMA
	04	21	05	35.5&	60.058	N	153.756	W	161				32	SOUTHERN ALASKA. <AEIC>.
	04	21	15	51.9%	42.146	N	12.925	E	10	G		0.5	9	CENTRAL ITALY
	04	22	47	58.7?	3.67	N	75.23	W	33	N		0.5	9	COLOMBIA. MD 3.8 (UVC).
	05	00	16	10.3*	56.301	S	27.014	W	33	N	5.1	0.8	19	SOUTH SANDWICH ISLANDS REGION
	05	00	27	52.3?	44.48	N	148.96	E	33	N	4.5	1.1	13	KURIL ISLANDS
	05	00	51	16.5	34.457	N	31.622	E	20		3.6	1.2	58	CYPRUS
	05	02	06	42.1*	64.036	N	148.872	W	33	N		0.4	5	CENTRAL ALASKA. ML 3.4 (PMR).
	05	03	34	51.2%	44.824	N	2.385	E	10	G		1.0	7	FRANCE. ML 2.2 (LDG).
	05	03	41	09.5	37.153	N	26.494	E	24	*		1.3	10	DODECANESE ISLANDS. MD 3.6 (ATH).
	05	04	09	49.8*	58.039	S	25.296	W	33	N	5.3	1.1	31	SOUTH SANDWICH ISLANDS REGION
	05	04	18	29.2&	62.147	N	151.085	W	75				27	CENTRAL ALASKA. <AEIC>.
	05	06	05	19.4%	42.756	N	12.668	E	10	G		0.5	5	CENTRAL ITALY
	05	06	20	07.7	40.639	N	30.398	E	10	G		0.9	8	TURKEY. MD 3.1 (ISK).
	05	06	37	12.2?	40.31	N	24.14	E	10	G		1.0	7	AEGEAN SEA
	05	06	44	11.9*	38.986	N	21.150	E	5	G		1.4	6	GREECE. MD 2.7 (ATH).
	05	07	01	20.5&	60.305	N	150.526	W	38				33	KENAI PENINSULA, ALASKA. <AEIC>.
	05	08	30	47.6&	63.217	N	150.746	W	133				43	CENTRAL ALASKA. <AEIC>.
	05	08	58	03.3	40.973	N	22.365	E	10	G		0.9	21	GREECE. MD 3.0 (ATH), 2.7 (THE). ML 2.3 (SKO).
	05	09	03	26.9*	19.401	N	121.218	E	33	N	4.4	1.2	9	PHILIPPINE ISLANDS REGION
	05	09	18	24.6	44.422	N	149.201	E	35	*	5.2 4.2	0.9	134	KURIL ISLANDS
	05	09	43	54.6	37.080	N	26.810	E	10	G		1.4	9	DODECANESE ISLANDS. MD 3.1 (ATH).
	05	09	50	23.8%	40.131	N	27.927	E	10	G		0.3	7	TURKEY. MD 2.8 (ISK).
	05	10	01	38.2	41.106	N	22.424	E	10	G		0.4	9	YUGOSLAVIA
	05	10	15	29.7?	37.34	N	27.10	E	10	G		0.4	4	TURKEY
	05	10	30	07.2%	39.266	N	29.281	E	10	G		0.6	5	TURKEY. MD 2.6 (ISK).
	05	10	45	54.8%	39.223	N	28.626	E	10	G		0.8	13	TURKEY. MD 3.1 (ISK).
	05	11	07	31.3*	3.619	S	130.950	E	33	N	4.8 3.4	1.0	14	CERAM
	05	11	53	51.7%	44.781	N	6.683	E	10	G		0.6	6	FRANCE. ML 2.3 (LDG).
	05	12	38	05.0?	39.53	N	142.74	E	33	N	4.0	0.9	8	NEAR EAST COAST OF HONSHU, JAPAN

	05	13	31	43.8?	36.94	S	95.92	W	10	G	5.1	0.8	29	WEST CHILE RISE
	05	13	34	42.9?	40.09	N	28.75	E	10	G		0.2	4	TURKEY. MD 2.6 (ISK).
	05	13	45	22.9?	31.08	S	67.99	W	33	N		1.3	6	SAN JUAN PROVINCE, ARGENTINA
	05	14	03	43.0*	41.165	N	22.409	E	10	G		0.3	5	YUGOSLAVIA. ML 2.7 (SKO).
	05	14	32	56.6	41.056	N	22.226	E	10	G		1.3	6	YUGOSLAVIA
	05	14	50	07.2?	28.58	N	88.07	E	33	N		0.6	6	TIBET
a	05	14	57	11.5	23.613	N	95.901	E	20	D	6.2 7.1	1.3	400	BURMA. Ms 7.3 (BRK), 7.0 (PAS). Mo=4.0*10**19 Nm (PPT). Thirty-two buildings and 380 hectares of farmland damaged in the Thabeikkyin area. Some landslides reported. Felt strongly at Mandalay. Felt in much of northwestern Burma from Hkamti to Sittwe. Also felt in the Silchar area, India and in Thailand from Chiang Mai to Bangkok.
	05	15	38	55.7	23.800	N	95.963	E	33	N	4.3	1.4	18	BURMA
	05	15	45	00.0*	5.328	N	94.145	E	36	?	5.1	0.7	13	NORTHERN SUMATERA
	05	15	47	49.1	5.140	N	32.080	E	33	N	4.9	0.9	28	SUDAN. mbLg 4.9 (BUL).
	05	16	04	14.1	24.012	N	95.978	E	32	*	5.2	1.4	72	BURMA
	05	16	21	03.4	65.505	N	134.110	W	16		5.1	1.0	86	NORTHERN YUKON TERRITORY, CANADA
	05	16	22	52.3*	36.390	N	21.594	E	10	G		1.2	12	SOUTHERN GREECE. MD 3.4 (ATH).
	05	16	53	18.9%	2.328	N	76.309	W	10	G		0.7	7	COLOMBIA. MD 3.1 (UVC).
	05	17	56	43.1*	35.346	N	27.879	E	10	G		1.5	14	DODECANESE ISLANDS. MD 4.0 (ATH).
	05	18	06	14.9?	27.13	N	67.06	E	33	N	4.5	1.1	9	PAKISTAN
	05	18	17	43.9%	40.823	N	28.604	E	10	G		0.3	9	TURKEY. MD 2.6 (ISK).
	05	18	50	17.2*	44.444	N	147.502	E	33	N	4.9	0.9	38	KURIL ISLANDS
	05	19	03	22.3	2.728	N	128.251	E	175	?	4.8	0.9	36	HALMAHERA
	05	19	56	24.6%	39.241	N	28.678	E	10	G		0.6	7	TURKEY. MD 2.8 (ISK).
	05	20	26	50.7	43.086	N	0.126	E	10	G		0.5	11	FRANCE. ML 3.1 (LDG). Felt (III) at Bagneres de Bigorre.
	05	20	32	19.2%	40.737	N	28.626	E	10	G		0.5	9	TURKEY. MD 2.9 (ISK).
	05	20	34	46.0%	40.716	N	28.639	E	10	G		0.7	8	TURKEY
	05	20	39	23.8	42.831	N	17.507	E	5	G		1.2	13	ADRIATIC SEA. ML 2.6 (TTG).
	05	20	59	32.1?	2.61	N	76.86	W	10	G		0.6	5	COLOMBIA. MD 3.7 (UVC).
	05	21	51	20.7	15.651	N	147.799	E	34	D	4.9 4.1	0.9	53	MARIANA ISLANDS REGION
	05	21	53	59.0?	4.44	N	76.73	W	33	N		1.1	6	COLOMBIA. MD 2.6 (UVC).
	05	22	44	38.1	39.715	N	20.263	E	10	G		1.0	6	GREECE-ALBANIA BORDER REGION
	05	23	19	51.8?	48.49	N	153.65	E	33	N	4.5	0.9	10	KURIL ISLANDS
	06	00	13	37.8	36.243	N	27.747	E	29			1.0	20	DODECANESE ISLANDS. MD 3.9 (ATH).
	06	01	07	51.0*	13.551	N	120.879	E	152	?	4.7	0.7	12	MINDORO, PHILIPPINE ISLANDS
	06	01	43	53.5	43.049	N	18.750	E	10	G		0.7	10	YUGOSLAVIA. ML 2.5 (TTG).
	06	01	47	43.4?	3.83	S	79.72	W	103	?	4.5	1.2	18	NEAR COAST OF ECUADOR
	06	01	48	03.7	44.839	N	4.876	E	10	G		1.2	15	FRANCE. ML 2.8 (LDG). MD 2.8 (STR).
	06	01	57	31.2*	12.722	N	47.556	E	10	G	4.7	1.5	17	EASTERN GULF OF ADEN
o	06	03	01	58.4	0.571	N	98.549	E	57		5.8 4.9	1.0	345	NORTHERN SUMATERA
	06	03	40	19.1	40.980	N	22.396	E	10	G		0.5	6	GREECE
	06	03	51	07.5	43.281	N	19.120	E	5	G	4.3	1.2	80	YUGOSLAVIA. ML 4.2 (ZAG), 4.2 (ROM), 4.0 (TTG), 3.5 (LJU). MD 4.5 (TRI), 4.0 (ATH). Felt in northern Montenegro.
	06	04	03	28.4?	43.25	N	18.98	E	10	G		0.1	4	YUGOSLAVIA. ML 2.4 (TTG).
	06	04	36	31.9	39.372	N	15.338	E	10	G		1.0	13	SOUTHERN ITALY
	06	05	50	15.0?	3.86	N	77.07	W	33	N		0.3	7	NEAR WEST COAST OF COLOMBIA. MD 2.8 (UVC).
	06	06	03	06.1	15.792	N	60.543	W	33	N		0.7	16	LEEWARD ISLANDS. ML 3.3 (FDF).
	06	06	29	18.8%	61.301	N	7.840	E	10	G		0.4	8	SOUTHERN NORWAY. MD 2.6 (BER).
	06	06	59	24.7*	15.187	S	166.355	E	69	*	4.2	1.1	26	VANUATU ISLANDS
	06	07	18	55.7&	63.147	N	150.807	W	126		3.2		71	CENTRAL ALASKA. <AEIC>.
	06	07	37	18.3	41.122	N	22.383	E	10	G		0.6	10	YUGOSLAVIA. ML 2.0 (SKO).
	06	08	19	35.3?	43.22	N	19.00	E	10	G		0.8	4	YUGOSLAVIA. ML 2.0 (TTG).
	06	09	25	06.4	46.873	N	8.991	E	10	G		1.4	15	SWITZERLAND. ML 2.7 (VIE), 2.6 (LDG).
	06	10	56	27.3*	28.602	S	177.776	W	67	D	4.9	0.9	19	KERMADEC ISLANDS REGION. Felt on Raoul Island.
	06	11	01	28.1?	25.00	N	97.32	E	10	G		0.7	7	BURMA-CHINA BORDER REGION
	06	11	25	08.0*	52.585	S	27.707	E	10	G	4.8 4.5	0.9	12	SOUTH OF AFRICA
	06	11	45	05.5%	40.722	N	28.655	E	10	G		0.6	5	TURKEY. MD 2.5 (ISK).
	06	12	14	06.7*	45.543	N	15.337	E	10	G		1.3	5	YUGOSLAVIA. ML 1.8 (LJU).
	06	12	32	13.0?	23.43	S	175.60	W	257	?	4.5	1.3	18	TONGA ISLANDS REGION
	06	12	50	23.3?	1.55	N	77.18	W	33	N		1.5	7	COLOMBIA
	06	12	51	22.9&	63.197	N	150.466	W	127				46	CENTRAL ALASKA. <AEIC>.
	06	13	07	34.9	43.367	N	82.948	E	13	D	4.7	0.9	53	NORTHERN XINJIANG, CHINA
	06	13	32	17.4&	58.236	N	143.066	W	10	G	3.0		40	GULF OF ALASKA. <AEIC>.
	06	13	56	48.9?	0.12	N	122.72	E	82	?	4.4	0.1	11	MINAHASSA PENINSULA
	06	14	48	01.6?	12.30	S	76.83	W	74		4.0	0.7	9	NEAR COAST OF PERU. Felt (IV) at Lima.
	06	14	59	12.4&	60.285	N	151.186	W	52				39	KENAI PENINSULA, ALASKA. <AEIC>.
	06	15	01	16.6	38.805	N	26.810	E	14			0.5	10	AEGEAN SEA. MD 3.3 (ISK).
	06	15	06	48.5%	40.183	N	27.917	E	13			0.3	8	TURKEY. MD 3.0 (ISK).
	06	15	24	33.6	40.745	N	28.616	E	12			0.6	25	TURKEY. MD 3.6 (ISK), 3.3 (ATH).
	06	15	37	14.5%	40.774	N	28.668	E	10	G		0.6	6	TURKEY. MD 2.7 (ISK).
	06	15	46	38.6	38.770	N	88.305	E	22	D	4.9 4.2	0.9	54	SOUTHERN XINJIANG, CHINA
	06	16	09	34.5%	40.527	N	28.837	E	10	G		1.1	6	TURKEY. MD 3.1 (ISK).
	06	16	10	11.7?	3.59	N	76.35	W	10	G		0.5	4	COLOMBIA. MD 2.1 (UVC).
	06	16	11	00.2*	44.514	N	149.579	E	74	?	4.2	1.0	25	KURIL ISLANDS
	06	16	19	37.0	40.763	N	28.623	E	10	G		0.5	14	TURKEY. MD 3.3 (ISK).
	06	16	39	43.3?	22.89	S	179.38	W	685	?	5.2	0.8	22	SOUTH OF FIJI ISLANDS
	06	17	14	01.1&	59.826	N	153.790	W	148		3.8		85	SOUTHERN ALASKA. <AEIC>.
	06	17	15	21.0	32.910	N	140.876	E	21		5.1	0.8	13	SOUTH OF HONSHU, JAPAN
	06	17	40	28.8?	4.23	N	76.38	W	90	?		0.5	9	COLOMBIA. MD 3.3 (UVC).
	06	18	16	52.5%	40.763	N	28.644	E	10	G		0.7	6	TURKEY. MD 2.4 (ISK).
	06	18	34	33.5*	13.328	S	166.421	E	146	*	4.8	1.3	14	VANUATU ISLANDS
	06	18	50	44.1%	38.889	N	29.834	E	10	G		1.0	5	TURKEY. MD 2.6 (ISK).
	06	21	50	52.8&	59.970	N	152.670	W	99				52	SOUTHERN ALASKA. <AEIC>.
	06	22	13	22.4*	17.263	N	73.896	E	80	?	4.4	0.9	11	INDIA
	06	22	36	47.9*	36.872	N	71.541	E	33	N	4.6	1.3	8	AFGHANISTAN-USSR BORDER REGION
	06	23	42	02.7	20.875	S	178.523	W	540		4.6	0.8	48	FIJI ISLANDS REGION
	06	23	56	42.6*	33.463	N	132.292	E	64	*	4.3	0.7	11	SHIKOKU, JAPAN
	07	00	39	10.8	37.400	N	22.010	E	10	G		1.1	18	SOUTHERN GREECE. ML 3.0 (ATH).
	07	01	19	55.2?	8.83	S	109.14	W	10	G	4.8 4.6	1.2	31	NORTHERN EASTER I. CORDILLERA. Ms 4.7 (BRK).

													Mo=2.0*10**17 Nm (PPT).
a	07	02 32 12.2	55.446	S	1.689	W	10	G	5.6	4.8	1.1	64	BOUVET ISLAND REGION
	07	02 38 28.0*	43.292	N	18.924	E	10	G			0.7	8	YUGOSLAVIA. ML 2.3 (TTG).
	07	04 16 14.1%	42.321	N	13.408	E	10	G			0.7	10	CENTRAL ITALY
	07	04 33 12.1&	58.104	N	152.970	W	58		2.7			63	KODIAK ISLAND REGION. <AEIC>.
	07	04 47 32.9%	43.008	N	0.649	W	10	G			0.3	5	PYRENEES. MD 1.0 (STR).
	07	05 15 15.3	40.687	N	28.556	E	19				0.8	46	TURKEY. MD 4.0 (ISK), 3.9 (ATH).
	07	05 22 30.6%	40.720	N	28.618	E	10	G			0.7	8	TURKEY. MD 2.7 (ISK).
	07	05 26 03.2%	40.829	N	28.637	E	10	G			0.1	5	TURKEY. MD 2.6 (ISK).
	07	05 33 07.8%	40.766	N	28.639	E	10	G			0.8	7	TURKEY. MD 2.5 (ISK).
	07	05 35 47.8&	63.006	N	150.482	W	12					51	CENTRAL ALASKA. <AEIC>. ML 3.3 (PMR).
	07	05 46 25.8%	40.745	N	28.621	E	10	G			0.9	5	TURKEY. MD 2.5 (ISK).
	07	05 49 03.9%	40.665	N	28.669	E	10	G			0.4	6	TURKEY. MD 2.5 (ISK).
	07	05 50 03.6%	40.756	N	28.613	E	10	G			0.5	13	TURKEY. MD 3.1 (ISK).
	07	05 54 08.8%	40.777	N	28.639	E	10	G			0.6	8	TURKEY. MD 2.8 (ISK).
	07	05 55 42.4%	40.707	N	28.635	E	10	G			0.3	6	TURKEY. MD 2.6 (ISK).
	07	06 20 15.7%	40.738	N	28.645	E	10	G			0.8	5	TURKEY. MD 2.4 (ISK).
	07	06 22 20.1?	39.68	N	27.96	E	10	G			0.2	5	TURKEY. MD 2.8 (ISK).
	07	06 27 01.7%	40.680	N	28.645	E	10	G			0.1	5	TURKEY. MD 2.5 (ISK).
	07	06 55 33.1?	55.36	S	1.41	W	10	G	5.3		1.4	17	BOUVET ISLAND REGION
	07	07 38 18.7?	31.49	S	177.53	E	33	N	4.2		1.3	10	NORTH OF NEW ZEALAND
	07	07 49 01.0&	60.609	N	151.739	W	71					53	KENAI PENINSULA, ALASKA. <AEIC>.
	07	08 04 39.3	41.041	N	22.408	E	10	G			0.4	8	YUGOSLAVIA. ML 1.3 (SKO).
	07	08 51 54.1	41.088	N	22.378	E	10	G			0.5	10	YUGOSLAVIA. ML 1.3 (SKO).
	07	09 15 43.5?	17.13	N	62.12	W	10	G			0.7	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	07	09 24 22.3%	40.742	N	28.615	E	15	G			0.4	6	TURKEY. MD 2.6 (ISK).
	07	09 37 43.4?	44.35	N	7.82	E	10	G			0.1	5	NORTHERN ITALY. ML 2.4 (LDG).
	07	09 45 28.7?	4.95	N	76.21	W	100	G			0.3	7	COLOMBIA. MD 3.1 (UVC).
	07	10 50 36.1	0.171	S	122.818	E	169	*	5.0		1.0	44	MINAHASSA PENINSULA
	07	11 07 40.4?	4.60	N	76.87	W	33	N			1.1	6	COLOMBIA. MD 2.4 (UVC).
	07	11 19 19.4*	7.523	S	127.668	E	105	?	5.0		1.4	13	BANDA SEA
	07	11 31 34.3%	40.680	N	28.610	E	10	G			0.5	7	TURKEY. MD 2.6 (ISK).
	07	11 42 56.1	38.022	N	14.107	E	10	G			1.0	9	SICILY
	07	11 45 23.8?	22.81	N	94.09	E	33	N			0.5	6	BURMA
	07	12 39 01.5%	40.663	N	28.652	E	10	G			0.4	6	TURKEY. MD 2.7 (ISK).
	07	12 43 31.7	40.710	N	28.632	E	10	G			0.6	13	TURKEY. MD 2.8 (ISK).
	07	12 44 25.0%	40.475	N	28.676	E	10	G			1.1	5	TURKEY
	07	12 49 14.3%	40.723	N	28.651	E	10	G			0.1	5	TURKEY. MD 2.7 (ISK).
	07	12 58 10.0	5.026	S	151.137	E	167		4.9		0.7	19	NEW BRITAIN REGION
	07	13 23 53.3	41.128	N	22.359	E	10	G			1.0	8	YUGOSLAVIA. ML 1.3 (SKO).
	07	13 46 38.7%	39.130	N	27.623	E	10	G			0.0	5	TURKEY. MD 2.6 (ISK).
	07	14 03 42.2	43.289	N	19.115	E	6		3.9		1.4	128	YUGOSLAVIA. ML 4.4 (ZAG), 4.6 (VIE), 4.1 (TTG). MD 4.7 (TRI), 4.2 (ROM). Felt (VI) at Zabljak and Pluzine; (III) at Titograd.
	07	14 07 47.0	43.161	N	19.102	E	10	G			0.9	11	YUGOSLAVIA. ML 2.8 (TTG).
	07	14 25 36.7	44.034	N	11.935	E	25				0.8	10	NORTHERN ITALY
	07	15 00 10.0	40.747	N	28.607	E	10	G			0.4	11	TURKEY. MD 2.8 (ISK).
	07	15 36 45.5?	13.06	N	60.53	W	33	N			1.0	10	WINDWARD ISLANDS. MD 3.9 (TRN).
	07	15 43 28.8*	36.211	N	121.880	E	10	G	3.8		1.3	6	EASTERN CHINA
	07	16 16 51.8%	43.227	N	19.010	E	10	G			0.5	9	YUGOSLAVIA. ML 2.3 (TTG).
	07	17 16 22.5%	46.849	N	0.440	W	5	G			1.3	10	FRANCE. ML 2.8 (LDG).
	07	17 20 57.5?	23.51	S	178.93	E	628	?	5.0		0.8	17	SOUTH OF FIJI ISLANDS
	07	17 26 11.1%	40.708	N	28.666	E	10	G			0.5	7	TURKEY. MD 2.6 (ISK).
	07	18 29 14.7	11.374	N	139.303	E	33	N	4.9		0.6	17	WEST CAROLINE ISLANDS
	07	18 42 29.6	40.707	N	29.986	E	10	G			0.7	14	TURKEY. MD 3.1 (ISK).
	07	18 56 26.4%	40.722	N	28.644	E	10	G			0.6	9	TURKEY. MD 2.7 (ISK).
	07	21 20 56.2%	40.716	N	28.612	E	10	G			0.4	6	TURKEY. MD 2.6 (ISK).
	07	21 25 37.9%	40.736	N	28.645	E	10	G			0.5	6	TURKEY. MD 2.5 (ISK).
	07	22 53 59.6&	33.250	N	116.250	W	6	G				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	07	23 08 28.5	43.128	N	19.067	E	5	G			1.0	11	YUGOSLAVIA. ML 2.7 (TTG).
	07	23 24 31.5	40.725	N	28.623	E	10	G			0.5	10	TURKEY. MD 2.9 (ISK).
	08	01 14 06.4&	60.055	N	152.763	W	98					32	SOUTHERN ALASKA. <AEIC>.
	08	02 06 52.2*	4.186	S	145.866	E	33	N	5.2	4.0	1.1	14	NEAR N COAST OF PAPUA NEW GUINEA
	08	02 10 28.5&	38.792	N	122.777	W	1					18	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=2.4*10**14 Nm (BRK).
	08	02 59 28.2%	40.713	N	28.641	E	10	G			0.5	9	TURKEY. MD 2.7 (ISK).
	08	03 23 03.2%	40.744	N	28.623	E	10	G			0.3	6	TURKEY. MD 2.6 (ISK).
	08	03 28 28.4?	37.70	N	27.16	E	33	N			0.8	8	TURKEY. MD 3.4 (ISK).
	08	04 00 08.8*	21.894	S	68.736	W	120	*	4.1		1.2	7	CHILE-BOLIVIA BORDER REGION
	08	04 11 59.6*	20.628	S	68.594	W	127	*	3.8		0.6	7	CHILE-BOLIVIA BORDER REGION
	08	04 56 09.6	44.542	N	7.186	E	10	G			0.5	11	NORTHERN ITALY ML 2.2 (LDG), 2.0 (GEN).
	08	05 23 29.3%	38.949	N	28.977	E	10	G			1.0	8	TURKEY. MD 2.8 (ISK).
	08	05 27 05.9%	30.534	S	117.206	E	10	G			1.5	8	WESTERN AUSTRALIA
	08	05 45 41.9%	30.592	S	117.120	E	10	G			1.1	6	WESTERN AUSTRALIA
	08	05 58 30.0?	40.97	N	22.42	E	10	G			0.9	4	GREECE
	08	06 42 04.2?	0.02	S	79.90	W	10	G			1.2	10	ECUADOR
	08	07 11 05.4&	59.724	N	151.373	W	48					44	KENAI PENINSULA, ALASKA. <AEIC>.
	08	08 51 28.6&	33.680	N	116.030	W	11					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	08	09 05 29.9	51.884	N	178.023	E	33	N	4.5		1.0	38	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PMR).
	08	09 21 48.0&	63.838	N	149.114	W	118					37	CENTRAL ALASKA. <AEIC>.
	08	09 45 21.6	2.420	N	128.176	E	51	?	5.0		1.0	31	HALMAHERA
	08	10 00 43.7*	13.313	N	59.915	W	30				0.5	16	WINDWARD ISLANDS. ML 3.9 (FDF). MD 3.9 (TRN).
	08	10 24 53.1&	60.578	N	150.743	W	43					51	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (PMR).
	08	10 34 53.7&	34.000	N	117.583	W	6	G				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt in the epicentral area.
	08	10 48 53.8%	44.326	N	8.251	E	10	G			0.3	5	NORTHERN ITALY. ML 2.0 (GEN).
	08	11 37 35.0*	15.848	N	147.242	E	33	N	4.3		1.0	21	MARIANA ISLANDS REGION
	08	11 49 05.5%	45.178	N	2.687	E	10	G			1.4	13	FRANCE. ML 2.4 (LDG).
	08	13 47 34.1	40.733	N	22.067	E	10	G			0.6	10	GREECE. ML 2.3 (SKO).
	08	14 47 04.6?	34.85	S	179.26	W	33	N	3.8		0.4	5	SOUTH OF KERMADEC ISLANDS
	08	15 41 52.1?	2.80	N	75.04	W	33	N			0.6	8	COLOMBIA. MD 3.4 (UVC).
	08	15 45 49.4?	22.91	N	94.83	E	33	N			0.3	7	BURMA
	08	15 55 38.8*	34.073	N	137.049	E	341	*	4.3		1.0	36	NEAR S. COAST OF HONSHU, JAPAN

	08	16 09 30.6	5.365	N	32.541	E	10	G	4.8		1.3	22	SUDAN mbLg 4.7 (BUL).
	08	16 12 05.9&	63.204	N	150.576	W	134					36	CENTRAL ALASKA. <AEIC>.
	08	16 57 49.5*	21.047	S	178.864	W	597	*	4.3		1 2	32	FIJI ISLANDS REGION
	08	18 03 42.2%	40.264	N	29.230	E	10	G			0.5	8	TURKEY. MD 2.6 (ISK).
	08	18 34 16.2%	42.077	N	19.285	E	10	G			0.2	5	YUGOSLAVIA. ML 2.2 (TTG).
	08	19 00 24.5?	39.73	N	26.25	E	10	G			0.7	6	TURKEY. MD 3.0 (ISK).
	08	19 24 34.8	41.086	N	22.378	E	10	G			0.5	11	YUGOSLAVIA. ML 2.2 (SKO).
	08	20 16 35.8%	3.102	N	76.725	W	10	G			0.9	8	COLOMBIA. MD 2.7 (UVC).
	08	20 57 51.7	43.410	N	5.403	E	10	G			0.6	15	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	08	21 06 35.7*	2.236	N	97.060	E	33	N	5.2		1.3	11	NORTHERN SUMATERA
	08	21 17 13.8*	24.434	S	67.066	W	172	?	3.9		1.4	10	CHILE-ARGENTINA BORDER REGION
	08	21 58 29.6	43.329	N	17.518	E	10	G			1.2	39	YUGOSLAVIA. ML 3.4 (KBA), 3.1 (TTG). MD 3.8 (TRI).
f	08	22 04 09.4	18.057	S	173.534	W	33	G	6.1	6.0	1.0	462	TONGA ISLANDS. Ms 6.3 (BRK). Mo=3.0*10**18 Nm (PPT). Two events obout 1.8 seconds oport. Depth from broodband displocement seismograms, based on first event.
	08	22 26 32.2%	42.760	N	13.114	E	10	G			0.4	5	CENTRAL ITALY
	08	23 23 10.2	40.685	N	29.938	E	10	G			0.5	13	TURKEY. MD 2.9 (ISK)
	08	23 43 35.0%	3.685	N	76.969	W	33	N			0.7	9	COLOMBIA. MD 3.4 (UVC).
	09	00 07 10.9%	2.130	N	76.221	W	10	G			1.0	8	COLOMBIA. MD 3.4 (UVC).
	09	00 49 35.6?	43.71	N	7.26	E	10	G			0.3	4	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).
	09	01 18 19.6*	20.851	N	120.200	E	33	N	4.3		1.4	10	PHILIPPINE ISLANDS REGION
	09	02 24 02.5&	58.893	N	142.788	W	10	G				32	GULF OF ALASKA. <AEIC>.
	09	05 27 42.1%	40.722	N	28.627	E	10	G			0.8	7	TURKEY. MD 2.6 (ISK).
	09	07 38 44.0	36.422	N	70.517	E	212	*	4.5		0.7	18	HINDU KUSH REGION
	09	08 15 39.3	56.975	N	120.437	E	33	N	4.6		1.4	32	EASTERN USSR. Felt (III) at Chito.
	09	08 41 24.6?	17.89	S	179.12	W	660	*	4.2		1.1	8	FIJI ISLANDS REGION
a	09	08 41 48.8	5.502	S	151.899	E	41	*	5.3	4.9	1.0	78	NEW BRITAIN REGION
	09	09 13 34.4?	16.20	N	61.43	W	33	N			0.7	5	LEEWARD ISLANDS
	09	09 37 43.0	43.443	N	5.432	E	10	G			0.5	12	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	09	10 10 18.7%	39.105	N	27.505	E	10	G			0.5	6	TURKEY. MD 2.7 (ISK).
	09	10 22 33.8%	17.598	S	123.980	E	10	G	4.3		1.1	13	WESTERN AUSTRALIA
	09	11 19 08.5*	5.421	S	151.878	E	55	*	4.8		0.6	13	NEW BRITAIN REGION
	09	11 23 11.6?	2.94	N	74.80	W	33	N			0.6	9	COLOMBIA. MD 4.0 (UVC).
	09	12 41 17.2*	1.342	N	98.621	E	110	*	4.8		1.1	24	NORTHERN SUMATERA
	09	12 44 31.7	41.098	N	22.449	E	10	G			0.8	7	YUGOSLAVIA. ML 1.9 (SKO).
	09	12 53 37.5*	11.514	S	166.370	E	33	N	5.2	3.8	0.9	22	SANTA CRUZ ISLANDS
	09	13 01 27.2?	39.18	N	27.53	E	10	G			0.4	4	TURKEY. MD 2.6 (ISK).
	09	13 10 47.5	42.403	N	16.712	E	15				1.0	50	ADRIATIC SEA. MD 4.2 (TRI). ML 3.7 (KBA), 3.4 (TTG), 3.4 (ROM), 3.1 (LJU).
	09	14 18 50.4	13.825	N	144.945	E	136		4.9		1 0	49	MARIANA ISLANDS. Felt in northern Guom.
f	09	15 08 53.5	5.396	S	151.837	E	28	G	5.9	5.9	1.1	251	NEW BRITAIN REGION Ms 6.2 (BRK), 5.8 (PAS). Mo=1.0*10**18 Nm (PPT). Depth from broodband displocement seismogroms.
	09	15 35 47.7	53.530	N	153.929	E	491	*	4.5		0.6	72	SEA OF OKHOTSK
	09	16 14 21.6*	5.573	S	152.053	E	50	*	4.8		0.6	11	NEW BRITAIN REGION
	09	16 59 43.4?	2.47	N	75.27	W	33	N			0.6	9	COLOMBIA. MD 3.7 (UVC).
	09	17 48 11 2%	40.015	N	27.168	E	28	*			1.5	11	TURKEY. MD 3.2 (ISK).
	09	18 23 06.1?	3.98	N	76.26	W	95	?			0.4	9	COLOMBIA. MD 3.5 (UVC).
	09	19 12 33.5	30.859	N	57.472	E	33	*	4.3		0.7	15	IRAN
	09	19 39 43.6*	33.858	N	57.337	E	41	*	4.6		1.2	14	IRAN. Felt ot Tobos.
	09	20 24 46.7?	43.28	N	5.30	E	10	G			0.4	8	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	09	20 35 20.6?	42.35	N	13.19	E	10	G			1.0	4	CENTRAL ITALY
	09	20 43 18.0?	44.67	N	141.69	E	226	?	4.2		0.6	5	HOKKAIDO, JAPAN REGION
	09	21 11 33.8	43.444	N	5.452	E	10	G			0.4	13	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	09	22 07 37.6*	36.982	N	29.638	E	10	G			0.5	5	TURKEY
	09	22 18 43.9&	33.650	N	116.750	W	6	G				2	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	09	22 59 11.0*	6.801	S	129.944	E	83	?	5.2		1.3	24	BANDA SEA
	09	23 42 10.3	38.369	N	22.075	E	5	G			1.2	45	GREECE. MD 3.7 (ATH).
	10	00 03 24.0%	10.795	N	61.769	W	10	G			0.4	5	TRINIDAD. MD 3.3 (TRN).
	10	00 20 28.6?	4.06	N	78.55	W	33	N			0.4	8	SOUTH OF PANAMA. MD 3.8 (UVC).
a	10	00 39 38.8	5.482	S	151.850	E	20	*	5.6	5.3	1.3	148	NEW BRITAIN REGION
	10	01 28 07.5*	31.404	S	72.568	W	97	?			1.0	14	OFF COAST OF CENTRAL CHILE
	10	01 33 18.1*	34.331	N	74 662	E	33	N	3.9		0.4	7	SOUTHWESTERN KASHMIR. Felt in the Srinagar area.
	10	02 04 45.7%	40.714	N	28.650	E	10	G			0.8	6	TURKEY. MD 2.5 (ISK).
	10	02 12 23.0&	63.105	N	150.922	W	131		3.5			82	CENTRAL ALASKA. <AEIC>. Felt (III) at Skwentna and (II) ot Talkeetno.
	10	02 18 52.8?	4.57	N	76.31	W	118	G			0.4	9	COLOMBIA. MD 3.8 (UVC).
	10	02 36 55.7*	1.493	N	126.479	E	43	?	4.6		1.1	22	MOLUCCA PASSAGE
	10	02 54 51.3*	1.353	N	126.161	E	33	N	5.0	3.8	0.9	26	MOLUCCA PASSAGE
	10	02 55 12.4*	24 077	S	66.673	W	208	*	4.2		0.9	16	SALTA PROVINCE, ARGENTINA
	10	03 02 20.1%	46.221	N	2.816	E	10	G			0.8	7	FRANCE. ML 2.0 (LDG).
	10	03 30 09.8*	11.790	N	87.084	W	73	?	4.7		1.2	48	NEAR COAST OF NICARAGUA
	10	03 33 30.2%	39.372	N	27.979	E	10	G			0.3	6	TURKEY. MD 2.4 (ISK).
a	10	03 41 02.6	18.006	S	173.589	W	23	D	5.6	5.3	1.0	217	TONGA ISLANDS. Ms 5.9 (BRK). Mo=6.0*10**17 Nm (PPT).
	10	05 54 00.5&	59.882	N	153.414	W	140					51	SOUTHERN ALASKA. <AEIC>.
	10	06 05 43.0*	50.278	N	18.952	E	10	G			0.4	5	POLAND. ML 3.2 (KRA).
	10	07 06 26.2	5.114	N	31.822	E	11	D	5.2	4.6	1.2	69	SUDAN. mbLg 4.9 (BUL).
	10	08 02 36.1*	33.079	S	70.301	W	125	?			0.3	7	CHILE-ARGENTINA BORDER REGION
	10	08 46 47.2?	44.03	N	7.32	E	10	G			0 4	5	NORTHERN ITALY. ML 2.3 (LDG).
	10	10 11 51.8%	39.129	N	27.610	E	10	G			0.3	5	TURKEY. MD 2.6 (ISK).
	10	10 20 51.0%	3.847	N	76.235	W	94	?			0 4	8	COLOMBIA. MD 3.1 (UVC).
	10	10 39 40.6?	40.85	N	29.59	E	10	G			0.2	4	TURKEY
	10	11 21 52.3%	41.263	N	14.623	E	10	G			1 0	5	SOUTHERN ITALY
	10	11 58 44.7%	40.200	N	28.784	E	10	G			0.6	9	TURKEY. MD 2.7 (ISK).
	10	13 07 24.4	4.804	S	76.506	W	41	*	4.4		1.2	22	NORTHERN PERU
	10	13 35 50.0?	37.19	N	3.63	W	10	G			0.7	5	SPAIN. mbLg 2.2 (MDD).
	10	13 47 02.9	47.704	N	16.133	E	10	G			1 1	17	AUSTRIA. ML 3.5 (VIE), 3.4 (KBA), 3.2 (VKA), 3.1 (BRA). Felt (V) at Ternitz.
	10	13 57 19.8	51.542	N	157.278	E	70	D	5.4		1 0	181	NEAR EAST COAST OF KAMCHATKA. Felt (IV) at Severo-Kurilsk.
	10	14 31 49.4	39.094	N	21.160	E	5	G			1 2	17	GREECE. MD 3.0 (ATH).
	10	14 55 30.9	41.121	N	22.442	E	10	G			0.5	6	YUGOSLAVIA. ML 1.8 (SKO).

	10	16	59	47.8	40.980	N	22.250	E	10	G		0.5	7	GREECE
	10	17	12	20.0&	61.528	N	147.913	W	4				42	SOUTHERN ALASKA. <AEIC>.
	10	17	15	21.2%	46.943	N	1.528	E	10	G		0.8	14	FRANCE. ML 2.7 (LDG).
	10	17	20	21.9?	39.58	N	28.82	E	10	G		1.0	4	TURKEY. MD 2.5 (ISK).
	10	19	05	53.4?	4.47	N	76.49	W	33	N		0.5	5	COLOMBIA. MD 2.9 (ISK).
	10	19	48	05.6	5.475	S	151.932	E	54	*	5.2 4.2	0.8	23	NEW BRITAIN REGION
	10	19	54	22.3	23.499	N	95.720	E	33	N	4.7 4.0	0.9	20	BURMA
	10	20	14	00.4	42.630	N	12.959	E	12			0.8	27	CENTRAL ITALY
	10	20	16	00.5%	42.584	N	12.813	E	10	G		0.7	5	CENTRAL ITALY
	10	20	35	25.7*	44.224	N	14.804	E	10	G		1.0	10	ADRIATIC SEA
	10	20	37	59.2&	59.999	N	152.170	W	94				15	SOUTHERN ALASKA. <AEIC>.
	10	21	09	19.9?	3.04	N	79.41	W	5	G		0.6	10	SOUTH OF PANAMA. MD 4.3 (UVC).
	10	22	17	34.6	38.440	N	21.812	E	5	G		1.1	12	GREECE. MD 3.1 (ATH).
	10	22	20	14.1?	16.51	N	120.63	E	10	G		0.4	4	LUZON, PHILIPPINE ISLANDS. Felt (III RF) at Baguio.
	10	22	54	47.7%	42.631	N	12.971	E	10	G		0.8	6	CENTRAL ITALY
	10	22	55	14.6	37.070	N	29.521	E	21			0.8	33	TURKEY. MD 4.1 (ISK), 3.9 (ATH), 3.7 (HLW). Felt in the Denizli area.
	10	22	58	26.2&	62.907	N	150.480	W	21		2.8		20	CENTRAL ALASKA. <AEIC>.
	10	22	59	39.1%	3.765	N	76.579	W	33	N		1.3	7	COLOMBIA. MD 2.9 (UVC).
	10	23	20	49.4%	40.698	N	28.713	E	10	G		0.7	7	TURKEY. MD 2.6 (ISK).
	11	00	11	26.8?	34.87	S	72.82	W	29			0.3	8	NEAR COAST OF CENTRAL CHILE
	11	00	24	59.9	40.808	N	27.519	E	10	G		1.0	21	TURKEY. MD 3.4 (ISK).
	11	01	15	27.3	43.098	N	19.116	E	5	G		0.9	20	YUGOSLAVIA. MD 2.9 (TTG).
	11	01	24	02.5?	17.30	N	120.00	E	33	N		1.5	5	PHILIPPINE ISLANDS REGION
	11	01	41	06.0	43.234	N	18.987	E	10	G		0.5	9	YUGOSLAVIA. MD 2.5 (TTG).
	11	01	49	11.8	37.049	N	29.488	E	10	G		0.8	16	TURKEY. MD 3.8 (ISK), 3.8 (ATH).
	11	01	51	05.7	43.164	N	19.065	E	10	G		0.8	10	YUGOSLAVIA. MD 2.5 (TTG).
	11	02	00	22.2	43.157	N	19.063	E	10	G		0.8	9	YUGOSLAVIA. ML 2.3 (TTG).
	11	02	18	36.9?	44.05	N	147.90	E	137	?	4.0	1.5	6	KURIL ISLANDS
	11	02	30	16.4	43.174	N	19.066	E	10	G		1.2	13	YUGOSLAVIA. MD 2.6 (TTG).
	11	03	27	27.4	37.055	N	29.470	E	10	G		1.1	10	TURKEY. MD 4.2 (ATH), 3.7 (ISK).
	11	03	50	26.6?	41.61	N	12.73	E	10	G		0.3	4	SOUTHERN ITALY
	11	04	13	28.0?	37.25	N	29.68	E	10	G		1.3	4	TURKEY
	11	05	12	17.8?	10.84	N	62.31	W	80	G		0.7	5	NEAR COAST OF VENEZUELA. MD 3.2 (TRN).
	11	05	24	46.2	43.148	N	19.020	E	10	G		1.3	10	YUGOSLAVIA. MD 2.5 (TTG).
	11	06	07	26.0*	39.730	N	20.711	E	10	G		0.7	5	GREECE-ALBANIA BORDER REGION. MD 2.3 (THE).
	11	06	35	52.9&	57.888	N	143.238	W	10	G			42	GULF OF ALASKA. <AEIC>.
	11	06	39	45.6&	57.887	N	143.219	W	10	G			22	GULF OF ALASKA. <AEIC>.
	11	06	42	00.6&	57.644	N	142.999	W	10	G			49	GULF OF ALASKA. <AEIC>.
	11	06	46	31.3&	59.432	N	153.026	W	76				39	SOUTHERN ALASKA. <AEIC>.
	11	06	48	06.4&	58.224	N	143.468	W	10	G			26	GULF OF ALASKA. <AEIC>.
	11	06	56	11.6	46.117	N	14.371	E	10	G		1.3	9	YUGOSLAVIA. MD 2.9 (LJU), 2.7 (TRI). ML 2.7 (VIE). Felt (IV) at Ljubljana.
	11	06	57	30.0	5.741	N	125.432	E	183		4.9	0.5	27	MINDANAO, PHILIPPINE ISLANDS
	11	07	22	20.9&	63.973	N	148.915	W	127				34	CENTRAL ALASKA. <AEIC>.
	11	08	04	25.8	38.847	N	27.768	E	10	G		1.1	10	TURKEY. MD 2.9 (ISK).
	11	08	26	47.7?	4.82	N	76.13	W	110	G		0.5	9	COLOMBIA. MD 3.5 (UVC).
	11	08	38	37.2?	49.24	N	0.07	E	5	G		0.1	4	FRANCE. ML 2.4 (LDG).
	11	09	08	48.6%	4.106	N	76.329	W	33	N		0.4	5	COLOMBIA. MD 2.2 (UVC).
	11	09	33	21.5	42.415	N	19.113	E	20	*		0.2	9	YUGOSLAVIA. ML 2.3 (TTG).
	11	10	00	50.5	39.348	N	23.641	E	10	G		0.8	9	AEGEAN SEA. ML 2.9 (ATH).
	11	10	14	39.0%	39.126	N	27.604	E	10	G		0.4	5	TURKEY. MD 2.6 (ISK).
a	11	10	15	23.4	18.904	S	178.844	W	502		5.3	1.3	121	FIJI ISLANDS REGION
	11	10	49	58.5	21.967	N	142.819	E	252	*	4.5	0.8	39	MARIANA ISLANDS REGION
	11	11	05	00.1?	15.64	N	60.93	W	33	N		0.2	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	11	11	08	56.9?	44.32	N	7.38	E	10	G		0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
	11	11	54	49.7*	15.645	S	174.942	W	234	*	5.0	1.5	52	TONGA ISLANDS
	11	13	03	02.0	5.456	S	151.945	E	33	N	5.0	0.9	33	NEW BRITAIN REGION
	11	13	20	04.5	42.358	N	24.126	E	10	G		0.8	11	BULGARIA. MD 2.9 (THE).
	11	13	53	51.8?	37.11	N	29.54	E	10	G		0.4	4	TURKEY
	11	14	02	43.9	47.100	N	152.337	E	95	*	5.1	0.9	103	KURIL ISLANDS
	11	15	15	30.4?	55.02	N	165.47	E	33	N	4.3	1.1	11	KOMANDORSKY ISLANDS REGION
	11	16	04	19.4*	53.198	N	170.246	E	33	N	4.6	0.8	14	NEAR ISLANDS, ALEUTIAN ISLANDS
	11	16	56	17.4*	17.297	S	176.956	W	426	D	5.1	1.2	29	FIJI ISLANDS REGION
	11	17	04	37.8*	38.598	N	27.065	E	10	G		1.1	8	TURKEY. MD 3.1 (ISK).
	11	17	56	00.9%	41.118	N	22.386	E	5	G		1.6	6	YUGOSLAVIA. MD 1.1 (THE).
	11	18	16	56.8*	29.218	N	51.124	E	33	N	4.0	1.3	10	SOUTHERN IRAN. ML 4.0 (BMU).
	11	18	17	36.5?	44.08	N	150.38	E	33	N	4.5	0.8	10	KURIL ISLANDS REGION
	11	19	19	29.6	41.044	N	22.365	E	10	G		0.9	6	YUGOSLAVIA. MD 1.7 (THE).
	11	19	27	59.0?	44.78	N	6.66	E	10	G		0.1	4	FRANCE. ML 1.5 (GEN).
	11	19	38	09.5?	40.19	N	20.40	E	10	G		0.6	4	GREECE-ALBANIA BORDER REGION. MD 2.2 (THE).
	11	19	42	36.3&	32.033	N	115.033	W	6	G			3	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	11	19	46	19.7?	36.98	N	29.64	E	10	G		0.2	4	TURKEY
	11	19	53	48.7	40.039	N	25.896	E	12			0.6	31	AEGEAN SEA. MD 3.4 (ISK), 3.2 (ATH), 2.9 (THE).
	11	20	26	02.5	40.114	N	20.610	E	10	G		1.2	14	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH), 3.0 (THE).
	11	20	27	21.9?	12.57	N	90.02	W	33	N	3.9	0.2	6	OFF COAST OF CENTRAL AMERICA. Felt (III) at San Salvador, El Salvador.
	11	20	43	02.2%	40.552	N	23.646	E	5	G		0.5	5	GREECE. MD 1.7 (THE).
	11	20	57	37.8&	63.033	N	148.690	W	75		3.9		88	CENTRAL ALASKA. <AEIC>. Felt (II) at Mile 95 Glenn Highway and (I) at Anchorage.
	11	21	28	54.9	40.598	N	23.699	E	10	G		1.5	10	GREECE. MD 2.1 (THE).
	11	22	16	02.3?	3.51	N	76.48	W	5	G		0.1	4	COLOMBIA. MD 2.3 (UVC).
	11	22	30	48.1&	40.480	N	124.498	W	21				11	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.5 (BRK).
	11	22	36	14.0?	2.34	N	75.76	W	33	N		0.8	5	COLOMBIA. MD 3.5 (UVC).
	11	23	24	31.4	39.197	N	24.521	E	10	G		0.6	17	AEGEAN SEA. ML 2.8 (ATH). MD 2.4 (THE).
	12	03	14	35.9	31.582	S	71.867	W	33	N	4.5 4.3	1.4	27	NEAR COAST OF CENTRAL CHILE
	12	04	56	51.2*	22.342	N	120.586	E	10	G	4.3	1.3	9	TAIWAN
	12	05	45	33.2*	18.409	S	173.596	W	33	N	5 0 5.1	1.0	34	TONGA ISLANDS
a	12	06	03	25.7	18.043	S	173.530	W	33	N	5.4 5.3	1.0	155	TONGA ISLANDS. Ms 5.4 (BRK).
	12	07	28	29.2*	31.579	S	71.870	W	48	*	4.6	1 3	22	NEAR COAST OF CENTRAL CHILE
	12	07	51	28.0*	14.737	N	119.272	E	33	N	4.4	0.7	8	LUZON, PHILIPPINE ISLANDS
	12	08	19	34.4&	59.979	N	152.322	W	92		2.9		57	SOUTHERN ALASKA. <AEIC>.
	12	09	05	32.7	40.607	N	23.828	E	10	G		0.8	17	GREECE. MD 2.8 (ATH), 2.5 (THE).

	12	09	18	38.7&	59.844	N	153.411	W	133				36	SOUTHERN ALASKA. <AEIC>.
	12	09	29	53.0*	4.744	N	96.073	E	33	N	4.7	1.4	15	NORTHERN SUMATERA
	12	09	33	40.6	24.452	S	69.316	W	82	D	4.6	1.1	20	NORTHERN CHILE
	12	10	10	51.1	40.527	N	22.552	E	10	G		1.0	16	GREECE. MD 2.9 (ATH), 2.4 (THE).
	12	10	50	20.6%	26.419	S	27.174	E	5	G		0.3	5	REPUBLIC OF SOUTH AFRICA
	12	12	22	23.1%	39.285	N	27.802	E	10	G		1.1	6	TURKEY. MD 2.5 (ISK).
	12	12	30	50.1&	60.163	N	152.998	W	121				37	SOUTHERN ALASKA. <AEIC>.
	12	12	33	44.4*	7.027	N	76.511	W	33	N	3.7	1.1	12	NORTHERN COLOMBIA
	12	13	04	13.6&	57.670	N	154.118	W	57		3.2		41	KODIAK ISLAND REGION. <AEIC>.
	12	13	12	52.8%	39.135	N	27.591	E	10	G		0.4	6	TURKEY. MD 2.6 (ISK).
	12	13	18	30.7*	39.286	N	15.261	E	295	*	3.9	1.2	26	SOUTHERN ITALY
	12	13	40	46.9%	39.112	N	27.648	E	10	G		0 4	5	TURKEY. MD 2.4 (ISK).
	12	14	14	13.2%	3.750	N	76.619	W	33	N		0.9	9	COLOMBIA. MD 3.1 (UVC).
	12	14	35	48.3%	44.754	N	6.912	E	10	G		1.0	7	FRANCE. ML 1.8 (GEN).
	12	14	45	20 8&	61.490	N	149.644	W	40				60	SOUTHERN ALASKA. <AEIC>. ML 3.1 (PMR).
	12	15	11	42.4%	40.310	N	29.196	E	10	G		0.3	5	TURKEY. MD 2.7 (ISK).
	12	15	43	36.9	37.126	N	29.549	E	10	G		1.0	7	TURKEY. MD 3.7 (ATH), 3.5 (ISK).
	12	17	03	48.6?	30.63	S	117.01	E	10	G		0.7	4	WESTERN AUSTRALIA
	12	17	48	43.9*	25.954	N	125.356	E	150	?	4.0	0.6	12	SOUTHWESTERN RYUKYU ISLANDS
	12	18	00	40.0%	40.699	N	28.625	E	10	G		0.5	9	TURKEY. MD 2.7 (ISK).
	12	18	45	13.6?	3.01	N	128.51	E	33	N	4.6	1.0	12	NORTH OF HALMAHERA
	12	20	55	50.3?	30.82	S	117.07	E	10	G		1.0	4	WESTERN AUSTRALIA
	12	21	37	26.0&	60.667	N	145.110	W	19				37	SOUTHERN ALASKA. <AEIC>.
	12	22	10	45.2?	18.21	S	178.26	W	612	?	*4.9	1.5	13	FIJI ISLANDS REGION
	12	22	15	38.4?	4.21	N	77.72	W	33	N		0.6	7	NEAR WEST COAST OF COLOMBIA. MD 3.5 (UVC).
	12	22	59	45.6	22.896	S	63.782	W	542		4.7	0.8	60	SALTA PROVINCE, ARGENTINA
a	12	23	08	03.5	17.813	S	172.934	W	33	N	4.9 4.7	1.3	49	TONGA ISLANDS REGION
	12	23	16	38.1	23.695	N	121.758	E	10	G	4.3	1.3	18	TAIWAN. ML 4.5 (BJI).
	13	00	13	25.5?	4.03	N	76.75	W	81	?		0.2	7	COLOMBIA. MD 2.8 (UVC).
	13	00	18	35.0%	37.566	N	21.389	E	10	G		1.4	5	SOUTHERN GREECE. MD 2.8 (ATH).
	13	01	01	09.5*	37.084	N	29.789	E	10	G		0.5	6	TURKEY. MD 3.5 (ISK).
	13	02	22	09.3?	65.37	N	6.22	E	10	G		0.7	5	NORWEGIAN SEA MD 3.4 (BER).
	13	03	23	48.4	45.661	N	26.647	E	141		4.7	1.2	203	ROMANIA. Felt at Nikopol, Pavlikeni, Razgrad, Ruse and Silistra, Bulgaria.
	13	03	57	25.0*	31.863	S	69.468	W	120	G		1.4	10	SAN JUAN PROVINCE, ARGENTINA
	13	04	31	11.8&	34.200	N	116.633	W	6	G			3	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS).
	13	05	01	32.5	40.954	N	22.344	E	10	G		0.4	7	GREECE. MD 2.0 (THE).
	13	05	11	53.1	37.095	N	29.555	E	10	G	4.8	1.0	44	TURKEY. MD 4.1 (ISK). Felt at Cameli.
	13	05	34	53.5?	37.04	N	29.44	E	10	G		0.3	4	TURKEY
	13	05	39	44.8%	41.789	N	12.707	E	10	G		0.4	7	SOUTHERN ITALY
	13	05	44	21.7?	37.03	N	29 50	E	10	G		0.4	4	TURKEY. MD 3.3 (ISK).
	13	05	59	05.2%	44.055	N	11.111	E	10	G		0.7	6	NORTHERN ITALY
	13	06	03	06.0	50.965	N	6.269	E	10	G		0.6	8	GERMANY. ML 1 9 (BNS).
	13	06	35	44.7*	23.848	N	96.221	E	33	N	3.8	0.3	8	BURMA
	13	06	46	46.7?	37.10	N	29.67	E	10	G		0.8	4	TURKEY
	13	06	52	27.4*	22.476	S	68.072	W	165	*	4.6	1.3	23	NORTHERN CHILE
	13	07	45	01.8?	10.10	S	123.23	E	33	N	4.0	1.0	5	TIMOR
	13	07	51	07.1	35.500	N	141.186	E	33	N	4.6 4 1	1.3	43	NEAR EAST COAST OF HONSHU, JAPAN
	13	08	08	41.1*	7.839	S	131.066	E	82	?	5.1	1.7	14	TANIMBAR ISLANDS REGION
	13	08	12	46.3%	42.697	N	13.121	E	10	G		0.8	12	CENTRAL ITALY
	13	08	19	08.7?	4.67	N	76.86	W	33	N		0.4	6	COLOMBIA. MD 2.7 (UVC).
	13	09	19	36.5*	1.839	S	78.562	W	142		4.3	1.3	24	ECUADOR
	13	09	34	37.4*	20.482	S	172.956	W	33	N	4.8	1.0	15	TONGA ISLANDS REGION
	13	09	35	32.6%	38.453	N	21.811	E	33	N		1.2	5	GREECE. MD 2.8 (ATH).
	13	09	49	02.0?	37.04	N	29.47	E	10	G		0.3	4	TURKEY
	13	09	59	03.1	41.109	N	22.363	E	10	G		0.3	8	YUGOSLAVIA. MD 1.5 (THE). ML 1.3 (SKO).
	13	10	13	14.4	5.827	N	94.748	E	67	D	5.0	1.0	81	NORTHERN SUMATERA
	13	10	41	59.4?	32.00	N	72.84	E	33	N	4.5	0.7	9	PAKISTAN
	13	11	31	15.5?	4.35	N	75.79	W	120	G		1.0	10	COLOMBIA. MD 4.5 (UVC).
	13	11	33	19.1%	39.136	N	27.570	E	10	G		0.3	5	TURKEY. MD 2.4 (ISK).
	13	11	37	31.4%	39.188	N	27.641	E	10	G		0.2	5	TURKEY. MD 2.4 (ISK).
	13	11	53	36.7	40.558	N	105.793	E	17	D	5.2 5.6	1.1	149	NORTHERN CHINA
a	13	11	54	36.6	2.928	S	84.566	E	10	G	5.9 5.3	1.1	226	SOUTH INDIAN OCEAN
	13	12	00	36.2?	37.17	N	29.98	E	10	G		0.3	4	TURKEY. MD 3.6 (ISK).
	13	13	01	34.2%	42.049	N	13.611	E	10	G		0.7	9	CENTRAL ITALY
	13	13	11	06.6*	59.005	S	25.372	W	33	N	4.9 4.7	1.0	28	SOUTH SANDWICH ISLANDS REGION
	13	13	27	38.2*	23.911	S	66.647	W	209	*	4.2	1.4	18	JUJUY PROVINCE, ARGENTINA
	13	14	09	48.1%	42.053	N	13.590	E	10	G		0.2	5	CENTRAL ITALY
	13	14	17	31.9?	39.13	N	27.57	E	10	G		0.3	4	TURKEY. MD 2.4 (ISK).
	13	14	32	15.1?	37.03	N	29.72	E	10	G		1.1	4	TURKEY
	13	15	03	46.8*	17.892	S	178.526	W	550	G	5.1	1.3	28	FIJI ISLANDS REGION
	13	15	22	24.2?	4.18	N	77.54	W	60	G		0.8	9	NEAR WEST COAST OF COLOMBIA
	13	16	57	12.5*	0.091	S	123.406	E	154	*	4.6	1.0	12	MINAHASSA PENINSULA
	13	17	22	01.7	65.738	N	37.463	W	10	G	4.8	1.1	25	EASTERN GREENLAND
	13	17	36	19.1?	4.21	N	76.87	W	33	N		0.7	6	COLOMBIA. MD 2.6 (UVC).
	13	17	38	29.6	18.234	S	178.031	W	591		5.0	1.2	118	FIJI ISLANDS REGION. MD 4.7 (SVA).
	13	17	48	31.4%	38.873	N	27.776	E	10	G		0.2	6	TURKEY. MD 2.7 (ISK).
	13	19	26	17.7%	42.670	N	13.084	E	10	G		0.9	5	CENTRAL ITALY
	13	19	43	05.0&	62.646	N	149.490	W	67				36	CENTRAL ALASKA. <AEIC>.
	13	19	44	52.0	37.104	N	29.440	E	5	G		1.3	18	TURKEY. MD 3.9 (ATH), 3.8 (ISK).
	13	20	18	21.3?	4.95	N	76.22	W	110	G		0.6	8	COLOMBIA. MD 3.5 (UVC).
	13	20	40	42.3?	61.88	N	3.95	E	10	G		1.4	5	NORWEGIAN SEA. MD 2.2 (BER).
	13	20	40	54.8?	36.98	N	29.43	E	10	G		0.6	4	TURKEY. MD 3.1 (ISK).
	13	20	46	43.3	1.875	S	136.908	E	33	N	5.1	1.1	47	WEST IRIAN REGION
	13	21	18	24.9&	63.181	N	151.824	W	9				24	CENTRAL ALASKA. <AEIC>.
	13	21	51	54.7?	41.79	N	81.29	E	33	N	4.3	0.3	5	SOUTHERN XINJIANG, CHINA
	13	22	06	54.7*	11.498	N	86.623	W	33	N	4.6 4.0	1.3	33	NEAR COAST OF NICARAGUA
	13	22	39	54 0%	39.957	N	23.295	E	10	G		0.5	7	AEGEAN SEA. MD 1 8 (THE).
	13	23	17	58.7?	4.94	N	76.81	W	26	*		0.5	8	COLOMBIA. MD 3.4 (UVC).
	14	00	24	54.6	41.098	N	22.459	E	10	G		0.5	8	YUGOSLAVIA. MD 1.8 (THE). ML 1.7 (SKO).
	14	00	39	57.1	36.217	N	28.178	E	98	*		0.8	9	DODECANESE ISLANDS
	14	01	13	04.1%	39.977	N	23.309	E	10	G		0.6	6	AEGEAN SEA. MD 1.4 (THE).
	14	01	19	56.7	41.065	N	22.474	E	10	G		0.2	7	YUGOSLAVIA. MD 1.5 (THE). ML 1.5 (SKO).

	14	01	22	40.2*	23.673	N	121.377	E	10	G	3.6	1.1	8	TAIWAN
	14	01	59	17.6?	38.13	N	26.38	E	5	G		0.8	4	AEGEAN SEA. MD 3.0 (ISK).
	14	02	25	30.3	6.518	S	154.919	E	28	D	5.3	1.0	15	SOLOMON ISLANDS
	14	02	34	35.1*	35.451	N	27.451	E	5	G		1.4	8	DODECANESE ISLANDS. MD 3.6 (ATH).
	14	02	49	38.8?	37.17	N	22.59	E	33	N		0.1	4	SOUTHERN GREECE. MD 2.8 (ATH).
	14	03	18	05.1*	20.027	S	167.296	E	29		5.0	0.9	9	LOYALTY ISLANDS
	14	03	23	47.6	46.267	N	7.392	E	10	G		1.3	14	SWITZERLAND. ML 2.5 (LDG).
	14	04	15	38.9%	40.688	N	26.124	E	10	G		0.9	6	TURKEY
	14	04	20	22.7%	42.129	N	13.379	E	10	G		0.7	5	CENTRAL ITALY
	14	04	46	31.8*	35.568	N	26.452	E	33	N		1.0	7	CRETE. MD 3.2 (ATH).
	14	06	25	45.2*	41.620	N	24.342	E	10	G		0.9	6	GREECE-BULGARIA BORDER REGION. MD 2.6 (THE).
	14	06	31	02.6?	41.81	N	24.44	E	10	G		0.3	4	GREECE-BULGARIA BORDER REGION
	14	06	32	05.8%	43.093	N	0.657	W	10	G		0.1	7	PYRENEES. MD 2.0 (STR).
	14	06	38	58.8?	37.96	N	71.84	E	33	N	4.2	0.9	7	AFGHANISTAN-USSR BORDER REGION
	14	06	56	54.6	42.161	N	19.188	E	10	G		0.7	13	YUGOSLAVIA. ML 3.0 (TTG).
	14	07	11	41.9	43.802	N	11.883	E	21			1.5	53	CENTRAL ITALY. ML 3.6 (LDG), 3.6 (KBA). MD 3.5 (ROM).
	14	07	15	34.7	38.669	N	23.705	E	10	G		1.0	25	GREECE. ML 3.3 (ATH).
	14	07	30	11.6&	60.546	N	151.935	W	76				62	KENAI PENINSULA, ALASKA. <AEIC>.
	14	07	31	09.7	43.790	N	11.866	E	10	G		1.4	72	CENTRAL ITALY. ML 3.8 (LDG), 3.8 (KBA), 3.8 (ZAG). MD 3.5 (ROM).
	14	07	33	05.0%	43.811	N	12.002	E	5	G		0.7	9	CENTRAL ITALY
	14	07	37	04.5	43.743	N	11.918	E	10	G		1.0	12	CENTRAL ITALY. ML 2.8 (VIE). MD 2.7 (ROM).
	14	07	38	03.7%	43.789	N	11.947	E	10	G		0.6	8	CENTRAL ITALY
	14	07	38	36.7	43.836	N	11.872	E	22		4.1	1.0	107	CENTRAL ITALY. MD 4.1 (LJU), 4.0 (ROM).
	14	07	45	59.1	21.524	N	143.273	E	250	G	4.4	1.0	29	MARIANA ISLANDS REGION
	14	08	38	31.7?	44.31	N	7.36	E	10	G		0.0	4	NORTHERN ITALY. ML 1.6 (GEN).
	14	09	03	32.2	14.972	S	167.345	E	127		5.1	1.0	34	VANUATU ISLANDS
	14	09	12	40.0*	30.374	N	70.132	E	33	N	4.4	1.7	19	PAKISTAN
	14	09	17	15.3%	39.387	N	28.002	E	10	G		0.7	9	TURKEY. MD 3.0 (ISK).
	14	09	25	12.8?	39.20	N	27.59	E	10	G		0.3	4	TURKEY
	14	09	30	41.0%	43.906	N	12.070	E	10	G		0.8	10	CENTRAL ITALY. MD 2.6 (ROM).
	14	09	49	57.7	22.727	S	66.205	W	254	*	4.3	1.1	20	JUJUY PROVINCE, ARGENTINA
	14	10	20	51.1%	39.146	N	27.615	E	10	G		0.5	5	TURKEY. MD 2.7 (ISK).
	14	10	24	30.2	2.733	S	138.862	E	33	N	4.8 4.3	1.1	25	WEST IRIAN
	14	10	56	45.4?	43.81	N	12.12	E	10	G		1.1	4	CENTRAL ITALY. MD 2.6 (ROM).
	14	11	36	58.5*	35.039	S	70.664	W	97	*	4.8	1.3	45	CHILE-ARGENTINA BORDER REGION
	14	11	39	31.3%	43.452	N	5.459	E	10	G		0.5	7	NEAR SOUTH COAST OF FRANCE. MD 2.9 (STR).
	14	13	48	19.8?	42.76	N	24.12	E	10	G		0.3	5	BULGARIA MD 2.8 (THE).
a	14	14	12	10.0	25.187	S	178.314	E	555		5.3	1.1	140	SOUTH OF FIJI ISLANDS. MD 5.1 (SVA).
	14	15	09	38.5*	7.103	S	147.739	E	88	*	5 0	1.0	17	EAST PAPUA NEW GUINEA REGION
	14	15	30	31.5*	50.944	S	162.180	E	33	N	5.0	1.0	11	AUCKLAND ISLANDS REGION
	14	15	39	24.5*	8.462	S	123.582	E	163	*	4.6	0.9	12	FLORES ISLAND REGION
	14	15	53	14.9%	3.546	N	75.802	W	33	N		1.0	9	COLOMBIA. MD 3.1 (UVC).
	14	15	53	23.4?	31.59	S	72.05	W	33	N		1.3	12	OFF COAST OF CENTRAL CHILE
	14	16	24	57.3&	58.269	N	142.691	W	10	G	4 5		32	GULF OF ALASKA. <AEIC>. ML 4.2 (PMR).
	14	17	41	00.3%	37.978	N	16 034	E	10	G		0.5	9	IONIAN SEA
	14	17	55	07.2	43.813	N	11.896	E	20			1.1	44	CENTRAL ITALY. ML 3.5 (KBA). MD 3.4 (ROM).
	14	17	57	20.3*	7.414	N	126.563	E	82	?	4.2	1.0	11	MINDANAO, PHILIPPINE ISLANDS
	14	19	13	14.1%	43.778	N	11.925	E	10	G		0.3	5	CENTRAL ITALY
	14	19	42	01.6%	43.803	N	11.893	E	13			0.8	10	CENTRAL ITALY. MD 2.7 (ROM).
	14	20	12	54.6?	37.04	N	29.59	E	10	G		0.0	4	TURKEY
	14	20	26	15.1&	59.628	N	152.813	W	101				51	SOUTHERN ALASKA. <AEIC>.
	14	20	46	04.5	46.379	N	14.887	E	5	G		1.0	12	YUGOSLAVIA. ML 2.8 (VIE). MD 2.7 (LJU), 2.4 (TRI). Felt (IV) at Bleiburg and Carinthia, Austria.
a	14	21	11	04.2	18.029	N	101.700	W	31	D	5.3 5.0	1.2	113	GUERRERO, MEXICO. Mo=2.0*10**17 Nm (PPT). Felt at Chilpancingo, Lazaro Cardenas and Mexico City.
	14	21	26	56.5?	44.62	N	19.75	E	10	G		1.5	7	YUGOSLAVIA. ML 2.9 (TTG).
	14	21	31	53.9	46.546	N	9.832	E	10	G		1.1	62	SWITZERLAND. ML 3.3 (LDG), 3.2 (FUR), 3.0 (VIE). MD 3.1 (STR).
	14	22	20	40.5	45.091	N	2.932	E	5	G		1.0	12	FRANCE. MD 2.4 (STR). ML 2.2 (LDG).
	14	23	44	37.6%	4.166	N	76.912	W	33	N		0.5	8	COLOMBIA. MD 2.8 (UVC).
	14	23	46	03.7	42.934	N	12.727	E	21			1.3	59	CENTRAL ITALY. ML 3.6 (LDG), 3.1 (KBA). MD 3.5 (ROM), 3.5 (TRI).
	15	00	21	14.1?	15.80	S	178.12	E	33	N		0.5	7	FIJI ISLANDS. MD 4.1 (SVA).
	15	01	19	00.8%	2.853	N	76.311	W	10	G		0.7	6	COLOMBIA. MD 2.6 (UVC).
a	15	01	40	50.8	23.168	S	179.685	W	586	D	5.5	1.1	131	SOUTH OF FIJI ISLANDS
	15	01	45	31.2	6.808	N	72.992	W	159	D	4.5	1.0	30	NORTHERN COLOMBIA
	15	02	41	34.3%	33.899	S	71.301	W	33	N		0.4	7	NEAR COAST OF CENTRAL CHILE
	15	04	00	17.8	7.180	S	149.219	E	49	*	5.1 3.8	1.1	47	NEW BRITAIN REGION
	15	05	52	05.4	41.444	N	142.107	E	73		4.7	1.2	51	HOKKAIDO, JAPAN REGION
	15	06	02	45.7&	58.762	N	154.378	W	101		2.9		53	ALASKA PENINSULA. <AEIC>.
	15	06	28	51.0*	25.214	S	69.069	W	89	?	3.9	1.1	9	NORTHERN CHILE
	15	07	15	52.2?	1.84	S	80.86	W	33	N	3.6	1.6	13	NEAR COAST OF ECUADOR
	15	07	51	20.0%	43.400	N	5.440	E	10	G		0.5	7	NEAR SOUTH COAST OF FRANCE. MD 2.9 (STR).
	15	07	53	59.2?	15.79	N	60.54	W	33	N		0.5	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	15	08	01	37.3%	46.963	N	1.499	E	10	G		0.8	12	FRANCE. ML 2.5 (LDG).
	15	08	10	30.4?	13.12	S	118.41	E	33	N	4.2	0.8	9	NORTHWEST OF AUSTRALIA
	15	08	55	35.5*	43.398	N	5.401	E	10	G		0.9	10	NEAR SOUTH COAST OF FRANCE. MD 2.7 (STR).
	15	09	13	31.0?	39.14	N	27.50	E	10	G		0.8	4	TURKEY. MD 2.5 (ISK).
	15	09	18	21.2&	62.271	N	151.956	W	117				32	CENTRAL ALASKA. <AEIC>.
	15	10	31	59.2&	58.153	N	143.132	W	10	G			67	GULF OF ALASKA. <AEIC>.
	15	10	59	34.0%	43.070	N	0.623	W	10	G		0.3	5	PYRENEES MD 2.3 (STR).
	15	11	11	11.3	10.370	N	62.296	W	5	G		0.9	15	NEAR COAST OF VENEZUELA. MD 3.8 (TRN).
	15	12	02	58.9&	62.924	N	149.566	W	81				40	CENTRAL ALASKA. <AEIC>.
	15	12	39	29.3%	40.594	N	23.405	E	10	G		0.6	6	GREECE. MD 1.8 (THE).
	15	13	18	57.7	43.571	N	17.211	E	5	G		0.8	14	YUGOSLAVIA. ML 3.0 (TTG).
a	15	13	43	47.5	5.990	S	154.460	E	58	D	5.6	1.2	164	SOLOMON ISLANDS. Mo=6.0*10**17 Nm (PPT).
	15	14	05	34.5	38.631	N	23.811	E	10	G	4.5	1.2	51	GREECE
	15	14	28	00.8?	38.48	N	23.01	E	10	G		0.3	4	GREECE. MD 2.9 (ATH).
	15	15	38	30.0%	2.387	N	76.360	W	10	G		0 5	7	COLOMBIA MD 3.4 (UVC).
	15	15	55	14.2%	10.541	N	61.741	W	10	G		1.3	5	TRINIDAD. MD 3.0 (TRN).
	15	18	21	27.4&	62.181	N	153.089	W	5				27	CENTRAL ALASKA. <AEIC>.
	15	19	07	09.3?	20.19	S	179.10	W	628	?	4 3	0.7	11	FIJI ISLANDS REGION

	15	20 58 14.5?	36.78	N	23.69	E	10	G			0.7	4	SOUTHERN GREECE. ML 2.9 (ATH).
	15	21 00 28.2?	13.56	S	167.29	E	263	?	4.0		1.1	30	VANUATU ISLANDS
	15	21 01 07.3	37.119	N	29.526	E	10	G	4.2		1.3	34	TURKEY. MD 4.4 (ISK), 4.3 (ATH), 3.9 (HLW). Felt in the Cameli area.
	15	21 36 19.4&	62.396	N	149.554	W	59		3.4			69	CENTRAL ALASKA. <AEIC>.
	15	22 23 33.7&	32.953	N	80.146	W	2					11	SOUTH CAROLINA. <GLD>. MD 1.7 (GLD). Felt.
	15	22 41 03.7%	43.901	N	12.020	E	10	G			1.6	7	CENTRAL ITALY. MD 2.6 (ROM).
	16	01 40 33.8	20.132	S	68.638	W	123	D	5.1		1.2	91	CHILE-BOLIVIA BORDER REGION
	16	02 27 32.5%	43.779	N	11.896	E	10	G			0.7	5	CENTRAL ITALY. MD 2.6 (ROM).
	16	03 17 06.0%	32.808	S	70.584	W	33	N			1.2	7	CHILE-ARGENTINA BORDER REGION
	16	04 14 12.6&	60.188	N	150.827	W	40					31	KENAI PENINSULA, ALASKA. <AEIC>.
	16	04 41 32.1	44.306	N	7.328	E	10	G			1.1	21	NORTHERN ITALY. ML 2.3 (GEN), 2.1 (LDG).
	16	04 45 21.3%	44.358	N	7.307	E	10	G			0.4	7	NORTHERN ITALY. ML 1.6 (GEN).
	16	05 04 10.7	41.114	N	22.449	E	10	G			0.3	7	YUGOSLAVIA. MD 1.7 (THE). ML 1.7 (SKO).
	16	05 12 12.5*	32.836	S	71.146	W	68	*			1.6	14	NEAR COAST OF CENTRAL CHILE. Felt (III) at Valparaiso and (II) at Santiago.
	16	06 00 32.2	34.409	N	32.223	E	53	*	3.7		1.0	19	CYPRUS. MD 4.0 (HLW). Felt (III) at Paphos.
o	16	06 04 55.3	13.783	N	90.687	W	69	D	4.8		1.3	103	NEAR COAST OF GUATEMALA. Mo=3.0*10**17 Nm (PPT). Felt (IV) at San Salvador, El Salvador.
	16	08 24 00.4%	37.796	N	29.314	E	10	G			0.7	5	TURKEY. MD 3.1 (ISK).
	16	09 02 09.0	38.552	N	21.853	E	5	G			1.1	16	GREECE. ML 3.2 (ATH).
	16	09 30 13.6?	17.19	N	120.84	E	33	N	4.0		0.8	4	LUZON, PHILIPPINE ISLANDS
	16	12 40 49.5%	43.340	N	13.126	E	10	G			1.0	5	CENTRAL ITALY
	16	12 43 11.0&	59.823	N	153.039	W	128		2.6			29	SOUTHERN ALASKA. <AEIC>.
	16	13 01 09.5?	44.37	N	19.70	E	10	G			1.1	8	YUGOSLAVIA. ML 3.0 (TTG).
	16	13 16 08.0?	32.31	S	71.61	W	10	G			0.1	5	NEAR COAST OF CENTRAL CHILE
	16	13 44 13.2%	38.818	N	13.779	E	5	G			0.9	6	SICILY
	16	13 52 04.6&	40.715	N	127.270	W	5					13	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.2 (BRK).
	16	14 03 05.1&	36.920	N	121.690	W	10					13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	16	14 15 55.0&	32.380	N	115.260	W	6	G				5	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	16	14 42 50.3	41.154	N	23.253	E	10	G			0.4	6	GREECE-BULGARIA BORDER REGION. MD 2.4 (THE).
	16	14 43 24.2%	41.335	N	23.270	E	10	G			0.5	5	GREECE-BULGARIA BORDER REGION. MD 2.1 (THE).
	16	14 45 28.5	41.322	N	23.250	E	5	G			0.8	24	GREECE-BULGARIA BORDER REGION. MD 3.3 (ATH), 3.2 (THE). ML 2.9 (SKO). Felt (III) at Petrich, Bulgaria.
	16	14 49 22.9	38.297	N	141.771	E	62		4.9		1.1	67	NEAR EAST COAST OF HONSHU, JAPAN
	16	15 05 34.9	41.430	N	23.277	E	5	G			0.7	6	GREECE-BULGARIA BORDER REGION
	16	15 41 55.0%	41.319	N	23.264	E	5	G			0.3	6	GREECE-BULGARIA BORDER REGION. MD 2.5 (THE).
	16	17 08 30.5	37 102	N	29.482	E	10	G			1.1	9	TURKEY. MD 4.0 (ISK).
	16	17 12 48.5?	7.97	S	30.37	E	10	G	4.1		0.6	5	LAKE TANGANYIKA REGION. mbLg 3.8 (BUL).
	16	17 45 07.3&	59.714	N	146.839	W	37					55	GULF OF ALASKA. <AEIC>. ML 3.7 (PMR).
	16	18 03 13.4	44.851	N	111.484	W	5	G			0.4	10	HEBGEN LAKE REGION. ML 3.5 (BUT)
	16	18 25 51.1	37.106	N	29.527	E	10	G			1.2	6	TURKEY. MD 3.3 (ISK).
	16	18 35 09.7	37.067	N	29.469	E	10	G			0.4	7	TURKEY. MD 3.5 (ISK).
	16	19 10 39.7%	39.399	N	28.072	E	5	G			0.5	7	TURKEY. MD 2.9 (ISK).
	16	19 14 53.4	25.229	S	178.269	E	571		5.4		0.9	78	SOUTH OF FIJI ISLANDS
	16	19 37 05.5%	43.818	N	12.003	E	10	G			0.5	6	CENTRAL ITALY
	16	20 18 11.0%	37.948	N	16.009	E	10	G			0.7	5	IONIAN SEA
	16	22 58 55.7	23.181	S	69.710	W	80	D	5.0		1.2	35	NORTHERN CHILE. Felt (IV) at Antofagasta, Calamo and Mejillones and (III) at Maria Elena.
	16	23 26 54.9?	34.99	S	104.40	W	10	G	5.0		1.5	21	WEST CHILE RISE
	17	00 38 41.9?	41.06	N	22.50	E	10	G			0.6	4	YUGOSLAVIA. MD 1.5 (THE).
	17	01 17 31.0?	4.20	N	76.58	W	110	G			0.5	7	COLOMBIA. MD 3.3 (UVC).
	17	01 25 59.5%	4.017	N	76.226	W	30	*			0.6	7	COLOMBIA. MD 2.7 (UVC).
	17	03 56 27.3?	31.09	S	177.86	W	33	N	4.3	4.0	1.4	6	KERMADEC ISLANDS REGION
	17	04 05 17.6&	60.639	N	151.764	W	68					38	KENAI PENINSULA, ALASKA. <AEIC>.
	17	05 00 47.3?	22.41	N	144.77	E	33	N	4.3		1.5	11	VOLCANO ISLANDS REGION
	17	05 24 30.6&	61.410	N	146.572	W	21					36	SOUTHERN ALASKA. <AEIC>.
	17	05 50 56.8?	33.33	S	72.48	W	33	N			0.8	7	OFF COAST OF CENTRAL CHILE
	17	06 42 19.2?	7.23	N	72.91	W	110	G	3.6		0.8	10	NORTHERN COLOMBIA
	17	08 04 05.1?	38.30	N	21.14	E	33	N			0.6	4	GREECE
	17	08 12 19.3&	59.041	N	154.140	W	112					38	SOUTHERN ALASKA. <AEIC>.
	17	08 41 56.8?	67.95	N	9.67	E	10	G			0.3	5	NORWEGIAN SEA. MD 3.4 (BER).
	17	09 58 51.0%	39.112	N	27.632	E	10	G			0.6	5	TURKEY. MD 2.6 (ISK).
	17	10 54 07.0	41.497	N	23.578	E	5	G			0.6	10	GREECE-BULGARIA BORDER REGION. MD 2.2 (THE).
	17	11 19 10.6	46.463	N	8.257	E	10	G			1.4	15	SWITZERLAND
	17	12 31 52.9?	40.84	N	22.78	E	10	G			0.0	4	GREECE. MD 1.6 (THE).
	17	12 48 09.0	23.760	N	108.703	W	10	G	4.9	4.2	1.6	45	GULF OF CALIFORNIA
	17	13 01 28.9?	51.44	S	140.56	E	10	G	5.0	5.0	1.4	16	SOUTH OF AUSTRALIA
	17	13 32 12.8	40.006	N	23.293	E	5	G			0.5	10	GREECE. MD 2.3 (THE).
	17	13 55 52.3?	4.44	N	76.29	W	110	G			0.7	7	COLOMBIA. MD 3.3 (UVC).
	17	14 04 11.1	19.769	N	63.624	W	33	N	3.9		0.4	10	LEEWARD ISLANDS. ML 3.9 (FDF).
	17	14 15 11.4?	37.11	N	29.45	E	10	G			1.0	4	TURKEY. MD 3.4 (ISK).
	17	15 49 44.6&	56.866	N	142.824	W	10	G				30	GULF OF ALASKA. <AEIC>.
	17	16 18 22.3*	23.568	N	109.126	W	10	G	3.8		1.4	16	BAJA CALIFORNIA
	17	16 32 10.1*	24.007	N	108.698	W	10	G	4.5		1.5	12	GULF OF CALIFORNIA
a	17	17 22 52.4	23.686	N	108.877	W	10	G	5.2	4.6	1.3	81	GULF OF CALIFORNIA
	17	17 48 13.6*	23.539	N	108.718	W	10	G	3.5		1.4	6	GULF OF CALIFORNIA
	17	18 05 40.1*	44.570	N	17.755	E	10	G			1.3	12	YUGOSLAVIA. MD 3.2 (TRI). ML 2.7 (TTG), 2.7 (ZAG), 2.7 (LJU).
	17	18 23 17.9*	18.037	N	101.750	W	56	D	4.7		1.3	27	GUERRERO, MEXICO. Felt in Guerrero.
o	17	20 11 31.2	5.003	S	151.204	E	144	D	5.6		0.9	214	NEW BRITAIN REGION
	17	20 31 53.4	24.037	N	122.600	E	21		5.4	4.8	0.9	144	TAIWAN REGION
	17	23 05 28.0	15.723	N	122.741	E	33	N	4.4		1.0	21	PHILIPPINE ISLANDS REGION
	17	23 19 29.0	41.160	N	22.380	E	5	G			0.9	14	YUGOSLAVIA. MD 2.4 (THE). ML 1.8 (SKO).
	17	23 46 13.8	46.295	N	13.209	E	10	G			1.3	8	AUSTRIA. ML 2.5 (VIE). MD 2.5 (LJU), 2.4 (TRI).
	17	23 55 04.8&	61.977	N	148.925	W	15					33	SOUTHERN ALASKA. <AEIC>.
	18	01 14 36.4?	4.57	N	76.90	W	33	N			0.8	7	COLOMBIA. MD 2.4 (UVC).
	18	01 35 25.1?	2.17	S	134.20	E	33	N	4.9	5.1	1 7	10	WEST IRIAN REGION
a	18	01 36 26.6	23.692	N	121.346	E	11	D	5.9	5.5	1.1	238	TAIWAN. Mo=3.0*10**17 Nm (PPT).
	18	01 39 04.1*	23.663	N	121.318	E	10	G			0.4	5	TAIWAN
	18	02 11 13.9*	51.474	N	178.437	W	33	N	4.9		1.0	28	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	02 56 19.7	21.690	S	174.292	W	33	N	4.8		1.0	29	TONGA ISLANDS
	18	03 00 47.7%	39.286	N	29.167	E	10	G			1.3	12	TURKEY. MD 3.1 (ISK).

	18	03 29 35.7?	1.50	S	134.58	E	33	N	4.6	4.1	1.7	7	WEST IRIAN REGION
	18	03 43 39.3*	45.026	N	3.008	E	10	G			1.0	8	FRANCE. MD 2.1 (STR). ML 1.9 (LDG).
	18	04 12 39.4?	48.19	N	7.72	E	10	G			0.5	4	FRANCE. ML 2.2 (LDG).
	18	05 12 07.7%	43.077	N	0.707	W	10	G			0.2	7	PYRENEES. MD 1.0 (STR).
	18	05 53 25.3	32.229	S	71.413	W	33	N			0.5	12	NEAR COAST OF CENTRAL CHILE
	18	05 56 33.0*	37.663	N	73.792	E	33	N	4.8		1.3	15	TAJIK SSR
	18	06 43 34.3?	4.99	N	76.39	W	110	G			0.3	5	COLOMBIA. MD 1.9 (UVC).
	18	07 43 56.6	30.778	S	71.412	W	79	*	4.0		1.0	21	NEAR COAST OF CENTRAL CHILE
	18	07 44 43.7	43.490	N	0.618	W	10	G			0.5	16	PYRENEES. MD 2.0 (STR). Felt (IV) in the Lacq area, France.
	18	08 01 58.5%	36.146	N	22.626	E	10	G			0.3	5	SOUTHERN GREECE. MD 3.5 (ATH).
	18	08 24 52.2?	48.63	N	1.36	W	10	G			0.4	5	FRANCE. ML 2.7 (LDG).
	18	08 38 36.2*	58.265	S	25.332	W	33	N	5.1		1.1	12	SOUTH SANDWICH ISLANDS REGION
	18	08 47 33.3?	2.55	N	74.25	W	33	N			0.3	6	COLOMBIA. MD 3.7 (UVC).
	18	09 03 38.3	24.450	S	67.639	W	137	D	4.8		1.5	35	CHILE-ARGENTINA BORDER REGION
	18	09 03 48.2*	51.194	N	16.018	E	10	G			0.5	6	POLAND. ML 3.0 (VKA).
a	18	09 08 20.3	15.092	N	147.649	E	26	D	5.2	4.9	1.0	80	MARIANA ISLANDS REGION
	18	09 32 24.2	16.739	N	146.196	E	80	?	3.9		0.7	8	MARIANA ISLANDS
	18	10 00 34.0*	21.110	S	178.494	W	589	*	5.0		1.3	30	FIJI ISLANDS REGION
	18	10 24 51.6?	37.05	N	29.64	E	10	G			0.9	4	TURKEY. MD 3.2 (ISK).
	18	10 36 01.8?	25.09	S	68.99	W	100	G			1.6	7	CHILE-ARGENTINA BORDER REGION
a	18	10 45 18.4	51.145	S	139.415	E	10	G	5.7	6.3	1.4	170	SOUTH OF AUSTRALIA. Ms 6.2 (BRK).
	18	10 49 56.9	23.747	N	121.290	E	9		5.0	5.5	1.3	60	TAIWAN. Mo=1.6*10**18 Nm (PPT).
	18	10 54 35.3%	23.678	N	121.324	E	10	G			0.1	5	TAIWAN
	18	11 32 41.8?	52.01	S	138.57	E	10	G	4.6		0.4	7	WEST OF MACQUARIE ISLAND
	18	12 38 07.9?	45.84	N	150.56	E	86	?	3.8		1.4	11	KURIL ISLANDS
	18	12 40 09.6*	23.705	N	121.291	E	10	G	4.1		1.5	10	TAIWAN
	18	12 45 54.2?	37.80	N	14.94	E	10	G			1.0	4	SICILY
	18	13 20 22.8?	3.65	N	77.04	W	77	?			0.2	6	NEAR WEST COAST OF COLOMBIA. MD 2.5 (UVC).
	18	14 09 15.3%	42.694	N	19.161	E	10	G			0.4	7	YUGOSLAVIA. ML 1.8 (TTG).
	18	14 16 50.6%	40.012	N	27.813	E	10	G			0.6	5	TURKEY. MD 2.8 (ISK).
	18	14 45 18.7?	2.88	N	77.26	W	33	N			0.3	6	NEAR WEST COAST OF COLOMBIA. MD 2.9 (UVC).
	18	16 15 23.9?	14.96	N	147.62	E	33	N	4.1		0.4	5	MARIANA ISLANDS REGION
	18	16 52 14.4*	9.904	N	92.993	E	101	?	4.3		1.2	13	NICOBAR ISLANDS REGION
	18	18 12 10.2	43.395	N	5.415	E	10	G			0.5	15	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	18	18 36 53.8?	37.07	N	29.52	E	10	G			1.0	4	TURKEY. MD 3.1 (ISK).
	18	20 28 10.3*	7.350	S	126.642	E	342	*	4.4		0.9	14	BANDA SEA
	18	21 14 24.8*	36.945	N	29 684	E	33	N			0.8	5	TURKEY MD 3.3 (ISK).
	18	21 45 12 1%	38.957	N	27.724	E	10	G			1.0	5	TURKEY MD 2.7 (ISK).
	18	21 51 38.3&	63.103	N	149.383	W	92		2.6			40	CENTRAL ALASKA. <AEIC>.
	18	22 28 04.8*	3.101	S	130.605	E	33	N	5.1		0.9	12	CERAM
	18	22 48 23.2?	37 07	N	29 46	E	10	G			1.5	4	TURKEY MD 3.6 (ISK).
	18	22 53 09.2	23.657	N	121.701	E	11		4.8	4.5	1 0	46	TAIWAN
	18	22 56 51.4	45.957	N	2.815	E	10	G			1.1	17	FRANCE. ML 2.7 (LDG).
	19	00 18 54.8*	15.701	N	122.788	E	33	N	4.2		1.2	8	PHILIPPINE ISLANDS REGION
	19	00 39 39.6	25.683	S	70.155	W	71	D	4.8		1.0	33	NEAR COAST OF NORTHERN CHILE
	19	00 57 07.9*	40.651	N	76.134	E	33	N			0.8	7	KIRGHIZ-XINJIANG BORDER REGION
	19	01 53 32.8&	60.582	N	153.028	W	142		2 8			54	SOUTHERN ALASKA. <AEIC>.
	19	02 08 52.4*	3.410	S	12.122	W	10	G	5.0	5.0	1.5	18	NORTH OF ASCENSION ISLAND
	19	02 32 31.5*	3.265	S	12.151	W	10	G	4.5		1.0	13	NORTH OF ASCENSION ISLAND
	19	02 45 12.8?	37.06	N	29.52	E	10	G			1.0	4	TURKEY. MD 3.2 (ISK).
	19	03 06 34.7	4.903	S	131.552	E	18	D	5.1		1.2	22	BANDA SEA
	19	03 07 45.4%	45.700	N	26.768	E	33	N			0.7	6	ROMANIA
	19	03 08 07.2?	4.76	N	76.15	W	110	G			0.4	8	COLOMBIA. MD 3.3 (UVC).
	19	03 10 17.7%	39.783	N	28.969	E	10	G			0.5	5	TURKEY. MD 2.5 (ISK).
	19	03 12 04.1	45.670	N	6.102	E	5	G			0.8	12	FRANCE. ML 2.7 (LDG).
	19	03 25 09.3&	37.743	N	122.147	W	2					10	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=3.6*10**13 Nm (BRK).
	19	03 48 35.6?	34.41	N	24.99	E	10	G			0.0	4	CRETE. MD 3.7 (ATH).
	19	04 00 54.5%	42.154	N	12.965	E	10	G			0.6	7	CENTRAL ITALY
	19	04 09 46.4	39.949	N	20.681	E	5	G			1.4	6	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	19	04 21 00.3?	17.92	S	178.25	W	550	G	4.7		1.1	12	FIJI ISLANDS REGION
	19	06 07 03.1&	60.393	N	152.097	W	80					40	SOUTHERN ALASKA. <AEIC>.
	19	06 14 09.7%	44.602	N	7.001	E	10	G			0.6	11	NORTHERN ITALY. ML 2.0 (GEN).
	19	06 44 30.6&	60.369	N	153.058	W	138					65	SOUTHERN ALASKA. <AEIC>.
	19	07 26 33.3?	7.08	N	73.12	W	140	G	3.5		0.3	7	NORTHERN COLOMBIA
	19	07 39 23.2*	18.330	N	120.738	E	33	N			1.1	5	LUZON, PHILIPPINE ISLANDS. Felt (II RF) at Pasuquin.
	19	07 42 26 6%	44.588	N	7.000	E	10	G			0.2	8	NORTHERN ITALY. ML 2.1 (GEN).
	19	07 43 32.3	44.584	N	6.999	E	10	G			0.9	13	FRANCE. ML 2.4 (LDG).
	19	07 53 11.6*	7.173	S	128.577	E	72	?	4.5		0.4	10	BANDA SEA
	19	08 11 08.7%	44.575	N	6.985	E	10	G			0.4	6	FRANCE. ML 1.9 (GEN).
	19	08 18 11.9*	8.452	S	123.947	E	33	N	4.6		1.3	7	FLORES ISLAND REGION
	19	08 46 34.0	40.849	N	22.785	E	10	G			0.4	6	GREECE. ML 1.7 (SKO). MD 1.6 (THE).
	19	09 33 49.6?	51.34	N	178.13	W	33	N	4.1		1.1	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	19	09 37 36.0	44.605	N	7.045	E	11				0.3	23	NORTHERN ITALY. ML 2.3 (GEN), 2.2 (LDG).
	19	10 00 35.9*	2.508	N	128.267	E	33	N	4.9		1.0	11	HALMAHERA
	19	10 07 39.7	42.771	N	19.200	E	10	G			0.7	8	YUGOSLAVIA. MD 2.0 (TTG).
	19	10 08 25.2	26.012	N	60.762	E	33	N	4.8		0.8	57	SOUTHERN IRAN
	19	10 29 23.1?	43.63	N	13.70	E	5	G			0.8	4	CENTRAL ITALY
	19	12 01 57.3*	59.049	S	25.716	W	33	N	5.2		1.4	29	SOUTH SANDWICH ISLANDS REGION
	19	12 19 30.6?	5.19	N	76.51	W	90	G			0.5	7	COLOMBIA. MD 3.7 (UVC).
	19	12 27 57.9	15.109	N	147.696	E	33	N	4.2		0.5	17	MARIANA ISLANDS REGION
	19	12 28 43.3?	23.14	N	124.11	E	33	N	4.3		0.5	5	SOUTHWESTERN RYUKYU ISLANDS
	19	12 39 16.1	45.053	N	3.008	E	10	G			1.1	16	FRANCE. ML 2.5 (LDG).
	19	13 15 40.2	9.881	N	126.551	E	57	*	4.9		1.0	37	MINDANAO, PHILIPPINE ISLANDS
	19	13 24 09.4	23.614	N	121.742	E	10	G	4.4		1.4	37	TAIWAN. ML 4.7 (BJI).
	19	13 30 52.2*	7.352	S	129.178	E	150	*	4.8		1.4	14	BANDA SEA
	19	13 33 39.0*	31.455	S	178.323	W	33	N	5.4		1.5	22	KERMADEC ISLANDS REGION
	19	13 37 52.4%	46.915	N	1.433	E	10	G			0.2	7	FRANCE ML 2.1 (LDG).
	19	13 52 19.8	23.620	N	121.751	E	10	G	4.2		1.1	17	TAIWAN. ML 4.2 (BJI).
	19	14 05 18.1*	41.260	N	23.181	E	10	G			0.2	5	GREECE-BULGARIA BORDER REGION. MD 2.0 (THE).
	19	14 42 30.5?	39.77	N	28.62	E	10	G			0.1	4	TURKEY MD 2.6 (ISK).
	19	14 45 36.1?	15.97	S	173.10	W	33	N			0.9	8	TONGA ISLANDS

	19	14 47 17.8*	56.211	S	25.659	W	33	N	5.4		1.1	35	SOUTH SANDWICH ISLANDS REGION
	19	14 59 39.1&	58.192	N	142.665	W	10	G	3.2			16	GULF OF ALASKA. <AEIC>.
	19	15 56 55.8	15.398	N	121.238	E	42	*	4.9	4.2	1.1	34	LUZON, PHILIPPINE ISLANDS
	19	15 59 45.6*	23.710	N	121.133	E	10	G	4.0		0.6	5	TAIWAN
	19	16 10 58.5%	44.103	N	10.671	E	10	G			0.6	6	NORTHERN ITALY
	19	16 58 51.7?	42.92	N	0.12	E	5	G			1.4	5	PYRENEES. ML 2.5 (LDG).
	19	17 09 57.5	43.995	N	7.487	E	10	G			0.2	14	NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN), 1.9 (LDG).
	19	17 32 37.4	39.411	N	28.027	E	17				0.9	37	TURKEY. ML 4.0 (ATH). MD 3.9 (ISK), 3.8 (THE).
	19	17 51 35.3	27.872	N	139.102	E	554		4.8		0.8	90	BONIN ISLANDS REGION
	19	18 06 37.4&	62.678	N	150.729	W	81					29	CENTRAL ALASKA. <AEIC>.
	19	18 20 07.1	40.202	N	25.310	E	15				0.9	15	AEGEAN SEA. MD 3.1 (ATH), 2.9 (THE).
	19	20 15 04.5?	40.03	N	23.83	E	5	G			0.7	6	GREECE. MD 2.3 (THE).
	19	20 42 09.4*	45.015	N	3.107	E	10	G			1.0	10	FRANCE. MD 1.9 (STR). ML 1.8 (LDG).
	19	21 01 12.3%	65.565	N	18.045	E	10	G			1.2	5	SWEDEN. MD 2.8 (BER).
	19	21 14 54.3	41.097	N	22.310	E	5	G			0.3	11	YUGOSLAVIA. MD 2.3 (THE). ML 2.2 (SKO).
	19	21 19 41.5?	4.84	N	76.09	W	90	G			0.8	7	COLOMBIA. MD 2.9 (UVC).
	19	21 36 05.7&	60.087	N	153.185	W	0		3.3			37	SOUTHERN ALASKA. <AEIC>.
	19	21 44 00.6	22.558	S	179.560	W	600	*	5.0		0.9	40	SOUTH OF FIJI ISLANDS
	19	22 00 49.2	41.502	N	141.426	E	84	*	4.5		1.0	51	HOKKAIDO, JAPAN REGION
	19	22 28 27.2?	5.61	S	105.69	E	33	N	4.8		1.4	10	SUNDA STRAIT
a	19	22 56 26.0	5.576	S	148.331	E	163	G	5.9		1.0	271	NEW BRITAIN REGION. Depth from broadband displacement seismograms.
	19	23 11 49.5	7.434	S	128.209	E	146		5.3		1.0	78	BANDA SEA
	19	23 43 19.3	34.607	N	22.519	E	36		4.2		1.2	123	MEDITERRANEAN SEA. MD 4.4 (THE), 4.4 (HLW), 4.3 (ATH).
	20	00 01 37.6%	39.433	N	27.977	E	10	G			1.1	6	TURKEY. MD 2.7 (ISK).
a	20	00 09 54.1	3.158	S	12.278	W	10	G	5.3	4.8	0.9	75	NORTH OF ASCENSION ISLAND
	20	00 25 41.7?	10.92	N	61.81	W	33	N			0.3	5	TRINIDAD. MD 3.0 (TRN).
	20	01 32 34.1?	48.64	N	1.36	W	10	G			0.2	4	FRANCE. ML 1.9 (LDG).
	20	01 43 52.4?	48.65	N	1.43	W	10	G			0.3	4	FRANCE. ML 2.5 (LDG).
	20	01 45 14.7?	48.69	N	1.54	W	10	G			0.0	4	FRANCE. ML 2.1 (LDG).
	20	01 45 54.8?	48.65	N	1.44	W	10	G			0.2	4	FRANCE. ML 2.3 (LDG).
	20	02 36 42.5?	33.44	S	72.29	W	33	N			1.1	6	OFF COAST OF CENTRAL CHILE
	20	04 19 38.6*	4.303	S	144.363	E	158	*	4.6		0.9	9	NEAR N COAST OF PAPUA NEW GUINEA
	20	04 40 38.7%	40.242	N	29.269	E	10	G			0.1	6	TURKEY. MD 2.5 (ISK).
	20	04 42 58.0?	41.20	N	23.16	E	10	G			0.1	4	GREECE-BULGARIA BORDER REGION. MD 1.6 (THE).
	20	06 22 26.7?	41.22	N	23.17	E	10	G			0.4	4	GREECE-BULGARIA BORDER REGION. MD 1.4 (THE).
	20	06 41 10.3	53.058	N	173.006	E	33	N	4.4		0.7	25	NEAR ISLANDS, ALEUTIAN ISLANDS
	20	07 31 08.9?	15.96	N	60.40	W	10	G			0.1	5	LEEWARD ISLANDS. ML 2.5 (FDF)
	20	08 00 15.0	61.290	N	150.751	W	67		4.5		1.0	105	SOUTHERN ALASKA. Felt (IV) at Anchorage, Kashwitna, Palmer and Wasilla. Felt (III) at Eagle River.
	20	09 22 24.9	36.268	N	26 401	E	151		4.1		0.7	26	DODECANESE ISLANDS. MD 3.5 (ATH).
	20	09 26 35.2	40.620	N	23.331	E	10	G			1.0	17	GREECE. MD 2.7 (THE).
	20	10 29 09.1%	43.795	N	11.971	E	5	G			0.4	7	CENTRAL ITALY. MD 2.6 (ROM).
	20	10 42 16.2%	44.385	N	6.839	E	10	G			0.3	5	FRANCE. ML 1.8 (GEN).
	20	11 07 29.4	43.453	N	147.299	E	59	D	5.3		0.9	131	KURIL ISLANDS. Felt (III) at Kurilsk.
o	20	11 32 52.1	21.235	S	170.029	E	78	G	5.8		1.2	192	LOYALTY ISLANDS REGION. Depth from broadband displacement seismograms.
	20	11 51 23.3?	39.39	N	28.04	E	10	G			0.9	4	TURKEY. MD 2.8 (ISK).
	20	12 22 17.4*	44.662	N	8.353	E	10	G			0.9	11	NORTHERN ITALY. ML 2.3 (LDG), 2.2 (GEN).
	20	12 35 40.9&	57.765	N	150.725	W	48	G	2.5			35	GULF OF ALASKA. <AEIC>.
	20	12 43 17.0	31.532	N	77.463	E	33	N	4.9		1.0	57	NORTHERN INDIA. ML 4.5 (NDI). Felt in Himachal Pradesh.
	20	13 07 13.9%	37.044	N	31.213	E	33	N			0.2	5	TURKEY
	20	13 23 05.2	27.996	S	66.803	W	177	*	3.8		1.0	16	CATAMARCA PROVINCE, ARGENTINA
	20	13 27 07.0?	44.86	N	3.30	E	10	G			0.9	7	FRANCE. ML 2.1 (LDG).
	20	13 27 41.4	44.978	N	3.312	E	10	G			1.2	14	FRANCE. MD 2.8 (STR). ML 2.8 (LDG).
	20	13 31 44.4*	45.106	N	3.128	E	10	G			0.9	9	FRANCE. ML 2.2 (LDG). MD 2.1 (STR).
	20	13 45 11.4*	48.693	N	149.245	E	426	*	4.2		0.7	15	NORTHWEST OF KURIL ISLANDS
	20	14 59 02.5?	44.54	N	6.55	E	10	G			0.3	5	FRANCE. ML 2.3 (GEN).
	20	16 05 08.7%	38.123	N	23.175	E	10	G			0.2	5	GREECE. MD 2.8 (ATH).
	20	16 24 52.9?	4.96	N	73.58	W	33	N	3.6		1.5	9	COLOMBIA
	20	16 25 49.1?	47.37	N	7.18	E	10	G			0.2	4	SWITZERLAND. ML 2.2 (LDG).
	20	17 00 13.0&	62.359	N	150.284	W	10					30	CENTRAL ALASKA <AEIC>.
	20	17 12 34.8%	38.151	N	23.242	E	10	G			1.6	6	GREECE. ML 2.9 (ATH).
	20	17 16 13.2%	38.146	N	23.196	E	10	G			0.4	5	GREECE. MD 2.8 (ATH).
	20	17 31 54.2%	37.823	N	29.069	E	10	G			1.3	6	TURKEY. MD 3.0 (ISK).
	20	18 51 29.9	6.859	N	73.071	W	166		4.3		1.0	22	NORTHERN COLOMBIA
	20	18 54 33.6	23.836	N	121.663	E	21		5.0	4.5	1.0	83	TAIWAN. ML 5.1 (BJI). Mo=1.6*10**18 Nm (PPT).
	20	19 02 22.0	45.773	N	9.993	E	10	G			1.5	17	NORTHERN ITALY. ML 2.6 (LDG), 2.4 (VIE).
	20	19 20 35.8	45.692	N	10.016	E	10	G			1.2	20	NORTHERN ITALY. ML 2.7 (LDG), 2.5 (VIE).
	20	19 27 09.3%	59.577	N	5.699	E	10	G			0.7	8	SOUTHERN NORWAY. MD 2.5 (BER).
	20	19 44 58.8*	23.399	N	69.708	E	33	N	4.9		1.4	8	INDIA
	20	19 49 45.3%	38.176	N	23.200	E	10	G			0.2	5	GREECE. MD 2.9 (ATH).
	20	19 59 12.8	38.157	N	23.388	E	33	N			0.8	7	GREECE. ML 2.8 (ATH).
	20	20 00 10.8%	38.186	N	23.162	E	10	G			1.4	5	GREECE. MD 3.1 (ATH).
	20	21 02 08.2&	35.100	N	118.317	W	6	G				4	CENTRAL CALIFORNIA. <PAS-P>. ML 2.5 (PAS).
	20	21 35 54.7?	37.07	N	29.49	E	10	G			0.4	4	TURKEY
	20	21 37 09.4*	42.514	N	83.220	E	33	N	4.2		1.5	13	NORTHERN XINJIANG, CHINA. ML 4.3 (BJI).
	20	22 08 16.5?	5.94	S	147.12	E	74	?	3.8		0.3	7	EAST PAPUA NEW GUINEA REGION
	20	22 19 11.0%	40.622	N	28.977	E	10	G			0.7	5	TURKEY. MD 2.4 (ISK).
	20	22 20 05.9?	3.46	N	95.42	E	33	N	4.8		0.8	9	OFF W COAST OF NORTHERN SUMATERA
	20	22 47 51.3?	37.06	N	29.45	E	10	G			0.2	4	TURKEY. MD 3.6 (ISK).
	20	23 22 20.6*	31.660	S	71.352	W	77	*	4.5		1.5	26	NEAR COAST OF CENTRAL CHILE
	20	23 37 17.5?	48 02	N	146.32	E	473	*	3.8		1.2	11	SEA OF OKHOTSK
	21	00 16 13.3	25.204	N	122.299	E	217		4.6		0.8	27	TAIWAN REGION
	21	00 21 48.4	38.301	N	22.106	E	10	G			0.9	10	GREECE. ML 3.0 (ATH).
	21	00 23 44.8?	1.88	S	100.40	E	68	?	5.0		0.2	9	SOUTHERN SUMATERA
	21	00 29 13.7?	37.08	N	29 45	E	10	G			0.8	4	TURKEY. MD 3.4 (ISK).
	21	00 30 23.9%	38.172	N	23.229	E	10	G			0 3	5	GREECE. ML 2.5 (ATH).
	21	01 46 15.5?	9.13	S	124.37	E	192	?	4.6		1 1	7	TIMOR
	21	01 50 51.4	23.616	N	121.391	E	10		4.4		1 2	24	TAIWAN
	21	02 47 27.8&	35.767	N	120.333	W	6	G				4	CENTRAL CALIFORNIA. <PAS-P>. MI 2.7 (PAS).
	21	02 50 24.0	36.659	N	26.292	E	33	N	4.0		1.0	16	DODECANESE ISLANDS. ML 4.1 (ATH).
	21	03 24 43.8%	3.860	N	77.021	W	33	N			0.3	7	NEAR WEST COAST OF COLOMBIA. MD 2.9 (UVC).

	21	03 50 28.5%	43.834	N	11.942	E	10	G			1.0	5	CENTRAL ITALY
	21	04 04 00.7	51.588	N	16.108	E	10	G	3.3		0.7	13	POLAND. ML 3.7 (GRF).
	21	04 55 05.1?	18.48	N	66.10	W	33	N			0.6	4	PUERTO RICO REGION
	21	05 52 05.0*	55.215	S	129.130	W	10	G	4.9	5.7	1.4	21	SOUTH PACIFIC CORDILLERA. Mo=3.0*10**18 Nm (PPT).
	21	06 17 09.9?	36.94	N	29.54	E	10	G			1.1	4	TURKEY. MD 3.1 (ISK).
	21	06 25 57.6&	61.437	N	148.568	W	32					35	SOUTHERN ALASKA. <AEIC>.
	21	06 28 56.4?	36.78	N	29.35	E	10	G			1.3	4	TURKEY
	21	06 29 40.3%	3.267	N	76.799	W	19	*			0.5	7	COLOMBIA. MD 2.8 (UVC).
	21	06 39 06.7	40.848	N	22.787	E	10	G			0.4	6	GREECE. ML 1.8 (SKO).
	21	07 36 57.1	8.439	N	127.631	E	33	N	5.1	4.0	1.1	33	PHILIPPINE ISLANDS REGION
	21	07 56 57.5?	16.39	N	61.23	W	33	N			0.6	4	LEEWARD ISLANDS. ML 1.9 (FDF).
	21	10 05 13.9	28.192	S	70.727	W	54	D	5.0		1.1	61	CENTRAL CHILE
	21	10 51 00.3*	15.451	N	121.275	E	33	N			0.5	5	LUZON, PHILIPPINE ISLANDS
	21	11 32 36.9&	60.038	N	152.803	W	105					61	SOUTHERN ALASKA. <AEIC>.
	21	11 55 37.6&	42.470	N	111.496	W	1					10	EASTERN IDAHO. <SLC-P>. ML 2.8 (SLC).
	21	12 56 50.7?	2.93	N	79.25	W	10	G	3.5		0.4	7	SOUTH OF PANAMA
	21	13 28 14.6%	44.380	N	7.373	E	10	G			0.4	5	NORTHERN ITALY
	21	14 03 05.5	37.084	N	29.511	E	15				0.8	16	TURKEY. MD 3.9 (ISK), 3.8 (ATH).
	21	14 47 41.9	6.104	S	142.041	E	33	N	4.9	4.4	1.4	29	PAPUA NEW GUINEA
	21	14 56 14.6?	2.89	N	74.80	W	33	N			0.7	8	COLOMBIA. MD 3.7 (UVC).
	21	15 31 22.5*	13.083	S	167.279	E	191	?	4.8		1.0	62	VANUATU ISLANDS
	21	15 55 52.3&	61.286	N	146.826	W	33					63	SOUTHERN ALASKA. <AEIC>. ML 3.6 (PMR). Felt (III) at Valdez.
	21	16 05 09.4?	7.37	N	94.12	E	71	?	4.6		1.7	19	NICOBAR ISLANDS REGION
	21	16 10 02.0%	39.484	N	3.781	W	10	G			0.7	5	SPAIN. mbLg 2.7 (MDD).
	21	16 28 44.3&	36.210	N	120.828	W	9					11	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK), 2.7 (PAS).
	21	16 53 22.6	1.120	N	127.372	E	159	*	5.3		1.0	83	HALMAHERA
	21	17 04 56.0?	0.07	S	79.51	W	33	N			0.9	7	ECUADOR
	21	17 27 15.5?	51.28	N	15.91	E	10	G			0.9	5	POLAND
	21	18 02 39.4	23.610	N	121.364	E	11		4.7	4.3	1.1	58	TAIWAN
	21	18 19 25.6	23.638	N	121.409	E	13		3.4		0.2	8	TAIWAN
	21	19 46 17.9	39.101	N	20.548	E	10	G			1.4	8	GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH).
	21	21 01 14.5*	46.243	N	152.648	E	33	N	5.0		1.3	19	KURIL ISLANDS
	21	21 10 54.6?	43.23	N	12.58	E	10	G			0.6	4	CENTRAL ITALY
	21	21 11 07.7*	6.991	S	154.665	E	44	*	5.0	4.2	0.8	29	SOLOMON ISLANDS
	21	21 18 22.6	43.441	N	5.451	E	9				0.5	15	NEAR SOUTH COAST OF FRANCE. MD 2.9 (STR).
	21	21 24 23.8	41.087	N	22.489	E	10	G			0.8	7	YUGOSLAVIA. ML 1.7 (SKO).
	21	21 31 34.6	34.661	N	141.641	E	43	*	4.7	4.5	1.1	53	OFF EAST COAST OF HONSHU, JAPAN
	21	21 34 06.8	41.103	N	22.482	E	10	G			0.4	8	YUGOSLAVIA. ML 2.1 (SKO).
	21	22 03 09.8	41.094	N	22 482	E	10	G			0.5	8	YUGOSLAVIA. ML 2.3 (SKO).
	21	22 09 43.0	41.089	N	22 443	E	10	G			1.0	12	YUGOSLAVIA. ML 2.7 (SKO).
	21	22 13 48.6	23 646	N	121 338	E	10	G	4.1		1.0	11	TAIWAN
	21	22 26 58.3%	43.828	N	11 994	E	10	G			0.8	8	CENTRAL ITALY. MD 2.6 (ROM).
	21	23 15 57.9*	36.479	N	71.546	E	116	?	4.7		1.1	11	AFGHANISTAN-USSR BORDER REGION
	22	00 16 53.3?	7.49	S	128.64	E	156	?	4.8		1.2	9	BANDA SEA
	22	00 42 06.6&	60.002	N	151.537	W	55					37	KENAI PENINSULA, ALASKA. <AEIC>.
	22	00 44 07.8%	19.927	S	133.882	E	5	G			1.1	8	NORTHERN TERRITORY, AUSTRALIA. ML 3 6 (QIS).
	22	01 02 03.2%	3.761	N	76.875	W	33	N			0.3	7	COLOMBIA. MD 2.4 (UVC).
	22	01 32 05.8	47.567	N	7.509	E	10	G			0.6	10	SWITZERLAND. ML 2.3 (LDG).
	22	01 57 55.2?	5.56	S	127.81	E	407	?	4.7		1.2	5	BANDA SEA
	22	02 13 44.6%	46.971	N	1.455	E	10	G			0.7	10	FRANCE. ML 1.9 (LDG).
	22	02 36 53.5?	43.82	N	11.93	E	10	G			0.7	4	CENTRAL ITALY
	22	02 41 05.5	53.621	N	169.736	E	33	N	4.7		0.9	42	KOMANDORSKY ISLANDS REGION
	22	02 49 35.1	43.478	N	0.610	W	10	G			0.7	22	PYRENEES. ML 3.4 (LDG). Felt (IV) in the Lacq area, France.
	22	04 05 17.9?	16.02	N	60.96	W	33	N			0.2	5	LEEWARD ISLANDS. ML 2.3 (FDF).
	22	04 59 44.9*	41.092	N	19.143	E	10	G			0.4	9	ALBANIA. ML 2.5 (TTG).
	22	05 17 01.9?	4.75	N	76.91	W	33	N			0.5	7	COLOMBIA. MD 2.8 (UVC).
	22	06 24 19.8%	3.593	N	76.326	W	29	*			0.2	6	COLOMBIA. MD 2.4 (UVC).
	22	07 16 15.7?	24.75	N	123.47	E	70	G			0.5	7	SOUTHWESTERN RYUKYU ISLANDS
	22	07 27 10.6%	46.929	N	1.420	E	10	G			0.8	13	FRANCE. ML 2.7 (LDG).
	22	07 59 37.5&	60.131	N	152.392	W	85		2.6			42	SOUTHERN ALASKA. <AEIC>.
	22	11 34 21.5%	44.567	N	7.172	E	10	G			0.2	7	NORTHERN ITALY
	22	11 39 29.8*	19.692	S	68.060	W	192	*	4.3		1.0	19	CHILE-BOLIVIA BORDER REGION
	22	12 04 22.5*	35.574	N	52.402	E	13		4.6		0.7	17	IRAN
	22	12 16 50.7&	61.758	N	146.839	W	40		3.6			65	SOUTHERN ALASKA. <AEIC>. ML 4.5 (PMR). Felt (III) at Anchorage, Palmer and Valdez.
	22	12 39 03.7*	41.002	N	114.707	W	5	G			0.6	6	NEVADA. ML 3.4 (NEIS). Felt (III) at Wells.
	22	14 33 29.8%	15.972	N	60.859	W	10	G			0.4	6	LEEWARD ISLANDS. ML 2.4 (FDF).
	22	14 36 02.2?	60.55	N	4.83	E	10	G			0.5	4	SOUTHERN NORWAY
	22	16 08 29.5?	32.74	S	69.80	W	157	*			0.7	14	MENDOZA PROVINCE, ARGENTINA
	22	16 14 18.4%	46.094	N	2.869	E	10	G			0.6	9	FRANCE. ML 2.0 (LDG).
	22	16 27 40.5	38.219	S	73.342	W	10	G	5.1		1.0	58	NEAR COAST OF CENTRAL CHILE. Felt (V) on Mocha Island.
	22	18 25 40.6	38.130	N	23.263	E	10	G			1.2	8	GREECE. ML 2.7 (ATH).
	22	18 31 26.8	36.042	N	137.577	E	10	G			0.7	6	HONSHU, JAPAN
	22	18 40 57.6*	23.600	N	121.395	E	10	G	3.6		1.4	8	TAIWAN
	22	18 49 10.3*	10.259	S	118.968	E	33	N	4.2		1.1	8	SOUTH OF SUMBAWA ISLAND
	22	21 00 26.4	38.174	N	143.346	E	15		4.7	4.4	1.0	41	OFF EAST COAST OF HONSHU, JAPAN
	22	21 16 59.7?	12.18	N	61.70	W	130	G			0.7	5	WINDWARD ISLANDS. MD 3.1 (TRN).
	22	21 35 04.7	38.253	N	143.147	E	35	*	4.7		0.9	42	OFF EAST COAST OF HONSHU, JAPAN
	22	21 38 18.4*	36.595	N	71.087	E	171	?	3.6		0.3	8	AFGHANISTAN-USSR BORDER REGION
	22	21 39 32.4*	23.856	S	179 605	E	503	*	5.3		1.1	39	SOUTH OF FIJI ISLANDS
	22	21 53 01.7*	8.294	S	119.822	E	192	*	4.8		1.2	17	FLORES ISLAND REGION
	22	21 58 13.9%	40.211	N	29.032	E	10	G			0.3	6	TURKEY
	22	22 35 23.9	45.606	N	14.240	E	10	G			1.3	8	YUGOSLAVIA. MD 2.5 (LJU), 2.3 (TRI).
	22	23 47 44.3	23.648	N	121.372	E	10	G	3.3		0.5	6	TAIWAN
	23	01 00 21.9?	24.44	S	67.07	W	161	?	4.0		1.0	10	CHILE-ARGENTINA BORDER REGION
	23	01 05 06.7	4.712	N	76.230	W	117		4.9		1.1	124	COLOMBIA. Felt at Armenia, Cali, Manizalez and Pereira.
f	23	01 12 29.7	51.965	N	178.838	E	108	G	5.7		1.1	450	RAT ISLANDS, ALEUTIAN ISLANDS. Mo=5.0*10**18 Nm (PPT). Felt (V) on Amchitka and (IV) on Adak. Depth from broadband displacement seismograms.
	23	01 15 38.1%	46.955	N	1.411	E	10	G			0.6	10	FRANCE. ML 1.8 (LDG).
	23	01 30 57.1*	43.319	N	0.996	W	10	G			1.3	10	PYRENEES. ML 2.2 (LDG), MD 2.0 (STR).

	23	02 27 31.7?	4.32	N	76.98	W	33	N			0.3	6	COLOMBIA. MD 2.6 (UVC).
	23	05 39 09.5	7.246	S	76.284	W	136	*	4.3		1.1	22	NORTHERN PERU
	23	05 44 08.9	38.347	N	22.178	E	10	G			1.2	6	GREECE. ML 3.0 (ATH).
	23	06 07 08.2	24.733	N	95.232	E	115	D	5.3		1.1	239	BURMA. Felt at Shillong, India.
	23	06 34 21.3	43.406	N	5.451	E	10	G			0.5	7	NEAR SOUTH COAST OF FRANCE. MD 2.9 (STR).
	23	07 58 51.7?	15.97	N	60.96	W	33	N			0.2	4	LEEWARD ISLANDS. ML 2.1 (FDF).
	23	08 26 54.0	37.741	N	22.705	E	10	G			1.3	8	SOUTHERN GREECE. ML 2.7 (ATH).
	23	08 54 56.2?	45.69	N	26.67	E	130	G			0.6	5	ROMANIA
	23	08 58 58.2*	45.937	N	14.432	E	10	G			0.5	5	YUGOSLAVIA. MD 2.3 (TRI), 2.2 (LJU).
	23	09 25 23.5&	37.946	N	88.860	W	5					22	SOUTHERN ILLINOIS <SLM-P>. mbLg 3.0 (NEIS). Felt (V) at Whittington; (IV) at Logan and West Frankfort; (III) at Benton, Buckner, Orient and Sesser.
	23	10 35 00.7	39.935	N	24.054	E	10		4.0		0.9	58	AEGEAN SEA. ML 3.8 (ATH) Felt on the Khalkidhiki Peninsula, Greece.
	23	11 05 06.3?	20.31	S	168.02	E	33	N	4.3		1.3	12	LOYALTY ISLANDS
	23	11 10 15.5	42.412	N	19.402	E	10	G			0.9	10	YUGOSLAVIA. ML 2.6 (TTG).
	23	12 59 05.5*	12.997	S	74.188	W	33	N	3.6		0.2	6	PERU
	23	14 03 59.2*	24.421	N	91.739	E	33	N			0.4	7	INDIA-BANGLADESH BORDER REGION
	23	14 08 33.0*	32.463	S	71.845	W	24				0.9	12	NEAR COAST OF CENTRAL CHILE
	23	14 08 56.0?	47.43	N	9.27	E	10	G			0.1	4	GERMANY. ML 2.7 (LDG).
	23	14 18 52.6*	1.388	N	78.943	W	25				0.6	15	COLOMBIA-ECUADOR BORDER REGION. MD 4.4 (UVC).
	23	14 30 10.4?	44.78	N	7.20	E	10	G			0.1	4	NORTHERN ITALY
	23	14 41 43.2%	44.357	N	10.438	E	10	G			0.9	5	NORTHERN ITALY
	23	15 16 39.7	12.680	N	86.272	W	15	D	5.1	5.0	1.2	70	NICARAGUA. Felt in the Managua area. Felt at Tegucigalpa, Honduras.
	23	15 45 36.4*	61.896	N	3.995	E	10	G			1.5	9	NORWEGIAN SEA. MD 3.1 (BER).
	23	16 35 34.8?	4.78	N	76.19	W	110	G			0.4	9	COLOMBIA. MD 3.7 (UVC).
	23	17 14 05.5*	36.261	N	31.400	E	10	G			0.8	6	TURKEY
	23	17 17 05.1	44.788	N	112.709	W	5	G			0.5	10	EASTERN IDAHO. ML 3.0 (BUT).
	23	17 58 59.6%	3.785	N	76.722	W	39	?			0.4	8	COLOMBIA. MD 3.0 (UVC).
	23	18 19 00.8*	14.962	S	167.012	E	118	*	5.0		1.4	9	VANUATU ISLANDS
	23	18 26 36.6*	34.719	N	141.790	E	33	N	4.4		1.1	9	OFF EAST COAST OF HONSHU, JAPAN
	23	19 10 54.2?	39.80	S	71.29	W	33	N			0.6	10	S. CHILE-ARGENTINA BORDER REGION
	23	19 40 01.4*	31.699	S	71.502	W	33	N			0.6	9	NEAR COAST OF CENTRAL CHILE
	23	20 57 21.8&	60.102	N	153.576	W	159					26	SOUTHERN ALASKA. <AEIC>.
	23	23 12 19.6	44.635	N	6.794	E	10	G			0.7	26	FRANCE. ML 2.4 (LDG).
	24	00 16 26.7%	40.386	N	28.731	E	10	G			0.3	6	TURKEY. MD 2.5 (ISK).
	24	01 15 20.6?	40.38	N	27.38	E	10	G			0.9	4	TURKEY. MD 2.8 (ISK).
	24	01 17 17.6	23.640	N	121.330	E	10	G	4.2		1.1	11	TAIWAN
	24	02 05 40.7	43.351	N	19.500	E	10	G			1.1	11	YUGOSLAVIA. ML 2.5 (TTG).
	24	03 03 30.5%	46.145	N	0.045	W	10	G			0.8	8	FRANCE. ML 2.2 (LDG).
	24	03 52 02.2?	4.35	N	76.64	W	63	?			0.6	7	COLOMBIA. MD 3.0 (UVC).
	24	04 01 23.6	23.628	N	121.360	E	10	G	3.9		1.2	15	TAIWAN
	24	04 25 49.1%	39.060	N	23.752	E	10	G			0.7	9	AEGEAN SEA
	24	05 00 26.9&	36.378	N	97.300	W	5					14	OKLAHOMA. <TUL>. mbLg 2.9 (TUL), 3.0 (NEIS). Felt (V) at Perry and (IV) at Red Rock. Felt throughout most of Noble County and in ports of Garfield County.
	24	05 12 30.4*	39.441	N	25.006	E	10	G			1.4	8	AEGEAN SEA
	24	05 46 08.6?	5.83	S	105.47	E	33	N	4.7		0.6	9	SUNDA STRAIT
	24	07 39 50.0	39.353	N	25.036	E	14				0.9	12	AEGEAN SEA. ML 3.5 (ATH).
	24	07 54 09.7%	3.230	N	76.570	W	48	?			0.4	8	COLOMBIA. MD 3.0 (UVC).
	24	08 23 26.2?	51.02	N	19.56	E	10	G	4.3		1.3	7	POLAND. ML 4.0 (GRF), 3.6 (BRA).
	24	08 46 51.2?	44.78	N	15.19	E	10	G			1.2	5	YUGOSLAVIA. ML 1.5 (LJU). Felt at Otocac and Lika.
	24	09 19 01.2	13.280	S	167.189	E	259	?	4.8		0.9	22	VANUATU ISLANDS
	24	09 42 43.8	23.134	N	142.248	E	145	D	4.9		0.8	71	VOLCANO ISLANDS REGION
	24	09 45 14.7?	4.05	N	77.31	W	33	N			0.4	7	NEAR WEST COAST OF COLOMBIA. MD 2.9 (UVC).
	24	11 03 27.4%	43.450	N	5.463	E	10	G			0.4	7	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	24	12 07 58.0	34.923	N	104.324	E	33	N	4.0		0.8	10	GANSU PROVINCE, CHINA. ML 4.1 (BJI).
	24	12 55 51.2	13.138	S	23.227	E	10	G	4.9	4.0	0.9	54	ZAMBIA
	24	14 06 43.4	40.674	N	28.348	E	10	G			0.7	10	TURKEY. MD 3.1 (ISK).
	24	14 56 03.2%	19.999	S	133.871	E	5	G			0.6	7	NORTHERN TERRITORY, AUSTRALIA
	24	15 13 20.3?	41.11	N	28.75	E	10	G			0.6	4	TURKEY. MD 2.7 (ISK).
	24	16 32 33.2	37.104	N	31.007	E	116	*			0.7	14	TURKEY. MD 3.7 (ISK).
	24	16 48 11.3?	30.25	N	141.07	E	65	?	3.9		1.3	9	SOUTH OF HONSHU, JAPAN
	24	18 26 44.5*	16.483	S	172.342	W	33	N	4.8	4.8	1.0	31	SAMOA ISLANDS REGION
	24	18 44 57.3?	48.34	N	1.91	W	5	G			1.0	5	FRANCE. ML 2.5 (LDG).
	24	19 39 05.0	39.859	N	30.206	E	10	G			1.3	12	TURKEY. MD 3.3 (ISK).
a	24	20 01 18.1	2.266	N	126.718	E	54	*	5.4	4.2	1.2	93	MOLUCCA PASSAGE
	24	21 00 28.9*	4.821	N	127.385	E	107	*	4.0		0.3	7	TALAUD ISLANDS
	24	21 33 17.2?	4.66	N	76.10	W	110	G			0.9	5	COLOMBIA. MD 2.8 (UVC).
	24	21 36 27.0*	33.821	N	141.412	E	66	*	5.5		1.1	26	OFF EAST COAST OF HONSHU, JAPAN
	24	23 00 52.2%	42.369	N	13.159	E	10	G			0.6	9	CENTRAL ITALY
	24	23 16 24.4&	60.065	N	141.524	W	0					19	SOUTHEASTERN ALASKA. <AEIC>.
	25	00 09 55.8?	4.78	N	76.08	W	90	G			0.6	6	COLOMBIA. MD 2.9 (UVC).
	25	00 10 11.1	39.284	N	22.922	E	10	G			0.8	15	GREECE. ML 3.2 (ATH).
	25	02 30 16.0%	38.837	N	27.851	E	10	G			0.3	5	TURKEY. MD 2.8 (ISK).
	25	03 23 35.8	42.761	N	27.824	E	10	G			1.0	11	BULGARIA. MD 3.4 (ISK).
	25	04 22 44.1&	61.973	N	150.376	W	51					27	SOUTHERN ALASKA. <AEIC>.
	25	04 42 33.9*	36.450	N	21.543	E	33	N			1.3	5	SOUTHERN GREECE. MD 3.3 (ATH).
	25	05 15 27.5?	37.62	N	20.92	E	10	G			1.4	4	IONIAN SEA. MD 2.7 (ATH).
	25	05 51 53.4?	8.57	N	75.07	W	95	?			1.3	8	NORTHERN COLOMBIA
	25	06 07 38.1*	41.870	N	20.385	E	10	G			1.3	6	ALBANIA. ML 2.1 (TTG).
	25	07 15 48.9&	62.585	N	150.896	W	81					42	CENTRAL ALASKA. <AEIC>.
	25	07 59 07.6?	40.28	N	25.84	E	10	G			0.3	4	AEGEAN SEA
	25	08 19 25.8&	59.997	N	153.301	W	130		2.7			43	SOUTHERN ALASKA. <AEIC>.
	25	08 53 05.2?	17.11	N	60.72	W	10	G			0.2	5	LEEWARD ISLANDS. ML 3.0 (FDF).
	25	09 03 53.5	37.007	N	28.909	E	13		4.2		1.4	16	TURKEY. MD 4.0 (ISK), 3.9 (ATH).
	25	09 06 49.3*	24.194	N	122.639	E	33	N	4	1	0.9	8	TAIWAN REGION
	25	09 25 26.9	36.280	N	27.150	E	10	G			0.4	7	DODECANESE ISLANDS. MD 4.0 (ATH).
	25	09 38 02.5*	39.209	N	119.766	W	5	G			1.3	5	NEVADA. ML 2.6 (NEIS). Felt (III) at Genoa. Also felt at Carson City.
	25	09 57 23.3*	16.746	S	69.824	W	187		4.5		1.1	13	PERU-BOLIVIA BORDER REGION
	25	13 39 05.2	38.275	N	142.935	E	45		4.9	4.4	1.1	81	NEAR EAST COAST OF HONSHU, JAPAN

	25	14	00	37.9%	47.525	N	9.097	E	10	G			0.7	7	GERMANY
	25	15	19	20.9*	38.470	N	36.633	E	10	G	3.4		0.5	6	TURKEY
	25	16	08	56.4%	43.093	N	0.485	W	10	G			0.4	7	PYRENEES. MD 3.1 (STR).
	25	16	45	08.7&	60.627	N	151.173	W	53					41	KENAI PENINSULA, ALASKA. <AEIC>.
	25	17	24	42.7&	36.333	N	118.633	W	6	G				3	CENTRAL CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
f	25	17	38	36.5	2.152	S	139.020	E	22	G	5.9	5.9	1.1	242	NEAR N. COAST OF WEST IRIAN. Ms 6.2 (BRK). Mo=2.3*10**18 Nm (PPT). Two events about 2.5 seconds apart. Depth from broadband displacement seismograms, based on first event.
	25	17	39	14.1?	4.03	N	76.02	W	56	?			0.4	6	COLOMBIA. MD 2.8 (UVC).
	25	17	40	16.4	2.275	S	139.206	E	33	N	6.4		0.7	50	NEAR N. COAST OF WEST IRIAN
	25	17	42	38.3	2.180	S	139.140	E	33	N	5.4	5.5	0.8	63	NEAR N. COAST OF WEST IRIAN
	25	18	03	12.5?	40.67	N	23.47	E	10	G			0.5	5	GREECE
	25	18	06	44.3	39.604	N	29.246	E	10	G			1.1	8	TURKEY. MD 2.8 (ISK).
	25	18	08	37.5	35.785	N	21.773	E	58	*	3.6		1.0	30	MEDITERRANEAN SEA. MD 3.9 (ATH).
	25	18	28	20.1	42.892	N	18.720	E	10	G			0.8	11	YUGOSLAVIA. ML 2.6 (TTG).
	25	18	38	26.3	2.100	S	139.084	E	33	N	5.2		0.7	24	NEAR N. COAST OF WEST IRIAN
	25	19	21	41.6	41.003	N	22.372	E	10	G			0.6	15	YUGOSLAVIA. ML 2.1 (SKO).
	25	19	24	24.7?	4.66	N	76.78	W	33	N			0.6	4	COLOMBIA. MD 2.6 (UVC).
	25	20	49	19.3	43.420	N	19.666	E	10				1.2	61	YUGOSLAVIA. ML 3.3 (TTG). Felt at Nova Varos and Prijepolje.
	25	21	24	37.9*	17.302	S	173.970	W	80	G	4.9		1.0	22	TONGA ISLANDS
	25	21	44	03.8*	2.087	S	139.028	E	33	N	5.1		0.4	15	NEAR N. COAST OF WEST IRIAN
	25	22	01	47.7?	2.11	S	138.97	E	33	N	4.5	4.2	0.6	7	WEST IRIAN
	25	22	11	28.9&	61.000	N	151.434	W	65					31	SOUTHERN ALASKA. <AEIC>.
	25	22	24	27.6%	40.308	N	27.345	E	10	G			0.6	9	TURKEY. MD 3.0 (ISK).
	25	23	15	45.0?	17.83	S	178.48	W	603	*	5.1		1.2	22	FIJI ISLANDS REGION
	25	23	22	51.8*	13.599	N	43.910	E	10	G			1.2	11	WESTERN ARABIAN PENINSULA
a	26	00	19	12.8	3.515	S	102.630	E	113		5.5		1.1	169	SOUTHERN SUMATERA
	26	01	07	15.3	2.092	S	139.135	E	33	N	5.0	4.3	0.9	56	NEAR N. COAST OF WEST IRIAN
	26	01	26	32.4	42.123	N	13.274	E	29		4.1		1.1	34	CENTRAL ITALY. MD 4.0 (TRI), 3.9 (ROM).
	26	02	15	28.6*	3.212	S	81.392	W	33	N			0.4	11	NEAR COAST OF NORTHERN PERU
	26	02	45	24.6%	40.316	N	27.325	E	10	G			0.3	7	TURKEY. MD 2.9 (ISK).
	26	03	21	22.6	41.536	N	81.453	W	5	G			0.7	17	OHIO. mbLg 3.2 (NEIS), 3.4 (TUL). Felt (V) at Brecksville, Broadview Heights, Cleveland and Thompson; (IV) at Elyria, Highland Heights, Lakewood, Lorain, Munroe Falls and Parma; (III) at Amherst, Chardon, Chesterland, Grand River, Madison, Mentor, Mogadore, North Olmsted, Solon and Twinsburg.
	26	03	27	16.6	7.345	S	74.548	W	162	D	4.5		1.1	45	PERU-BRAZIL BORDER REGION
	26	04	01	04.6&	41.882	N	112 612	W	14					5	UTAH. <SLC-P> ML 2.8 (SLC).
	26	04	56	39.0?	42.22	N	13.26	E	10	G			0.6	4	CENTRAL ITALY
	26	05	28	07.5*	37.314	S	177.018	E	290		4.7		0.6	33	OFF E. COAST OF N. ISLAND, N.Z.
	26	06	31	04.8*	37.393	N	72.064	E	33	N	4.0		1.4	10	TAJIK SSR
	26	07	15	13.2?	5.01	N	76.09	W	110	G			0.4	7	COLOMBIA. MD 3.1 (UVC).
	26	07	38	29.5?	9.81	N	82.48	W	33	N	4.4		0.8	13	PANAMA-COSTA RICA BORDER REGION
	26	08	14	07.1	37.066	N	71.045	E	55	*	5.0	4.4	1.2	82	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog and Roshtkala, USSR.
	26	08	23	44.2&	60.890	N	149.797	W	44					47	KENAI PENINSULA, ALASKA. <AEIC>.
	26	08	56	02.0*	15.037	S	173.172	W	33	N	4.8	5.3	0.9	36	TONGA ISLANDS
	26	09	23	17.9&	38.060	N	118.892	W	12					13	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK).
	26	09	24	57.3*	15.275	S	172.942	W	33	N	4.9	4.9	1.3	17	SAMOA ISLANDS REGION
	26	09	40	25.4%	39.176	N	27.643	E	10	G			1.2	6	TURKEY. MD 2.8 (ISK).
	26	10	36	46.6%	37.688	N	15.044	E	10	G			1.0	8	SICILY
	26	11	04	44.6%	37.659	N	15.021	E	10	G			0.4	5	SICILY
	26	11	15	53.6*	6.041	S	127.625	E	405	*	4.5		0.9	13	BANDA SEA
	26	12	12	41.0*	0.026	S	123.584	E	170	*	4.7		1.1	15	MINAHASSA PENINSULA
	26	13	12	23.4?	37.64	N	15.03	E	5	G			1.1	4	SICILY
	26	13	15	16.8%	37.649	N	15.026	E	10	G			0.5	5	SICILY
	26	14	00	57.6&	61.658	N	150.141	W	40					37	SOUTHERN ALASKA. <AEIC>.
	26	14	33	19.3	40.064	N	20.621	E	10	G			0.9	14	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH).
	26	15	37	53.4%	40.560	N	29.194	E	10	G			0.8	5	TURKEY. MD 2.8 (ISK).
	26	16	14	16.4*	51.278	N	15.981	E	10	G			0.9	7	POLAND. ML 3.1 (GRF).
	26	16	47	13.0?	16.03	S	174.10	W	134	*	4.3		1.1	11	TONGA ISLANDS
	26	17	20	49.3	24.733	N	97.001	E	33	N	4.8	4.2	1.1	70	BURMA-CHINA BORDER REGION
	26	17	34	54.8?	2.97	N	76.61	W	110	G			0.6	6	COLOMBIA. MD 3.1 (UVC).
	26	17	38	08.6&	41.872	N	112.587	W	8					4	UTAH. <SLC-P>. ML 2.9 (SLC).
	26	19	17	32.0	61.881	N	159.321	W	33	N	4.1		0.9	38	SOUTHERN ALASKA. Felt (V) at Aniak.
	26	19	53	09.9?	42.65	N	13.53	E	10	G			0.3	4	CENTRAL ITALY
	26	20	01	02.1%	42.695	N	13.470	E	10	G			0.4	5	CENTRAL ITALY
	26	20	48	46.1*	7.108	S	155.430	E	93	*	4.5		0.5	14	SOLOMON ISLANDS
	26	20	50	03.6&	38.058	N	118.892	W	10					13	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).
	26	21	05	44.4?	30.98	S	69.00	W	130	G			1.1	9	CHILE-ARGENTINA BORDER REGION
	26	21	19	06.3	41.610	N	20.214	E	10	G			0.8	11	ALBANIA. ML 2.9 (TTG).
a	26	21	23	16.3	30.496	S	177.495	W	43		5.6	4.6	1.2	52	KERMADEC ISLANDS. Felt strongly on Raoul Island.
	26	21	49	38.0&	37.681	N	111.429	W	10					16	UTAH. <SLC-P>. ML 3.3 (SLC), 3.5 (NEIS). Felt (III) at Boulder and Escalante.
	26	22	35	50.6&	60.133	N	153.552	W	162		4.1			98	SOUTHERN ALASKA. <AEIC>. Felt (III) at Clam Gulch.
	26	23	32	05.6	6.949	N	73.222	W	163		4.3		1.0	21	NORTHERN COLOMBIA
	27	00	53	40.9?	37.29	N	70.98	E	33	N			0.3	7	AFGHANISTAN-USSR BORDER REGION
	27	01	33	37.7&	61.367	N	146.857	W	14		2.8			68	SOUTHERN ALASKA. <AEIC>.
	27	04	00	40.4*	26.832	N	44.560	W	10	G	4.9	4.0	0.7	7	NORTH ATLANTIC RIDGE
	27	04	06	58.2?	64.56	N	158.35	W	33	N			1.4	6	CENTRAL ALASKA
	27	05	17	13.9*	36.561	N	26.769	E	33	N			1.5	5	DODECANESE ISLANDS. MD 3.7 (ATH).
a	27	06	26	27.9	10.767	S	164.277	E	33	N	5.3	4.7	1.0	122	SANTA CRUZ ISLANDS REGION
	27	06	58	30.7	4.523	N	127.604	E	117	*	4.9		1.0	47	TALAUD ISLANDS
	27	07	26	52.1	24.110	S	179.300	E	545	*	5.1		0.9	58	SOUTH OF FIJI ISLANDS
	27	09	02	48.8&	32.950	N	115.717	W	6	G				2	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 2.6 (PAS).
a	27	09	25	30.8	3.553	S	149.085	E	51	*	4.9	4.9	0.7	17	BISMARCK SEA
	27	09	56	46.9	39.759	N	141.811	E	85		4.6		1.0	61	HONSHU, JAPAN
	27	11	12	39.6%	37.654	N	15.020	E	10	G			0.7	5	SICILY
	27	11	39	01.8?	31.67	S	116.97	E	10	G			0.9	4	WESTERN AUSTRALIA
	27	11	53	13.3?	26.88	N	44.58	W	10	G	4.8		1.1	7	NORTH ATLANTIC RIDGE

	27	12	48	28.5*	26.727	N	44.702	W	10	G	4.7		1.0	13	NORTH ATLANTIC RIDGE
	27	13	46	15.7*	26.636	N	44.564	W	10	G	4.4	4.0	0.9	21	NORTH ATLANTIC RIDGE
	27	14	07	05.9?	37.18	N	20.81	E	10	G			1.2	4	IONIAN SEA. MD 3.2 (ATH).
	27	14	25	11.1?	3.08	N	75.36	W	33	N			0.8	9	COLOMBIA. MD 3.6 (UVC).
	27	14	45	59.9?	36.99	N	29.48	E	10	G			0.6	4	TURKEY. MD 3.2 (ISK).
	27	15	34	07.1*	43.433	N	136.094	E	351	?	4.0		0.4	12	EASTERN SEA OF JAPAN
	27	16	02	04.7*	13.724	N	144.828	E	96		4.9		1.2	28	MARIANA ISLANDS. Felt (IV) on Guom.
	27	16	46	40.1?	26.73	N	44.55	W	10	G	4.6		1.3	9	NORTH ATLANTIC RIDGE
	27	17	05	04.4*	7.293	S	129.287	E	203	*	4.9		1.2	16	BANDA SEA
	27	17	37	09.3	35.777	N	27.237	E	10	G			1.4	16	DODECANESE ISLANDS. MD 4.0 (ATH).
	27	18	02	15.2&	63.031	N	150.432	W	106					42	CENTRAL ALASKA. <AEIC>.
	27	18	02	18.1*	36.715	N	141.706	E	56	*	4.0		0.8	14	NEAR EAST COAST OF HONSHU, JAPAN
	27	18	16	32.5*	19.948	S	168.332	E	31	*	4.4		1.0	22	VANUATU ISLANDS
	27	19	05	13.2*	1.168	N	124.369	E	33	N	5.0	4.1	1.0	13	MINAHASSA PENINSULA
	27	19	29	37.8*	6.931	S	154.889	E	109	*	4.9		0.5	11	SOLOMON ISLANDS
	27	19	33	56.0*	26.577	N	44.627	W	10	G	4.9		0.7	8	NORTH ATLANTIC RIDGE
	27	19	42	30.7?	22.60	S	179.80	W	660	?	4.9		1.2	18	SOUTH OF FIJI ISLANDS
	27	19	50	48.6	39.610	N	23.803	E	16		4.2		1.1	74	AEGEAN SEA. ML 4.2 (ATH).
	27	19	53	17.7	47.870	N	16.440	E	10	G			0.5	6	AUSTRIA. ML 2.9 (KBA), 2.7 (BRA). Felt (IV) at Ebenfurth.
	27	20	03	45.8	39.591	N	23.691	E	10				0.7	16	AEGEAN SEA
	27	20	13	30.5	39.571	N	23.767	E	10	G			0.6	18	AEGEAN SEA. ML 3.3 (ATH).
	27	20	38	12.1*	22.738	S	171.513	E	33	N	5.3		0.9	21	LOYALTY ISLANDS REGION
	27	20	59	36.1*	26.784	N	44.565	W	10	G	4.8		0.9	10	NORTH ATLANTIC RIDGE
	27	21	51	24.9%	46.572	N	1.122	W	10	G			1.0	12	FRANCE. ML 2.8 (LDG).
	27	22	29	53.2	38.562	N	27.491	E	10	G			1.2	11	TURKEY. MD 3.3 (ISK).
	27	22	37	43.4	38.545	N	27.644	E	10	G			0.7	6	TURKEY. MD 3.3 (ISK).
	27	23	11	00.4&	57.324	N	142.878	W	10	G				16	GULF OF ALASKA. <AEIC>.
	27	23	23	19.4	39.549	N	23.752	E	16		3.8		1.0	30	AEGEAN SEA. ML 3.5 (ATH).
	27	23	27	03.3	39.672	N	23.437	E	10	G			0.9	7	AEGEAN SEA. ML 3.2 (ATH).
	27	23	30	00.6	15.523	N	94.128	W	67	*	3.9		1.1	23	NEAR COAST OF OAXACA, MEXICO
	27	23	56	20.9*	25.306	N	123.548	E	192	*	4.2		1.2	14	NORTHEAST OF TAIWAN
	28	00	26	09.3*	32.275	N	83.205	E	33	N	3.5		1.1	7	TIBET
	28	00	35	59.6&	60.875	N	151.708	W	80					52	KENAI PENINSULA, ALASKA. <AEIC>.
	28	00	49	57.7*	36.024	N	27.202	E	10	G			0.7	5	DODECANESE ISLANDS. MD 3.4 (ATH).
	28	00	56	48.2	39.645	N	23.541	E	10	G			1.3	11	AEGEAN SEA. ML 3.3 (ATH).
	28	01	08	50.2*	31.185	S	68.333	W	109	*			1.0	11	SAN JUAN PROVINCE, ARGENTINA
	28	02	24	22.7?	36.02	N	27.22	E	10	G			0.5	4	DODECANESE ISLANDS. MD 3.3 (ATH).
	28	02	36	42.0?	11.14	S	163.38	E	42	?	4.3	4.1	1.1	14	SOLOMON ISLANDS
	28	02	58	48.0?	26.84	N	44.58	W	10	G	4.7		1.2	7	NORTH ATLANTIC RIDGE
	28	03	06	01.3*	39.863	N	30.269	E	10	G			1.4	7	TURKEY. MD 2.8 (ISK)
	28	03	51	23.4	26.941	N	44.393	W	10	G	4.7	4.2	0.9	47	NORTH ATLANTIC RIDGE
	28	04	07	26.5	39.594	N	23.776	E	11		4.1		1.1	57	AEGEAN SEA. ML 4 0 (ATH).
	28	04	25	56.0*	39.607	N	23.681	E	10	G			0.3	9	AEGEAN SEA
	28	04	46	42.3%	39 604	N	23.649	E	10	G			0.4	9	AEGEAN SEA
	28	05	32	32.7?	3.73	N	77.21	W	33	N			0.2	6	NEAR WEST COAST OF COLOMBIA. MD 2.5 (UVC).
	28	06	34	09.8?	17.07	N	121.74	E	33	N			1.4	4	LUZON, PHILIPPINE ISLANDS
	28	06	40	49.7?	26.64	N	44.61	W	10	G	4.8		1.4	10	NORTH ATLANTIC RIDGE
a	28	07	43	15.5	27.008	N	44.600	W	10	G	4.9	5.0	0.9	118	NORTH ATLANTIC RIDGE
	28	07	43	36.5&	59.834	N	152.972	W	90					36	SOUTHERN ALASKA. <AEIC>.
	28	07	44	09.8*	27.852	N	44.378	W	10	G	4.9		0.6	25	NORTH ATLANTIC RIDGE
	28	07	45	37.0*	15.807	N	97.974	W	10	G	4.9		0.9	15	NEAR COAST OF OAXACA, MEXICO
	28	08	01	26.4?	39.64	N	27.74	E	10	G			0.7	5	TURKEY. MD 2.6 (ISK).
	28	08	14	21.7?	15.63	S	172.82	W	33	N	4.5		1.5	10	SAMOA ISLANDS REGION
	28	08	22	58.7	27.039	N	44.496	W	10	G	4.9	4.5	1.0	54	NORTH ATLANTIC RIDGE
	28	08	47	35.5*	27.016	N	44.433	W	10	G	4.6		0.9	10	NORTH ATLANTIC RIDGE
a	28	09	06	37.3	10.508	N	125.707	E	60		5.4		1.1	116	LEYTE, PHILIPPINE ISLANDS. Felt (II RF) at Palo. Also felt (II RF) at Macton, Cebu and (I RF) at Cagayan de Oro, Mindanoa.
	28	09	10	22.1%	38.028	N	30.473	E	10	G			1.5	6	TURKEY. MD 3.1 (ISK).
	28	09	20	24.1%	49.086	N	7.215	E	10	G			1.2	5	GERMANY
	28	09	46	10.0	27.063	N	44.515	W	10	G	4.5	4.3	0.6	25	NORTH ATLANTIC RIDGE
	28	09	50	48.8	31.424	S	69.282	W	118		4.0		1.1	24	SAN JUAN PROVINCE, ARGENTINA. Felt (III) in the Sierra del Tontol orea.
	28	10	01	12.4	41.112	N	22.460	E	10	G			1.0	28	YUGOSLAVIA. ML 3.5 (SKO), 3.5 (TTG). Felt (IV) in the Gevgelijo oreo.
	28	10	09	41.6	41.112	N	22.417	E	10	G			0.4	6	YUGOSLAVIA. ML 1.7 (SKO).
	28	10	19	53.6*	3.559	N	82.848	W	33	N	4.1		1.1	11	SOUTH OF PANAMA
	28	10	24	06.1&	57.605	N	138.060	W	10	G				5	OFF COAST OF SOUTHEASTERN ALASKA <AEIC>.
	28	10	58	08.7	41.108	N	22.445	E	9				0.8	18	YUGOSLAVIA
	28	11	12	59.2	46.573	N	1.502	E	10				0.7	19	FRANCE. ML 3.0 (LDG).
	28	11	16	51.3%	41.095	N	22.439	E	10	G			0.4	7	YUGOSLAVIA
	28	11	41	45.6?	17.16	N	121.62	E	10	G			1.1	4	LUZON, PHILIPPINE ISLANDS
	28	12	33	10.5*	15.064	S	166.962	E	123	*	4.6		1.1	30	VANUATU ISLANDS
	28	12	40	08.1&	41.875	N	112.588	W	9					5	UTAH. <SLC-P>. ML 3.1 (SLC).
a	28	12	58	48.7	41.985	S	171.701	E	27		5.9	5.3	1.2	141	SOUTH ISLAND, NEW ZEALAND. ML 6.0 (WEL). Mo=3.0*10**17 Nm (PPT). Slight domage (VI) in the Westport oreo. Felt in lorge parts of South Island.
	28	13	12	55.2?	39.74	N	25.61	E	10	G			0.7	8	AEGEAN SEA. MD 3.5 (ISK).
	28	13	35	44.2*	39.705	N	25.924	E	10	G			0.3	5	AEGEAN SEA. MD 3.4 (ISK).
	28	15	37	36.0	49.885	N	5.016	E	10	G			1.2	11	FRANCE. ML 2.6 (LDG).
	28	15	44	29.3*	38.950	N	20.322	E	10		3.8		1.0	24	GREECE
	28	15	59	52.9%	2.370	N	76.396	W	10	G			0.1	5	COLOMBIA. MD 2.7 (UVC).
	28	16	26	38.0	26.743	N	44.575	W	10	G	5.0	4.6	1.0	87	NORTH ATLANTIC RIDGE
	28	16	28	59.7&	61.569	N	149.847	W	48					35	SOUTHERN ALASKA. <AEIC>.
	28	16	32	07.4	26.780	N	44.562	W	10	G	4.8	4.6	0.8	31	NORTH ATLANTIC RIDGE
a	28	18	00	53.7	42.009	S	171.700	E	19		5.6	5.6	1.2	153	SOUTH ISLAND, NEW ZEALAND. Mo=8.0*10**17 Nm (PPT). Slight damage (VI) in the Westport area. Felt fram Christchurch, South Island ta Wellingtan, North Island.
	28	18	02	10.0?	34.03	N	73.80	E	33	N	5.2		0.5	7	PAKISTAN
	28	18	09	25.6?	30.57	N	129.01	E	33	N	5.6	5.3	1.3	34	KYUSHU, JAPAN
	28	19	11	06.7	5.555	N	95.518	E	133	*	4.7		0.9	46	NORTHERN SUMATERA
	28	19	15	57.2	26.745	N	44.602	W	10	G	4.8		0.8	50	NORTH ATLANTIC RIDGE

	28	20 09 06.8	49.163	N	6.876	E	10	G			0.7	10	GERMANY. MD 2.3 (STR).
	28	20 24 59.6%	40.143	N	29.301	E	10	G			1.0	8	TURKEY. MD 2.7 (ISK).
	28	21 02 56.5	36.087	N	31.449	E	10	G			1.1	12	TURKEY. MD 3.6 (ISK).
	28	21 30 14.9?	2.88	N	79.40	W	33	N			0.3	7	SOUTH OF PANAMA. MD 4.1 (UVC).
	28	21 48 24.0?	26.55	N	44.87	W	10	G	4.4		1.4	5	NORTH ATLANTIC RIDGE
	28	21 56 42.4?	3.95	N	76.32	W	110	G			0.5	5	COLOMBIA. MD 2.5 (UVC).
	28	22 24 46.6	26.029	N	95.292	E	33	N	5.0		1.0	11	BURMA-INDIA BORDER REGION
	28	22 28 05.5	38.429	N	112.684	E	33	N	5.0	4.6	1.1	112	NORTHEASTERN CHINA
	29	00 43 23.8&	61.868	N	147.852	W	34					49	SOUTHERN ALASKA. <AEIC>.
	29	03 04 31.2?	26.70	N	44.63	W	10	G	4.5		1.2	8	NORTH ATLANTIC RIDGE
o	29	03 13 13.3*	44.159	S	94.223	E	10	G	5.2	5.3	1.2	59	SOUTHEAST INDIAN RISE
	29	03 43 21.4%	39.126	N	29.125	E	10	G			1.0	10	TURKEY. MD 3.0 (ISK).
	29	04 32 51.0*	33.440	S	72.119	W	42	*	4.7		1.1	47	OFF COAST OF CENTRAL CHILE. Felt (IV) at San Antonio.
	29	05 17 52.5?	4.51	N	76.25	W	110	G			0.9	5	COLOMBIA. MD 2.7 (UVC).
a	29	05 29 05.1	16.917	N	85.542	W	44	D	4.8	4.5	1.1	76	CARIBBEAN SEA. Ms 5.0 (BRK).
	29	07 11 36.9	5.540	S	151.772	E	57	*	5.0	4.4	1.1	44	NEW BRITAIN REGION
	29	08 27 23.5&	61.305	N	151.210	W	63					52	SOUTHERN ALASKA. <AEIC>.
	29	08 31 14.5	14.129	N	144.862	E	170		4.3		0.8	27	MARIANA ISLANDS
	29	08 35 25.8*	33.498	S	72.248	W	36	*	4.5		1.1	20	OFF COAST OF CENTRAL CHILE. Felt (IV) at San Antonio.
	29	08 37 12.1&	60.721	N	152.338	W	97					36	SOUTHERN ALASKA. <AEIC>.
	29	09 48 15.9*	39.400	S	174.870	E	33	N			1.1	11	NORTH ISLAND, NEW ZEALAND. ML 3.0 (WEL).
	29	10 08 28.0%	44.214	N	7.432	E	10	G			0.7	8	NORTHERN ITALY. ML 2.1 (GEN).
	29	10 12 21.9	33.361	S	72.050	W	44		4.9		1.0	87	OFF COAST OF CENTRAL CHILE. Felt (III) at Volparaiso, Quilloto and San Antonio and (II) at Santiago.
	29	12 37 07.1%	42.718	N	19.219	E	10	G			0.3	5	YUGOSLAVIA. ML 1.6 (TTG).
	29	12 41 42.6&	59.810	N	152.743	W	88					30	SOUTHERN ALASKA. <AEIC>.
	29	12 42 41.5*	6.402	S	154.511	E	69	*	5.0		1.4	14	SOLOMON ISLANDS
	29	13 37 20.2&	63.112	N	150.438	W	109					55	CENTRAL ALASKA. <AEIC>.
	29	14 11 02.6	4.195	S	128.042	E	24	D	5.3	4.5	1.2	50	BANDA SEA
	29	14 19 11.3?	15.35	N	61.24	W	120	G			0.3	7	LEEWARD ISLANDS
	29	14 34 02.5?	39.14	N	29.02	E	10	G			0.2	4	TURKEY. MD 2.6 (ISK).
	29	14 57 41.5	42.309	N	15.583	E	15				1.1	28	ADRIATIC SEA. ML 3.2 (TTG).
	29	15 44 30.4?	39.22	N	20.11	E	10	G			0.9	6	GREECE-ALBANIA BORDER REGION. MD 4.0 (ATH).
	29	15 51 30.8	44.388	N	8.328	E	10	G			0.7	8	NORTHERN ITALY. ML 2.4 (GEN).
o	29	16 04 00.0	14.998	S	75.740	W	27	*	5.2	5.0	1.1	105	NEAR COAST OF PERU
	29	17 18 44.5%	44.389	N	7.303	E	10	G			0.7	8	NORTHERN ITALY. ML 2.3 (GEN).
	29	17 45 22.6?	40.22	S	174.74	E	123	?			1.0	11	COOK STRAIT, NEW ZEALAND
	29	18 21 58.1	39.132	N	17.667	E	10	G			1.2	13	SOUTHERN ITALY
	29	18 48 55.7?	41.87	S	171.56	E	27				0.8	12	SOUTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
	29	19 42 35.3?	27.56	S	176.32	W	33	N	5.1		1.0	26	KERMADEC ISLANDS REGION
	29	19 49 12.0&	60.763	N	147.878	W	3					44	SOUTHERN ALASKA <AEIC>.
	29	20 19 16.0*	18.889	N	69.270	W	118	*	4.5		1.1	16	DOMINICAN REPUBLIC REGION
	29	20 24 40.7?	46.04	N	2.89	E	10	G			1.0	4	FRANCE. ML 1.2 (LDG).
	29	20 43 16.1	37.523	N	26.845	E	10	G			1.0	22	DODECANESE ISLANDS. ML 3.8 (ATH)
	29	21 19 38.3*	41.883	S	171.517	E	28				0.7	11	SOUTH ISLAND, NEW ZEALAND. ML 3.5 (WEL).
	29	21 57 47.7?	17.27	N	121.51	E	10	G			1.2	4	LUZON, PHILIPPINE ISLANDS
	29	22 03 37.0%	3.524	N	76.533	W	10	G			0.4	6	COLOMBIA. MD 2.4 (UVC).
	29	22 16 18.9&	63.423	N	151.194	W	13					31	CENTRAL ALASKA. <AEIC>.
	29	22 16 25.4?	60.49	N	1.61	E	10	G			1.4	7	NORTH SEA. MD 2.8 (BER).
	29	22 31 33.7?	39.06	N	28.75	E	10	G			1.0	4	TURKEY. MD 2.6 (ISK).
o	29	22 46 40.5	12.887	N	90.865	W	51		5.1	4.6	1.0	203	OFF COAST OF CENTRAL AMERICA. Ms 4.8 (BRK). Mo=2.0*10**17 Nm (PPT).
	30	00 02 46.2?	38.95	S	175.41	E	242	?			0.2	10	NORTH ISLAND, NEW ZEALAND
	30	00 51 10.0?	41.80	N	12.74	E	10	G			0.3	4	SOUTHERN ITALY
	30	01 14 59.7&	57.826	N	156.512	W	129		3.9			72	ALASKA PENINSULA. <AEIC>.
	30	01 50 18.5	39.574	N	28.830	E	10	G			0.9	13	TURKEY. MD 3.0 (ISK).
	30	02 14 11.2?	36.84	S	176.91	E	33	N			0.9	10	OFF E. COAST OF N. ISLAND, N.Z.
	30	02 17 53.5?	39.73	N	30.88	E	10	G			1.1	6	TURKEY. MD 2.7 (ISK).
	30	04 28 54.6&	57.530	N	156.037	W	67		3.6			35	ALASKA PENINSULA. <AEIC>.
	30	05 09 08.0	29.118	N	51.391	E	22	*	4.5		1.3	35	SOUTHERN IRAN
	30	05 51 06.6*	5.094	N	77.330	W	33	N	3.6		0.8	8	NEAR WEST COAST OF COLOMBIA
	30	06 30 36.5	40.175	N	34.001	E	21		4.0		0.9	29	TURKEY
a	30	07 43 42.9	64.394	N	20.807	W	10	G	5.1	4.6	1.0	107	ICELAND
	30	07 52 01.0?	52.29	N	160.62	E	33	N	4.3		0.3	5	OFF EAST COAST OF KAMCHATKA
	30	08 26 01.2*	33.546	S	72.314	W	10	G			0.5	13	OFF COAST OF CENTRAL CHILE
	30	09 36 34.4*	2.030	S	128.397	E	72	?	4.7		0.9	11	CERAM SEA
	30	10 25 34.0*	14.538	S	167.509	E	33	N			1.0	8	VANUATU ISLANDS
	30	10 50 47.8%	38.442	N	23.887	E	10	G			0.9	6	GREECE. ML 2.9 (ATH).
	30	11 17 02.9	7.317	S	106.729	E	33	N	5.0		1.0	42	JAVA
	30	11 27 16.8?	43.84	N	7.04	E	10	G			0.6	6	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
	30	11 28 09.7&	61.562	N	149.947	W	49					64	SOUTHERN ALASKA. <AEIC>. ML 3.5 (PMR). Felt (III) at Butte, Chugiok, Eagle River and Palmer.
	30	11 28 30.2*	45.216	N	141.888	E	273	*	4.5		1.0	32	HOKKAIDO, JAPAN REGION
	30	12 29 15.8*	6.118	S	130.499	E	142	*	5.0		1.3	21	BANDA SEA
	30	12 57 45.9*	51.661	N	167.769	W	33	N	4.0		1.1	11	FOX ISLANDS, ALEUTIAN ISLANDS
	30	13 08 11.6%	42.764	N	19.173	E	10	G			0.2	8	YUGOSLAVIA. ML 2.0 (TTG).
	30	14 25 35.0?	33.50	S	72.26	W	10	G			0.4	9	OFF COAST OF CENTRAL CHILE
	30	17 50 14.6&	56.369	N	153.197	W	10	G	4.3			27	KODIAK ISLAND REGION. <AEIC>. ML 3.5 (PMR).
	30	17 55 05.4*	38.777	S	175.320	E	33	N			1.0	13	NORTH ISLAND, NEW ZEALAND
	30	18 02 44.1&	59.850	N	152.645	W	89		3.1			37	SOUTHERN ALASKA. <AEIC>.
	30	18 08 52.8*	24.191	N	125.368	E	33	N	4.4		1.1	28	SOUTHWESTERN RYUKYU ISLANDS
	30	18 11 22.3*	31.421	S	67.752	W	10	G			1.1	11	SAN JUAN PROVINCE, ARGENTINA
	30	18 19 43.9	45.076	N	2.999	E	10	G			0.9	10	FRANCE. ML 2.1 (LDG).
	30	19 09 19.6	38.476	S	176.212	E	163	*			0.4	26	NORTH ISLAND, NEW ZEALAND
	30	19 42 52.7	37.180	N	42.605	E	17	D	4.7	4.5	1.3	87	TURKEY. Felt at Siirt, Sirnak, Mardin and Hakkari.
	30	19 53 40.8?	45.97	N	144.58	E	33	N	4.1		1.3	8	HOKKAIDO, JAPAN REGION
	30	20 06 39.4&	58.155	N	136.914	W	0		4.0			19	SOUTHEASTERN ALASKA. <AEIC>. ML 4.3 (PMR).
	30	20 22 46.9*	12.313	S	165.959	E	60	*	4.6		1.1	24	SANTA CRUZ ISLANDS
	30	21 25 09.8*	6.066	S	149.232	E	89	*	4.6		0.7	8	NEW BRITAIN REGION
	30	21 49 47.4*	52.775	N	160.604	E	33	N	4.3		1.0	18	OFF EAST COAST OF KAMCHATKA
	30	22 58 36.8	44.947	N	7.371	E	10	G			1.2	10	NORTHERN ITALY. ML 2.0 (GEN), 2.0 (LDG).
	30	23 39 04.5	43.135	N	0.537	W	10	G			0.6	9	PYRENEES. ML 2.4 (LDG).
	30	23 42 16.2?	28.04	N	55.96	E	33	N	4.6		1.4	10	SOUTHERN IRAN

	31	00 05 09.1?	4.95	N	76.24	W	110	G			0.6	7	COLOMBIA. MD 3.2 (UVC).
	31	00 08 47.3*	34.855	N	124.036	E	33	N	4.1		1.2	12	YELLOW SEA
	31	00 39 06.8&	36.040	N	121.548	W	10					18	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=4.9*10**14 Nm (BRK).
	31	00 43 02.0%	38.677	N	27.984	E	10	G			0.9	7	TURKEY. MD 3.1 (ISK).
	31	01 03 12.5*	45.696	N	14.124	E	10	G			1.3	5	YUGOSLAVIA. MD 1.9 (LJU).
	31	01 37 00.4&	63.842	N	148.770	W	110					25	CENTRAL ALASKA. <AEIC>.
a	31	02 13 31.9	0.511	N	126.082	E	37		5.6	5.3	1.2	157	MOLUCCA PASSAGE
	31	02 27 52.3*	6.621	S	155.831	E	228	*	4.8		0.7	15	SOLOMON ISLANDS
	31	03 10 51.8	42.424	N	19.743	E	10	G			0.5	7	YUGOSLAVIA. ML 2.1 (TTG).
	31	03 45 39.4	16.329	N	61.378	W	27		4.0		1.1	22	LEEWARD ISLANDS. ML 3.6 (FDF). Felt (IV) on Guadeloupe.
	31	04 18 36.8?	46.98	N	4.70	E	10	G			0.9	6	FRANCE. ML 1.7 (LDG).
	31	04 42 35.4&	59.900	N	152.803	W	100					27	SOUTHERN ALASKA. <AEIC>.
	31	04 53 42.0?	4.54	N	76.78	W	33	N			0.3	6	COLOMBIA. MD 2.7 (UVC).
	31	06 13 10.7*	5.307	N	32 606	E	10	G	4.6		1.0	16	SUDAN
	31	06 44 10.7	39.064	S	176.272	E	61	*			0.7	14	NORTH ISLAND, NEW ZEALAND
	31	07 18 07.7*	14.604	S	71.882	W	148	?	4.5		1.1	8	PERU
	31	07 45 15.4?	13.17	S	166.78	E	113	?	4.8		1.0	14	VANUATU ISLANDS
	31	07 48 58.4	7.435	S	127.951	E	147	D	5.2		1.0	79	BANDA SEA
	31	07 56 27.7&	32.550	N	115.467	W	6	G				2	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	31	08 47 51.8&	32.983	N	117.767	W	6	G				2	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 2.5 (PAS).
	31	08 52 50.5	44.354	N	9.675	E	10	G			0.9	33	NORTHERN ITALY. ML 3.1 (LDG).
	31	09 38 27.3%	44.864	N	7.609	E	10	G			1.1	8	NORTHERN ITALY. ML 2.3 (GEN).
	31	12 09 08.7*	23.574	N	93.037	E	33	N	4.6		0.6	8	BURMA-INDIA BORDER REGION
	31	12 12 17.8%	15.096	N	61.163	W	10	G			0.8	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	31	12 49 48.7?	30.32	S	179.42	E	582	?	5.1		1.3	10	KERMADEC ISLANDS REGION
	31	13 09 19.5	2.980	N	128.276	E	66	?	4.7		0.9	36	HALMAHERA
	31	13 29 12.3	45.680	N	26.635	E	133		4.8		1.2	194	ROMANIA. Felt (IV) in the epicentral area and (III) at Bucharest. Also felt at Silistra, Bulgaria.
	31	13 52 50.6	3.043	N	128.319	E	73	?	4.8		0.9	34	NORTH OF HALMAHERA
	31	14 53 08.9?	7.77	N	84.61	W	33	N	5.0		1.4	9	OFF COAST OF COSTA RICA
	31	15 17 01.5?	45.95	N	14.40	E	10	G			0.8	4	YUGOSLAVIA. MD 2.3 (LJU).
	31	19 32 46.6	23.630	S	179.800	W	534		5.1		1.0	69	SOUTH OF FIJI ISLANDS
	31	19 46 58.8	24.864	N	126.969	E	33	N	4.7		1.1	37	RYUKYU ISLANDS
	31	21 08 43.5*	38.762	S	175.106	E	163	*			0.4	18	NORTH ISLAND, NEW ZEALAND
	31	21 30 05.9*	5.717	N	124.229	E	33	N	4.7		0.5	8	MINDANAO, PHILIPPINE ISLANDS
	31	21 33 15.1?	38.44	N	14.38	E	10	G			0.9	4	SICILY
	31	21 58 45.7&	33.567	N	116.900	W	6	G				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	31	22 15 26.6?	38.60	N	14.26	E	10	G			1.5	4	SICILY
	31	22 43 34.4*	44.812	N	28.051	W	10	G	4.5	3.8	1.3	22	NORTH ATLANTIC RIDGE
f	31	23 03 33.6	35.993	N	70.423	E	142	G	6.4		1.2	530	HINDU KUSH REGION. mb 6.6 (BRK). Mo=1.6*10**19 Nm (PPT). Estimated 200-400 people killed, many injured and many homes destroyed or damaged in Konar, Nongorhar and Badakhshan Provinces, Afghanistan. At least 300 people killed, hundreds injured and several thousand houses damaged in the Malakand-Chitral-Peshawar area, Pakistan. Three people died of heart attacks, severe damage (VII) and landslides occurred in the Khorog area, USSR. Felt (VI) at Ishkashim, Parkhar, Dushanbe, Garm, Dzhirgotal, Lyangar and Gissar; (V) at Shaartuz, Sherkent, Gezan, Leninabad, Tashkent and Namangan; (IV) at Chimkent; (III) at Dzhambul and Frunze, USSR. Felt throughout northeastern Afghanistan, northern Pakistan and northern India as far away as Delhi. Also felt throughout Tojikistan and eastern Uzbekistan, USSR. Depth from broadband displacement seismograms.
	31	23 28 17.9&	34.820	N	120.380	W	1					21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
	31	23 51 10.1*	36.382	N	71.171	E	207	?	4.6		0.8	15	AFGHANISTAN-USSR BORDER REGION

A D D I T I O N A L S O U R C E P A R A M E T E R S

01 00 06 31.40 18.068N 105.847W 35km
5.5mb (38 obs.) 6.2Msz (27 obs.)
OFF COAST OF JALISCO, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=203 Dip=83 Slip= 7
NP2: 112 83 173
Principal Axes:
T Plg=10 Azm= 68
P 0 158
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 2.1±0.9*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centroid Location:
Origin Time 00:06:37.5 0.3
Lat 18.36N 0.03 Lon 106.01W 0.03
Dep 15.0 FIX Half-duration 5.6
Principal Axes:
Scale 10**18 Nm
T Val= 2.70 Plg= 0 Azm=230
N 0.11 90 180
P -2.80 0 140
Best Double Couple:Mo=2.8*10**18
NP1:Strike=275 Dip=90 Slip=-180
NP2: 5 90 0

01 03 19 35.25 17.951N 105.852W 36km
5.3mb (28 obs.) 5.6Msz (11 obs.)
OFF COAST OF JALISCO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 45C
Centroid Location:
Origin Time 03:19:38.6 0.3
Lat 18.37N 0.03 Lon 105.93W 0.03
Dep 15.0 FIX Half-duration 3.3
Principal Axes:
Scale 10**17 Nm
T Val= 5.22 Plg= 0 Azm=230
N -0.44 90 180
P -4.78 0 140
Best Double Couple:Mo=5.0*10**17
NP1:Strike=275 Dip=90 Slip=-180
NP2. 5 90 0

01 15 50 14.65 55.167N 158.388W 33km
5.2mb (63 obs.) 5.0Msz (18 obs.)
ALASKA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 15:50:15.8 0.6
Lat 54.70N 0.13 Lon 158.39W 0.13
Dep 28.2 6.0 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.32 Plg=54 Azm=284
N 0.22 11 29
P -1.54 34 126
Best Double Couple:Mo=1.4*10**17
NP1:Strike=255 Dip=15 Slip= 137
NP2: 27 80 79

01 17 28 02.49 21.208S 174.149W 29km
5.7mb (43 obs.) 5.6Msz (24 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 52C
Centroid Location:
Origin Time 17:28: 8.4 0.3
Lat 21.28S 0.04 Lon 173.9BW 0.03
Dep 15.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**17 Nm
T Val= 10.10 Plg=67 Azm=297
N 1.31 4 198
P -11.42 22 106
Best Double Couple:Mo=1.1*10**18
NP1:Strike=188 Dip=23 Slip= 80
NP2: 19 67 94

03 00 40 10.83 7.225S 148.585E 40km
5.7mb (40 obs.) 5.2Msz (14 obs.)

EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 00:40:13.9 1.4
Lat 7.46S 0.10 Lon 148.88E 0.08
Dep 15.0 FIX Half-durotion 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.44 Plg=17 Azm=343
N -0.36 6 251
P -2.08 72 144
Best Double Couple:Mo=2.3*10**17
NP1:Strike= 82 Dip=28 Slip= -78
NP2: 248 63 -96

03 01 41 25.78 29.562S 111.805W 10km
5.4mb (22 obs.) 5.8Msz (13 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Dotо Used: GDSN
L.P.B.: 18S, 47C
Centroid Locotion:
Origin Time 01:41:33.9 0.2
Lat 29.91S 0.03 Lon 112.03W 0.02
Dep 15.0 FIX Half-duration 3.3
Principal Axes:
Scole 10**17 Nm
T Vol= 7.66 Plg= 3 Azm=270
N 0.15 74 12
P -7.80 16 179
Best Double Couple:Mo=7.7*10**17
NP1:Strike=316 Dip=77 Slip=-171
NP2: 224 82 -13

03 13 18 49.28 7.179S 148.540E 14km
6.0mb (53 obs) 6.0Msz (26 obs.)
EAST PAPUA NEW GUINEA REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=260 Dip=75 Slip= -25
NP2: 357 66 -164
Principal Axes:
T Plg= 6 Azm=310
P 28 217
Comment: The focal mechanism is poorly controlled ond corresponds to strike-slip foulting with o moderote normol component. The preferred foult plone is not determined.
RADIATED ENERGY
No. of sto: 12 Focal mech. F
Energy 9.2±1.9*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sto: 14
Principal Axes:
Scole 10**18 Nm
T Val= 2.31 Plg= 4 Azm=311
N 0.08 86 143
P -2.40 1 41
Best Double Couple:Mo=2.4*10**18
NP1:Strike= 86 Dip=87 Slip= 2
NP2: 355 88 177
CENTROID, MOMENT TENSOR (HRV)
Dotо Used: GDSN
L.P.B.: 21S, 55C
Centroid Locotion:
Origin Time 13:18:58.7 0.3
Lat 7.42S 0.04 Lon 148.61E 0 03
Dep 15.0 FIX Half-duration 4.2
Principal Axes:
Scole 10**18 Nm
T Val= 1.56 Plg= 8 Azm=344
N -0.07 2 75
P -1.48 82 178
Best Double Couple:Mo=1.5*10**18
NP1:Strike= 72 Dip=37 Slip= -93
NP2: 256 53 -88

03 15 18 44.93 7.324S 148.578E 25km
5.7mb (35 obs.) 5.0Msz (9 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Dotо Used: GDSN
L.P.B.: 15S, 27C
Centroid Locotion:
Origin Time 15:18:53.9 1.1
Lot 6.51S 0.14 Lon 148.78E 0.13
Dep 15.0 FIX Half-durotion 2.1
Principal Axes:
Scole 10**17 Nm
T Val= 1.51 Plg=10 Azm=338
N -0.04 22 72
P -1.47 66 225
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 43 Dip=40 Slip=-125
NP2: 266 58 -64

03 20 38 37.94 1.973N 126.731E 84km
5.2mb (18 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Dotо Used: GDSN
L.P.B.: 16S, 32C
Centroid Locotion:
Origin Time 20:38:40.4 0.4
Lot 2.48N 0.05 Lon 126.84E 0.05
Dep 15.0 FIX Half-durotion 2.5
Principal Axes:
Scole 10**17 Nm
T Vol= 7.18 Plg=46 Azm=199
N -1.93 5 295
P -5.25 43 30
Best Double Couple:Mo=6.2*10**17
NP1:Strike=187 Dip= 6 Slip= 162
NP2: 295 88 85

05 14 57 11.59 23.613N 95.901E 20km
6.2mb (73 obs.) 7.1Msz (28 obs.)
BURMA
FAULT PLANE SOLUTION. P-Waves
NP1:Strike=275 Dip=88 Slip= -5
NP2: 5 85 -178
Principal Axes:
T Plg= 2 Azm=320
P 5 230
Comment: The focol mechonism is moderotely well controlled ond corresponds to strike-slip foulting. The preferred foult plone is not determined.
RADIATED ENERGY
No. of sto: 4 Focol mech. F
Energy 1.9±0.9*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 12 No. of sto: 7
Principal Axes:
Scole 10**19 Nm
T Val= 2.42 Plg= 3 Azm=312
N -0.01 52 45
P -2.42 38 220
Best Double Couple.Mo=2.4*10**19
NP1:Strike= 3 Dip=62 Slip=-153
NP2: 259 66 -31
CENTROID, MOMENT TENSOR (HRV)
Dotо Used: GDSN
L.P.B.: 19S, 52C M.W.: 24S, 65C
Centroid Locotion:
Origin Time 14:57:24.4 0.1
Lot 23.61N 0.01 Lon 96.18E 0.01
Dep 20.9 1.1 Half-durotion 10.0
Principal Axes:
Scole 10**19 Nm
T Vol= 3.14 Plg=25 Azm=321
N -0.07 64 126
P -3.08 6 228
Best Double Couple:Mo=3.1*10**19
NP1:Strike= 2 Dip=68 Slip= 166
NP2: 97 77 23

06 03 01 58.46 0.571N 98.549E 57km
5.8mb (83 obs.) 4.9Msz (15 obs.)
NORTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Dotо Used: GDSN
L.P.B.: 19S, 37C
Centroid Locotion:
Origin Time 03:02: 0.5 0.5
Lot 0.13N 0.04 Lon 98.69E 0.05
Dep 60.2 3.4 Half-durotion 1.9
Principal Axes:
Scole 10**17 Nm
T Val= 1 35 Plg=74 Azm= 35
N -0.03 0 127
P -1.33 16 217
Best Double Couple:Mo=1.3*10**17
NP1:Strike=307 Dip=29 Slip= 91
NP2: 127 61 90

07 02 32 12.25 55.446S 1.689W 10km
5.6mb (13 obs.) 4.8Msz (2 obs.)
BOUVET ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Dotо Used: GDSN
L.P.B.: 18S, 35C
Centroid Location:
Origin Time 02:32:19.1 0.4
Lot 55.30S 0.13 Lon 0.95W 0.12
Dep 15.0 FIX Half-durotion 1.5
Principal Axes:
Scole 10**16 Nm
T Vol= 10.31 Plg=18 Azm=262
N 0.70 8 355
P -11.02 70 108
Best Double Couple:Mo=1.1*10**17
NP1:Strike=339 Dip=28 Slip=-108
NP2: 179 63 -81

08 22 04 09.49 18.057S 173.534W 33km
6.1mb (63 obs.) 6.0Msz (34 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=163 Dip=57 Slip= 90
NP2: 343 33 90
Principal Axes:
T Plg=78 Azm= 73
P 12 253
Comment: The focol mechanism is poorly controlled ond corresponds to reverse faulting. The preferred fault plone is not determined.
RADIATED ENERGY
No. of sto: 14 Focol mech. F
Energy 1.7±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 34 No. of sto: 15
Principal Axes:
Scole 10**18 Nm
T Vol= 1.60 Plg=79 Azm= 39
N 0.89 8 175
P -2.49 8 267
Best Double Couple:Mo=2.0*10**18
NP1:Strike= 6 Dip=38 Slip= 103
NP2: 169 53 80
CENTROID, MOMENT TENSOR (HRV)
Dotо Used: GDSN
L.P B.: 24S, 62C
Centroid Location:
Origin Time 22:04:19.0 0.2
Lot 17.76S 0.02 Lon 173.12W 0.03
Dep 15 0 FIX Half-duration 3.7
Principal Axes:
Scole 10**18 Nm
T Vol= 2.06 Plg=73 Azm= 29
N -0.17 8 147
P -1.89 15 239
Best Double Couple:Mo=2.0*10**18
NP1:Strike=342 Dip=31 Slip= 107
NP2: 142 61 80

09 08 41 48.88 5.502S 151.899E 41km
5.3mb (26 obs.) 4.9Msz (12 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Dotо Used: GDSN
L.P.B.: 16S, 32C
Centroid Locotion:
Origin Time 08:41:55.0 0.4
Lot 5.36S 0.06 Lon 152.11E 0.05
Dep 15.0 FIX Half-durotion 2.1
Principal Axes:
Scole 10**17 Nm
T Vol= 2.08 Plg=60 Azm=355
N 0.17 7 253
P -2.25 29 160
Best Double Couple:Mo=2.2*10**17
NP1:Strike=231 Dip=17 Slip= 67
NP2: 75 74 97

09 15 08 53.58 5.396S 151.837E 28km
5.9mb (44 obs.) 5.9Msz (40 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 98 Dip=63 Slip= 90
NP2: 278 27 90
Principal Axes:
T Plg=72 Azm= 8
P 18 188
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred foult plone is NP2.
RADIATED ENERGY
No. of sto: 10 Focol mech. F
Energy 1.4±0.4*10**12 Nm

MOMENT TENSOR SOLUTION
Dep 20 No. af sta: 15
Principal Axes:
Scale 10**18 Nm
T Val= 1.37 Plg=61 Azm=350
N 0.00 2 256
P -1.36 29 165
Best Double Couple:Mo=1.4*10**18
NP1:Strike=249 Dip=16 Slip= 82
NP2: 77 74 92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 62C
Centroid Locatian:
Origin Time 15:09: 3.0 0.3
Lat 5.40S 0.03 Lan 152.09E 0.02
Dep 15.0 FIX Half-duration 4.3
Principal Axes:
Scale 10**18 Nm
T Val= 2.02 Plg=63 Azm=357
N 0.12 6 256
P -2.15 26 163
Best Double Cauple:Ma=2.1*10**18
NP1:Strike=240 Dip=19 Slip= 73
NP2: 78 71 96

10 00 39 38.84 5.482S 151.850E 20km
5.6mb (34 obs.) 5.3Msz (26 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 44C
Centraid Location:
Origin Time 00:39:48.1 0.4
Lat 5.41S 0.05 Lan 152.11E 0.04
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.76 Plg=61 Azm=356
N 0.55 6 254
P -6.31 28 161
Best Double Couple:Mo=6.0*10**17
NP1:Strike=234 Dip=18 Slip= 69
NP2: 76 73 97

10 03 41 02.69 18.006S 173.589W 23km
5.6mb (39 obs.) 5.3Msz (18 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 51C
Centraid Location:
Origin Time 03:41:12.2 0.3
Lat 17.90S 0.04 Lan 173.19W 0.03
Dep 16.1 1.4 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.72 Plg=83 Azm=270
N 0.57 1 172
P -4.29 7 82
Best Double Cauple:Ma=4.0*10**17
NP1:Strike=170 Dip=38 Slip= 88
NP2: 352 52 91

11 10 15 23.41 18.904S 178.844W 502km
5.3mb (40 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 30C
Centroid Location:
Origin Time 10:15:32.6 0.9
Lat 18.62S 0.10 Lon 178.80W 0.06
Dep 526.4 3.4 Half-duratian 4.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.30 Plg= 4 Azm=195
N 0.05 82 69
P -1.35 6 285
Best Double Couple:Mo=1.3*10**17
NP1:Strike=330 Dip=82 Slip= -1
NP2: 60 89 -172

12 06 03 25.75 18.043S 173.530W 33km
5.4mb (26 obs.) 5.3Msz (14 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B : 19S, 43C
Centraid Location:
Origin Time 06:03:34.5 0.4
Lat 17.92S 0.05 Lon 173.23W 0.02
Dep 27.8 1.6 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 3.15 Plg=82 Azm=328
N 0.33 7 174
P -3.48 3 84
Best Double Couple:Ma=3.3*10**17
NP1:Strike=167 Dip=42 Slip= 79
NP2: 1 49 99

12 23 08 03.52 17.813S 172.934W 33km
4.9mb (12 obs.) 4.7Msz (1 abs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 28C
Centroid Location:
Origin Time 23:08: 5.9 0.8
Lat 17.93S 0.12 Lan 172.62W 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 8.65 Plg=69 Azm=313
N 0.39 6 207
P -9.04 21 115
Best Double Couple:Mo=8.8*10**16
NP1:Strike=195 Dip=25 Slip= 76
NP2: 30 66 96

13 11 54 36.65 2.928S 84.566E 10km
5.9mb (60 obs.) 5.3Msz (15 obs.)
SOUTH INDIAN OCEAN
RADIATED ENERGY
No. af sta: 3 Facal mech. F
Energy 3.3±1.8*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 40C
Centroid Location:
Origin Time 11:54:41.7 0.6
Lat 3.10S 0.05 Lon 84.25E 0.05
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.67 Plg=47 Azm=242
N -1.48 30 113
P -5.20 27 6
Best Double Couple:Mo=5.9*10**17
NP1:Strike= 48 Dip=33 Slip= 22
NP2: 300 78 121

14 14 12 10.00 25.187S 178.314E 555km
5.3mb (45 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 41C
Centraid Location:
Origin Time 14:12:20.9 0.4
Lat 24.83S 0.04 Lan 178.19E 0.03
Dep 599.5 2.0 Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 6.92 Plg=27 Azm=207
N -0.57 46 329
P -6.35 32 99
Best Double Couple:Mo=6.6*10**17
NP1:Strike=245 Dip=46 Slip=-176
NP2: 152 87 -44

14 21 11 04.22 18.029N 101.700W 31km
5.3mb (39 obs.) 5.0Msz (6 obs.)
GUERRERO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centraid Location:
Origin Time 21:11:14.7 0.8
Lat 18.39N 0.06 Lan 101.37W 0.05
Dep 67.8 3.6 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.73 Plg=60 Azm=281
N 0.31 28 121
P -2.04 9 26
Best Double Couple:Mo=1.9*10**17
NP1:Strike= 87 Dip=44 Slip= 47
NP2. 320 59 124

15 01 40 50.83 23.168S 179.685W 586km
5.5mb (51 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Locatian:
Origin Time 01:41: 0.3 1.2
Lat 22.57S 0.13 Lan 179.94E 0.07
Dep 570.8 4.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.35 Plg=34 Azm= 91
N 0.05 2 182
P -1.40 55 275
Best Double Couple:Mo=1.4*10**17
NP1:Strike=173 Dip=11 Slip= -99
NP2: 2 79 -88

15 13 43 47.58 5.990S 154.460E 58km
5.6mb (37 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 59C
Centroid Locatian:
Origin Time 13:43:50.9 0.3
Lat 6.25S 0.03 Lan 154.21E 0.02
Dep 69.8 1.3 Half-duratian 3.7
Principal Axes:
Scale 10**18 Nm
T Val= 1.21 Plg=87 Azm=291
N 0.04 2 138
P -1.25 1 48
Best Double Couple:Mo=1.2*10**18
NP1:Strike=135 Dip=44 Slip= 87
NP2: 320 46 93

16 06 04 55.31 13.783N 90.687W 69km
4.8mb (15 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.. 15S, 28C
Centroid Location:
Origin Time 06:04:56.3 0.4
Lot 13.66N 0.04 Lan 90.51W 0.06
Dep 92.3 4.0 Half-duratian 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.02 Plg=38 Azm= 57
N 0.05 20 310
P -2.06 45 199
Best Double Couple:Mo=2.0*10**17
NP1:Strike=209 Dip=21 Slip= -11
NP2: 309 86 -110

17 17 22 52.49 23.686N 108.877W 10km
5.2mb (24 obs.) 4.6Msz (7 obs.)
GULF OF CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 23C
Centraid Location:
Origin Time 17:23: 3.0 0.4
Lat 24.63N 0.06 Lan 108.81W 0.06
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.54 Plg= 0 Azm=115
N -1.68 0 25
P -7.86 90 180
Best Double Couple:Mo=8.7*10**16
NP1:Strike=205 Dip=45 Slip= -90
NP2: 25 45 -90

17 20 11 31.20 5.003S 151.204E 144km
5.6mb (52 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 20:11:39.6 0.4
Lat 4.77S 0.04 Lan 151.27E 0.04
Dep 147.1 1.3 Half-duration 3.0
Principal Axes
Scale 10**17 Nm
T Val= 6.27 Plg=22 Azm=139
N -0.94 49 256
P -5.32 33 34
Best Double Couple:Mo=5.8*10**17
NP1:Strike=180 Dip=50 Slip=-171
NP2: 84 83 -40

18 01 36 26.69 23.692N 121.346E 11km
5.9mb (83 obs.) 5.5Msz (7 obs.)
TAIWAN

FAULT PLANE SOLUTION: P-Waves
NP1:Strike=200 Dip=77 Slip= 8
NP2: 108 82 167
Principal Axes:
T Plg=15 Azm= 64
P 4 155
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 01:36:25.9 0.4
Lat 23.09N 0.08 Lon 120.50E 0.07
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.59 Plg=29 Azm= 32
N 0.11 1 301
P -3.70 61 208
Best Double Couple:Mo=3.6*10**17
NP1:Strike=125 Dip=16 Slip= -85
NP2: 300 74 -91

18 09 08 20.38 15.092N 147.649E 26km
5.2mb (21 obs.) 4.9Msz (5 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 27C
Centroid Location:
Origin Time 09:08:23.0 0.5
Lat 15.25N 0.08 Lon 147.92E 0.07
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.09 Plg=16 Azm=296
N -0 25 9 29
P -8.84 71 146
Best Double Couple:Mo=9.0*10**16
NP1:Strike= 13 Dip=30 Slip=-108
NP2: 214 62 -80

18 10 45 18.47 51.145S 139.415E 10km
5.7mb (30 obs.) 6.3Msz (26 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 44C M.W.: 14S, 31C
Centroid Location:
Origin Time 10:45:25.5 0.1
Lat 51.18S 0.02 Lon 139.65E 0.02
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 3.37 Plg=12 Azm=222
N 0.15 71 96
P -3.51 15 315
Best Double Couple:Mo=3.4*10**18
NP1:Strike=358 Dip=71 Slip= -3
NP2: 89 87 -161

19 22 56 26.00 5.576S 148.331E 163km
5.9mb (61 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=130 Dip=70 Slip= -90
NP2: 310 20 -90
Principal Axes:
T Plg=25 Azm=220
P 65 40
Comment: The focal mechanism is maderately well contralled and corresponds to narmal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 3.1±1.2*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 162 No. of sta: 13
Principal Axes.
Scale 10**17 Nm
T Val= 3.30 Plg=25 Azm=222
N -0.28 8 316
P -3.02 64 62
Best Double Couple:Mo=3.2*10**17
NP1:Strike=295 Dip=21 Slip=-112
NP2: 139 71 -82

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 30C
Centroid Location:
Origin Time 22:56:33.4 0.5
Lat 5.51S 0.05 Lan 148.22E 0.03
Dep 166.4 1.1 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.92 Plg=26 Azm=242
N 0.73 4 334
P -3.64 64 72
Best Double Couple:Mo=3.3*10**17
NP1:Strike=321 Dip=20 Slip=-103
NP2: 155 71 -85

20 00 09 54.17 3.158S 12.278W 10km
5.3mb (35 obs.) 4.8Msz (7 obs.)
NORTH OF ASCENSION ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 28C
Centraid Lacatian:
Origin Time 00:10: 2.8 0.4
Lat 2.75S 0.06 Lon 12.44W 0.04
Dep 15.0 FIX Half-duratian 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.38 Plg= 0 Azm=261
N -0.14 0 171
P -1.24 90 180
Best Double Couple:Mo=1.3*10**17
NP1:Strike=351 Dip=45 Slip= -90
NP2: 171 45 -90

20 11 32 52.16 21.235S 170.029E 78km
5.8mb (42 obs.)
LOYALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=278 Dip=86 Slip= -81
NP2: 32 10 -156
Principal Axes:
T Plg=40 Azm=360
P 48 198
Comment: The focal mechanism is poorly controlled and corresponds to narmal faulting with a small strike-slip component. The preferred fault plane is nat determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 9.5±3.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 95 No. of sta: 12
Principal Axes:
Scale 10**17 Nm
T Val= 9.36 Plg=31 Azm=322
N -0.01 51 99
P -9.35 21 218
Best Double Couple:Mo=9.4*10**17
NP1:Strike=357 Dip=52 Slip= 172
NP2: 92 84 39
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 41C
Centroid Location:
Origin Time 11:33: 2.2 0.3
Lat 21.03S 0.03 Lon 169.72E 0.02
Dep 77.0 1.6 Half-duratian 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 11.38 Plg=26 Azm=338
N -1.27 40 92
P -10.11 39 224
Best Double Couple:Mo=1.1*10**18
NP1:Strike= 18 Dip=41 Slip=-168
NP2: 278 82 -50

23 01 12 29.75 51.965N 178.838E 108km
5.7mb (93 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=207 Dip=70 Slip= 29
NP2: 106 63 157
Principal Axes:
T Plg=34 Azm= 69
P 5 335
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is nat determined.
RADIATED ENERGY
No. of sta: 13 Focal mech. F
Energy 9.6±2.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 99 No. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Val= 6.05 Plg=43 Azm=103
N 0.02 30 225
P -6.07 32 337
Best Double Couple:Mo=6.1*10**18
NP1:Strike=122 Dip=31 Slip= 169
NP2: 222 84 60
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 54C M.W.: 13S, 28C
Centroid Lacotian:
Origin Time 01:12:34.9 0.1
Lat 52.13N 0.01 Lon 179.02E 0.01
Dep 102.0 0.8 Half-duratian 6.0
Principal Axes:
Scale 10**18 Nm
T Val= 5.79 Plg=34 Azm= 79
N -1.44 47 215
P -4.35 23 333
Best Double Couple:Mo=5.1*10**18
NP1:Strike=112 Dip=48 Slip= 171
NP2: 208 84 43

24 20 01 18.18 2.266N 126.718E 54km
5.4mb (33 obs.) 4.2Msz (3 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Lacation:
Origin Time 20:01:24.4 0.4
Lat 2.56N 0.06 Lon 126.58E 0.06
Dep 39.9 3.5 Half-duratian 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.06 Plg=81 Azm=114
N 0.40 1 210
P -1.46 9 301
Best Double Couple:Mo=1.3*10**17
NP1:Strike= 32 Dip=36 Slip= 92
NP2: 210 54 89

25 17 38 36.51 2.152S 139.020E 22km
5.9mb (55 obs.) 5.9Msz (35 obs.)
NEAR N. COAST OF WEST IRIAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=323 Dip=72 Slip= 90
NP2: 143 18 90
Principal Axes:
T Plg=63 Azm=233
P 27 53
Comment: The focal mechanism is paorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. af sta: 9 Facal mech. F
Energy 2.2±0.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 2 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 3.37 Plg=63 Azm=255
N 0.44 14 135
P -3.81 23 39
Best Double Couple:Mo=3.6*10**18
NP1:Strike=103 Dip=26 Slip= 55
NP2: 321 69 105
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Lacatian:
Origin Time 17:38:43.0 0.4
Lat 1.72S 0.04 Lon 139.11E 0.03
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.85 Plg=67 Azm=221
N 0.01 1 312
P -1.86 23 43
Best Double Couple:Mo=1.9*10**18
NP1:Strike=135 Dip=22 Slip= 92
NP2: 312 68 89

26 00 19 12.89 3.515S 102.630E 113km
5.5mb (50 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 00:19:16.1 0.5
Lat 3.82S 0.04 Lon 102.52E 0.06
Dep 121.6 1.9 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.99 Plg=30 Azm= 58
N 0.07 59 250
P -2.06 5 151
Best Double Couple:Mo=2.0*10**17
NP1:Strike=199 Dip=65 Slip= 19
NP2: 101 73 154

26 21 23 16.38 30.496S 177.495W 43km
5.6mb (8 obs.) 4.6Msz (1 obs.)
KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 21:23:26.3 0.4
Lat 29.68S 0.06 Lon 177.92W 0.05
Dep 71.5 5.5 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.41 Plg=35 Azm=235
N -0.10 11 333
P -1.31 53 77
Best Double Couple:Mo=1.4*10**17
NP1:Strike=285 Dip=14 Slip=-138
NP2: 154 81 -79

27 06 26 27.94 10.767S 164.277E 33km
5.3mb (37 obs.) 4.7Msz (6 obs.)
SANTA CRUZ ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 06:26:34.9 0.8
Lat 10.14S 0.12 Lon 164.06E 0.09
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 1.38 Plg=36 Azm=103
N -0.27 23 355
P -1.10 45 240
Best Double Couple:Mo=1.2*10**17
NP1:Strike=253 Dip=24 Slip= -12
NP2: 353 85 -113

27 09 25 30.84 3.553S 149.085E 51km
4.9mb (7 obs.) 4.9Msz (5 obs.)
BISMARCK SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 34C
Centroid Location:
Origin Time 09:25:32.4 0.4
Lat 3.19S 0.04 Lon 149.01E 0.03
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.08 Plg= 0 Azm=147
N 0.05 90 180
P -2.13 0 57
Best Double Couple:Mo=2.1*10**17
NP1:Strike=192 Dip=90 Slip=-180
NP2: 282 90 0

28 07 43 15.50 27.008N 44.600W 10km
4.9mb (46 obs.) 5.0Msz (3 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 27C
Centroid Location:
Origin Time 07:43:17.6 0.4
Lat 27.01N 0.06 Lon 44.17W 0.04
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.24 Plg= 0 Azm=100
N -0.14 0 10
P -1.10 90 180
Best Double Couple:Mo=1.2*10**17
NP1:Strike=190 Dip=45 Slip= -90
NP2: 10 45 -90

28 09 06 37.35 10.508N 125.707E 60km
5.4mb (39 obs.)
LEYTE, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 09:06:39.6 0.5
Lat 9.97N 0.08 Lon 126.20E 0.08
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.56 Plg=61 Azm=315
N 0.25 8 210
P -1.81 28 116
Best Double Couple:Mo=1.7*10**17
NP1:Strike=186 Dip=19 Slip= 65
NP2: 33 73 98

28 12 58 48.73 41.985S 171.701E 27km
5.9mb (27 obs.) 5.3Msz (21 obs.)
SOUTH ISLAND, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 39C
Centroid Location:
Origin Time 12:58:51.0 0.3
Lat 41.76S 0.04 Lon 171.70E 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 4.33 Plg=59 Azm= 53
N 0.05 29 209
P -4.39 11 305
Best Double Couple:Mo=4.4*10**17
NP1:Strike= 66 Dip=42 Slip= 136
NP2: 192 62 57

28 18 00 53.78 42.009S 171.700E 19km
5.6mb (33 obs.) 5.6Msz (25 obs.)
SOUTH ISLAND, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 44C
Centroid Location:
Origin Time 18:00:56.9 0.2
Lat 42.03S 0.03 Lon 171.86E 0.04
Dep 15.0 BDY Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 6.31 Plg=68 Azm=246
N 1.38 17 23
P -7.70 14 117
Best Double Couple:Mo=7.0*10**17
NP1:Strike=229 Dip=34 Slip= 121
NP2: 13 61 71

29 03 13 13.35 44.159S 94.223E 10km
5.2mb (12 obs.) 5.3Msz (6 obs.)
SOUTHEAST INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 51C
Centroid Location:
Origin Time 03:13:17.7 0.4
Lat 44.07S 0.04 Lon 93.98E 0.06
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.88 Plg=15 Azm=229
N -0.91 71 11
P -1.98 11 136
Best Double Couple:Mo=2.4*10**17
NP1:Strike=272 Dip=72 Slip= 177
NP2: 3 87 18

29 05 29 05.15 16.917N 85.542W 44km
4.8mb (12 obs.) 4.5Msz (3 obs.)
CARIBBEAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 05:29: 4.4 0.5
Lat 17.18N 0.05 Lon 85.66W 0.05
Dep 33.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.99 Plg= 8 Azm=119
N 1.22 81 324
P -12.21 4 209
Best Double Couple:Mo=1.2*10**17
NP1:Strike=254 Dip=81 Slip= 3
NP2: 164 87 171

29 16 04 00.06 14.998S 75.740W 27km
5.2mb (22 obs.) 5.0Msz (6 obs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 16:04: 1.5 0.4
Lat 15.58S 0.09 Lon 75.81W 0.07
Dep 22.6 3.4 Half-duration 1.6
Principal Axes.
Scale 10**16 Nm
T Val= 6.24 Plg=63 Azm=135
N 0.02 24 343
P -6.26 11 248
Best Double Couple:Mo=6.2*10**16
NP1:Strike=311 Dip=40 Slip= 50
NP2: 178 61 118

29 22 46 40.52 12.887N 90.865W 51km
5.1mb (56 obs.) 4.6Msz (8 obs.)
OFF COAST OF CENTRAL AMERICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 22:46:38.9 0.6
Lat 12.91N 0.07 Lon 91.46W 0.05
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.46 Plg= 2 Azm= 31
N -0.27 24 122
P -1.19 66 297
Best Double Couple:Mo=1.3*10**17
NP1:Strike= 99 Dip=48 Slip=-123
NP2: 323 51 -59

30 07 43 42.94 64.394N 20.807W 10km
5.1mb (43 obs.) 4.6Msz (5 obs.)
ICELAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centroid Location:
Origin Time 07:43:53.1 1.1
Lat 64.54N 0.11 Lon 21.47W 0.18
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.59 Plg=13 Azm=313
N 0.53 10 45
P -8.12 73 172
Best Double Couple:Mo=7.9*10**16
NP1:Strike= 29 Dip=33 Slip=-109
NP2: 231 59 -78

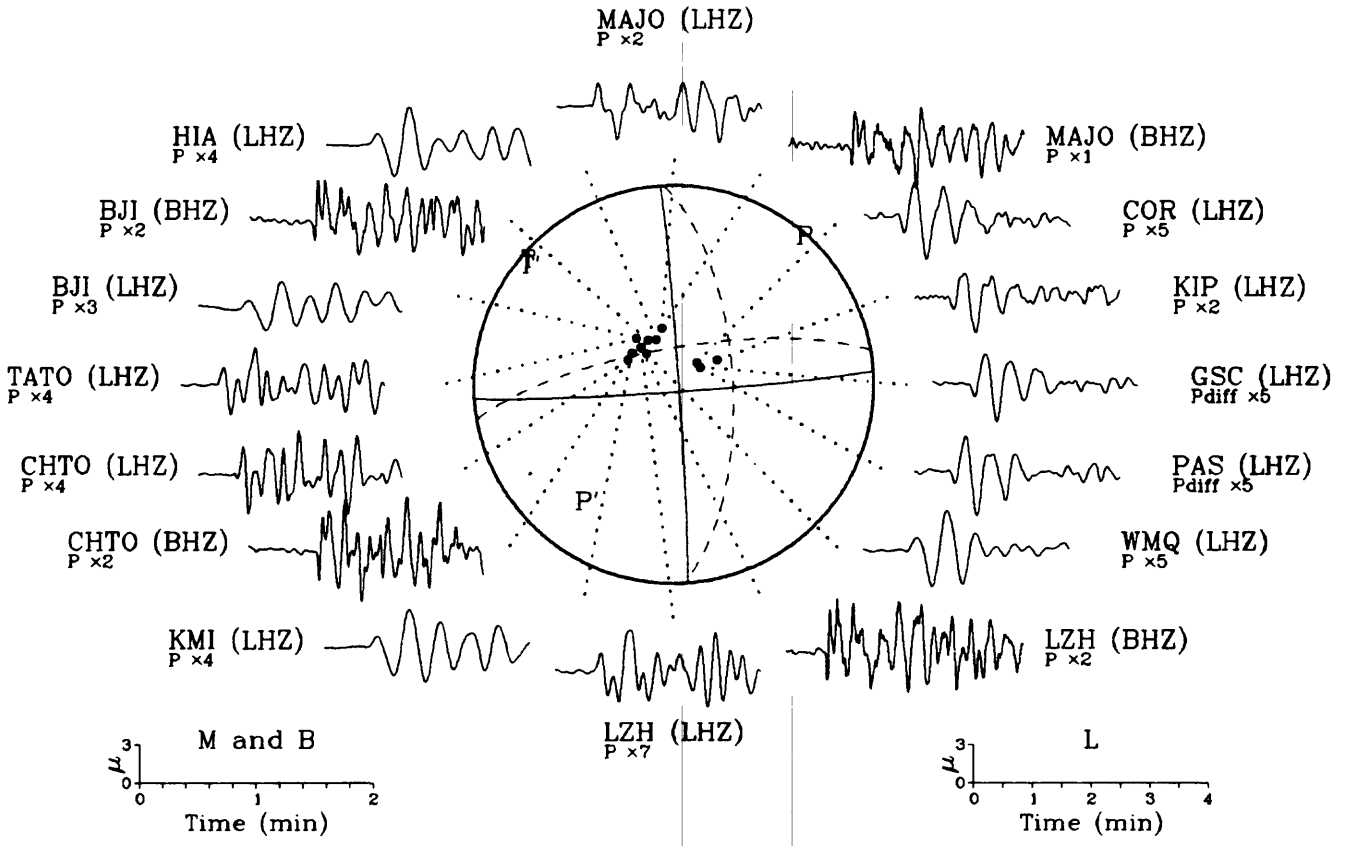
31 02 13 31.96 0.511N 126.082E 37km
5.6mb (38 obs.) 5.3Msz (12 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 02:13:36.6 0.4
Lat 0.82N 0.05 Lon 126.27E 0.05
Dep 48.7 2.8 Half-duration 2.5
Principal Axes.
Scale 10**17 Nm
T Val= 3.85 Plg=71 Azm=195
N 2.41 19 28
P -6.26 4 296
Best Double Couple:Mo=5.1*10**17
NP1:Strike= 7 Dip=44 Slip= 62
NP2: 223 52 114

31 23 03 33.67 35.993N 70.423E 142km
6.4mb (87 obs.)
HINDU KUSH REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=100 Dip=67 Slip= 90
NP2: 280 23 90
Principal Axes:
T Plg=68 Azm= 10
P 22 190
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault

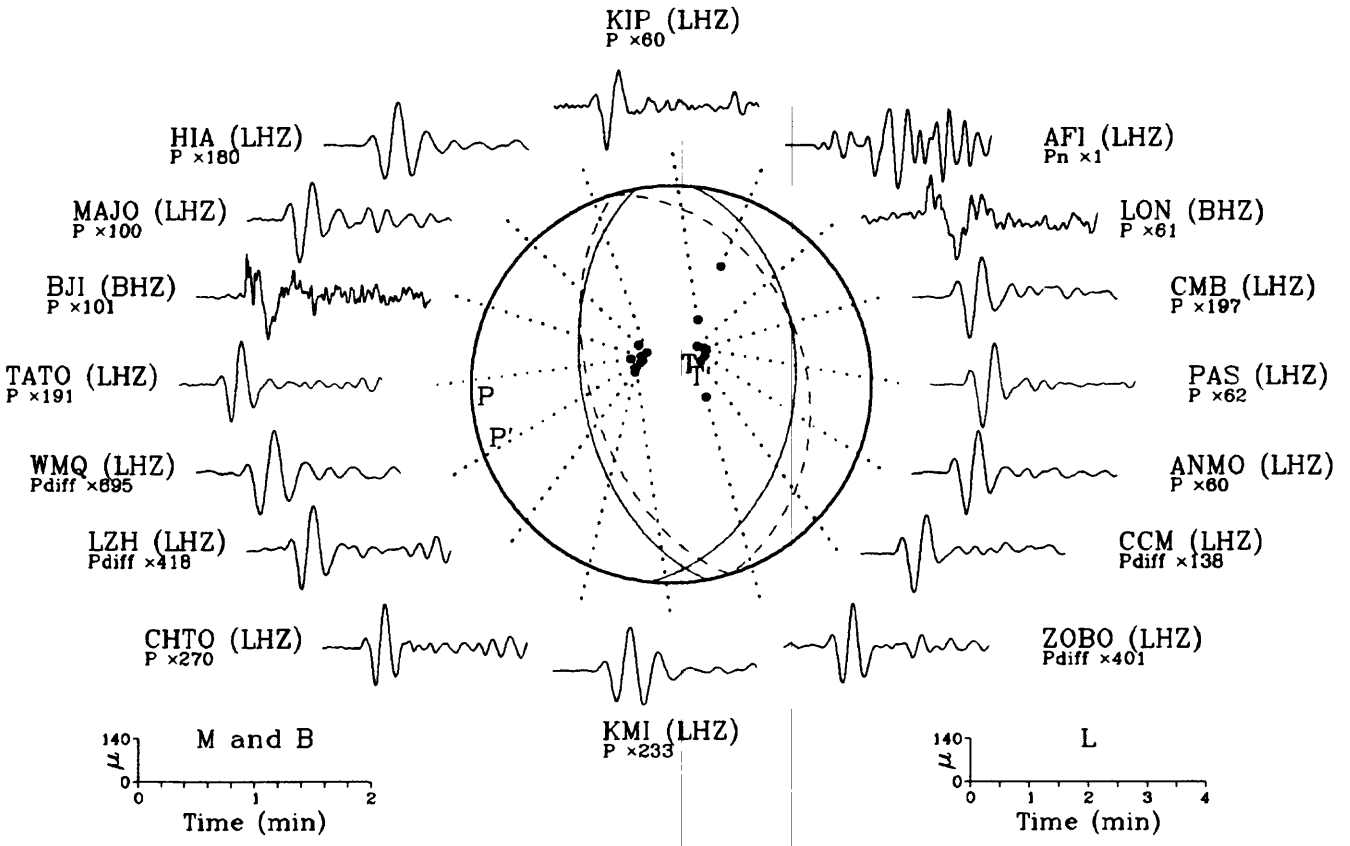
plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 5.6±1.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 118 No. of sta: 15
Principal Axes:
Scale 10**19 Nm
T Val= 1.45 Plg=56 Azm= 70
N -0.07 34 255
P -1.39 2 164
Best Double Couple:Mo=1.4*10**19
NP1:Strike=224 Dip=52 Slip= 45
NP2: 102 56 132
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 39C M.W.: 16S, 40C
Centroid Location:
Origin Time 23:03:45.9 0.2
Lat 36.01N 0.01 Lon 70.23E 0.02
Dep 126.1 0.9 Half-duration 10.0
Principal Axes:
Scale 10**19 Nm
T Val= 2.28 Plg=61 Azm= 9
N -0.17 6 268
P -2.11 29 174
Best Double Couple:Mo=2.2*10**19
NP1:Strike=247 Dip=17 Slip= 68
NP2: 90 74 97

Compiled by Pingsheng Chang, Willis S. Jacobs, Christina K. Lavanne, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

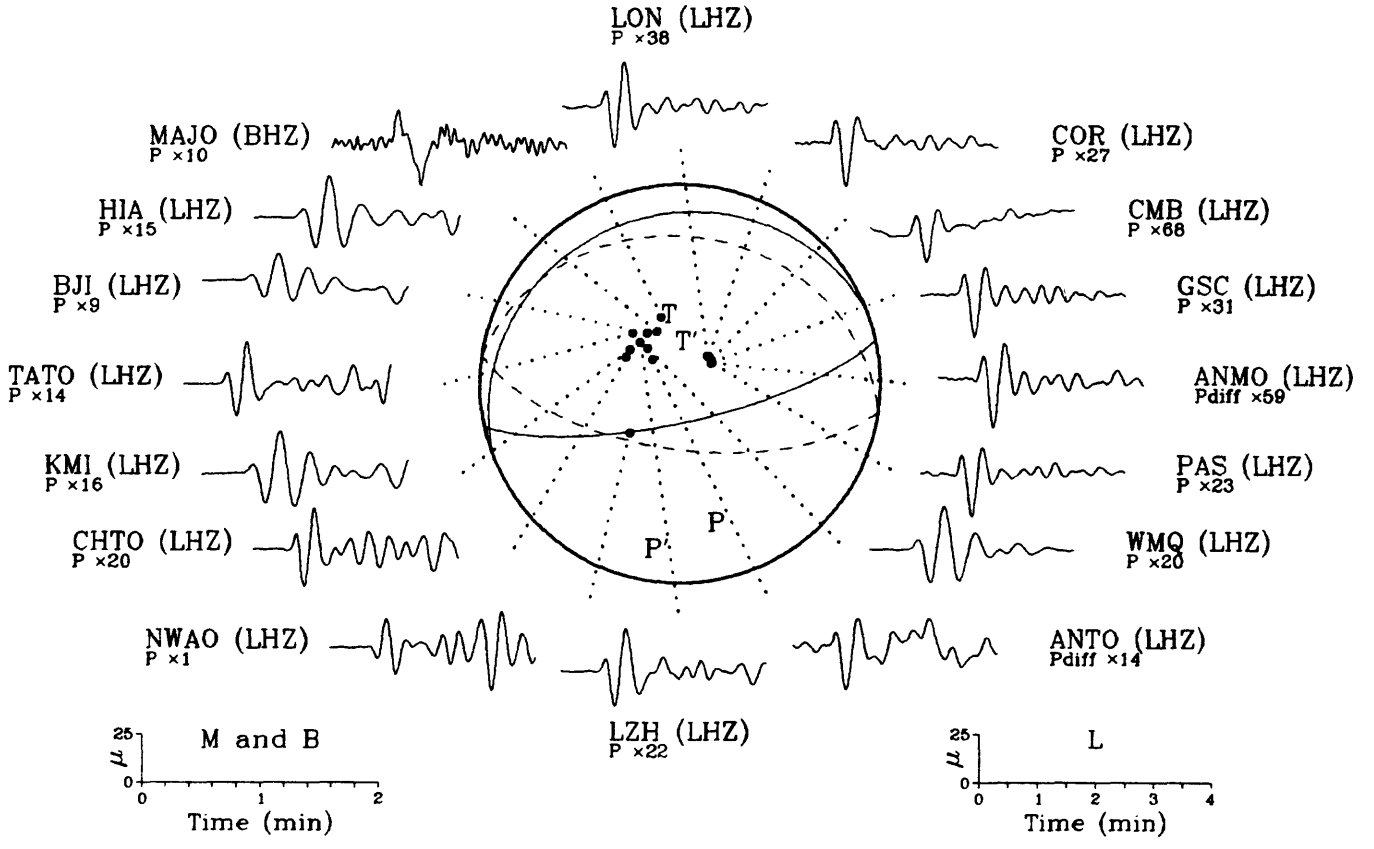
03 January 1991 13:18:49.28
East Papua New Guinea Region



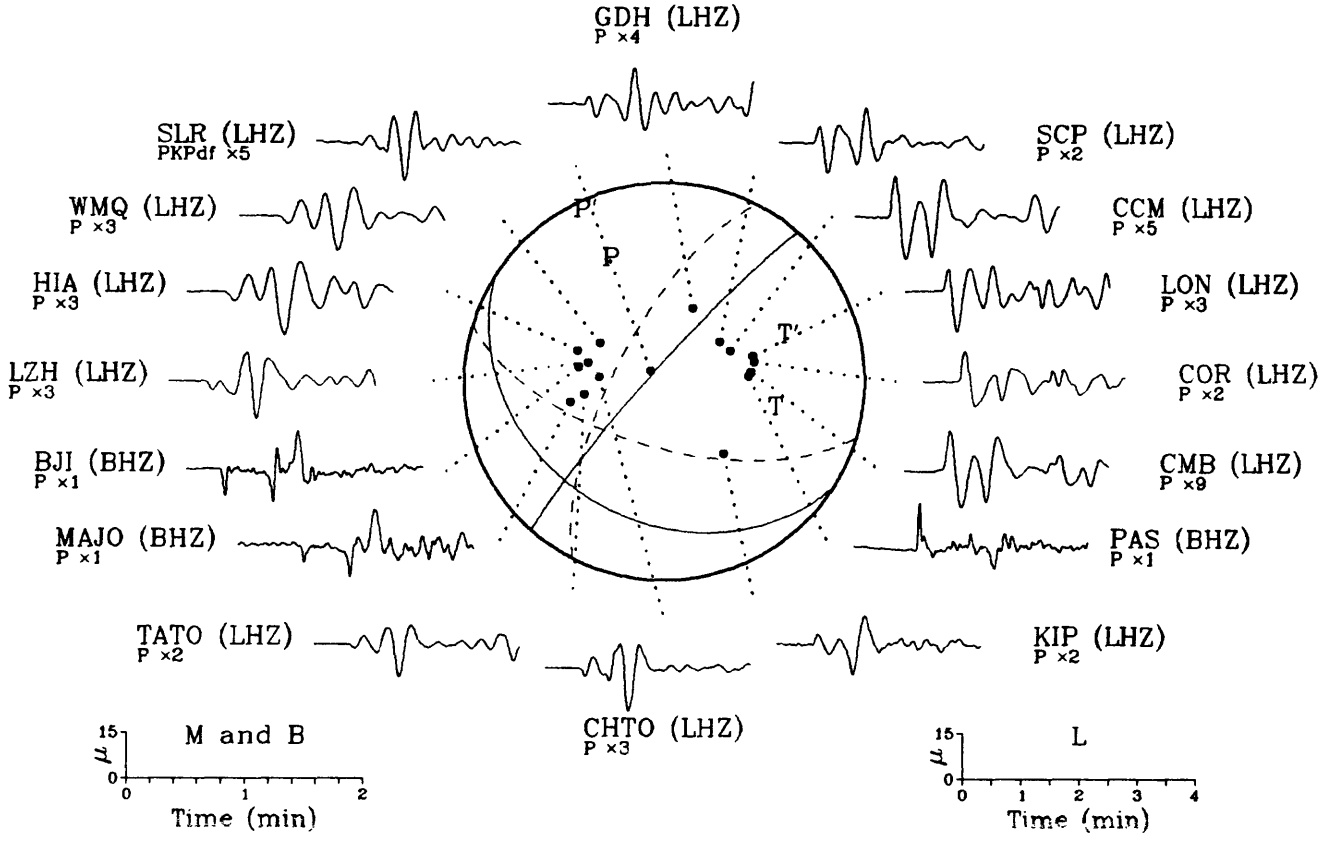
08 January 1991 22:04:09.49
Tonga Islands



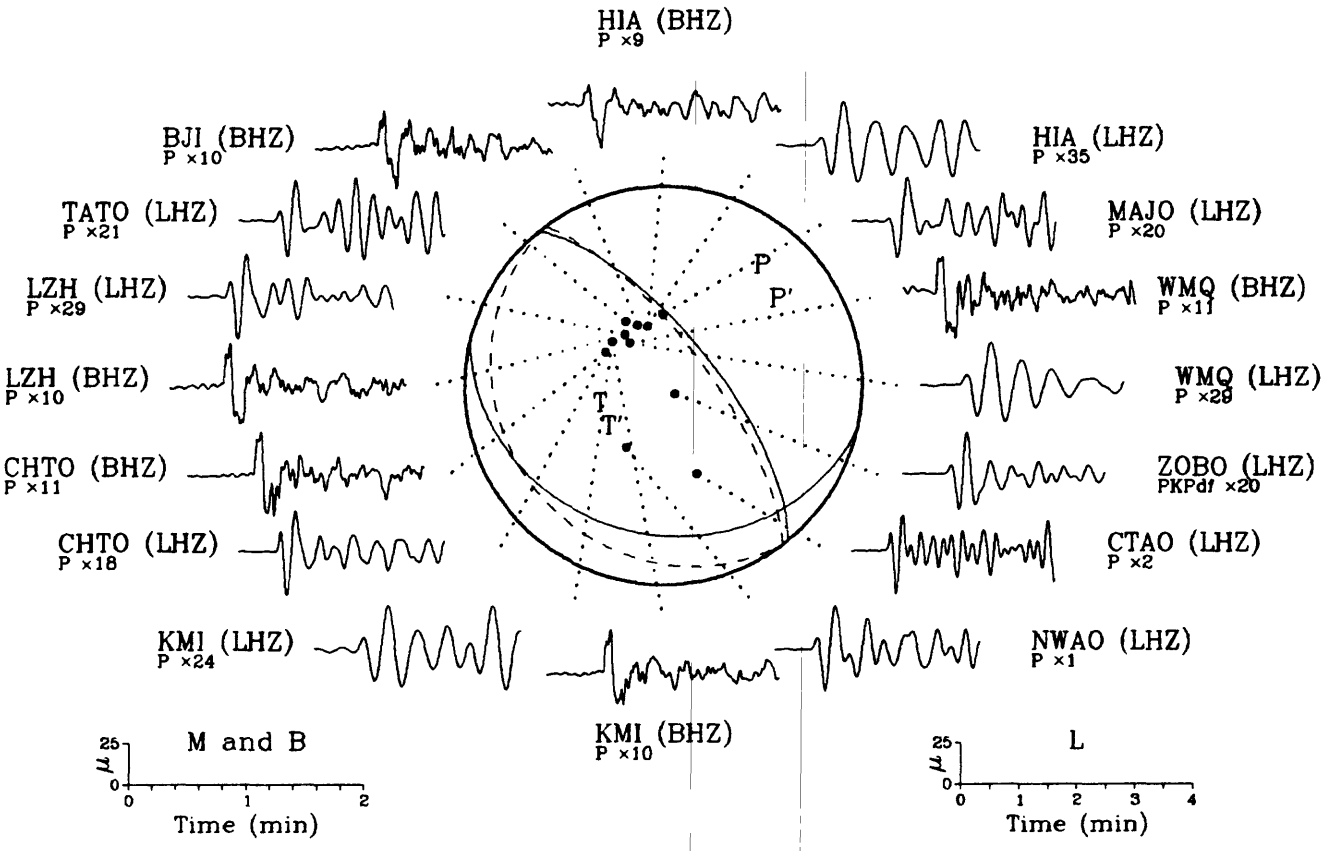
09 January 1991 15:08:53.58
New Britain Region



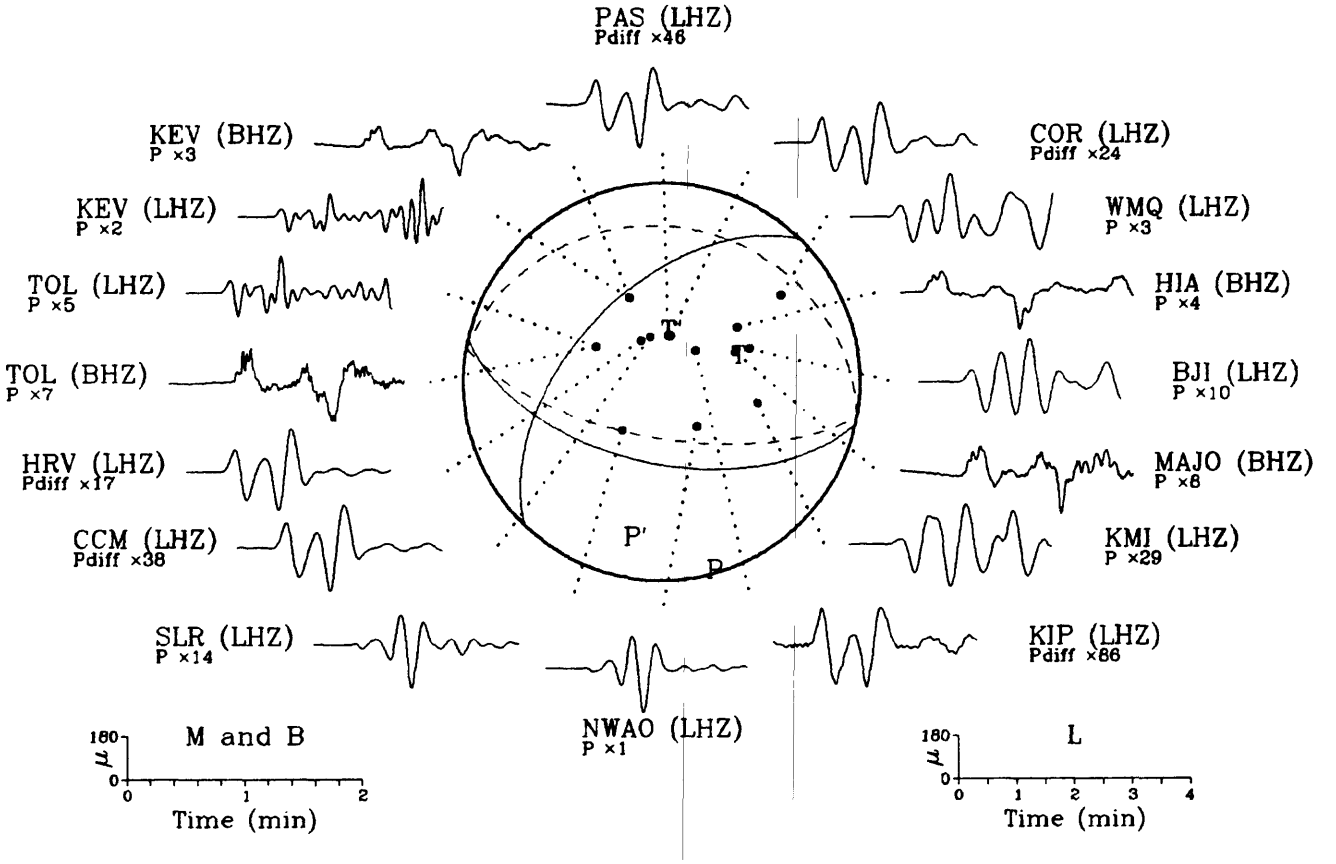
23 January 1991 01:12:29.75
Rat Islands, Aleutian Islands



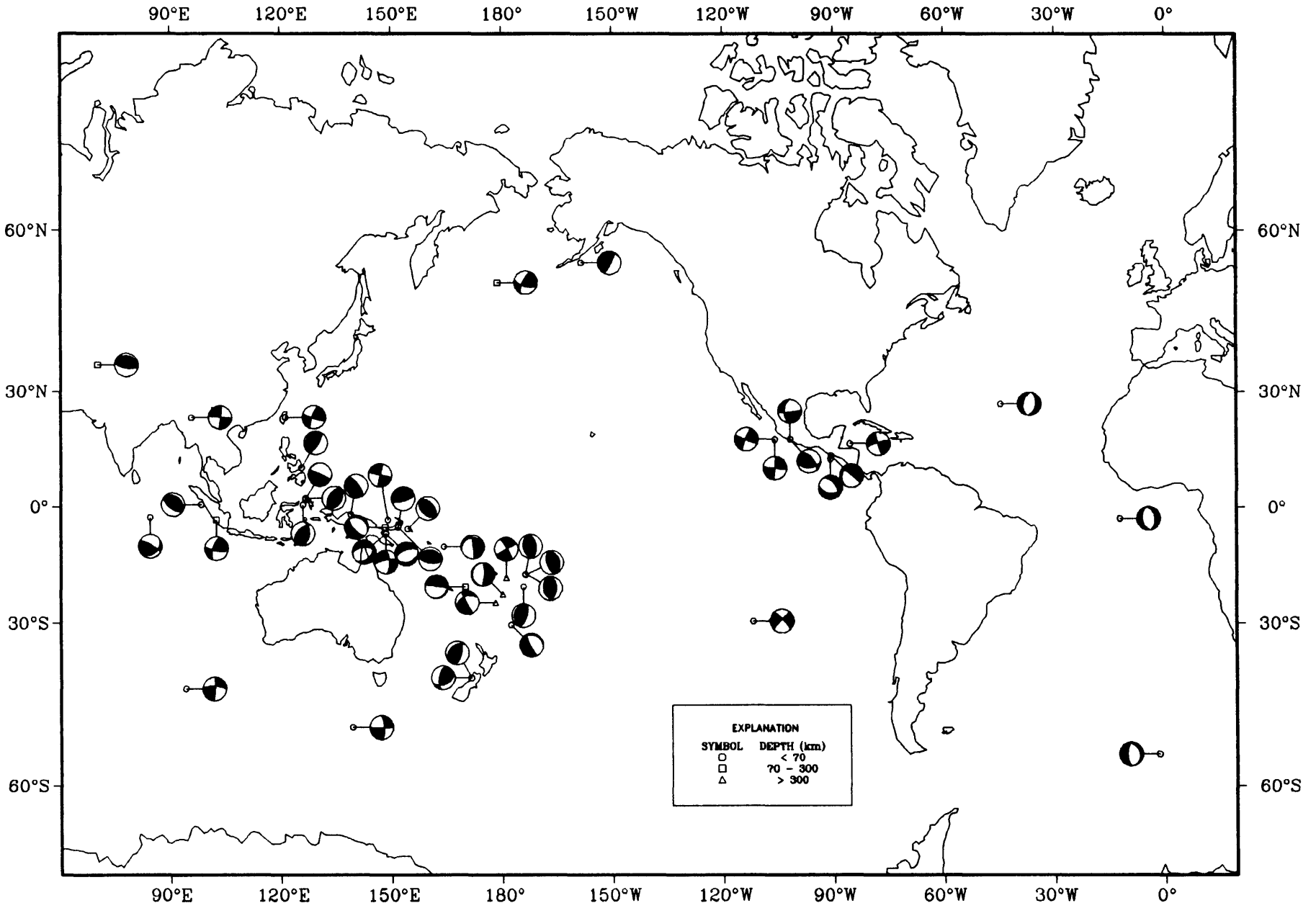
25 January 1991 17:38:36.51
Near N. Coast of West Irian



31 January 1991 23:03:33.67
Hindu Kush Region



Earthquake Focal Mechanisms for January 1991



SIGNIFICANT EARTHQUAKES OF THE WORLD 1990

Earthquakes of magnitude 6.5 or greater or ones that caused fatalities injuries or substantial damage.
BRK--Berkeley PAS--Pasadena.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
FEB 08	07 15 32.2	9.755 N	124.694 E	26 G	6.2	6.6	1.4	322	MINDANAO, PHILIPPINE ISLANDS. Ms 6.5 (BRK), 6.3 (PAS). Felt (VII RF) on Bohol; (VI) at Cebu; (V) at Cagayan de Oro and on Camiguin; (IV) at Cotabato and (III) at Palo. Also felt on Negros. Two events about 2 seconds apart
FEB 08	07 46 59.7	9.725 N	124.625 E	30 D	6.0	6.5	1.2	248	MINDANAO, PHILIPPINE ISLANDS. Felt (V RF) on Mactan.
FEB 09	17 57 26 4	31.677 N	121.032 E	10 G	5.0	4.3	1.2	72	EASTERN CHINA. One person injured slightly and minor damage in the Changshu area. Felt at Jiaxing, Nanjing, Nantong, Shanghai and Wuxi.
FEB 19	06 48 10.1	15.465 S	166.385 E	12 G	6.4	6.7	1.2	375	VANUATU ISLANDS. Ms 6.8 (BRK), 6.5 (PAS). Two events about 2 seconds apart.
FEB 28	23 43 36.6&	34.140 N	117.700 W	5	5.5	5.5		191	SOUTHERN CALIFORNIA. <PAS-P>. ML 5.2 (PAS), 6.2 (BRK). Thirty people received minor injuries and damage was estimated to be at least 12.7 million dollars. Some damage (VII) at Claremont, Covina, La Verne, Montclair, Mount Baldy, Ontario, Pomona, San Dimas, Upland and Walnut. Slight damage (VI) at Arcadia, Azusa, China, Colton, Compton, Glendora, Lincoln Heights, Lytle Creek, Pico Rivera and West Covina. Felt from Santa Barbara to Ensenada, Mexico and northeast as far as Las Vegas, Nevada.
MAR 03	12 16 27.9	22.122 S	175.163 E	33 G	6.3	7.4	1.3	322	SOUTH OF FIJI ISLANDS. Ms 7.4 (BRK), 7.1 (PAS).
MAR 03	12 44 22 4	22.405 S	174.164 E	33 N	6.1	6.6	1.0	156	LOYALTY ISLANDS REGION
MAR 04	19 46 19.6	28.925 N	66.331 E	10 D	5.8	6.1	1.2	339	PAKISTAN. At least 11 people killed, about 40 injured and many homes and buildings damaged in the Kalat area. Also felt at Quetta and Mastung. Complex event.
MAR 05	16 38 12 5	18.318 S	168 063 E	21 G	5.6	7 0	1.2	335	VANUATU ISLANDS. Ms 7.0 (BRK), 6.8 (PAS). Felt (V) at Port Vila.
MAR 12	14 41 19 4	51.484 N	175.032 W	14 G	6.0	6.2	1 1	487	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.7 (PMR). Ms 6.5 (BRK), 5.9 (PAS). Felt (IV) on Adak and Atka.
MAR 25	13 22 55.6	9.919 N	84 808 W	22 G	6.2	7 0	1.1	494	COSTA RICA. Ms 6.8 (BRK). Ten people slightly injured. Damage (VIII) in the Puntarenas area and about 60 buildings severely damaged (VII) in the San Jose area. Several landslides blocked roads in the area for a short time. Felt throughout Costa Rica and southwestern Nicaragua. Felt (IV) at Almirante and Puerto Armuelles and (III) at David, Panama.
MAR 26	22 47 16.7	9.253 N	125.606 E	39	5.6	5.5	1.1	190	MINDANAO, PHILIPPINE ISLANDS. One person killed, two injured and some damage in the Santiago area. Felt (IV RF) on Camiguin and (II) at Cotabato. Also felt at Gingoog.
APR 02	13 46 31.7	52.314 N	2.985 W	18	4.7		1.3	189	UNITED KINGDOM. ML 5.1 (LDG), 5.2 (BGS). MD 4.8 (STR). Damage (VI) in the Wrexham-Welshpool-Shrewsbury area. Some buildings damaged in Manchester and Liverpool. Felt throughout Wales, in eastern Ireland and in England from Newcastle-upon-Tyne to Kent and Cornwall.
APR 03	22 57 00.9	11.426 N	86.301 W	53	5.5	6.4	1.3	320	NEAR COAST OF NICARAGUA. Ms 6.7 (BRK), 5.9 (PAS). MD 6.6 (UPA), 5.9 (SJR). Felt (V) at Rivas and (IV) at Managua. Felt throughout much of Nicaragua. Felt (V) at Cuajiniquil and Liberia, (IV) at Puntarenas, (III) at San Jose and (II) at Limon, Costa Rica. Also felt (II) at San Salvador, El Salvador.
APR 05	21 12 35.5	15.125 N	147.596 E	11 G	6.5	7.5	1.2	328	MARIANA ISLANDS REGION. Ms 7.3 (PAS), 7.2 (BRK). Felt (IV) on Guam. Also felt on Saipan. A small tsunami was generated with maximum wave heights (peak-to-trough) at selected tide stations as follows: 24 cm at Murata-misaki, 24 cm at Kailua-Kona, 23 cm on Chichi-shima, 22 cm at Tosashimizu, 19 cm at Yaene, 6 cm on Midway, 4 cm on Wake Island and 3 cm on Truk. A tsunami was also observed on Guam and reported on Tinian and Saipan. Two events about 6 seconds apart.
APR 17	01 59 33.4	39.436 N	74.900 E	33 N	6.0	6 2	1 2	277	SOUTHERN XINJIANG, CHINA. Two people injured and many houses collapsed in Wuqia County. Felt at Kashi, Shufu and Wuqia.
APR 18	13 39 19.0	1.186 N	122.857 E	26 G	6.2	7.4	1 2	294	MINAHASSA PENINSULA. Ms 7.3 (BRK). At least 3 people killed and 25 people injured. More than 1,140 houses damaged in the Boloang-Gorontalo area. Felt strongly throughout the Minahassa Peninsula. Also felt in central Sulawesi Two events about 4.5 seconds apart.

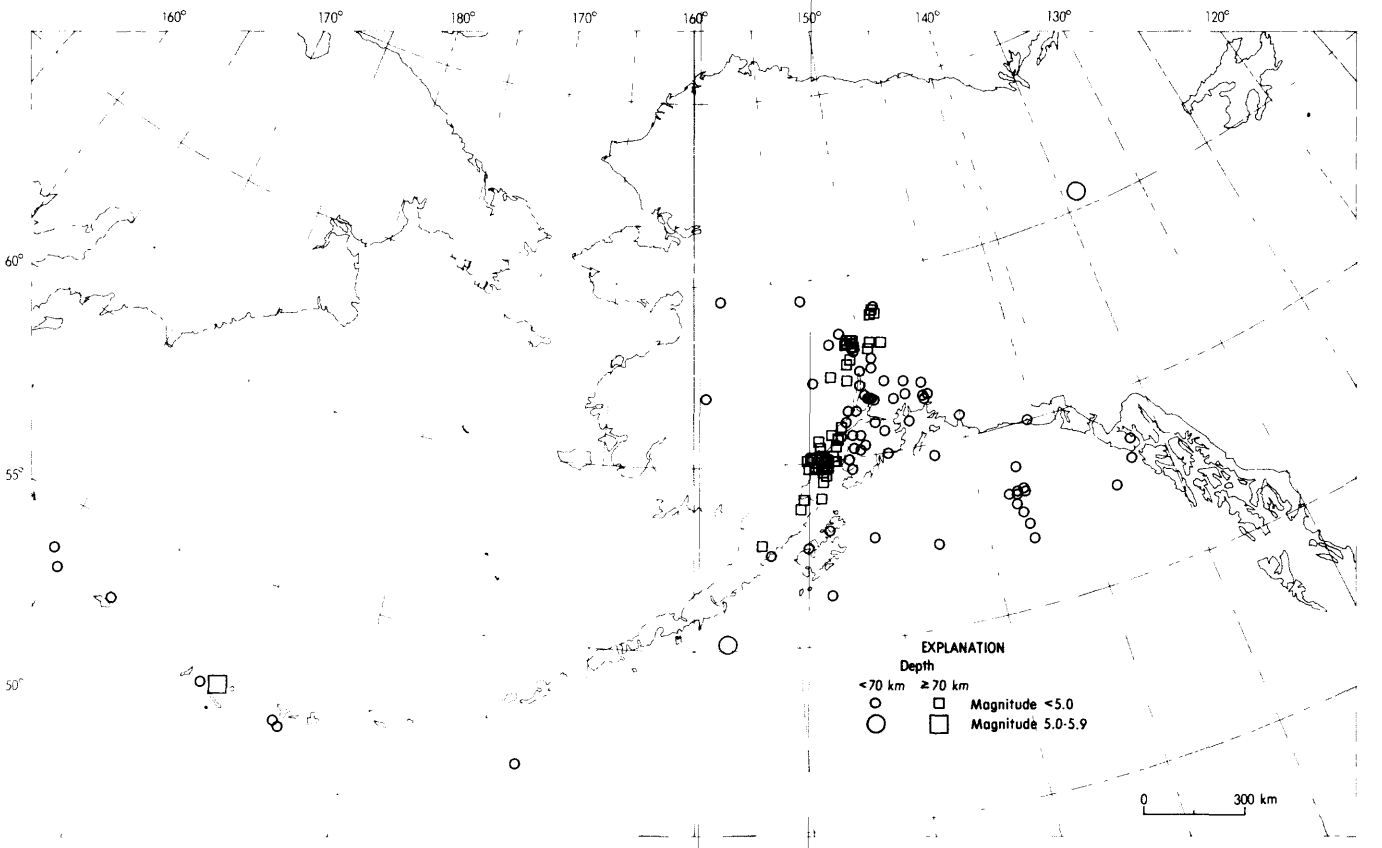
DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO STA USED	REGION. CONTRIBUTED MAGNITUDES AND COMMENTS
APR 26	09 37 15 0	35.986 N	100.245 E	8 G	6 5	6.9	1 2	127	QINGHAI PROVINCE, CHINA Ms 6.7 (BRK), 6.4 (PAS) At least 126 people killed, many injured, extensive damage and landslides in the Ganghe-Xinghai area. Also felt in Gansu Province.
APR 28	04 41 48.0&	37 885 N	121.983 W	6	4.3			32	CENTRAL CALIFORNIA <BRK> ML 4 6 (BRK). At least 40 houses damaged at Alamo. Felt (V) at Concord, Danville, Dublin and Livermore; (IV) at Alameda, Berkeley. Half Moon Bay, Hayward, Hercules, Lafayette, Maunt Herman, Pleasantan, Part Casta, Richmand, San Carlos, San Larenzo, San Matea and Watsanville. Alsa felt strangly at Walnut Creek.
MAY 05	07 21 29.5	40.775 N	15.766 E	10 G	5.3	5.4	1.4	110	SOUTHERN ITALY. MD 5.6 (TTG), 5.5 (TRI), 5.4 (STR). ML 5.3 (LJU), 5.2 (THE). Two people died from heart attacks, 16 injured and damage (VII) in the Potenza area. Felt strongly in many parts of southern Italy. Also felt along the coast of Montenegro, Yugoslavia.
MAY 08	00 01 40.0	6.905 N	82.622 W	10 G	6.2	6.3	1.0	462	SOUTH OF PANAMA. Ms 6.5 (BRK). MD 6.1 (UPA), 5.9 (HDC). Felt (V) at Santiago; (IV) at David; (III) at Panama City and Chitre. Also felt in much of Costa Rica.
MAY 12	04 50 08.7	49.037 N	141.847 E	606 G	6.5		0.8	697	SAKHALIN ISLAND. mb 6.8 (BRK), 6.2 (PAS). Felt (V) at Aniva, Oganki and Peschanskoye; (IV) in the Korsakov-Nevelsk-Tamari area; (III) in the Uglegorsk-Poronaysk-Makarav area, Sakhalin. Felt (II) at Komsomolsk-na-Amure, USSR. Felt (III JMA) at Kushiro, Hokkaido Also felt (III JMA) at Hachinahe and Marioka; (II JMA) at Tokyo and Yokohama, Honshu.
MAY 13	04 23 09.6	40.296 S	176.064 E	21 G	6.0	6.3	1 2	395	NORTH ISLAND, NEW ZEALAND. Ms 6.1 (BRK). ML 6.7 (WEL) Same damage (VIII) in the Dannevirke area. Felt at Wellingtan.
MAY 20	02 22 01.6	5 121 N	32 145 E	15 G	6 7	7 1	1.1	494	SUDAN Ms 7 4 (BRK), 7.2 (PAS). Some buildings damaged in the Juba area Alsa same damage in the Mayo area, Ugando. Felt in the Nakuru area, Kenyo and in Ugando. Believed to be the largest earthquake ever recorded in Sudan.
MAY 24	19 34 44.2	5.277 N	31.829 E	17 G	5.9	6 6	1.1	380	SUDAN Ms 6 7 (PAS). 6.6 (BRK). Felt in the Jubo area Alsa felt in the kapenguria area, Kenya and in Uganda.
MAY 24	20 00 08.1	5.358 N	31.848 E	16 G	6 5	7 0	1.0	404	SUDAN Ms 7.0 (BRK), 6.9 (PAS). Same buildings damaged in the Juba area. Felt in the Kapenguria area and at Nakuru, Kenya. Also felt in Uganda.
MAY 30	02 34 05.8	6.016 S	77.229 W	24 G	6.1	6.5	1.0	461	NORTHERN PERU Ms 6.6 (BRK), 5.9 (PAS). Three events about 1.5 and 4.8 seconds apart respectively. At least 135 people killed, more than 800 injured and severe damage (VI) in the Moyabamba-Riajo area. Felt (V) at Chachapoyas; (IV) at Cajamarca; (III) at Chiclaya and Chimbote. Alsa felt (IV) at Guayaquil, Ecuadar.
MAY 30	10 40 06.1	45.841 N	26.668 E	89 G	6.7		1.0	648	ROMANIA. mb 7.1 (PAS). Nine people killed, more than 700 injured and severe damage in the Bucharest-Braila-Brasov area. Four people killed, some injured and many buildings damaged in Maldavia, USSR. One person died of a heart attack and extensive damage in northern Buglaria. Felt (VI) at Silistra and (V) at Sofio, Bulgaria. Felt (VI) at Kishinev; (IV) at Kiev, Lvav, Moscaw, Rostov, Sachi and Uzhgorod; (III) at Stavropal and Leningrad, USSR. Also felt in Hungory, Greece, Paland, Turkey and Yugoslavia.
MAY 31	00 17 47.8	45.811 N	26.769 E	88 G	6.1		1.0	572	ROMANIA. mb 6.5 (PAS), 6.2 (BRK) Two events about 2.3 seconds apart. Additional damage in Romania. Felt (V) in northern Bulgaria and at Kishinev, USSR. Felt throughout Bulgaria and in parts of Yugoslavia. Also felt at Lvav, USSR and Istanbul, Turkey.
JUN 07	09 25 19.1	3.563 S	144.432 E	29 D	5.9	6 5	1 2	140	NEAR NORTH COAST OF PAPUA NEW GUINEA. Ms 6.9 (BRK), 6.1 (PAS).
JUN 09	01 14 34.5	6.062 S	77.136 W	26 D	5.5	4.9	1.0	171	NORTHERN PERU One person killed and at least 14 houses destroyed (VI) in the Rioja-Moyabambo area. Felt (II) at Iquitas.
JUN 14	07 40 56.2	11.760 N	121.899 E	18 G	6.0	7.1	1.2	283	PANAY, PHILIPPINE ISLANDS. Ms 6.8 (BRK). At least four people killed, 15 injured in the Culasi area. Considerable damage in other parts of Panay. Felt (VI RF) at Iloilo; (V RF) at Bacolod, Negros and on Cebu; (III RF) on Camiguin; (II RF) at Sorsogon and (I RF) at Manila, Luzon

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Ms2	SD	NO STA USED	REGION. CONTRIBUTED MAGNITUDES AND COMMENTS
JUN 14	12 47 28.8	47.869 N	85.076 E	58 G	6 1 6 8		1 0	501	KAZAKH-XINJIANG BORDER REGION. mb 6.5 (PAS). Ms 6 6 (BRK), 6.4 (PAS) One person killed, 3,000 houses destroyed ond 20,000 people left homeless in the Ust-Komenogorsk-Zoyson oreo, USSR. Domage in Jeminoy ond Hobohe Counties. Chino. Felt (V) ot Novosibirsk, Semipolotinsk ond Ust-Komenogorsk ond (III) ot Andizhon ond Frunze, USSR. Also felt ot Urumqi, Chino.
JUN 16	02 16 21.1	39.258 N	20.528 E	32 D	5 6 5.2		1.3	389	GREECE-ALBANIA BORDER REGION. MD 5.4 (TTG). One person slightly injured ond domage in the Prevezo oreo. Felt strongly in much of northwestern Greece and on Kerkiro.
JUN 17	04 51 45.5	27.398 N	65.719 E	15 G	5.9 6.3		1.2	390	PAKISTAN. Ms 6.4 (BRK), 6.2 (PAS). At leost six people injured and domage in southern Baluchistan Province. A 13-meter deep fissure wos reported in the epicentrol oreo. Felt in the Khuzdar-Surob oreo.
JUN 20	21 00 09.9	36.957 N	49.409 E	19 D	6.4 7.7		1 2	352	WESTERN IRAN. Ms 7.7 (BRK), 7.4 (PAS) Estimoted 40,000 to 50,000 people killed, more than 60,000 injured, 400,000 or more homeless and extensive domage and londslides in the Rosht-Qozvin-Zanjan oreo, Iran. Neorly oll buildings were destroyed in the Rudbar-Manjil oreo. Substontiol damage occurred os for owoy as Kholkhal and Now Shohr and slight domoge occurred ot Tehran. Felt in most of northwestern Iran, including Arok, Bokhtoran and Tobriz. Slight domoge olso occurred in southern Azerboijan, USSR. Felt (VII) at Astra and Lenkoran, (VI) ot Dzhibrail, Lerik, Mossony and Yardyshny; (III) ot Boku, USSR Complex event.
JUN 21	09 02 14.6	36.636 N	49.799 E	15 G	5 8 5.3		1 1	366	WESTERN IRAN. At least 20 people killed and additionol domage in the Lowshon-Monjil oreo.
JUN 23	21 38 18.7	21.568 S	176.483 W	181 G	6 4		1.0	537	FIJI ISLANDS REGION. mb 6.5 (BRk), 6 4 (PAS)
JUL 06	00 16 20.4	6.904 S	108.120 E	14 G	5 8 4.8		1.4	131	JAVA. At least 103 people injured ond obout 10,300 houses, mosques ond public buildings domoged or destroyed in the Kuningon-Mojolengo-Sumedong oreo.
JUL 06	19 34 52.4	36.861 N	49.303 E	35 D	5 3 4 4		0.9	278	WESTERN IRAN. Two people injured ond two roods blocked by londslides in the Rudbor oreo. Also felt ot Rosht ond Tehron.
JUL 09	15 11 20.3	5.395 N	31.654 E	13 G	5.9 6 4		1.2	387	SUDAN Ms 6.6 (BRk), 6.3 (PAS).
JUL 13	13 50 25.6	12.925 N	87.723 W	22 D	4.9 5.0		1 1	57	NEAR COAST OF NICARAGUA. Some injured and slight domoge (V) in eostern El Solvador. Also felt in southern Honduros.
JUL 13	14 20 43.4	36 415 N	70 789 E	217 D	5 6		1.1	500	HINDU KUSH REGION At least 43 mountoin climbers were killed on Pik Lenino, USSR by on ovolonche which wos triggered by the eorthquoke. Felt (IV) at Dushonbe, Garm, Gezon, Gissor, Khorog, Kulyob, Langor, Leninobod, Namongon ond Pyondzh; (III) ot Andizhon, Fergono ond Uro-Tyube; (II) ot Toshkent, USSR.
JUL 16	07 26 34.6	15.679 N	121.172 E	25 D	6.5 7 8		1.1	487	LUZON, PHILIPPINE ISLANDS Ms 7.6 (BRK), 7.3 (PAS). At leost 1,621 people killed, more than 3,000 people injured and severe damage, londslides, liquefoction, subsidence, ond sandblows in the Baguio-Cobanotuan-Dogupan oreo. Domage olso occurred in Botoan Province and ot Manilo. Large fissures were observed in the epicentrol oreo. Surface faulting occurred along the Philippine and Digdig faults. Felt (VII RF) in the Manila oreo, (VI RF) at Santo, (V RF) ot Cubi Point and (IV RF) ot Colloo Coves.
JUL 17	21 14 43.8	16.495 N	120.981 E	23 G	6.1 6.6		1.3	483	LUZON, PHILIPPINE ISLANDS. Ms 6.0 (PAS). Felt in the Monilo oreo.
JUL 18	11 29 24.9	36.990 N	29.595 E	17 D	5.2 5.1		1.2	346	TURKEY. MD 5.0 (ATH). At least 393 houses domoged in the Comeli-Denizli oreo. Felt in Antolyo, Denizli, Isporto and Muglo Provinces.
JUL 27	12 37 59.5	15.355 S	167 464 E	126 G	6.4		1.0	476	VANUATU ISLANDS. mb 6.9 (BRK). Two people injured ond mony buildings domoged on Espiritu Sonto Felt (V) at Mont Dzumoc, New Coledonio ond Suvo, Fiji. Two events obout 5 sec. oport
AUG 03	09 15 06.1	47.963 N	84.961 E	33 G	6.0 6.1		1.0	553	KAZAKH-XINJIANG BORDER REGION. Ms 5.8 (BRK), 5.7 (PAS) Eight people injured ond obout 500 buildings destroyed (VII) in the Akkol oreo, USSR. Felt (IV) ot Ust-Komenogorsk ond Semipolotinsk; (III) at Povlodor ond Toldy-Kurgon, USSR. Also felt at Almo-Ato ond Borovoy, USSR. Felt strongly in northern Xinjiong Province, Chino.
AUG 05	01 34 55.8	29 551 N	137.630 E	496 G	6.0		1.1	466	SOUTH OF HONSHU, JAPAN. mb 6.5 (BRK), 6.3 (PAS). Felt (I) JMA) in ports of Honshu.
AUG 11	02 59 54.9	0.059 S	78.449 W	5 G	5.0 4.4		1.2	136	ECUADOR. At leost 4 people killed, 10 injured, 1,300 houses domoged and londslides in the Pomasqui oreo. Felt strongly at Quito

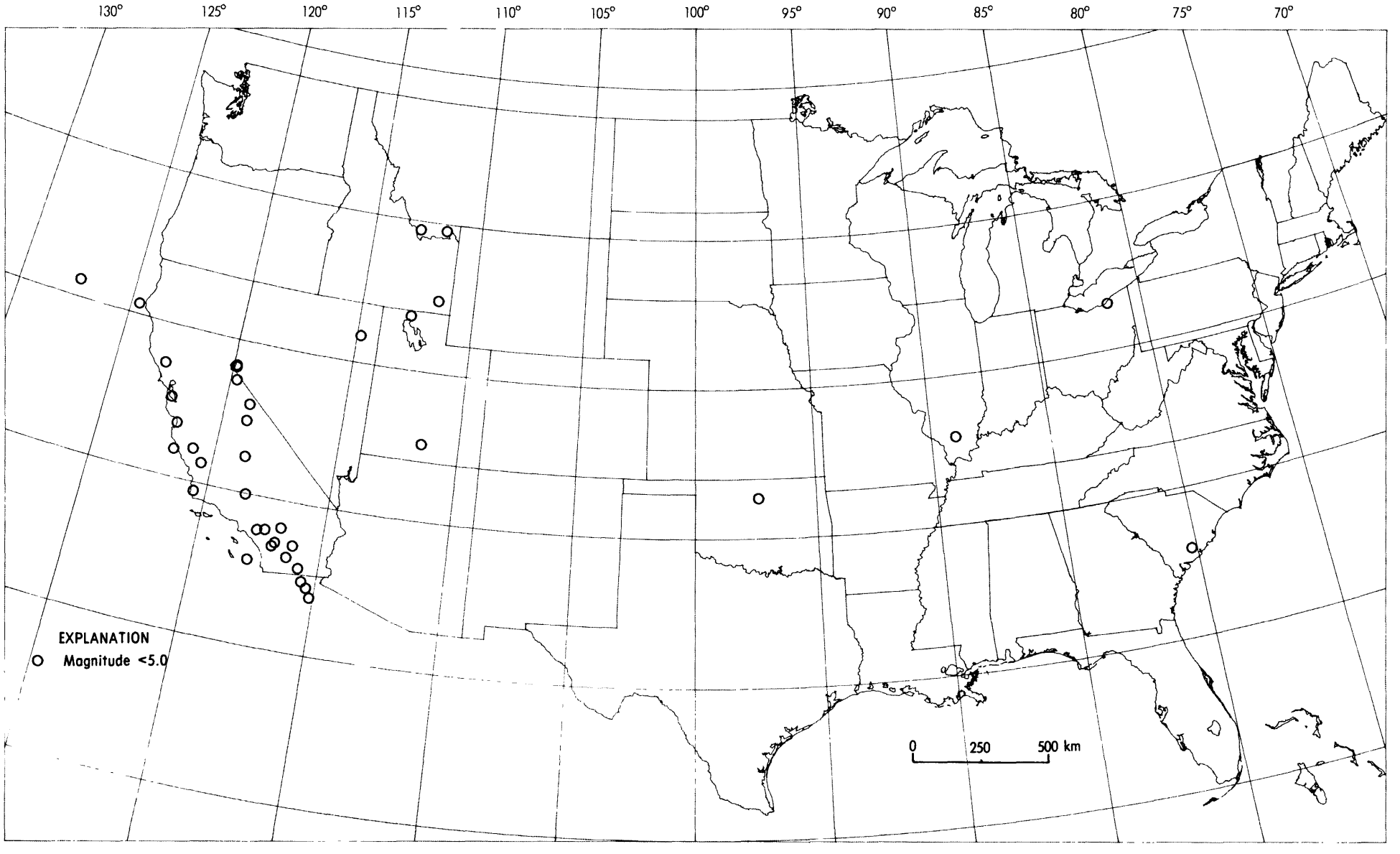
DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO STA USED	REGION CONTRIBUTED MAGNITUDES AND COMMENTS
AUG 12	21 25 21.9	19.435 S	169.132 E	140 G	6 3		1.1	551	VANUATU ISLANDS mb 6 6 (PAS). Felt on Efate, Vonuatu and on Ouveo, Loyalty Islands. Felt (III) at Noumea, New Coledonia Two events about 4 seconds apart. Depth based on first event.
AUG 17	13 07 17.4	11 164 S	161.997 E	29 G	5.9	6.8	1.4	334	SOLOMON ISLANDS Ms 6.7 (BRK), 6.7 (PAS). Felt at Honiara and Kirakira
SEP 23	20 33 49.7	6.726 S	130.373 E	33 N	4.9	6.5	1.1	35	BANDA SEA
SEP 23	21 13 07.4	33.267 N	138.643 E	10 G	6.0	6.5	1.3	286	SOUTH OF HONSHU, JAPAN. Ms 6.3 (BRK), 5.9 (PAS). Felt (III JMA) on Hachijo-jima and Miyake-jima and in the Osako-Owose-Yokkoichi area, Honshu. A slight tsunami was reported on Hachijo-jima and Oshima. Complex event.
SEP 26	23 08 23.9	28.014 S	26.727 E	5 G	5.4	4.2	0.9	157	REPUBLIC OF SOUTH AFRICA Two people killed and five injured in a mine in the Welkom area. Slight damage in the Welkom area.
OCT 10	05 54 53.5	23 497 S	179.029 E	549 G	6.0		0.9	483	SOUTH OF FIJI ISLANDS. mb 6.6 (PAS), 6.5 (BRK).
OCT 15	01 35 44.5	2.211 S	92.249 E	32 D	5.9	6.5	1.0	432	SOUTHWEST OF SUMATERA. Ms 6.4 (PAS). Complex event.
OCT 17	14 30 13.1	10.970 S	70.776 W	599 G	6.7		1.0	608	PERU-BRAZIL BORDER REGION. mb 6.8 (BRK), 6.8 (PAS). Slight damage at Rio Branco, Brazil. Felt (IV) at Pucallpa, Peru and (III) at La Paz, Bolivia.
OCT 18	09 30 44 4*	26.390 S	27.349 E	5 G	4.0		1.1	6	REPUBLIC OF SOUTH AFRICA mbLg 4 0 (BUL) ML 3 8 (PRE) At least 9 people killed, one missing and 6 injured in a mine near Carletonville. Probable rockburst
OCT 20	08 07 27.5	37.093 N	103.781 E	12 D	5.6	5.8	1.4	268	GANSU PROVINCE, CHINA. One person killed, two injured and damage in the Tianzhu area. Felt at Lanzhou.
OCT 25	04 53 59.9	35.121 N	70.486 E	114 G	6 0		1.0	444	HINDU KUSH REGION Eleven people killed, more than 250 injured and damage in the Chitral-Mardan-Malakand area Pakistan Felt throughout northern and central Pakistan Also felt in northwestern India Felt (IV) at Ishkashim; (III) at Andizhan, Dushanbe Dzhirgatal, Fergana, Khorog, Kulyab, Nurek and Tashkent; (II) at Samarkand, USSR
NOV 06	18 45 52.2	28 251 N	55.462 E	11 G	6.2	6.7	1.0	558	SOUTHERN IRAN Ms 6.7 (BRK), 6.2 (PAS) At least 22 people killed, 100 injured, 21,000 homeless and 18 villages severely damaged in the Darab area.
NOV 06	20 14 29 7	53 452 N	169.871 E	25 G	6.3	7.0	0.9	561	KOMANDORSKY ISLANDS REGION Ms 6.8 (BRK), 6.5 (PAS). Felt (IV) on Attu and Shemya. Two events about 1.5 seconds apart.
NOV 15	02 34 32.4	3.908 N	97.457 E	48 D	6.0	6.8	1.1	433	NORTHERN SUMATERA. Ms 6.8 (BRK), 6.7 (PAS). At least 1 person killed, 32 injured and estimated 2.1 million U.S. dollars damage caused in the Blangkejeren-Kutacane-Medan area. Landslides occurred in the epicentral area. Felt at Bandar Aceh and Lhokseumawe. Also felt at Ipoh, Kelang, Kuala Lumpur, Pinang and Taiping, Malaysia and Bangkok and Phuket, Thailand. Complex event.
NOV 27	04 37 58.5	43.853 N	16.633 E	24 D	5.1	5.6	1.1	381	YUGOSLAVIA ML 5 6 (ZAG), 5.6 (KBA), 5.5 (TTG). Ten people injured and damage (VIII) in the Dinara Mountains. Felt (IV) at Titograd, Niksic, Budva and Herceg Novi. Also felt at Belgrade. Landslides stopped rail traffic on main line between Split and central Yugoslavia Felt (IV) at Trieste, Italy. Also felt at Pordenone and Trento, Italy.
DEC 01	18 09 28.8	40 854 N	73 553 E	29 D	5.0	4.6	0.9	165	KIRGHIZ SSR Approximately 3,000 people homeless, 1,100 houses and 10 schools damaged (VI) in the Uzgen area. One hundred kilometers of roads were impaired in the epicentral area. Felt (V) at Dzhalal-Abad; (IV) at Osh and Namangan; (III) at Fergana, Andizhan and Alma-Ata; (II) at Tashkent Also felt at Frunze.
DEC 03	05 47 19.9*	40.740 N	73.710 E	33 N	5.0		1.2	16	KIRGHIZ SSR Additional damage (V) to the event of 12-01-90. Felt (V) at Uzgen and (IV) at Frunze and Kok-Yangak
DEC 13	00 24 25.7	37.300 N	15.438 E	11	5.5	5.3	1.4	367	SICILY MD 5.6 (TRI), 5.3 (TTG), 5.2 (THE). At least 19 people killed, about 200 injured, 2,500 homeless and severe damage (VII) in the Carlentini area. Damage also occurred at Augusta, Lentini and Noto and slight damage occurred as far away as Cefalu. Felt as far west as Tropani.

DEC 13	03 01 48 0	23 916 N	121.636 E	12 D	5 9 6 2	1.2	315	TAIWAN At least 2 people killed and 3 people injured Damage (IV JMA) at Hualien. Also felt (IV JMA) at Taipei, (III JMA) at Chiai, Hsinchu and Ilan, (II JMA) at Chilung and Taitung and (I JMA) at Kaohsiung
DEC 16	22 18 49 8	29 044 N	51.304 E	15 D	5.3 5 4	1 2	257	SOUTHERN IRAN Sixteen people injured and some damage and landslides in the Barazjan area.
DEC 21	06 57 42.9	41 004 N	22.300 E	13 G	5 8 5.9	1 1	423	YUGOSLAVIA One person killed, at least 60 injured and damage in the Edhessa-kilkis area, Greece. Several people injured and some buildings damaged (VII) in the Gevgelija-Strumica area. Felt (VII) at Begorci and Dojran, (VI) at Kavadarci and Strumica; (V) at Bitola, Stip, Berova Ohrid and Titov Veles; (IV) at Skopje, Gostivar, Tetova and Kumanova. Felt at Larisa, Greece and Korca, Pogradeci and Tirana, Albania. Also felt at Mikhailovgrad and Plavdiv and (IV) at Sofia, Bulgaria Felt (III) at Bucharest, Romania
DEC 22	17 27 54.8	9.869 N	84.302 W	17	5 3 5.7	0.9	188	COSTA RICA. Ms 6 1 (BRK) One person killed at Alajuela, one person died of a heart attack and about 350 people injured in central Costa Rica. Damage (VIII) at Santiago de Puriscal, (VII) at Alajuela and (VI) at Heredia and San Jose. Felt (VII) at Naranjo, Grecia and Alasta; (VI) at San Raman, (V) at Cartago, Puntarenas and Paraiso, (IV) at San Isidro del General and Turrialba; (III) at La Fortuna de San Carlos, Canas and Siquirres; (II) at Sixaola, Los Chiles, Limon, Barra del Colorado, Liberia and Golfito. Felt throughout Costa Rica and in western Panama.
DEC 30	19 14 18.9	5.097 S	150.967 E	179 G	6.6	1.2	341	NEW BRITAIN REGION Some damage in the Haskins area Felt at Port Moresby and many parts of Papua New Guinea. Two events about 6 seconds apart.

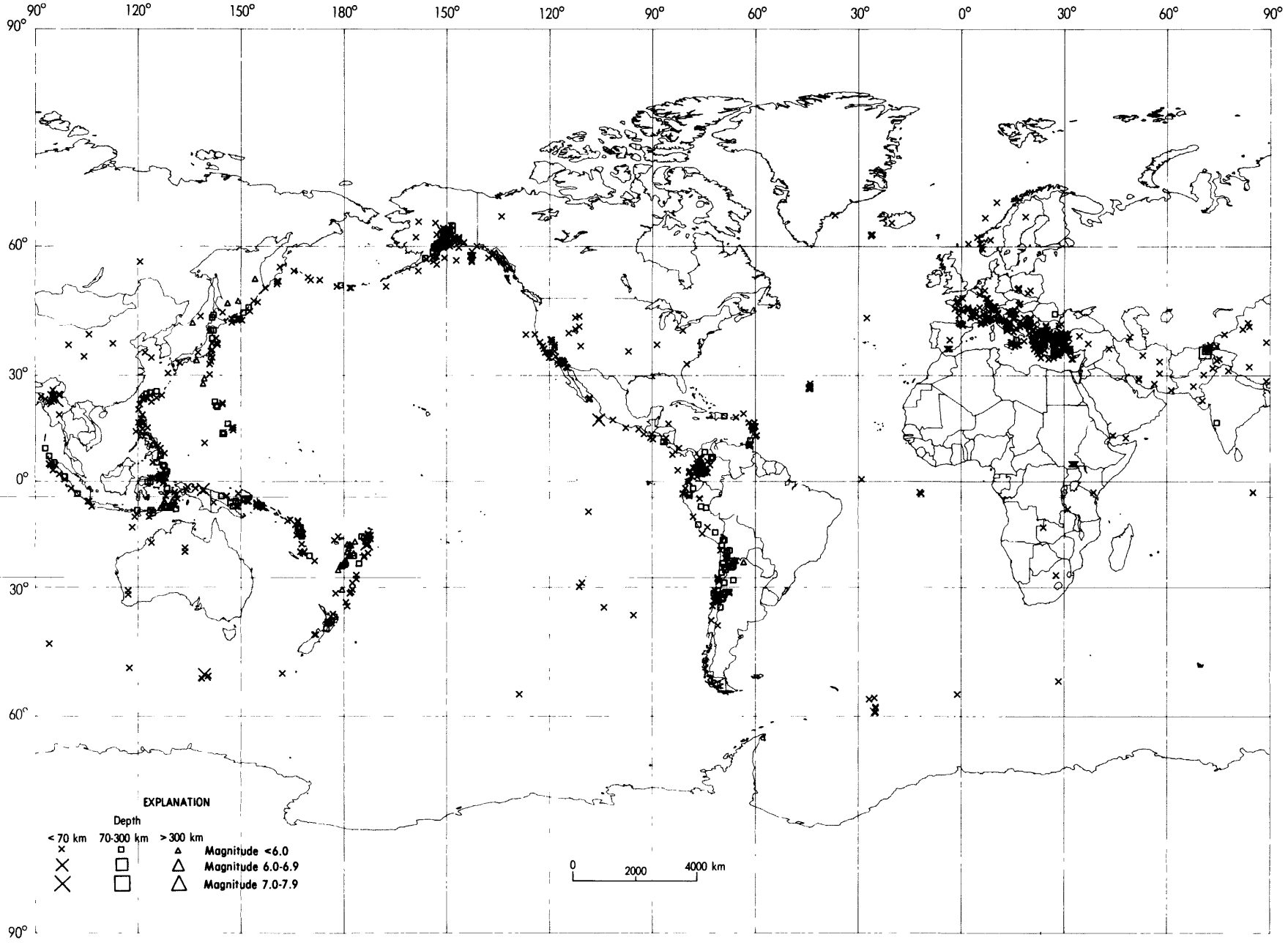
Compiled by Waverly J. Person



Earthquake epicenters in Alaska and adjacent regions for January, 1991 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for January, 1991 (C. Stover).



Earthquakes located in January, 1991 (C. Stover).

EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

MB - Body wave magnitudes.
Msz - Vertical surface wave magnitudes.
UTC - Coordinated Universal Time. HR MN SEC - Hour, minute, second.
SD - Standard Deviation from the arithmetic mean of residuals.
No. Sta. - Number of stations reporting P or PKP phases used in computation.
KEY - (Printed vertically). A symbol in this column indicates additional source parameters and/or a focal sphere are published for this event in separate sections which follow the list of hypocenters. The symbols are:
a - Additional source parameters
f - Additional source parameters plus focal sphere

Symbols and Abbreviations Used in Comments

AEIC Alaska Earthquake Information Center, College.
APT University of Connecticut.
BGS British Geological Survey, Edinburgh, United Kingdom.
BLA Virginia Polytechnic Institute and State University, Blacksburg.
BOU University of Colorado, Boulder.
BRK University of California, Berkeley.
BUT Montana Bureau of Mines and Geology, Butte.
CL Coda length magnitude.
CLE John Carroll University, Cleveland, Ohio.
DOE U.S. Department of Energy (formerly AEC and ERDA).
EXPLO Some or all parameters of explosion (controlled or accidental) supplied by any group or individual other than DOE or its predecessor organizations.
GLD U.S. Geological Survey, Golden, Colorado (other than NEIS).
GS U.S. Geological Survey, Menlo Park, California.
HDC *Observatorio Vulcanologico y Sismologico de Costa Rica, Universidad Nacional, Heredia, Costa Rica.*
HRV Harvard University, Cambridge, Massachusetts.
HVO Hawaiian Volcano Observatory.
JMA Japan Meteorological Agency, Tokyo (also used to indicate 7-point Japanese Intensity Scale).
LAK Kansas Geological Survey, University of Kansas, Lawrence.
LDG Laboratoire de Detection et de Geophysique, Bruyeres-le-Chatel, France.
MACRO Hypocenter based upon macroseismic information.
MD Duration magnitude (shown as DUR prior to 1986).
MDD Instituto Geografico Nacional, Madrid, Spain.
MG Contributed local or regional magnitude of unspecified type (see "Contributed Magnitudes" below).
MW Moment Magnitude.
NEIS U.S. Geological Survey, National Earthquake Information Service, Golden, Colorado.
OTT Geological Survey of Canada, Earth Physics Branch, Ottawa.
PAL Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York.
PAR Institute de Physique du Globe, Universite Pierre et Marie Curie, Paris, France.
PAS California Institute of Technology, Pasadena.
PGC Pacific Geoscience Centre, Sidney, British Columbia, Canada.
PMR Alaska Tsunami Warning Center, Palmer, Alaska.
PPT Laboratoire de Geophysique, Papeete, French Polynesia.
QDM Queensland Department of Mines, Brisbane, Australia.
REN University of Nevada, Reno.
RF Rossi-Forel Intensity Scale.
SEA University of Washington, Seattle.
SLC University of Utah, Salt Lake City.
SLM St. Louis University, Missouri.
SPEC An NEIS solution based on use of dense local networks, a local crustal model, or other methods not routinely applied in calculating the hypocenter parameters.
TEIC Center for Earthquake Research and Information, Memphis, Tennessee.
TUL Oklahoma Geological Survey, Leonard.
UVC Universidad del Valle, Cali, Colombia.
WES Weston Observatory, Massachusetts.

Roman Numerals Used to indicate intensity (when not followed by RF or JMA they refer to the Modified Mercalli Scale or any 12-point intensity scale closely related to it).

° ' " Geographic degrees, minutes, seconds.

-P Supplied hypocenter is a preliminary computation.

Any additional 3 to 5 letter codes enclosed in parentheses or angle brackets refer to individual station codes. These codes may be found in Geological Survey Open File Report 85-714, Seismograph Station Codes and Coordinates (1985). Addenda to OF 85-714 are printed at the end of the Earthquake Data Report for this month.

Symbols Following Depth

N Indicates the depth was restrained at 33 km for earthquakes whose character on seismograms indicates a shallow focus but whose depth is not satisfactorily determined by the data.

D Indicates the depth was restrained by the computer program based on 2 or more compatible pP phases and/or unidentified secondary arrivals used as pP.

G Indicates the depth was restrained by a geophysicist.

* Indicates a less well-constrained free depth. The 90% marginal confidence interval on depth is greater than 8.5 km and less than or equal to 16.0 km.

? Indicates a poorly-constrained free depth. The 90% marginal confidence interval on depth is greater than 16.0 km.

The lack of any symbol indicates that the 90% marginal confidence interval on depth is less than or equal to 8.5 km, or that a contributed hypocenter was computed with a free depth, regardless of the size of the confidence interval.

Symbols Following Origin Time

& Indicates that parameters of the hypocenter were supplied or determined by a computational procedure not normally used by the National Earthquake Information Service (NEIS). The source or nature of the determination is indicated by a 2 to 5 letter code enclosed by angle brackets and appearing in the first line of comments. A "-P" appended to the code indicates that the computation is preliminary. These codes are included with the list of abbreviations above.

% Indicates a single network solution. A non-furnished hypocenter has been computed using data reported by a single network of stations for which the date and/or origin time cannot be confirmed from seismograms available to a NEIS analyst. The geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 16.0 km.

* Indicates a less reliable solution. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 8.5 km and less than or equal to 16.0 km.

? Indicates a poor solution, published for completeness of the catalog. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 16.0 km. This includes a poor solution computed using data reported by a single network.

The lack of any symbol indicates that the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 8.5 km.

APPROXIMATE CORRELATION OF GRADES FOR INTENSITY SCALES
REPORTED IN PRELIMINARY DETERMINATION OF EPICENTERS

U.S.A. Modified Mercalli (M.M.), 1931	Japanese, 1950 (JMA)	Rossi-Forel, 1873 (RF)	European (Mercalli - Cancani-Sieberg), 1917
I	0	I	I
II	I	I-II	II
III	II	III	III
IV	II-III	IV-V	IV
V	III	V-VI	V
VI	IV	VI-VII	VI
VII	IV-V	VIII-	VII
VIII	V	VIII+-IX	VIII
IX	V-VI	IX+	IX
X	VI	X	X
XI	VII	X	XI
XII	VII	X	XII

TRAVEL-TIME TABLES

In general, all hypocenters have been computed based on the 1940 Jeffreys-Bullen P and 1968 Bolt PKP travel-time tables. Some other earth model or computational procedure may have been used for those hypocenters which have been indicated by an ampersand (&) following the origin time.

MACROSEISMIC INFORMATION

Macroseismic information is compiled from various sources, including newspaper articles, Foreign Broadcast Information Service messages, U.S. Geological Survey Earthquake Reports and seismological station reports. Macroseismic information for southwestern France is contributed by Dr. Pierre Stahl, Pau. Sources of information for particular events can be supplied on request from: U.S. Geological Survey, National Earthquake Information Center, Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225, U.S.A.

GEOGRAPHIC REGIONS

The regions shown in the comments column are from the seismic and geographical regionalization of Flinn, Engdahl and Hill (1974), with occasional name changes which have been given in various issues of the Monthly Listing. The boundaries of these regions are defined at one degree intervals and differ slightly from irregular political boundaries.

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

The NEIS routinely interprets broadband data from the GDSN and RSTN using methods described by Harvey and Choy (1982) and by Choy and Boatwright (1981) for events with MB $\geq$ 5.8. The notation that a depth is obtained from broadband seismograms indicates that a depth was obtained by inversion of differential travel times of depth phases that are clearly identifiable at several stations using broadband records that are flat to displacement between approximately 0.01 and 5.0 Hz.

Choy, G. L. and Engdahl, E. R., 1987, Analysis of broadband seismograms from selected IASPEI events: Physics of the Earth and Planetary Interiors, v. 47, p. 80-92.

Harvey, D. and Choy, G. L., 1982, Broadband deconvolution of GDSN data: Geophysical Journal of the Royal Astronomical Society, v. 69, p. 659-668

FAULT PLANE SOLUTIONS

A fault plane solution is determined when possible for any earthquake having a magnitude $\geq$ 5.8, using first motions from P, PKP, pP and pPKP waves. A description of the solution is reported in the Additional Focal Parameters section of the Preliminary Determination of Epicenters Monthly Listing. First motion data used to compute the solution are available upon request from the National Earthquake Information Center at the address given above.

NEIS MAGNITUDES

All magnitudes are NEIS magnitudes unless otherwise indicated. Beginning with August, 1983, average magnitudes are computed by a 25% trimmed mean as described by Rasenberger, J L. and Gasko, M., 1983, "Comparing location estimators: trimmed means, medians, and trimean" in Understanding Robust and Exploratory Data Analysis, ed. Hoaglin, D.C., Mastellar, F., and Tukey, J. W., John Wiley, New York.

Ms These surface wave magnitudes are computed from the I.A.S P.E.I. formula:

$$Ms = Log (A/T) + 1.66 Log D + 3.3$$

where:

A is the maximum ground amplitude in micrometers (microns) of the vertical component of the surface wave within the period range $18 \leq T \leq 22$.

T is the period in seconds.

D is the distance in geocentric degrees (station to epicenter) and $20^{\circ} \leq D \leq 160^{\circ}$.

No depth corrections are applied, and Ms magnitudes are not generally computed for depths greater than 50 km. The Ms value published is the average of the individual station magnitudes from reported T and A data.

If the uncertainty of the computed depth is considered great enough that the depth could be less than 50 km, an MS value may still be published, computed by the I.A.S.P.E.I. formula and not corrected for depth.

In general, the Ms magnitude is more reliable than the MB magnitude as a means of yielding the relative "size" of a shallow-focus earthquake.

MB These compressional body wave (P-wave) magnitudes are computed according to the formula:

$$MB = Log (A/T) + Q(D,h)$$

defined by Gutenberg and Richter (1956) except that T, the period in seconds, is restricted to $0.1 \leq T \leq 3.0$ and A, the ground amplitude in micrometers, is not necessarily the maximum in the P group. Q is a function of of distance (D) and depth (h) where $D \geq 5^{\circ}$.

mbLg These Lg body wave magnitudes are computed according to the formula:

$$mbLg = 3.75 + 0.90 Log D + Log (A/T) \text{ for } 0.5^{\circ} \leq D \leq 4^{\circ}$$

$$mbLg = 3.30 + 1.66 Log D + Log (A/T) \text{ for } 4^{\circ} \leq D \leq 30^{\circ}$$

as proposed by Nuttli (1973) where A is the ground amplitude in micrometers and T is the period in seconds calculated from the vertical component 1-second Lg waves. D is the distance in geocentric degrees.

ML These local magnitudes are computed according to the formula:

$$ML = Log A - Log Ao$$

defined by Richter (1935) where A is the maximum trace amplitude in micrometers recorded on a standard short-period torsion seismometer and Log Ao is a standard value as a function of distance where distance $\leq$ 600 km.

CONTRIBUTED MAGNITUDES

Magnitudes appearing in the comments which have been contributed by organizations operating a network of stations may have been calculated from any one station in the network or may be an average magnitude from a number of stations from the network.

Beginning with January, 1986, a contributed magnitude of unspecified type may be quoted (using the designator MG) for events which have no other magnitudes given or computed. These MG magnitudes either have been reported by the contributor without listing the type (such as "Mag 3.5") or have been computed using procedures which are not defined by the magnitude types routinely reported in this bulletin. Direct inquiries should be made to the contributor (shown in parentheses after the magnitude) concerning the specific details of the computational procedures used to determine these values.

REFERENCES

Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Annali di Geofisica, v. 9, no. 1, p. 1-15.

Nuttli, O. W., 1973, Seismic wave attenuation and magnitude relations for eastern North America: Journal of Geophysical Research, v. 78, no. 5, p. 876-885.

Richter, C. F., 1935, An instrumental earthquake scale: Bulletin of the Seismological Society of America, v. 25, p. 1-32.

FOCAL MECHANISM MAPS

Best double couple focal mechanisms are plotted as lower-hemisphere, equal-area projections for earthquakes having a seismic moment greater than 1 * 10 ** 17 Nm. The shaded quadrants represent compressional first motions. For each event, the mechanism shown is selected from either the Fault Plane Solution, Moment Tensor Solution or Centroid, Moment Tensor Solution. All these solutions are given in the Additional Source Parameters section of the Monthly Listing.

WAVEFORM PLOTS

Each month selected events with MB $\geq$ 5.8 will be shown. For each event, up to sixteen body phase waveforms will be selected for display around the periphery of an equal area plot of the lower hemisphere of the focal sphere. Each waveform will be connected by a dotted line to a symbol marking the corresponding azimuth and take-off angle on the focal sphere. For reference, the nodal planes, compression axis (P), and tension axis (T) will also be plotted when solutions are available. The dominant double couple of the USGS moment tensor will be shown in solid lines with the axes designated by P and T respectively. The NEIS first motions fault plane solution will be shown in dashed lines with the axes designated by P' and T' respectively. If both solutions are available, the primed axes may be suppressed unless they are sufficiently different from the unprimed axes. Each event will be titled with its origin date-time and Flinn-Engdahl region name to facilitate cross-referencing with the Monthly Listing text.

Each waveform will be identified by station code, data type, phase name and scale factor. The data type will be identified by a code conforming with the channel-naming conventions adopted for the Standard for the Exchange of Earthquake Data (SEED) by the Federation of Digital Seismograph Networks. Long period channels, designated by LH or LL (where the second letter denotes a high-gain channel, H, or a low-gain channel, L) will display approximately one-half minute of noise followed by three minutes of signal. Time and amplitude are referenced to a set of axes labeled L and shown at the bottom of each plot. The scale factor is an integer from which absolute amplitude, in micrometers of ground displacement at the dominant period of the pass-band (25 sec), may be determined. Absolute amplitude may be recovered by measuring the amplitude of the seismogram relative to the amplitude axis and dividing it by the scale factor. Note that long period channels with pass-bands which extend well into the microseism noise peak will be processed for presentation using a four-pole Butterworth low-pass filter with a corner at 25 sec. period. Other data types are indicated by BH or BL (broad-band), MH or ML (mid-band), SH or SL (short period), or EH or EL (extremely short period). As these types of data have different pass-bands than long period data, different time and amplitude scales will generally be needed. These scales will be labeled M and B for broad-band and mid-band and S and E for short and extremely short period and will be shown at the bottom of each plot as needed. As with the long period waveforms, the absolute amplitudes of the other data types may be recovered from the amplitude scale and the scale factor. For broad-band and mid-band data, the absolute amplitude is referenced to 10 seconds. For short and extremely short period data, the absolute amplitude is referenced to 1 second. Broad-band and mid-band data will be processed to be proportional to displacement from 0.01 Hz to at least 2 Hz. In some cases, BH channels will be synthesized by combining LH and SH data. In addition, each component will be identified by a direction indicator (ie. N, E, Z, R and T for north-south, east-west, vertical, radial, and transverse, respectively). Note that the dominant period approximation will not be valid for broad-band, mid-band or some long period data. However, the scaling will still be correct.

Waveforms will primarily be selected to display variations in the P waveform as a function of azimuth. If space permits, some PKP waveforms may be shown as well. To this end, waveforms which are clipped, non-linear, or very noisy will be rejected. Further, only one of several stations at similar distance and azimuth may be used if all show similar waveforms. Note that the importance of a record in focal parameter derivation will not be considered. Thus, many seismograms will be shown which have not been used in the USGS moment tensor solution. Conversely, records which have been important in constraining one or both solutions may have been passed over for lack of space. The data are derived from globally distributed digital stations collected by the USGS Albuquerque Seismological Laboratory from a number of cooperating networks. For details on data sources, see the National Earthquake Information Center Newsletter.

R. P. Buland and M. Zirbes, U.S. Geological Survey, Mail Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225 USA

USGS RADIATED ENERGY

The energy radiated by an earthquake is estimated from the energy spectral density of the broadband P waves, using the method described by Boatwright and Choy (1986), where the energy flux in the P waves is integrated directly. No correction for source directivity or frequency-dependent interference of the depth phases is incorporated into these estimates of radiated energy. Data used are either direct P waves (for deep earthquakes) or the P wave group consisting of P, pP and sP (for shallow earthquakes) from GDSN and other stations that contribute digital data to the NEIC within two months of the occurrence of an event. The data are processed using the method of Harvey and Choy (1982) so that they are flat to velocity from low frequencies (generally 0.01 Hz) to at least 2.0 Hz. The effect of attenuation is corrected with the frequency-dependent t^* of Choy and Cormier (1986). The focal mechanism used is either the P-wave first-motion solution (F), the USGS moment tensor solution (M) or the Harvard centroid solution (C).

Boatwright, J. and Choy, G. L., 1986, Teleseismic estimates of the energy radiated by shallow earthquakes: Journal of Geophysical Research, v. 91, p. 2095-2112.

Choy, G. L. and Cormier, V. F., 1986, Direct measurement of the mantle attenuation operator from broadband P and S waveforms: Journal of Geophysical Research, v. 91, p. 7326-7342.

Harvey, D. and Choy, G. L., 1982, Broadband deconvolution of GDSN data: Geophysical Journal of the Royal Astronomical Society, v. 69, p. 659-668.

EXPLANATION OF THE ENTRIES "MOMENT TENSOR SOLUTION" (USGS)

These solutions have been determined using the body-wave moment tensor inversion method described by Sipkin (1982).

1. NUMBER OF STATIONS: Number of GDSN stations with distances between approximately 30 and 95 degrees found to have suitable P waveforms. Only unfiltered long-period vertical components are used.

2. DEPTH: The source depth which gives the smallest normalized mean-squared-error. This is the only hypocentral parameter determined since the inversion procedure is insensitive to small errors in both epicenter and origin time.

3. SCALE)
)
4. PRINCIPAL AXES) See "Centroid, Moment Tensor (HRV)"
)
5. BEST DOUBLE COUPLE)

S. A. Sipkin, U.S. Geological Survey, Mail Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225 USA

Sipkin, S. A., 1982, Estimation of earthquake source parameters by the inversion of waveform data: synthetic seismograms: Physics of the Earth and Planetary Interiors, v. 30, no. 2-3, p. 242-259.

EXPLANATION OF THE ENTRIES "GEOSCOPE MOMENT TENSOR (PAR)"

These solutions have been obtained from very long period Rayleigh wave data in the period range 180-310 seconds (R1 and R2 trains) using a two step moment tensor inversion method as described in Romanowicz and Guillemont (1984) and Romanowicz and Monfret (1986). Parameters solved for are centroid time, seismic moment, depth and moment tensor. Origin time and epicentral coordinates are kept fixed as given in the USGS Quick Epicenter Determinations (QED) or PDE. For shallow earthquakes the precision on depth is in general no greater than +/- 10 km.

The data used presently come from GEOSCOPE teletransmitted stations (usually 8 - 10 stations) and are available within a week after the event. The solutions are computed by the Institute de Physique du Globe, Universite Pierre et Marie Curie, Paris, France.

Romanowicz, B. and Guillemont, P., 1984, An experiment in the retrieval of depth and source mechanism of large earthquakes using very long-period Rayleigh wave data: Bulletin of the Seismological Society of America, v. 74, no. 2, p. 417-437.

Romanowicz, B. and Monfret, T., 1986, Source process times and depths of large earthquakes by moment tensor inversion of mantle wave data and the effect of lateral heterogeneity: Annales de Geophysique, v. B4, no. 3, p. 271-282.

EXPLANATION OF THE ENTRIES "CENTROID, MOMENT TENSOR (HRV)"

These solutions have been determined using the long period body and mantle wave moment tensor inversion method described by Dziewonski, et.al. (1981) considering corrections due to an aspherical earth structure of model M84C (Woodhouse and Dziewanski, 1984).

1. DATA USED; currently GDSN, GSN and IDA/IRIS data are used. The numbers following the entries L. P. BODY WAVES and MANTLE WAVES indicate the number of stations (S), total number of records (C) and T is the cut-off period of the low pass filter for each of the subsets of data. Mantle waves are routinely used in inversion for sources with moments greater than 5*10**18 Newton-meters (Nm).

2. CENTROID LOCATION; hypocentral parameters obtained by adding perturbations resulting from inversion to the parameters reported in the PDE; standard errors follow the individual entries. If a given parameter is not perturbed in inversion, this is indicated by the letters FIX. If the depth is fixed to be consistent with waveform matching of reconstructed broad-band body waves (Ekstrom, 1989), this is indicated by the letters BDY. The default depth for shallow earthquakes is increased to 15 km. in order to improve the stability of solutions; it was 10 km. in 1981-1985.

3. PRINCIPAL AXES; rotation of the moment tensor, constrained to have zero trace, into the principal axes system. Most of the solutions are predominantly of the double couple type: the largest positive eigenvalue corresponds to the tension axis (T); the usually small, intermediate eigenvalue is associated with the null axis (N); the smallest negative eigenvalue is identified with the compression axis (P). PLG are the plunges and AZM the azimuths of the axes.

4. BEST DOUBLE COUPLE. If the eigenvalue (T) is σ_1 and (P) is $-\sigma_2$, then the scalar seismic moment is defined as $Mo = 1/2(\sigma_1 + \sigma_2)$. The strike, dip and slip of the first (NP1) and second (NP2) nodal planes are calculated from the directions of the P, T, and N axes. The remainder is a linear-vector dipole (Knopoff and Randall, 1970); in most cases the magnitude of LVD is small. Although all such decompositions are highly non-unique, this particular one is the best in estimating the starting solution for the non-linear, constrained double couple inverse problem. The angles strike, dip, and slip are defined using the convention of Aki and Richards (1980, p. 106) and are the angles designated there as ϕ_s, δ, λ, respectively.

A. M. Dziewonski, G. Ekstrom and G. Zwart, Department of Earth and Planetary Sciences, Harvard University, Cambridge, MA 02138

Aki, K. and Richards, P. G., Quantitative Seismology, Volume 1, W. H. Freeman, San Francisco, 1980, 557 pp.

Dziewonski, A. M., Chou, T. A., and Woodhouse, J. H., 1981, Determination of earthquake source parameters from waveform data for studies of global and regional seismicity: Journal of Geophysical Research, v. 86, p. 2825-2852.

Ekstrom, G., 1989, A very broad band inversion method for the recovery of earthquake source parameters: Tectonophysics, v. 166, p. 73-100.

Knopoff, L. and Randall, M. J., 1970, The compensated linear-vector dipole: A possible mechanism for deep earthquakes: Journal of Geophysical Research, v. 75, p. 4957-4963.

Woodhouse, J. H. and Dziewonski, A. M., 1984, Mapping the upper mantle: Three dimensional modelling of earth structure by inversion of seismic waveforms: Journal of Geophysical Research, v. 89, p. 5953-5986.

OTHER SEISMIC MOMENTS

1. The seismic moment (Mo) contributed by the University of California, Berkeley (BRK), is given for regional earthquakes based on Wood-Anderson torsion seismograms recorded within 300 km of the epicenter with peak-to-peak amplitudes of at least 3 mm. This seismic moment (Mo) in dyne-cm is defined by $\text{Log Mo} = 16.74 + 1.22\text{Log}(CD\Delta)$, where C is the maximum peak-to-peak amplitude in mm, D is the duration in seconds from the time of the S-wave onset to the last time that the peak-to-peak amplitude exceeds C/3, and Δ is the epicentral distance in km. Seismic moments quoted in "Preliminary Determination of Epicenters" are converted to Newton-meters (1 Newton-meter = 10**-7 dyne-cm).

   Bolt, B.A. and Herraiz, M. 1983, Simplified estimation of seismic moment from seismograms: Bulletin of the Seismological Society of America, v. 73, p. 735-748.

2. Beginning with November, 1988, seismic moments for selected events have been contributed by the Laboratoire de Geophysique, Papeete, French Polynesia (PPT). These moments are computed from the mantle Rayleigh wave using the method of Talandier, Reymond and Okal (1987).

   Talandier, J., Reymond, D. and Okal, E.A. 1987, Use of a variable period mantle magnitude for the rapid one-station estimation of seismic moments: Geophysical Research Letters, v 14, no. 8, p. 840-843.

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U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

FEBRUARY 1991

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	07	33.1	40.276	N	27.325	E	10	G			0.9	15	TURKEY. MD 3.3 (ATH), 3.2 (ISK).
	01	01	55	07.4	27.480	N	140.445	E	299	*	4.8		0.7	30	BONIN ISLANDS REGION
	01	02	14	55.4*	36.166	S	72.694	W	56	?	4.9	4.7	1.0	43	NEAR COAST OF CENTRAL CHILE. Felt (III) in the Concepcion area.
	01	02	19	51.1?	36.19	S	73.15	W	10	G			1.1	10	NEAR COAST OF CENTRAL CHILE
	01	02	36	19.1	40.280	N	27.318	E	10	G			0.4	10	TURKEY. MD 3.2 (ATH), 3.0 (ISK).
	01	03	27	52.6*	23.909	N	122.847	E	10	G	3.7		1.1	7	TAIWAN REGION
	01	04	56	48.7%	39.802	N	28.961	E	10	G			0.7	7	TURKEY. MD 2.7 (ISK).
	01	04	56	52.6	44.807	N	11.493	E	28				1.4	32	NORTHERN ITALY. MD 3.2 (ROM), 3.1 (TRI). ML 3.2 (LDG).
	01	05	19	01.3*	53.337	N	169.962	E	33	N	4.6		1.5	13	KOMANDORSKY ISLANDS REGION
	01	05	23	16.6&	37.558	N	118.860	W	5					12	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).
	01	05	23	24.1&	37.537	N	118.878	W	5					8	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK).
	01	05	37	03.6?	40.74	N	30.43	E	10	G			0.1	4	TURKEY. MD 2.5 (ISK).
	01	06	14	12.0?	5.76	S	151.69	E	59	?	4.7		1.1	12	NEW BRITAIN REGION
	01	07	00	59.5?	35.42	N	27.18	E	30	*			1.5	8	DODECANESE ISLANDS. MD 4.0 (ATH).
	01	07	27	24.4*	41.013	N	22.808	E	10	G			0.8	5	YUGOSLAVIA. ML 1.5 (SKO).
	01	07	45	48.7%	27.269	S	117.700	E	10	G			0.6	5	WESTERN AUSTRALIA
	01	07	48	19.2?	55.13	N	165.48	E	33	N	4.3		0.5	12	KOMANDORSKY ISLANDS REGION
	01	08	08	49.8?	30.39	S	71.33	W	10	G			1.3	12	NEAR COAST OF CENTRAL CHILE
	01	08	18	40.2	43.308	N	19.010	E	10	G			0.7	11	YUGOSLAVIA. ML 2.9 (TTG).
	01	08	25	05.3*	32.183	S	71.998	W	66	*			1.3	20	NEAR COAST OF CENTRAL CHILE. Felt (III) at Nogoles.
	01	08	41	09.5?	4.45	N	31.48	W	10	G	4.8	4.7	0.9	7	CENTRAL MID-ATLANTIC RIDGE
	01	09	06	02.1?	32.19	S	71.77	W	33	N			0.7	6	NEAR COAST OF CENTRAL CHILE
	01	09	15	49.0&	33.567	N	116.900	W	6	G				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS).
	01	10	10	22.9?	32.18	S	71.87	W	10	G			0.8	8	NEAR COAST OF CENTRAL CHILE
	01	11	32	55.2	22.458	S	179.288	W	547		4.9		1.0	48	SOUTH OF FIJI ISLANDS
	01	11	33	30.2?	40.67	N	30.28	E	10	G			0.1	4	TURKEY
	01	11	36	35.5&	62.263	N	147.326	W	55		3.0			68	CENTRAL ALASKA. <AEIC>.
	01	12	02	44.3&	37.558	N	118.862	W	6					15	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.3 (BRK).
o	01	12	07	49.6	19.781	S	173.171	W	23	D	5.4	5.0	1.4	111	TONGA ISLANDS
	01	12	23	07.7	35.415	N	27.180	E	30				0.9	14	DODECANESE ISLANDS. MD 3.9 (ATH).
o	01	12	33	26.8	26.573	S	114.381	W	10	G	5.3	4.8	0.8	62	EASTER ISLAND REGION. Ms 5.1 (BRK).
	01	13	32	22.9?	59.18	N	10.36	E	10	G			0.0	4	SOUTHERN NORWAY. MD 2.6 (BER).
	01	13	36	17.5&	39.496	N	122.941	W	3					6	NORTHERN CALIFORNIA. <GM>. MD 3.0 (GM).
	01	14	01	35.5&	59.021	N	154.102	W	115		3.1			48	SOUTHERN ALASKA. <AEIC>.
	01	15	09	08.9	18.089	S	178.201	W	616		5.0		0.9	51	FIJI ISLANDS REGION
	01	15	20	21.7	44.731	N	6.761	E	11				0.8	40	FRANCE. ML 3.0 (LDG), 2.8 (GEN). MD 2.2 (STR).
	01	15	29	48.7%	37.813	N	30.602	E	10	G			0.7	6	TURKEY
	01	16	46	12.4	49.114	N	6.886	E	10	G			0.8	15	GERMANY. MD 2.7 (STR).
a	01	17	14	53.6?	57.07	S	141.11	W	10	G	5.0		1.2	10	SOUTH PACIFIC CORDILLERA
	01	17	29	08.1&	59.526	N	153.225	W	102					39	SOUTHERN ALASKA. <AEIC>.
	01	17	54	14.0&	59.058	N	153.561	W	13					35	SOUTHERN ALASKA. <AEIC>.
	01	18	34	30.3*	32.228	S	71.714	W	10	G			0.5	10	NEAR COAST OF CENTRAL CHILE
	01	19	07	06.2?	2.96	N	126.47	E	33	N	4.9		0.8	9	MOLUCCA PASSAGE
	01	19	20	14.6%	15.001	N	61.217	W	30	*			0.7	11	LEEWARD ISLANDS. ML 2.6 (FDF).
	01	19	30	22.0?	16.06	N	87.77	W	33	N	4.8		1.0	11	CARIBBEAN SEA
	01	19	46	55.8&	59.795	N	152.933	W	101					60	SOUTHERN ALASKA. <AEIC>.
	01	20	18	44.0&	59.766	N	151.657	W	58					42	KENAI PENINSULA, ALASKA. <AEIC>.
	01	20	19	15.3&	46.813	N	120.558	W	7					61	WASHINGTON. <SEA>. CL 3.4 (SEA).
	01	20	40	31.5	41.135	N	24.556	E	10	G			0.8	8	GREECE-BULGARIA BORDER REGION. MD 2.8 (ATH).
	01	20	46	20.8*	32.266	S	71.787	W	44	?			1.1	17	NEAR COAST OF CENTRAL CHILE
	01	20	53	23.9%	40.468	N	29.115	E	10	G			0.7	6	TURKEY. MD 2.6 (ISK).
	01	21	04	18.4&	60.705	N	151.139	W	48					32	KENAI PENINSULA, ALASKA. <AEIC>.
	01	21	18	32.9?	38.85	N	74.40	E	33	N	4.7		0.9	10	TAJIK-XINJIANG BORDER REGION
	01	21	52	29.6?	31.26	S	68.71	W	90	G			0.4	4	SAN JUAN PROVINCE, ARGENTINA
	01	22	12	19.3%	43.207	N	11.052	E	10	G			0.2	9	CENTRAL ITALY
	02	00	15	40.4	25.541	N	91.293	E	33	N	4.9	3.9	1.0	45	INDIA-BANGLADESH BORDER REGION. ML 4.5 (BJI). Felt at Gauhati, India.

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	02	01	18	28.9*	41.065	N	22.402	E	10	G			0.4	5 YUGOSLAVIA
	02	01	33	18.9?	38.51	N	21.73	E	10	G			1.5	4 GREECE. MD 2.9 (ATH).
	02	01	48	53.7*	44.703	N	11.308	E	10	G			0.7	5 NORTHERN ITALY. ML 2.9 (VIE).
	02	02	59	16.8&	36.045	N	121.507	W	5					13 CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	02	03	51	42.9*	10.824	N	62.377	W	33	N			0.5	13 NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	02	04	00	22.7*	22.981	S	68.235	W	134	*	4.2		1.6	12 NORTHERN CHILE
	02	04	09	55.7*	36.954	N	29.476	E	10	G			0.5	5 TURKEY. MD 3.2 (ISK).
	02	05	34	48.9?	35.18	N	22.28	E	10	G			1.4	7 MEDITERRANEAN SEA. MD 3.6 (ATH).
	02	05	35	51.6?	40.92	N	22.63	E	10	G			1.3	4 GREECE
	02	06	03	22.5?	32.24	S	67.44	W	128	?			0.3	5 MENDOZA PROVINCE, ARGENTINA
	02	06	08	39.2%	45.994	N	0.271	E	10	G			0.9	9 FRANCE. ML 2.2 (LDG).
	02	06	21	35.6*	14.877	S	167.171	E	33	N	4.6		0.9	19 VANUATU ISLANDS
	02	06	24	05.8*	34.794	N	104.838	E	10	G	3.5		0.7	5 GANSU PROVINCE, CHINA. ML 3.5 (BJI).
	02	06	54	40.4	37.275	N	42.566	E	10	G	4.7		1.0	25 TURKEY
	02	07	24	33.5?	6.40	S	129.69	E	190	?			0.8	6 BANDA SEA
	02	09	09	02.3	37.114	N	42.603	E	33	N	4.8		1.4	25 TURKEY
	02	09	34	19.9	44.481	N	80.569	E	33	N	4.6		0.9	19 KAZAKH-XINJIANG BORDER REGION. ML 4.1 (BJI).
	02	09	43	46.6?	12.25	S	118.02	E	33	N	4.2		1.3	12 SOUTH OF SUMBAWA ISLAND
	02	10	09	53.6	35.288	N	22.164	E	55		4.4		0.8	60 MEDITERRANEAN SEA. MD 4.8 (HLW).
	02	11	19	15.7?	14.85	N	61.12	W	10	G			0.2	4 WINDWARD ISLANDS. ML 2.0 (FDF).
	02	11	35	45.7*	20.679	N	94.666	E	113	?	4.4		1.1	12 BURMA
	02	11	40	53.3*	6.720	N	73.056	W	165	*	4.2		1.4	9 NORTHERN COLOMBIA
o	02	12	39	27.0	1.676	N	126.459	E	36	D	5.3	4.6	1.2	57 MOLUCCA PASSAGE
	02	13	10	20.2*	47.799	N	146.128	E	400	G	4.6		1.2	40 NORTHWEST OF KURIL ISLANDS
	02	15	00	15.5	39.638	N	142.159	E	62		4.8		1.1	30 NEAR EAST COAST OF HONSHU, JAPAN
	02	15	23	46.6&	59.391	N	153.047	W	80		2.7			38 SOUTHERN ALASKA. <AEIC>.
	02	15	38	06.3?	36.17	N	21.63	E	33	N			1.5	6 SOUTHERN GREECE. ML 3.4 (ATH).
	02	15	46	10.4?	31.20	S	69.27	W	100	G			0.2	4 SAN JUAN PROVINCE, ARGENTINA
	02	15	57	34.9&	48.629	N	119.906	W	0					30 WASHINGTON. <SEA>. CL 2.7 (SEA).
	02	16	14	00.6	1.604	N	126.527	E	38	D	5.1	4.2	1.0	29 MOLUCCA PASSAGE
	02	16	20	05.9?	35.14	N	26.24	E	10	G			1.1	4 CRETE. MD 3.7 (ATH).
	02	16	58	31.3*	24.891	N	124.331	E	10	G	4.1		1.4	9 SOUTHWESTERN RYUKYU ISLANDS
	02	17	39	00.1?	37.61	N	14.86	E	10	G			1.1	4 SICILY
	02	17	47	38.4*	31.499	S	71.996	W	29		5.1		1.4	26 NEAR COAST OF CENTRAL CHILE
	02	17	50	42.3%	37.918	N	14.933	E	33	N			1.6	5 SICILY
	02	18	40	57.3?	62.43	N	5.37	E	10	G			1.4	10 SOUTHERN NORWAY. MD 2.9 (BER).
	02	19	22	44.7	1.500	N	126.470	E	69	*	5.0		0.9	28 MOLUCCA PASSAGE
	02	21	09	20.6?	40.04	N	19.46	E	5	G			0.0	4 ALBANIA. MD 2.9 (ATH).
	02	21	15	49.2*	24.566	S	179.758	E	501	*	4.9		1.0	49 SOUTH OF FIJI ISLANDS
	02	21	17	26.4?	39.50	N	142.75	E	58	?	4.1		0.7	9 NEAR EAST COAST OF HONSHU, JAPAN
	02	22	52	44.9&	60.729	N	150.941	W	47					33 KENAI PENINSULA, ALASKA. <AEIC>.
	03	00	30	14.6%	10.872	N	62.199	W	33	N			0.7	8 NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	03	00	37	58.4*	37.094	N	29.538	E	10	G			0.9	5 TURKEY. MD 3.2 (ATH).
	03	01	41	22.1&	61.037	N	150.138	W	31					65 SOUTHERN ALASKA. <AEIC>. ML 3.0 (PMR).
	03	02	00	16.4?	16.33	N	60.98	W	33	N			0.2	5 LEEWARD ISLANDS. ML 1.8 (FDF).
	03	02	11	28.2	9.099	S	125.443	E	72	*	5.0		1.0	32 TIMOR
	03	03	20	18.6	44.740	N	6.800	E	10	G			0.8	16 FRANCE. ML 2.3 (GEN), 2.0 (LDG).
	03	03	58	25.9&	40.335	N	124.610	W	21					15 NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK).
	03	04	26	37.0	11.829	N	87.208	W	33	N	4.4		1.3	32 NEAR COAST OF NICARAGUA
	03	04	39	12.1	2.267	N	126.504	E	98	*	4.8		0.8	20 MOLUCCA PASSAGE
	03	04	49	57.6*	21.643	S	66.343	W	33	N			1.0	5 SOUTHERN BOLIVIA
	03	06	00	27.7	29.566	S	71.638	W	47	*	4.6		1.2	35 NEAR COAST OF CENTRAL CHILE
	03	06	26	00.0	15.210	N	60.701	W	27				0.3	18 LEEWARD ISLANDS. ML 3.3 (FDF). MD 3.6 (TRN).
	03	06	31	48.1	41.648	N	81.106	E	10	G	4.6		1.1	16 SOUTHERN XINJIANG, CHINA. ML 4.1 (BJI).
	03	06	40	41.7*	22.538	S	68.734	W	120	*	3.9		0.4	6 NORTHERN CHILE
	03	07	52	10.0?	16.52	N	81.85	E	10	G			1.3	7 INDIA
	03	08	01	20.6*	40.201	N	51.571	E	33	N	4.6		0.7	22 CASPIAN SEA
	03	08	16	30.4?	16.03	N	61.35	W	10	G			0.2	4 LEEWARD ISLANDS. ML 1.1 (FDF).
	03	08	46	17.8?	2.93	S	138.44	E	33	N	4.2		1.6	6 WEST IRIAN
	03	09	20	59.9	26.694	N	44.487	W	10	G	5.0	4.6	1.0	97 NORTH ATLANTIC RIDGE
	03	09	55	00.7?	16.79	S	178.34	W	33	N	5.0		1.3	18 FIJI ISLANDS REGION
	03	10	05	19.1?	32.88	S	68.94	W	15	?			0.3	5 MENDOZA PROVINCE, ARGENTINA
	03	10	41	35.9%	45.691	N	27.078	E	33	N			1.2	5 ROMANIA
	03	10	47	31.2	18.911	S	173.052	W	37	D	5.2	4.9	1.1	50 TONGA ISLANDS
	03	12	32	16.8*	29.599	S	71.727	W	51	?	4.3		1.1	19 NEAR COAST OF CENTRAL CHILE
	03	13	03	52.3&	37.823	N	121.248	W	12					19 CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt (III) at Dublin and Ripon. Also felt at Monteca.
	03	13	22	10.6*	25.394	N	91.662	E	33	N	3.8		0.7	8 INDIA-BANGLADESH BORDER REGION
	03	14	46	43.6*	5.362	N	32.487	E	10	G	4.6		1.4	13 SUDAN
	03	15	31	28.6?	39.39	N	28.04	E	5	G			0.9	5 TURKEY. MD 2.7 (ISK).
	03	15	44	07.3	35.369	N	6.257	W	90				0.6	45 STRAIT OF GIBRALTAR. MD 3.8 (MDD), 3.4 (RBA).
	03	15	59	58.7?	37.79	N	29.37	E	10	G			0.9	4 TURKEY
	03	17	19	52.6?	14.81	N	60.94	W	10	G			0.3	4 WINDWARD ISLANDS. ML 2.2 (FDF).
	03	18	03	20.6*	39.256	N	21.019	E	10	G			1.0	5 GREECE. MD 2.8 (ATH).
	03	18	38	12.2*	36.643	N	69.634	E	33	N	4.1		1.1	10 HINDU KUSH REGION
	03	20	13	58.7	57.325	N	156.758	W	112		4.4		1.1	83 ALASKA PENINSULA
	03	20	35	04.3&	60.712	N	151.608	W	65		3.0			67 KENAI PENINSULA, ALASKA. <AEIC>.
	03	22	43	34.2*	45.960	N	26.862	E	143	?			1.0	9 ROMANIA
	03	22	46	38.0%	40.154	N	28.264	E	10	G			0.7	7 TURKEY. MD 2.9 (ISK).
	03	22	47	36.8%	46.664	N	1.960	E	10	G			0.3	8 FRANCE. ML 2.0 (LDG).
	03	22	59	29.2&	62.265	N	148.723	W	42					71 CENTRAL ALASKA. <AEIC>. ML 3.1 (PMR).
	03	23	11	14.4?	37.95	N	20.51	E	10	G			1.6	4 IONIAN SEA. MD 3.0 (ATH).
	03	23	13	46.3?	33.43	S	72.82	W	10	G			1.2	11 OFF COAST OF CENTRAL CHILE
	03	23	15	25.0	44.386	N	9.709	E	16				1.4	19 NORTHERN ITALY
	03	23	21	22.0	41.125	N	22.435	E	5	G			0.7	13 YUGOSLAVIA. MD 2.9 (ATH). ML 2.4 (SKO).
	03	23	24	04.4	42.576	N	85.537	E	41	*	4.7	4.3	1.1	52 NORTHERN XINJIANG, CHINA
	03	23	58	59.9?	37.76	N	3.01	E	10	G			1.1	16 WESTERN MEDITERRANEAN SEA. ML 3.5 (LDG).
	04	01	08	20.2	44.747	N	6.777	E	11				0.8	19 FRANCE. ML 2.3 (LDG), 2.3 (GEN).
	04	01	37	02.2*	19.481	S	172.306	W	33	N	4.9		0.9	12 TONGA ISLANDS REGION
	04	02	07	21.7&	35.767	N	120.317	W	6	G				5 CENTRAL CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	04	03	00	48.3	19.120	N	145.415	E	200	*	5.0		1.0	97 MARIANA ISLANDS
	04	03	24	44.9?	40.76	N	30.35	E	10	G			0.3	5 TURKEY. MD 2.6 (ISK).
	04	03	43	19.4?	15.14	N	60.38	W	33	N			0.3	7 LEEWARD ISLANDS. ML 2.9 (FDF).

	04	04	31	41.6	34.421	N	32.221	E	52	*	3.7	1.0	38	CYPRUS. MD 4.2 (HLW). Felt (III) at Paphos and (II) at Straumbi.
	04	05	11	45.0?	51.23	N	15.96	E	10	G		1.3	7	POLAND
	04	06	09	48.2	36.050	N	140.210	E	85		3.8	0.7	18	NEAR EAST COAST OF HONSHU, JAPAN
	04	06	15	36.3?	7.32	N	72.59	W	211	?	3.5	0.7	5	NORTHERN COLOMBIA
	04	06	41	57.6?	36.54	N	13.98	E	31	*		0.8	6	MEDITERRANEAN SEA
	04	07	05	41.8&	62.002	N	149.936	W	41				43	CENTRAL ALASKA. <AEIC>.
	04	07	46	17.3?	15.40	S	70.02	W	231	?	3.3	1.2	6	SOUTHERN PERU
	04	08	21	46.0%	39.072	N	27.607	E	10	G		0.4	5	TURKEY. MD 2.9 (ISK).
	04	08	57	19.7&	37.815	N	121.252	W	11				14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt at Manteca.
	04	10	00	53.2	23.892	N	121.659	E	17	D	5.1	1.2	81	TAIWAN. ML 4.8 (BJI).
	04	10	39	04.0?	27.02	N	128.91	E	33	N	4.8	1.1	10	RYUKYU ISLANDS
	04	10	47	04.9&	61.773	N	147.072	W	3				63	SOUTHERN ALASKA. <AEIC>. ML 3.0 (PMR).
	04	13	20	21.8*	26.877	N	44.665	W	10	G	4.9	1.1	13	NORTH ATLANTIC RIDGE
	04	13	43	14.9	42.667	N	23.590	E	10	G		0.9	9	BULGARIA
	04	14	59	35.1%	40.238	N	23.458	E	10	G		0.5	5	GREECE
	04	15	11	26.3?	31.27	S	68.81	W	129	?		0.9	10	SAN JUAN PROVINCE, ARGENTINA
	04	15	22	16.8	40.261	N	29.584	E	10	G		0.3	11	TURKEY. MD 2.8 (ISK).
	04	16	12	00.8	15.756	N	93.116	W	92	D	4.9	1.1	77	NEAR COAST OF CHIAPAS, MEXICO
	04	16	12	23.3	44.747	N	6.603	E	10	G		0.6	8	FRANCE. ML 2.6 (LDG).
	04	16	15	56.8?	43.69	N	12.70	E	10	G		0.3	4	CENTRAL ITALY
	04	16	18	12.9	43.461	N	5.477	E	9			0.6	17	NEAR SOUTH COAST OF FRANCE. MD 2.9 (STR).
	04	16	28	39.5&	60.130	N	152.768	W	105		3.3		55	SOUTHERN ALASKA. <AEIC>.
	04	16	38	36.2&	36.035	N	121.560	W	13		4.5		32	CENTRAL CALIFORNIA. <BRK>. ML 4.7 (BRK). Mo=9.0*10**15 Nm (BRK). Felt (V) at Big Sur; (IV) at Mass Landing; (III) at Cambria, Lackwood, Marina, Monterey, Seaside and Soledad. Also felt at Bradley, Carmel Valley, Santa Cruz and Salinas.
	04	16	58	45.5	13.407	N	58.748	W	10	G	3.6	0.3	19	NORTH ATLANTIC OCEAN. ML 4.2 (FDF). MD 4.0 (TRN).
	04	18	15	22.3	43.679	N	10.109	E	10	G		0.9	11	CENTRAL ITALY
	04	19	37	31.8	60.910	N	43.141	W	10	G	4.8	1.1	34	WESTERN GREENLAND
	04	19	53	21.3	36.161	N	31.164	E	10	G	4.1	1.1	33	TURKEY. MD 3.8 (HLW).
	04	20	02	13.2	37.058	N	29.438	E	10	G		1.4	8	TURKEY. MD 3.4 (ISK).
	04	20	26	04.1%	11.083	N	61.923	W	33	N		0.7	6	WINDWARD ISLANDS. MD 3.3 (TRN).
	04	20	58	36.8	38.723	N	27.722	E	10	G		0.8	9	TURKEY. MD 3.0 (ATH), 2.8 (ISK).
	04	22	39	45.4	16.518	N	121.140	E	10	G	5.2 4.7	1.2	87	LUZON, PHILIPPINE ISLANDS
	04	22	57	16.0&	36.827	N	121.563	W	3				10	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	04	23	02	33.3	34.895	N	26.852	E	60	*	3.9	1.0	14	CRETE. MD 3.9 (ATH).
	04	23	58	44.7*	36.562	N	3.214	E	10	G	3.6	0.5	10	ALGERIA. mbLg 3.1 (MDD).
	05	00	51	30.7?	16.62	N	100.44	W	33	N	3.8	0.3	5	NEAR COAST OF GUERRERO, MEXICO
	05	01	45	49.2	39.277	N	29.303	E	10	G		0.5	12	TURKEY. MD 3.3 (ISK).
	05	02	19	44.7	39.872	N	23.988	E	10	G		1.0	17	AEGEAN SEA. MD 2.9 (ATH).
a	05	03	53	25.3	24.343	S	115.893	W	10	G	5.3 5.1	1.0	55	EASTER ISLAND CORDILLERA. Ma=6.0*10**17 Nm (PPT).
	05	04	20	17.2&	62.118	N	147.523	W	42				51	CENTRAL ALASKA. <AEIC>.
	05	04	22	42.2&	62.259	N	151.328	W	85				40	CENTRAL ALASKA. <AEIC>.
	05	05	05	16.0?	37.03	N	29.44	E	10	G		0.2	4	TURKEY. MD 3.3 (ISK).
	05	05	43	00.9?	33.44	S	72.24	W	10	G		0.3	6	OFF COAST OF CENTRAL CHILE
	05	09	01	05.6%	16.258	N	61.379	W	10	G		0.4	6	LEEWARD ISLANDS. ML 0.7 (FDF).
	05	09	06	09.1	43.710	N	7.799	E	15			0.9	28	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG), 2.7 (GEN). MD 2.1 (STR).
	05	09	17	43.2?	33.45	S	72.18	W	10	G		0.5	5	OFF COAST OF CENTRAL CHILE
	05	12	22	19.7*	41.591	N	22.171	E	10	G		0.6	5	YUGOSLAVIA. ML 2.0 (SKO).
	05	16	09	21.6&	36.585	N	121.068	W	10				22	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Felt (III) at Salinas.
	05	17	18	39.0&	59.907	N	153.292	W	123				31	SOUTHERN ALASKA. <AEIC>.
	05	17	28	47.6&	36.672	N	121.340	W	4				14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	05	19	13	34.4&	62.649	N	151.575	W	10				36	CENTRAL ALASKA. <AEIC>.
	05	19	37	23.6*	15.165	S	166.485	E	79	*	4.2	0.7	8	VANUATU ISLANDS
	05	20	28	49.4	39.816	N	24.517	E	10	G		0.9	12	AEGEAN SEA. MD 2.8 (ATH).
	05	21	12	30.3	46.540	N	9.749	E	5	G		1.1	31	SWITZERLAND. ML 2.7 (LDG), 2.5 (KBA).
	05	22	14	40.0?	21.42	S	173.45	W	32	D	4.8	1.6	16	TONGA ISLANDS
	05	23	09	25.2?	37.07	N	29.44	E	10	G		0.9	4	TURKEY. MD 3.0 (ISK).
a	05	23	34	30.6	17.720	N	61.642	W	42		5.1 4.6	1.0	107	LEEWARD ISLANDS. MD 5.1 (TRN). Felt (V) on Antigua and (III) on Guadeloupe.
	05	23	48	51.5*	17.978	N	61.520	W	33	N		0.8	7	LEEWARD ISLANDS. ML 3.2 (FDF).
	05	23	49	55.8	17.751	N	61.685	W	43		4.9 4.7	0.8	86	LEEWARD ISLANDS. MD 4.9 (TRN). Felt (IV) on Antigua and (III) on Guadeloupe.
	05	23	57	28.8	46.188	N	1.985	W	10	G		0.8	25	FRANCE. ML 3.7 (LDG). MD 3.7 (STR).
	05	23	59	07.3%	40.724	N	29.895	E	10	G		1.0	5	TURKEY. MD 2.6 (ISK).
	06	00	12	53.6?	37.01	N	29.40	E	10	G		0.1	4	TURKEY. MD 2.9 (ISK).
	06	02	44	48.0	41.115	N	22.367	E	10	G		0.6	10	YUGOSLAVIA. ML 2.1 (SKO).
	06	03	10	08.7	41.103	N	22.354	E	10	G		0.4	10	YUGOSLAVIA. ML 2.1 (SKO).
	06	03	50	02.6?	39.20	N	23.61	E	10	G		0.3	4	AEGEAN SEA
	06	05	19	41.9?	17.90	N	61.63	W	30		4.0	0.4	10	LEEWARD ISLANDS. ML 3.9 (FDF).
	06	05	32	55.5?	16.28	N	61.96	W	157	?	3.4	0.2	7	LEEWARD ISLANDS
	06	05	34	06.7	23.056	N	120.993	E	10	G		1.1	8	TAIWAN
	06	05	45	36.8*	16.024	S	179.714	E	33	N	4.0 4.6	1.1	13	FIJI ISLANDS
	06	07	25	50.9*	16.546	N	94.739	W	91	*	4.0	1.0	15	OAXACA, MEXICO
	06	07	33	06.1*	37.554	N	23.450	E	135	?		1.3	10	SOUTHERN GREECE
	06	07	39	33.3*	6.099	S	142.017	E	33	N	4.3	1.2	5	PAPUA NEW GUINEA
a	06	07	58	38.7	52.349	N	152.413	E	495	D	5.0	0.9	210	NORTHWEST OF KURIL ISLANDS
	06	08	01	15.1?	50.44	N	19.38	E	10	G		0.9	4	POLAND. ML 3.4 (KRA).
	06	09	31	50.8?	50.86	N	14.70	E	10	G		0.2	5	CZECHOSLOVAKIA
	06	10	03	02.7	28.428	N	106.332	W	5	G	3.9	0.8	16	CHIHUAHUA, MEXICO. MD 3.8 (SNM). Felt in the Chihuahua-General Trias area.
	06	10	15	57.2*	44.617	N	150.128	E	33	N	3.8	0.8	7	KURIL ISLANDS REGION
	06	10	19	55.6&	66.085	N	150.088	W	10	G			7	ALASKA. <AEIC>.
	06	10	32	42.5*	23.917	N	121.693	E	10	G	3.9	1.3	12	TAIWAN
	06	10	45	10.7	41.902	N	22.999	E	12			1.1	17	YUGOSLAVIA. ML 2.8 (SKO). MD 3.0 (ATH).
	06	11	44	51.8	7.068	S	144.801	E	22		5.2 4.3	0.7	40	NEAR S COAST OF PAPUA NEW GUINEA
	06	12	53	20.3?	37.03	N	29.43	E	10	G		0.5	4	TURKEY. MD 3.0 (ISK).
	06	13	46	46.6&	39.500	N	111.077	W	4		3.5		13	UTAH. <SLC-P>. ML 3.1 (SLC). Felt at the U.S. Fuel

															Company Gentry Mountain Mine.
	06	15	46	21.6*	41.122	N	22.376	E	10	G			0.5	6	YUGOSLAVIA. ML 1.4 (SKO).
	06	16	15	06.2	40.613	N	23.635	E	10	G			0.5	7	GREECE
	06	16	39	10.6?	4.46	N	78.46	W	33	N	4.1		1.1	14	SOUTH OF PANAMA
	06	18	00	47.3*	0.063	N	123.588	E	140	*	4.9		0.7	14	MINAHASSA PENINSULA
	06	18	02	26.0*	41.956	N	23.164	E	10	G			0.6	5	GREECE-BULGARIA BORDER REGION
	06	18	30	29.8	26.829	S	26.619	E	5	G			1.4	14	REPUBLIC OF SOUTH AFRICA. ML 3.9 (PRE). mbLg 3.8 (BUL).
	06	19	38	41.1*	25.273	N	95.410	E	138	?	4.0		0.3	8	BURMA-INDIA BORDER REGION
	06	19	39	00.2*	42.901	S	85.861	W	10	G	5.1		1.0	35	WEST CHILE RISE
	06	20	05	28.6?	51.76	N	9.66	E	10	G			1.8	5	GERMANY. ML 2.9 (BNS).
	06	20	09	37.4?	28.83	S	71.61	W	33	N			1.2	12	NEAR COAST OF CENTRAL CHILE
	06	20	46	27.4%	16.409	N	98.973	W	10	G			0.8	5	NEAR COAST OF GUERRERO, MEXICO
	06	20	48	56.3&	60.640	N	151.093	W	54					33	KENAI PENINSULA, ALASKA. <AEIC>.
	06	21	47	17.7%	41.748	N	12.851	E	10	G			0.5	5	SOUTHERN ITALY
	06	21	58	51.3%	46.479	N	2.384	E	10	G			0.4	9	FRANCE. ML 1.8 (LDG).
	06	22	18	13.3*	34.421	N	32.172	E	33	N			0.6	5	CYPRUS. ML 3.1 (CSS).
	06	22	22	33.9	44.403	N	6.652	E	10	G			0.5	6	FRANCE. ML 1.9 (LDG).
	07	00	46	54.5	44.415	N	6.885	E	11				0.8	56	FRANCE. ML 3.3 (LDG), 3.2 (GEN). MD 2.8 (STR).
	07	01	32	58.7	40.578	N	21.476	E	10	G			0.6	16	GREECE. MD 3.1 (ATH).
	07	01	42	28.6%	45.958	N	2.776	E	10	G			0.5	11	FRANCE. ML 2.0 (LDG).
	07	02	43	22.4&	58.689	N	152.291	W	11					31	KODIAK ISLAND REGION. <AEIC>.
a	07	03	50	28.7	51.693	N	174.221	E	34	D	5.7	5.3	1.0	298	NEAR ISLANDS, ALEUTIAN ISLANDS
	07	03	52	34.8*	37.035	N	29.426	E	10	G			0.4	5	TURKEY. MD 3.2 (ISK).
	07	03	55	08.6?	51.72	N	174.18	E	33	N	4.9		1.2	15	NEAR ISLANDS, ALEUTIAN ISLANDS
	07	03	57	48.9	51.703	N	174.136	E	32	D	4.9		0.9	87	NEAR ISLANDS, ALEUTIAN ISLANDS
	07	03	59	05.0&	51.700	N	174.200	E	33	N	4.8			6	NEAR ISLANDS, ALEUTIAN ISLANDS. <SPEC>. Held to mainshock location.
	07	04	04	03.8?	9.90	N	59.99	W	33	N			0.5	7	NORTH ATLANTIC OCEAN. MD 3.7 (TRN).
	07	04	06	10.4	6.103	S	103.358	E	33	N	5.0		1.1	45	SOUTHWEST OF SUMATERA
	07	04	28	08.5?	51.54	N	173.82	E	33	N	4.1		0.8	5	NEAR ISLANDS, ALEUTIAN ISLANDS
	07	04	48	07.1	45.103	N	5.578	E	10	G			1.0	28	FRANCE. ML 2.6 (LDG).
	07	04	49	22.0?	35.60	N	26.67	E	10	G			0.3	4	CRETE. MD 3.4 (ATH).
	07	04	56	42.3	35.606	N	26.621	E	10		3.9		1.0	13	CRETE. MD 3.9 (ATH).
	07	05	23	34.5&	60.708	N	148.837	W	23					35	KENAI PENINSULA, ALASKA. <AEIC>.
a	07	06	04	20.5	66.354	N	147.958	W	10	G	5.5	4.8	1.0	241	ALASKA. Felt (IV) at Beaver, Eielson Air Force Base, Ester, Fairbanks, North Pole and Rampart. Also felt at Chena Hot Springs and Fort Yukon.
	07	06	07	49.9?	4.62	S	134.89	E	33	N	4.9		1.3	10	WEST IRIAN REGION
	07	06	17	35.3	66.343	N	148.015	W	10	G			0.7	17	ALASKA
	07	06	21	31.9	43.409	N	5.434	E	10	G			0.7	18	NEAR SOUTH COAST OF FRANCE. MD 2.8 (STR).
	07	06	59	44.2*	66.311	N	147.808	W	10	G			0.8	10	ALASKA
	07	07	12	48.1	47.590	N	15.503	E	10	G			1.3	8	AUSTRIA. ML 3.0 (VIE). Felt (V) at Veitsch-Pretal.
	07	09	06	33.0?	56.78	S	27.11	W	110	G	5.1		1.0	11	SOUTH SANDWICH ISLANDS REGION
	07	09	17	52.7?	15.90	N	60.35	W	33	N			0.2	6	LEEWARD ISLANDS. ML 2.1 (FDF).
	07	09	50	47.0%	40.864	N	27.856	E	10	G			0.5	7	TURKEY. MD 3.0 (ISK).
	07	11	33	00.9*	11.432	N	86.121	W	33	N	4.3		1.1	9	NEAR COAST OF NICARAGUA
	07	11	56	19.1?	43.03	N	0.70	W	10	G			0.7	4	PYRENEES. MD 1.0 (STR).
	07	11	56	22.9*	41.267	N	20.229	E	10	G			1.1	11	ALBANIA. ML 3.0 (TTG).
	07	12	15	53.2%	43.110	N	0.620	W	10	G			0.5	5	PYRENEES. MD 1.0 (STR).
	07	12	23	32.1*	12.277	N	144.462	E	48	*	4.4		0.7	14	SOUTH OF MARIANA ISLANDS
	07	12	24	00.9	42.666	N	23.609	E	10	G			0.9	8	BULGARIA
	07	13	19	45.7%	39.405	N	27.793	E	10	G			0.6	6	TURKEY. MD 2.7 (ISK).
	07	13	36	32.1*	54.092	N	163.769	W	33	N	4.8		1.0	42	UNIMAK ISLAND REGION
	07	13	38	56.1%	43.237	N	19.026	E	10	G			0.4	5	YUGOSLAVIA. ML 1.8 (TTG).
	07	16	16	55.7*	39.491	N	119.127	W	5	G			0.6	5	NEVADA. MD 2.9 (GM).
	07	16	26	33.5*	28.078	N	128.498	E	126	?	4.4		1.2	18	RYUKYU ISLANDS
	07	17	17	27.2?	13.40	N	89.63	W	33	N			0.6	4	EL SALVADOR. Felt (II) at San Salvador.
	07	17	28	00.5%	31.287	S	67.973	W	10	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	07	17	33	24.3&	60.048	N	153.297	W	137		3.2			57	SOUTHERN ALASKA. <AEIC>.
	07	17	48	25.3*	42.938	N	146.305	E	33	N	4.4		0.8	13	OFF COAST OF HOKKAIDO, JAPAN
	07	18	15	15.4&	59.769	N	153.503	W	123					62	SOUTHERN ALASKA. <AEIC>.
	07	18	55	41.5?	36.25	N	76.25	E	33	N	3.7		0.9	7	KASHMIR-XINJIANG BORDER REGION
	07	19	38	54.9*	56.217	S	26.674	W	33	N	5.0		1.2	14	SOUTH SANDWICH ISLANDS REGION
	07	22	37	34.5?	40.71	N	29.98	E	10	G			0.2	4	TURKEY. MD 2.5 (ISK).
	07	23	09	03.3	12.804	S	168.378	E	631	*	4.7		1.1	71	SANTA CRUZ ISLANDS REGION
	07	23	16	57.8*	4.620	S	144.968	E	124	*	4.9		0.9	23	NEAR N COAST OF PAPUA NEW GUINEA
	07	23	40	40.7*	35.510	N	26.721	E	10				1.2	8	CRETE. MD 3.7 (ATH).
	08	00	38	14.7&	40.562	N	122.848	W	36					5	NORTHERN CALIFORNIA. <GM>. MD 3.0 (GM).
	08	01	38	52.1	7.547	S	128.765	E	103		5.4		0.9	93	BANDA SEA
	08	01	48	56.4?	15.09	N	60.53	W	33	N			0.2	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	08	03	56	33.8	40.689	N	23.040	E	10	G			1.1	12	GREECE. ML 1.8 (SKO).
	08	04	26	56.1	37.084	N	29.432	E	10	G			0.6	12	TURKEY. MD 3.7 (ISK).
	08	04	38	56.6&	40.368	N	124.292	W	27					4	NEAR COAST OF NORTHERN CALIF. <GM>. MD 2.9 (GM).
	08	04	42	39.3*	35.553	N	26.765	E	10	G			1.5	10	CRETE. MD 3.7 (ATH).
	08	05	08	48.2	38.718	N	26.651	E	10	G			0.6	10	AEGEAN SEA. MD 3.6 (ATH), 3.4 (ISK).
	08	05	11	52.4?	51.60	N	173.88	E	33	N	3.9		0.7	6	NEAR ISLANDS, ALEUTIAN ISLANDS
	08	05	29	21.0	35.235	N	26.886	E	10	G			1.0	4	CRETE. MD 3.2 (ATH).
	08	06	13	42.8?	40.56	N	27.27	E	10	G			0.3	5	TURKEY. MD 3.0 (ISK).
	08	07	06	40.5?	35.98	S	70.77	W	33	N	4.1		1.3	13	CHILE-ARGENTINA BORDER REGION
	08	07	29	33.6&	61.276	N	146.887	W	24					53	SOUTHERN ALASKA. <AEIC>.
	08	07	33	30.0&	39.497	N	122.940	W	4					7	NORTHERN CALIFORNIA. <GM>. MD 3.0 (GM).
	08	09	37	55.9?	8.74	S	128.09	E	134	?	4.5		1.5	7	TIMOR SEA
	08	10	02	18.6%	44.879	N	7.685	E	10	G			0.4	5	NORTHERN ITALY. ML 1.8 (GEN).
	08	10	24	25.6?	26.90	N	44.55	W	10	G	4.4		1.1	8	NORTH ATLANTIC RIDGE
	08	11	31	40.2*	10.883	N	86.506	W	42	?	4.1		1.1	11	OFF COAST OF COSTA RICA
	08	12	59	43.6?	42.21	N	25.93	E	10	G			1.3	5	BULGARIA
	08	13	01	13.9?	24.76	N	123.42	E	70	G			0.9	7	SOUTHWESTERN RYUKYU ISLANDS
	08	13	50	44.3*	35.754	N	23.649	E	72	*	4.0		0.9	12	CRETE. MD 3.7 (ATH).
	08	14	17	25.4*	14.027	S	75.823	W	63	*	4.7		1.5	21	NEAR COAST OF PERU
	08	16	02	21.9&	62.930	N	150.467	W	105		2.9			62	CENTRAL ALASKA. <AEIC>.
	08	16	26	01.8	32.647	N	137.695	E	362		4.9		0.8	74	SOUTH OF HONSHU, JAPAN
	08	17	03	44.7	36.245	N	25.283	E	33	N			0.7	4	DODECANESE ISLANDS. ML 2.4 (TTG).
	08	17	22	30.6	40.870	N	23.645	E	10	G			0.8	13	GREECE

	08	18 32 53.9	44.476	N	7.293	E	15				0.7	18	NORTHERN ITALY. ML 2.3 (LDG), 2.1 (GEN).
	08	18 34 25.8*	37.058	N	29.469	E	10	G			0.8	5	TURKEY. MD 3.1 (ISK).
	08	18 35 54.1	43.353	N	0.735	W	10	G			0.8	23	PYRENEES. mbLg 3.0 (MDD). MD 2.7 (STR). Felt (III) at Barcus and Feas, France.
	08	19 02 57.3?	37.01	N	29.47	E	10	G			0.6	4	TURKEY. MD 3.1 (ISK).
	08	19 07 23.3	41.075	N	22.355	E	10	G			0.6	9	YUGOSLAVIA. ML 2.0 (SKO).
	08	19 12 26.3*	16.563	S	173.548	W	90	?	4.4		1.2	18	TONGA ISLANDS
	08	19 57 08.8?	17.03	N	61.81	W	10	G			0.2	7	LEEWARD ISLANDS. ML 2.9 (FDF).
	08	20 00 49.5?	17.07	N	61.77	W	10	G			0.1	6	LEEWARD ISLANDS. ML 2.0 (FDF).
	08	21 15 29.7&	58.692	N	154.518	W	104					49	ALASKA PENINSULA. <AEIC>.
	08	21 27 50.3	46.560	N	12.907	E	10	G			1.4	41	NORTHERN ITALY. ML 2.9 (VKA). MD 2.8 (TRI).
	08	21 28 30.6?	52.58	N	167.88	W	33	N	4.8		0.8	17	FOX ISLANDS, ALEUTIAN ISLANDS
	08	22 15 57.5?	15.19	N	97.68	W	33	N	3.1		1.0	6	NEAR COAST OF OAXACA, MEXICO
	08	22 43 07.9*	61.854	S	154.442	E	10	G	4.6	4.3	1.5	9	BALLENY ISLANDS REGION
	08	22 56 18.9	51.732	N	174.150	E	33	N	4.5		0.9	47	NEAR ISLANDS, ALEUTIAN ISLANDS
	08	23 07 13.6?	34.66	N	25.83	E	10	G			1.2	5	CRETE. MD 3.9 (ATH).
	08	23 16 50.6*	8.569	S	118.357	E	150	*	5.0		1.3	21	SUMBAWA ISLAND REGION
	08	23 19 09.1?	37.75	N	15.04	E	10	G			0.6	4	SICILY
	09	00 44 37.0*	37.749	N	15.067	E	10	G			0.4	5	SICILY
	09	00 48 13.8?	33.54	S	72.26	W	10	G			0.2	5	OFF COAST OF CENTRAL CHILE
	09	02 05 04.1&	60.237	N	152.301	W	79					51	SOUTHERN ALASKA. <AEIC>.
a	09	02 08 50.9	15.348	S	176.901	W	28	D	5.6	6.0	1.2	194	FIJI ISLANDS REGION. Ms 5.9 (BRK). Ma=1.0*10**18 Nm (PPT).
	09	02 08 55.1%	41.869	N	24.661	E	10	G			1.0	5	GREECE-BULGARIA BORDER REGION
	09	03 16 58.9&	38.045	N	119.152	W	10					15	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK).
	09	03 51 41.3?	37.20	N	3.99	W	10	G			0.1	4	SPAIN. mbLg 2.1 (MDD).
	09	04 06 56.0	34.653	N	32.925	E	10	G			1.2	7	CYPRUS. ML 3.6 (CSS). Felt (IV) at Limassal.
	09	05 29 20.7&	62.932	N	148.249	W	71					52	CENTRAL ALASKA. <AEIC>.
	09	07 26 21.2%	11.699	N	60.610	W	33	N			1.3	7	WINDWARD ISLANDS. MD 3.2 (TRN).
	09	08 05 12.2	29.931	N	131.169	E	35	*	4.6		0.9	41	RYUKYU ISLANDS REGION
	09	08 30 53.7%	16.268	N	61.381	W	10	G			0.4	5	LEEWARD ISLANDS. ML 2.1 (FDF).
	09	08 37 09.4*	23.174	S	179.322	W	602	?	4.5		1.1	26	SOUTH OF FIJI ISLANDS
a	09	08 39 45.1	27.210	S	63.398	W	573		5.0		0.9	118	SANTIAGO DEL ESTERO PROV., ARG.
	09	08 45 55.4*	5.196	N	32.466	E	10	G	4.8		1.1	12	SUDAN
	09	08 56 40.7	42.392	N	23.642	E	10	G	3.5		1.0	27	BULGARIA. ML 3.5 (ATH). Felt at Samakav.
	09	09 45 22.4&	59.807	N	151.982	W	83					65	KENAI PENINSULA, ALASKA. <AEIC>.
	09	11 59 20.7?	38.22	N	144.17	E	33	N	4.1		0.6	8	OFF EAST COAST OF HONSHU, JAPAN
	09	12 37 08.0	43.355	N	13.514	E	10	G			1.4	14	CENTRAL ITALY
	09	13 31 54.9	6.992	S	129.445	E	80		5.0		1.2	51	BANDA SEA
	09	14 29 28.0%	35.621	N	23.470	E	33	N			0.5	6	CRETE. MD 3.3 (ATH).
	09	14 34 02.4%	42.680	N	4.121	E	10	G			0.5	10	WESTERN MEDITERRANEAN SEA. ML 3.0 (LDG).
	09	15 11 21.9	40.572	S	174.011	E	132				0.9	39	COOK STRAIT, NEW ZEALAND. Felt in parts of central New Zealand.
	09	15 29 24.1*	28.257	N	104.127	E	10	G	3.6		1.2	8	SICHUAN PROVINCE, CHINA. ML 3.2 (BJI).
f	09	16 18 58.3	9.929	S	159.139	E	10	G	6.4	6.9	1.1	334	SOLOMON ISLANDS. Ms 6.8 (BRK), 6.7 (PAS). Ma=2.0*10**19 Nm (PPT). Minar damage at Haniara. Felt strangly an Guadalcanal. Felt in the Flarida Islands, an Malaita and in western San Cristabal. A small tsunami was generated with maximum wave height 4 cm. (peak-ta-traugh) at Haniara. Complex event abserved an braadband displacement seismagrams.
	09	16 30 32.5	9.858	S	159.174	E	10	G	5.9	6.4	0.8	201	SOLOMON ISLANDS. Complex event abserved an braadband displacement seismagrams.
	09	16 53 52.1%	38.701	N	15.875	E	10	G			1.1	10	SICILY
	09	18 12 31.2	9.916	S	159.056	E	10	G	4.9		0.7	17	SOLOMON ISLANDS
	09	18 58 12.2	38.656	N	31.786	E	56		3.8		0.6	43	TURKEY
	09	19 40 36.6&	60.436	N	144.664	W	0		3.5			46	SOUTHERN ALASKA. <AEIC>.
	09	19 49 57.2	9.996	S	159.110	E	10	G			0.4	12	SOLOMON ISLANDS
	09	20 18 42.3*	39.653	N	74.874	E	33	N	4.2		1.1	11	SOUTHERN XINJIANG, CHINA
	09	20 46 31.1*	43.510	N	3.079	E	10	G			0.7	5	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).
	09	20 47 02.5?	43.65	N	3.15	E	10	G			0.1	4	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG).
	09	21 47 03.8&	60.325	N	151.005	W	54					36	KENAI PENINSULA, ALASKA. <AEIC>.
	09	22 07 36.3&	66.274	N	147.903	W	0					17	ALASKA. <AEIC>.
	09	22 37 22.9&	62.207	N	149.393	W	48		2.7			68	CENTRAL ALASKA. <AEIC>.
	09	23 59 48.4*	39.702	S	78.767	E	10	G	4.4		0.4	11	MID-INDIAN RISE
	10	00 51 16.0	4.698	S	129.178	E	211		5.4		0.9	59	BANDA SEA
	10	01 01 51.6*	38.385	N	21.835	E	10	G			1.5	7	GREECE. MD 3.0 (ATH).
	10	01 14 00.9*	32.202	S	67.168	W	33	N	4.0		1.3	13	MENDOZA PROVINCE, ARGENTINA
	10	01 21 02.9%	38.371	N	22.236	E	10	G			1.4	5	GREECE. MD 2.9 (ATH).
	10	01 43 06.4	38.679	N	70.226	E	33	N	4.9		1.4	29	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Ragun, Kamsamalabad and Obigarm, USSR.
	10	02 19 30.0*	33.390	S	178.533	W	109	?	5.1		1.2	15	SOUTH OF KERMADEC ISLANDS
	10	03 46 03.9%	38.398	N	31.736	E	10	G			0.6	9	TURKEY. MD 3.2 (ISK).
	10	03 49 41.1&	60.640	N	147.556	W	17					36	SOUTHERN ALASKA. <AEIC>.
	10	05 19 18.7	38.540	N	29.370	E	10	G			0.5	12	TURKEY. MD 3.5 (ISK).
	10	05 19 58.5	37.700	N	15.252	E	10	G			0.6	13	SICILY
	10	07 40 22.9*	37.700	N	15.156	E	10	G			1.4	6	SICILY
	10	09 00 59.4%	77.285	N	19.879	E	10	G			1.0	6	SVALBARD REGION. MD 3.8 (BER).
	10	10 58 44.1?	37.56	N	20.53	E	10	G			1.2	5	IONIAN SEA. MD 3.1 (ATH).
	10	12 01 39.7*	41.869	N	19.913	E	10	G			1.2	5	ALBANIA. ML 2.8 (TIR).
f	10	12 42 37.6	8.745	N	39.854	W	10	G	5.9	5.9	0.9	386	CENTRAL MID-ATLANTIC RIDGE. Ms 5.8 (BRK), 5.6 (PAS). Ma=1.6*10**18 Nm (PPT). Complex event abserved on braadband displacement seismagrams.
	10	12 57 34.1*	30.637	S	72.075	W	54	*	4.8		1.2	24	OFF COAST OF CENTRAL CHILE
	10	12 58 56.4*	37.770	N	16.633	E	33	N			1.0	9	IONIAN SEA
	10	13 30 13.3*	22.434	S	68.766	W	121	*	4.5		1.2	10	NORTHERN CHILE
a	10	14 15 19.8	14.005	N	144.743	E	156		5.5		1.1	240	MARIANA ISLANDS. mb 5.9 (BRK). Ma=6.0*10**17 Nm (PPT). Felt (IV) in narthern Guam.
	10	15 34 42.9?	5.37	S	131.61	E	76	?	4.6		1.2	7	BANDA SEA
	10	16 28 52.9*	11.287	N	125.471	E	65	?	4.9		0.8	16	SAMAR, PHILIPPINE ISLANDS
	10	16 37 08.6	43.183	N	0.579	W	10	G			0.5	11	PYRENEES. ML 2.8 (LDG).
	10	16 55 26.6	40.721	N	15.815	E	10	G			0.6	6	SOUTHERN ITALY
	10	17 29 40.7	8.864	S	124.308	E	139	*	5.0		1.1	35	TIMOR

	10	18	34	38.0	14.136	N	61.174	W	10	G		0.6	6	WINDWARD ISLANDS. ML 2.2 (FDF). MD 2.4 (TRN).
	10	19	32	53.4	39.600	N	23.652	E	10	G		1.3	19	AEGEAN SEA. ML 3.3 (ATH).
	10	19	48	55.4*	51.993	N	177.085	E	74	*	4.0	0.8	9	RAT ISLANDS, ALEUTIAN ISLANDS
	10	19	55	08.5	21.088	S	179.101	W	619		5.0	0.8	69	FIJI ISLANDS REGION
	10	20	06	12.5	48.102	N	154.907	E	33	N	5.1 4.4	0.9	80	KURIL ISLANDS
	10	20	29	22.4?	49.11	N	154.09	E	33	N	4.4	1.6	11	KURIL ISLANDS
	10	21	16	26.4*	51.632	N	173.673	W	33	N	4.8	0.9	23	ANDREANOF ISLANDS, ALEUTIAN IS.
	10	21	29	09.8%	60.154	N	5.124	E	10	G		0.8	5	SOUTHERN NORWAY. MD 1.7 (BER).
	10	23	23	30.3%	42.393	N	19.374	E	10	G		0.8	9	YUGOSLAVIA. ML 1.9 (TTG).
	10	23	29	25.6&	59.944	N	151.495	W	51				26	KENAI PENINSULA, ALASKA. <AEIC>.
	10	23	36	27.4	39.946	N	19.793	E	5	G	3.5	1.1	29	GREECE-ALBANIA BORDER REGION. MD 3.6 (ATH). ML 3.4 (TIR).
	10	23	39	02.6*	51.550	N	16.060	E	9			0.5	11	POLAND. ML 3.7 (VKA).
	11	00	00	06.1&	35.980	N	89.950	W	14				22	TENNESSEE. <SLM-P>. MD 3.0 (SLM). Felt (II) at Blytheville and Gosnell, Arkansas.
	11	00	01	29.1*	30.321	S	72.717	W	33	N	3.9	1.3	13	OFF COAST OF CENTRAL CHILE
	11	00	29	50.7?	51.74	N	173.97	E	33	N	4.1	1.1	6	NEAR ISLANDS, ALEUTIAN ISLANDS
	11	00	51	09.3?	31.85	S	177.23	W	138	?	4.7	1.7	14	KERMADEC ISLANDS REGION
	11	02	18	49.0	41.116	N	22.337	E	5	G		0.8	11	YUGOSLAVIA. MD 2.0 (THE). ML 2.0 (SKO).
	11	03	09	21.8*	41.262	N	22.330	E	5	G		1.3	7	YUGOSLAVIA. MD 1.6 (THE).
	11	03	34	31.1?	46.01	N	2.83	E	10	G		1.2	4	FRANCE. ML 1.5 (LDG).
	11	03	35	25.5?	61.46	S	159.94	E	10	G	4.7	1.6	6	BALLENY ISLANDS REGION
	11	03	53	15.6&	61.955	N	152.258	W	149				32	SOUTHERN ALASKA. <AEIC>.
	11	04	15	21.7?	34.89	N	26.17	E	10	G		1.6	4	CRETE. MD 3.6 (ATH).
	11	05	20	21.4*	21.009	S	68.801	W	183	?		0.9	6	CHILE-BOLIVIA BORDER REGION
	11	05	30	28.9	41.133	N	22.372	E	5	G		0.7	9	YUGOSLAVIA. MD 2.1 (THE). ML 1.9 (SKO).
	11	06	17	13.5?	41.09	N	22.39	E	10	G		0.1	4	YUGOSLAVIA
	11	06	55	00.9	41.113	N	22.345	E	5	G		0.5	9	YUGOSLAVIA. ML 1.9 (SKO).
	11	07	07	01.5%	40.282	N	27.925	E	10	G		0.2	6	TURKEY. MD 2.9 (ISK).
	11	07	25	50.3	41.121	N	22.344	E	5	G		0.5	8	YUGOSLAVIA. ML 1.4 (SKO).
	11	07	40	25.7%	46.291	N	2.720	E	10	G		0.7	5	FRANCE. ML 1.9 (LDG).
	11	08	07	46.0	35.872	N	140.152	E	75		4.2	0.9	26	NEAR EAST COAST OF HONSHU, JAPAN
	11	08	23	46.7	38.606	N	25.848	E	10	G		0.5	9	AEGEAN SEA. MD 3.6 (ATH), 3.2 (ISK).
	11	09	01	11.0	36.514	N	70.141	E	217	D	4.8	0.9	114	HINDU KUSH REGION. Felt (II) at Khorog, USSR.
	11	09	38	45.4*	6.446	S	130.024	E	184	?	4.4	0.9	14	BANDA SEA
	11	10	20	01.6%	16.262	N	61.377	W	10	G		0.3	6	LEEWARD ISLANDS. ML 2.2 (FDF).
a	11	10	31	11.0	5.362	N	82.510	W	10	G	5.1 4.9	1.0	70	SOUTH OF PANAMA
	11	10	39	55.4?	50.31	N	18.92	E	10	G		0.7	4	POLAND. ML 3.0 (KRA).
	11	10	41	09.6%	39.102	N	27.613	E	10	G		1.3	5	TURKEY. MD 2.8 (ISK).
	11	10	43	10.7?	38.62	N	0.63	W	10	G		0.9	4	SPAIN. mbLg 2.6 (MDD). Felt (III) at Castalla.
	11	11	09	28.7	6.759	S	130.191	E	96		5.1	1.0	28	BANDA SEA
	11	11	20	03.1*	21.588	N	142.825	E	300	G	4.0	0.4	9	MARIANA ISLANDS REGION
	11	12	31	21.9?	39.42	N	26.84	E	5	G		0.3	5	TURKEY. MD 2.8 (ISK).
	11	14	17	26.2	38.695	N	119.679	W	5	G		0.9	6	CALIFORNIA-NEVADA BORDER REGION. MD 2.8 (GM).
	11	14	27	01.6?	71.57	N	11.83	W	10	G	3.5	1.5	5	JAN MAYEN ISLAND REGION
	11	15	43	43.6	44.871	N	6.704	E	14		4.6	1.1	170	FRANCE. ML 5.1 (GRF), 4.7 (LDG), 4.7 (ZUR). MD 4.6 (STR), 4.5 (TRI).
	11	15	45	30.8?	44.85	N	6.72	E	5	G		0.5	4	FRANCE. ML 1.7 (GEN).
	11	15	53	14.2	68.008	N	18.648	W	10	G	4.4	1.2	32	ICELAND REGION
	11	16	33	31.2*	36.946	N	5.627	W	10	G		1.6	6	STRAIT OF GIBRALTAR. mbLg 2.2 (MDD).
	11	16	54	01.5	5.457	S	152.420	E	37	D	4.9 4.3	0.9	34	NEW BRITAIN REGION
	11	16	59	37.9?	36.83	N	30.30	E	10	G		0.2	4	TURKEY. MD 3.2 (ISK).
	11	17	53	33.3	37.716	N	29.328	E	10	G		0.6	8	TURKEY. MD 3.2 (ISK).
	11	20	14	18.2?	68.03	N	19.06	W	10	G	4.5	1.1	6	ICELAND REGION
	11	21	50	55.0?	23.64	S	115.57	W	10	G	4.7 4.4	0.7	13	EASTER ISLAND CORDILLERA
	11	22	10	56.8	43.159	N	26.025	E	10	G		0.8	11	BULGARIA
	11	22	17	36.9	23.814	N	121.671	E	10	G	4.3	1.0	18	TAIWAN. ML 4.4 (BJI).
	11	22	22	11.3*	24.512	N	123.391	E	33	N	4.4	0.5	5	SOUTHWESTERN RYUKYU ISLANDS
	11	23	43	27.0?	26.40	N	44.56	W	10	G	4.9	1.4	17	NORTH ATLANTIC RIDGE
	11	23	49	52.2?	16.27	N	61.37	W	10	G		0.1	4	LEEWARD ISLANDS. ML 1.7 (FDF).
	11	23	57	31.3?	28.89	S	178.07	W	33	N		1.6	5	KERMADEC ISLANDS REGION
	12	00	30	25.6?	3.09	S	80.40	W	33	N		0.4	5	PERU-ECUADOR BORDER REGION
	12	00	54	55.0?	16.50	S	69.54	W	203	*		1.3	9	PERU-BOLIVIA BORDER REGION
	12	01	17	13.3	39.412	N	27.838	E	13			1.1	19	TURKEY. MD 3.4 (ISK), 3.3 (ATH).
	12	01	29	46.2?	31.47	S	68.47	W	90	G		0.3	5	SAN JUAN PROVINCE, ARGENTINA
	12	01	35	06.0	6.986	S	129.777	E	121		5.3	0.8	77	BANDA SEA
	12	02	15	57.9*	31.070	S	69.573	W	110	G		0.3	6	SAN JUAN PROVINCE, ARGENTINA
	12	03	23	34.2*	36.764	N	71.142	E	191	?	4.3	0.8	15	AFGHANISTAN-USSR BORDER REGION
	12	03	29	38.9&	61.778	N	150.650	W	52				34	SOUTHERN ALASKA. <AEIC>.
	12	04	11	15.0%	44.768	N	8.847	E	33	N		0.9	10	NORTHERN ITALY. ML 2.4 (GEN).
	12	04	24	52.5?	31.57	S	68.08	W	90	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	12	04	27	04.5*	51.212	N	178.523	W	33	N	4.8	0.7	15	ANDREANOF ISLANDS, ALEUTIAN IS.
	12	06	05	12.5&	59.592	N	152.783	W	83				37	SOUTHERN ALASKA. <AEIC>.
	12	06	42	12.6	43.433	N	5.431	E	10	G		1.4	8	NEAR SOUTH COAST OF FRANCE. MD 2.8 (STR).
	12	07	05	49.8	44.059	N	6.711	E	10	G		0.7	15	FRANCE. ML 2.3 (LDG), 2.1 (GEN).
	12	08	04	57.8?	42.27	N	13.23	E	10	G		1.1	4	CENTRAL ITALY
	12	09	15	37.5?	39.13	N	27.70	E	5	G		0.1	4	TURKEY
	12	09	39	33.9&	37.782	N	121.983	W	6				12	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=2.7*10**13 Nm (BRK).
	12	09	54	58.3	40.816	N	28.878	E	10	G	4.8 4.6	1.3	183	TURKEY. ML 5.0 (ATH). MD 4.7 (THE), 4.5 (ISK). A few people injured slightly and minor damage in the Istanbul area. Felt at Balikesir, Bursa and Kutahya.
	12	10	53	50.8?	22.43	S	114.67	W	10	G	4.4	1.0	11	EASTER ISLAND REGION
	12	11	27	05.9*	37.191	N	21.572	E	10	G		1.0	8	SOUTHERN GREECE. MD 3.4 (ATH).
a	12	11	31	04.0	32.015	S	179.750	E	365	D	5.3	1.2	176	SOUTH OF KERMADEC ISLANDS
	12	11	55	09.3?	43.08	N	0.55	W	10	G		0.1	4	PYRENEES. MD 1.0 (STR).
	12	12	15	55.6	36.277	N	5.696	W	10	G		1.0	17	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
	12	12	25	51.3?	42.40	N	24.14	E	10	G		0.8	7	BULGARIA
	12	12	40	32.1*	37.561	N	20.578	E	10	G	3.8	1.3	21	IONIAN SEA. ML 4.1 (TIR), 4.0 (THE).
	12	12	45	28.5	51.431	N	173.458	W	33	N	5.0 4.0	0.9	90	ANDREANOF ISLANDS, ALEUTIAN IS.
	12	12	47	51.0	13.188	N	93.278	E	33	N		0.7	10	ANDAMAN ISLANDS REGION
	12	12	59	17.3*	37.935	N	20.714	E	10	G		1.6	8	IONIAN SEA. MD 3.4 (ATH).
	12	13	01	00.2	29.670	N	96.908	E	17	D	4.9	1.1	51	INDIA-CHINA BORDER REGION. ML 4.7 (BJI).

	12	13 01	26.4?	38.89	N	27.95	E	10	G			0.4	4	TURKEY
	12	13 27	33.6	44.795	N	111.109	W	5	G			0.5	10	HEBGEN LAKE REGION. ML 3.1 (BUT).
	12	13 36	40.1?	23.16	S	114.85	W	10	G	4.8	4.3	1.2	29	EASTER ISLAND REGION
	12	13 45	08.6%	43.639	N	12.157	E	10	G			0.3	5	CENTRAL ITALY
	12	13 48	36.0	44.795	N	111.110	W	5	G			0.5	11	HEBGEN LAKE REGION. ML 3.1 (BUT).
	12	14 02	56.3*	30.614	N	79.288	E	33	N	4.1	3.6	1.2	10	TIBET-INDIA BORDER REGION. ML 3.7 (NDI).
	12	14 16	33.4	37.721	N	29.060	E	10	G			1.3	6	TURKEY. MD 3.2 (ISK).
	12	14 34	04.8&	36.928	N	121.682	W	13					17	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt in the Watsonville area.
	12	15 18	31.9?	38.45	S	93.91	W	10	G	4.8		1.3	10	WEST CHILE RISE
	12	15 30	47.2*	24.206	N	123.729	E	33	N	4.5		1.4	29	SOUTHWESTERN RYUKYU ISLANDS
	12	15 52	25.4?	23.36	S	115.53	W	10	G	4.7		1.3	14	EASTER ISLAND CORDILLERA
	12	16 44	27.1*	34.250	N	26.370	E	10	G			1.6	7	CRETE. MD 3.5 (ATH).
	12	18 21	16.3?	15.86	N	98.21	W	33	N			1.0	9	OFF COAST OF GUERRERO, MEXICO. Felt in Oaxaca.
	12	18 56	59.7?	9.47	S	70.61	W	396	?	4.4		1.2	12	PERU-BRAZIL BORDER REGION
	12	19 18	00.7?	22.82	S	114.97	W	10	G	4.7		1.4	10	EASTER ISLAND REGION
	12	19 20	15.3	36.390	N	28.129	E	10	G			1.5	7	DODECANESE ISLANDS. MD 3.7 (ATH).
	12	19 23	43.5&	37.570	N	118.851	W	8					7	CALIFORNIA-NEVADA BORDER REGION. <GM>. MD 3.0 (GM).
	12	19 34	14.6*	6.016	S	131.597	E	33	N	4.5		1.4	12	TANIMBAR ISLANDS REGION
	12	19 48	57.2	43.417	N	5.491	E	10	G			1.1	17	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	12	21 40	06.3?	32.68	N	72.38	E	33	N	4.4		1.3	7	PAKISTAN
	12	21 42	29.6	21.280	S	169.964	E	77	D	5.1		1.3	78	LOYALTY ISLANDS REGION
	12	21 58	23.4&	58.696	N	142.377	W	10	G				11	GULF OF ALASKA. <AEIC>.
	12	22 06	48.4	0.471	N	124.497	E	131	D	5.1		1.1	33	MINAHASSA PENINSULA
	13	00 55	48.5*	29.405	S	71.400	W	141	?			1.3	10	NEAR COAST OF CENTRAL CHILE
	13	02 17	40.4*	19.087	S	168.483	E	91	*	4.5		0.6	10	VANUATU ISLANDS
	13	02 38	58.6*	5.647	S	153.956	E	33	N	5.0		0.5	10	NEW IRELAND REGION
	13	02 48	16.8%	43.064	N	12.967	E	10	G			1.0	7	CENTRAL ITALY
	13	03 54	43.6?	2.94	S	136.80	E	33	N	4.9		1.3	7	WEST IRIAN REGION
a	13	06 17	23.0*	44.361	S	79.529	W	10	G	5.2	4.8	1.5	37	OFF COAST OF SOUTHERN CHILE
	13	07 19	24.0?	33.15	S	72.10	W	10	G			0.9	6	OFF COAST OF CENTRAL CHILE
	13	08 13	23.7%	44.776	N	7.005	E	10	G			0.2	13	NORTHERN ITALY. ML 2.4 (GEN).
	13	08 24	18.1?	44.57	N	7.28	E	10	G			0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	13	09 44	01.5?	16.94	S	173.32	W	33	N	5.0		1.5	8	TONGA ISLANDS
	13	10 34	04.8	23.724	N	96.053	E	34	*	4.6		1.2	18	BURMA
	13	10 53	24.8*	29.591	N	141.406	E	33	N	4.3		1.3	11	SOUTH OF HONSHU, JAPAN
	13	11 24	56.4*	37.935	N	102.019	E	33	N	3.5		1.3	9	GANSU PROVINCE, CHINA. ML 4.1 (BJI).
	13	11 38	08.7?	43.33	N	12.37	E	10	G			0.5	4	CENTRAL ITALY
	13	11 40	49.2%	40.641	N	29.100	E	10	G			0.4	5	TURKEY. MD 2.9 (ISK).
	13	12 54	42.0	44.882	N	6.753	E	5	G			0.8	88	FRANCE. MD 3.6 (STR). ML 3.6 (LDG), 3.4 (GEN).
	13	12 56	49.8%	44.871	N	6.675	E	5	G			0.4	8	FRANCE. ML 1.8 (GEN).
	13	13 26	49.6?	35.26	N	22.18	E	10	G	4.1		1.3	12	MEDITERRANEAN SEA. MD 3.5 (ATH).
	13	14 03	45.0*	34.607	N	22.949	E	33	N	4.4		1.5	22	MEDITERRANEAN SEA. MD 3.9 (ATH).
a	13	14 54	14.4	22.082	S	179.556	W	615	D	5.3		1.1	94	SOUTH OF FIJI ISLANDS
	13	15 49	38.9	44.885	N	6.760	E	5	G			0.9	107	FRANCE. ML 3.8 (LDG), 3.7 (GEN). MD 3.6 (STR). Nine people killed by an avalanche which was triggered by the earthquake.
	13	16 28	19.7	29.727	N	96.888	E	33	N	4.7		1.5	36	INDIA-CHINA BORDER REGION. ML 4.2 (BJI).
	13	16 34	43.5%	23.153	N	121.808	E	10	G			1.3	7	TAIWAN
	13	16 44	52.0	9.909	S	159.076	E	22	D	5.5	4.6	1.0	106	SOLOMON ISLANDS
	13	17 31	27.9	37.439	N	21.992	E	10	G	3.5		1.3	29	SOUTHERN GREECE. ML 3.4 (ATH).
	13	18 49	18.1?	11.31	N	62.03	W	120	G			0.4	5	WINDWARD ISLANDS. MD 2.9 (TRN).
	13	19 28	03.5	38.115	N	22.876	E	10	G			0.7	19	GREECE. MD 3.3 (ATH).
	13	22 24	27.9*	20.705	S	68.675	W	120	*	4.1		1.1	7	CHILE-BOLIVIA BORDER REGION
a	14	01 01	00.4	32.984	S	179.340	W	33	N	5.4	5.3	1.1	139	SOUTH OF KERMADEC ISLANDS. Ms 5.6 (BRK). Mo=1.3*10**18 Nm (PPT).
	14	01 36	59.3*	28.869	N	51.379	E	33	N	4.4		1.3	12	SOUTHERN IRAN
	14	02 14	01.7*	36.563	N	70.813	E	33	N			1.0	8	HINDU KUSH REGION
	14	02 45	29.8%	40.127	N	29.271	E	10	G			0.2	7	TURKEY. MD 2.4 (ISK).
	14	02 56	04.0?	14.72	S	173.62	W	33	N	4.1		1.0	13	SAMOA ISLANDS REGION
	14	04 00	18.2%	43.175	N	13.092	E	10	G			0.8	7	CENTRAL ITALY
	14	04 05	48.7*	2.113	S	137.285	E	33	N	4.7		1.4	11	WEST IRIAN
	14	04 06	51.7%	59.814	N	6.466	E	10	G			0.9	9	SOUTHERN NORWAY. MD 2.5 (BER).
	14	04 39	41.1*	3.964	S	152.431	E	46	*	5.2		0.9	12	NEW IRELAND REGION. Felt (IV) at Rabaul.
	14	05 17	24.0&	29.700	N	113.800	W	10	G				14	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	14	05 24	16.0?	6.06	S	130.43	E	105	?	4.9		1.2	15	BANDA SEA
	14	06 14	21.5?	27.50	S	176.15	W	33	N	5.3		1.3	6	KERMADEC ISLANDS REGION
	14	07 09	42.0&	29.700	N	113.800	W	10	G				9	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	14	07 23	01.3	37.976	N	72.552	E	62	?	4.6		0.7	20	TAJIK SSR
	14	07 34	59.9	5.015	N	76.266	W	104		4.8		1.0	89	COLOMBIA. Felt at Cali and Cartago.
	14	07 37	01.3?	6.95	S	129.80	E	125	?	5.0		1.7	10	BANDA SEA
	14	07 38	43.0&	29.700	N	113.800	W	10	G				10	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	14	07 42	11.9	47.482	N	115.972	W	1	G			0.7	8	MONTANA. ML 2.5 (GS). Felt at Silverton, Idaho.
	14	07 56	41.4	4.683	N	75.997	W	112		4.5		1.0	28	COLOMBIA. Felt at Cali and Cartago.
	14	08 25	55.5	30.327	N	50.846	E	25	D	5.4	4.5	1.0	237	IRAN. Felt in the Gachsaran area.
	14	09 02	47.6?	17.14	N	61.46	W	10	G			0.1	6	LEEWARD ISLANDS. ML 3.3 (FDF).
	14	09 30	17.0&	29.700	N	113.800	W	10	G				15	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	14	09 54	38.0&	29.700	N	113.800	W	10	G				8	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	14	09 58	14.0?	29.68	N	113.77	W	10	G	4.6		1.6	15	GULF OF CALIFORNIA. ML 4.2 (GS).
	14	10 20	00.6&	44.374	N	129.563	W	7					46	OFF COAST OF OREGON. <SEA>.
	14	10 54	09.7&	48.926	N	128.811	W	10	G	3.9			47	VANCOUVER ISLAND REGION. <PGC>.
	14	12 10	43.8*	4.419	S	80.593	W	63	*	4.7		0.8	20	PERU-ECUADOR BORDER REGION
	14	13 36	11.2?	39.11	N	28.01	E	10	G			0.5	4	TURKEY
	14	13 51	39.4?	29.18	N	113.31	W	10	G	3.7		1.0	10	GULF OF CALIFORNIA. ML 3.7 (GS).
	14	16 19	15.9?	61.28	N	2.82	E	10	G			0.9	9	NORWEGIAN SEA. MD 2.3 (BER).
	14	16 20	26.0&	29.700	N	113.800	W	10	G				7	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
a	14	16 37	22.2	29.681	N	113.858	W	10	G	5.4	5.5	1.3	85	GULF OF CALIFORNIA
	14	16 58	14.7?	34.97	N	24.22	E	10	G			1.5	5	CRETE. MD 3.5 (ATH).
	14	17 01	41.3%	44.485	N	7.281	E	10	G			0.4	8	NORTHERN ITALY. ML 2.0 (GEN).
	14	17 28	42.0&	29.700	N	113.800	W	10	G				7	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	14	17 51	53.0&	29.700	N	113.800	W	10	G	3.5			15	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	14	18 06	32.1?	30.23	S	71.81	W	33	N			1.4	6	NEAR COAST OF CENTRAL CHILE
	14	18 19	13.4?	66.40	N	12.94	E	10	G			0.4	4	NORTHERN NORWAY. MD 2.7 (BER).

	14	19	00	42.0&	47.974	N	119.991	W	8				33	WASHINGTON. <SEA>. CL 3.1 (SEA). Felt at Chelan.
	14	19	11	34.2*	45.547	N	7.747	E	5	G		0.4	5	NORTHERN ITALY. ML 2.2 (LDG).
f	14	19	22	15.1	6.279	S	154.697	E	45	G	5.8 5.6	1.1	223	SOLOMON ISLANDS. Depth from broadband displacement seismograms.
	14	21	55	59.7	34.182	N	46.241	E	41	*	4.7	1.3	45	WESTERN IRAN
	14	21	59	22.0&	29.700	N	113.800	W	10	G			15	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	14	22	11	23.0&	29.700	N	113.800	W	10	G			10	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	14	22	53	48.0&	29.700	N	113.800	W	10	G			12	GULF OF CALIFORNIA. <SPEC>. ML 3.6 (GS). Held to mainshock location.
a	14	23	31	23.0	22.336	S	112.578	W	10	G	5.5 5.9	1.2	97	EASTER ISLAND REGION. Ms 6.0 (BRK). Mo=3.0*10**18 Nm (PPT).
	15	00	40	57.0&	29.700	N	113.800	W	10	G			10	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	15	00	55	33.0	4.210	N	124.235	E	32	D	5.5 4.9	1.1	77	CELEBES SEA
	15	00	55	41.0&	29.700	N	113.800	W	10	G			7	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	15	01	48	44.8	44.428	N	7.306	E	10	G		0.5	12	NORTHERN ITALY. ML 2.1 (LDG), 1.7 (GEN).
	15	02	55	33.4?	31.45	S	69.25	W	110	G		0.1	4	SAN JUAN PROVINCE, ARGENTINA
	15	04	16	00.2	37.184	N	22.913	E	33	N		1.1	13	SOUTHERN GREECE. MD 3.4 (ATH).
	15	04	36	20.3*	38.036	N	20.390	E	5	G		0.7	14	GREECE. MD 3.5 (ATH).
	15	04	46	57.9?	38.05	N	20.75	E	10	G		0.7	4	GREECE. MD 3.0 (ATH).
	15	04	56	03.0?	29.35	N	113.40	W	10	G	4.4	1.1	15	GULF OF CALIFORNIA
	15	04	57	29.3	37.779	N	20.949	E	25			0.9	16	IONIAN SEA. ML 3.5 (ATH).
	15	05	17	33.8	42.398	N	19.825	E	10	G		0.7	11	YUGOSLAVIA. ML 2.6 (TTG).
	15	05	24	24.7?	23.65	S	114.30	W	10	G	4.6	0.1	8	EASTER ISLAND REGION
	15	07	09	22.2&	42.817	N	111.294	W	3				22	EASTERN IDAHO. <SLC-P>. ML 3.5 (GS).
	15	07	25	17.8*	2.102	N	128.170	E	33	N	5.1	0.9	26	HALMAHERA
	15	07	35	55.9&	59.311	N	153.245	W	88		2.7		67	SOUTHERN ALASKA. <AEIC>.
	15	08	04	26.1?	28.56	S	178.29	W	190	*	4.8	0.6	28	KERMADEC ISLANDS REGION
	15	08	16	49.0?	31.44	S	68.57	W	90	G		0.3	4	SAN JUAN PROVINCE, ARGENTINA
	15	09	07	24.7	43.401	N	5.454	E	10	G		0.5	14	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	15	10	12	17.2	44.269	N	7.459	E	5	G		0.4	12	NORTHERN ITALY. ML 1.9 (GEN).
	15	10	17	05.6	41.047	N	22.462	E	10	G		0.4	7	YUGOSLAVIA. ML 1.9 (SKO).
	15	10	37	23.5	19.140	S	63.909	W	609		4.4	1.2	35	SOUTHERN BOLIVIA
a	15	10	48	11.5	42.097	S	171.654	E	31		5.5 5.2	1.5	124	SOUTH ISLAND, NEW ZEALAND. ML 5.8 (WEL). Felt at Greymouth, Hokitiko and Wellington.
	15	11	24	08.8	29.453	N	113.644	W	10	G	4.8	1.4	35	GULF OF CALIFORNIA. ML 4.5 (GS).
	15	11	27	11.3*	4.182	S	143.724	E	33	N	5.1	1.3	20	PAPUA NEW GUINEA
	15	11	46	37.2%	40.968	N	28.626	E	10	G		0.8	6	TURKEY. MD 2.8 (ISK).
	15	11	54	56.4	41.105	N	20.209	E	10	G		1.3	9	ALBANIA. ML 2.8 (TIR), 2.8 (SKO).
	15	12	04	36.5?	62.25	N	7.20	E	10	G		1.0	4	SOUTHERN NORWAY. MD 2.5 (BER).
	15	12	32	24.1?	39.15	N	27.67	E	10	G		0.2	4	TURKEY. MD 2.6 (ISK).
	15	12	38	15.3	27.818	N	129.666	E	39	D	4.5	0.8	29	RYUKYU ISLANDS
	15	13	23	23.9	50.236	N	153.125	E	260	D	4.8	0.8	78	KURIL ISLANDS
	15	13	40	05.0*	9.021	S	110.382	E	33	N	4.7	1.3	9	SOUTH OF JAVA
	15	13	48	07.7*	5.883	N	78.033	W	33	N	4.6	1.7	20	SOUTH OF PANAMA
	15	14	13	32.0*	32.585	S	68.878	W	33	N		1.2	11	MENDOZA PROVINCE, ARGENTINA
	15	15	10	49.0&	29.700	N	113.800	W	10	G			10	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	15	16	48	25.8%	42.418	N	19.810	E	10	G		0.7	6	YUGOSLAVIA. ML 2.1 (TTG).
	15	17	15	39.7*	39.585	N	21.043	E	10	G	3.9	1.6	34	GREECE. ML 3.6 (TIR), 3.6 (ATH).
	15	19	17	41.7?	2.57	N	66.34	E	10	G	4.8	1.4	6	CARLSBERG RIDGE
	15	19	52	28.0&	29.700	N	113.800	W	10	G			8	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	15	19	55	34.1?	49.47	S	116.69	E	10	G	4.9	1.5	17	SOUTH OF AUSTRALIA
	15	20	07	11.8?	40.69	N	15.02	E	10	G		0.1	4	SOUTHERN ITALY
	15	20	38	17.0&	29.700	N	113.800	W	10	G			8	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	15	21	03	45.4?	54.45	N	160.59	E	33	N	4.5	1.2	14	NEAR EAST COAST OF KAMCHATKA
	15	21	17	59.1*	2.349	N	66.578	E	10	G	4.5	1.3	18	CARLSBERG RIDGE
	15	21	22	08.6&	59.909	N	152.458	W	77		3.0		11	SOUTHERN ALASKA. <AEIC>.
	15	21	56	04.0%	44.864	N	6.651	E	10	G		0.6	5	FRANCE. ML 1.7 (GEN).
	15	22	31	03.1	4.379	S	28.518	E	10	G	4.7	0.6	14	LAKE TANGANYIKA REGION. mbLg 4.9 (BUL).
	15	23	45	55.1?	2.42	N	66.67	E	10	G	4.3	0.8	5	CARLSBERG RIDGE
	15	23	58	08.0%	39.405	N	28.060	E	10	G		0.4	5	TURKEY. MD 2.8 (ISK).
	16	00	07	20.6*	8.914	S	158.946	E	33	N	4.1	0.7	6	SOLOMON ISLANDS
	16	00	09	44.0?	14.91	S	167.79	E	33	N	4.0 3.8	1.2	16	VANUATU ISLANDS
	16	00	19	50.6?	33.69	N	104.90	E	33	N		0.7	4	GANSU PROVINCE, CHINA. ML 3.8 (BJI).
	16	01	04	04.4&	43.138	N	127.464	W	6				38	OFF COAST OF OREGON. <SEA>.
	16	01	12	43.7	2.438	N	66.665	E	10	G	4.9	1.1	51	CARLSBERG RIDGE
f	16	01	23	40.4	48.268	N	154.328	E	39	G	6.3 5.7	0.9	558	KURIL ISLANDS. Ms 5.4 (BRK), 5.3 (PAS). Mo=1.6*10**18 Nm (PPT). Felt (II) at Severo-Kurilsk. Depth from broadband displacement seismograms.
	16	01	23	59.6*	40.360	N	26.192	E	10	G		1.7	7	TURKEY. MD 3.2 (ISK).
	16	01	30	36.8?	40.39	N	26.05	E	10	G		0.3	4	TURKEY. MD 2.7 (ISK).
	16	01	47	31.9?	48.08	N	154.53	E	33	N	4.3	0.6	11	KURIL ISLANDS
	16	01	59	40.2*	48.122	N	154.460	E	33	N	4.6	0.9	27	KURIL ISLANDS
	16	02	06	16.4*	25.799	S	179.029	W	400	G	4.7	1.4	14	SOUTH OF FIJI ISLANDS
	16	02	15	14.4*	49.447	S	116.838	E	22	D	5.0 5.1	1.1	50	SOUTH OF AUSTRALIA
	16	03	11	38.3?	3.87	S	130.21	E	33	N	4.2	1.3	6	CERAM
	16	03	26	42.4*	31.281	S	68.790	W	100	G		0.3	6	SAN JUAN PROVINCE, ARGENTINA
a	16	03	34	32.6	1.863	N	128.152	E	134	D	5.6	0.9	119	HALMAHERA
	16	04	31	24.0&	29.700	N	113.800	W	10	G			6	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	16	05	44	27.9?	40.64	N	30.46	E	5	G		0.5	4	TURKEY. MD 2.7 (ISK).
	16	06	06	01.3	29.430	N	114.005	W	10	G	4.6	1.1	33	BAJA CALIFORNIA
	16	06	38	03.3?	15.24	N	60.94	W	33	N		1.5	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	16	07	49	48.7&	40.338	N	127.555	W	5		3.8		14	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK).
	16	07	55	59.9	18.483	S	177.914	W	578		5.2	1.1	60	FIJI ISLANDS REGION
	16	09	14	30.2?	2.41	N	66.62	E	10	G	4.8	1.3	5	CARLSBERG RIDGE
	16	09	54	24.5&	58.687	N	155.183	W	133				71	ALASKA PENINSULA. <AEIC>.
	16	10	04	57.5*	13.698	N	120.645	E	33	N	4.7	0.4	9	MINDORO, PHILIPPINE ISLANDS
	16	11	25	34.0&	29.700	N	113.800	W	10	G			17	GULF OF CALIFORNIA. <SPEC>. ML 3.9 (GS). Held to mainshock location.
	16	11	59	18.1%	27.907	N	17.775	W	10	G		1.0	5	CANARY ISLANDS REGION. MD 3.6 (MDD).
	16	12	18	15.0&	29.700	N	113.800	W	10	G			9	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	16	13	17	22.6%	42.438	N	19.811	E	10	G		0.5	6	YUGOSLAVIA. ML 1.8 (TTG).
	16	13	29	34.1?	29.57	N	113.90	W	10	G	4.2	1.3	19	GULF OF CALIFORNIA
	16	15	10	46.0&	29.700	N	113.800	W	10	G			9	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.

	16	15	24	41.8*	5.503	S	128.956	E	304	?	4.7		0.8	13	BANDA SEA
	16	15	27	16.4%	40.472	N	23.755	E	5	G			0.8	6	GREECE. MD 2.0 (THE).
	16	16	17	01.8?	20.52	S	173.62	W	37	D	4.8		1.3	17	TONGA ISLANDS
	16	17	40	18.2*	31.959	S	69.476	W	120	G			0.3	6	SAN JUAN PROVINCE, ARGENTINA
	16	17	42	07.2*	14.397	N	60.207	W	32				0.4	11	WINDWARD ISLANDS. MD 3.0 (TRN). ML 2.9 (FDF).
	16	17	47	13.4&	62.711	N	148.716	W	54					59	CENTRAL ALASKA. <AEIC>.
	16	18	13	01.6	23.682	N	121.342	E	10	G	3.9		0.5	7	TAIWAN
	16	18	28	12.5%	43.108	N	0.568	W	5	G			0.2	6	PYRENEES. MD 1.0 (STR).
	16	19	02	09.5?	48.38	N	113.90	W	5	G			1.1	5	MONTANA. ML 3.0 (BUT).
	16	19	02	13.1	32.441	N	49.561	E	62	*	4.0		0.9	15	WESTERN IRAN
	16	19	18	22.5	23.670	N	121.350	E	10	G	3.9		0.3	8	TAIWAN
	16	19	34	22.7*	29.806	N	113.781	W	10	G	4.6		1.4	19	GULF OF CALIFORNIA
	16	19	38	13.8%	17.742	N	66.699	W	10	G			0.5	5	PUERTO RICO REGION
	16	20	26	37.9	50.519	N	177.430	W	49	D	4.8		0.9	80	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
	16	21	03	15.3?	29.48	N	114.06	W	10	G	4.8		1.2	11	BAJA CALIFORNIA. ML 4.2 (GS).
	16	22	15	30.6	36.964	N	28.667	E	17				1.0	17	DODECANESE ISLANDS. MD 3.9 (ATH), 3.8 (ISK).
	16	22	49	14.5?	39.21	N	22.80	E	10	G			0.4	4	GREECE. MD 2.2 (THE).
	16	23	35	40.7	42.435	N	19.749	E	5	G			0.9	9	YUGOSLAVIA. ML 2.2 (TTG).
	17	02	11	10.7&	61.279	N	150.673	W	42					35	SOUTHERN ALASKA. <AEIC>.
	17	03	19	17.1	2.642	N	96.118	E	24	D	5.4		1.2	44	NORTHERN SUMATERA
	17	04	07	26.9?	61.27	N	2.84	E	10	G			0.6	5	NORWEGIAN SEA. MD 2.2 (BER).
	17	04	37	36.9*	1.413	S	77.960	W	46	*	4.7		1.2	13	ECUADOR. MD 4.5 (QUI).
	17	06	37	03.3?	41.80	N	19.62	E	10	G			0.5	7	ALBANIA. ML 2.3 (TTG).
a	17	06	59	12.6	21.189	S	169.831	E	59	D	5.6		1.2	306	LOYALTY ISLANDS REGION. Ms 5.6 (BRK). Mo=1.0*10**18 Nm (PPT).
	17	07	00	36.5	33.465	N	72.026	E	33	N	4.6		1.0	14	PAKISTAN
	17	07	19	48.1	60.960	N	150.989	W	10	G			0.8	6	KENAI PENINSULA, ALASKA
	17	07	40	40.0%	43.847	N	12.031	E	10	G			0.6	5	CENTRAL ITALY
	17	08	31	55.7?	40.47	N	21.84	E	33	N			0.9	4	GREECE
	17	10	13	33.9*	8.066	S	129.564	E	33	N	5.0		1.2	29	TIMOR SEA
	17	11	17	42.7	39.833	N	77.683	E	17	D	5.0		1.3	47	SOUTHERN XINJIANG, CHINA
	17	12	29	47.2?	35.27	N	26.25	E	10	G			1.0	4	CRETE. MD 3.7 (ATH).
	17	13	03	13.2%	42.406	N	19.848	E	10	G			0.7	6	YUGOSLAVIA. MD 2.2 (TTG).
	17	13	51	20.9	35.696	N	27.432	E	39		3.9		1.4	35	DODECANESE ISLANDS. MD 4.0 (ATH), 3.9 (ISK).
	17	13	52	23.4?	24.43	N	123.22	E	33	N			0.4	6	SOUTHWESTERN RYUKYU ISLANDS
	17	14	05	45.9*	16.222	N	94.957	W	33	N	3.7		1.3	9	OAXACA, MEXICO
	17	14	20	44.9&	59.180	N	152.535	W	66					37	SOUTHERN ALASKA. <AEIC>.
	17	14	28	24.9?	52.64	S	140.13	E	10	G	4.5		1.0	8	WEST OF MACQUARIE ISLAND
	17	16	21	26.9%	44.622	N	6.774	E	5	G			0.3	8	FRANCE. ML 1.8 (GEN).
	17	17	08	23.5%	0.156	S	78.567	W	10	G			1.1	5	ECUADOR. Felt (IV) at Quito. Also felt at Ambato.
	17	17	55	51.2?	29.69	N	113.21	W	10	G	3.9		1.2	10	GULF OF CALIFORNIA
	17	18	41	37.9*	51.602	N	7.528	E	10	G			0.3	6	GERMANY. ML 2.1 (BNS).
	17	19	02	06.4*	31.685	N	132.101	E	33	N	4.1		1.2	19	SOUTHEAST OF SHIKOKU, JAPAN
	17	19	20	12.0*	23.801	N	122.452	E	33	N	3.9		0.5	5	TAIWAN REGION
	17	20	04	40.2	46.654	N	7.794	E	10	G			0.9	25	SWITZERLAND. MD 2.7 (STR). ML 2.7 (LDG).
	17	20	33	52.7*	56.353	N	162.547	E	33	N	4.5		0.6	14	NEAR EAST COAST OF KAMCHATKA
	17	20	47	13.9?	60.99	N	166.82	E	33	N	3.9		1.0	6	EASTERN SIBERIA
	17	21	13	52.8	39.644	N	20.341	E	10	G	3.9		1.2	64	GREECE-ALBANIA BORDER REGION. ML 3.8 (ATH), 3.5 (TIR). MD 3.5 (THE).
	17	21	49	12.6	41.235	N	25.404	E	10	G			1.2	34	GREECE-BULGARIA BORDER REGION. MD 3.6 (THE), 3.4 (ATH).
	17	21	58	01.2?	52.14	N	167.82	W	33	N	4.4		1.4	15	FOX ISLANDS, ALEUTIAN ISLANDS
	17	23	00	55.2%	40.805	N	21.595	E	5	G			0.2	5	GREECE. MD 1.9 (THE).
	17	23	05	23.1*	31.233	S	71.993	W	59	?	4.8		1.3	13	NEAR COAST OF CENTRAL CHILE
	17	23	21	27.9&	61.373	N	149.613	W	36					39	SOUTHERN ALASKA. <AEIC>.
	18	00	14	21.0&	29.700	N	113.800	W	10	G	3.8			15	GULF OF CALIFORNIA. <SPEC>. Held to mainshock location.
	18	01	55	17.5?	20.52	S	69.14	W	160	?			0.5	8	NORTHERN CHILE
	18	01	59	19.6	17.324	N	121.313	E	33	N	4.8	4.2	1.3	40	LUZON, PHILIPPINE ISLANDS
	18	02	35	39.2&	40.605	N	124.418	W	23					16	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK). Felt (II) at Rio Dell.
f	18	02	37	25.1	8.870	N	126.480	E	24	G	6.0	6.6	1.3	319	MINDANAO, PHILIPPINE ISLANDS. Ms 6.6 (BRK), 6.1 (PAS). Mo=2.0*10**19 Nm (PPT). Felt (III RF) at Cagayan de Oro, Bislig and on Mactan and (I RF) at Cotabato. Depth from broadband displacement seismograms.
	18	02	48	06.4*	38.380	N	20.292	E	10	G			1.1	13	GREECE. MD 3.6 (ATH).
	18	02	52	45.9?	8.98	N	126.51	E	33	N	5.0		0.9	17	MINDANAO, PHILIPPINE ISLANDS
	18	02	59	42.5*	23.765	N	121.660	E	10	G			1.4	5	TAIWAN
	18	04	46	19.9	8.914	N	126.630	E	18	D	5.2	4.9	1.1	56	MINDANAO, PHILIPPINE ISLANDS
	18	04	49	27.8?	38.45	N	30.19	E	10	G			1.0	4	TURKEY. MD 2.8 (ISK).
	18	05	37	39.1%	39.497	N	27.122	E	10	G			0.0	5	TURKEY. MD 2.9 (ISK).
	18	05	46	45.0*	18.702	S	176.423	E	33	N	4.7		1.2	36	FIJI ISLANDS REGION. MD 4.8 (SVA).
	18	05	52	11.1%	43.423	N	5.471	E	10	G			0.6	8	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	18	05	55	50.7	15.416	N	91.753	W	188	D	4.6		1.3	129	MEXICO-GUATEMALA BORDER REGION
	18	06	03	12.2*	8.933	N	126.552	E	33	N	4.8	4.2	1.2	28	MINDANAO, PHILIPPINE ISLANDS
	18	06	22	45.3*	8.808	N	126.544	E	33	N	4.5		0.9	9	MINDANAO, PHILIPPINE ISLANDS
	18	06	27	46.9?	42.22	N	13.31	E	10	G			0.2	4	CENTRAL ITALY
	18	06	55	33.2	39.094	N	22.275	E	78	*			0.5	16	GREECE. MD 2.9 (ATH), 2.5 (THE).
	18	08	01	03.2	42.118	N	15.850	E	24				0.9	8	ADRIATIC SEA
	18	08	15	36.3*	8.844	N	126.611	E	33	N	4.5		1.0	8	MINDANAO, PHILIPPINE ISLANDS
	18	09	06	22.4	31.645	N	102.534	E	21	D	4.8		1.4	62	SICHUAN PROVINCE, CHINA. ML 5.3 (BJI).
	18	09	45	45.1?	40.33	N	25.81	E	10	G			0.2	4	AEGEAN SEA. MD 2.9 (ATH).
	18	09	49	47.5?	16.99	N	100.50	W	33	N			1.6	5	NEAR COAST OF GUERRERO, MEXICO
	18	10	10	32.0*	18.569	S	176.415	E	27	D	5.1	4.4	1.1	24	FIJI ISLANDS REGION. Mo=8.0*10**16 Nm (PPT).
	18	11	13	42.7?	59.90	N	165.88	E	33	N	4.7		1.7	8	EASTERN SIBERIA
	18	11	17	49.7*	1.174	N	123.203	E	33	N	4.4		0.5	11	MINAHASSA PENINSULA
	18	12	51	21.7*	30.973	N	113.258	W	10	G	4.2		1.2	14	GULF OF CALIFORNIA
	18	12	55	47.2	43.420	N	5.442	E	10	G			0.6	14	NEAR SOUTH COAST OF FRANCE. MD 2.8 (STR).
	18	13	12	40.7%	40.333	N	24.320	E	10	G			0.8	8	AEGEAN SEA. MD 2.2 (THE).
	18	13	47	43.5?	18.38	S	176.25	E	33	N	5.2	4.9	1.7	20	FIJI ISLANDS REGION. Mo=1.0*10**17 Nm (PPT).
	18	14	07	52.2	8.843	N	126.644	E	33	N	5.2	4.6	1.3	57	MINDANAO, PHILIPPINE ISLANDS
	18	14	13	30.2?	39.15	N	27.55	E	10	G			0.1	4	TURKEY. MD 2.7 (ISK).
	18	15	31	38.7	39.257	N	27.710	E	10	G			0.7	13	TURKEY. MD 3.1 (ISK).
	18	15	55	35.4%	40.023	N	28.774	E	10	G			0.5	5	TURKEY. MD 2.4 (ISK).
	18	16	09	55.9%	40.566	N	23.967	E	5	G			0.5	8	GREECE. MD 2.3 (THE).

	18	16 11 12.1	37.870	N	26.902	E	5	G			0.9	13	DODECANESE ISLANDS. MD 3.5 (ATH), 3.5 (ISK).
a	18	16 15 06.5	19.028	S	168.493	E	40	D	5.7	5.2	1.2	189	VANUATU ISLANDS. Mo=3.0•10••17 Nm (PPT).
	18	16 19 56.4?	2.86	N	66.41	E	10	G	5.1		1.0	11	CARLSBERG RIDGE
	18	16 22 29.2	41.042	N	22.388	E	5	G			0.3	7	YUGOSLAVIA. ML 2.1 (SKO). MD 1.9 (THE).
	18	16 59 05.9	37.919	N	26.855	E	5	G			0.4	9	DODECANESE ISLANDS. MD 3.2 (ISK).
	18	17 26 26.9%	39.394	N	28.668	E	10	G			0.4	9	TURKEY. MD 3.0 (ISK).
	18	18 56 20.7%	39.557	N	28.875	E	10	G			0.3	5	TURKEY. MD 2.6 (ISK).
	18	19 08 47.0%	39.525	N	28.813	E	10	G			0.3	8	TURKEY. MD 2.8 (ISK).
	18	19 40 16.4%	39.567	N	28.793	E	10	G			0.5	9	TURKEY. MD 2.9 (ISK).
	18	20 28 29.7	39.003	N	25.892	E	10	G			0.6	11	AEGEAN SEA. MD 3.4 (ISK).
	18	20 49 03.4%	42.430	N	19.802	E	10	G			0.5	9	YUGOSLAVIA. ML 1.9 (TTG).
	18	20 54 17.5%	38.889	N	29.066	E	10	G			0.9	5	TURKEY. MD 2.8 (ISK).
	18	22 02 14.5&	56.749	N	155.487	W	0		2.8			24	ALASKA PENINSULA. <AEIC>.
	18	22 40 33.2?	21.09	N	145.04	E	33	N	4.7		1.1	12	MARIANA ISLANDS REGION
	18	22 51 45.4	11.865	N	57.701	E	10	G	4.8	4.4	1.1	58	ARABIAN SEA
	18	22 56 59.3%	45.592	N	6.373	E	10	G			1.4	6	FRANCE. ML 2.2 (LDG).
	18	23 25 30.0?	36.13	N	15.17	E	10	G			0.4	7	SICILY
	18	23 33 08.6	51.695	N	174.112	E	33	N	4.8	4.2	1.0	75	NEAR ISLANDS, ALEUTIAN ISLANDS
	18	23 33 34.7•	8.654	N	126.729	E	34	D	4.7		1.0	13	MINDANAO, PHILIPPINE ISLANDS
	18	23 38 54.6?	8.71	N	126.90	E	33	N	4.8		1.5	7	MINDANAO, PHILIPPINE ISLANDS
	19	00 44 50.9•	38.008	N	20.791	E	24		3.8		1.5	18	GREECE. ML 3.6 (ATH).
	19	01 06 14.5	44.439	N	9.854	E	10	G			0.9	10	NORTHERN ITALY. ML 2.6 (LDG).
	19	01 15 12.5	43.216	N	0.619	W	10	G			0.9	15	PYRENEES. ML 2.5 (LDG).
	19	01 55 24.1	32.358	S	178.566	W	33	N	5.3		1.3	52	SOUTH OF KERMADEC ISLANDS
	19	03 12 13.2	43.837	N	8.049	E	5	G			0.6	13	CORSICA. ML 2.3 (GEN).
	19	03 47 28.8&	39.325	N	119.445	W	1					10	NEVADA. <BRK>. ML 3.0 (BRK).
	19	04 46 52.3%	38.997	N	30.202	E	10	G			0.9	5	TURKEY
	19	04 53 25.0•	39.353	N	20.445	E	10	G			1.6	15	GREECE-ALBANIA BORDER REGION
	19	06 14 37.5	40.760	N	15.277	E	10	G			1.4	11	SOUTHERN ITALY
	19	06 55 12.4?	40.72	N	21.54	E	33	N			0.8	4	GREECE
	19	08 12 10.8	3.833	N	95.499	E	49	•	4.9	4.1	0.9	76	OFF W COAST OF NORTHERN SUMATERA
	19	08 12 18.3%	42.815	N	7.233	W	10	G			0.2	5	SPAIN. mbLg 2.6 (MDD).
	19	08 18 42.7?	42.92	N	12.91	E	10	G			1.5	4	CENTRAL ITALY
	19	08 19 20.8&	60.959	N	150.941	W	8		4.4			92	KENAI PENINSULA, ALASKA. <AEIC>. ML 4.3 (PMR). Felt (IV) at Anchorage and Hope, (III) at Sterling and (II) at Palmer.
	19	08 40 47.1•	40.719	N	15.248	E	10	G			1.5	8	SOUTHERN ITALY
	19	10 49 22.5	26.057	N	127.453	E	29		5.1	4.4	1.1	74	RYUKYU ISLANDS. Felt (III JMA) at Naha and (I JMA) at Nago and on Kume-shima.
	19	10 55 46.4%	39.215	N	23.528	E	10	G			0.6	8	AEGEAN SEA. MD 2.6 (THE).
	19	12 27 58.5	47.469	N	7.269	E	10	G			1.2	15	SWITZERLAND. ML 2.7 (LDG). MD 2.1 (STR).
a	19	13 16 29.9	1.562	N	127.093	E	130	D	5.6		1.0	131	HALMAHERA
	19	14 00 07.3	39.408	N	20.788	E	10	G			0.8	29	GREECE-ALBANIA BORDER REGION. ML 3.5 (ATH). MD 3.2 (THE).
	19	14 06 54.8•	2.062	S	138.666	E	33	N	5.0		1.2	26	WEST IRIAN
	19	14 29 23.1%	39.503	N	28.319	E	10	G			0.7	15	TURKEY. MD 3.3 (ISK).
	19	15 03 53.6?	38.56	N	31.20	E	10	G			0.6	6	TURKEY. MD 3.2 (ISK).
	19	15 05 20.7•	23.855	N	121.676	E	10	G	3.8		1.5	8	TAIWAN
	19	15 17 17.4	44.453	N	7.380	E	10	G			1.0	54	NORTHERN ITALY. ML 3.2 (LDG), 3.1 (GEN). MD 2.5 (STR).
	19	15 33 03.2	44.047	N	7.660	E	11				0.6	39	NORTHERN ITALY. ML 3.2 (LDG), 2.9 (GEN). MD 2.5 (STR).
	19	15 33 57.1%	44.038	N	7.799	E	10	G			0.4	9	NORTHERN ITALY. ML 2.7 (LDG).
	19	15 36 03.7?	33.36	S	72.03	W	33	N			1.0	6	OFF COAST OF CENTRAL CHILE
	19	15 38 31.9%	44.243	N	8.412	E	10	G			0.4	7	NORTHERN ITALY. ML 2.2 (GEN).
a	19	15 50 07.2	9.173	N	126.453	E	69	D	5.4		1.3	87	MINDANAO, PHILIPPINE ISLANDS
	19	16 05 11.9	38.423	N	20.605	E	10	G			1.3	34	GREECE. ML 3.4 (ATH). MD 3.4 (THE).
	19	16 28 16.3?	44.40	N	7.28	E	5	G			0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
	19	16 32 16.3%	39.367	N	20.792	E	5	G			1.0	7	GREECE-ALBANIA BORDER REGION. MD 2.3 (THE).
	19	17 30 27.9?	31.35	S	68.16	W	10	G			1.1	8	SAN JUAN PROVINCE, ARGENTINA
	19	18 23 33.8&	60.954	N	150.929	W	9		3.4			71	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (PMR). Felt (II) at Kenai.
	19	18 41 05.6?	16.48	N	94.94	W	33	N			1.0	4	OAXACA, MEXICO
	19	18 59 58.7?	47.78	N	2.00	W	10	G			0.5	5	FRANCE. ML 2.3 (LDG).
	19	19 32 00.3	37.553	N	20.904	E	14	O	4.8		1.4	150	IONIAN SEA. ML 5.0 (ROM), 4.5 (ATH). MD 4.4 (THE).
	19	20 01 41.6•	38.136	N	20.268	E	10	G			1.3	7	GREECE. MD 3.3 (ATH).
	19	20 12 25.9%	44.348	N	9.385	E	10	G			0.7	5	NORTHERN ITALY
	19	20 50 13.3%	44.430	N	7.316	E	10	G			0.0	5	NORTHERN ITALY. ML 1.6 (GEN).
	19	21 00 47.0	43.395	N	5.443	E	10	G			0.7	21	NEAR SOUTH COAST OF FRANCE. ML 2.9 (STR).
	19	21 31 05.5?	38.17	N	20.11	E	14				1.5	14	GREECE. MD 3.2 (ATH), 3.2 (THE).
	19	21 50 36.5	8.980	N	126.594	E	34	D	4.9	4.4	0.9	41	MINDANAO, PHILIPPINE ISLANDS
	19	22 14 35.7?	47.56	N	7.04	E	10	G			0.3	4	SWITZERLAND. ML 1.8 (LDG).
	19	22 39 35.6	14.411	N	60.603	W	22				0.5	12	WINDWARD ISLANDS. ML 3.2 (FDF). MD 2.8 (TRN).
	19	23 04 56.7&	49.696	N	122.725	W	5		4.3			80	BRITISH COLUMBIA. <PGC>. ML 3.9 (PGC), 4.3 (SEA). Felt (V) in the north shore area of Vancouver. Also felt (V) at Squamish and along Howe Sound. Felt (IV) at Whistler; (III) in much of the greater Vancouver area and on the Gulf Islands as well as southern Vancouver Island; (II) at Agassiz, Delta and Huntington.
	19	23 46 36.7•	38.855	N	75.283	E	33	N	4.6		1.4	16	SOUTHERN XINJIANG, CHINA
	20	00 00 56.5%	37.825	N	15.038	E	10	G			1.6	6	SICILY
	20	00 21 25.0	39.515	N	21.053	E	5	G			1.5	14	GREECE. MD 3.0 (ATH), 2.8 (THE).
	20	00 41 36.0?	14.44	N	60.79	W	50	G			0.2	4	WINDWARD ISLANDS
	20	00 56 55.7•	29.874	N	113.592	W	10	G	4.6		1.2	19	GULF OF CALIFORNIA
	20	02 01 23.2•	38.275	N	143.689	E	33	•	4.3		1.3	9	OFF EAST COAST OF HONSHU, JAPAN
	20	02 13 55.5	44.923	N	6.777	E	10	G			1.0	14	FRANCE. ML 2.4 (LDG), 2.3 (GEN).
	20	04 13 29.0&	38.525	N	118.277	W	4					10	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).
	20	04 16 16.8•	19.441	N	64.949	W	10	G	4.4		1.1	14	VIRGIN ISLANDS
	20	04 31 10.5	45.839	N	7.135	E	10	G			0.5	25	NORTHERN ITALY. MD 2.8 (STR). ML 2.8 (LDG), 2.5 (GEN).
	20	04 46 37.0•	60.736	N	167.118	E	33	N	4.5		0.9	26	EASTERN SIBERIA
a	20	04 48 07.0	22.626	S	113.022	W	10	G	5.6	5.7	1.1	133	EASTER ISLAND REGION. Ms 5.6 (PAS), 5.5 (BRK). Mo=5.0•10••17 Nm (PPT).
	20	05 23 05.5	39.381	N	20.816	E	10	G			0.8	12	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH), 2.9 (THE).
	20	05 34 12.3	39.420	N	20.677	E	10	G			1.2	45	GREECE-ALBANIA BORDER REGION. ML 3.5 (ATH). MD 3.3 (THE).

	20	05	49	24.3	8.575	S	108.565	E	33	N	5.1		1.3	39	JAVA
	20	06	39	17.1	41.113	N	22.408	E	5	G			0.8	9	YUGOSLAVIA. MD 2.0 (THE). ML 1.4 (SKO).
	20	07	15	17.4*	13.116	S	72.311	W	33	N	3.9		1.5	8	PERU
	20	07	24	05.0&	60.085	N	141.337	W	7					15	SOUTHEASTERN ALASKA. <AEIC>.
	20	07	25	29.2*	17.856	S	178.596	W	592		4.7		0.7	26	FIJI ISLANDS REGION
	20	07	38	08.1	45.831	N	26.740	E	120	*			0.4	11	ROMANIA
	20	07	38	42.0?	0.98	S	80.73	W	33	N	3.6		1.0	8	NEAR COAST OF ECUADOR
	20	08	03	46.7%	43.996	N	11.502	E	10	G			0.9	8	CENTRAL ITALY. MD 2.7 (ROM).
	20	09	18	31.7	40.427	N	21.837	E	10	G			0.7	8	GREECE. MD 2.7 (THE).
	20	09	28	11.2%	40.419	N	23.319	E	5	G			0.5	6	GREECE. MD 1.6 (THE).
	20	10	17	21.0	47.992	N	7.534	E	10	G			0.7	9	SWITZERLAND. ML 2.8 (LDG).
	20	10	38	35.3&	60.952	N	150.893	W	11		2.6			43	KENAI PENINSULA, ALASKA. <AEIC>.
	20	11	42	34.1	49.121	N	6.841	E	10	G			0.9	10	GERMANY. MD 2.5 (STR).
a	20	11	43	25.7	9.047	N	126.551	E	38	O	5.4	4.9	1.2	97	MINDANAO, PHILIPPINE ISLANDS
	20	11	52	18.7*	9.155	N	126.446	E	39	D	4.8		1.0	16	MINDANAO, PHILIPPINE ISLANDS
	20	12	04	20.9?	36.93	N	29.52	E	33	N			0.2	4	TURKEY. MD 3.2 (ISK).
	20	12	07	53.1?	35.51	N	27.19	E	33	N			0.9	4	DODECANESE ISLANDS. MD 3.8 (ATH).
	20	12	26	18.0?	33.48	N	83.32	E	33	N			1.6	6	TIBET. MD 3.5 (NDI).
	20	12	26	42.7*	8.791	N	126.715	E	38	D	5.1	4.5	1.6	43	MINDANAO, PHILIPPINE ISLANDS
	20	13	05	24.4*	37.586	N	17.435	W	10	G	3.6		0.9	13	NORTH ATLANTIC OCEAN. mbLg 3.8 (MDD).
	20	13	34	44.8&	61.410	N	149.577	W	35					50	SOUTHERN ALASKA. <AEIC>.
	20	13	53	30.6	44.394	N	12.009	E	10	G			1.1	40	NORTHERN ITALY. ML 3.8 (KBA), 3.8 (ZAG), 3.2 (LDG). MD 3.6 (TRI), 3.3 (ROM).
	20	14	08	06.8*	9.061	N	126.660	E	26	D	5.2		1.1	23	MINDANAO, PHILIPPINE ISLANDS
	20	15	20	07.8?	17.82	N	98.63	W	33	N			0.1	4	GUERRERO, MEXICO
	20	16	43	15.0%	40.851	N	28.709	E	5	G			0.6	8	TURKEY. MD 2.9 (ISK).
	20	17	34	16.3?	40.88	N	28.74	E	5	G			0.0	4	TURKEY. MD 2.6 (ISK).
	20	18	40	00.9?	16.44	N	60.93	W	33	N			0.3	7	LEEWARD ISLANDS. ML 2.4 (FDF).
	20	18	44	18.3%	39.691	N	28.934	E	10	G			0.3	14	TURKEY. MD 3.2 (ISK).
	20	18	58	11.8%	44.152	N	11.996	E	33	N			1.1	6	NORTHERN ITALY
	20	20	02	24.4&	59.783	N	152.253	W	72					36	SOUTHERN ALASKA. <AEIC>.
	20	20	37	50.9	48.601	N	153.266	E	154	D	5.2		0.8	214	KURIL ISLANDS
	20	20	48	06.7	39.492	N	28.338	E	10	G			1.0	23	TURKEY. MD 3.5 (ISK), 3.5 (ATH).
	20	21	33	13.9*	38.096	N	20.673	E	10	G			1.5	12	GREECE. ML 3.6 (ATH).
a	20	21	46	22.5	4.659	S	143.256	E	91	D	5.7		0.8	163	PAPUA NEW GUINEA
	20	22	10	49.5	49.121	N	6.852	E	10	G			0.8	11	GERMANY. MD 2.7 (UCC), 2.6 (STR).
	20	22	48	53.1%	39.518	N	29.247	E	10	G			0.7	6	TURKEY. MD 2.8 (ISK).
	20	23	15	00.9	35.294	N	29.496	E	33	N			1.1	19	EASTERN MEDITERRANEAN SEA. MD 4.1 (ATH), 4.0 (ISK). ML 3.7 (CSS).
	20	23	17	04.2?	1.60	S	77.96	W	177	?	4.4		1.1	9	ECUADOR
	20	23	26	34.2?	30.04	N	113.61	W	10	G	4.4		1.4	10	GULF OF CALIFORNIA
	21	01	01	38.6*	46.498	N	13.472	E	10	G			1.0	5	AUSTRIA. ML 2.4 (KBA).
	21	01	44	17.1*	19.759	S	69.816	W	100	*	4.0		1.1	12	NORTHERN CHILE
	21	01	49	34.4*	37.993	N	100.438	E	33	N	4.5		1.5	12	QINGHAI PROVINCE, CHINA
	21	01	55	10.6	58.447	N	175.415	W	20	G	5.0	4.5	0.8	91	BERING SEA
	21	02	04	53.9?	3.71	S	140.17	E	33	N	5.2		1.4	10	WEST IRIAN
	21	02	25	28.4	37.927	N	26.755	E	10	G			1.4	13	DODECANESE ISLANDS. MD 3.6 (ATH), 3.5 (ISK).
	21	02	28	28.0%	39.855	N	28.039	E	10	G			0.3	5	TURKEY. MD 2.6 (ISK).
	21	02	30	48.7&	60.153	N	153.269	W	136					62	SOUTHERN ALASKA. <AEIC>.
f	21	02	35	34.0	58.427	N	175.450	W	20	G	6.2	6.5	1.0	472	BERING SEA. Ms 6.7 (BRK), 6.4 (PAS). Mo=3.0*10**19 Nm (PPT). Felt (IV) on St. Paul in the Pribilof Islands, Alaska. Felt (III) on Adak in the Andreanof Islands, Alaska. A small tsunami was generated with maximum wave heights (peak-to-trough) of 30 cm. at Dutch Harbor and 22 cm. at Adak. Believed to be the largest earthquake ever located in this area. Two events obaut 3.7 seconds apart. Depth from broadband displacement seismagrams, based on the first event.
	21	03	40	44.3?	58.43	N	175.69	W	20	G	3.6		1.1	10	BERING SEA
	21	04	02	46.0?	19.29	N	64.56	W	33	N	3.7		0.2	7	VIRGIN ISLANDS
	21	04	18	44.4*	58.201	N	175.065	W	20	G	4.1		1.4	14	BERING SEA
	21	04	27	10.0&	58.400	N	175.400	W	20	G	3.9			6	BERING SEA. <SPEC>. Held to mainshock location.
	21	04	29	56.4?	46.49	N	2.95	E	10	G			0.1	4	FRANCE. ML 3.0 (LDG).
	21	04	34	40.7	37.945	N	26.779	E	10	G			1.3	7	DODECANESE ISLANDS. MD 3.5 (ATH), 3.2 (ISK).
	21	05	13	18.6%	16.395	N	98.470	W	33	N			1.2	5	NEAR COAST OF GUERRERO, MEXICO
	21	05	27	54.0&	58.400	N	175.400	W	20	G	3.5			11	BERING SEA. <SPEC>. Held to mainshock location.
	21	06	05	10.5*	36.805	N	71.672	E	33	N	4.2		0.9	10	AFGHANISTAN-USSR BORDER REGION
	21	06	08	33.4	6.841	N	72.975	W	164	*	4.8		0.8	23	NORTHERN COLOMBIA
	21	06	36	13.2	38.347	N	26.632	E	10	G			0.9	9	AEGEAN SEA. MD 3.2 (ISK).
	21	06	49	47.9?	31.27	S	68.41	W	89	?			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	21	06	54	07.9*	37.779	S	71.037	W	112	*	4.8		0.9	27	S. CHILE-ARGENTINA BORDER REGION
	21	07	33	58.2&	36.840	N	121.593	W	6					16	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	21	07	44	20.1	12.024	N	60.151	W	44	*	4.3		0.8	26	WINDWARD ISLANDS. MD 4.4 (TRN).
	21	08	05	50.3%	17.984	N	101.063	W	33	N			1.3	5	NEAR COAST OF GUERRERO, MEXICO
	21	08	42	15.8&	61.724	N	149.640	W	37					63	SOUTHERN ALASKA. <AEIC>. ML 2.8 (PMR). Felt (II) at Palmer.
	21	08	52	55.1?	39.13	N	27.61	E	10	G			0.6	4	TURKEY. MD 2.7 (ISK).
	21	09	22	37.7?	39.19	N	27.71	E	10	G			0.7	4	TURKEY. MD 2.6 (ISK).
	21	09	36	28.5	43.441	N	5.473	E	12				0.7	17	NEAR SOUTH COAST OF FRANCE. MD 2.8 (STR).
	21	09	37	07.8?	36.19	N	29.47	E	10	G			1.5	4	TURKEY. MD 3.1 (ISK).
	21	10	05	19.7	40.419	N	21.791	E	10	G			1.1	9	GREECE. MD 3.5 (ATH).
	21	10	19	15.0&	58.400	N	175.400	W	20	G	3.4			6	BERING SEA. <SPEC>. Held to mainshock location.
	21	10	26	02.3?	39.12	N	27.49	E	10	G			0.1	4	TURKEY. MD 2.6 (ISK).
	21	10	35	27.4	6.975	N	126.429	E	132	?	5.1		0.9	33	MINDANAO, PHILIPPINE ISLANDS
	21	10	38	50.4*	9.481	S	117.414	E	33	N	5.0		1.3	17	SUMBAWA ISLAND REGION
	21	11	10	50.1	9.735	S	119.125	E	33	N	4.6		1.0	14	SUMBA ISLAND REGION
	21	11	17	41.0&	58.400	N	175.400	W	20	G	3.5			10	BERING SEA. <SPEC>. Held to mainshock location.
	21	11	23	45.6&	38.960	N	111.901	W	1		3.4			17	UTAH. <SLC-P>. ML 3.4 (SLC). Felt (IV) at Axtell, Redmond and Salina. Felt (III) at Aurora and Centerfield.
	21	12	26	14.3	49.136	N	6.947	E	10	G			1.1	12	GERMANY. MD 2.4 (STR).
	21	12	30	28.4%	44.283	N	7.403	E	10	G			0.5	8	NORTHERN ITALY. ML 2.0 (GEN).
	21	12	32	23.1%	43.110	N	0.680	W	10	G			0.3	5	PYRENEES. MD 2.0 (STR).

	21	12	49	29.9%	39.923	N	25.768	E	10	G			0.3	7	AEGEAN SEA. MD 3.2 (ISK).
	21	14	15	26.9?	37.27	N	3.03	W	10	G			0.2	4	SPAIN
	21	14	55	00.5*	34.977	N	34.073	E	33	N			1.5	6	CYPRUS. ML 3.8 (CSS). Felt (IV) at Dherinia.
	21	15	35	00.3&	63.611	N	148.004	W	4					36	CENTRAL ALASKA. <AEIC>.
	21	15	40	05.0%	44.577	N	7.449	E	10	G			0.7	10	NORTHERN ITALY. ML 1.9 (GEN).
	21	18	17	01.4?	1.07	N	126.79	E	33	N	5.1		1.3	7	MOLUCCA PASSAGE
	21	18	36	52.9	10.583	S	163.234	E	33	N	5.1	4.7	0.9	54	SOLOMON ISLANDS
	21	18	51	53.8*	49.125	N	150.889	E	318	?	4.6		0.9	32	NORTHWEST OF KURIL ISLANDS
	21	19	27	16.0?	52.57	N	168.11	W	33	N	4.7		1.3	17	FOX ISLANDS, ALEUTIAN ISLANDS
	21	20	52	55.6&	40.427	N	127.613	W	5		4.6			40	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.3 (BRK).
	21	20	53	26.2	43.461	N	5.499	E	13				0.8	18	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	21	21	06	48.2%	40.393	N	1.871	W	10	G			1.5	7	SPAIN. mbLg 2.6 (MDD).
	21	21	11	40.0?	36.56	S	47.88	E	10	G	4.7		1.0	12	ATLANTIC-INDIAN RISE
	21	21	42	15.6*	51.709	N	7.266	E	10	G			0.6	5	GERMANY. MD 2.3 (UCC). ML 2.1 (BNS).
	21	21	48	07.1	44.602	N	11.566	E	10	G			1.1	24	NORTHERN ITALY
	21	21	48	37.8	44.572	N	11.568	E	11				1.3	44	NORTHERN ITALY. ML 3.4 (KBA). MD 3.4 (TRI), 3.2 (FIR).
	21	21	59	02.8*	29.742	N	51.897	E	33	N	4.5		1.0	11	SOUTHERN IRAN
	21	23	37	31.8?	1.08	S	80.23	W	33	N			0.7	6	NEAR COAST OF ECUADOR
	22	00	58	01.0%	39.064	N	27.180	E	10	G			0.3	8	TURKEY. MD 2.9 (ISK).
	22	01	06	53.8	44.004	N	7.160	E	9				0.4	22	NORTHERN ITALY. ML 2.6 (LDG), 2.3 (GEN).
	22	01	10	17.0*	10.165	S	113.683	E	33	N	5.2		1.5	14	SOUTH OF JAVA
	22	01	20	32.9?	31.22	S	70.17	W	127	?			0.6	7	CHILE-ARGENTINA BORDER REGION
	22	04	11	57.2*	23.203	N	93.482	E	33	N			0.6	7	BURMA-INDIA BORDER REGION
	22	04	43	46.6*	41.285	N	25.305	E	10	G			1.4	6	GREECE-BULGARIA BORDER REGION. MD 2.7 (ATH), 2.6 (THE).
	22	04	45	25.4*	20.325	S	173.539	W	40	D	4.8		1.1	37	TONGA ISLANDS
	22	05	55	34.7%	40.491	N	28.953	E	10	G			0.2	5	TURKEY. MD 2.8 (ISK).
	22	07	08	48.1	37.708	N	29.188	E	10	G			0.9	11	TURKEY. MD 3.9 (ATH), 3.6 (ISK).
	22	07	59	22.8?	18.67	N	65.58	W	33	N			0.6	6	PUERTO RICO REGION
	22	08	15	39.8&	61.438	N	147.289	W	20					56	SOUTHERN ALASKA. <AEIC>.
	22	08	17	03.0*	17.011	N	91.211	W	33	N	3.6		1.1	9	MEXICO-GUATEMALA BORDER REGION
	22	08	20	30.2*	45.305	N	11.400	E	10	G			1.4	6	NORTHERN ITALY. ML 2.4 (KBA).
	22	08	59	44.4%	41.200	N	23.418	E	10	G			0.6	5	GREECE-BULGARIA BORDER REGION. MD 2.0 (THE).
	22	09	41	17.8&	61.133	N	150.261	W	34					51	SOUTHERN ALASKA. <AEIC>.
	22	11	26	14.5?	41.10	N	28.49	E	10	G			0.1	4	TURKEY. MD 2.4 (ISK).
	22	11	47	34.0%	42.227	N	13.832	E	5	G			1.0	6	CENTRAL ITALY
	22	12	27	31.0	37.292	N	138.438	E	10	G	4.7	4.0	0.9	50	NEAR WEST COAST OF HONSHU, JAPAN
	22	13	03	51.3	41.104	N	28.691	E	10	G			0.2	8	TURKEY. MD 2.8 (ISK).
	22	13	30	09.4&	61.542	N	152.061	W	118					62	SOUTHERN ALASKA. <AEIC>.
	22	13	35	32.9	43.451	N	5.568	E	10	G			0.9	14	NEAR SOUTH COAST OF FRANCE. ML 2.9 (LDG). MD 2.5 (STR).
	22	14	09	59.0	0.530	N	126.654	E	121	*	4.9		0.9	52	MOLUCCA PASSAGE
	22	15	51	33.7	10.675	S	163.151	E	33	N	5.1	4.9	1.1	35	SOLOMON ISLANDS
	22	16	19	04.1?	51.17	N	15.74	E	10	G			1.1	5	POLAND
	22	16	53	59.6	46.865	N	9.862	E	10	G			1.3	27	SWITZERLAND. ML 2.8 (FUR), 2.8 (KBA).
	22	17	36	19.1?	10.60	S	162.52	E	84	?	5.0		0.9	13	SOLOMON ISLANDS
	22	17	41	17.4*	10.676	S	163.282	E	34	?	4.9	4.6	1.0	17	SOLOMON ISLANDS
	22	18	39	11.3	6.556	S	74.838	W	142	D	5.2		0.9	182	PERU-BRAZIL BORDER REGION
	22	19	06	00.8?	54.07	N	160.17	E	33	N	4.5		1.2	9	NEAR EAST COAST OF KAMCHATKA
	22	19	22	18.5?	19.39	N	103.86	W	33	N			1.1	4	JALISCO, MEXICO
	22	19	58	50.3&	38.380	N	118.382	W	4					13	CALIFORNIA-NEVADA BORDER REGION. <GM>. MD 3.3 (GM). Small foreshock about 11 seconds earlier.
	22	20	14	28.3?	14.75	S	173.04	W	33	N	4.1		1.1	6	SAMOA ISLANDS REGION
	22	20	20	19.5?	39.04	N	26.06	E	10	G			0.4	6	TURKEY. MD 3.3 (ISK).
	22	20	34	23.5	44.586	N	9.255	E	10	G			0.8	28	NORTHERN ITALY. ML 2.6 (LDG), 2.5 (GEN).
	22	20	57	04.4&	46.871	N	120.652	W	13					54	WASHINGTON. <SEA>. CL 3.2 (SEA).
	22	21	38	48.5*	37.009	N	29.431	E	10	G			0.7	5	TURKEY. MD 3.1 (ISK).
	22	21	41	06.8?	10.76	S	161.18	E	79	?			0.7	5	SOLOMON ISLANDS
o	22	22	06	11.1	3.972	S	35.811	E	10	G	5.3	4.5	1.0	101	TANZANIA
	22	22	41	45.6*	33.813	N	78.188	E	33	N			0.7	7	KASHMIR-TIBET BORDER REGION
	22	23	20	09.9%	41.127	N	16.315	E	10	G			1.1	8	SOUTHERN ITALY
	23	01	52	14.9	44.448	N	10.810	E	13				1.0	61	NORTHERN ITALY. MD 3.5 (TRI). ML 3.3 (LDG), 3.3 (KBA).
	23	02	00	46.2?	41.77	N	12.75	E	10	G			0.5	4	SOUTHERN ITALY
	23	02	15	40.2	41.096	N	16.300	E	10	G			1.0	6	SOUTHERN ITALY
	23	02	56	19.6%	39.179	N	3.063	W	10	G			0.9	5	SPAIN. mbLg 2.0 (MDD).
	23	03	06	47.1%	41.176	N	16.329	E	10	G			0.5	5	SOUTHERN ITALY
	23	03	18	25.4?	14.88	N	60.70	W	33	N			0.1	4	WINDWARD ISLANDS. ML 2.4 (FDF).
	23	04	19	06.8%	41.513	N	13.785	E	10	G			0.7	10	SOUTHERN ITALY
	23	04	55	00.9	67.589	N	158.870	W	33	N	3.3		0.4	17	ALASKA. ML 3.6 (PMR).
	23	04	59	38.1	40.551	N	20.340	E	10	G			1.4	11	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	23	05	11	33.8*	36.081	S	74.122	W	33	N	4.3		0.9	14	OFF COAST OF CENTRAL CHILE
	23	05	28	36.9&	60.586	N	152.886	W	144		3.7			68	SOUTHERN ALASKA. <AEIC>.
	23	05	48	24.0%	41.103	N	16.286	E	10	G			1.2	7	SOUTHERN ITALY
o	23	05	55	44.2	8.167	N	122.129	E	54	*	5.0	4.7	1.1	48	MINDANAO, PHILIPPINE ISLANDS
	23	06	21	50.5	40.560	N	20.272	E	26		3.8		1.2	88	GREECE-ALBANIA BORDER REGION. ML 4.5 (ATH), 4.1 (TTG).
	23	06	25	07.6&	49.488	N	126.801	W	34		4.6			126	VANCOUVER ISLAND REGION. <PGC>. ML 4.9 (PGC). Felt (VI) at Friendly Cove, Surge Narrows, Thasis and Zeballos; (IV) at Ahousat, Estevan Point, Gold River, Telegraph Cove and Woss; (III) at Alert Bay, Coal Harbour, Kingcome Inlet, Port Hardy, Port McNeill and on Minstrel Island; (II) at Port Renfrew and Sechelt. Also felt at Kyuquot.
	23	06	52	11.0	47.489	N	115.791	W	1	G			0.4	9	MONTANA. ML 2.4 (GS).
	23	07	14	44.9*	37.463	N	113.461	E	33	N			0.7	5	NORTHEASTERN CHINA. ML 3.5 (BJI).
	23	07	27	12.6	42.429	N	19.744	E	10	G			1.2	11	YUGOSLAVIA. ML 2.4 (TTG).
	23	07	29	03.8*	37.303	N	71.463	E	33	N	4.2		0.4	10	AFGHANISTAN-USSR BORDER REGION
	23	08	25	43.8?	16.34	N	61.39	W	33	N			0.1	4	LEEWARD ISLANDS. ML 1.7 (FDF).
	23	08	52	16.6?	4.77	S	144.76	E	33	N	4.4		1.2	6	NEAR N COAST OF PAPUA NEW GUINEA
	23	09	31	40.3	45.222	N	150.449	E	39	D	5.4	4.6	1.0	231	KURIL ISLANDS
	23	09	53	20.5%	41.082	N	16.290	E	10	G			1.2	7	SOUTHERN ITALY
	23	10	17	06.2%	39.132	N	27.554	E	10	G			0.2	5	TURKEY. MD 2.7 (ISK).
	23	10	17	13.8	30.807	N	36.034	E	10	G			0.7	13	DEAD SEA REGION
	23	10	40	57.9*	15.435	N	120.902	E	33	N	4.7	3.9	0.7	8	LUZON, PHILIPPINE ISLANDS
	23	11	02	48.4?	43.92	N	12.15	E	10	G			0.2	4	CENTRAL ITALY
	23	12	30	29.6	37.422	N	72.277	E	148	*	4.6		1.1	48	TAJIK SSR

a	23	12	33	23.7	36.270	N	70.645	E	155	D	4.9	1.1	157	HINDU KUSH REGION. Felt at Srinagar, Kashmir. Felt at Islamabad and Peshawar, Pakistan.
	23	12	39	02.3?	51.62	N	16.32	E	10	G		0.4	9	POLAND. ML 3.4 (GRF).
	23	12	52	07.9	41.124	N	22.712	E	10	G		1.0	8	YUGOSLAVIA. ML 2.1 (SKO).
	23	12	52	57.0	44.646	N	8.349	E	10	G		0.6	38	NORTHERN ITALY. ML 2.9 (LDG), 2.8 (GEN).
	23	12	56	02.3&	36.640	N	121.297	W	2				18	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	23	13	18	50.4&	62.647	N	149.131	W	62				50	CENTRAL ALASKA. <AEIC>.
	23	13	25	20.5%	42.410	N	19.832	E	10	G		0.5	8	YUGOSLAVIA. ML 1.8 (TTG).
	23	13	42	45.6?	19.44	N	67.20	W	33	N		0.2	6	MONA PASSAGE
	23	13	56	11.0	39.539	N	28.509	E	10	G		0.5	13	TURKEY. MD 3.0 (ISK).
	23	14	27	40.1&	60.366	N	152.634	W	115				37	SOUTHERN ALASKA. <AEIC>.
	23	14	43	20.7?	24.57	S	14.47	W	10	G	4.8 4.7	1.3	9	SOUTH ATLANTIC RIDGE
	23	14	54	02.8?	45.60	N	26.53	E	120	G		0.3	7	ROMANIA
	23	14	55	41.7	46.862	N	152.414	E	33	N	4.9 4.4	1.0	53	KURIL ISLANDS
a	23	14	59	51.7•	49.062	S	164.880	E	33	N	5.0	1.1	11	AUCKLAND ISLANDS REGION
	23	15	08	04.1?	45.58	N	26.59	E	120	G		0.6	7	ROMANIA
	23	15	28	24.5	37.156	N	8.629	W	33	N		1.0	31	PORTUGAL. mbLg 3.5 (MDD). MD 3.4 (RBA).
	23	16	39	51.1	41.249	N	22.744	E	10	G		1.2	10	YUGOSLAVIA. ML 1.9 (SKO).
	23	16	49	46.5	55.060	N	164.884	W	160		4.3	0.8	36	UNIMAK ISLAND REGION
	23	17	53	02.3	37.397	N	26.465	E	11			0.9	17	DODECANESE ISLANDS. ML 3.8 (ATH).
	23	18	14	51.2•	8.991	N	126.731	E	33	N	4.9	0.6	10	MINDANAO, PHILIPPINE ISLANDS
	23	18	26	33.9%	18.208	N	67.123	W	33	N		0.6	6	MONA PASSAGE
	23	18	45	00.6•	31.414	S	68.431	W	120	•		0.9	15	SAN JUAN PROVINCE, ARGENTINA
	23	18	51	28.5%	45.850	N	0.701	W	10	G		1.5	7	FRANCE. ML 2.3 (LDG).
a	23	19	53	16.1	4.676	S	137.708	E	22	D	5.2 4.6	1.2	84	WEST IRIAN
	23	20	19	59.4	34.156	S	71.160	W	79		4.7	1.0	40	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Rancagua and San Fernando; (III) at Santiago and Valparaiso.
	23	20	42	39.7•	12.922	N	87.882	W	33	N	4.8	1.5	31	NEAR COAST OF NICARAGUA
	23	20	56	49.5•	27.874	S	66.915	W	183	•		1.1	13	CATAMARCA PROVINCE, ARGENTINA
	23	22	21	03.4	7.102	S	129.563	E	33	N	4.9 4.7	1.0	44	BANDA SEA
	23	22	35	03.7?	51.73	N	16.28	E	10	G		0.3	11	POLAND. ML 3.8 (GRF), 3.6 (VKA).
	23	22	36	21.3?	45.67	N	26.65	E	120	G		0.9	7	ROMANIA
	23	22	38	08.4	39.275	N	23.580	E	10			0.8	47	AEGEAN SEA. ML 3.9 (ATH).
	23	23	07	45.5•	51.153	S	161.210	E	10	G	5.1	1.2	24	NORTH OF MACQUARIE ISLAND
	24	00	08	25.2?	15.98	N	98.58	W	33	N	3.5	1.4	7	OFF COAST OF GUERRERO, MEXICO
	24	00	42	19.8?	35.67	S	179.58	W	33	N		0.4	7	EAST OF NORTH ISLAND, N.Z.
	24	00	50	37.4•	42.091	S	171.414	E	33	N	4.9	0.9	6	SOUTH ISLAND, NEW ZEALAND. Felt at Westport.
	24	01	20	59.2•	9.804	S	159.814	E	33	N	4.7	0.9	13	SOLOMON ISLANDS
	24	02	03	00.7&	46.627	N	122.132	W	16				68	WASHINGTON. <SEA>. CL 2.6 (SEA).
	24	02	34	06.3?	17.80	S	178.96	W	644	?	5.2	0.8	26	FIJI ISLANDS REGION
	24	02	39	37.8&	36.208	N	120.318	W	9				20	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK), 3.1 (PAS).
	24	03	18	21.1	67.595	N	159.028	W	10	G	3.4	0.8	33	ALASKA. ML 3.9 (PMR).
	24	03	47	14.9%	44.325	N	7.361	E	10	G		0.6	6	NORTHERN ITALY. ML 2.0 (GEN).
	24	03	59	58.0•	67.610	N	158.810	W	10	G	2.6	1.0	6	ALASKA. ML 3.0 (PMR).
	24	04	40	07.5%	41.880	N	13.265	E	10	G		1.2	9	SOUTHERN ITALY
	24	05	04	10.6%	41.893	N	13.244	E	10	G		1.1	10	SOUTHERN ITALY
	24	05	57	56.5?	14.71	N	61.03	W	10	G		0.1	4	WINDWARD ISLANDS
	24	06	08	09.1•	13.002	N	88.081	W	40	•	4.5 4.4	1.4	31	EL SALVADOR. Felt (VI) at La Union.
a	24	09	36	51.2	22.689	S	166.638	E	33	N	4.9 5.0	1.5	69	NEW CALEDONIA
	24	09	57	39.4%	41.155	N	16.341	E	10	G		1.4	8	SOUTHERN ITALY
	24	10	12	51.8%	39.155	N	27.557	E	10	G		0.5	6	TURKEY. MD 2.7 (ISK).
a	24	11	04	15.8	15.125	S	173.384	W	33	N	5.2 5.4	1.1	101	TONGA ISLANDS
	24	11	28	00.1?	6.43	S	147.39	E	116	?	4.9	0.4	8	EAST PAPUA NEW GUINEA REGION
	24	11	34	45.3	9.263	N	125.724	E	33	N	5.0 4.8	1.2	64	MINDANAO, PHILIPPINE ISLANDS
	24	11	58	23.0	13.098	N	88.041	W	45	•	4.7	1.3	45	EL SALVADOR
	24	12	06	16.0%	43.936	N	12.014	E	10	G		1.2	5	CENTRAL ITALY
	24	12	16	02.5•	58.385	N	175.517	W	20	G		0.7	7	BERING SEA
	24	12	32	12.2	43.916	N	12.086	E	10	G		0.3	6	CENTRAL ITALY
	24	12	43	38.7	44.558	N	7.213	E	10	G		0.5	18	NORTHERN ITALY. ML 2.3 (LDG), 2.2 (GEN).
	24	13	15	24.7?	44.00	N	148.67	E	33	N	4.1	1.1	7	KURIL ISLANDS
	24	13	30	35.5	23.488	N	120.969	E	36		4.6	0.8	24	TAIWAN
	24	13	33	11.0•	30.595	S	68.470	W	33	N		1.1	6	SAN JUAN PROVINCE, ARGENTINA
	24	14	34	47.1?	15.10	S	173.15	W	33	N	4.6 4.7	1.0	22	TONGA ISLANDS
	24	14	41	15.2?	37.00	N	29.56	E	10	G		1.0	4	TURKEY. MD 3.0 (ISK).
	24	16	19	09.2•	5.800	S	105.681	E	182	?	4.8	1.4	23	SUNDA STRAIT
	24	16	32	50.0•	51.352	N	179.508	E	86	•	4.3	1.2	20	RAT ISLANDS, ALEUTIAN ISLANDS
	24	18	51	40.5%	43.123	N	7.896	E	10	G		0.1	5	NEAR SOUTH COAST OF FRANCE
	24	18	53	12.3•	9.127	S	114.896	E	78	?	4.7	1.0	15	SOUTH OF BALI ISLAND
	24	19	31	53.1	1.680	S	28.772	E	10	G	4.6	1.0	28	ZAIRE REPUBLIC
	24	20	05	12.5	37.079	N	28.156	E	10	G		1.1	15	TURKEY
	24	21	18	54.7?	37.12	N	29.55	E	10	G		0.1	4	TURKEY. MD 2.8 (ISK).
	24	22	26	38.6&	38.840	N	122.818	W	2				11	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK).
	25	00	40	13.9&	38.827	N	122.822	W	4				19	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	25	00	47	00.5•	40.425	N	23.015	E	10	G		0.1	5	GREECE. ML 1.7 (SKO).
	25	00	53	42.0	38.571	N	26.635	E	10	G		0.6	25	AEGEAN SEA. MD 3.7 (ATH), 3.6 (ISK).
	25	02	06	37.2	10.583	S	74.824	W	33	N	4.5	0.8	11	PERU
	25	02	24	40.4?	39.97	N	28.05	E	10	G		0.7	4	TURKEY. MD 2.4 (ISK).
	25	02	38	42.8•	30.837	N	67.198	E	33	N	4.7	1.2	12	PAKISTAN
	25	04	44	06.4?	11.44	N	124.86	E	60	G	4.4	0.7	9	LEYTE, PHILIPPINE ISLANDS
	25	06	31	46.1&	40.526	N	123.007	W	39				5	NORTHERN CALIFORNIA. <GM>. MD 3.2 (GM).
a	25	06	39	04.9	7.388	S	128.922	E	124		5.6	1.0	162	BANDA SEA
	25	07	25	58.4	41.310	N	20.252	E	32		4.5	1.2	78	ALBANIA. ML 4.5 (SKO), 4.2 (ZAG). Felt (IV) in the Debar area, Yugoslavia.
	25	08	24	43.8•	13.243	N	57.576	W	33	N		0.4	18	NORTH ATLANTIC OCEAN. MD 4.3 (TRN).
	25	09	13	40.3•	22.714	N	121.583	E	10	G	3.6	0.8	5	TAIWAN REGION
	25	09	21	45.6	44.032	N	7.662	E	10	G		0.5	20	NORTHERN ITALY. ML 2.3 (GEN).
	25	09	42	24.2	23.800	N	121.782	E	31		4.6	1.2	27	TAIWAN
	25	09	48	41.2	37.246	N	114.289	W	10	G		0.4	13	SOUTHERN NEVADA. ML 3.5 (GS).
	25	10	46	48.9•	38.158	N	73.981	E	33	N	3.8	1.0	10	TAJIK–XINJIANG BORDER REGION
	25	10	52	33.9•	34.695	N	79.059	E	33	N	4.6	0.9	12	KASHMIR–TIBET BORDER REGION
	25	11	30	11.5	44.052	N	7.672	E	10	G		1.0	73	NORTHERN ITALY. ML 3.7 (GEN), 3.3 (LDG).
	25	11	44	10.2•	23.238	S	70.476	W	37	•	4.7	1.2	22	NEAR COAST OF NORTHERN CHILE
	25	12	12	35.4	36.441	N	70.896	E	196	D	4.4	1.1	19	HINDU KUSH REGION

	25	12	39	35.8	38.990	N	19.709	E	10	G		1.2	25	IONIAN SEA. MD 3.5 (ATH).
	25	13	20	56.8%	43.015	N	12.831	E	10	G		1.3	5	CENTRAL ITALY
a	25	14	30	27.6	40.386	N	78.959	E	21	D	5.5 6.1	1.0	289	SOUTHERN XINJIANG, CHINA. Three people were injured and at least 120 houses collapsed and 8,441 houses damaged in the Kalpin area. Ground cracks and earthquake lights were reported in the epicentral area. Felt at Akqi, Aksu, Bachu and Wasi.
	25	14	36	17.4	41.072	N	22.842	E	10	G		1.1	11	YUGOSLAVIA. MD 2.5 (THE). ML 2.2 (SKO).
	25	14	52	04.5	40.277	N	79.070	E	33	N	5.0	0.9	83	SOUTHERN XINJIANG, CHINA
	25	14	54	44.1*	40.499	N	78.917	E	33	N	4.9	1.1	18	SOUTHERN XINJIANG, CHINA
	25	15	03	46.9%	44.884	N	6.688	E	10	G		0.3	10	FRANCE. ML 2.3 (GEN).
	25	17	01	53.5?	37.04	N	29.48	E	10	G		1.1	4	TURKEY. MD 3.1 (ISK).
	25	17	08	31.1%	43.919	N	12.635	E	33	N		0.2	5	CENTRAL ITALY
	25	17	48	48.3	41.307	N	20.282	E	10	G		0.9	25	ALBANIA. ML 3.0 (TTG). MD 3.0 (THE).
	25	18	17	04.5*	10.025	S	160.297	E	57	*	4.8	0.8	19	SOLOMON ISLANDS
	25	18	51	06.8?	65.11	N	157.05	W	33	N		0.0	4	ALASKA. ML 2.8 (PMR).
	25	18	52	30.0	39.237	N	20.947	E	10	G		0.7	6	GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH).
	25	18	55	07.3*	9.198	N	126.326	E	100	?	4.6	1.2	17	MINDANAO, PHILIPPINE ISLANDS
	25	19	06	13.2*	37.828	N	72.474	E	33	N	4.2	0.4	8	TAJIK SSR
	25	19	52	10.0*	9.187	N	126.549	E	60	G	4.6	1.1	15	MINDANAO, PHILIPPINE ISLANDS
	25	20	01	39.2?	30.62	N	67.50	E	33	N	4.5	1.1	14	PAKISTAN
	25	20	08	38.7*	52.778	N	172.635	E	33	N	4.1	0.8	9	NEAR ISLANDS, ALEUTIAN ISLANDS
	25	20	24	01.9*	24.066	N	95.262	E	33	N		0.4	7	BURMA
	25	21	12	54.3	23.216	S	70.560	W	41		4.9 4.4	1.1	34	NEAR COAST OF NORTHERN CHILE. Felt (III) at Mejillones and Antofagasta.
	25	21	22	20.3%	17.291	N	94.566	W	33	N		0.9	7	CHIAPAS, MEXICO
	25	21	54	37.4?	43.08	N	143.13	E	33	N	4.7	0.9	8	HOKKAIDO, JAPAN REGION
	25	21	57	27.4	41.109	N	16.328	E	10	G		0.7	16	SOUTHERN ITALY
	25	22	20	17.1?	18.23	N	67.24	W	33	N		0.8	5	MONA PASSAGE
	25	23	08	32.4*	9.265	N	126.380	E	60	G	4.7	1.2	24	MINDANAO, PHILIPPINE ISLANDS
	25	23	14	04.6	39.628	N	24.097	E	10	G		0.7	15	AEGEAN SEA. MD 3.1 (ATH), 3.1 (THE).
	25	23	36	34.3*	51.256	N	15.923	E	10	G		0.4	6	POLAND. ML 3.5 (GRF), 3.1 (VKA).
	25	23	46	59.9	41.505	N	14.252	E	10	G		1.0	16	SOUTHERN ITALY
	26	01	01	21.9*	37.657	N	118.833	W	10	G		1.2	6	CALIFORNIA-NEVADA BORDER REGION. MD 3.0 (GM).
	26	01	12	10.3&	63.264	N	150.548	W	133				28	CENTRAL ALASKA. <AEIC>.
	26	01	19	27.3?	31.35	N	67.20	E	33	N	4.3	0.5	7	AFGHANISTAN
	26	02	58	35.4*	36.680	N	25.470	E	10	G		0.7	5	DODECANESE ISLANDS. MD 3.5 (ATH).
	26	03	37	32.3*	45.752	N	26.699	E	130	G		0.4	6	ROMANIA
	26	05	07	59.3	41.029	N	22.394	E	10	G		1.0	14	YUGOSLAVIA. ML 2.7 (SKO).
	26	05	50	14.7%	38.152	N	28.895	E	10	G		0.3	6	TURKEY. MD 3.1 (ISK).
	26	06	38	34.9&	63.609	N	149 623	W	123		3.4		69	CENTRAL ALASKA. <AEIC>.
a	26	07	25	47.2	40.186	N	13.822	E	401		5.5	1.1	398	TYRRHENIAN SEA
	26	07	28	45.4	39.214	N	71.500	E	33	N	4.8	0.8	27	TAJIK SSR. ML 4.8 (BJI).
	26	08	54	42.1*	37.863	N	112.419	E	33	N		1.3	6	NORTHEASTERN CHINA. ML 3.6 (BJI).
	26	09	16	15.6&	46.717	N	119.883	W	2				39	WASHINGTON. <SEA>. CL 3.0 (SEA).
	26	10	34	24.5?	39.12	N	27.52	E	10	G		0.2	4	TURKEY. MD 2.8 (ISK).
	26	11	03	08.4	27.268	N	140.093	E	499	*	4.9	0.8	91	BONIN ISLANDS REGION
	26	11	53	08.3%	38.966	N	30.088	E	10	G		0.8	7	TURKEY. MD 3.0 (ISK).
	26	12	04	22.2%	42.107	N	19.289	E	10	G		0.5	8	YUGOSLAVIA. ML 2.0 (TTG).
	26	13	49	03.9	43.962	N	8.754	E	10	G		0.6	34	CORSICA. ML 3.0 (GEN).
	26	13	54	50.9	44.009	N	7.638	E	12			0.3	16	NORTHERN ITALY. ML 2.2 (GEN).
	26	15	09	24.7?	41.96	N	24.76	E	10	G		0.8	6	GREECE-BULGARIA BORDER REGION
	26	15	38	42.4	34.536	N	91.614	E	33	N	4.7 4.6	1.2	25	QINGHAI PROVINCE, CHINA
	26	16	11	33.8	36.705	N	5.850	W	10	G		1.0	15	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
a	26	16	14	42.1*	49.494	S	125.725	E	10	G	5.0 4.9	1.4	15	SOUTH OF AUSTRALIA
	26	18	28	42.8*	40.377	N	78.543	E	33	N	4.5	1.5	10	SOUTHERN XINJIANG, CHINA
	26	19	19	32.7*	32.811	N	86.277	E	33	N	4.3	1.1	10	TIBET
	26	19	26	56.7%	40.839	N	28.128	E	0	G		0.4	8	TURKEY. MD 2.6 (ISK).
	26	21	06	35.7	20.992	N	146.059	E	33	N	4.5 4.1	1.0	15	MARIANA ISLANDS REGION
	26	21	54	56.0?	16.99	N	145.36	E	128	?	4.3	0.6	12	MARIANA ISLANDS
	26	22	30	48.6	38.516	N	26.713	E	23			1.0	41	AEGEAN SEA. MD 4.1 (THE), 4.1 (ISK). Felt at Manisa, Turkey.
	26	22	34	15.3	40.490	N	20.375	E	10	G		0.4	6	GREECE-ALBANIA BORDER REGION
	26	23	30	36.2	38.571	N	26.796	E	10	G		0.6	14	AEGEAN SEA. MD 3.6 (ATH), 3.6 (ISK).
	26	23	40	07.3?	18.91	N	64.48	W	33	N		0.4	7	VIRGIN ISLANDS
	26	23	50	41.5	44.550	N	7.274	E	10	G		0.2	6	NORTHERN ITALY. ML 1.7 (GEN).
	27	00	16	20.3	35.759	N	119.948	W	10	G		0.9	7	CENTRAL CALIFORNIA. MD 3.1 (GM).
	27	00	36	00.5*	24.428	N	123.797	E	33	N	4.3	0.9	11	SOUTHWESTERN RYUKYU ISLANDS
	27	01	30	00.2%	18.116	N	100.416	W	33	N		1.1	9	GUERRERO, MEXICO
	27	05	07	54.0?	17.63	N	61.86	W	10	G		0.1	5	LEEWARD ISLANDS. ML 3.2 (FDF).
	27	06	54	32.2*	51.963	N	31.534	W	10	G	4.3	0.6	13	NORTH ATLANTIC RIDGE
	27	07	08	21.6*	38.344	N	30.262	E	10	G		0.9	5	TURKEY. MD 3.1 (ISK).
	27	08	32	46.4&	40.537	N	125.015	W	6		3.8		39	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK). Felt (III) at Honeydew.
	27	08	34	35.1	30.218	S	68.760	W	35		5.4 4.7	1.0	101	SAN JUAN PROVINCE, ARGENTINA. Felt (II) at San Juan.
	27	08	43	53.7	25.649	N	103.911	E	23		4.7 4.5	1.1	34	YUNNAN PROVINCE, CHINA
	27	08	47	02.7%	42.084	N	20.010	E	10	G		0.7	7	YUGOSLAVIA. ML 2.0 (TTG).
	27	08	51	15.6	36.444	N	28.069	E	90	?		1.0	10	DODECANESE ISLANDS. MD 3.8 (ATH), 3.5 (ISK).
a	27	09	25	07.2	22.936	S	172.523	E	33	N	5.3 5.0	1.2	75	LOYALTY ISLANDS REGION
	27	09	52	56.9%	41.427	N	29.383	E	10	G		0.6	8	TURKEY. MD 2.8 (ISK).
	27	09	54	55.8*	41.429	N	29.366	E	10	G		0.6	8	TURKEY. MD 2.9 (ISK).
	27	10	55	20.4%	44.384	N	8.327	E	10	G		0.2	9	NORTHERN ITALY. ML 2.0 (GEN).
	27	11	13	38.7	39.095	N	20.597	E	5	G		0.7	13	GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH), 2.9 (THE).
	27	11	21	40.2%	44.385	N	8.084	E	10	G		0.3	5	NORTHERN ITALY. ML 1.8 (GEN).
	27	11	38	19.9?	40.82	N	29.25	E	10	G		1.0	4	TURKEY. MD 2.4 (ISK).
	27	12	02	33.2	43.274	N	5.471	E	17			0.7	15	NEAR SOUTH COAST OF FRANCE. MD 2.0 (STR).
	27	12	18	23.4*	24.048	S	66.751	W	189		4.4	1.0	41	SALTA PROVINCE, ARGENTINA
	27	13	24	41.8*	36.493	N	70.819	E	199	*	4.3	1.2	27	HINDU KUSH REGION
	27	13	29	22.8*	34.963	N	36.873	E	10	G		0.7	8	JORDAN - SYRIA REGION. ML 3.6 (BHL).
	27	14	00	42.6*	35.654	S	178.722	E	33	N	4.7	1.4	11	OFF E. COAST OF N. ISLAND, N.Z.
	27	14	00	58.5*	39.895	N	23.981	E	10	G		0.2	5	AEGEAN SEA
	27	14	11	02.5*	71.402	N	8.999	W	10	G		0.5	5	JAN MAYEN ISLAND REGION. MD 2.6 (BER).
	27	16	07	00.8*	39.946	N	23.816	E	10	G		1.0	8	AEGEAN SEA. MD 2.6 (THE).

	27	17 12 35.3&	61.613 N	149.702 W	32					40	SOUTHERN ALASKA. <AEIC>. Felt (I) at Palmer.
	27	17 37 28.5	38.341 N	30.263 E	10	G			0.7	17	TURKEY. MD 3.6 (ISK).
	27	18 02 53.1	38.326 N	30.235 E	10	G			0.7	18	TURKEY. MD 3.7 (ISK).
	27	18 05 41.5	38.240 N	30.100 E	10	G			0.9	17	TURKEY. MD 3.7 (ISK).
	27	18 43 42.7	36.644 N	25.597 E	10	G			1.3	6	DODECANESE ISLANDS. ML 3.4 (ATH).
	27	19 02 20.6	8.912 N	126.385 E	64	*	5.1		1.1	64	MINDANAO, PHILIPPINE ISLANDS
	27	19 12 50.7%	38.348 N	30.199 E	10	G			0.8	5	TURKEY. MD 2.8 (ISK).
	27	19 31 53.8	44.403 N	7.367 E	10	G			0.7	12	NORTHERN ITALY. ML 2.0 (LDG), 1.7 (GEN).
	27	19 33 30.1?	15.89 S	72.82 W	121	*	4.1		1.5	10	SOUTHERN PERU. Felt (II) at Arequipa.
	27	19 57 20.5?	12.53 N	87.64 W	61	?	4.6		1.2	14	NEAR COAST OF NICARAGUA
	27	20 49 18.8%	38.292 N	30.239 E	10	G			0.8	6	TURKEY. MD 3.0 (ISK).
	27	20 52 41.9%	38.302 N	30.198 E	10	G			0.9	6	TURKEY. MD 3.1 (ISK).
	27	20 54 33.8?	44.39 N	7.34 E	10	G			0.2	4	NORTHERN ITALY. ML 1.4 (GEN).
	27	22 21 15.8	9.876 N	60.022 W	33	N	4.2		0.9	9	NEAR COAST OF VENEZUELA. MD 3.8 (TRN).
	27	22 32 32.4	36.372 N	141.049 E	61		4.7		1.1	52	NEAR EAST COAST OF HONSHU, JAPAN
	27	22 35 46.1	45.089 N	3.079 E	10	G			0.9	10	FRANCE. ML 2.1 (LDG). MD 2.1 (STR).
	27	23 21 26.7%	40.110 N	29.331 E	10	G			0.6	10	TURKEY. MD 2.8 (ISK).
	28	02 41 35.8	44.314 N	6.683 E	10	G			0.1	7	FRANCE. ML 2.7 (LDG).
	28	03 41 08.9%	36.951 N	29.448 E	10	G			0.7	5	TURKEY. MD 3.0 (ISK).
	28	04 53 14.1	38.575 N	21.824 E	9				1.3	16	GREECE. ML 3.2 (ATH).
	28	05 20 09.6	19.110 S	175.195 W	248	D	5.4		1.1	97	TONGA ISLANDS
	28	05 45 52.0?	4.37 S	126.67 E	74	?	4.9		1.1	5	BANDA SEA
	28	05 50 23.0	37.762 N	72.619 E	33	N	4.5		1.0	12	TAJIK SSR
	28	06 35 11.3?	40.97 N	22.27 E	10	G			0.5	5	GREECE. ML 1.7 (SKO).
	28	06 49 02.8*	45.847 N	26.768 E	106	*	3.9		1.5	10	ROMANIA
	28	07 49 33.9	37.980 N	24.864 E	10	G			1.0	6	SOUTHERN GREECE. ML 3.3 (ATH).
	28	07 54 42.0	40.807 N	23.062 E	10	G			0.2	7	GREECE. ML 2.1 (SKO).
	28	08 44 24.1	45.773 N	13.987 E	10	G			0.3	6	NORTHERN ITALY. MD 2.3 (TRI). ML 2.2 (KBA).
	28	09 20 45.1%	39.180 N	27.601 E	10	G			1.0	5	TURKEY. MD 2.5 (ISK).
	28	10 21 49.4?	40.88 N	29.62 E	10	G			0.2	4	TURKEY
	28	10 23 06.1?	15.89 N	60.95 W	33	N			0.4	5	LEEWARD ISLANDS. ML 2.2 (FDF).
	28	10 34 27.3&	56.753 N	155.901 W	52		2.7			47	ALASKA PENINSULA. <AEIC>.
	28	11 25 28.3	40.422 N	23.308 E	10	G			0.7	20	GREECE. MD 3.3 (THE).
	28	11 27 57.6%	40.423 N	23.076 E	10	G			0.4	6	GREECE. MD 1.7 (THE).
	28	12 06 34.4%	40.634 N	23.631 E	10	G			0.3	5	GREECE. MD 1.6 (THE).
	28	12 17 30.0*	43.364 N	5.422 E	33				0.7	12	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	28	12 20 16.2%	39.277 N	29.194 E	10	G			0.5	6	TURKEY. MD 2.9 (ISK).
	28	12 54 38.2%	39.197 N	27.547 E	10	G			0.3	5	TURKEY. MD 2.6 (ISK).
	28	13 00 44.9*	28.075 N	142.020 E	33	N	4.6		0.9	17	BONIN ISLANDS REGION
o	28	13 30 13.5	20.118 S	175.830 W	220	D	5.6		1.0	258	TONGA ISLANDS
	28	13 39 25.1%	39.137 N	27.526 E	10	G			0.2	5	TURKEY. MD 2.5 (ISK).
	28	13 58 54.3%	40.608 N	28.928 E	10	G			0.6	8	TURKEY. MD 2.6 (ISK).
	28	14 23 13.9	45.593 N	6.041 E	6				1.0	31	FRANCE. ML 3.0 (LDG).
	28	14 34 10.5&	60.122 N	152.712 W	94		3.2			50	SOUTHERN ALASKA. <AEIC>.
	28	15 02 09.7%	41.139 N	28.477 E	10	G			0.3	6	TURKEY. MD 2.6 (ISK).
	28	15 29 41.6?	51.69 N	16.36 E	10	G			0.6	9	POLAND. ML 3.8 (GRF), 3.7 (VKA), 3.6 (KBA).
	28	17 27 57.9	23.666 N	108.690 W	10	G	4.6	4.1	1.3	47	GULF OF CALIFORNIA
	28	17 58 53.1*	20.387 S	174.211 W	33	N	4.6		1.0	18	TONGA ISLANDS
	28	18 05 28.8	31.976 N	142.355 E	43	D	5.1		0.9	61	SOUTH OF HONSHU, JAPAN
	28	18 08 03.7	7.439 S	128.282 E	161		5.0		0.9	58	BANDA SEA
	28	19 12 23.6%	47.162 N	0.685 W	10	G			1.5	9	FRANCE. ML 2.9 (LDG).
	28	19 43 19.7%	47.216 N	0.534 W	10	G			1.2	10	FRANCE. ML 2.9 (LDG).
	28	19 53 58.6	39.905 N	22.005 E	10	G			0.9	6	GREECE. MD 2.1 (THE).
	28	20 20 49.4*	62.093 N	2.334 E	10	G			1.0	12	NORWEGIAN SEA. MD 2.8 (BER).
	28	20 46 10.0?	39.48 N	19.98 E	10	G			1.3	8	GREECE-ALBANIA BORDER REGION. MD 2.7 (THE).
	28	21 01 47.8&	60.173 N	153.169 W	140		4.5			120	SOUTHERN ALASKA. <AEIC>. Felt at Homer and in the lower Cook Inlet area.
	28	21 55 00.4	39.386 N	28.224 E	10	G			0.4	12	TURKEY. MD 3.1 (ISK).
	28	23 30 57.9	33.695 N	34.511 E	10	G			1.2	8	EASTERN MEDITERRANEAN SEA. ML 3.3 (BHL), 3.2 (CSS).

A D D I T I O N A L S O U R C E P A R A M E T E R S

01 12 07 49.61 19.781S 173.171W 23km
5.4mb (37 obs.) 5.0Msz (13 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Location:
Origin Time 12:07:52.2 0.7
Lat 19.72S 0.09 Lon 172.67W 0.07
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.14	61	323
N	2.15	15	205
P	-13.29	24	108

Best Double Couple:Mo=1.2*10**17
NP1:Strike=170 Dip=24 Slip= 52
NP2: 30 71 106

01 12 33 26.87 26.573S 114.381W 10km
5.3mb (23 obs.) 4.8Msz (3 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centroid Location:
Origin Time 12:33:36.2 0.7
Lat 26.43S 0.10 Lon 114.69W 0.07
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	14.73	13	65
N	-6.88	68	301
P	-7.85	18	159

Best Double Couple:Mo=1.1*10**17
NP1:Strike=201 Dip=68 Slip= -4
NP2: 293 87 -158

01 17 14 53.62 57.07 S 141.11 W 10km
5.0mb (4 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Location:
Origin Time 17:15: 6.4 0.3
Lat 56.78S 0.04 Lon 141.45W 0.04
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.05	0	159
N	-0.06	90	180
P	-3.99	0	69

Best Double Couple:Mo=4.0*10**17
NP1:Strike=204 Dip=90 Slip=-180
NP2: 294 90 0

02 12 39 27.05 1.676N 126.459E 36km
5.3mb (20 obs.) 4.6Msz (7 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 12:39:30.7 1.0
Lat 1.56N 0.15 Lon 126.08E 0.11
Dep 20.0 5.7 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.99	4	279
N	-1.19	2	189
P	-4.80	85	76

Best Double Couple:Mo=5.4*10**16
NP1:Strike= 11 Dip=41 Slip= -87
NP2: 187 49 -92

05 03 53 25.37 24.343S 115.893W 10km
5.3mb (14 obs.) 5.1Msz (7 obs.)
EASTER ISLAND CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 51C
Centroid Location:
Origin Time 03:53:33.0 0.4
Lat 24.35S 0.06 Lon 116.14W 0.04
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.67	6	111
N	-0.99	79	231

P -1.68 9 20
Best Double Couple:Ma=2.2•10••17
NP1:Strike=155 Dip=80 Slip=-177
NP2: 65 87 -11

05 23 34 30.65 17.720N 61.642W 42km
5.1mb (42 abs.) 4.6Msz (7 obs.)
LEEWARD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centraid Lacatian:
Origin Time 23:34:32.6 1.6
Lat 17.31N 0.19 Lan 61.46W 0.15
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10••16 Nm
T Val= 8.79 Plg=59 Azm=227
N 0.33 14 341
P -9.12 27 78
Best Double Couple:Ma=8.9•10••16
NP1:Strike=198 Dip=22 Slip= 129
NP2: 337 73 76

06 07 58 38.75 52.349N 152.413E 495km
5.0mb (84 abs.)
NORTHWEST OF KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 24C
Centroid Lacatian:
Origin Time 07:58:42.0 0.6
Lat 52.13N 0.07 Lan 152.67E 0.07
Dep 493.4 3.7 Half-duration 1.7
Principal Axes:
Scale 10••16 Nm
T Val= 8.84 Plg=17 Azm= 82
N 6.96 25 180
P -15.80 59 322
Best Double Couple:Mo=1.2•10••17
NP1:Strike=139 Dip=36 Slip=-137
NP2: 12 66 -62

07 03 50 28.75 51.693N 174.221E 34km
5.7mb (101 obs.) 5.3Msz (17 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 40C
Centraid Lacatian:
Origin Time 03:50:27.3 0.3
Lat 52.03N 0.04 Lon 174.27E 0.08
Dep 15.0 BDY Half-duratian 2.5
Principal Axes:
Scale 10••17 Nm
T Val= 3.76 Plg=55 Azm=326
N 0.20 11 71
P -3.96 33 168
Best Double Couple:Ma=3.9•10••17
NP1:Strike=294 Dip=15 Slip= 134
NP2: 69 79 79

07 06 04 20.52 66.354N 147.958W 10km
5.5mb (82 abs.) 4.8Msz (9 obs.)
ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centraid Lacatian:
Origin Time 06:04:25.3 0.7
Lat 66.28N 0.10 Lan 148.44W 0.27
Dep 15.0 BDY Half-duratian 1.5
Principal Axes:
Scale 10••16 Nm
T Val= 6.71 Plg=66 Azm=268
N -1.21 23 70
P -5.50 7 163
Best Double Couple:Ma=6.1•10••16
NP1:Strike=277 Dip=43 Slip= 125
NP2: 53 56 61

09 02 08 50.90 15.348S 176.901W 28km
5.6mb (39 abs.) 6.0Msz (28 abs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 58C M.W.: 18S, 27C
Centraid Lacatian:
Origin Time 02:08:57.0 0.2
Lat 15.00S 0.03 Lan 176.81W 0.02
Dep 15.0 FIX Half-duratian 3.7
Principal Axes:
Scale 10••18 Nm
T Val= 1.46 Plg=18 Azm=134
N -0.02 57 15
P -1.45 27 233
Best Double Cauple:Mo=1.5•10••18
NP1:Strike=272 Dip=58 Slip= -7
NP2: 5 84 -148

09 08 39 45.19 27.210S 63.398W 573km
5.0mb (25 obs.)
SANTIAGO DEL ESTERO PROV., ARG.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 08:39:50.7 0.7
Lat 27.45S 0.11 Lan 63.00W 0.09
Dep 556.7 5.2 Half-duration 1.7
Principal Axes:
Scale 10••16 Nm
T Val= 9.72 Plg=28 Azm=253
N -1.94 16 352
P -7.77 57 108
Best Double Couple:Mo=8.7•10••16
NP1:Strike=307 Dip=22 Slip=-137
NP2: 176 75 -73

09 16 18 58.37 9.929S 159.139E 10km
6.4mb (65 obs.) 6.9Msz (35 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=270 Dip=25 Slip= -90
NP2: 90 65 -90
Principal Axes:
T Plg=20 Azm=180
P 70 0
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 17 Focal mech. F
Energy 2.4±0.4•10••14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 67C M.W.: 25S, 67C
Centraid Lacation:
Origin Time 16:19:12.2 0.1
Lat 9.95S 0.01 Lan 159.42E 0.01
Dep 15.0 FIX Half-duration 11.0
Principal Axes:
Scale 10••19 Nm
T Val= 2.65 Plg=11 Azm=189
N 0.18 1 98
P -2.84 79 5
Best Double Cauple:Ma=2.8•10••19
NP1:Strike=279 Dip=34 Slip= -89
NP2: 98 56 -91

10 12 42 37.60 8.745N 39.854W 10km
5.9mb (79 abs.) 5.9Msz (42 obs.)
CENTRAL MID-ATLANTIC RIDGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=180 Dip=83 Slip= 0
NP2: 270 90 187
Principal Axes:
T Plg= 5 Azm= 45
P 5 135
Comment: The focal mechanism is moderately well controlled and corresponds to right-lateral strike slip faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 1.0±0.4•10••14 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 11
Principal Axes:
Scale 10••18 Nm
T Val= 2.02 Plg= 0 Azm=317
N -0.29 85 50
P -1.73 5 227
Best Double Couple:Ma=1.9•10••18
NP1:Strike= 2 Dip=87 Slip=-177
NP2: 272 87 -3
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 61C
Centraid Lacation:
Origin Time 12:42:39.8 0.5
Lat 8.30N 0.05 Lon 39.58W 0.03
Dep 15.0 FIX Half-duratian 3.6
Principal Axes:
Scale 10••17 Nm
T Val= 9.42 Plg= 1 Azm= 48
N -1.33 79 313
P -8.08 11 138
Best Double Cauple:Ma=8.8•10••17
NP1:Strike=183 Dip=81 Slip= -7
NP2: 274 83 -171

10 14 15 19.85 14.005N 144.743E 156km
5.5mb (81 abs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 44C
Centraid Lacatian:
Origin Time 14:15:25.2 0.3
Lat 14.00N 0.03 Lon 144.73E 0.02
Dep 154.4 1.1 Half-duratian 3.7
Principal Axes:
Scale 10••18 Nm
T Val= 1.24 Plg=13 Azm= 47
N -0.06 72 269
P -1.18 12 139
Best Double Couple:Mo=1.2•10••18
NP1:Strike=183 Dip=7. Slip= 1
NP2: 93 89 162

11 10 31 11.09 5.362N 82.510W 10km
5.1mb (22 abs.) 4.9Msz (2 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 30C
Centraid Lacation:
Origin Time 10:31:11.6 1.4
Lat 5.14N 0.10 Lan 82.34W 0.07
Dep 15.0 FIX Half-duratian 1.8
Principal Axes:
Scale 10••16 Nm
T Val= 10.52 Plg= 0 Azm=133
N -1.01 90 180
P -9.51 0 43
Best Double Cauple:Ma=1.0•10••17
NP1:Strike=178 Dip=90 Slip=-180
NP2: 268 90 0

12 11 31 04.01 32.015S 179.750E 365km
5.3mb (31 abs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 53C
Centraid Lacatian:
Origin Time 11:31: 9.9 0.3
Lat 31.63S 0.04 Lan 179.66E 0.02
Dep 370.4 1.2 Half-duratian 3.0
Principal Axes:
Scale 10••17 Nm
T Val= 5.17 Plg=20 Azm=270
N 0.45 25 170
P -5.62 57 34
Best Double Couple:Mo=5.4•10••17
NP1:Strike= 36 Dip=34 Slip= -39
NP2: 160 69 -117

13 06 17 23.07 44.361S 79.529W 10km
5.2mb (11 obs.) 4.8Msz (2 abs.)
OFF COAST OF SOUTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centraid Lacation:
Origin Time 06:17:26.1 0.3
Lat 44.88S 0.03 Lan 80.28W 0.05
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10••17 Nm
T Val= 3.90 Plg= 0 Azm=216
N -0.38 90 180
P -3.52 0 126
Best Double Couple:Mo=3.7•10••17
NP1:Strike=261 Dip=90 Slip=-180
NP2: 351 90 0

13 14 54 14.45 22.082S 179.556W 615km
5.3mb (31 abs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centraid Lacatian:
Origin Time 14:54:17.8 1.4

Lat 22.25S 0.16 Lon 179.32W 0.07
Dep 605.9 4.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.77	44	77
N	-0.20	8	175
P	-1.57	44	273

Best Double Couple:Mo=1.7*10**17
NP1:Strike= 85 Dip= 8 Slip= 180
NP2: 175 90 82

14 01 01 00.40 32.984S 179.340W 33km
5.4mb (16 obs.) 5.3Msz (10 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 43C
Centroid Location:
Origin Time 01:01: 8.4 0.3
Lat 32.85S 0.04 Lon 179.28W 0.03
Dep 42.2 1.8 Half-duration 3.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.13	71	265
N	1.13	7	14
P	-8.26	18	106

Best Double Couple:Mo=7.7*10**17
NP1:Strike=207 Dip=28 Slip= 104
NP2: 11 63 83

14 16 37 22.26 29.681N 113.858W 10km
5.4mb (34 obs.) 5.5Msz (12 obs.)
GULF OF CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 22C
Centroid Location:
Origin Time 16:37:29.1 0.4
Lat 30.12N 0.06 Lon 113.70W 0.06
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.77	0	119
N	-0.26	90	180
P	-1.51	0	29

Best Double Couple:Mo=1.6*10**17
NP1:Strike=164 Dip=90 Slip=-180
NP2: 254 90 0

14 19 22 15.19 6.279S 154.697E 45km
5.8mb (54 obs.) 5.6Msz (19 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=100 Dip=53 Slip= 90
NP2: 280 37 90
Principal Axes:

	Plg=	Azm=
T	82	10
P	8	190

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 7.0±1.3*10**11 Nm
MOMENT TENSOR SOLUTION
Dep 44 No. of sta: 17
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.32	77	200
N	-0.09	2	298
P	-1.23	13	29

Best Double Couple:Mo=1.3*10**18
NP1:Strike=121 Dip=32 Slip= 94
NP2: 297 58 88
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 34C
Centroid Location:
Origin Time 19:22:20.0 0.6
Lat 6.58S 0.05 Lon 154.53E 0.03
Dep 57.8 1.7 Half-duration 3.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	8.84	85	8
N	0.73	2	128
P	-9.57	4	218

Best Double Couple:Mo=9.2*10**17
NP1:Strike=310 Dip=41 Slip= 94
NP2: 126 49 87

14 23 31 23.00 22.336S 112.578W 10km
5.5mb (15 obs.) 5.9Msz (16 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 42C
Centroid Location:
Origin Time 23:31:33.0 0.3
Lat 22.62S 0.02 Lon 113.04W 0.02
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.32	0	97
N	-0.17	90	180
P	-1.15	0	7

Best Double Couple:Mo=1.2*10**18
NP1:Strike=142 Dip=90 Slip=-180
NP2: 232 90 0

15 10 48 11.52 42.097S 171.654E 31km
5.5mb (18 obs.) 5.2Msz (9 obs.)
SOUTH ISLAND, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 10:48:13.6 0.4
Lat 41.90S 0.08 Lon 171.43E 0.10
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.02	82	303
N	0.99	0	213
P	-2.01	8	123

Best Double Couple:Mo=1.5*10**17
NP1:Strike=213 Dip=37 Slip= 90
NP2: 33 53 90

16 01 23 40.44 48.268N 154.328E 39km
6.3mb (109 obs.) 5.7Msz (34 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 50 Dip=78 Slip= 90
NP2: 230 12 90
Principal Axes:

	Plg=	Azm=
T	57	320
P	33	140

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 14 Focal mech. F
Energy 1.4±0.3*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 45C
Centroid Location:
Origin Time 01:23:46.0 0.2
Lat 48.31N 0.03 Lon 154.33E 0.03
Dep 37.7 1.9 Half-duration 4.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.33	77	308
N	0.36	2	208
P	-1.69	13	117

Best Double Couple:Mo=1.5*10**18
NP1:Strike=204 Dip=32 Slip= 86
NP2: 29 58 93

16 03 34 32.62 1.863N 128.152E 134km
5.6mb (50 obs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 20C
Centroid Location:
Origin Time 03:34:37.5 1.3
Lat 2.30N 0.11 Lon 128.14E 0.08
Dep 131.1 3.1 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.28	80	258
N	0.24	6	134
P	-1.53	8	43

Best Double Couple:Mo=1.4*10**17
NP1:Strike=126 Dip=37 Slip= 81
NP2: 318 53 97

17 06 59 12.64 21.189S 169.831E 59km
5.6mb (40 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 44C
Centroid Location:
Origin Time 06:59:19.8 0.3
Lat 21.02S 0.03 Lon 169.46E 0.03
Dep 59.6 1.2 Half-duration 3.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	10.39	10	308
N	-0.85	36	211
P	-9.54	52	51

Best Double Couple:Mo=1.0*10**18
NP1:Strike= 73 Dip=47 Slip= -37
NP2: 190 64 -131

18 02 37 25.12 8.870N 126.480E 24km
6.0mb (97 obs.) 6.6Msz (45 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=355 Dip=68 Slip= 105
NP2: 139 26 57
Principal Axes:

	Plg=	Azm=
T	64	290
P	22	74

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a small left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 5.0±1.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 25 No. of sta: 14
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	3.73	59	238
N	0.04	9	344
P	-3.77	29	79

Best Double Couple:Mo=3.8*10**19
NP1:Strike=194 Dip=18 Slip= 121
NP2: 341 75 81
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 38C M.W.: 18S, 34C
Centroid Location:
Origin Time 02:37:35.1 0.1
Lat 9.15N 0.01 Lon 126.79E 0.01
Dep 27.7 0.6 Half-duration 8.0
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.58	68	280
N	0.01	1	188
P	-1.59	22	98

Best Double Couple:Mo=1.6*10**19
NP1:Strike=186 Dip=23 Slip= 88
NP2: 9 67 91

18 16 15 06.59 19.028S 168.493E 40km
5.7mb (33 obs.) 5.2Msz (10 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 16:15:12.2 0.4
Lat 19.02S 0.06 Lon 168.20E 0.04
Dep 50.4 3.0 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.76	24	115
N	-0.05	49	237
P	-3.72	30	9

Best Double Couple:Mo=3.7*10**17
NP1:Strike=154 Dip=50 Slip=-175
NP2: 61 86 -41

19 13 16 29.95 1.562N 127.093E 130km
5.6mb (42 obs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 13:16:34.2 0.5
Lat 1.75N 0.06 Lon 127.10E 0.06
Dep 129.5 2.4 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.72	44	145
N	0.55	27	25

P -3.26 33 275
Best Double Couple:Mo=3.0*10**17
NP1:Strike=309 Dip=28 Slip= 13
NP2: 208 84 117

19 15 50 07.23 9.173N 126.453E 69km
5.4mb (37 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centraid Lacation:
Origin Time 15:50: 7.0 0.7
Lat 9.38N 0.08 Lon 127.26E 0.07
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**16 Nm
T Val= 10.56 Plg=77 Azm=270
N -1.96 0 1
P -8.60 13 91
Best Double Couple:Mo=9.6*10**16
NP1:Strike=182 Dip=32 Slip= 91
NP2: 1 58 90

20 04 48 07.06 22.626S 113.022W 10km
5.6mb (24 obs.) 5.7Msz (19 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 39C
Centraid Lacation:
Origin Time 04:48:12.3 0.6
Lat 22.95S 0.05 Lon 112.58W 0.03
Dep 15.0 FIX Half-duration 3.3
Principal Axes:
Scale 10**17 Nm
T Val= 6.23 Plg= 0 Azm=123
N 2.24 90 180
P -8.47 0 33
Best Double Couple:Mo=7.3*10**17
NP1:Strike=168 Dip=90 Slip=-180
NP2: 258 90 0

20 11 43 25.70 9.047N 126.551E 38km
5.4mb (31 obs.) 4.9Msz (12 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 11:43:27.9 0.6
Lat 8.99N 0.07 Lon 127.11E 0.06
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 2.03 Plg=74 Azm=221
N 0.10 13 3
P -2.13 10 95
Best Double Couple:Mo=2.1*10**17
NP1:Strike=200 Dip=37 Slip= 112
NP2: 354 56 74

20 21 46 22.52 4.659S 143.256E 91km
5.7mb (34 obs.)
PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 18C
Centroid Location:
Origin Time 21:46:22.1 1.7
Lat 5.07S 0.16 Lon 143.13E 0.06
Dep 105.2 3.8 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.07 Plg= 5 Azm=213
N 1.08 16 122
P -10.15 74 319
Best Double Couple:Mo=9.6*10**16
NP1:Strike=320 Dip=43 Slip= -67
NP2: 109 52 -110

21 02 35 34.05 58.427N 175.450W 20km
6.2mb (100 obs.) 6.5Msz (51 obs.)
BERING SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=279 Dip=70 Slip= -40
NP2: 25 53 -155
Principal Axes:
T Plg=11 Azm=336
P 42 236
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 14 Focal mech. F
Energy 3.9±1.0*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 12 No. of sta: 22
Principal Axes:
Scale 10**18 Nm
T Val= 7.18 Plg= 0 Azm=341
N 0.08 29 71
P -7.26 61 250
Best Double Couple:Mo=7.2*10**18
NP1:Strike= 45 Dip=52 Slip=-128
NP2: 276 52 -52
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 53C M.W.: 7S, 16C
Centroid Location:
Origin Time 02:35:40.3 0.1
Lat 58.43N 0.01 Lon 175.15W 0.03
Dep 15.0 BDY Half-duration 8.0
Principal Axes:
Scale 10**19 Nm
T Val= 1.12 Plg= 0 Azm=182
N -0.06 36 92
P -1.06 54 272
Best Double Couple:Mo=1.1*10**19
NP1:Strike=302 Dip=55 Slip= -45
NP2: 62 55 -135

22 22 06 11.11 3.972S 35.811E 10km
5.3mb (40 obs.) 4.5Msz (9 obs.)
TANZANIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 23C
Centroid Location:
Origin Time 22:06:16.5 1.0
Lat 3.94S 0.14 Lon 35.94E 0.09
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.76 Plg= 1 Azm=102
N -2.29 10 192
P -5.47 80 5
Best Double Couple:Mo=6.6*10**16
NP1:Strike=182 Dip=45 Slip=-104
NP2: 21 47 -76

23 05 55 44.24 8.167N 122.129E 54km
5.0mb (14 obs.) 4.7Msz (9 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 26C
Centroid Location:
Origin Time 05:55:44.2 0.4
Lat 8.55N 0.07 Lon 122.60E 0.09
Dep 16.3 3.5 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 3.77 Plg=50 Azm= 82
N -0.71 12 187
P -3.06 37 286
Best Double Couple:Mo=3.4*10**17
NP1:Strike= 68 Dip=14 Slip= 152
NP2: 185 83 78

23 12 33 23.79 36.270N 70.645E 155km
4.9mb (50 obs.)
HINDU KUSH REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Location:
Origin Time 12:33:24.3 0.5
Lat 35.90N 0.06 Lon 70.48E 0.06
Dep 146.3 2.0 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.44 Plg=50 Azm=171
N 1.00 11 68
P -2.44 38 329
Best Double Couple:Mo=1.9*10**17
NP1:Strike= 8 Dip=12 Slip= 30
NP2: 249 84 101

23 14 59 51.75 49.062S 164.880E 33km
5.0mb (1 obs.)
AUCKLAND ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 25C
Centroid Location:
Origin Time 14:59:52.5 1.1
Lat 49.83S 0.14 Lon 163.92E 0.12
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.53 Plg=44 Azm=190
N -0.09 43 346
P -1.43 12 88
Best Double Couple:Mo=1.5*10**17
NP1:Strike=218 Dip=50 Slip= 153
NP2: 326 70 43

23 19 53 16.10 4.676S 137.708E 22km
5.2mb (19 obs.) 4.6Msz (4 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 31C
Centroid Location:
Origin Time 19:53:22.7 3.4
Lat 4.27S 0.22 Lon 137.93E 0.12
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.35 Plg=70 Azm= 37
N 0.78 8 284
P -6.13 18 191
Best Double Couple:Mo=5.7*10**16
NP1:Strike=268 Dip=28 Slip= 72
NP2: 108 64 99

24 09 36 51.20 22.689S 166.638E 33km
4.9mb (8 obs.) 5.0Msz (6 obs.)
NEW CALEDONIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 28C
Centroid Location:
Origin Time 09:36:46.7 0.7
Lat 22.71S FIX;Lon 166.78E FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.70 Plg=25 Azm=273
N -2.69 51 37
P -6.01 28 169
Best Double Couple:Mo=7.3*10**16
NP1:Strike=312 Dip=51 Slip=-177
NP2: 220 88 -39

24 11 04 15.87 15.125S 173.384W 33km
5.2mb (25 obs.) 5.4Msz (18 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 11:04:20.3 0.5
Lat 15.12S 0.06 Lon 173.25W 0.04
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 4.88 Plg=61 Azm=187
N -0.48 12 298
P -4.41 27 34
Best Double Couple:Mo=4.7*10**17
NP1:Strike=150 Dip=21 Slip= 124
NP2: 294 73 78

25 06 39 04.95 7.388S 128.922E 124km
5.6mb (49 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 32C
Centroid Location:
Origin Time 06:39: 7.3 0.6
Lat 7.41S 0.06 Lon 128.84E 0.04
Dep 114.9 2.3 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.73 Plg=64 Azm= 18
N -0.37 19 151
P -2.35 18 247
Best Double Couple:Mo=2.5*10**17
NP1:Strike= 4 Dip=32 Slip= 128
NP2: 142 65 69

25 14 30 27.62 40.386N 78.959E 21km
5.5mb (82 obs.) 6.1Msz (28 obs.)

SOUTHERN XINJIANG, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 43C
Centroid Location:
Origin Time 14:30:34.6 0.3
Lat 40.34N 0.03 Lon 79.20E 0.03
Dep 15.0 BDY Half-duration 3.7
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.35	84	8
N	-0.04	3	245
P	-1.30	5	155

Best Double Couple:Mo=1.3*10**18
NP1:Strike=242 Dip=40 Slip= 85
NP2: 68 50 94

26 07 25 47.27 40.186N 13.822E 401km
5.5mb (76 obs.)
TYRRHENIAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 40C
Centroid Location:
Origin Time 07:25:46.9 1.3
Lat 39.50N 0.15 Lon 14.01E 0.09
Dep 396.0 4.0 Half-duration 2.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.06	36	73
N	1.24	47	216
P	-11.30	19	328

Best Double Couple:Mo=1.1*10**17
NP1:Strike=104 Dip=49 Slip= 166
NP2: 204 79 42

26 16 14 42.15 49.494S 125.725E 10km
5.0mb (6 obs.) 4.9Msz (2 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 46C
Centroid Location:
Origin Time 16:14:45.9 0.5
Lat 49.79S 0.06 Lon 125.97E 0.09
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.85	16	326
N	-0.43	72	170
P	-1.41	7	58

Best Double Couple:Mo=1.6*10**17
NP1:Strike=103 Dip=74 Slip= 7
NP2: 11 83 164

27 09 25 07.24 22.936S 172.523E 33km
5.3mb (14 obs.) 5.0Msz (4 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 35C
Centroid Location:
Origin Time 09:25:11.7 0.7
Lat 23.04S 0.07 Lon 172.48E 0.04
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.88	63	7
N	-0.44	10	256
P	-2.44	25	162

Best Double Couple:Mo=2.7*10**17
NP1:Strike=230 Dip=22 Slip= 62
NP2: 80 70 101

28 13 30 13.59 20.118S 175.830W 220km
5.6mb (57 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 40C
Centroid Location:
Origin Time 13:30:21.8 0.3
Lat 19.84S 0.03 Lon 175.75W 0.02
Dep 224.6 1.2 Half-duration 2.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.03	51	62
N	-0.54	17	174
P	-4.49	34	276

Best Double Couple:Mo=4.8*10**17
NP1:Strike= 56 Dip=19 Slip= 153
NP2: 172 81 73

Compiled by Pingsheng Chong, Willis S. Jacobs, Christine K. Lovonne, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrove and William H. Schmieder.

NOTE

To be more consistent with usage within this publication and with other publications, including the Earthquake Data Base System, United States Earthquakes, and BSSA Seismological Notes, the symbols for the following agencies have been changed. Effective with this Monthly Listing, the following symbols are now used for hypocenter and magnitude comments:

GM U.S. Geological Survey, Menlo Park, California. [formerly shown by symbol GS]
GS U.S. Geological Survey, National Earthquake Information Service (NEIS), Golden, Colorado. [formerly shown by NEIS or by no symbol at all]

A complete list of all symbols and abbreviations used in this publication can be found in the January and July issues for each year.

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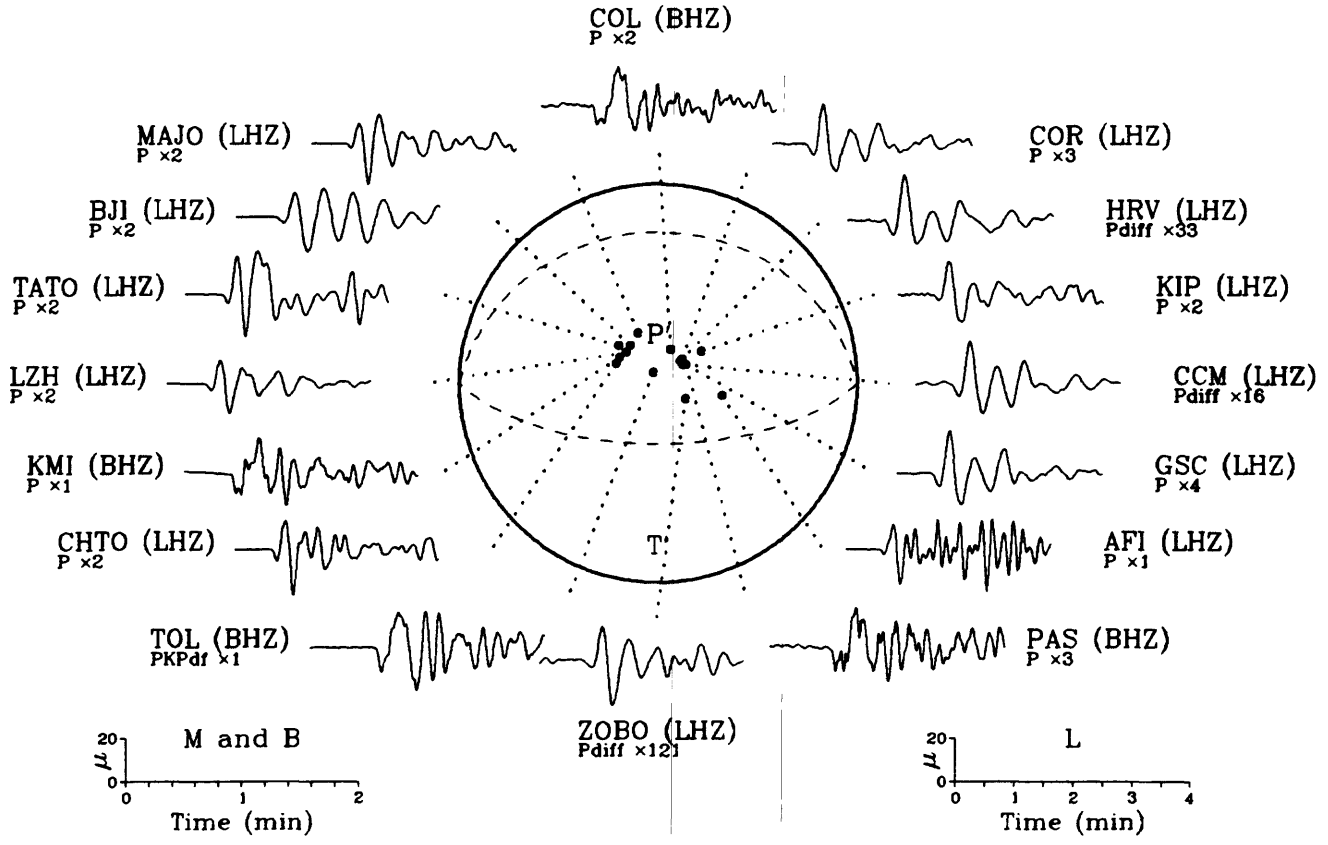
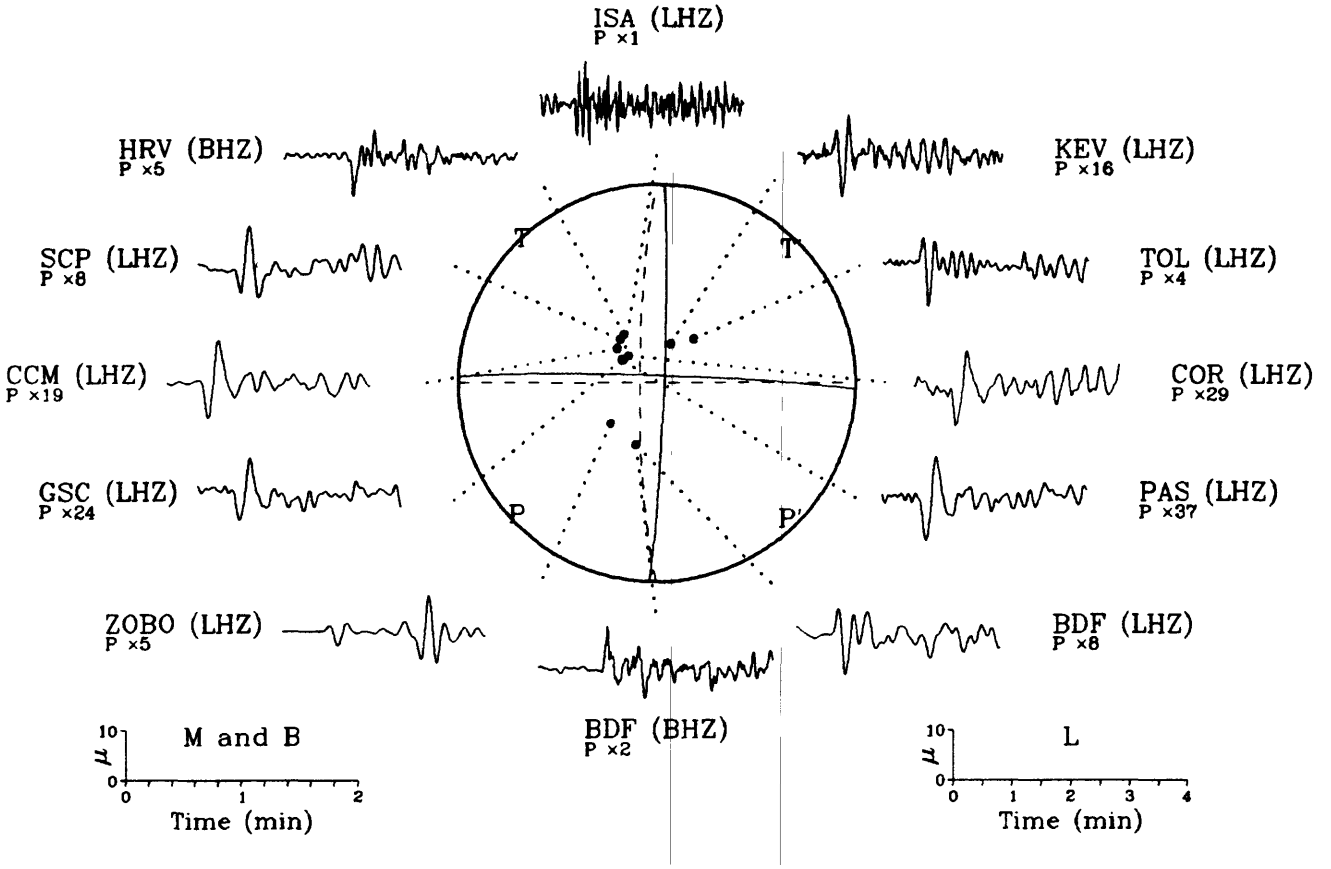
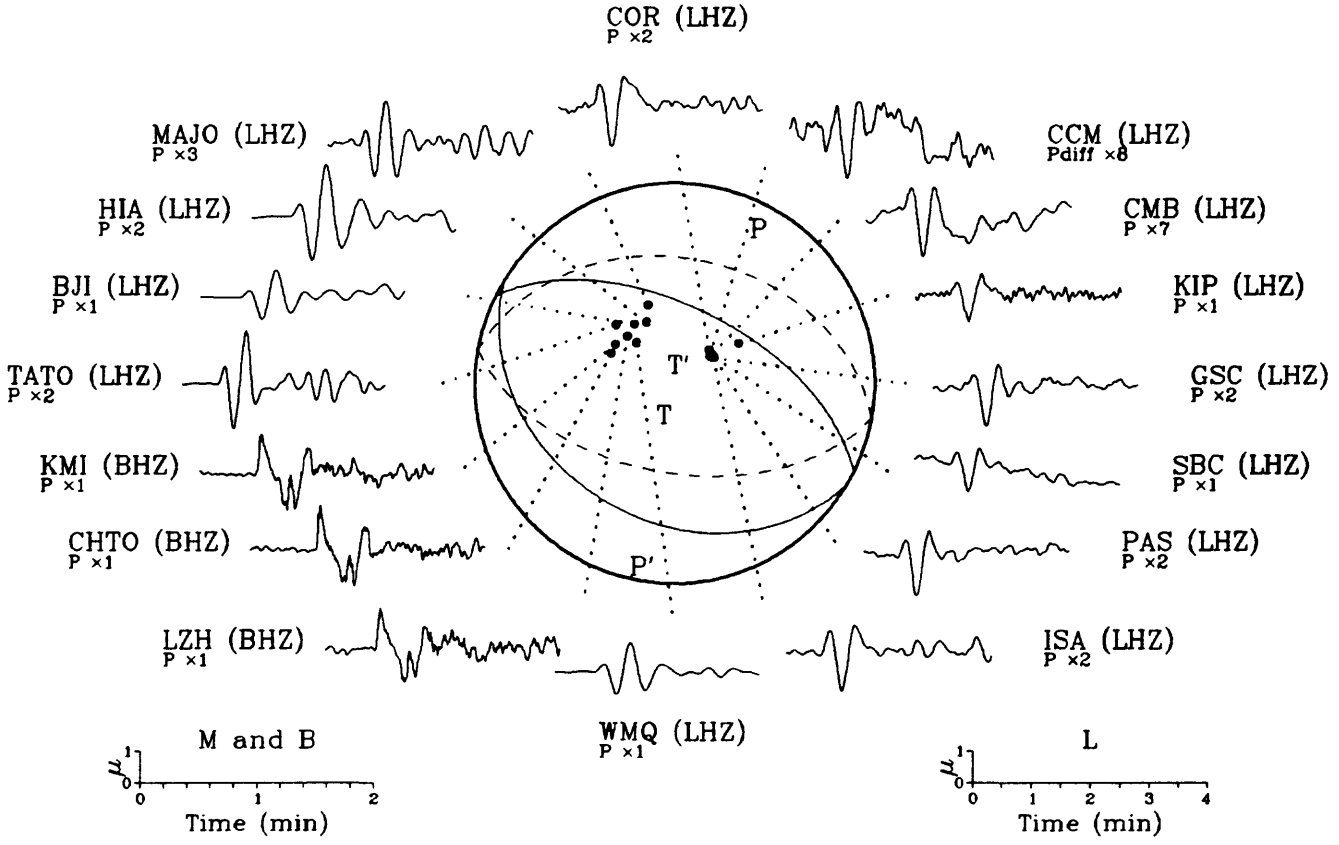
09 February 1991 16:18:58.37
Solomon Islands



10 February 1991 12:42:37.60
Central Mid-Atlantic Ridge



14 February 1991 19:22:15.19
Solomon Islands



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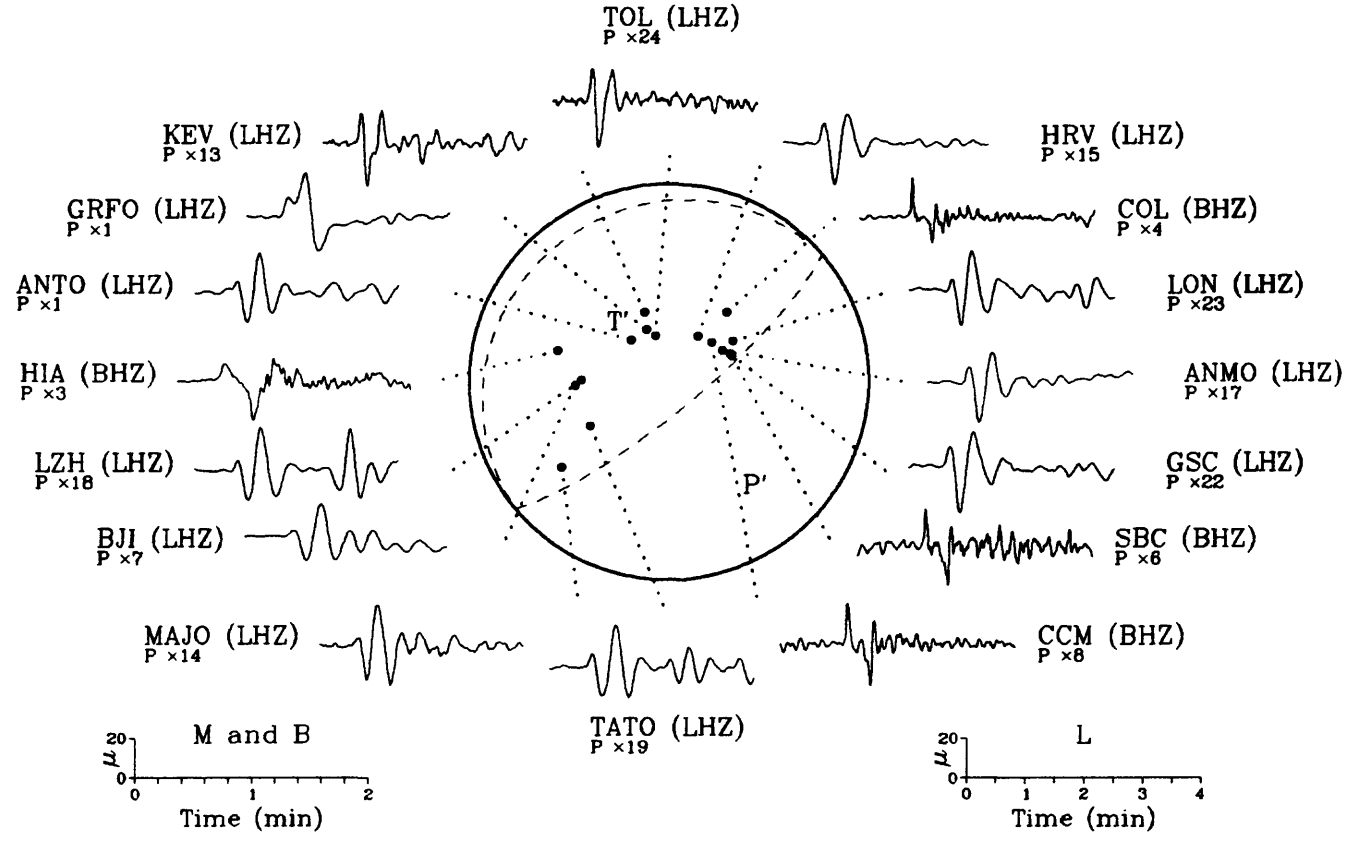
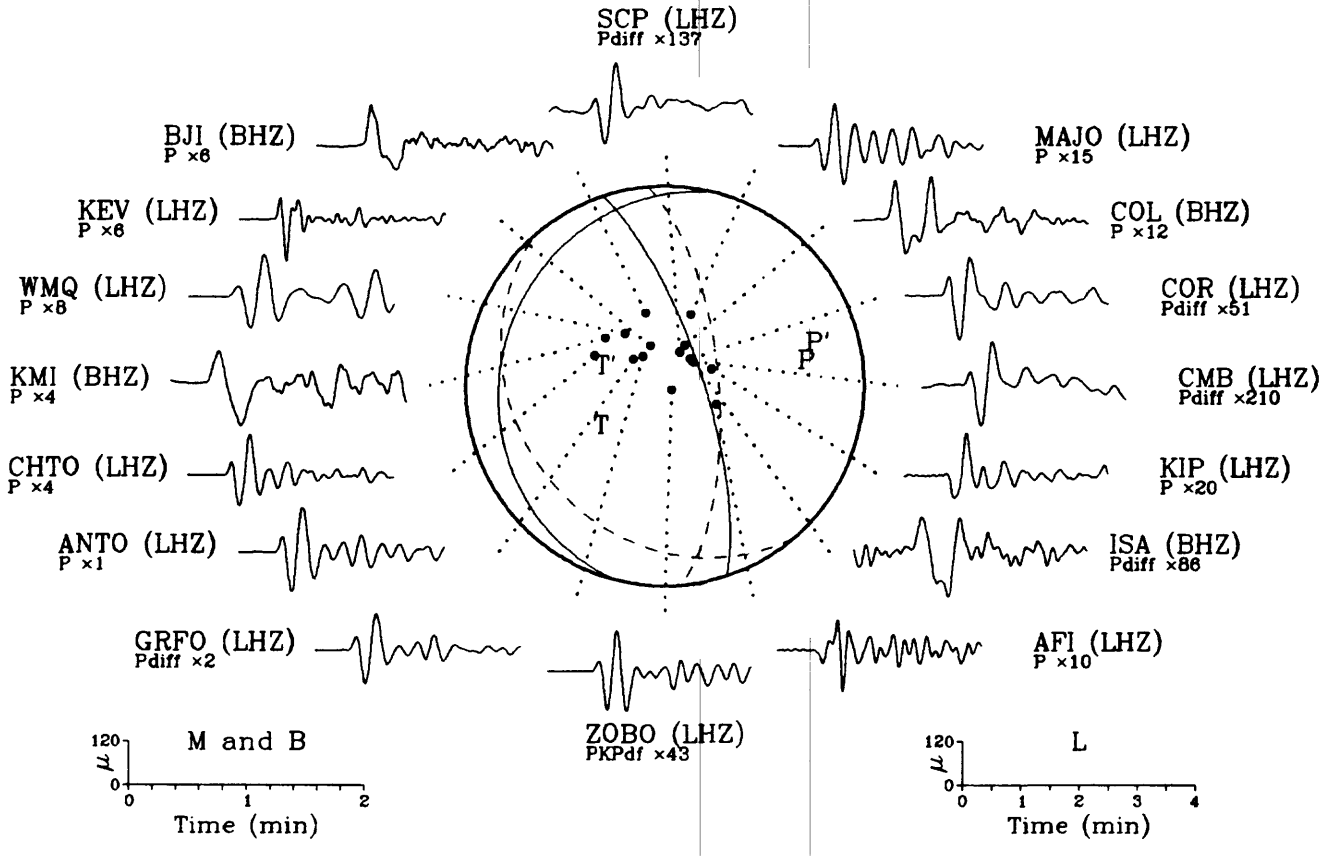
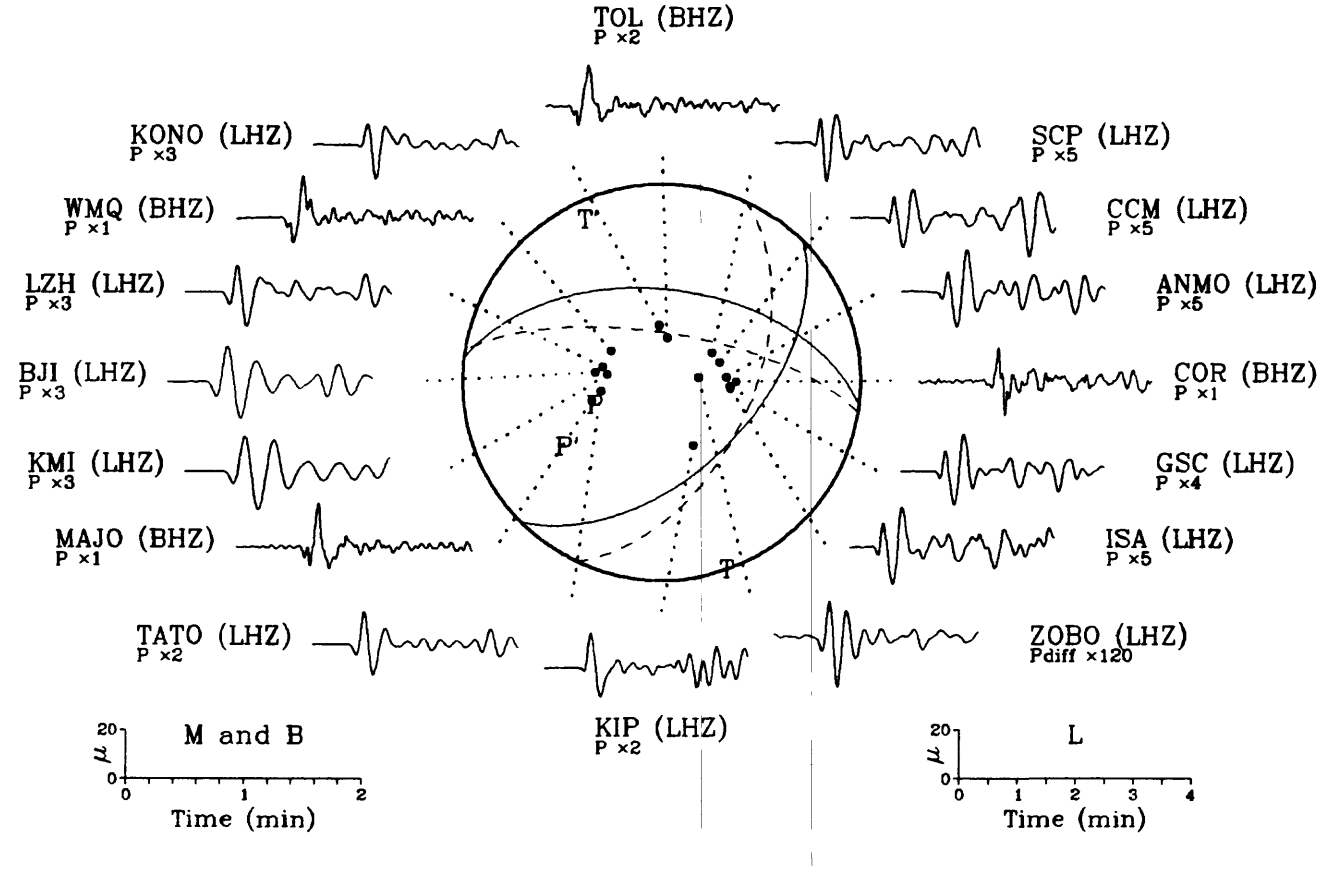
Kuril Islands



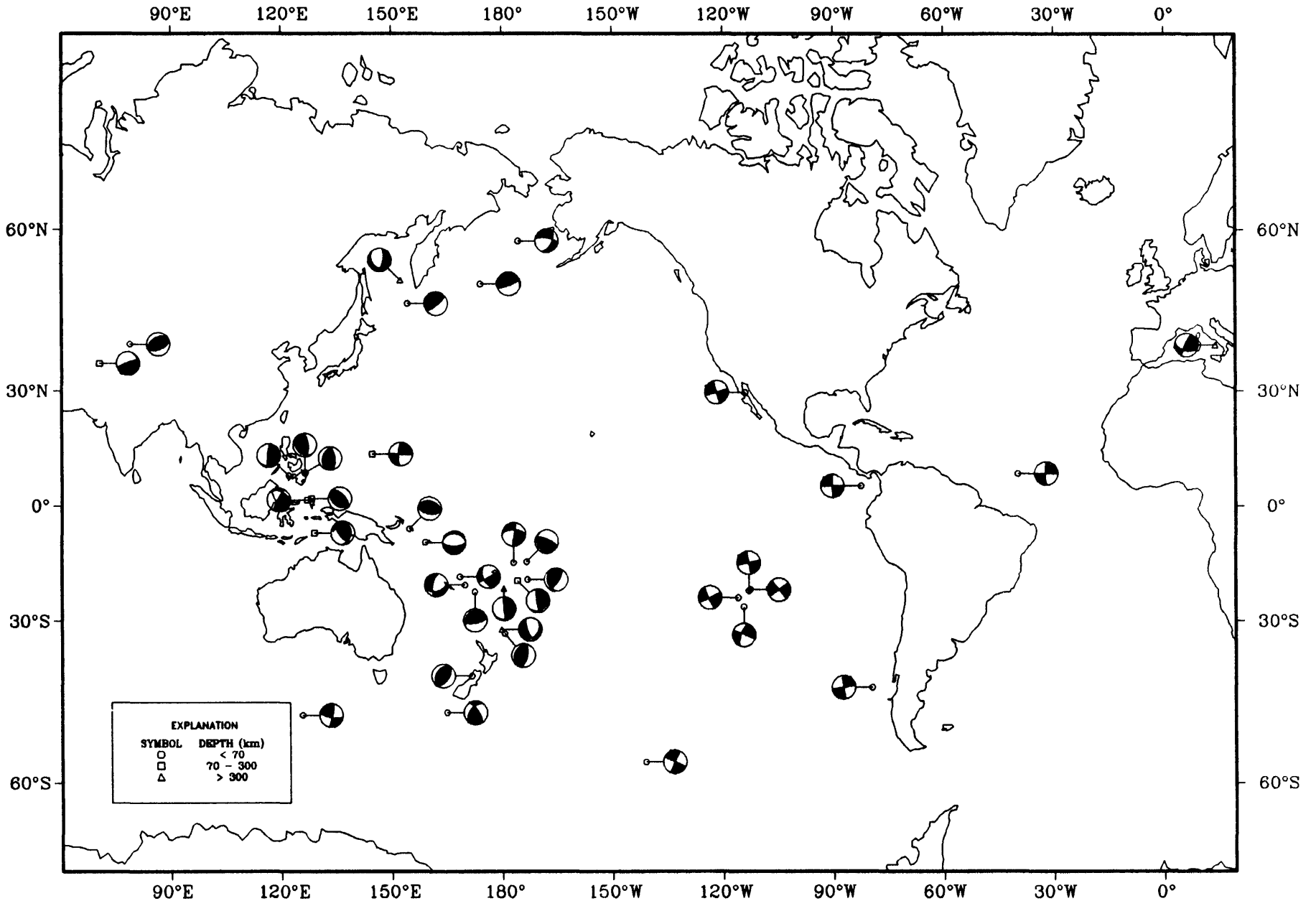
18 February 1991 02:37:25.12
Mindanao, Philippine Islands

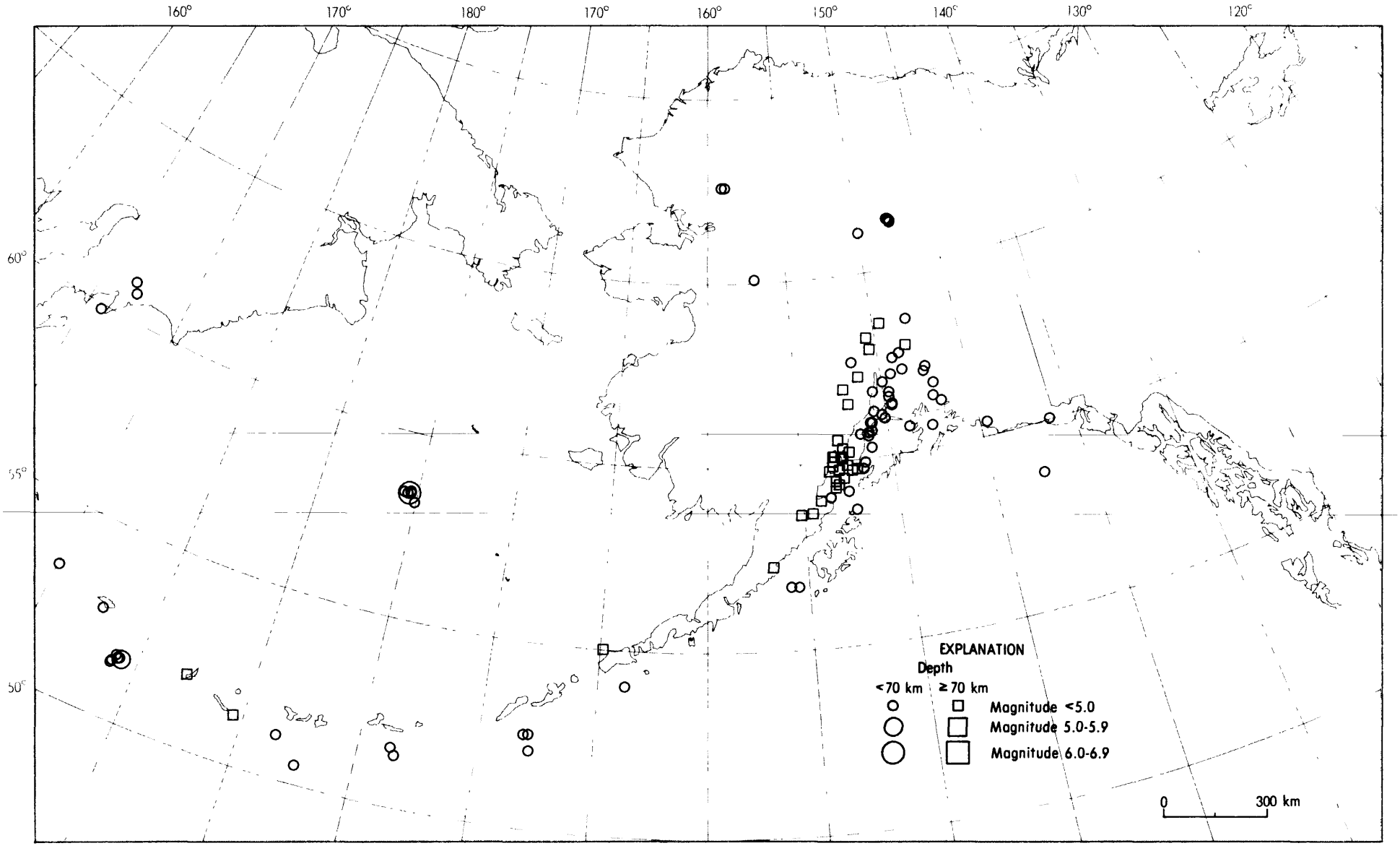


21 February 1991 02:35:34.05
Bering Sea

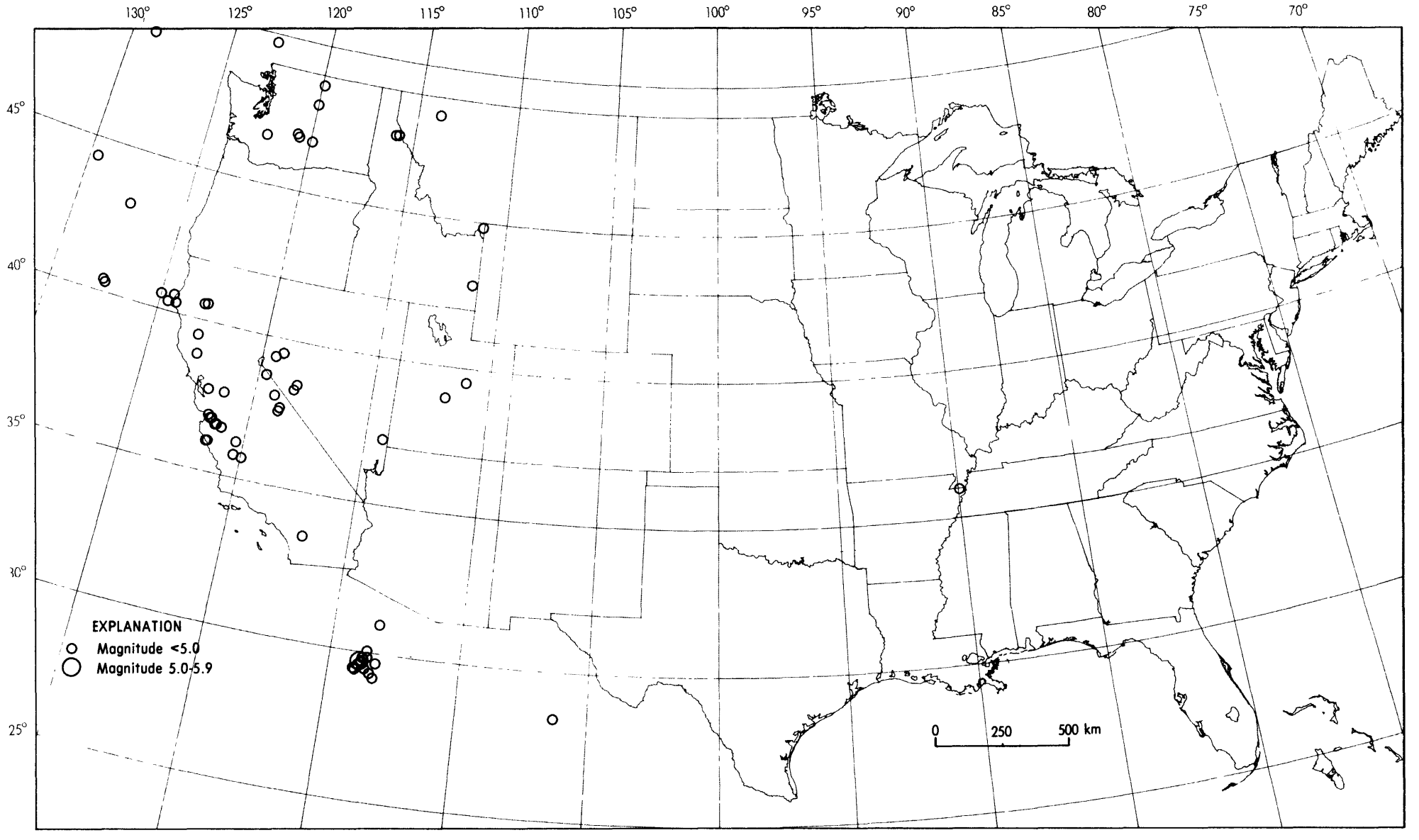


Earthquake Focal Mechanisms for February 1991

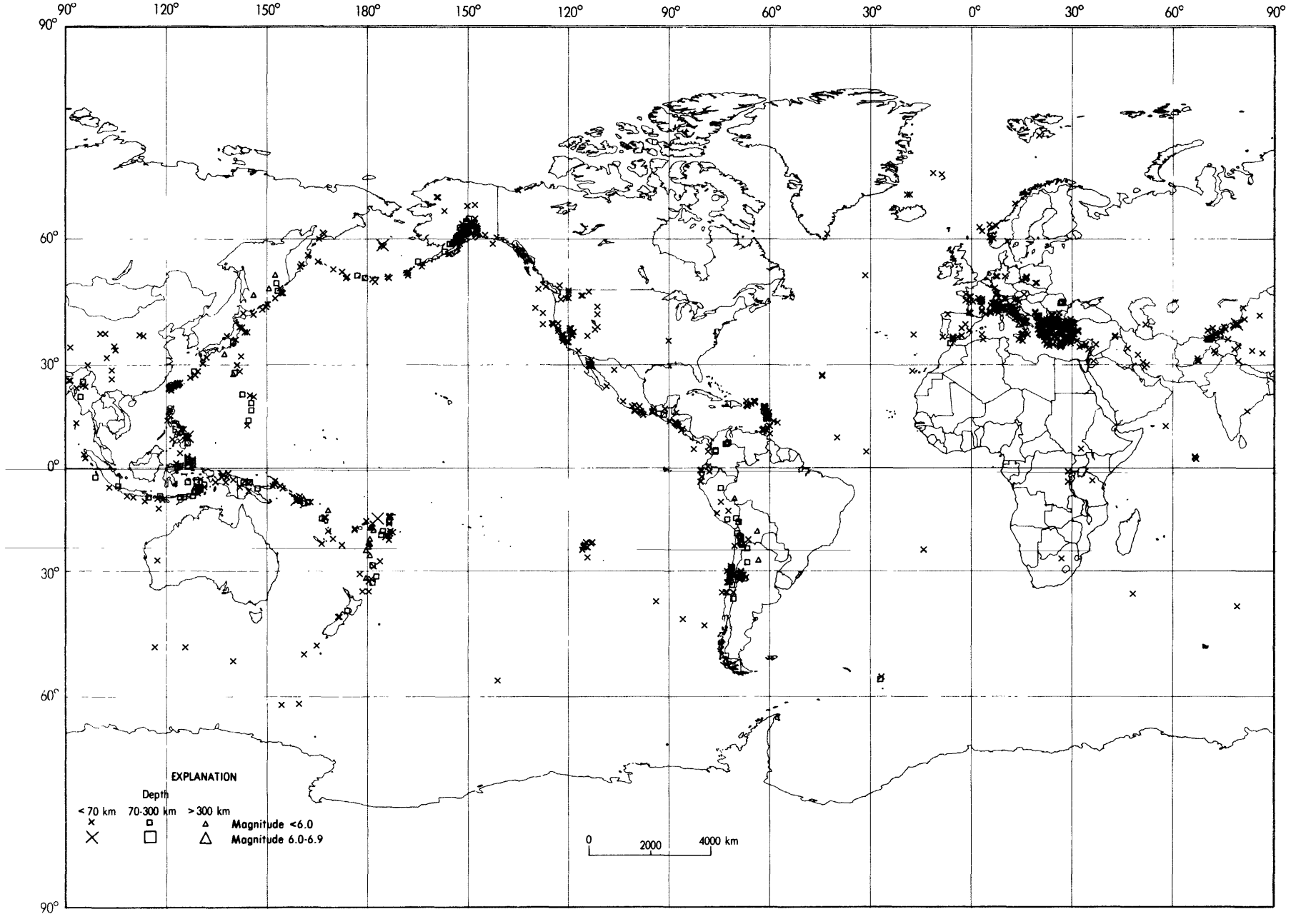




Earthquake epicenters in Alaska and adjacent regions for February, 1991 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for February, 1991 (C. Stover).



Earthquakes located in February, 1991 (C. Stover).

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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

MARCH 1991

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	39	56.4%	39.283	N	29.252	E	10	G			1.3	7	TURKEY
	01	01	03	52.9*	40.220	S	78.559	E	10	G	4.7	5.4	1.1	29	MID-INDIAN RISE
	01	01	43	22.9*	8.771	N	125.651	E	10	G	4.4		0.7	14	MINDANAO, PHILIPPINE ISLANDS
	01	01	57	03.1	72.163	N	126.820	E	19	D	5.2	5.0	0.8	148	CENTRAL SIBERIA. Felt (IV) at Tiksi.
	01	02	11	19.2	43.373	N	13.049	E	10	G			0.8	14	CENTRAL ITALY. MD 3.0 (SSO).
	01	02	41	34.9	44.290	N	6.628	E	10	G			0.5	23	FRANCE. ML 2.5 (GEN). MD 1.8 (STR).
	01	02	44	57.6	43.365	N	13.075	E	10	G			0.4	8	CENTRAL ITALY
	01	05	57	09.4&	62.141	N	149.934	W	50		2.8			79	CENTRAL ALASKA. <AEIC>. Felt (IV) at Skwentna.
	01	06	49	29.4	42.088	N	20.370	E	10	G			1.0	13	YUGOSLAVIA. ML 3.1 (SKO), 2.8 (TTG).
	01	08	52	16.2%	39.286	N	27.676	E	10	G			0.9	5	TURKEY
	01	09	18	00.0%	39.153	N	27.678	E	10	G			1.8	5	TURKEY
	01	09	22	40.7%	42.408	N	13.236	E	10	G			1.5	7	CENTRAL ITALY. MD 2.5 (SSO).
	01	09	23	23.7?	22.79	S	172.28	E	33	N	5.2		1.0	10	LOYALTY ISLANDS REGION
	01	09	48	44.2&	59.706	N	150.718	W	50		3.4			82	KENAI PENINSULA, ALASKA. <AEIC>.
	01	10	14	58.8?	0.30	N	78.35	W	10	G			1.2	6	COLOMBIA-ECUADOR BORDER REGION. MD 3.6 (QUI).
	01	10	28	34.5*	16.283	N	143.515	E	33	N	4.7		0.4	6	MARIANA ISLANDS REGION
	01	10	59	13.4*	11.908	N	141.681	E	47	?	4.5		0.8	14	WEST CAROLINE ISLANDS
	01	11	11	00.3?	38.41	N	21.62	E	10	G			0.9	5	GREECE. MD 3.0 (ATH).
	01	12	07	53.3?	36.56	N	28.82	E	10	G			0.7	5	DODECANESE ISLANDS
	01	12	31	38.4*	5.275	S	151.857	E	75	*	4.7		1.0	18	NEW BRITAIN REGION
	01	12	45	26.0*	6.019	S	145.892	E	62	?	5.1		0.9	25	PAPUA NEW GUINEA
	01	12	51	35.1%	40.832	N	27.698	E	10	G			0.7	6	TURKEY
	01	13	16	50.2*	36.400	N	71.288	E	106	?	4.5		1.3	22	AFGHANISTAN-USSR BORDER REGION
	01	13	36	40.5*	34.990	N	22.401	E	10	G	3.6		0.8	9	MEDITERRANEAN SEA. ML 3.9 (ATH).
	01	13	42	17.3%	16.273	N	61.375	W	10	G			0.3	7	LEEWARD ISLANDS. ML 2.0 (FDF).
	01	14	00	13.6	23.816	N	95.878	E	33	N	4.3		1.3	25	BURMA
	01	14	04	45.2	19.691	S	69.981	W	73	D	5.3		1.0	140	NORTHERN CHILE. Felt (IV) at Tacna and (III) at Arequipa, Peru.
	01	16	39	43.4?	17.78	S	178.87	W	545	?	4.8		1.0	31	FIJI ISLANDS REGION
f	01	17	30	26.0	10.939	N	84.637	W	197	G	6.1		1.1	504	COSTA RICA. MD 6.0 (HDC), 5.7 (SJR), 5.5 (UPA). Felt lightly in the Central Valley and at Guanacaste. Two events about 1.5 seconds apart. Depth from broadband displacement seismograms, based on second event.
	01	17	31	57.1*	7.111	S	129.729	E	133	*	4.9		1.2	15	BANDA SEA
	01	19	20	36.6	40.261	N	25.248	E	14				1.3	10	AEGEAN SEA
	01	19	30	54.1*	33.330	S	179.727	E	33	N	5.1		1.3	18	SOUTH OF KERMADEC ISLANDS
	01	21	08	20.5	2.486	N	126.809	E	69	*	5.1		1.2	43	MOLUCCA PASSAGE
	01	21	30	20.3	42.085	N	21.679	E	10	G			1.5	14	YUGOSLAVIA. ML 3.0 (SKO). MD 3.3 (THE).
	01	21	48	29.8%	37.589	N	2.547	W	10	G			1.0	5	SPAIN. mbLg 2.3 (MDD).
	01	22	51	29.7%	16.263	N	61.352	W	33	N			0.5	6	LEEWARD ISLANDS. ML 2.1 (FDF).
a	01	23	06	36.7	40.305	N	142.264	E	53	D	5.2		0.9	150	NEAR EAST COAST OF HONSHU, JAPAN
	02	00	35	10.9*	40.506	N	23.600	E	10	G			0.7	6	GREECE. MD 2.5 (THE).
	02	00	40	46.3&	43.973	N	127.145	W	5					39	OFF COAST OF OREGON. <SEA>.
	02	01	06	21.1*	19.199	N	120.975	E	32	D	4.5	3.8	1.5	21	PHILIPPINE ISLANDS REGION
	02	01	22	12.4	45.003	N	6.826	E	10	G			1.0	20	FRANCE. ML 2.3 (LDG), 2.2 (GEN).
	02	02	33	01.7%	61.829	N	5.234	E	10	G			1.4	8	SOUTHERN NORWAY. MD 2.3 (BER).
	02	02	58	59.9	49.197	N	151.342	E	304	D	4.7		0.9	80	NORTHWEST OF KURIL ISLANDS
	02	03	15	36.3	40.237	N	25.234	E	10	G			0.9	17	AEGEAN SEA. MD 3.5 (THE), 3.2 (ATH).
	02	03	23	10.0	36.486	N	71.132	E	149	*	4.4		0.9	48	AFGHANISTAN-USSR BORDER REGION
	02	03	29	26.1	9.175	N	126.637	E	86	*	5.0		1.1	43	MINDANAO, PHILIPPINE ISLANDS
	02	03	32	11.9	14.407	N	89.785	W	261	D	4.5		1.0	92	GUATEMALA
	02	04	05	42.7	10.965	S	166.561	E	33	N	5.3		1.0	48	SANTA CRUZ ISLANDS
	02	04	06	31.2?	52.59	N	171.10	W	33	N	4.4		1.3	9	FOX ISLANDS, ALEUTIAN ISLANDS
	02	04	12	41.3	14.008	N	91.382	W	75		4.4		1.3	40	GUATEMALA. Felt (II) at San Salvador, El Salvador.
	02	04	56	37.4	24.091	N	121.807	E	35		4.4		1.3	32	TAIWAN
	02	06	16	41.9*	9.211	N	126.876	E	72	?	4.3		1.1	14	MINDANAO, PHILIPPINE ISLANDS
	02	07	06	52.6*	14.254	N	93.629	W	46	*	4.5		1.1	24	NEAR COAST OF CHIAPAS, MEXICO
	02	07	06	55.7	40.210	N	25.144	E	10	G			1.0	28	AEGEAN SEA. ML 3.7 (ATH).

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	02	08	07	08.9?	9.19	S	124.32	E	84	?	4.4		0.6	5	TIMOR
	02	08	07	53.6%	39.223	N	27.891	E	10	G			0.4	5	TURKEY
	02	08	41	37.4&	40.091	N	109.483	W	1		3.8			16	UTAH. <SLC-P>. ML 3.3 (SLC).
	02	09	06	03.3?	23.98	S	179.89	W	518	?	4.8		1.5	14	SOUTH OF FIJI ISLANDS
	02	10	25	04.8	41.082	N	22.307	E	10	G			0.3	6	YUGOSLAVIA. MD 2.3 (THE). ML 1.3 (SKO).
	02	10	55	20.7	43.986	N	8.723	E	10	G			0.7	27	CORSICA. ML 3.0 (GEN). MD 2.4 (STR).
	02	14	28	18.8%	39.785	N	16.369	E	10	G			0.4	6	SOUTHERN ITALY
	02	14	54	33.4%	44.342	N	11.053	E	10	G			0.6	9	NORTHERN ITALY
	02	15	00	47.7	41.066	N	22.431	E	10	G			0.4	8	YUGOSLAVIA. MD 2.9 (THE). ML 2.3 (SKO).
	02	16	09	53.1*	7.225	N	127.342	E	10	G	4.2		0.7	9	PHILIPPINE ISLANDS REGION
	02	16	34	15.2	5.599	S	103.156	E	42	D	4.9	4.6	0.9	42	SOUTHERN SUMATERA
	02	18	13	18.8	23.924	N	121.733	E	19		5.0		1.0	70	TAIWAN. ML 4.7 (BJI).
	02	19	14	55.8	43.949	N	7.688	E	10	G			0.4	11	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
	02	19	42	09.7*	24.018	N	121.789	E	10	G			1.2	7	TAIWAN
	02	21	17	17.2%	46.626	N	1.082	E	10	G			0.9	8	FRANCE. ML 2.1 (LDG).
	02	21	30	05.6&	58.803	N	152.200	W	53					32	KODIAK ISLAND REGION. <AEIC>.
	02	21	32	39.6*	3.960	S	131.831	E	33	N	4.5		0.9	9	WEST IRIAN REGION
	02	22	20	50.0%	42.077	N	12.820	E	10	G			0.3	13	CENTRAL ITALY
a	02	22	41	10.0*	21.940	S	174.919	W	33	N	5.1	5.1	1.1	28	TONGA ISLANDS
a	02	23	06	03.7	21.996	S	175.031	W	44	D	5.6	5.0	1.1	156	TONGA ISLANDS
	03	00	35	43.8%	42.530	N	13.249	E	10	G			0.4	6	CENTRAL ITALY
	03	02	47	59.7%	43.477	N	12.576	E	10	G			0.8	5	CENTRAL ITALY
	03	03	02	44.5?	38.91	N	23.19	E	5	G			1.0	7	GREECE. MD 2.7 (THE).
	03	03	25	20.5%	42.755	N	12.109	E	10	G			0.5	6	CENTRAL ITALY
	03	04	06	47.0%	42.446	N	19.375	E	10	G			0.7	7	YUGOSLAVIA. ML 1.6 (TTG).
	03	04	19	53.5?	44.37	N	7.36	E	10	G			0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	03	04	23	37.4	42.691	N	13.022	E	10	G			0.6	15	CENTRAL ITALY. MD 2.9 (SSO).
	03	04	36	44.6*	23.879	N	121.914	E	10	G	4.2		1.5	13	TAIWAN
a	03	06	00	16.2*	22.536	S	174.699	W	33	N	5.0	4.8	1.2	21	TONGA ISLANDS REGION
	03	06	12	52.3*	38.551	N	31.336	E	10	G			0.9	6	TURKEY
	03	06	44	22.4?	11.70	N	68.52	W	33	N			1.4	7	NEAR COAST OF VENEZUELA
	03	07	43	21.2*	12.318	S	73.454	W	33	N	3.7		0.9	8	PERU
	03	08	39	26.4	40.623	N	29.017	E	21		4.5		1.1	114	TURKEY. Felt at Istanbul.
	03	08	42	59.5%	40.541	N	29.040	E	10	G			1.0	7	TURKEY
	03	08	44	07.3%	40.645	N	28.992	E	10	G			1.3	9	TURKEY
	03	08	46	43.8%	40.572	N	28.995	E	10	G			0.7	7	TURKEY
	03	08	52	10.2%	40.613	N	29.051	E	10	G			0.5	9	TURKEY
	03	09	09	11.6	40.643	N	29.002	E	10	G			1.1	13	TURKEY
	03	09	34	49.7	40.661	N	28.994	E	10	G			0.9	18	TURKEY
	03	09	34	52.1?	41.32	N	79.32	E	33	N	4.0		0.5	10	KIRGHIZ-XINJIANG BORDER REGION
	03	09	56	29.4&	62.929	N	151.330	W	111					25	CENTRAL ALASKA. <AEIC>.
	03	10	05	42.9*	16.337	N	120.424	E	10	G	4.6		1.0	7	LUZON, PHILIPPINE ISLANDS
	03	10	09	06.6	41.066	N	22.475	E	6				1.3	59	YUGOSLAVIA. ML 4.1 (SKO), 3.8 (ATH), 3.7 (TTG). MD 3.5 (THE). Felt (V) at Gevgelija and Valandovo.
	03	10	11	25.7	16.363	N	120.395	E	10	G	4.1		1.2	11	LUZON, PHILIPPINE ISLANDS
	03	10	56	00.8%	40.633	N	29.053	E	10	G			0.4	9	TURKEY
	03	11	40	46.7%	40.623	N	29.051	E	10	G			1.2	8	TURKEY
	03	12	16	16.0	40.602	N	28.994	E	10	G			0.7	28	TURKEY
	03	12	52	08.7%	40.729	N	28.990	E	10	G			1.0	8	TURKEY
	03	12	59	11.4*	0.265	S	91.250	W	10	G	5.0		1.1	33	GALAPAGOS ISLANDS
	03	13	27	49.8%	16.996	N	99.407	W	10	G			1.0	7	NEAR COAST OF GUERRERO, MEXICO. Felt along the coast of Guerrero.
	03	14	04	27.2	48.507	N	153.324	E	126	*	4.4		0.9	41	KURIL ISLANDS
	03	14	32	10.4	41.576	N	142.473	E	51	D	4.7		1.2	68	HOKKAIDO, JAPAN REGION
	03	14	38	22.0%	40.658	N	29.119	E	10	G			0.3	5	TURKEY
	03	15	12	26.8*	30.699	S	68.652	W	33	N			1.2	6	SAN JUAN PROVINCE, ARGENTINA
	03	15	14	20.3?	13.43	S	72.26	W	33	N	3.7		1.3	6	PERU
f	03	15	20	24.7	21.867	S	175.057	W	16	G	6.0	6.1	1.0	388	TONGA ISLANDS. Mo=2.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	03	15	28	18.9%	40.605	N	29.061	E	10	G			0.5	9	TURKEY
	03	15	44	39.5?	16.34	N	61.52	W	33	N			1.1	7	LEEWARD ISLANDS. ML 3.0 (FDF).
	03	15	54	49.1?	42.21	N	18.36	E	10	G			0.9	4	YUGOSLAVIA. ML 1.9 (TTG).
	03	16	01	45.1?	32.13	S	117.44	E	10	G			1.0	4	WESTERN AUSTRALIA
	03	16	36	28.8*	7.366	S	128.386	E	135	?	4.5		0.8	14	BANDA SEA
	03	17	10	06.9%	40.631	N	29.030	E	10	G			0.7	8	TURKEY
	03	17	40	16.7&	36.325	N	120.933	W	11					18	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK), 3.4 (PAS).
	03	18	05	15.7*	7.862	S	126.249	E	33	N	4.6		1.5	7	BANDA SEA
	03	18	09	01.5	39.173	N	71.640	E	29	D	5.0	4.0	0.9	134	TAJIK SSR. Felt (IV) at Dzhirgatal, (III) at Obigarm and (II) at Khorog.
	03	19	06	25.2&	62.970	N	150.981	W	115					48	CENTRAL ALASKA. <AEIC>.
	03	20	20	16.4	40.634	N	28.978	E	10	G			0.8	21	TURKEY
	03	20	38	48.8&	60.120	N	152.830	W	114					37	SOUTHERN ALASKA. <AEIC>.
	03	22	19	25.9*	3.626	S	139.831	E	33	N	4.7		0.7	10	WEST IRIAN
	03	23	33	21.4	70.650	N	14.952	W	10	G	4.3	3.6	0.9	23	JAN MAYEN ISLAND REGION
	03	23	39	17.2%	39.849	N	28.917	E	10	G			0.7	10	TURKEY
	03	23	49	58.6	34.619	N	70.121	E	27	D	4.6		1.1	48	AFGHANISTAN. Felt at Kobul.
	03	23	52	59.0	40.652	N	15.753	E	10	G			0.8	10	SOUTHERN ITALY
	04	00	42	22.0	51.284	N	179.146	W	45		4.8	4.3	0.8	89	ANDREANOF ISLANDS, ALEUTIAN IS.
	04	01	02	52.1%	40.645	N	29.114	E	10	G			0.3	5	TURKEY
	04	02	06	43.4*	20.561	S	69.562	W	33	N	3.9		0.8	7	NORTHERN CHILE
	04	04	27	01.0*	23.539	N	121.591	E	25		4.3		1.0	10	TAIWAN. ML 3.6 (BJI).
	04	04	48	11.9?	6.26	S	150.67	E	33	N	4.4		1.0	5	NEW BRITAIN REGION
	04	05	08	10.7	44.647	N	12.398	E	11				1.3	35	NORTHERN ITALY. ML 3.2 (VIE), 3.1 (LDG), 3.0 (KBA), 3.0 LJU. MD 2.8 (TRI).
	04	05	43	26.6*	22.999	N	121.340	E	10	G			0.4	5	TAIWAN REGION
	04	05	54	49.8?	7.92	S	77.54	W	10	G	4.5		1.2	8	NORTHERN PERU. Felt (IV) at Chimbote and Trujillo.
	04	06	04	50.0*	35.253	N	3.506	W	33	N			0.3	5	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	04	06	21	50.2%	38.216	N	30.276	E	10	G			1.0	5	TURKEY
	04	06	28	10.4&	62.324	N	152.050	W	9					47	CENTRAL ALASKA. <AEIC>. ML 3.1 (GS). Felt (IV) at Skwentna.
	04	08	03	37.7	45.792	N	16.812	E	10	G			1.2	11	YUGOSLAVIA. ML 3.2 (KBA). MD 3.5 (TRI). Felt at Veliko Trojstvo and Bjelovar.
	04	08	41	51.2	38.298	N	30.214	E	6		4.0		1.0	30	TURKEY

	04	08	53	05.4	38.285	N	30.363	E	5	G			1.3	13	TURKEY
	04	10	04	00.4•	29.830	S	71.680	W	33	N	4.9		1.4	16	NEAR COAST OF CENTRAL CHILE. Felt (IV) at La Serena, Coquimbo, Vicuna and Paihuano.
	04	10	21	36.1•	31.179	S	68.869	W	33	N			1.5	5	SAN JUAN PROVINCE, ARGENTINA
	04	11	02	05.7	38.244	N	30.365	E	10	G			0.7	9	TURKEY
	04	11	44	14.7•	34.812	N	5.622	W	10	G			0.7	8	MOROCCO. MD 4.1 (RBA).
	04	13	14	09.1•	23.179	N	144.238	E	33	N	4.5		1.0	13	VOLCANO ISLANDS REGION
	04	13	39	17.8	35.732	N	137.465	E	249		4.6		1.2	37	HONSHU, JAPAN
	04	16	07	50.9	43.243	N	18.880	E	10	G			0.9	40	YUGOSLAVIA. ML 3.4 (KBA). MD 3.3 (TTG).
	04	16	21	49.0•	32.632	S	69.542	W	28				1.4	13	MENDOZA PROVINCE, ARGENTINA
	04	16	41	25.4?	30.81	N	79.21	E	33	N	3.2		0.4	6	TIBET-INDIA BORDER REGION
	04	17	04	26.8	43.324	N	13.221	E	10	G			0.4	8	CENTRAL ITALY. MD 2.8 (SSO).
	04	17	15	20.3	40.608	N	15.385	E	10	G			1.4	13	SOUTHERN ITALY
	04	21	25	26.7•	42.848	N	12.943	E	10	G			0.5	5	CENTRAL ITALY. MD 2.2 (SSO).
	04	21	33	19.8	41.091	N	22.429	E	10	G			0.6	8	YUGOSLAVIA. MD 3.0 (THE). ML 2.2 (SKO).
	04	22	31	15.7•	15.867	N	93.927	W	104		4.4		0.9	18	NEAR COAST OF CHIAPAS, MEXICO
	04	22	53	38.5?	39.94	N	23.96	E	10	G			0.8	6	AEGEAN SEA. MD 2.9 (THE).
	04	23	11	41.9?	42.47	N	4.30	E	10	G			0.7	7	WESTERN MEDITERRANEAN SEA. ML 2.5 (LDG).
	04	23	57	35.5&	63.784	N	149.059	W	116					59	CENTRAL ALASKA. <AEIC>.
	05	00	20	33.3&	63.066	N	150.863	W	125		2.7			53	CENTRAL ALASKA. <AEIC>.
	05	00	34	54.6•	9.819	N	93.208	E	33	N	4.8		1.3	21	NICOBAR ISLANDS REGION
	05	01	44	51.6?	39.80	N	23.98	E	10	G			0.2	6	AEGEAN SEA. MD 2.8 (THE).
	05	01	49	24.0•	22.687	N	120.588	E	34	•	4.0		1.0	11	TAIWAN
	05	01	56	26.9	41.091	N	22.407	E	10	G			0.3	6	YUGOSLAVIA. ML 2.2 (SKO).
	05	02	03	03.0%	41.142	N	15.166	E	10	G			0.7	6	SOUTHERN ITALY
	05	02	04	24.9	37.016	N	29.455	E	10	G			1.3	8	TURKEY
	05	04	02	51.9	36.975	N	29.423	E	10	G			0.9	6	TURKEY
	05	04	58	42.4	18.348	S	69.146	W	163		4.8		1.1	19	NORTHERN CHILE
	05	06	31	05.6%	42.723	N	19.134	E	10	G			0.5	9	YUGOSLAVIA. ML 1.9 (TTG).
	05	06	59	09.3	40.667	N	19.593	E	10	G	3.9		1.2	77	ALBANIA. ML 3.9 (TTG). MD 4.0 (ATH), 3.8 (THE). Felt (V) at Ballesh. Also felt at Roskovec, Fier, Vlore and Berat.
	05	07	37	16.3?	9.02	N	92.57	E	33	N			0.9	9	NICOBAR ISLANDS REGION
	05	08	40	53.7?	19.58	S	64.25	W	335	•	3.8		1.1	8	SOUTHERN BOLIVIA
	05	08	41	25.8&	45.786	N	122.679	W	20					45	WASHINGTON-OREGON BORDER REGION. <SEA>. CL 3.1 (SEA). Felt (IV) at Kalama and Woodland, Washington. Felt (III) at Ridgefield, Washington. Also felt at Brush Prairie and Vancouver, Washington.
	05	08	44	11.0•	13.528	N	121.774	E	91		3.5		0.6	10	MINDORO, PHILIPPINE ISLANDS
	05	09	10	42.4?	39.14	N	27.60	E	10	G			1.0	4	TURKEY
	05	09	18	01.7	22.996	N	102.196	E	33	N	4.4		1.3	15	YUNNAN PROVINCE, CHINA. ML 5.0 (BJI).
	05	10	29	29.9&	32.400	N	117.170	W	6	G				15	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS). MD 3.5 (ECX). Felt (IV) at Dulzura and Jamul and (III) at Santee, California. Also felt in the Imperial Beach-San Diego area, California.
	05	10	30	04.4	41.282	N	141.763	E	55	•	3.7		1.1	18	HOKKAIDO, JAPAN REGION
	05	11	16	30.4	43.170	N	18.913	E	10	G			1.1	12	YUGOSLAVIA. ML 2.7 (TTG).
	05	11	58	52.6	38.237	N	21.985	E	10	G			1.2	10	GREECE. ML 3.0 (ATH). MD 3.2 (THE).
	05	12	16	41.4•	18.818	N	146.627	E	33	N	4.5		0.8	9	MARIANA ISLANDS
	05	12	51	21.1	40.605	N	29.063	E	10	G			0.6	7	TURKEY
	05	13	11	30.5	38.274	N	21.935	E	10	G			1.2	9	GREECE. ML 3.0 (ATH). MD 3.5 (THE).
	05	13	15	43.8%	42.766	N	19.171	E	10	G			0.2	7	YUGOSLAVIA. ML 1.6 (TTG).
o	05	13	49	06.3	3.231	N	83.343	W	15	G	5.9	5.5	1.0	281	OFF COAST OF CENTRAL AMERICA. Ms 5.2 (PAS). Depth from broadband displacement seismograms.
	05	13	57	28.4	12.855	N	143.323	E	121	•	5.1		1.0	40	SOUTH OF MARIANA ISLANDS
	05	13	59	26.9&	60.955	N	150.934	W	9					43	KENAI PENINSULA, ALASKA. <AEIC>.
	05	14	51	25.4•	7.439	S	128.200	E	140	•	4.9		1.4	14	BANDA SEA
	05	16	07	22.1•	38.067	N	22.160	E	10	G			1.4	5	GREECE
	05	16	12	11.2•	50.792	N	129.212	W	10	G	4.0		1.6	13	VANCOUVER ISLAND REGION
	05	16	31	36.9&	40.713	N	123.753	W	6					10	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	05	17	38	12.0•	38.614	N	26.675	E	10	G			1.1	10	AEGEAN SEA
	05	18	09	33.5	0.350	S	99.324	E	63	D	5.2		0.9	111	SOUTHERN SUMATERA
	05	18	58	26.0•	5.494	S	152.006	E	50	•	4.9		0.3	10	NEW BRITAIN REGION
	05	19	02	38.6	44.765	N	7.234	E	10	G			0.8	13	NORTHERN ITALY. ML 2.3 (GEN).
	05	19	16	15.9	67.157	N	156.679	W	10	G			0.3	15	ALASKA. ML 3.4 (PMR).
	05	20	01	45.2	2.639	N	125.755	E	98	•	5.2		1.0	55	TALAUD ISLANDS
	05	20	11	51.8	31.740	S	71.954	W	66	•	4.9		1.0	20	NEAR COAST OF CENTRAL CHILE
	05	20	17	11.4&	34.443	N	106.867	W	9					13	NEW MEXICO. <SNM>. MD 2.9 (SNM). Felt (III) at La Joya. Also felt at Bernardo.
o	05	22	35	48.1	3.984	S	102.369	E	59	G	5.9		0.9	304	SOUTHERN SUMATERA. One school building and some houses damaged at Bengkulu. Depth from broadband displacement seismograms.
	05	23	19	33.9•	36.830	N	71.474	E	154	?	4.4		0.4	8	AFGHANISTAN-USSR BORDER REGION
	05	23	39	17.4	0.861	S	122.408	E	48	•	4.9	4.3	1.0	25	MINAHASSA PENINSULA
	06	00	04	33.1	31.298	S	68.892	W	114		4.7		1.1	21	SAN JUAN PROVINCE, ARGENTINA
	06	00	29	52.8	10.643	N	94.339	E	33	N	4.8		1.0	34	ANDAMAN ISLANDS REGION
	06	01	17	24.5	37.340	N	15.324	E	25				1.0	16	SICILY. ML 2.8 (ROM). Felt (IV) in the Catania-Siracusa area.
o	06	02	18	12.7	0.275	N	124.717	E	102	D	5.2		1.2	106	MINAHASSA PENINSULA
	06	02	49	01.0	35.417	N	27.282	E	33	N			0.9	17	DODECANESE ISLANDS. MD 3.9 (ATH).
	06	03	19	31.6	37.278	N	15.925	E	24				1.0	17	SICILY. ML 2.6 (ROM). Felt (IV) in the Catania-Siracusa area.
	06	03	22	45.4?	20.99	S	169.35	E	154	?	4.5		1.1	27	VANUATU ISLANDS
	06	04	12	34.6%	44.407	N	7.305	E	10	G			0.2	5	NORTHERN ITALY. ML 1.5 (GEN).
	06	05	26	53.6&	46.282	N	76.874	W	18	G				26	SOUTHERN QUEBEC. <OTT-P>. mbLg 3.9 (OTT). Felt at Blue Sea Lake, Fort-Coulonge and Waltham. Also felt at Chalk River and Pembroke, Ontario.
	06	05	50	52.2	5.496	S	152.038	E	47	•	5.0	4.3	0.7	31	NEW BRITAIN REGION
	06	06	28	43.5	50.959	N	6.098	E	10	G			1.3	8	GERMANY
	06	07	44	58.3?	9.41	N	70.49	W	33	N			1.5	6	VENEZUELA
	06	08	02	42.2	43.832	N	16.634	E	10	G			1.4	27	YUGOSLAVIA. ML 3.5 (TTG), 3.3 (KBA). MD 3.5 (TRI). Felt at Sinj.
	06	08	51	24.9&	34.380	N	119.450	W	6	G				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS). Felt at

														Carpinteria.
	06	10	44	52.0	16.689	N	94.516	W	82	D	4.8	1.0	76	OAXACA, MEXICO. Felt (III) at Oaxaca.
	06	11	10	24.3	8.827	N	122.897	E	50	*	4.5 3.9	1.2	28	MINDANAO, PHILIPPINE ISLANDS
	06	11	33	18.8?	33.40	N	104.35	E	10	G		0.3	4	GANSU PROVINCE, CHINA. ML 3.7 (BJI).
	06	12	37	04.6	44.630	N	8.116	E	10	G		0.5	11	NORTHERN ITALY. ML 2.3 (GEN).
a	06	13	08	02.9*	57.179	S	66.972	W	10	G	4.9 4.5	1.1	22	DRAKE PASSAGE
	06	13	13	18.2&	62.931	N	151.150	W	116				60	CENTRAL ALASKA. <AEIC>.
	06	13	32	42.0*	11.101	S	163.142	E	33	N	4.7 4.6	1.1	17	SOLOMON ISLANDS
	06	14	36	59.0&	34.445	N	106.876	W	8				9	NEW MEXICO. <SNM>. MD 2.5 (SNM).
	06	15	37	44.2?	9.13	S	123.50	E	222	*	4.1	1.0	10	TIMOR
a	06	15	44	25.9	30.515	S	178.589	W	228	D	5.5	1.1	102	KERMADEC ISLANDS
	06	16	04	08.8*	35.874	N	80.955	E	33	N	4.1	0.7	9	KASHMIR-TIBET BORDER REGION
	06	17	33	32.5?	42.32	N	32.64	E	10	G		1.1	7	BLACK SEA
	06	18	19	49.0?	32.79	S	178.61	E	397	?	4.6	0.5	16	SOUTH OF KERMADEC ISLANDS
	06	18	32	39.9	39.066	N	75.580	E	10	G	4.5	1.2	28	SOUTHERN XINJIANG, CHINA
	06	19	26	13.3	7.814	N	81.100	W	38		4.3 3.5	0.9	24	PANAMA. MD 4.5 (UPA). Felt (IV) at Santiago, Ocu, Sona and La Mesa; (III) at San Francisco, Guarare and Macaracas; (I) at Las Tablas and Chitre.
	06	20	19	09.5?	36.71	N	12.63	W	10	G		0.5	6	NORTH ATLANTIC OCEAN. MD 3.7 (RBA).
	06	20	37	40.5	43.427	N	5.432	E	10			1.0	17	NEAR SOUTH COAST OF FRANCE. MD 2.7 (STR).
	06	22	30	38.1	44.458	N	7.233	E	11			0.6	17	NORTHERN ITALY. ML 2.3 (GEN), 2.2 (LDG).
	07	00	50	35.7	4.848	S	137.688	E	33	N	4.2	0.9	12	WEST IRIAN
	07	01	13	56.9	39.931	N	75.712	E	46	*	5.0 4.9	1.1	111	SOUTHERN XINJIANG, CHINA. Felt (III) at Naryn, USSR.
	07	01	28	10.5	20.082	S	134.025	E	5	G	5.2	0.8	44	NORTHERN TERRITORY, AUSTRALIA
	07	03	38	54.1%	44.632	N	2.416	E	10	G		0.8	10	FRANCE. ML 2.3 (LDG).
	07	03	43	39.8?	16.32	N	60.94	W	33	N		0.3	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	07	05	18	22.1&	63.325	N	151.239	W	12				22	CENTRAL ALASKA. <AEIC>.
	07	05	36	28.3	37.537	N	105.537	E	10	G	4.3	1.5	20	NORTHERN CHINA. ML 4.4 (BJI).
	07	06	59	14.2	45.735	N	151.351	E	39	D	5.4 4.5	0.7	161	KURIL ISLANDS
	07	07	47	34.2	40.423	N	26.157	E	10	G		1.0	15	TURKEY
	07	09	44	01.6%	42.756	N	19.285	E	10	G		0.6	6	YUGOSLAVIA. ML 1.4 (TTG).
	07	10	39	11.5*	49.985	N	18 771	E	10	G		1.2	5	CZECHOSLOVAKIA
	07	10	57	33.1	43.242	N	13.860	E	33	N		0.8	32	CENTRAL ITALY. ML 3.8 (LDG). MD 3.2 (TRI), 3.2 (SSO).
	07	10	58	18.4*	8.957	N	126 767	E	63	?	4.7	1.3	20	MINDANAO, PHILIPPINE ISLANDS
	07	11	48	07.1	44.701	N	2 456	E	10	G		1.4	12	FRANCE. ML 2.8 (LDG).
	07	13	40	18.7*	24.563	N	123.177	E	32	*	4.8	1.1	8	SOUTHWESTERN RYUKYU ISLANDS
	07	13	52	21.6%	31.177	S	117.383	E	10	G		0.8	5	WESTERN AUSTRALIA
	07	13	53	47.5%	42.321	N	19.545	E	10	G		0.5	9	YUGOSLAVIA. ML 1.8 (TTG).
	07	14	13	21.4&	20.003	N	155.685	W	33				47	HAWAII. <HVO-P>. ML 4.1 (HVO). Felt (IV) at Ahualoa and (III) at Glenwood, Hilo, Mauna Kea Observatory and Waimea.
	07	14	40	13.4%	59.894	N	8 928	E	6	G		0.7	6	SOUTHERN NORWAY. MD 2.3 (BER).
	07	14	50	54.3	40.915	N	22 987	E	10	G		1.2	5	GREECE. MD 2.7 (BER).
	07	15	18	48.6?	63.65	N	9.09	E	10	G		0.8	4	SOUTHERN NORWAY. MD 2 4 (BER).
	07	15	34	14.8	22.961	N	120 550	E	14		4.1	0.5	9	TAIWAN
	07	16	59	53.1	3.829	S	151 442	E	10	G	4.7 4.5	0.8	24	NEW IRELAND REGION
	07	17	11	21.8	1.019	N	120.115	E	36	D	5.0 3.9	1.2	26	MINAHASSA PENINSULA
	07	17	24	54.2	5.084	S	153.621	E	87		4.8	0.7	28	NEW IRELAND REGION
	07	18	52	40.8	40.726	N	29.877	E	10	G		1.0	14	TURKEY
	07	18	56	52.1&	59.980	N	152.634	W	10*				41	SOUTHERN ALASKA. <AEIC>.
	07	19	28	47.3?	40.68	N	29.89	E	10	G		0.7	5	TURKEY
	07	20	02	12.0	51.812	N	179.541	W	91	D	4.9	1.1	89	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Amchitka.
	07	20	21	56.2	43.401	N	5.446	E	10	G		0.6	15	NEAR SOUTH COAST OF FRANCE. MD 2.8 (STR).
	07	20	58	48.9*	25.031	N	95.337	E	109	?	4.4	1.0	9	BURMA-INDIA BORDER REGION
	07	21	15	41.1	40.989	N	22 435	E	10	G		0.6	9	GREECE. MD 2.2 (THE).
	07	21	53	23.7*	4.329	N	125.551	E	175	*	4.7	1.0	16	TALAUD ISLANDS
	07	22	44	10.2&	58.151	N	142.815	W	10	G	3.2		25	GULF OF ALASKA. <AEIC>.
	08	00	36	38.2%	42.055	N	12.924	E	10	G		0.4	6	CENTRAL ITALY
	08	00	45	04.4	42.417	N	19.803	E	10	G		0.7	9	YUGOSLAVIA. ML 2.0 (TTG).
a	08	01	42	00.3	7.230	N	93.447	E	53	D	5.0	1.1	90	NICOBAR ISLANDS REGION
	08	01	43	26.8%	18.630	N	66.642	W	33	N		0.4	6	PUERTO RICO REGION. Felt at Arecibo.
	08	02	16	03.7%	40.727	N	29.016	E	10	G		0.4	7	TURKEY
	08	02	25	00.3?	21.15	S	169.68	E	60	?	5.0	1.5	11	LOYALTY ISLANDS REGION
	08	02	26	46.3*	33.564	S	14.454	W	10	G	4.9	0.8	20	SOUTH ATLANTIC RIDGE
	08	02	27	28.1%	42.902	N	18.538	E	10	G		0.7	9	YUGOSLAVIA. ML 2.1 (TTG).
	08	03	07	55.0	26.976	N	127.411	E	107		5.0	1.0	79	RYUKYU ISLANDS
	08	03	47	38.1	46.731	N	112.708	W	5	G		0.9	8	MONTANA. ML 3.1 (BUT).
	08	05	08	18.0?	6.69	S	146.15	E	90	?	4.3	0.1	5	EAST PAPUA NEW GUINEA REGION
	08	05	25	43.0	41.995	N	24 289	E	10	G		1.2	16	GREECE-BULGARIA BORDER REGION. MD 3.3 (THE).
	08	06	23	31.7?	17.86	N	122.98	E	33	N	4.7	0.7	5	LUZON, PHILIPPINE ISLANDS. Felt (II RF) in the Callao Caves area.
	08	06	49	50.0&	64.908	N	152.020	W	21				24	CENTRAL ALASKA. <AEIC>.
	08	07	49	32.4*	39.441	N	143.594	E	5	G	4.9	1.5	18	OFF EAST COAST OF HONSHU, JAPAN
	08	07	55	27.7	23.025	S	70 408	W	10	G	4.8	0.9	22	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Mejillones.
	08	08	07	57.0?	16.32	N	60 86	W	33	N		0.2	6	LEEWARD ISLANDS. ML 2.2 (FDF).
	08	08	54	07.3&	60.097	N	152.274	W	76				41	SOUTHERN ALASKA. <AEIC>.
	08	09	02	18.5	60.828	N	167.075	E	10	G	5.3 4.5	1.0	163	EASTERN SIBERIA
	08	09	23	13.1	40.828	N	27.892	E	11		4.5	0.8	48	TURKEY. MD 4.0 (THE), 4.0 (ATH).
	08	09	27	35.5&	34.150	N	116.720	W	11				21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS). Felt (III) at Big Bear City. Also felt at Cathedral City, Morongo Valley and Palm Springs.
	08	09	46	08.7&	61.280	N	152.060	W	107		2.8		68	SOUTHERN ALASKA. <AEIC>.
f	08	11	36	28.4	60.904	N	167.023	E	13	G	6.4 6.6	1.3	492	EASTERN SIBERIA. Ms 6.6 (BRK), 6.4 (PAS). Mo=3.0*10**19 Nm (PPT). Believed to be the largest earthquake ever located in this area. Depth from braadband displacement seismograms.
	08	11	41	02.6	61.029	N	167.003	E	10	G	5.6 5.3	0.8	51	EASTERN SIBERIA
	08	11	54	57.8	60.834	N	167.057	E	10	G	5.9	0.9	385	EASTERN SIBERIA
	08	11	58	12.7	60.682	N	166.937	E	10	G	5.7	1.5	71	EASTERN SIBERIA
	08	12	05	24.6	24.541	S	69.901	W	56	D	5.5	1.0	117	NORTHERN CHILE. Felt (IV) at Antofagasta and (II) at Comar, Maria Elena, Mejillanes and Tocanao.
	08	12	11	03.9	60.854	N	167.046	E	10	G	5.1	1.3	60	EASTERN SIBERIA
	08	12	29	09.6?	61.53	N	166.37	E	10	G	4.9 5.8	0.1	7	EASTERN SIBERIA

	08	13 02 28.2?	36.10	N	27.50	E	10	G			0.6	5	DODECANESE ISLANDS
	08	13 16 46.6	61.127	N	166.607	E	10	G	4.9	5.0	1.0	34	EASTERN SIBERIA
	08	13 41 50.0	61.125	N	166.596	E	10	G	4.9		0.5	18	EASTERN SIBERIA
	08	13 47 12.0*	61.090	N	166.544	E	10	G	4.6		1.2	12	EASTERN SIBERIA
	08	13 50 08.6?	61.02	N	166.92	E	10	G	4.6		0.4	7	EASTERN SIBERIA
	08	13 53 39.8*	60.832	N	166.903	E	10	G	4.7		1.2	20	EASTERN SIBERIA
	08	14 05 31.4*	60.964	N	166.824	E	10	G	4.7		0.6	16	EASTERN SIBERIA
	08	14 14 29.9*	60.905	N	166.859	E	10	G	4.7		1.2	32	EASTERN SIBERIA
	08	14 50 11.9	39.177	N	28.144	E	14				1.2	16	TURKEY
	08	15 44 07.0?	60.88	N	167.00	E	10	G	4.3		0.9	6	EASTERN SIBERIA
	08	16 05 00.6	15.520	N	119.178	E	42		5.1		1.0	55	LUZON, PHILIPPINE ISLANDS
	08	16 28 16.1	40.545	N	29.343	E	10	G			0.5	6	TURKEY
	08	16 40 01.7&	62.379	N	151.251	W	82					38	CENTRAL ALASKA. <AEIC>.
	08	17 40 46.5	35.662	N	0.417	E	10	G	4.0		0.8	16	ALGERIA. mbLg 3.2 (MDD).
	08	17 53 41.9*	60.860	N	166.823	E	10	G	4.5		0.8	12	EASTERN SIBERIA
	08	18 08 40.0?	60.30	N	167.58	E	10	G	4.2		1.5	9	EASTERN SIBERIA
	08	18 22 47.1	60.942	N	166.729	E	10	G	4.9		0.9	57	EASTERN SIBERIA
	08	18 23 23.0*	60.651	N	167.583	E	10	G	4.8		0.6	19	EASTERN SIBERIA
	08	20 06 02.3	60.921	N	167.064	E	10	G	4.7		0.9	39	EASTERN SIBERIA
	08	20 51 23.6*	61.093	N	166.916	E	10	G	4.3		0.4	10	EASTERN SIBERIA
	08	21 02 45.0&	37.104	N	116.074	W	0		4.3			76	SOUTHERN NEVADA. <DOE>. ML 4.6 (BRK). 37° 06' 15.70" N., 116° 04' 26.50" W., Surface Elev. 1281 m., Depth of Burial 333 m., Shot Time 210245.08, "COSO," Nevada Test Site (Dept. of Energy).
	08	21 14 33.0	60.911	N	167.285	E	10	G	5.4	4.4	0.8	160	EASTERN SIBERIA
	08	21 59 38.9*	61.045	N	166.811	E	10	G	4.5		0.9	9	EASTERN SIBERIA
	09	00 15 37.3%	44.779	N	2.357	E	10	G			1.0	6	FRANCE. ML 2.1 (LDG).
	09	00 19 30.6?	61.13	N	166.78	E	10	G	4.2		0.8	7	EASTERN SIBERIA
	09	00 56 48.5?	60.12	N	169.82	E	10	G	5.0		1.3	13	EASTERN SIBERIA
a	09	01 01 23.1	54.877	S	131.533	W	10	G	5.7	5.8	1.0	83	SOUTH PACIFIC CORDILLERA. Ma=3.0*10**18 Nm (PPT).
	09	01 14 21.7	34.875	N	23.827	E	55	*	4.2		1.3	59	CRETE. MD 4.3 (THE), 4.3 (HLW).
	09	01 36 27.7*	30.585	S	121.589	E	10	G	4.8		1.5	14	WESTERN AUSTRALIA. Some damage to older buildings and rock falls in several mineshafts at Kalgoorlie.
	09	02 25 04.2*	7.216	S	129.036	E	127	?	4.8		1.1	18	BANDA SEA
a	09	04 19 00.9	13.388	N	145.486	E	59	*	5.1	4.8	1.2	94	MARIANA ISLANDS
	09	04 24 20.3*	29.929	S	179.134	W	330	*	4.8		1.3	31	KERMADEC ISLANDS REGION
	09	06 38 02.3&	58.547	N	143.576	W	10	G	3.2			20	GULF OF ALASKA. <AEIC>.
	09	06 39 55.7?	19.10	N	66.64	W	10	G			0.3	5	PUERTO RICO REGION
	09	08 12 07.6	6.909	N	73.106	W	159	*	4.7		1.3	18	NORTHERN COLOMBIA
	09	08 26 44.1	60.958	N	166.827	E	10	G	4.8	4.0	0.6	32	EASTERN SIBERIA
	09	10 57 22.5*	56.079	S	27.360	W	33	N	4.9		1.0	14	SOUTH SANDWICH ISLANDS REGION
	09	11 43 20.7*	30.424	S	71.113	W	10	G			1.2	8	NEAR COAST OF CENTRAL CHILE
	09	11 45 23.9?	29.11	S	72.43	W	33	N			0.7	9	OFF COAST OF CENTRAL CHILE
	09	12 41 04.0	41.207	N	23.147	E	10	G			0.7	10	GREECE-BULGARIA BORDER REGION. MD 2.8 (THE).
	09	12 42 48.0%	39.230	N	27.825	E	10	G			1.5	5	TURKEY
	09	13 15 16.2	39.844	N	23.335	E	0	G			1.4	9	AEGEAN SEA. MD 2.8 (THE).
	09	14 02 33.1%	43.873	N	5.987	W	10	G			1.2	5	SPAIN. mbLg 3.0 (MDD).
	09	14 43 01.4	37.281	N	15.312	E	10	G			0.3	7	SICILY
	09	15 54 55.8*	1.009	N	124.037	E	93	?	4.6		1.2	13	MINAHASSA PENINSULA
	09	16 07 09.3*	49.284	N	128.980	W	10	G	3.8		0.7	26	VANCOUVER ISLAND REGION
	09	16 13 08.5&	59.907	N	152.368	W	74					49	SOUTHERN ALASKA. <AEIC>.
	09	16 46 53.9%	37.655	N	3.518	W	10	G			1.0	5	SPAIN. mbLg 2.4 (MDD).
	09	16 48 35.7&	60.938	N	150.753	W	41					39	KENAI PENINSULA, ALASKA. <AEIC>.
	09	17 26 20.9	43.341	N	12.845	E	39	?			0.4	7	CENTRAL ITALY. MD 2.7 (SSO).
	09	17 31 03.3?	39.23	S	78.56	E	10	G	4.6		1.4	9	MID-INDIAN RISE
	09	17 58 01.8&	60.578	N	153.111	W	145					37	SOUTHERN ALASKA. <AEIC>.
	09	17 59 38.0%	42.824	N	12.779	E	10	G			0.8	6	CENTRAL ITALY
	09	18 28 05.0&	61.064	N	148.173	W	6					47	SOUTHERN ALASKA. <AEIC>.
	09	18 30 02.5	41.106	N	22.438	E	10	G			0.4	6	YUGOSLAVIA. ML 2.1 (SKO). MD 2.3 (THE).
	09	18 31 39.8	42.406	N	19.851	E	9		3.7		1.3	73	YUGOSLAVIA. ML 3.8 (TTG). MD 3.9 (THE), 3.8 (ATH)
	09	19 07 27.6?	0.47	S	79.27	W	33	N			0.8	7	ECUADOR
	09	20 48 41.7*	36.459	N	70.927	E	221	?	4.1		0.5	13	HINDU KUSH REGION
	09	22 15 42.8*	23.795	N	120.879	E	33	N			1.3	8	TAIWAN
	09	23 24 57.8&	59.631	N	151.633	W	48					31	KENAI PENINSULA, ALASKA. <AEIC>.
	10	00 15 39.5%	40.921	N	28.385	E	10	G			0.4	6	TURKEY
	10	00 53 46.9	26.667	N	127.108	E	113		4.7		0.9	72	RYUKYU ISLANDS
	10	00 53 47.7	31.804	N	50.184	E	37	*	4.7	3.9	1.1	60	IRAN
a	10	00 59 46.9	21.856	S	179.315	W	613		5.4		0.9	240	FIJI ISLANDS REGION
	10	02 13 30.4?	40.07	N	19.25	E	10	G			0.8	8	ALBANIA. MD 3.1 (ATH).
	10	02 19 29.0&	60.921	N	147.021	W	2					9	SOUTHERN ALASKA. <AEIC>.
	10	03 01 01.3	41.430	N	29.418	W	10	G	4.9	4.3	0.8	88	AZORES ISLANDS REGION
	10	03 13 10.4	38.688	N	21.808	E	10	G			0.6	12	GREECE. ML 3.1 (ATH). MD 3.2 (THE).
	10	03 26 13.9%	42.041	N	13.605	E	10	G			1.0	5	CENTRAL ITALY
	10	03 41 02.9&	45.551	N	126.735	W	3					27	OFF COAST OF OREGON <SEA>.
o	10	03 53 43.6	3.792	S	144.396	E	26	D	5.1	5.2	1.1	106	NEAR N COAST OF PAPUA NEW GUINEA. Ma=6.0*10**17 Nm (PPT).
	10	04 00 32.6*	3.872	S	144.365	E	69	?	5.0		1.5	27	NEAR N COAST OF PAPUA NEW GUINEA
	10	05 38 03.6%	43.106	N	11.440	E	10	G			0.4	6	CENTRAL ITALY
	10	05 55 36.6	46.564	N	14.205	E	10	G			1.1	9	YUGOSLAVIA. ML 2.8 (KBA). Felt (IV) at St. Veit, Austria.
	10	06 04 45.9&	59.977	N	153.142	W	127		3.9			52	SOUTHERN ALASKA. <AEIC>.
	10	06 18 33.7%	43.415	N	5.430	E	10	G			0.4	7	NEAR SOUTH COAST OF FRANCE. MD 2.7 (STR).
	10	06 37 55.9?	61.04	N	166.53	E	10	G	4.2		1.5	6	EASTERN SIBERIA
	10	06 53 17.1?	61.01	N	166.94	E	10	G	4.1		1.2	5	EASTERN SIBERIA
	10	07 03 18.9&	61.557	N	146.762	W	21					50	SOUTHERN ALASKA. <AEIC>.
	10	08 14 57.7?	51.28	N	19.91	E	10	G			1.5	5	POLAND. ML 2.7 (KRA).
	10	11 26 51.3?	21.99	S	68.53	W	107	?	4.1		1.3	5	CHILE-BOLIVIA BORDER REGION
	10	11 33 19.4*	42.776	N	18.283	E	10	G			1.3	6	YUGOSLAVIA. ML 2.2 (TTG).
	10	11 43 33.8%	41.670	N	13.816	E	10	G			0.8	6	SOUTHERN ITALY
	10	11 52 20.2*	61.061	N	166.793	E	10	G	4.4		0.6	10	EASTERN SIBERIA
	10	12 26 45.2	60.923	N	167.248	E	10	G	5.2	4.7	0.9	155	EASTERN SIBERIA
	10	12 28 27.0	4.613	N	76.685	W	90		5.0		0.9	117	COLOMBIA. Felt at Puerto Boyaca, Medellin, Bagota, Manizales and Cali.

	10	12	41	40.7&	60.821	N	146.895	W	22				50	SOUTHERN ALASKA. <AEIC>.
	10	12	47	31.0?	39.85	N	75.99	E	33	N	4.1	1.2	12	SOUTHERN XINJIANG, CHINA
	10	12	59	36.6	41.020	N	22.164	E	10	G		0.3	7	YUGOSLAVIA. MD 2.6 (THE).
	10	13	07	44.2*	39.939	N	23.388	E	10	G		1.4	8	AEGEAN SEA
	10	13	13	38.5	39.907	N	23.338	E	10	G		1.2	16	AEGEAN SEA. ML 3.3 (ATH). MD 3.5 (THE).
	10	13	30	59.7	60.853	N	167.003	E	10	G	4.9	1.0	88	EASTERN SIBERIA
	10	14	29	14.4	44.911	N	6.780	E	10	G		0.8	20	FRANCE. ML 2.5 (GEN), 2.4 (LDG).
	10	14	42	06.3*	6.452	S	129.899	E	139	?	5.0	1.3	17	BANDA SEA
	10	16	47	13.7	34.029	N	99.568	E	10	G	4.9	1.1	36	QINGHAI PROVINCE, CHINA. ML 4.7 (BJI).
	10	17	30	19.5*	33.771	N	135.554	E	424	*	3.6	0.5	10	NEAR S. COAST OF SOUTHERN HONSHU
	10	17	46	01.1&	37.723	N	121.748	W	16				23	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=1.7*10**15 Nm (BRK). Felt (IV) at Berkeley, Saratoga and South San Francisco; (III) at Livermore, Pacifico, San Lorenzo, San Mateo and Santa Clara.
	10	17	48	37.7&	37.722	N	121.763	W	15				8	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	10	17	52	51.2	40.676	N	22.397	E	10	G		0.6	10	GREECE. MD 2.7 (THE).
	10	18	16	14.7*	13.154	N	145.850	E	33	N	4.0	1.2	12	MARIANA ISLANDS
	10	20	35	36.6?	1.83	N	126.48	E	33	N	4.9	0.5	12	MOLUCCA PASSAGE
	10	20	59	03.9*	60.953	N	166.980	E	10	G	4.4	0.5	7	EASTERN SIBERIA
	10	21	38	47.5	37.110	N	115.232	W	5	G	3.7	0.8	28	SOUTHERN NEVADA. ML 4.0 (BRK).
	10	22	08	37.2	43.930	N	7.454	E	10	G		0.6	11	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
	10	22	14	54.0&	36.875	N	121.637	W	8				11	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	10	23	52	08.2	43.092	N	18.971	E	10	G		1.1	14	YUGOSLAVIA. ML 2.8 (TTG).
	11	00	23	33.9*	17.639	S	172.563	W	33	N	5.1 4.9	1.2	39	TONGA ISLANDS REGION
	11	01	44	56.7*	9.499	S	115.639	E	33	N	5.4	1.5	15	SOUTH OF BALI ISLAND
	11	02	12	53.2*	14.657	N	60.597	W	108			0.2	12	WINDWARD ISLANDS. MD 3.3 (TRN).
	11	03	16	45.1%	39.598	N	28.219	E	10	G		1.0	5	TURKEY
	11	03	18	09.5?	40.87	N	23.82	E	10	G		0.5	4	GREECE. MD 2.0 (THE).
	11	03	28	40.7&	37.667	N	118.883	W	5				8	CALIFORNIA-NEVADA BORDER REGION. <GM>. MD 3.1 (GM).
	11	05	18	37.8	60.762	N	167.023	E	33	N	4.7	0.6	43	EASTERN SIBERIA
	11	05	21	40.1?	46.12	N	7.36	E	10	G		0.1	4	SWITZERLAND. MD 2.4 (STR). ML 2.4 (LDG).
	11	05	43	49.9&	60.950	N	150.758	W	17				37	KENAI PENINSULA, ALASKA. <AEIC>.
	11	05	48	51.0*	51.177	N	176.572	W	33	N	4.1	1.1	17	ANDREANOF ISLANDS, ALEUTIAN IS.
	11	05	54	15.8&	64.854	N	149.160	W	16		3.7		76	CENTRAL ALASKA. <AEIC>. ML 4.3 (PMR). Felt (IV) at Ester, Fairbanks and Nenana; (III) at Manley Hot Springs and North Pole.
	11	05	57	19.4&	64.807	N	149.073	W	16				14	CENTRAL ALASKA. <AEIC>.
	11	06	04	26.9?	32.76	S	68.14	W	33	N		0.9	10	MENDOZA PROVINCE, ARGENTINA
	11	06	16	34.8	51.067	N	179.164	W	57		4.9 4.6	0.9	113	ANDREANOF ISLANDS, ALEUTIAN IS.
o	11	06	28	44.1	9.030	S	157.369	E	28	D	5.4 4.7	1.2	84	SOLOMON ISLANDS
	11	07	15	21.7&	63.210	N	150.476	W	123				62	CENTRAL ALASKA. <AEIC>.
	11	07	38	50.0?	15.90	N	60.68	W	10	G		0.3	6	LEEWARD ISLANDS. ML 2.4 (FDF).
	11	07	54	34.7*	24.151	N	95.923	E	33	N	3.9	0.6	8	BURMA
	11	07	56	08.5%	42.853	N	12.685	E	10	G		0.3	5	CENTRAL ITALY. MD 2.7 (SSO).
	11	08	43	30.6*	23.994	S	67.619	W	129	?	3.9	0.6	7	CHILE-ARGENTINA BORDER REGION
	11	08	47	02.2	43.000	N	18.721	E	5	G		0.4	10	YUGOSLAVIA. ML 2.2 (TTG).
	11	09	09	34.4	49.023	N	155.675	E	33	N	4.9	0.7	74	KURIL ISLANDS
	11	09	57	22.8&	64.017	N	148.143	W	104				45	CENTRAL ALASKA. <AEIC>.
	11	10	07	59.7&	60.818	N	150.306	W	33				42	KENAI PENINSULA, ALASKA. <AEIC>.
	11	10	12	32.3?	31.23	S	69.08	W	100	G		0.3	5	SAN JUAN PROVINCE, ARGENTINA
	11	10	26	41.5&	63.511	N	150.669	W	16				54	CENTRAL ALASKA. <AEIC>. ML 3.8 (PMR).
	11	10	42	31.2%	40.091	N	27.770	E	10	G		0.1	5	TURKEY
	11	11	22	35.4	44.208	N	10.450	E	11			1.0	46	NORTHERN ITALY. ML 3.2 (LDG), 2.7 (GEN). MD 2.7 (ROM).
	11	13	50	52.0&	60.018	N	153.614	W	148				35	SOUTHERN ALASKA. <AEIC>.
	11	15	33	46.4	60.883	N	166.778	E	33	N	4.7	0.9	47	EASTERN SIBERIA
	11	16	17	29.6	44.231	N	7.077	E	10	G		0.4	15	NORTHERN ITALY. ML 2.6 (LDG).
	11	17	00	57.6	60.835	N	166.771	E	33	N	4.8	1.0	56	EASTERN SIBERIA
	11	17	51	21.2?	47.37	N	153.82	E	33	N	4.5	0.7	11	KURIL ISLANDS
	11	18	32	08.7?	59.37	N	153.43	W	116	?	3.2	1.4	6	SOUTHERN ALASKA
a	11	18	33	43.1	37.009	N	30.989	E	113		5.1	1.0	341	TURKEY. MD 4.9 (HLW). Felt at Afyon, Antalya, Burdur and Isparta.
	11	19	01	09.3%	42.411	N	19.819	E	10	G		0.4	9	YUGOSLAVIA. MD 2.0 (TTG).
	11	19	02	53.4?	61.24	N	166.91	E	33	N	3.7	1.4	5	EASTERN SIBERIA
	11	19	15	08.7	41.734	N	22.894	E	5	G		1.4	12	YUGOSLAVIA. MD 2.8 (THE).
	11	19	15	46.1&	36.530	N	121.138	W	7				16	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	11	19	21	15.5*	41.737	N	22.903	E	5	G		0.3	5	YUGOSLAVIA. ML 1.3 (SKO).
	11	19	46	48.0	60.490	N	166.948	E	21	D	4.9	1.1	69	EASTERN SIBERIA
	11	20	20	51.1	1.866	N	125.792	E	33	N	4.8	0.9	17	MOLUCCA PASSAGE
	11	21	09	04.5	57.329	N	9.512	E	10	G		0.7	8	DENMARK. MD 3.3 (BER).
a	11	21	15	56.4	51.154	S	29.255	E	10	G	5.8 6.3	1.2	236	SOUTH OF AFRICA. Mo=6.0*10**18 Nm (PPT).
	11	21	42	03.8?	33.40	N	142.00	E	33	N	4.0	1.5	5	OFF EAST COAST OF HONSHU, JAPAN
	11	23	27	17.1*	33.171	N	142.106	E	33	N	4.3	0.5	5	OFF EAST COAST OF HONSHU, JAPAN
	12	00	00	10.1	51.647	N	16.295	E	10	G		0.5	12	POLAND. ML 3.3 (GRF), 3.2 (VKA).
	12	01	50	24.3?	6.81	S	147.38	E	83	*	4.5	0.9	7	EAST PAPUA NEW GUINEA REGION
	12	03	24	45.3*	33.508	S	179.089	W	200	*	5.0	1.0	18	SOUTH OF KERMADEC ISLANDS
	12	05	56	46.9	60.830	N	167.012	E	33	N	4.8	0.9	62	EASTERN SIBERIA
a	12	06	04	05.0	23.161	N	120.053	E	17	D	5.6 5.2	1.0	232	TAIWAN. Felt (V JMA) in the Tainan area. Also felt at Hong Kong.
	12	06	54	22.9	23.272	N	120.015	E	10	G	3.5	1.5	11	TAIWAN
	12	07	00	44.5%	40.761	N	27.486	E	10	G		0.7	9	TURKEY
	12	07	05	45.9*	23.249	N	120.075	E	10	G		0.4	6	TAIWAN
	12	07	18	53.6?	23.18	N	120.39	E	10	G		0.1	4	TAIWAN
	12	07	23	23.8%	23.242	N	120.136	E	10	G		0.3	5	TAIWAN
	12	07	34	19.0*	46.014	N	153.074	E	33	N	4.6	1.2	23	KURIL ISLANDS
	12	08	11	46.4?	15.32	N	94.32	W	82	?	3.1	0.7	5	NEAR COAST OF OAXACA, MEXICO
	12	08	32	42.4*	23.134	N	120.289	E	10	G	3.5	1.3	6	TAIWAN
	12	08	59	44.8*	36.705	N	20.651	E	10	G	3.6	1.4	27	MEDITERRANEAN SEA. MD 3.9 (ATH).
	12	09	04	10.1&	60.022	N	151.664	W	55		2.7		51	KENAI PENINSULA, ALASKA. <AEIC>.
	12	09	43	10.0*	37.852	N	29.863	E	10	G		0.9	5	TURKEY
	12	09	46	28.3?	33.26	S	72.28	W	10	G		0.4	8	OFF COAST OF CENTRAL CHILE
	12	10	21	48.9	40.775	N	27.604	E	10	G		1.2	23	TURKEY. Felt at Sarkoy.
	12	10	40	53.0?	27.66	S	114.30	E	33	N		1.3	4	WESTERN AUSTRALIA
	12	11	22	13.9*	23.230	N	120.057	E	10	G	3.6	1.6	20	TAIWAN

	12	11	38	30.8?	43.09	N	0.52	W	5	G			0.2	4	PYRENEES. MD 1.0 (STR).
	12	12	16	30.0*	17.613	N	94.823	W	136	*	3.5		1.3	14	CHIAPAS, MEXICO
	12	12	34	26.6%	31.187	S	67.610	W	33	N			1.7	5	SAN JUAN PROVINCE, ARGENTINA
	12	12	43	51.1&	64.480	N	147.223	W	17					35	CENTRAL ALASKA. <AEIC>. ML 3.6 (PMR).
	12	13	15	21.6	46.283	N	2.765	E	10	G			0.4	13	FRANCE. ML 2.2 (LDG). MD 2.2 (STR).
	12	13	41	29.9	3.337	S	75.653	W	135		4.7		0.9	74	NORTHERN PERU. MD 4.9 (QUI).
	12	15	10	00.2	35.350	N	31.162	E	53	?			1.1	20	CYPRUS. MD 3.8 (HLW).
	12	16	26	24.8*	31.568	S	69.359	W	129	?			0.4	7	SAN JUAN PROVINCE, ARGENTINA
	12	16	36	31.3?	40.65	N	29.08	E	10	G			0.0	4	TURKEY
	12	17	22	17.3?	60.95	N	166.93	E	33	N	4.3		0.3	5	EASTERN SIBERIA
	12	17	24	32.1?	42.85	N	13.11	E	10	G			1.3	4	CENTRAL ITALY
	12	18	31	42.6?	61.06	N	166.93	E	33	N	4.3		1.1	6	EASTERN SIBERIA
	12	19	16	47.7	23.051	N	120.091	E	10	G	3.9		1.6	19	TAIWAN
	12	19	43	26.1	60.833	N	167.077	E	33	N	5.3	4.5	0.9	197	EASTERN SIBERIA
	12	19	46	11.8	23.169	N	120.036	E	23	*	4.1		1.6	18	TAIWAN
	12	20	13	53.4*	23.232	N	120.148	E	10	G			0.2	6	TAIWAN
	12	20	14	51.4&	35.720	N	118.410	W	5					3	CENTRAL CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt at Kernville.
	12	21	46	40.4?	43.05	N	13.07	E	10	G			0.2	4	CENTRAL ITALY
	12	22	02	54.7*	23.250	N	120.146	E	10	G			0.3	6	TAIWAN
	12	23	12	09.7	43.028	N	13.033	E	10	G			0.4	10	CENTRAL ITALY. MD 2.6 (SSO).
	12	23	17	32.7	15.515	N	60.797	W	61		4.3		1.0	34	LEEWARD ISLANDS. MD 4.2 (TRN). Felt (III) on Martinique.
	13	01	04	33.2&	58.335	N	142.788	W	10	G				19	GULF OF ALASKA. <AEIC>.
	13	01	09	14.3*	12.824	N	87.911	W	33	N	4.8	4.6	1.6	33	NEAR COAST OF NICARAGUA. Felt (IV) at La Union, El Salvador.
	13	01	15	18.7*	28.174	S	66.842	W	214	?			0.8	15	CATAMARCA PROVINCE, ARGENTINA
	13	01	45	45.5?	17.99	S	70.58	W	113	?	4.3		1.4	8	NEAR COAST OF PERU
	13	02	10	39.4*	52.834	N	168.630	W	33	N	4.7	4.6	0.9	55	FOX ISLANDS, ALEUTIAN ISLANDS
	13	03	13	34.9?	40.61	N	29.09	E	10	G			0.5	4	TURKEY
	13	04	08	07.4&	62.732	N	151.137	W	99					59	CENTRAL ALASKA. <AEIC>.
	13	04	08	37.3	20.076	S	177.700	W	570	*	5.0		1.0	38	FIJI ISLANDS REGION
	13	04	50	05.0?	60.86	N	167.23	E	33	N	4.0		0.8	6	EASTERN SIBERIA
	13	05	00	57.3?	45.56	N	26.52	E	120	G			0.4	5	ROMANIA
	13	05	40	28.8&	61.342	N	146.809	W	4					45	SOUTHERN ALASKA. <AEIC>.
	13	05	47	21.0?	43.05	N	13.06	E	10	G			0.3	4	CENTRAL ITALY. MD 2.4 (SSO).
	13	06	29	48.3	31.971	S	69.610	W	108				0.8	15	SAN JUAN PROVINCE, ARGENTINA
	13	06	29	59.0	17.263	N	46.523	W	10	G	4.8	3.8	1.1	62	NORTH ATLANTIC RIDGE
	13	06	58	43.2?	60.67	N	167.41	E	33	N	4.2		1.7	5	EASTERN SIBERIA
	13	07	26	21.4%	30.368	S	67.523	W	33	N			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	13	07	31	32.3*	31.392	S	71.516	W	115	?			1.3	12	NEAR COAST OF CENTRAL CHILE
a	13	08	01	52.6	12.680	N	44.552	W	10	G	4.8	4.6	1.1	60	NORTH ATLANTIC RIDGE
	13	08	41	36.8%	23.256	N	120.150	E	10	G			0.3	5	TAIWAN
o	13	08	42	29.0	4.926	N	82.561	W	10	D	5.0	4.9	1.2	100	SOUTH OF PANAMA. MD 5.2 (UPA), 4.6 (QUI). Ma=5.0*10**17 Nm (PPT).
	13	10	28	41.1	26.662	S	176.413	W	151	?	4.7		1.5	23	SOUTH OF FIJI ISLANDS
	13	13	40	13.4&	40.643	N	124.877	W	12					7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	13	13	51	26.5%	43.974	N	7.211	E	10	G			0.3	9	NEAR SOUTH COAST OF FRANCE. ML 1.4 (GEN).
	13	14	20	05.2	4.957	N	125.493	E	205	D	5.1		1.0	90	TALAUD ISLANDS
	13	15	29	04.5*	29.996	N	138.762	E	442	*	4.6		0.9	22	SOUTH OF HONSHU, JAPAN
	13	15	53	06.9	60.780	N	166.953	E	33	N	5.1		0.8	115	EASTERN SIBERIA
	13	15	57	20.6*	11.646	N	124.373	E	53	*	4.0		0.8	7	LEYTE, PHILIPPINE ISLANDS
	13	16	08	50.0%	23.244	N	120.113	E	10	G			0.3	6	TAIWAN
	13	16	24	42.6*	43.239	N	20.847	E	10	G			1.7	10	YUGOSLAVIA. ML 2.3 (TTG).
	13	16	31	17.9	37.939	N	121.094	E	33	N	4.0		1.3	10	NORTHEASTERN CHINA. ML 4.3 (BJI).
	13	16	31	37.5	36.194	N	25.287	E	126		4.2		1.0	31	DODECANESE ISLANDS
	13	16	39	01.0	44.222	N	129.130	W	10	G			0.5	65	OFF COAST OF OREGON
	13	17	29	04.8?	15.56	N	60.61	W	33	N			1.1	4	LEEWARD ISLANDS. ML 2.5 (FDF).
	13	17	38	44.6	41.140	N	23.209	E	10	G			1.1	11	GREECE-BULGARIA BORDER REGION. MD 2.7 (THE).
	13	18	30	12.4%	23.243	N	120.127	E	10	G			0.3	5	TAIWAN
	13	18	30	48.5%	40.679	N	29.974	E	10	G			0.6	6	TURKEY
	13	19	13	37.3	13.951	N	145.222	E	123		4.9		1.2	57	MARIANA ISLANDS
	13	19	39	23.3	39.191	N	27.838	E	10	G			1.3	13	TURKEY
	13	19	48	29.6	59.707	S	26.570	W	33	N	5.8		1.1	87	SOUTH SANDWICH ISLANDS REGION
	13	20	08	38.3%	42.595	N	19.181	E	10	G			0.5	7	YUGOSLAVIA. ML 1.3 (TTG).
	13	20	26	02.3*	28.218	S	67.261	W	203	?			0.8	10	LA RIOJA PROVINCE, ARGENTINA
	13	20	34	31.3*	37.631	N	121.449	E	10	G	4.0		1.4	8	NORTHEASTERN CHINA. ML 4.3 (BJI).
	13	20	40	40.6&	59.828	N	150.642	W	52					38	KENAI PENINSULA, ALASKA. <AEIC>.
	13	22	30	54.4%	39.864	N	28.946	E	5	G			1.0	11	TURKEY
	13	23	43	35.9*	31.193	S	68.441	W	90	G			0.9	6	SAN JUAN PROVINCE, ARGENTINA
	14	00	40	34.8	42.393	N	19.799	E	5	G			0.4	9	YUGOSLAVIA. ML 2.1 (TTG).
	14	01	01	40)*	37.360	N	30.052	E	10	G			0.7	5	TURKEY
	14	01	29	25.9%	23.276	N	120.103	E	10	G			0.2	5	TAIWAN
	14	02	49	39.7*	18.049	S	69.165	W	146		4.6		1.3	17	NORTHERN CHILE
	14	03	02	20.5%	41.723	N	13.966	E	10	G			0.9	5	SOUTHERN ITALY
	14	03	35	22.6	11.543	S	166.613	E	165	*	4.8		1.0	34	SANTA CRUZ ISLANDS
	14	04	01	34.3%	42.446	N	19.798	E	10	G			0.5	8	YUGOSLAVIA. ML 1.7 (TTG).
	14	04	14	38.6*	54.204	N	161.493	W	33	N	4.6		1.1	43	ALASKA PENINSULA
	14	04	27	46.8%	23.229	N	120.159	E	10	G			0.3	6	TAIWAN
	14	05	09	38.2?	40.84	N	139.23	E	33	N			0.1	4	NEAR WEST COAST OF HONSHU, JAPAN
	14	05	31	27.8	47.978	N	5.617	E	10				1.0	25	FRANCE. ML 3.2 (LDG).
	14	05	52	47.8&	38.525	N	122.268	W	6					17	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=6.2*10**13 Nm (BRK).
	14	06	35	02.8	40.147	N	19.802	E	10	G	3.4		1.2	9	ALBANIA. MD 3.4 (ATH).
	14	06	57	15.5&	60.116	N	153.574	W	163		2.5			38	SOUTHERN ALASKA. <AEIC>.
	14	07	31	16.6%	23.237	N	120.146	E	10	G			0.3	6	TAIWAN
	14	07	59	37.1%	40.687	N	29.812	E	10	G			1.0	10	TURKEY
	14	08	23	59.2*	3.992	S	135.520	E	33	N	4.8		1.6	15	WEST IRIAN REGION
	14	09	28	41.2&	60.952	N	150.966	W	15					48	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (PMR).
	14	09	30	08.9?	17.94	S	69.52	W	153	*	4.3		1.4	10	PERU-BOLIVIA BORDER REGION
	14	09	48	25.5&	37.207	N	122.100	W	11					10	CENTRAL CALIFORNIA. <BRK>. ML 1.5 (BRK).
	14	11	50	05.9%	40.393	N	27.897	E	10	G			1.1	6	TURKEY
	14	11	58	01.5?	16.86	N	94.09	W	158	?			1.1	8	OAXACA, MEXICO

	14	12	18	12.1?	30.65	S	117.19	E	10	G			0.6	4	WESTERN AUSTRALIA
	14	12	55	14.0%	39.231	N	27.841	E	10	G			0.4	6	TURKEY
	14	13	28	58.0&	66.685	N	147.139	W	29		3.1			23	ALASKA. <AEIC>.
	14	13	50	49.0*	19.380	S	167.792	E	33	N	5.0		1.2	30	VANUATU ISLANDS REGION
	14	15	00	21.4*	6.760	N	94.256	E	33	N	4.0		0.7	9	NICOBAR ISLANDS REGION
a	14	15	57	52.4	51.794	N	175.264	W	39	D	5.5	5.1	0.9	263	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.5 (PMR). Ms 5.2 (BRK). Mo=3.0*10**17 Nm (PPT). Felt (IV) on Adok and Atka.
	14	16	32	55.3&	60.724	N	151.339	W	62					42	KENAI PENINSULA, ALASKA. <AEIC>.
	14	17	09	45.4	39.614	N	73.971	E	33	N	5.0		1.0	94	TAJIK-XINJIANG BORDER REGION
	14	17	37	13.6*	1.720	S	100.813	E	107	?	4.7		0.7	11	SOUTHERN SUMATERA
	14	17	49	42.9?	13.07	S	118.82	E	33	N	4.1		1.7	12	NORTHWEST OF AUSTRALIA
	14	18	07	13.3?	16.05	N	99.81	W	33	N			1.4	4	NEAR COAST OF GUERRERO, MEXICO
	14	18	56	48.7?	44.30	N	7.58	E	10	G			0.0	4	NORTHERN ITALY
	14	19	05	21.9	38.370	N	22.054	E	10	G	3.9		1.4	24	GREECE. MD 3.6 (ATH), 3.4 (THE).
	14	19	25	54.2*	10.589	S	162.314	E	33	N	4.6		1.6	24	SOLOMON ISLANDS
	14	19	30	57.5?	3.72	S	139.91	E	33	N	4.7	4.2	1.0	7	WEST IRIAN
	14	19	46	28.7	38.852	N	25.762	E	10	G			0.9	10	AEGEAN SEA
	14	19	54	22.2?	18.32	S	167.99	E	33	N	4.2		1.5	10	VANUATU ISLANDS
	14	20	04	41.5?	36.82	N	29.38	E	10	G			0.7	4	TURKEY
	14	20	44	10.9*	21.724	S	68.576	W	158	*	4.9		1.4	13	CHILE-BOLIVIA BORDER REGION
	14	22	37	35.7&	59.551	N	152.559	W	75					35	SOUTHERN ALASKA. <AEIC>.
	14	23	18	29.2	43.302	N	19.890	E	5	G			0.9	33	YUGOSLAVIA. ML 3.2 (TTG). .
	15	00	01	34.8	35.399	N	140.227	E	66	D	5.0		1.1	68	NEAR EAST COAST OF HONSHU, JAPAN
	15	01	31	49.1	45.874	N	2.991	E	10	G			0.4	10	FRANCE. ML 1.8 (LDG).
	15	01	47	57.6	24.009	S	66.711	W	195		4.4		1.0	27	SALTA PROVINCE, ARGENTINA
	15	02	06	21.1&	33.110	N	117.710	W	6	G				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	15	02	23	48.7*	23.320	S	174.980	W	33	N	4.8	4.9	1.1	24	TONGA ISLANDS REGION
	15	02	51	21.3?	18.60	S	70.30	W	90	G	4.4		1.1	9	NEAR COAST OF NORTHERN CHILE
	15	03	08	19.0?	45.93	N	15.02	E	10	G			0.4	4	YUGOSLAVIA. MD 2.4 (LJU). ML 1.9 (KBA).
	15	03	10	34.2*	2.070	N	129.643	E	28	D	5.0		1.3	18	HALMAHERA
	15	03	16	59.1?	61.11	N	166.87	E	33	N	4.3		1.1	7	EASTERN SIBERIA
	15	03	24	09.0	34.343	N	26.389	E	7		5.2	4.4	1.3	334	CRETE. ML 5.5 (CSS).
	15	04	28	16.3	28.317	N	87.683	E	43	?	4.6		1.2	16	TIBET
	15	06	54	08.2&	37.746	N	77.916	W	18					18	VIRGINIA. <BLA>. mbLg 3.8 (BLA). Felt (V) at Gaachland, Kents Store, Sandy Haak and Tray; (IV) at Bumpass, Crozier, Dillwyn, Fork Union, Hadensville, Oilville and Rockville; (III) at Amherst, Beaverdam, Brema Bluff, Maidens, Manakin Sabat, Mineral, Mine Run, Scattsville and Somerset.
	15	07	43	36.3*	25.526	N	141.315	E	33	N	4.9		0.9	16	VOLCANO ISLANDS REGION
	15	07	56	42.1*	23.259	N	120.084	E	10	G			0.4	7	TAIWAN
	15	08	22	54.1*	5.715	N	32.301	E	10	G	4.8		1.3	24	SUDAN. mbLg 4.8 (BUL).
	15	09	28	22.0	56.838	N	153.083	W	33	N	4.2		1.1	62	KODIAK ISLAND REGION. ML 4.5 (PMR).
	15	09	48	51.5%	23.267	N	120.098	E	10	G			0.3	5	TAIWAN
	15	10	28	57.8?	39.10	N	27.59	E	10	G			0.3	4	TURKEY
	15	11	20	27.9?	42.12	N	0.42	E	10	G			0.0	4	PYRENEES. mbLg 2.8 (MDD).
	15	11	38	46.7	41.708	N	22.970	E	5	G			0.5	9	YUGOSLAVIA. MD 2.9 (THE). ML 2.7 (SKO).
	15	11	53	52.4%	38.702	N	26.790	E	10	G			0.8	5	AEGEAN SEA
	15	11	56	08.3?	43.05	N	0.50	W	5	G			0.2	4	PYRENEES. MD 1.3 (STR).
	15	12	00	16.1?	9.23	S	125.98	E	33	N	4.1		1.6	7	TIMOR
	15	12	06	40.7%	23.252	N	120.113	E	10	G			0.2	5	TAIWAN
	15	12	33	57.9*	6.717	N	76.866	W	27	*	4.5		1.4	22	NORTHERN COLOMBIA
	15	12	48	54.9%	41.364	N	28.173	E	10	G			0.7	11	TURKEY
	15	13	30	19.8	39.341	N	20.508	E	10	G	4.8		1.4	172	GREECE-ALBANIA BORDER REGION. ML 5.0 (ROM), 4.5 (ATH), 4.5 (TTG). MD 4.5 (THE).
	15	13	46	12.2%	39.005	N	29.669	E	10	G			0.5	8	TURKEY
	15	13	55	07.3?	40.84	N	29.44	E	5	G			0.2	4	TURKEY
	15	14	08	56.9	43.445	N	5.438	E	10	G			0.7	15	NEAR SOUTH COAST OF FRANCE. MD 2.7 (STR).
	15	14	16	22.1&	59.891	N	153.466	W	136					61	SOUTHERN ALASKA. <AEIC>.
	15	14	36	11.7	39.189	N	20.558	E	10	G			0.9	9	GREECE-ALBANIA BORDER REGION. MD 2.7 (THE).
	15	14	37	42.4&	40.488	N	124.325	W	25					13	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK). Felt (III) at Rio Dell.
	15	15	06	31.5	23.149	N	119.872	E	10	G			1.0	10	TAIWAN REGION
	15	15	16	17.9%	41.147	N	28.442	E	10	G			0.8	5	TURKEY
	15	15	30	19.3?	7.02	S	129.40	E	202	?	4.9		1.0	9	BANDA SEA
	15	15	56	07.6%	44.455	N	6.779	E	10	G			0.3	7	FRANCE. ML 1.9 (GEN).
	15	16	40	22.5?	43.44	N	12.98	E	10	G			0.0	4	CENTRAL ITALY
	15	16	51	14.4*	41.257	N	20.919	E	10	G			1.5	8	ALBANIA. MD 2.3 (THE). ML 2.1 (SKO).
a	15	18	51	00.2	29.132	S	68.684	W	114	D	5.5		1.0	168	SAN JUAN PROVINCE, ARGENTINA
	15	20	26	59.8%	43.107	N	0.447	W	5	G			0.1	6	PYRENEES. MD 1.0 (STR).
	15	20	33	14.7&	39.351	N	111.172	W	9					9	UTAH. <SLC-P>. ML 3.0 (SLC). Felt at the Utah Power and Light Huntingtan Mine.
	15	20	37	03.6%	40.628	N	29.048	E	10	G			0.6	6	TURKEY
	15	21	01	57.7	38.510	N	11.696	E	10	G			0.4	9	SICILY
a	15	21	52	03.3	17.971	S	172.928	W	78	D	5.4		1.3	134	TONGA ISLANDS REGION. Mo=4.0*10**17 Nm (PPT).
	15	22	33	57.7%	44.309	N	7.591	E	10	G			0.3	7	NORTHERN ITALY. ML 1.8 (GEN).
	15	23	59	02.7?	6.13	S	130.46	E	100	?	5.1		1.1	10	BANDA SEA
	16	00	07	59.0%	40.887	N	27.837	E	10	G			0.7	7	TURKEY
	16	00	08	56.1&	60.181	N	152.301	W	76					31	SOUTHERN ALASKA. <AEIC>.
	16	00	28	57.7%	40.716	N	29.071	E	10	G			0.3	12	TURKEY
	16	00	44	24.5%	40.810	N	27.928	E	10	G			0.4	11	TURKEY
	16	00	55	16.2%	40.829	N	27.967	E	10	G			0.6	13	TURKEY
	16	01	09	02.3?	38.35	N	26.80	E	10	G			1.3	4	AEGEAN SEA
	16	01	26	55.1%	40.705	N	29.054	E	10	G			0.4	12	TURKEY
	16	02	00	51.6	49.133	N	6.879	E	10	G			0.8	14	GERMANY. MD 2.6 (STR), 2.5 (UCC).
	16	02	09	59.3	1.993	N	127.351	E	94	*	5.2		0.9	57	HALMAHERA
	16	02	45	39.2	36.037	S	70.851	W	118	D	4.6		1.0	51	CHILE-ARGENTINA BORDER REGION
	16	03	57	41.2	34.594	N	72.657	E	33	N	4.5		1.4	32	PAKISTAN. MD 4.6 (NDI).
	16	05	42	37.6%	37.806	N	14.766	E	10	G			1.0	5	SICILY
	16	05	46	38.0%	44.406	N	6.982	E	10	G			0.4	7	FRANCE. ML 1.9 (GEN).
	16	05	51	17.4	41.411	N	19.472	E	13				1.1	49	ALBANIA. ML 3.6 (TTG). MD 3.6 (ATH), 3.4 (THE).
a	16	06	02	10.9	10.174	N	85.184	W	33	D	5.3	6.3	1.1	300	COSTA RICA. Ms 6.2 (BRK). Mo=3.0*10**18 Nm (PPT). Felt

												In Guanacaste Province.
16	06	11	55.3?	42.69	N	13.03	E	10	G		0.2	4 CENTRAL ITALY. MD 2.3 (SSO).
16	06	41	07.0	41.528	N	19.672	E	10	G		1.3	17 ALBANIA. ML 3.1 (TTG). MD 2.9 (THE).
16	06	44	53.5	41.565	N	19.660	E	10	G		1.5	14 ALBANIA. ML 2.9 (TTG).
16	06	51	52.0%	40.334	N	28.203	E	10	G		0.6	11 TURKEY
16	06	54	27.3%	40.344	N	28.216	E	10	G		0.4	6 TURKEY
16	08	22	04.8*	64.053	N	148.815	W	33	N		1.6	6 CENTRAL ALASKA. ML 3.0 (PMR).
16	08	28	02.1*	10.140	S	119.192	E	33	N	3.8	0.8	10 SUMBA ISLAND REGION
16	08	39	16.9	41.088	N	22.491	E	10	G		0.7	9 YUGOSLAVIA. ML 2.4 (SKO). MD 2.3 (THE).
16	09	25	48.7%	39.108	N	27.607	E	10	G		0.4	5 TURKEY
16	09	37	40.2?	39.58	N	29.49	E	10	G		0.9	6 TURKEY
16	09	59	45.3%	40.810	N	30.285	E	10	G		0.7	6 TURKEY
16	11	58	08.0?	23.22	N	120.07	E	10	G		0.5	4 TAIWAN
16	12	00	41.9?	16.44	N	100.14	W	33	N	3.2	1.4	5 NEAR COAST OF GUERRERO, MEXICO
16	12	14	40.5*	7.169	S	67.909	E	10	G	4.6	1.1	26 MID-INDIAN RISE
16	12	41	11.4?	31.18	S	69.01	W	100	G		0.4	4 SAN JUAN PROVINCE, ARGENTINA
16	12	51	44.9*	16.421	S	175.947	W	389	*	4.8	1.4	42 TONGA ISLANDS
16	13	42	45.4	41.096	N	22.433	E	10	G		1.0	12 YUGOSLAVIA. ML 3.2 (SKO). MD 3.0 (THE). Felt (IV) in the Gevgelija area.
16	14	15	29.3&	60.016	N	153.528	W	149				35 SOUTHERN ALASKA. <AEIC>.
16	14	27	42.4%	40.758	N	28.933	E	10	G		0.7	5 TURKEY
16	14	42	55.2&	60.898	N	150.557	W	53				40 KENAI PENINSULA, ALASKA. <AEIC>.
16	15	26	38.1	35.313	N	23.402	E	40	*	3.8	1.1	53 CRETE. MD 4.2 (HLW), 3.7 (THE).
16	17	02	04.3*	3.114	S	133.844	E	33	N	4.5	1.6	20 WEST IRIAN REGION
16	18	07	15.3%	18.251	N	100.215	W	33	N		0.7	9 GUERRERO, MEXICO
16	19	32	26.8	24.765	N	121.836	E	89		4.6	1.0	52 TAIWAN
16	19	39	54.8	44.469	N	6.922	E	10	G		0.4	17 FRANCE. ML 2.2 (GEN).
16	20	00	21.0*	34.121	S	70.313	W	142	?		0.5	14 CHILE-ARGENTINA BORDER REGION
16	21	10	35.4*	37.053	N	29.502	E	10	G		0.3	5 TURKEY
16	21	43	56.7	34.925	N	26.874	E	10	G	3.9	1.4	32 CRETE
16	21	58	06.0	41.050	N	22.487	E	10	G		1.4	10 YUGOSLAVIA. ML 2.5 (SKO). MD 2.4 (THE).
16	22	10	19.2	12.002	N	60.033	W	10	G	3.6	0.7	15 WINDWARD ISLANDS. MD 3.7 (TRN).
16	23	15	01.5?	40.83	N	27.89	E	10	G		0.3	4 TURKEY
16	23	22	25.6?	15.77	N	119.13	E	33	N	4.0	1.1	6 LUZON, PHILIPPINE ISLANDS
16	23	34	27.0*	37.041	N	29.441	E	10	G		0.7	5 TURKEY
16	23	41	05.2*	31.007	S	69.447	W	100	G		1.6	15 SAN JUAN PROVINCE, ARGENTINA
17	00	11	12.2&	61.874	N	151.035	W	65				56 SOUTHERN ALASKA. <AEIC>.
17	00	54	41.5?	32.04	S	71.70	W	33	N		1.1	13 NEAR COAST OF CENTRAL CHILE
17	02	03	34.6	18.977	N	64.720	W	46	?		0.7	21 VIRGIN ISLANDS. MD 4.9 (TRN). Felt at Road Town, Tortola.
17	02	46	19.4*	31.828	S	70.069	W	120	G		0.7	12 CHILE-ARGENTINA BORDER REGION
17	02	56	51.3%	40.073	N	29.236	E	10	G		0.5	8 TURKEY
17	02	59	58.3?	58.02	N	7.33	E	10	G		0.7	4 SOUTHERN NORWAY. MD 2.6 (BER).
17	03	34	33.9?	39.28	N	27.81	E	10	G		1.0	4 TURKEY
17	04	24	09.1	39.273	N	20.484	E	10	G	3.8	1.2	79 GREECE-ALBANIA BORDER REGION
17	04	37	04.8	23.189	N	119.982	E	10	G	4.3	1.1	33 TAIWAN REGION
17	04	59	17.4&	61.184	N	151.647	W	73		2.6		43 SOUTHERN ALASKA. <AEIC>.
17	05	19	21.6%	37.367	N	2.184	W	10	G		0.5	5 SPAIN. mbLg 2.6 (MDD).
17	05	22	22.6	38.758	N	141.325	E	26		4.9	1.1	21 NEAR EAST COAST OF HONSHU, JAPAN
17	06	26	52.0	60.851	N	166.956	E	33	N	5.2	0.8	163 EASTERN SIBERIA
17	07	17	59.5*	32.630	S	177.764	W	41	D	5.2	1.3	15 SOUTH OF KERMADEC ISLANDS
17	07	54	39.2	3.638	S	128.316	E	80	G	5.2	1.2	37 CERAM
17	08	21	38.2?	43.44	N	12.63	E	10	G		1.4	4 CENTRAL ITALY
17	08	29	39.0	41.894	N	23.228	E	10	G		1.1	11 GREECE-BULGARIA BORDER REGION. MD 2.7 (THE). ML 2.3 (SKO).
17	09	20	50.0%	44.537	N	7.293	E	10	G		0.3	7 NORTHERN ITALY. ML 1.8 (GEN).
17	09	38	25.5*	28.077	S	114.077	E	33	N	3.8	1.2	10 WESTERN AUSTRALIA
17	10	22	32.8	44.101	N	6.970	E	13			0.5	30 FRANCE. ML 2.8 (LDG), 2.6 (GEN).
17	10	23	18.7?	39.14	N	27.52	E	10	G		0.6	4 TURKEY
17	10	45	26.6?	15.86	N	96.65	W	84	?	3.1	1.2	7 NEAR COAST OF OAXACA, MEXICO
17	12	43	38.4?	32.69	S	70.92	W	81	?		0.2	9 CHILE-ARGENTINA BORDER REGION
17	12	54	23.4&	59.563	N	153.223	W	112				39 SOUTHERN ALASKA. <AEIC>.
17	13	13	54.6?	28.27	S	66.74	W	207	?		0.6	13 CATAMARCA PROVINCE, ARGENTINA
17	13	16	29.9*	37.968	N	28.701	E	10	G		0.6	5 TURKEY
17	13	36	10.3*	42.986	N	13.710	E	10	G		1.2	10 CENTRAL ITALY. MD 2.5 (SSO).
17	14	12	56.7?	42.86	N	7.43	W	10	G		0.4	4 SPAIN. mbLg 2.9 (MDD).
17	15	11	51.0	39.175	N	20.614	E	10	G		0.6	12 GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH).
17	16	55	30.3	12.606	N	60.696	W	33	N		0.4	11 WINDWARD ISLANDS. MD 3.3 (TRN). ML 3.3 (FDF).
17	17	15	16.1&	56.059	N	160.639	W	152		3.4		2 ALASKA PENINSULA. <PAL>.
17	18	06	25.2	6.773	S	146.902	E	114	*	5.1	1.0	30 EAST PAPUA NEW GUINEA REGION
17	19	08	11.5?	39.05	N	28.17	E	10	G		1.3	4 TURKEY
17	19	20	58.2	39.252	N	20.527	E	10	G	3.5	1.1	32 GREECE-ALBANIA BORDER REGION. MD 3.1 (THE).
17	19	22	10.8	39.322	N	20.479	E	10	G	4.8	1.4	148 GREECE-ALBANIA BORDER REGION. ML 4.6 (ATH). MD 4.4 (TTG).
17	19	34	42.2&	47.623	N	121.945	W	22				23 WASHINGTON. <SEA>. CL 2.7 (SEA).
17	20	39	20.2?	42.08	N	12.77	E	10	G		0.2	4 CENTRAL ITALY
17	20	58	12.4?	2.27	N	127.59	E	99	?	4.6	1.5	15 MOLUCCA PASSAGE
17	21	01	45.7	23.246	N	121.032	E	10	G		1.4	6 TAIWAN
17	21	25	49.0&	32.150	N	115.780	W	6	G			7 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS).
17	22	43	48.5&	61.654	N	149.925	W	43				28 SOUTHERN ALASKA. <AEIC>.
17	23	39	34.6%	40.035	N	28.754	E	5	G		0.7	11 TURKEY
17	23	47	33.8&	38.823	N	122.813	W	4				20 NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=4.4*10**14 Nm (BRK).
18	01	07	03.3	43.983	N	9.951	E	10	G		1.1	13 CORSICA. ML 2.4 (LDG).
18	01	18	13.3%	40.049	N	28.740	E	10	G		0.8	11 TURKEY
18	01	19	13.2	44.034	N	148.834	E	55	D	4.7	0.9	78 KURIL ISLANDS
18	02	21	53.2&	59.736	N	152.222	W	69				36 SOUTHERN ALASKA. <AEIC>.
18	04	12	57.2?	51.34	N	16.06	E	10	G		1.3	4 POLAND
18	04	33	03.9&	63.127	N	150.845	W	132				39 CENTRAL ALASKA. <AEIC>.
18	04	50	36.4?	16.24	N	61.37	W	10	G		0.2	4 LEEWARD ISLANDS. ML 1.3 (FDF).
18	05	36	43.7?	23.17	N	120.32	E	10	G		0.4	4 TAIWAN
18	08	56	20.6?	53.25	N	164.75	W	33	N	4.3	1.3	34 UNIMAK ISLAND REGION
18	09	36	07.1*	1.452	N	123.603	E	74	?	4.4	1.4	14 MINAHASSA PENINSULA

	18	09 55 43.9	3.284	S	139.833	E	33	N	4.7		1.0	14	WEST IRIAN
	18	12 16 54.7	38.720	N	27.848	E	10	G			1.1	14	TURKEY
	18	12 30 22.7%	40.057	N	28.685	E	10	G			0.3	7	TURKEY
	18	12 43 57.7•	17.571	N	120.786	E	33	N	4.1		0.8	6	LUZON, PHILIPPINE ISLANDS
	18	13 06 16.3%	42.749	N	19.172	E	10	G			0.2	5	YUGOSLAVIA. ML 1.6 (TTG).
	18	13 18 37.5	42.993	N	18.729	E	10	G			1.0	10	YUGOSLAVIA. ML 2.4 (TTG).
	18	13 33 50.9•	31.580	S	69.097	W	100	G			0.1	6	SAN JUAN PROVINCE, ARGENTINA
	18	13 49 34.6•	54.184	N	167.893	E	33	N	4.4		1.4	19	KOMANDORSKY ISLANDS REGION
	18	14 18 16.4?	61.10	S	153.57	E	10	G	4.8		1.4	14	BALLENY ISLANDS REGION
	18	14 26 02.0	77.602	N	7.971	E	10	G	4.8	4.6	1.2	37	SVALBARD REGION
	18	14 42 07.2?	16.07	N	85.48	W	10	G	4.3		1.0	13	CARIBBEAN SEA
	18	14 46 19.3&	60.042	N	152.973	W	116		2.8			57	SOUTHERN ALASKA. <AEIC>.
	18	14 55 35.6%	43.761	N	6.942	E	10	G			0.6	12	NEAR SOUTH COAST OF FRANCE. ML 2.4 (GEN).
	18	15 09 09.3&	60.791	N	150.762	W	51					41	KENAI PENINSULA, ALASKA. <AEIC>.
	18	15 15 36.4&	62.890	N	150.536	W	100					57	CENTRAL ALASKA. <AEIC>.
	18	15 17 49.7•	34.353	N	86.200	E	33	N	4.0		0.9	11	TIBET
	18	16 07 55.9	42.373	N	19.822	E	5	G			0.3	9	YUGOSLAVIA. ML 1.9 (TTG).
	18	17 03 18.4&	60.331	N	153.413	W	2					48	SOUTHERN ALASKA. <AEIC>. ML 3.2 (PMR).
	18	17 11 04.7%	42.134	N	19.092	E	10	G			0.4	7	YUGOSLAVIA. ML 1.7 (TTG).
	18	18 21 15.8?	23.25	N	120.10	E	10	G			0.4	4	TAIWAN
	18	18 40 45.0•	16.936	N	101.094	W	33	N	4.1		1.2	11	NEAR COAST OF GUERRERO, MEXICO
	18	20 35 48.1%	40.675	N	23.475	E	10	G			0.8	6	GREECE. MD 2.2 (THE).
	18	20 49 43.9?	6.20	S	130.76	E	145	?	4.6		1.2	13	BANDA SEA
	18	21 25 56.4	38.737	N	27.916	E	12				0.6	22	TURKEY. Felt in the Burhaniye area.
	18	21 52 05.8%	46.297	N	2.554	E	10	G			0.3	7	FRANCE. ML 1.6 (LDG).
	18	21 56 32.1?	36.18	N	137.29	E	282	•	4.3		1.1	12	HONSHU, JAPAN
	18	22 30 14.5&	60.638	N	150.998	W	62		2.9			66	KENAI PENINSULA, ALASKA. <AEIC>. Felt (II) at Anchorage.
	18	23 02 02.7?	15.24	N	61.24	W	110	G			0.4	4	LEEWARD ISLANDS
	18	23 10 54.9%	16.178	N	61.394	W	10	G			0.6	6	LEEWARD ISLANDS. ML 1.7 (FDF).
	18	23 28 53.2	39.288	N	20.454	E	10	G	4.4		1.4	119	GREECE-ALBANIA BORDER REGION. ML 4.7 (ROM). MD 4.1 (TTG).
	18	23 41 56.8•	16.070	N	59.758	W	25				0.5	14	LEEWARD ISLANDS. MD 3.7 (TRN). ML 3.5 (FDF).
	19	00 07 56.3•	38.710	N	27.950	E	10	G			0.9	6	TURKEY
	19	02 35 28.6&	46.625	N	122.132	W	16					52	WASHINGTON. <SEA>. CL 2.4 (SEA).
	19	02 37 04.2	39.242	N	20.461	E	10	G	4.9		1.4	161	GREECE-ALBANIA BORDER REGION. ML 4.8 (ROM), 4.5 (TTG).
	19	02 51 25.5	39.260	N	20.429	E	10	G	4.5		1.4	116	GREECE-ALBANIA BORDER REGION. ML 4.5 (ROM). MD 4.0 (THE).
	19	02 59 35.9	39.278	N	20.533	E	10	G			0.7	14	GREECE-ALBANIA BORDER REGION. MD 3.0 (THE).
	19	03 05 36.2%	42.503	N	19.139	E	10	G			0.9	6	YUGOSLAVIA. ML 2.2 (TTG).
	19	04 18 08.9%	40.339	N	27.103	E	10	G			0.5	8	TURKEY
	19	04 30 01.3%	44.362	N	7.318	E	10	G			0.2	5	NORTHERN ITALY. ML 1.4 (GEN).
	19	04 32 18.4%	37.756	N	15.040	E	10	G			1.7	5	SICILY
	19	05 19 20.1	46.395	N	6.849	E	10	G			1.1	43	SWITZERLAND. ML 3.0 (LDG). MD 2.6 (STR).
	19	05 45 14.5?	15.91	N	61.62	W	110	G			0.4	6	LEEWARD ISLANDS
	19	06 19 06.8	38.671	N	26.752	E	10	G			0.9	26	AEGEAN SEA. MD 3.0 (THE).
	19	06 23 23.9•	37.237	N	71.013	E	33	N	3.8		0.6	9	AFGHANISTAN-USSR BORDER REGION
	19	08 33 29.0•	24.385	S	67.076	W	182	•	4.0		1.3	15	CHILE-ARGENTINA BORDER REGION
	19	08 43 07.3?	31.95	S	71.74	W	33	N			0.5	9	NEAR COAST OF CENTRAL CHILE
	19	08 50 54.8&	61.310	N	147.518	W	27					62	SOUTHERN ALASKA. <AEIC>.
	19	10 56 17.1	4.643	N	75.759	W	152	D	4.8		1.0	100	COLOMBIA. MD 4.9 (UPA), 4.6 (QUI). Felt in the Armenia-Pereira area.
	19	11 52 02.6	39.796	N	20.680	E	10	G			0.6	12	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH), 3.0 (THE).
a	19	12 09 24.8	34.825	N	26.335	E	23	D	5.4	5.4	1.3	394	CRETE. ML 5.3 (ATH). MD 5.2 (THE), 5.0 (HLW). Felt in southern Crete. Also felt at Bodrum, Turkey.
	19	12 10 27.4	42.931	N	12.799	E	10	G			1.0	16	CENTRAL ITALY. MD 2.9 (SSO).
	19	12 41 54.3?	31.14	S	68.31	W	90	G			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	19	13 24 53.0	15.133	N	60.309	W	33	N			0.5	14	LEEWARD ISLANDS. MD 3.4 (TRN). ML 3.2 (FDF).
	19	13 30 51.2?	44.14	N	7.49	E	10	G			0.2	8	NORTHERN ITALY. ML 2.4 (LDG).
	19	13 33 46.8	53.883	N	161.476	E	45	D	4.6		0.9	48	OFF EAST COAST OF KAMCHATKA
	19	14 09 01.6?	44.05	N	8.71	E	10	G			0.5	7	NORTHERN ITALY. ML 2.0 (GEN).
	19	14 26 04.8?	37.09	N	27.55	E	10	G			0.9	5	TURKEY
	19	14 27 56.0	36.849	N	27.383	E	10	G			1.3	14	DODECANESE ISLANDS. MD 3.8 (ATH).
	19	14 36 12.1?	31.71	S	69.28	W	110	G			0.5	4	SAN JUAN PROVINCE, ARGENTINA
	19	14 57 14.8	43.077	N	12.925	E	10	G			0.6	7	CENTRAL ITALY. MD 2.5 (SSO).
	19	15 11 27.3?	31.24	S	68.66	W	90	G			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	19	15 21 13.4?	31.20	S	68.67	W	90	G			0.1	4	SAN JUAN PROVINCE, ARGENTINA
	19	15 44 10.6?	32.65	N	88.99	E	33	N	4.4		1.6	8	TIBET
	19	16 04 04.6•	31.329	S	68.558	W	103	?			0.6	7	SAN JUAN PROVINCE, ARGENTINA
	19	16 35 59.6?	43.34	N	13.21	E	10	G			0.3	4	CENTRAL ITALY
	19	16 43 44.1•	37.093	N	27.588	E	10	G			0.9	6	TURKEY
	19	17 08 11.0	31.974	S	68.228	W	33	N			1.4	16	SAN JUAN PROVINCE, ARGENTINA
	19	17 34 06.5?	37.04	N	27.49	E	10	G			1.0	6	TURKEY
	19	17 45 04.1	42.987	N	18.712	E	10	G			0.6	10	YUGOSLAVIA. ML 1.4 (TTG).
	19	18 01 37.0•	22.520	S	66.375	W	257	•	4.1		1.0	7	JUJUY PROVINCE, ARGENTINA
	19	18 07 00.3?	51.61	N	16.54	E	13				0.4	9	POLAND. ML 3.1 (VKA).
	19	18 38 55.4?	6.98	S	130.51	E	109	?	4.6		1.2	13	BANDA SEA
	19	18 51 30.0•	41.135	N	22.449	E	10	G			1.1	7	YUGOSLAVIA. ML 1.9 (SKO). MD 1.8 (THE).
	19	19 17 32.4	43.000	N	18.726	E	10	G			1.2	7	YUGOSLAVIA. ML 1.5 (TTG).
	19	19 21 48.8&	36.440	N	89.540	W	7					16	NEW MADRID, MISSOURI REGION. <SLM-P>. MD 2.6 (SLM). Felt in southeastern Missouri.
	19	19 25 16.8	1.728	N	126.376	E	100	•	4.8		1.0	37	MOLUCCA PASSAGE
	19	19 39 50.3	41.742	N	22.904	E	5	G			0.7	14	YUGOSLAVIA. MD 2.5 (THE).
	19	19 44 12.3	37.040	N	28.727	E	10	G			0.7	10	TURKEY
	19	19 53 30.7	11.280	S	118.503	E	33	N	4.8		1.4	21	SOUTH OF SUMBAWA ISLAND
	19	20 06 50.1	34.777	N	26.357	E	33	N	4.2		1.3	78	CRETE. ML 4.2 (ATH).
	19	20 29 34.8•	5.754	S	35.629	E	33	N	4.7		1.0	11	TANZANIA. mbLg 4.6 (BUL).
	19	20 34 08.1?	13.24	N	70.90	W	33	N	4.4		1.3	10	CARIBBEAN SEA
	19	20 41 05.9%	42.291	N	13.200	E	10	G			0.4	6	CENTRAL ITALY
	19	20 51 09.6	51.555	N	6.363	E	10	G			1.2	16	GERMANY. ML 2.9 (LDG).
	19	21 06 07.6	36.932	N	27.410	E	10	G			1.0	16	DODECANESE ISLANDS
	19	21 23 26.5	36.269	N	29.129	E	10	G			1.0	12	TURKEY
	19	21 29 26.5	34.833	N	26.375	E	22	D	4.8	4.2	1.3	264	CRETE. MD 4.8 (ATH), 4.8 (THE), 4.5 (HLW).

	19	21	37	03.0	39.238	N	20.542	E	10	G			1.3	12	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH), 2.8 (THE).
	19	22	43	02.2	45.929	N	7.990	E	10	G			0.8	20	NORTHERN ITALY. ML 2.5 (LDG).
	19	23	04	04.1*	51.001	N	156.191	E	130	*	4.4		0.6	16	KAMCHATKA
	19	23	58	10.2*	13.306	N	70.758	W	33	N	4.3		1.3	18	CARIBBEAN SEA
	20	01	15	46.3?	7.81	S	158.26	E	33	N	4.6		0.3	6	SOLOMON ISLANDS
	20	01	55	10.3*	21.342	S	68.638	W	145	*	4.6		1.5	13	CHILE-BOLIVIA BORDER REGION
	20	01	55	48.4*	35.458	N	27.564	E	33	N			0.4	7	DODECANESE ISLANDS
	20	01	57	28.2	39.240	N	20.487	E	10	G			0.9	20	GREECE-ALBANIA BORDER REGION. MD 3.2 (THE).
	20	04	45	37.6	39.248	N	20.567	E	10	G	3.5		1.1	27	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH), 3.2 (THE).
	20	04	47	58.7&	40.370	N	124.837	W	3					6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
	20	04	55	11.3*	9.122	S	123.698	E	111	?	4.8		1.4	13	TIMOR
	20	05	01	25.5&	59.972	N	152.687	W	92					35	SOUTHERN ALASKA. <AEIC>.
	20	06	23	19.5	41.754	N	19.223	E	10	G			1.1	12	ALBANIA. ML 2.5 (TTG).
	20	06	55	03.1?	40.63	N	29.29	E	10	G			0.1	4	TURKEY
	20	06	55	18.3?	15.34	N	97.70	W	33	N	3.7		1.6	9	NEAR COAST OF OAXACA, MEXICO
	20	08	27	32.4?	41.06	N	22.47	E	10	G			0.3	4	YUGOSLAVIA. MD 1.8 (THE).
	20	10	48	56.4%	39.218	N	27.775	E	10	G			0.4	6	TURKEY
	20	11	40	53.1%	15.898	N	93.854	W	33	N			1.3	5	NEAR COAST OF CHIAPAS, MEXICO
	20	12	05	12.2	41.065	N	22.393	E	10	G			0.7	9	YUGOSLAVIA. MD 2.3 (THE). ML 1.8 (SKO).
	20	12	33	34.4*	61.629	N	149.800	W	33	N			0.5	6	SOUTHERN ALASKA
	20	12	47	25.4	41.237	N	14.717	E	10	G			0.8	12	SOUTHERN ITALY
a	20	13	08	57.8	5.791	S	80.897	W	35	D	5.3	5.5	1.2	146	NEAR COAST OF NORTHERN PERU. MD 5.2 (QUI). Mo=1.3*10**18 Nm (PPT).
	20	13	35	28.5	42.544	N	24.079	E	10	G			1.0	11	BULGARIA. MD 3.0 (THE).
	20	14	07	16.9	51.365	N	178.525	W	33	N	5.1	5.0	0.9	90	ANDREANOF ISLANDS, ALEUTIAN IS.
	20	15	04	41.1*	24.638	N	120.434	E	33	N	3.6		0.6	6	TAIWAN
	20	16	29	07.6*	2.918	N	97.233	E	33	N	4.8		1.3	15	NORTHERN SUMATERA
	20	17	36	12.8	7.333	S	128.434	E	176		5.0		1.0	43	BANDA SEA
	20	17	43	17.7	38.146	N	73.533	E	120	G	4.8		0.8	21	TAJIK-XINJIANG BORDER REGION
	20	18	04	51.6	55.536	N	158.161	W	40	D	4.9	4.0	0.8	75	ALASKA PENINSULA. Felt (III) at Chignik and Sand Point.
	20	18	14	57.6?	42.70	N	13.02	E	10	G			0.8	4	CENTRAL ITALY
	20	18	27	21.6	46.087	N	14.354	E	10	G			1.0	13	YUGOSLAVIA. ML 2.6 (KBA), 2.5 (LJU). MD 2.4 (TRI). Felt (IV) at Vokio.
	20	18	50	35.8%	43.051	N	13.331	E	10	G			1.5	5	CENTRAL ITALY
	20	18	56	39.0	43.030	N	13.251	E	13				1.1	10	CENTRAL ITALY. MD 2.6 (SSO).
	20	19	14	50.0?	43.00	N	13.21	E	10	G			0.6	4	CENTRAL ITALY
	20	19	41	46.8*	36.567	N	142.358	E	33	N	4.2		0.9	14	OFF EAST COAST OF HONSHU, JAPAN
	20	20	17	35.0%	40.129	N	29.270	E	10	G			0.6	13	TURKEY
	20	20	22	25.3?	47.63	N	2.85	W	10	G			0.3	4	FRANCE. ML 2.5 (LDG).
	20	20	27	04.4&	37.725	N	121.750	W	14					16	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=2.5*10**14 Nm (BRK). Felt at Hayward and Livermore.
	20	20	46	28.7?	47.60	N	2.74	W	10	G			1.3	5	FRANCE. ML 2.5 (LDG).
	20	21	01	27.0&	49.712	N	66.483	W	18	G				6	GASPE PENINSULA. <OTT>. mbLg 3.7 (OTT). Felt at Port-Cartier and Sept-Iles, Quebec.
	20	21	16	46.5*	3.264	N	95.622	E	33	N	4.7		0.5	11	OFF W COAST OF NORTHERN SUMATERA
	20	21	58	06.9	42.856	N	12.810	E	10	G			1.4	9	CENTRAL ITALY
	21	00	07	05.0*	42.985	N	13.226	E	10	G			0.7	5	CENTRAL ITALY. MD 1.5 (SSO).
	21	00	33	33.2%	40.662	N	29.072	E	10	G			0.9	6	TURKEY
	21	01	58	30.5?	47.60	N	2.85	W	10	G			0.4	4	FRANCE. ML 2.6 (LDG).
	21	02	03	13.8*	43.092	N	22.624	E	5	G			1.5	11	YUGOSLAVIA
	21	03	11	10.9*	42.937	N	12.839	E	10	G			0.2	5	CENTRAL ITALY. MD 2.1 (SSO).
	21	03	28	37.9*	24.134	S	66.710	W	215	*	3.9		1.1	10	SALTA PROVINCE, ARGENTINA
	21	03	31	44.8&	57.421	N	143.064	W	10	G	4.0			56	GULF OF ALASKA. <AEIC>.
	21	04	10	59.3&	49.698	N	66.594	W	18	G	4.0			18	GASPE PENINSULA. <OTT-P>. mbLg 3.9 (OTT). Felt at Port-Cartier and Sept-Iles, Quebec.
	21	04	55	55.5	42.824	N	12.817	E	5	G			0.7	9	CENTRAL ITALY
a	21	05	04	45.1&	62.809	N	149.512	W	79		5.0			179	CENTRAL ALASKA. <AEIC>. Felt (V) at Anchorage; (IV) at Cantwell, Chickaloon, Skwentna and Trapper Creek; (III) at Chugiak, Palmer and Wasilla. Felt throughout much of central and south-central Alaska from Anchorage to Fairbanks.
	21	05	04	53.5	37.855	N	27.704	E	10	G			1.1	12	TURKEY
	21	05	32	35.7&	62.871	N	151.198	W	111					44	CENTRAL ALASKA. <AEIC>.
a	21	05	53	12.0	9.710	S	79.774	W	25	D	5.4	5.9	1.1	175	OFF COAST OF NORTHERN PERU. Mo=4.0*10**18 Nm (PPT).
	21	07	41	37.8&	36.550	N	89.750	W	16					20	NEW MADRID, MISSOURI REGION. <SLM-P>. MD 2.9 (SLM). Felt (III) at Kewanee.
	21	08	56	36.5?	17.28	S	179.23	W	578	?	4.5		0.9	11	FIJI ISLANDS REGION
	21	09	10	30.4	42.818	N	12.821	E	5	G			0.5	9	CENTRAL ITALY
	21	09	25	46.1?	39.15	N	27.67	E	10	G			0.2	4	TURKEY
	21	09	49	36.5?	36.86	N	35.93	E	10	G			0.9	4	TURKEY
	21	10	18	31.7	55.148	N	152.871	W	33	N	5.0	3.8	0.9	142	SOUTH OF ALASKA
	21	10	54	27.4%	39.114	N	27.532	E	10	G			0.2	5	TURKEY
	21	11	16	23.6?	35.56	N	27.48	E	10	G			0.6	4	DODECANESE ISLANDS
	21	13	12	29.3?	31.14	S	68.61	W	111	?			0.0	5	SAN JUAN PROVINCE, ARGENTINA
	21	13	31	56.4	27.304	N	18.585	W	10	G	4.7	3.9	1.4	39	CANARY ISLANDS REGION. Felt (IV) on Hierro.
	21	13	53	48.6?	15.73	N	92.41	W	200	*	3.3		1.2	8	MEXICO-GUATEMALA BORDER REGION
	21	14	11	25.6%	38.803	N	27.444	E	10	G			1.3	6	TURKEY
	21	14	28	33.2?	60.39	N	167.40	E	33	N	4.4		1.4	16	EASTERN SIBERIA
	21	15	02	19.1*	32.814	N	86.804	E	33	N	4.6		0.8	10	TIBET
	21	15	40	30.8%	43.117	N	0.678	W	10	G			0.1	9	PYRENEES. MD 1.0 (STR).
	21	16	19	55.4*	51.458	N	178.043	W	33	N	4.6		1.1	24	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.
	21	16	34	29.0	41.121	N	28.944	E	5	G			0.5	10	TURKEY
	21	17	22	38.6*	21.683	N	122.011	E	27	D	4.1	3.8	1.4	23	TAIWAN REGION
a	21	18	27	36.0	11.668	S	166.544	E	33	D	5.5	5.4	1.1	106	SANTA CRUZ ISLANDS
	21	18	29	58.3	1.145	N	122.490	E	33	N	4.6		1.2	20	MINAHASSA PENINSULA
	21	19	19	12.0?	15.62	N	118.24	E	33	N	4.0		1.1	5	PHILIPPINE ISLANDS REGION
	21	19	30	06.1	37.664	N	13.912	E	38	*			0.9	15	SICILY
	21	19	42	27.8*	35.465	N	27.572	E	10	G			0.5	8	DODECANESE ISLANDS
a	21	20	08	01.2	20.878	S	177.930	W	527	D	5.2		0.9	230	FIJI ISLANDS REGION
	21	20	42	20.3	17.022	N	60.865	W	10	G	3.8		0.8	16	LEEWARD ISLANDS. ML 3.6 (FDF).
	21	22	26	22.6?	51.34	N	16.10	E	10	G			1.4	6	POLAND. ML 3.1 (VKA).
	21	22	27	13.9	44.665	N	6.822	E	10	G			0.4	8	FRANCE. ML 2.1 (GEN).
	21	22	35	36.0	39.299	N	29.176	E	10	G			0.7	12	TURKEY

	21	22 57 28.4	45.456	N	7.561	E	10	G			1.4	9	NORTHERN ITALY. ML 2.3 (LDG).
	21	23 18 26.7	39.744	N	22.225	E	5	G			1.2	8	GREECE. MD 2.2 (THE).
	22	01 01 49.9*	19.876	S	68.910	W	124	*	3.8		1.4	9	CHILE-BOLIVIA BORDER REGION
	22	01 34 47.5	41.078	N	19.998	E	10	G			0.9	30	ALBANIA. MD 3.1 (ATH), 2.8 (THE).
	22	03 29 06.3?	40.65	N	29.06	E	5	G			0.2	4	TURKEY
	22	03 29 32.9	1.163	N	122.561	E	33	N	5.1	4.5	1.0	32	MINAHASSA PENINSULA
	22	03 53 00.9	41.071	N	19.974	E	10	G			1.2	9	ALBANIA. MG 2.6 (TIR).
	22	04 44 26.6%	40.819	N	26.870	E	10	G			0.7	7	TURKEY
	22	04 58 42.1	9.683	N	84.452	W	45	*	4.9	4.6	0.8	87	COSTA RICA. Felt.
	22	05 52 34.4	33.730	N	36.975	E	26		3.8		1.0	33	JORDAN - SYRIA REGION. ML 4.1 (BHL).
	22	06 08 52.7	23.319	N	119.999	E	10	G			1.2	11	TAIWAN REGION
	22	06 58 59.1&	58.815	N	152.826	W	58					31	KODIAK ISLAND REGION. <AEIC>.
	22	07 04 07.6*	34.117	N	37.181	E	10	G			0.8	10	JORDAN - SYRIA REGION. ML 3.0 (BHL).
	22	07 32 53.6*	20.192	S	71.398	W	33	N	3.9		1.0	6	OFF COAST OF NORTHERN CHILE
	22	07 55 20.8*	61.103	N	166.464	E	33	N	4.7		1.2	16	EASTERN SIBERIA
	22	08 16 33.1	9.062	N	70.044	W	23		4.9	4.3	1.1	72	VENEZUELA. Felt in the Guanare area.
	22	08 25 23.9?	24.22	S	179.80	E	538	?	4.8		0.8	14	SOUTH OF FIJI ISLANDS
	22	10 12 27.9%	43.544	N	7.070	E	10	G			0.4	7	NEAR SOUTH COAST OF FRANCE. MD 1.6 (STR).
	22	10 57 06.3%	39.245	N	27.445	E	10	G			0.7	5	TURKEY
	22	11 02 16.0%	39.123	N	27.584	E	10	G			0.7	6	TURKEY
	22	12 17 09.3?	45.42	N	14.75	E	10	G			0.8	4	YUGOSLAVIA. MD 2.1 (LJU), 2.1 (TRI).
	22	12 24 28.6&	61.701	N	151.967	W	108					37	SOUTHERN ALASKA. <AEIC>.
	22	12 29 00.9	5.664	S	153.631	E	68	*	4.9		1.2	24	NEW IRELAND REGION
	22	12 32 25.2%	39.281	N	27.708	E	10	G			0.6	6	TURKEY
	22	12 39 16.6*	9.382	N	126.473	E	76	*	4.3		0.9	18	MINDANAO, PHILIPPINE ISLANDS
	22	12 41 41.0*	42.892	N	12.841	E	10	G			0.3	5	CENTRAL ITALY. MD 2.8 (SSO).
	22	12 45 46.8?	18.62	N	66.76	W	33	N			0.3	5	PUERTO RICO REGION
	22	13 22 12.4	42.573	N	24.139	E	5	G			1.1	18	BULGARIA. MD 2.8 (THE).
	22	13 25 38.3	9.099	N	70.138	W	37		4.8		1.0	22	VENEZUELA
	22	13 35 11.7	46.832	N	13.323	E	7				0.7	17	AUSTRIA. ML 3.2 (FUR), 3.2 (VIE). Felt (V) at Moellbruecke.
	22	13 43 56.5?	42.68	N	24.04	E	10	G			1.5	7	BULGARIA. MD 2.7 (THE).
	22	13 50 56.4&	59.153	N	153.838	W	113					36	SOUTHERN ALASKA. <AEIC>.
	22	14 03 54.7	45.886	N	5.202	E	6				1.1	44	FRANCE. ML 3.3 (LDG). MD 3.1 (STR).
	22	14 30 13.3?	37.99	N	22.45	E	10	G			1.5	4	SOUTHERN GREECE. ML 3.0 (ATH).
	22	14 59 59.2&	37.817	N	112.997	W	3		3.2			16	UTAH. <SLC-P>. ML 3.1 (SLC). Felt in the Enach area.
	22	16 19 06.8*	11.707	N	143.147	E	33	N	4.5		0.6	6	SOUTH OF MARIANA ISLANDS
	22	17 02 19.5	79.849	N	123.884	E	10	G	4.7	4.1	1.0	61	EAST OF SEVERNAYA ZEMLYA
	22	17 05 39.0?	45.85	N	26.96	E	94	?			0.2	6	ROMANIA
	22	17 08 06.2*	19.688	S	169.663	E	66	*	4.3		1.5	11	VANUATU ISLANDS
	22	17 18 26.9*	61.118	N	167.162	E	33	N	4.3		1.1	11	EASTERN SIBERIA
	22	17 42 30.6	40.909	N	22.301	E	10	G			1.1	10	GREECE. MD 2.5 (THE).
	22	20 27 29.4%	40.104	N	23.240	E	10	G			0.6	5	GREECE. MD 2.1 (THE).
	22	21 11 47.2*	37.023	N	21.030	E	11	*			1.0	10	SOUTHERN GREECE. MD 3.4 (ATH).
	22	22 40 02.6*	43.599	N	13.240	E	5	G			0.6	5	CENTRAL ITALY
	22	23 17 59.3&	36.567	N	121.245	W	13					18	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	22	23 43 20.6	37.712	N	75.328	E	33	N	4.3		1.0	16	TAJIK-XINJIANG BORDER REGION
a	23	00 36 44.9	36.353	N	70.682	E	215		5.0		1.0	204	HINDU KUSH REGION. Felt at Peshowar, Pakistan.
	23	00 39 39.3?	42.87	N	12.85	E	10	G			0.4	4	CENTRAL ITALY
	23	01 20 50.0?	42.00	N	13.10	E	10	G			1.4	4	CENTRAL ITALY
	23	02 38 10.1	50.918	N	6.138	E	10	G			1.0	9	GERMANY. ML 2.4 (BNS).
	23	03 14 19.6%	40.753	N	29.192	E	10	G			0.7	11	TURKEY
	23	03 50 57.9	48.314	N	154.591	E	33	N	4.6		0.9	29	KURIL ISLANDS
	23	05 25 01.7?	21.00	S	169.13	E	88	?	4.5		1.4	13	LOYALTY ISLANDS REGION
	23	05 47 02.5*	31.622	N	90.636	E	33	N	4.1		0.8	10	TIBET
	23	06 00 06.0*	45.178	N	5.922	E	10	G			0.7	6	FRANCE. ML 2.3 (LDG).
	23	06 02 56.9*	36.581	N	71.034	E	204	?	3.9		0.4	14	AFGHANISTAN-USSR BORDER REGION
	23	06 37 29.6	41.038	N	22.487	E	10	G			1.0	7	YUGOSLAVIA. ML 2.0 (SKO). MD 1.6 (THE).
	23	06 52 25.5	31.263	S	179.853	E	408		4.7		1.0	31	KERMADEC ISLANDS REGION
	23	07 08 38.5&	36.682	N	121.363	W	3					17	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	23	07 41 16.3	49.095	N	6.858	E	10	G			0.9	12	GERMANY. MD 2.7 (STR).
..	23	08 41 00.4	33.876	N	38.969	W	10	G	5.0	5.0	0.7	112	NORTH ATLANTIC RIDGE
	23	08 42 52.9*	37.824	N	20.662	E	10	G			0.7	8	IONIAN SEA. MD 3.4 (ATH).
	23	09 26 39.4*	36.615	N	11.753	E	10	G	3.3		1.0	14	TUNISIA
	23	09 34 47.0?	22.90	N	120.69	E	10	G			0.3	4	TAIWAN
	23	10 04 55.0	12.257	S	166.897	E	213	D	5.0		0.8	122	SANTA CRUZ ISLANDS
	23	10 05 55.0&	36.070	N	89.790	W	8					24	NEW MADRID, MISSOURI REGION. <SLM-P>. MD 2.8 (SLM). Felt (V) at Steele; (IV) at Holland and Cooter; (III) at Braggadacia.
	23	11 36 52.8?	15.18	S	176.23	W	105	?	4.6		1.4	32	FIJI ISLANDS REGION
	23	12 22 43.4	7.237	S	129.360	E	94		5.1		1.3	39	BANDA SEA
	23	13 05 20.3%	41.147	N	28.779	E	10	G			0.2	5	TURKEY
	23	13 27 10.0%	44.032	N	7.650	E	10	G			0.1	5	NORTHERN ITALY. ML 1.5 (GEN).
	23	14 17 55.6?	39.56	N	28.72	E	10	G			0.1	5	TURKEY
	23	15 58 54.5*	23.710	N	123.110	E	10	G	4.2		0.8	10	SOUTHWESTERN RYUKYU ISLANDS
	23	16 56 53.0*	24.669	N	120.345	E	10	G	3.6		0.2	5	TAIWAN
	23	17 04 04.9&	61.534	N	146.573	W	29					40	SOUTHERN ALASKA. <AEIC>.
	23	17 21 27.6%	38.806	N	31.264	E	10	G			0.8	6	TURKEY
	23	17 40 52.7?	31.99	S	179.54	W	561	?	4.9		1.1	17	KERMADEC ISLANDS REGION
	23	17 42 09.0	41.088	N	19.912	E	7				1.0	22	ALBANIA. ML 3.0 (TTG).
	23	18 10 49.6*	44.376	N	11.811	E	10	G			0.8	7	NORTHERN ITALY
	23	18 55 23.6	42.904	N	13.820	E	10	G			0.9	13	CENTRAL ITALY. MD 2.7 (SSO).
	23	19 22 00.7&	61.317	N	141.337	W	0					19	SOUTHERN ALASKA. <AEIC>.
	23	19 44 55.8*	14.310	N	144.318	E	26	*	4.3		0.7	8	MARIANA ISLANDS
	23	20 04 28.0	0.409	N	126.043	E	56	D	5.0		1.1	68	MOLUCCA PASSAGE
	23	20 33 34.9*	34.325	N	79.730	E	33	N	4.5		0.8	14	KASHMIR-TIBET BORDER REGION
a	23	20 38 49.8	48.261	N	154.854	E	41	D	5.4	5.0	0.8	236	KURIL ISLANDS
	23	22 13 00.4&	37.677	N	118.968	W	5					16	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).
	23	22 15 21.2&	37.648	N	118.948	W	4					14	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.9 (BRK).
	23	22 53 44.6?	37.04	N	29.42	E	10	G			0.7	4	TURKEY
	23	23 01 53.5?	31.39	S	67.90	W	10	G			0.6	4	SAN JUAN PROVINCE, ARGENTINA
	23	23 07 50.9*	55.894	N	165.756	E	33	N	4.2		1.1	11	KOMANDORSKY ISLANDS REGION
	24	01 50 12.9?	37.44	N	70.72	E	33	N	4.1		1.2	6	AFGHANISTAN-USSR BORDER REGION

	24	02	22	39.4?	24.46	N	120.58	E	10	G			0.5	4	TAIWAN
	24	03	12	58.4*	46.849	N	13.393	E	10	G			1.0	5	AUSTRIA. ML 1.9 (KBA).
	24	03	31	14.6?	23.21	N	123.28	E	30	?	4.2		1.1	10	SOUTHWESTERN RYUKYU ISLANDS
	24	03	42	08.8&	36.963	N	121.738	W	13		4.3			42	CENTRAL CALIFORNIA. <BRK>. ML 4.5 (BRK). Mo=2.0*10**16 Nm (BRK). Felt (V) at Aromos and Ben Lomond; (IV) at Aptos, Cupertino, Hollister, Los Gatos, Monterey, Morgan Hill, New Almaden, Santo Cruz, Soquel and Watsonville; (III) at Alomedo, Campbell, Gilroy, Half Moon Boy, Patterson and San Carlas. Also felt at Carmel Valley, Felton, Menlo Park, Oakland, Solinas, San Jose and San Francisco.
	24	03	46	00.8&	36.963	N	121.735	W	12					11	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	24	03	52	05.6&	36.963	N	121.735	W	12					13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	24	04	04	06.4*	35.462	N	27.537	E	10	G			0.9	6	DODECANESE ISLANDS. MD 3.6 (ATH).
	24	04	05	12.9&	37.648	N	118.950	W	4					14	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK). Hypocenter is for small foreshock, ML 2.2, 4.6 seconds before the ML 3.5 event (BRK).
	24	04	11	21.1&	37.647	N	118.948	W	5		3.0			22	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.6 (BRK), 3.5 (PAS).
	24	04	14	55.9*	46.093	N	90.533	E	33	N	4.2		1.1	7	NORTHERN XINJIANG, CHINA
	24	04	16	38.4&	60.068	N	152.526	W	98		3.5			80	SOUTHERN ALASKA. <AEIC>.
	24	04	26	25.4&	37.645	N	118.938	W	3		3.2			21	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.6 (BRK). Felt at Mammoth Lakes and June Lake, California.
	24	05	00	42.3	44.386	N	6.452	E	10	G			0.4	8	FRANCE. ML 2.4 (LDG).
	24	05	05	06.2	50.314	N	12.202	E	10	G			0.3	8	GERMANY. ML 2.6 (FUR), 2.5 (GRF).
	24	05	54	48.7&	37.645	N	118.945	W	3		3.3			18	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.6 (BRK). Hypocenter is for small foreshock, ML 2.1, 9.0 seconds before the ML 3.6 event (BRK).
a	24	06	39	22.0	16.831	S	177.305	E	12		5.2	5.1	1.0	109	FIJI ISLANDS. Felt (V) in the Yasawa Islands group and (IV) in the Nadi-Tavua area, Viti Levu.
	24	06	39	36.7?	37.66	N	118.91	W	5	G			0.1	4	CALIFORNIA-NEVADA BORDER REGION. MD 3.1 (GM).
	24	06	59	22.1?	15.67	N	92.02	W	252	*	3.8		1.2	8	MEXICO-GUATEMALA BORDER REGION
	24	07	16	54.3	41.044	N	22.446	E	10	G			1.2	14	YUGOSLAVIA. MD 2.6 (THE).
	24	07	55	57.9	37.637	N	118.913	W	5	G			0.7	9	CALIFORNIA-NEVADA BORDER REGION. MD 3.3 (GM).
	24	08	16	59.0&	58.721	N	143.398	W	10	G	3.2			57	GULF OF ALASKA. <AEIC>.
	24	08	56	08.1&	36.962	N	121.735	W	12					19	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	24	09	29	25.4&	60.168	N	152.769	W	97					39	SOUTHERN ALASKA. <AEIC>.
	24	09	38	33.8?	50.29	N	12.23	E	10	G			0.1	4	GERMANY. ML 2.0 (FUR).
	24	11	25	08.9*	73.846	N	80.213	W	10	G	4.0		1.1	11	BAFFIN ISLAND REGION
	24	11	30	51.5	37.041	N	29.379	E	10	G			1.3	8	TURKEY
	24	11	35	20.2	53.243	N	166.845	W	79	*	4.5		1.1	44	FOX ISLANDS, ALEUTIAN ISLANDS
	24	11	58	33.8	37.671	N	118.915	W	5	G			1.0	10	CALIFORNIA-NEVADA BORDER REGION. MD 3.0 (GM).
	24	12	13	54.3%	41.107	N	28.497	E	10	G			0.8	7	TURKEY
	24	12	15	16.1?	36.87	N	29.35	E	10	G			1.0	4	TURKEY
	24	12	44	30.5*	29.702	S	178.342	W	55	*	5.2	4.0	1.4	17	KERMADEC ISLANDS
	24	12	48	53.4%	39.153	N	27.615	E	10	G			0.2	5	TURKEY
	24	13	01	48.5	5.643	N	126.102	E	134		5.1		1.1	63	MINDANAO, PHILIPPINE ISLANDS
	24	13	23	29.8*	38.070	S	72.959	W	33	N	4.8	3.6	1.3	37	CENTRAL CHILE
	24	14	19	57.9?	39.60	N	25.26	E	10	G			1.1	5	AEGEAN SEA
	24	14	33	29.2	50.273	N	12.141	E	10	G			1.2	13	GERMANY. ML 3.1 (LDG), 3.0 (FUR).
	24	14	58	59.3%	40.555	N	28.940	E	10	G			1.0	10	TURKEY
	24	15	00	47.0	50.348	N	12.156	E	10	G			1.2	6	GERMANY. ML 1.9 (GRF), 1.8 (FUR)
	24	15	14	16.2	42.920	N	12.834	E	10	G			0.3	7	CENTRAL ITALY
	24	15	14	30.7*	43.852	N	16.773	E	10	G			1.4	9	YUGOSLAVIA. MD 3.2 (TRI).
	24	15	37	39.6&	62.569	N	151.074	W	82					39	CENTRAL ALASKA. <AEIC>.
	24	15	41	06.2*	50.329	N	12.117	E	10	G			1.2	5	GERMANY. ML 1.7 (FUR).
	24	16	13	30.5%	1.010	S	78.059	W	10	G			0.4	8	ECUADOR. MD 4.0 (QUI).
	24	17	10	12.8&	59.355	N	152.355	W	79		2.7			60	SOUTHERN ALASKA. <AEIC>.
	24	17	39	42.0	31.040	S	68.464	W	10	G			0.8	6	SAN JUAN PROVINCE, ARGENTINA
	24	18	15	15.0	38.304	N	21.773	E	10	G			1.4	12	GREECE. ML 3.2 (ATH).
	24	19	30	56.4	37.723	N	118.900	W	5	G			1.2	13	CALIFORNIA-NEVADA BORDER REGION. MD 3.1 (GM). Felt (III) at June Lake, California.
	24	20	19	45.9?	50.26	N	12.01	E	10	G			0.4	4	GERMANY. ML 1.5 (FUR).
	24	20	43	59.3&	57.746	N	143.068	W	10	G	2.7			31	GULF OF ALASKA. <AEIC>.
	24	21	49	56.0	36.352	N	71.558	E	122	*	4.6		1.1	36	AFGHANISTAN-USSR BORDER REGION
	24	23	18	08.4?	39.81	N	23.79	E	10	G			0.5	5	AEGEAN SEA. MD 2.4 (THE).
	24	23	37	39.2*	33.926	N	141.623	E	33	N	4.5		1.3	15	OFF EAST COAST OF HONSHU, JAPAN
	24	23	50	19.4?	12.13	N	121.38	E	80	*	4.1		0.4	6	MINDORO, PHILIPPINE ISLANDS
	25	00	15	43.3?	23.70	N	122.26	E	10	G			1.2	4	TAIWAN REGION
a	25	00	20	31.5	19.111	S	176.806	W	336		5.1		0.9	150	FIJI ISLANDS REGION
	25	00	53	34.1&	59.985	N	146.651	W	8		2.6			43	GULF OF ALASKA. <AEIC>. ML 3.0 (PMR).
	25	01	52	25.1&	64.982	N	148.947	W	20		3.5			45	CENTRAL ALASKA. <AEIC>. ML 3.4 (PMR).
	25	02	08	21.9?	12.78	N	45.35	E	10	G			0.4	10	WESTERN GULF OF ADEN. MD 3.8 (ARO).
	25	04	30	07.0?	45.95	N	11.07	E	5	G			0.1	4	NORTHERN ITALY. ML 1.9 (KBA).
	25	05	42	49.5*	43.006	N	126.852	W	10	G	3.8		0.6	57	OFF COAST OF OREGON
	25	06	07	51.8?	39.32	N	23.39	E	10	G			1.0	4	AEGEAN SEA. MD 2.2 (THE).
	25	08	08	31.4&	37.632	N	118.963	W	7					13	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).
	25	08	17	47.5	34.446	N	24.510	E	32		4.2	3.3	1.1	73	CRETE. MD 4.2 (ATH).
	25	08	28	09.9?	50.37	N	178.45	E	33	N	4.2		0.9	9	RAT ISLANDS, ALEUTIAN ISLANDS
	25	09	07	40.6%	42.367	N	18.930	E	10	G			0.3	6	YUGOSLAVIA. ML 1.1 (TTG).
	25	10	03	44.2?	40.81	N	29.48	E	10	G			0.4	4	TURKEY
	25	10	17	03.5%	39.100	N	27.583	E	10	G			1.1	6	TURKEY
	25	12	23	55.7&	61.532	N	144.652	W	36					51	SOUTHERN ALASKA. <AEIC>.
	25	14	18	33.1?	37.83	N	26.53	E	10	G			1.0	4	DODECANESE ISLANDS
	25	14	31	43.6?	40.49	N	29.41	E	10	G			0.7	4	TURKEY
	25	14	54	15.2	50.292	N	12.232	E	10	G			0.6	9	GERMANY. ML 3.1 (KBA), 2.6 (GRF).
	25	15	24	18.0	2.960	S	127.981	E	33	N	5.4	4.9	1.3	99	CERAM SEA
	25	15	46	15.1&	37.655	N	118.943	W	5		3.3			21	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.6 (BRK).
	25	17	23	42.7*	31.886	S	69.493	W	127	?			0.4	7	SAN JUAN PROVINCE, ARGENTINA
	25	17	30	35.6*	19.344	N	121.057	E	33	N	4.5	3.8	1.2	11	PHILIPPINE ISLANDS REGION
	25	17	46	00.6	59.991	N	146.711	W	33	N	4.1		0.9	82	GULF OF ALASKA. ML 4.4 (PMR).
a	25	18	02	41.5	39.887	N	113.923	E	10	G	5.1	5.5	1.2	108	NORTHEASTERN CHINA. ML 5.5 (BJI). One hundred thirty-one people injured and 1,328 houses damaged in

													the Datang area.
	25	18	36	18.4*	3.882	N	73.729	W	103 *	3.4		1.4	10	COLOMBIA
	25	19	13	44.2	6.029	S	154.467	E	402	4.9		0.8	79	SOLOMON ISLANDS
	25	19	32	57.8	17.213	N	99.818	W	53	4.6		1.1	42	GUERRERO, MEXICO. Felt in Guerrero and Oaxaca. Felt (IV) in the Mexico City area.
	25	19	34	18.3?	14.60	N	60.95	W	10 G			0.2	4	WINDWARD ISLANDS
	25	20	01	30.3*	39.845	N	113.860	E	10 G	3.4		1.0	5	NORTHEASTERN CHINA
	25	20	52	55.2?	15.52	S	70.36	W	33 N			0.6	5	SOUTHERN PERU
	25	23	38	56.1*	24.492	N	123.854	E	12 *	3.9		0.8	7	SOUTHWESTERN RYUKYU ISLANDS. Felt (IV JMA) on Iriomote-jima.
	25	23	44	55.5?	4.86	S	147.79	E	89 ?	5.1		0.5	9	BISMARCK SEA
	25	23	51	59.9	2.135	N	79.080	W	41	5.0	4.5	1.0	57	SOUTH OF PANAMA
	25	23	53	06.2	42.569	N	13.133	E	5 G			0.5	7	CENTRAL ITALY. MD 2.0 (SSO).
	26	00	25	38.7?	39.93	N	113.89	E	10 G			1.1	4	NORTHEASTERN CHINA. ML 3.2 (BJI).
	26	00	44	53.4	43.934	N	7.393	E	5 G			0.6	24	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG), 2.4 (GEN).
	26	00	45	27.2	37.665	N	118.968	W	5 G			0.8	6	CALIFORNIA-NEVADA BORDER REGION. MD 3.0 (GM).
	26	01	20	25.4&	60.139	N	153.360	W	144	2.7			33	SOUTHERN ALASKA. <AEIC>.
	26	01	25	38.5&	62.823	N	150.052	W	82	2.6			61	CENTRAL ALASKA. <AEIC>.
	26	01	50	44.1	37.760	N	118.775	W	5 G			1.0	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS).
	26	01	54	43.4	43.183	N	12.801	E	10 G			0.6	6	CENTRAL ITALY. MD 2.3 (SSO).
	26	02	53	52.0%	37.950	N	27.497	E	10 G			1.1	5	TURKEY
	26	03	00	02.8?	37.53	N	26.83	E	5 G			0.3	5	DODECANESE ISLANDS
	26	03	15	01.7	41.098	N	22.457	E	10 G			0.8	8	YUGOSLAVIA. ML 1.9 (SKO). MD 1.9 (THE).
	26	03	19	33.8?	32.21	S	72.02	W	10 G			0.4	7	OFF COAST OF CENTRAL CHILE
f	26	03	58	23.2	21.704	N	121.789	E	18 D	5.8	6.3	1.2	279	TAIWAN REGION. Mo=4.0*10**18 Nm (PPT). Felt (V JMA) at Lanyu; (III JMA) at Taitung; (II JMA) at Hengchun and Alishon; (I JMA) at Kaohsiung.
	26	03	59	11.4	44.318	N	7.454	E	5 G			0.4	14	NORTHERN ITALY. ML 2.5 (LDG), 2.2 (GEN).
	26	04	07	20.8%	40.757	N	15.240	E	10 G			0.9	7	SOUTHERN ITALY
	26	04	28	47.3?	39.61	N	22.35	E	10 G			1.1	9	GREECE. MD 2.8 (THE).
	26	04	31	58.3*	36.895	N	29.493	E	10 G			0.4	5	TURKEY
	26	04	38	10.9*	21.911	N	121.571	E	10 G	4.1		1.1	10	TAIWAN REGION
	26	05	12	52.2?	71.29	N	8.15	W	10 G	3.5		1.4	5	JAN MAYEN ISLAND REGION
	26	05	22	40.9	38.316	N	118.325	W	5 G			0.5	6	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS).
	26	05	48	54.0	36.784	N	71.270	E	99 ?	3.7		0.5	7	AFGHANISTAN-USSR BORDER REGION
a	26	06	19	28.4	21.673	N	121.826	E	19 D	5.2	5.1	1.1	120	TAIWAN REGION
	26	06	34	41.1	21.567	N	121.910	E	10 G	4.2		1.3	21	TAIWAN REGION
	26	06	37	46.2	21.633	N	121.714	E	10 G	4.4	3.9	1.1	19	TAIWAN REGION
	26	07	11	38.1	37.667	N	118.932	W	5 G			0.7	11	CALIFORNIA-NEVADA BORDER REGION. ML 2.5 (GS).
	26	08	00	37.7	44.466	N	7.100	E	5 G			0.3	25	NORTHERN ITALY. ML 2.5 (LDG), 2.4 (GEN).
	26	08	34	59.7?	39.13	N	27.53	E	10 G			0.9	4	TURKEY
	26	08	54	01.7?	50.29	N	12.25	E	10 G			0.2	4	GERMANY. ML 1.6 (FUR).
	26	08	55	16.3?	39.14	N	27.58	E	10 G			1.1	4	TURKEY
	26	09	05	25.4	37.663	N	118.937	W	5 G			1.0	6	CALIFORNIA-NEVADA BORDER REGION. ML 2.3 (GS).
	26	09	06	42.2	37.644	N	118.929	W	5 G			0.8	6	CALIFORNIA-NEVADA BORDER REGION. ML 2.1 (GS).
	26	09	07	27.8	37.686	N	118.951	W	5 G			0.5	6	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).
	26	09	08	02.7*	37.572	N	118.961	W	5 G			0.3	5	CALIFORNIA-NEVADA BORDER REGION. MD 3.2 (GM).
	26	09	11	49.3&	37.643	N	118.942	W	6				20	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).
	26	09	15	59.4&	37.640	N	118.947	W	4				26	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.7 (BRK). Felt (III) at June Lake, California.
	26	09	43	21.2&	37.640	N	118.950	W	4	3.7			20	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).
	26	10	00	38.3?	31.33	S	179.16	E	449 ?	4.4		1.0	14	KERMADEC ISLANDS REGION
	26	10	20	10.7%	36.905	N	29.523	E	10 G			0.7	5	TURKEY
a	26	10	24	23.9	21.867	N	121.610	E	10 G	5.3	5.5	1.2	137	TAIWAN REGION
	26	10	35	28.9	10.306	N	62.424	W	23	4.8	4.3	1.0	66	NEAR COAST OF VENEZUELA. MD 5.0 (TRN). Felt (III) in northern Trinidad.
	26	10	57	11.1*	21.869	N	121.813	E	10 G	4.2		1.2	21	TAIWAN REGION
	26	11	01	47.4?	22.43	N	122.03	E	10 G	3.9		0.9	5	TAIWAN REGION
	26	11	02	12.5	37.645	N	118.909	W	5 G			0.8	14	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (GS).
	26	11	03	22.8?	41.06	N	29.31	E	10 G			0.8	4	TURKEY
	26	11	47	04.1*	22.437	S	69.813	W	51 *	4.3		0.9	9	NORTHERN CHILE. Felt (IV) at Tocopilla and (III) at Maria Elena.
	26	11	57	54.5?	31.88	S	71.25	W	33 N			0.5	5	NEAR COAST OF CENTRAL CHILE
	26	12	03	40.9*	38.389	N	22.701	E	10 G			1.4	5	GREECE. ML 3.0 (ATH).
	26	12	07	48.3?	22.07	N	122.05	E	10 G	3.9		1.5	5	TAIWAN REGION
a	26	12	34	58.0	19.722	N	70.314	W	33 N	5.5	5.9	1.1	312	DOMINICAN REPUBLIC REGION. Ms 6.1 (BRK), 5.8 (PAS). Mo=1.3*10**18 Nm (PPT). Felt in northern Dominican Republic and at Santo Domingo. Also felt at Mayaguez, Puerto Rico.
	26	12	40	33.9*	21.651	N	121.992	E	10 G	4.2	3.7	1.5	12	TAIWAN REGION
	26	12	44	10.2%	18.394	N	67.120	W	33 N			0.5	5	MONA PASSAGE
	26	12	52	50.4%	41.140	N	28.494	E	10 G			0.9	5	TURKEY
	26	13	16	32.1	37.799	N	21.937	E	10 G	4.2		1.3	37	SOUTHERN GREECE. ML 3.9 (ATH).
	26	13	43	48.8	21.607	N	121.871	E	10 G	4.3	4.8	1.4	33	TAIWAN REGION
	26	13	45	20.1	37.679	N	118.935	W	5 G			0.7	13	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (GS).
	26	14	20	29.7*	22.175	N	121.657	E	10 G	4.4	4.0	0.7	9	TAIWAN REGION
	26	14	23	05.3%	23.147	N	121.393	E	10 G			1.2	5	TAIWAN
	26	14	42	28.6	32.053	S	68.566	W	10 G			0.1	6	MENDOZA PROVINCE, ARGENTINA
	26	14	45	41.2?	35.32	N	140.23	E	10 G			1.4	4	NEAR EAST COAST OF HONSHU, JAPAN
	26	15	08	25.8%	41.145	N	28.495	E	10 G			0.2	5	TURKEY
	26	15	46	58.3%	41.169	N	28.545	E	10 G			0.1	5	TURKEY
	26	16	01	24.0	19.837	N	70.360	W	14	4.8		1.0	33	DOMINICAN REPUBLIC REGION
	26	16	21	56.8&	36.878	N	121.633	W	6				14	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	26	18	00	21.6*	36.034	N	22.056	E	10 G			0.7	16	SOUTHERN GREECE. ML 3.4 (ATH).
	26	18	30	19.4	21.870	N	121.722	E	10 G	4.6	4.8	1.4	47	TAIWAN REGION
	26	18	42	10.7&	37.331	N	113.018	W	4				10	UTAH. <SLC-P>. ML 3.2 (SLC). Felt (V) at Springdale, (IV) at Rockville and (III) at Toquerville and Virgin. Also felt at Hurricane, St. George and Zion National Park.
	26	19	00	10.7*	36.860	N	29.411	E	10 G			1.3	5	TURKEY
a	26	19	00	19.9	5.422	S	146.746	E	237	5.5		0.9	209	EAST PAPUA NEW GUINEA REGION
	26	19	24	40.8	9.774	N	126.266	E	49 *	5.0	4.1	1.2	54	MINDANAO, PHILIPPINE ISLANDS
	26	19	33	57.7%	37.540	N	15.025	E	10 G			1.0	8	SICILY

	26	19 39 50.5	37.627	N	118.943	W	5	G			1.1	7	CALIFORNIA–NEVADA BORDER REGION. ML 2.8 (GS).
	26	19 43 12.1*	37.777	N	118.956	W	5	G			0.9	5	CALIFORNIA–NEVADA BORDER REGION. ML 2.2 (GS).
	26	19 51 14.0&	36.883	N	121.640	W	6					16	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	26	20 18 03.6	37.664	N	118.935	W	5	G			0.9	8	CALIFORNIA–NEVADA BORDER REGION. ML 2.7 (GS).
	26	20 32 27.4*	17.713	N	95.255	W	33	N	3.7		0.9	7	OAXACA, MEXICO
	26	21 53 29.6	10.235	N	62.424	W	10	G	4.7	4.0	1.1	47	NEAR COAST OF VENEZUELA. MD 4.6 (TRN). Felt (III) at Port of Spain, Trinidad.
	26	23 17 58.2&	60.530	N	139.297	W	10					6	SOUTHEASTERN ALASKA. <AEIC>.
	26	23 29 17.5*	40.338	N	139.055	E	36	*	4.0		0.7	8	NEAR WEST COAST OF HONSHU, JAPAN
	27	00 18 25.3*	27.621	N	33.724	E	10	G			0.4	7	ARAB REPUBLIC OF EGYPT. MD 4.0 (HLW).
	27	00 45 21.0	39.176	N	27.953	E	10				0.9	11	TURKEY
	27	02 11 29.7	37.640	N	118.909	W	5	G			0.8	8	CALIFORNIA–NEVADA BORDER REGION. ML 2.7 (GS).
	27	02 14 56.2	37.676	N	118.955	W	5	G			0.8	6	CALIFORNIA–NEVADA BORDER REGION. ML 2.3 (GS).
	27	02 24 32.1%	61.641	N	4.386	E	10	G			0.8	7	SOUTHERN NORWAY. MD 2.2 (BER).
	27	02 25 53.4	37.654	N	118.927	W	5	G			0.6	6	CALIFORNIA–NEVADA BORDER REGION. ML 2.0 (GS).
	27	02 47 10.7?	19.91	N	62.26	W	33	N			0.3	9	LEEWARD ISLANDS. ML 3.9 (FDF).
	27	04 20 13.7%	38.926	N	26.630	E	10	G			0.7	5	AEGEAN SEA
	27	04 27 05.4&	60.691	N	142.316	W	0					16	SOUTHERN ALASKA. <AEIC>.
	27	04 39 33.2&	60.953	N	150.820	W	13					31	KENAI PENINSULA, ALASKA. <AEIC>.
	27	05 00 16.8*	15.693	N	96.188	E	33	N	4.4	4.5	1.3	20	SOUTH BURMA
	27	05 28 32.8	5.558	S	103.016	E	33	N	4.9	4.7	0.9	51	SOUTHERN SUMATERA
	27	05 50 48.9&	38.627	N	120.172	W	20					16	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt (IV) at Kirkwood.
	27	06 37 19.4*	21.938	N	121.875	E	10	G	4.1		1.1	9	TAIWAN REGION
	27	07 16 12.6?	7.74	S	78.47	W	187	?	3.3		1.2	10	NORTHERN PERU
	27	07 44 23.7*	36.164	N	24.146	E	124	?			0.6	7	SOUTHERN GREECE. MD 3.5 (ATH).
	27	08 05 09.4*	21.776	N	122.170	E	10	G	3.9	3.7	1.2	10	TAIWAN REGION
	27	08 29 06.5*	2.336	N	83.162	W	10	G	4.4		1.1	15	OFF COAST OF CENTRAL AMERICA
	27	09 14 48.0	12.550	N	123.461	E	33	N	5.0	5.1	1.1	30	LUZON, PHILIPPINE ISLANDS
	27	09 48 44.2%	40.777	N	29.340	E	10	G			0.1	5	TURKEY
	27	09 49 21.3	41.441	N	11.573	E	18		3.8		0.9	62	TYRRHENIAN SEA. MD 3.9 (STR). ML 3.7 (LDG).
	27	10 02 38.0%	39.143	N	27.539	E	10	G			0.8	5	TURKEY
	27	10 08 03.6	40.120	N	29.296	E	10	G			0.7	7	TURKEY
	27	10 11 31.8?	39.15	N	27.53	E	10	G			0.5	4	TURKEY
	27	10 17 15.9%	40.494	N	23.658	E	10	G			0.6	5	GREECE. MD 1.7 (THE).
	27	10 22 26.1*	40.084	N	29.281	E	10	G			1.5	5	TURKEY
	27	10 24 44.4?	39.65	N	29.48	E	10	G			0.3	4	TURKEY
	27	10 55 42.0?	39.13	N	27.56	E	10	G			0.5	4	TURKEY
	27	11 26 35.1?	39.59	N	29.47	E	10	G			1.3	5	TURKEY
	27	11 54 24.3	5.566	N	31.967	E	10	G	4.3	4.5	0.8	12	SUDAN
	27	12 48 01.7*	41.694	N	19.930	E	10	G			0.8	6	ALBANIA. ML 2.5 (TTG).
	27	13 25 38.8?	40.81	N	29.63	E	10	G			0.1	4	TURKEY
	27	15 02 22.7?	45.53	S	95.92	E	10	G	4.7	5.0	1.2	15	SOUTHEAST INDIAN RISE
	27	15 03 17.3?	41.14	N	28.46	E	5	G			0.8	4	TURKEY
	27	15 27 28.0?	17.85	N	65.74	W	10	G			1.2	4	PUERTO RICO REGION
	27	15 34 10.3	48.229	N	152.889	E	118	*	4.8		1.0	102	KURIL ISLANDS
	27	15 38 13.8*	30.176	S	72.308	W	33	N	4.4		1.5	13	OFF COAST OF CENTRAL CHILE
	27	15 59 56.8&	62.539	N	148.455	W	61					35	CENTRAL ALASKA. <AEIC>.
	27	16 27 03.3	12.535	N	123.475	E	47		4.7	4.4	1.1	31	LUZON, PHILIPPINE ISLANDS
	27	16 46 29.1	23.275	S	69.139	W	81	D	4.7		1.0	20	NORTHERN CHILE. Felt (IV) at Sierra Gorda and Calama; (III) at Antofagasta, Tocanao, Talabre, San Pedro de Atacama and Maria Elena.
	27	16 52 26.1	5.434	S	151.687	E	69	*	4.5		0.9	24	NEW BRITAIN REGION
	27	17 24 50.1	45.537	N	5.995	E	9				0.8	35	FRANCE. ML 3.0 (LDG), 2.6 (GEN). MD 3.0 (STR).
	27	18 20 02.1?	38.52	N	118.39	W	5	G			0.0	4	CALIFORNIA–NEVADA BORDER REGION. ML 2.6 (GS).
	27	18 30 58.8*	15.755	N	95.705	E	33	N	4.3		1.2	8	SOUTH BURMA
	27	20 37 01.8&	63.064	N	150.846	W	123					34	CENTRAL ALASKA. <AEIC>.
	27	20 44 18.2*	40.618	N	29.036	E	10	G			0.3	5	TURKEY
	27	20 59 18.8	39.806	N	22.709	E	5	G			0.3	10	GREECE. MD 2.4 (THE).
	27	21 40 10.6*	26.168	N	97.175	E	33	N			0.8	5	BURMA
	27	22 08 04.8*	26.318	N	97.226	E	33	N	4.0		1.5	10	BURMA
	27	22 17 55.0	40.443	N	45.443	E	33	N	4.3		1.2	30	EASTERN CAUCASUS
	27	23 00 47.7	50.207	N	5.834	E	5	G			0.9	22	BELGIUM. ML 3.0 (LDG), 2.8 (BNS).
	27	23 06 21.5	40.835	N	28.785	E	10	G			0.6	11	TURKEY
	27	23 39 45.3	37.652	N	118.912	W	5	G			0.7	6	CALIFORNIA–NEVADA BORDER REGION. ML 2.3 (GS).
	28	00 43 23.4*	30.854	S	67.469	W	10	G			1.2	7	SAN JUAN PROVINCE, ARGENTINA
	28	00 54 34.1&	47.680	N	120.327	W	1					61	WASHINGTON. <SEA>. CL 3.3 (SEA). Felt (IV) at Ardenvair and (III) at Entiat.
	28	01 18 42.5*	36.513	N	121.178	W	5	G			0.3	5	CENTRAL CALIFORNIA. MD 2.8 (GM). Felt (V) at Salinas and (IV) at Pacific Grove. Also felt at Greenfield.
	28	02 04 26.7*	60.833	S	26.542	W	33	N	5.0		0.8	13	SOUTH SANDWICH ISLANDS REGION
	28	02 17 46.4%	39.294	N	29.109	E	10	G			1.0	6	TURKEY
	28	02 29 50.2*	38.344	N	21.983	E	10	G			0.8	8	GREECE. ML 3.1 (ATH).
	28	02 48 47.3?	16.08	N	61.03	W	10	G			0.3	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	28	02 49 43.0	36.083	N	27.836	E	97		3.8		0.8	41	DODECANESE ISLANDS. MD 3.7 (ATH).
	28	02 50 26.3*	31.473	S	67.878	W	10	G			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	28	03 17 22.4*	60.699	S	26.174	W	33	N	5.0		1.3	20	SOUTH SANDWICH ISLANDS REGION
	28	03 38 56.5?	38.49	N	14.22	E	10	G			1.1	4	SICILY
	28	03 40 07.9%	15.386	N	60.784	W	28				0.4	10	LEEWARD ISLANDS. ML 2.4 (FDF).
	28	03 41 46.0?	15.75	N	96.20	E	33	N			0.4	5	SOUTH BURMA
	28	03 57 18.1?	19.10	N	66.50	W	33	N			0.3	5	PUERTO RICO REGION
	28	04 56 47.5%	40.538	N	23.673	E	10	G			0.3	5	GREECE. MD 1.7 (THE).
	28	05 40 37.6*	22.104	S	68.786	W	132	*	3.7		1.3	8	NORTHERN CHILE
a	28	07 22 36.8	18.308	S	168.015	E	29	D	5.2	5.2	1.3	137	VANUATU ISLANDS
	28	07 58 31.9*	18.207	S	167.974	E	26	*	4.6	5.3	1.2	36	VANUATU ISLANDS
	28	08 22 37.9	43.424	N	5.466	E	5	G			1.0	12	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	28	08 36 54.3%	42.700	N	19.176	E	10	G			0.4	9	YUGOSLAVIA. ML 1.1 (TTG).
	28	08 57 15.2*	18.317	S	168.096	E	30	*	4.7		1.2	16	VANUATU ISLANDS
	28	11 37 39.2?	35.86	N	12.54	E	10	G			0.7	5	MEDITERRANEAN SEA. MD 3.2 (ROM).
	28	12 11 33.0*	16.309	S	174.597	W	33	N	4.7	5.0	1.3	17	TONGA ISLANDS
	28	12 52 31.7	40.384	N	28.866	E	10	G			0.6	9	TURKEY
	28	12 58 31.3*	37.679	N	118.909	W	5	G			1.2	6	CALIFORNIA–NEVADA BORDER REGION. ML 2.2 (GS).
	28	15 08 26.0%	41.141	N	23.568	E	5	G			0.7	7	GREECE–BULGARIA BORDER REGION. MD 2.1 (THE).

	28	15	18	44.6?	29.76	S	67.25	W	118	?			0.9	6	LA RIOJA PROVINCE, ARGENTINA
	28	15	55	42.4%	40.097	N	29.141	E	10	G			1.1	5	TURKEY
	28	16	00	11.0%	39.853	N	30.213	E	10	G			0.5	5	TURKEY
	28	17	31	08.4	15.460	S	166.244	E	33	N	4.9	4.2	1.0	31	VANUATU ISLANDS
	28	18	11	05.0?	44.44	N	141.40	E	226	?	4.0		0.5	8	HOKKAIDO, JAPAN REGION
	28	18	32	15.2	37.080	N	71.366	E	28	?	4.8	3.8	0.8	64	AFGHANISTAN-USSR BORDER REGION
	28	19	01	27.0?	14.15	N	91.20	W	44	?	4.4		1.0	14	GUATEMALA
	28	19	08	03.7*	38.150	N	27.417	E	10	G			0.4	5	TURKEY
	28	19	56	08.4&	63.656	N	149.528	W	126					42	CENTRAL ALASKA. <AEIC>.
	28	20	29	26.5*	21.556	N	121.143	E	10	G	4.0	3.6	1.4	5	TAIWAN REGION
	28	20	44	22.1*	18.385	S	167.944	E	10	G	4.3		1.2	13	VANUATU ISLANDS
	28	21	12	36.9?	35.51	S	112.23	W	10	G	5.0		1.1	26	EASTER ISLAND CORDILLERA
	28	21	21	23.4	46.944	N	152.173	E	33	N	5.0	4.4	0.7	82	KURIL ISLANDS
	28	22	53	28.2	36.568	N	12.181	W	33	N	4.3		0.8	51	NORTH ATLANTIC OCEAN. MD 4.3 (RBA). mbLg 3.9 (MDD).
	29	00	03	32.8&	19.311	N	155.221	W	10		3.5			44	HAWAII. <HVO-P>. ML 3.9 (HVO). Felt (III) at Hilo, Mountainview and Volcano.
	29	01	24	12.9%	44.247	N	7.487	E	10	G			0.4	7	NORTHERN ITALY. ML 1.6 (GEN).
	29	02	20	26.5*	36.185	N	70.577	E	97	?	4.3		0.9	9	HINDU KUSH REGION
	29	03	40	21.6*	51.703	N	16.364	E	10	G			0.5	10	POLAND. ML 3.4 (VKA), 3.4 (GRF), 3.3 (KBA).
	29	03	54	39.3?	39.49	N	16.47	E	10	G			0.5	5	SOUTHERN ITALY
	29	04	35	27.8	39.452	N	20.492	E	10	G			1.0	7	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	29	04	47	21.0&	60.981	N	151.932	W	83		2.7			58	KENAI PENINSULA, ALASKA. <AEIC>.
	29	05	50	47.4	28.772	S	67.230	W	143	*	4.6		1.2	27	LA RIOJA PROVINCE, ARGENTINA
	29	05	56	14.1*	16.905	N	60.459	W	30				0.6	16	LEEWARD ISLANDS. ML 3.3 (FDF).
	29	06	42	22.4&	61.007	N	147.228	W	21					42	SOUTHERN ALASKA. <AEIC>.
	29	06	51	39.1*	38.163	N	72.182	E	33	N	4.0		0.8	9	TAJIK SSR
	29	07	09	20.4	46.455	N	2.617	E	11				0.9	17	FRANCE. ML 3.0 (LDG). MD 2.7 (STR).
	29	07	11	49.5?	46.47	N	2.57	E	10	G			0.2	4	FRANCE. ML 1.7 (LDG).
	29	07	48	25.8	56.841	N	152.964	W	10	G	4.6		0.9	63	KODIAK ISLAND REGION. ML 4.2 (PMR).
	29	07	55	26.5%	39.783	N	20.514	E	10	G			1.1	6	GREECE-ALBANIA BORDER REGION
	29	08	25	16.8*	40.347	N	25.685	E	10	G			0.7	7	AEGEAN SEA
	29	08	54	48.0&	62.119	N	149.761	W	47		2.7			73	CENTRAL ALASKA. <AEIC>. ML 3.0 (PMR). Felt (III) at Skwentna.
a	29	09	06	06.4	5.210	N	32.672	E	10	G	5.5	4.9	1.0	140	SUDAN
	29	09	09	55.7	25.310	N	124.201	E	143	*	4.1		1.1	19	NORTHEAST OF TAIWAN
	29	10	00	04.3*	50.633	N	14.528	E	10	G			0.5	5	CZECHOSLOVAKIA. ML 3.5 (VKA), 3.2 (KBA), 3.1 (GRF).
	29	10	31	05.4%	39.576	N	29.443	E	10	G			0.4	5	TURKEY
	29	11	32	24.6&	63.263	N	149.742	W	105		2.7			42	CENTRAL ALASKA. <AEIC>.
	29	11	34	21.0	79.734	N	124.066	E	10	G	4.6	4.3	1.3	37	EAST OF SEVERNAYA ZEMLYA
	29	12	31	57.1*	1.872	S	100.504	E	63	*	4.9		0.9	24	SOUTHERN SUMATERA
	29	13	15	58.6?	43.04	N	23.72	E	10	G			1.0	6	BULGARIA. MD 2.6 (THE).
	29	13	27	51.9	60.727	N	166.911	E	33	N	5.1	4.4	0.9	96	EASTERN SIBERIA
	29	13	44	06.7&	37.382	N	121.772	W	6					18	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.4*10**14 Nm (BRK). Felt at San Jose.
	29	13	57	48.7*	32.994	S	72.089	W	39	*	4.5		1.0	23	OFF COAST OF CENTRAL CHILE
	29	14	37	55.2%	44.307	N	11.946	E	5	G			0.8	7	NORTHERN ITALY
	29	15	12	40.7%	44.398	N	7.379	E	10	G			0.3	5	NORTHERN ITALY. ML 1.9 (GEN).
	29	15	18	34.2	18.403	S	174.521	W	33	N	5.1		0.9	17	TONGA ISLANDS
	29	16	16	26.7	33.193	S	71.664	W	10	G			1.1	14	NEAR COAST OF CENTRAL CHILE
	29	16	20	16.8&	60.100	N	152.611	W	102		2.7			38	SOUTHERN ALASKA. <AEIC>.
	29	16	54	31.2	5.405	N	32.951	E	10	G	4.8	4.0	1.2	23	SUDAN
	29	17	32	30.0*	40.150	N	78.775	E	33	N	4.1		0.7	10	SOUTHERN XINJIANG, CHINA
	29	17	44	37.8?	64.31	N	170.60	W	10	G	3.2		1.2	8	BERING STRAIT
	29	17	55	02.2?	22.44	S	68.77	W	33	N	4.5		1.4	5	NORTHERN CHILE
	29	18	11	26.3	23.910	N	121.483	E	10	G	3.7		0.5	7	TAIWAN
	29	18	48	32.1&	61.657	N	150.709	W	56					35	SOUTHERN ALASKA. <AEIC>.
	29	20	04	33.0*	31.634	S	68.184	W	98	?			0.3	7	SAN JUAN PROVINCE, ARGENTINA
a	29	20	13	48.3	3.959	S	80.907	W	38		5.2	4.9	0.9	151	PERU-ECUADOR BORDER REGION. Mo=1.3*10**17 Nm (PPT).
	29	21	13	57.3*	43.223	N	20.766	E	10	G			0.6	8	YUGOSLAVIA. MD 3.2 (THE).
	29	21	27	03.6?	29.24	S	68.72	W	33	N			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	29	22	13	44.0%	10.500	N	61.746	W	33	N			0.8	10	TRINIDAD. MD 3.7 (TRN). Felt (II) in northern Trinidad.
	29	22	25	55.1	32.867	S	71.499	W	21				0.8	13	NEAR COAST OF CENTRAL CHILE
	29	23	28	33.9	41.669	N	23.023	E	10	G			0.6	8	GREECE-BULGARIA BORDER REGION. MD 2.5 (THE).
	29	23	49	41.7*	5.676	N	126.945	E	160	*	4.3		1.1	12	MINDANAO, PHILIPPINE ISLANDS
	30	00	44	14.7%	70.990	N	5.971	W	10	G			0.4	8	JAN MAYEN ISLAND REGION. MD 3.1 (BER).
	30	01	34	23.1%	37.131	N	4.805	W	10	G			0.5	8	SPAIN. mbLg 2.8 (MDD).
	30	01	48	29.4%	0.590	S	78.513	W	33	N			1.0	8	ECUADOR
	30	01	53	22.5*	3.760	S	80.804	W	69	*	4.7		0.7	16	PERU-ECUADOR BORDER REGION
	30	02	53	43.0	32.069	S	69.068	W	127	*			1.0	19	MENDOZA PROVINCE, ARGENTINA
	30	03	04	58.9	39.415	N	16.360	E	13		3.7		0.8	61	SOUTHERN ITALY. MD 3.5 (ATH).
	30	03	39	41.0*	15.545	S	175.139	W	33	N	4.5	4.7	1.0	29	TONGA ISLANDS
	30	06	51	53.3	37.769	N	18.559	E	10	G			0.7	20	IONIAN SEA. MD 3.3 (ATH), 3.0 (THE).
a	30	07	37	52.0	16.111	S	174.826	W	20	D	5.1	5.2	1.1	57	TONGA ISLANDS
	30	07	38	07.5%	40.707	N	27.419	E	10	G			0.3	5	TURKEY
	30	08	49	27.0	44.769	N	7.893	E	33	N			0.4	20	NORTHERN ITALY. ML 2.6 (LDG), 2.5 (GEN).
	30	09	24	03.1*	7.218	S	128.929	E	128	?	4.9		1.0	22	BANDA SEA
	30	09	28	32.7*	33.137	S	71.772	W	17	*			1.2	13	NEAR COAST OF CENTRAL CHILE
	30	09	59	54.0?	39.07	N	27.67	E	10	G			0.2	4	TURKEY
	30	10	00	47.1?	39.10	N	27.56	E	10	G			0.1	4	TURKEY
	30	10	56	49.7?	30.31	S	69.02	W	100	G			0.4	5	CHILE-ARGENTINA BORDER REGION
	30	11	06	34.8?	44.03	N	11.27	E	10	G			1.0	4	NORTHERN ITALY. MD 2.4 (ROM).
	30	11	26	11.4*	7.881	S	146.760	E	10	G	4.0		1.0	5	EAST PAPUA NEW GUINEA REGION
	30	12	00	52.4%	39.665	N	29.356	E	10	G			0.5	6	TURKEY
	30	12	07	21.4%	39.496	N	27.931	E	10	G			0.8	7	TURKEY
	30	12	10	06.3%	39.605	N	29.373	E	10	G			0.4	5	TURKEY
a	30	12	58	34.1	71.083	N	7.568	W	10	G	4.9	4.5	1.3	107	JAN MAYEN ISLAND REGION. MD 4.3 (BER).
	30	13	34	05.9%	41.045	N	29.295	E	10	G			0.5	6	TURKEY
	30	14	38	14.6%	18.478	N	100.706	W	33	N			0.5	6	GUERRERO, MEXICO
	30	14	40	25.5?	21.02	S	173.34	W	33	N	5.1		0.9	13	TONGA ISLANDS
	30	15	23	42.1	38.458	N	71.249	E	141	*	4.3		0.9	23	AFGHANISTAN-USSR BORDER REGION
	30	16	02	08.3%	43.007	N	18.694	E	10	G			0.6	6	YUGOSLAVIA. ML 1.1 (TTG).
	30	17	09	27.2	18.155	N	99.919	W	50	*			0.9	10	GUERRERO, MEXICO
	30	17	35	17.5?	12.89	N	124.92	E	63	?	4.6		1.5	6	SAMAR, PHILIPPINE ISLANDS

	30	18	14	03.3?	7.89	S	128.63	E	144 ?	3.8	1.2	10	BANDA SEA
	30	18	17	18.7	26.988	N	129.370	E	33 N	4.5	1.1	28	RYUKYU ISLANDS
	30	18	26	46.8	1.361	N	123.493	E	33 N	4.7 4.3	0.9	32	MINAHASSA PENINSULA
	30	18	46	47.1&	59.545	N	150.665	W	37			36	KENAI PENINSULA, ALASKA. <AEIC>.
	30	20	19	01.6*	23.761	S	67.847	W	33 N		0.4	5	CHILE-ARGENTINA BORDER REGION
	30	20	33	19.1	38.716	N	23.312	E	10 G		0.6	13	GREECE. ML 3.1 (ATH).
	30	20	56	35.7%	39.713	N	27.810	E	5 G		0.7	13	TURKEY
	30	21	02	48.2	38.736	N	23.398	E	10 G		0.2	10	GREECE. ML 2.8 (ATH).
	30	21	41	26.6	23.250	S	69.076	W	78	5.1	1.1	66	NORTHERN CHILE. Felt (IV) at Calama and (III) at Mejillones and Antofagasta.
	30	23	15	53.8	19.121	N	121.297	E	34 *	4.6 3.9	1.0	27	PHILIPPINE ISLANDS REGION
	30	23	46	02.4&	59.930	N	152.369	W	99			39	SOUTHERN ALASKA. <AEIC>.
	30	23	53	28.1	34.543	N	23.556	E	29 *	4.3 3.5	1.0	51	CRETE. MD 4.2 (ATH).
	31	00	38	23.4*	42.735	N	12.815	E	10 G		1.2	5	CENTRAL ITALY
	31	01	09	41.9	37.093	N	29.553	E	10 G		0.6	10	TURKEY. ML 3.5 (ATH).
	31	01	20	50.1*	31.707	S	67.702	W	10 G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
	31	02	24	15.3*	37.062	N	29.563	E	10 G		0.8	5	TURKEY
	31	02	47	37.2?	33.04	S	72.16	W	25 *		1.1	11	OFF COAST OF CENTRAL CHILE
	31	03	00	30.8	70.891	N	6.006	W	10 G		1.2	10	JAN MAYEN ISLAND REGION. MD 3.1 (BER).
	31	03	07	24.5?	33.03	S	71.84	W	33 N		1.0	9	NEAR COAST OF CENTRAL CHILE
	31	03	29	09.6	42.675	N	12.932	E	7		1.0	17	CENTRAL ITALY
	31	04	31	31.6&	36.957	N	121.727	W	11			16	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt (IV) at Marina.
	31	04	49	44.1?	9.73	S	123.96	E	33 N	4.7	0.5	5	TIMOR
	31	05	26	41.1	24.430	N	123.783	E	33 N	4.6	1.0	25	SOUTHWESTERN RYUKYU ISLANDS
	31	05	29	22.0	32.056	N	115.631	W	5 G		0.9	15	CALIFORNIA-MEXICO BORDER REGION. ML 3.2 (PAS), 3.3 (ECX).
	31	05	58	27.7	23.761	N	121.677	E	21 *	3.8	1.0	6	TAIWAN
	31	06	01	36.0	41.237	N	22.721	E	10 G		1.3	10	YUGOSLAVIA. MD 3.1 (ATH).
	31	06	03	26.3*	31.972	S	69.563	W	33 N		0.7	5	SAN JUAN PROVINCE, ARGENTINA
	31	06	55	59.7*	33.081	S	71.820	W	25		1.2	11	NEAR COAST OF CENTRAL CHILE
	31	08	01	12.6	39.595	N	143.801	E	9	4.3	0.9	21	OFF EAST COAST OF HONSHU, JAPAN
	31	08	05	34.9	39.579	N	143.735	E	10	4.3	0.7	17	OFF EAST COAST OF HONSHU, JAPAN
	31	09	35	48.3*	33.092	S	72.054	W	14		1.1	10	OFF COAST OF CENTRAL CHILE
	31	09	57	39.4	16.353	S	174.185	W	146 D	4.9	1.0	98	TONGA ISLANDS
	31	10	54	43.0&	63.181	N	149.833	W	100	2.7		70	CENTRAL ALASKA. <AEIC>.
	31	11	38	53.5%	39.702	N	29.323	E	10 G		0.4	6	TURKEY
	31	11	49	18.4%	39.567	N	29.403	E	10 G		0.8	6	TURKEY
	31	11	58	18.0&	61.586	N	146.461	W	26			47	SOUTHERN ALASKA. <AEIC>.
	31	12	56	09.9?	5.59	S	128.09	E	240 ?		1.5	8	BANDA SEA
	31	13	10	42.4?	5.97	S	130.37	E	33 N	4.0	1.5	5	BANDA SEA
	31	13	22	29.7%	45.990	N	0.654	W	10 G		1.2	6	FRANCE. ML 2.5 (LDG).
	31	13	39	33.9&	47.429	N	124.008	W	25	2.4		68	NEAR COAST OF WASHINGTON. <SEA>. CL 2.7 (SEA).
	31	14	44	37.8	40.792	N	27.902	E	12 *		1.2	8	TURKEY
	31	15	22	59.9	45.340	N	6.730	E	5 G		1.0	10	FRANCE. ML 2.4 (LDG), 2.1 (GEN).
	31	16	45	00.6*	34.735	N	139.998	E	30	4.2	0.7	14	NEAR S. COAST OF HONSHU, JAPAN
	31	17	21	46.4&	59.726	N	152.743	W	86	3.4		59	SOUTHERN ALASKA. <AEIC>.
	31	21	28	37.6*	34.989	N	24.345	E	88 *	3.4	0.8	11	CRETE. MD 3.9 (ATH).
	31	21	35	24.6%	39.804	N	113.838	E	10 G		1.3	5	NORTHEASTERN CHINA. ML 3.6 (BJI).
a	31	22	39	10.5	16.656	S	172.703	W	33 N	5.2 5.0	1.2	76	SAMOA ISLANDS REGION. Ma=2.0*10**17 Nm (PPT).
	31	22	53	10.0%	44.453	N	7.300	E	10 G		0.2	5	NORTHERN ITALY. ML 1.4 (GEN).
	31	22	54	23.5*	43.634	N	19.432	E	10 G		1.4	10	YUGOSLAVIA. ML 1.7 (TTG).
	31	23	14	16.8	44.885	N	6.776	E	10 G		0.7	18	FRANCE. ML 2.5 (LDG), 2.5 (GEN).
	31	23	19	26.9	19.514	N	38.731	E	10 G	4.6	0.7	54	RED SEA
	31	23	40	57.7	6.359	S	148.609	E	76 *	4.9	1.3	19	NEW BRITAIN REGION

A D D I T I O N A L S O U R C E P A R A M E T E R S

01 17 30 26.05 10.939N 84.637W 197km
6.1mb (100 abs.)
COSTA RICA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=130 Dip=62 Slip= 100
NP2: 289 30 72
Principal Axes:
T Plg=71 Azm= 62
P 16 213
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a small strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 1.1±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 197 No. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Val= 2.21 Plg=82 Azm= 32
N 0.02 0 299
P -2.23 8 209
Best Double Couple:Mo=2.2*10**18
NP1:Strike=298 Dip=37 Slip= 89
NP2: 119 53 91
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 52C
Centroid Location:
Origin Time 17:30:32.3 0.2
Lat 10.89N 0.02 Lon 84.67W 0.02
Dep 199.9 0.9 Half-duration 4.5
Principal Axes:
Scale 10**18 Nm
T Val= 1.93 Plg=71 Azm= 32
N -0.24 2 296
P -1.69 19 205
Best Double Couple:Mo=1.8*10**18
NP1:Strike=291 Dip=26 Slip= 85
NP2: 117 64 93

01 23 06 36.73 40.305N 142.264E 53km
5.2mb (57 abs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 23:06:43.1 1.0
Lat 39.94N 0.10 Lon 141.89E 0.09
Dep 53.0 6.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.68 Plg=58 Azm=234
N 3.21 27 17
P -9.89 16 116
Best Double Couple:Mo=8.3*10**16
NP1:Strike=239 Dip=37 Slip= 138
NP2: 5 66 60

02 22 41 10.04 21.940S 174.919W 33km
5.1mb (10 abs.) 5.1Msz (3 abs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 36C
Centroid Location:
Origin Time 22:41:13.4 0.5
Lat 22.15S 0.06 Lon 174.52W 0.05
Dep 27.5 3.4 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.71 Plg=70 Azm=300
N 0.23 3 201
P -1.95 20 110
Best Double Couple:Mo=1.8*10**17
NP1:Strike=194 Dip=25 Slip= 82
NP2: 22 65 94

02 23 06 03.76 21.996S 175.031W 44km
5.6mb (32 abs.) 5.0Msz (7 abs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 48C
Centroid Location:
Origin Time 23:06: 7.2 0.5
Lat 22.05S 0.06 Lon 174.60W 0.05
Dep 23.1 2.6 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.48 Plg=70 Azm=279
N 0.20 5 23
P -2.68 19 115
Best Double Couple:Mo=2.6*10**17
NP1:Strike=213 Dip=27 Slip= 101
NP2: 21 64 84

03 06 00 16.20 22.536S 174.699W 33km

5.0mb (11 obs.) 4.8Msz (1 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 27C
Centroid Location:
Origin Time 06:00:16.9 1.1
Lat 22.72S 0.13 Lon 174.14W 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.58	85	9
N	0.52	5	200
P	-7.10	1	110

Best Double Couple:Mo=6.8*10**16
NP1:Strike=195 Dip=44 Slip= 83
NP2: 24 46 97

03 15 20 24.73 21.867S 175.057W 16km
6.0mb (53 obs.) 6.1Msz (33 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 50 Dip=60 Slip= 110
NP2: 194 36 59
Principal Axes:

	Plg=	Azm=
T	68	1
P	13	126

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate right-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 8.1±2.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 20 No. of sta: 18
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.15	58	358
N	-0.01	26	218
P	-1.15	18	119

Best Double Couple:Mo=1.1*10**18
NP1:Strike=175 Dip=35 Slip= 42
NP2: 50 67 118
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 72C
Centroid Location:
Origin Time 15:20:32.0 0.3
Lat 22.09S 0.03 Lon 174.58W 0.02
Dep 23.2 1.2 Half-duration 4.7
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.88	70	331
N	0.34	7	223
P	-2.22	19	130

Best Double Couple:Mo=2.0*10**18
NP1:Strike=209 Dip=26 Slip= 75
NP2: 46 65 97

05 13 49 06.36 3.231N 83.343W 15km
5.9mb (66 obs.) 5.5Msz (13 obs.)
OFF COAST OF CENTRAL AMERICA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 45 Dip=54 Slip= 39
NP2: 290 59 137
Principal Axes:

	Plg=	Azm=
T	51	254
P	3	348

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. F
Energy 1.8±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.36	63	129
N	0.23	24	280
P	-3.59	12	15

Best Double Couple:Mo=3.5*10**17
NP1:Strike=132 Dip=39 Slip= 129
NP2: 266 61 63
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 52C
Centroid Location:
Origin Time 13:49: 8.6 0.5
Lat 3.16N 0.05 Lon 83.13W 0.05
Dep 15.0 BDY Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.51	79	180
N	-0.73	1	277
P	-2.79	11	7

Best Double Couple:Mo=3.2*10**17
NP1:Strike= 99 Dip=34 Slip= 92
NP2: 276 56 88

05 22 35 48.13 3.984S 102.369E 59km
5.9mb (64 obs.)
SOUTHERN SUMATERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=118 Dip=60 Slip= 125
NP2: 244 45 45
Principal Axes:

	Plg=	Azm=
T	59	79
P	9	184

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 2.4±0.9*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 50C
Centroid Location:
Origin Time 22:35:53.5 0.4
Lat 4.40S 0.03 Lon 102.51E 0.04
Dep 53.5 2.8 Half-duration 2.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.91	70	17
N	1.09	1	109
P	-5.00	20	199

Best Double Couple:Mo=4.4*10**17
NP1:Strike=290 Dip=25 Slip= 92
NP2: 108 65 89

06 02 18 12.75 0.275N 124.717E 102km
5.2mb (30 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 02:18:16.8 1.3
Lat 0.75N 0.09 Lon 124.86E 0.10
Dep 87.2 5.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.81	44	291
N	0.74	44	134
P	-7.55	12	33

Best Double Couple:Mo=7.2*10**16
NP1:Strike= 82 Dip=51 Slip= 26
NP2: 335 70 138

06 13 08 02.90 57.179S 66.972W 10km
4.9mb (4 obs.) 4.5Msz (2 obs.)
DRAKE PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Location:
Origin Time 13:08:10.0 0.6
Lat 57.22S 0.08 Lon 66.38W 0.19
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.05	16	145
N	-1.09	74	325
P	-5.96	0	55

Best Double Couple:Mo=6.5*10**16
NP1:Strike=189 Dip=79 Slip= 169
NP2: 281 79 11

06 15 44 25.93 30.515S 178.589W 228km
5.5mb (32 obs.)
KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 43C
Centroid Location:
Origin Time 15:44:33.5 0.5
Lat 29.68S 0.06 Lon 178.92W 0.05
Dep 219.1 2.2 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.57	50	217
N	0.36	21	334
P	-2.93	33	79

Best Double Couple:Mo=2.8*10**17
NP1:Strike=219 Dip=23 Slip= 157
NP2: 331 81 68

08 01 42 00.33 7.230N 93.447E 53km
5.0mb (33 obs.)
NICOBAR ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 26C
Centroid Location:
Origin Time 01:42: 2.8 0.6
Lat 7.41N 0.07 Lon 93.48E 0.07
Dep 33.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.46	31	73
N	-3.47	43	309
P	-6.98	31	185

Best Double Couple:Mo=8.7*10**16
NP1:Strike=219 Dip=43 Slip= 0
NP2: 309 90 -133

08 11 36 28.43 60.904N 167.023E 13km
6.4mb (93 obs.) 6.6Msz (30 obs.)
EASTERN SIBERIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=227 Dip=73 Slip= 90
NP2: 47 17 90
Principal Axes:

	Plg=	Azm=
T	62	137
P	28	317

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 18 Focal mech. F
Energy 1.0±2.1*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 10 No. of sta: 22
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	7.80	53	168
N	0.22	9	66
P	-8.02	36	329

Best Double Couple:Mo=7.9*10**18
NP1:Strike= 20 Dip=13 Slip= 43
NP2: 247 81 99
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 75C M.W.: 15S, 37C
Centroid Location:
Origin Time 11:36:36.0 0.1
Lat 60.94N 0.02 Lon 167.35E 0.02
Dep 15.0 BDY Half-duration 7.6
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	9.75	79	149
N	0.73	3	42
P	-10.49	11	311

Best Double Couple:Mo=1.0*10**19
NP1:Strike= 37 Dip=34 Slip= 84
NP2: 224 56 94

09 01 01 23.10 54.877S 131.533W 10km
5.7mb (24 obs.) 5.8Msz (20 obs.)
SOUTH PACIFIC CORDILLERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 95 Dip=81 Slip= 3
NP2: 5 87 171
Principal Axes:

	Plg=	Azm=
T	8	319
P	4	50

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 12 No. of sta: 6
Principal Axes:
Scale 10**17 Nm

T Val= 8.81 Plg= 2 Azm=315
N -0.08 83 59
P -8.73 7 225
Best Double Couple:Mo=8.8*10**17
NP1:Strike= 1 Dip=84 Slip=-176
NP2: 270 86 -6
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 60C
Centroid Location:
Origin Time 01:01:33.2 0.2
Lat 54.45S 0.03 Lon 131.68W 0.04
Dep 15.0 FIX Half-duration 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 10.52 Plg=10 Azm=335
N 0.89 74 208
P -11.41 13 67
Best Double Couple:Mo=1.1*10**18
NP1:Strike=111 Dip=74 Slip= -2
NP2: 201 88 -164

09 04 19 00.94 13.388N 145.486E 59km
5.1mb (23 obs.) 4.8Msz (6 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centroid Location:
Origin Time 04:19: 0.2 0.7
Lat 13.56N 0.08 Lon 146.05E 0.07
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 11.83 Plg=63 Azm=249
N 3.61 18 18
P -15.44 20 115
Best Double Couple:Mo=1.4*10**17
NP1:Strike=233 Dip=30 Slip= 129
NP2: 10 67 70

10 00 59 46.97 21.856S 179.315W 613km
5.4mb (51 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 00:59:52.8 1.1
Lat 21.45S 0.17 Lon 179.58W 0.10
Dep 627.6 7.3 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.99 Plg=32 Azm=133
N -1.78 28 243
P -9.21 45 4
Best Double Couple:Mo=1.0*10**17
NP1:Strike=169 Dip=29 Slip=-166
NP2: 66 83 -62

10 03 53 43.65 3.792S 144.396E 26km
5.1mb (19 obs.) 5.2Msz (15 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 38C
Centroid Location:
Origin Time 03:53:48.0 0.4
Lat 3.47S 0.04 Lon 144.53E 0.03
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.42 Plg= 3 Azm=110
N 0.39 79 214
P -3.81 11 19
Best Double Couple:Mo=3.6*10**17
NP1:Strike=155 Dip=80 Slip=-174
NP2: 64 84 -10

11 06 28 44.17 9.030S 157.369E 28km
5.4mb (29 obs.) 4.7Msz (5 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 31C
Centroid Location:
Origin Time 06:28:46.3 1.0
Lat 9.27S 0.11 Lon 157.29E 0.06
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.67 Plg= 0 Azm=124
N 0.80 90 180
P -7.46 0 34
Best Double Couple:Mo=7.1*10**16
NP1:Strike=169 Dip=90 Slip=-180
NP2: 259 90 0

11 18 33 43.12 37.009N 30.989E 113km
5.1mb (90 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 26C
Centroid Location:
Origin Time 18:33:47.3 1.5
Lat 36.75N 0.12 Lon 30.73E 0.11
Dep 122.6 4.2 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.03 Plg=66 Azm=127
N 0.16 22 282
P -6.19 9 16
Best Double Couple:Mo=6.1*10**16
NP1:Strike=131 Dip=41 Slip= 125
NP2: 268 58 64

11 21 15 56.42 51.154S 29.255E 10km
5.8mb (57 obs.) 6.3Msz (25 obs.)
SOUTH OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 53C M.W.: 19S, 38C
Centroid Location:
Origin Time 21:16: 4.1 0.1
Lat 50.49S 0.01 Lon 29.37E 0.02
Dep 15.0 FIX Half-duration 5.9
Principal Axes:
Scale 10**18 Nm
T Val= 4.48 Plg= 2 Azm=162
N -0.04 83 266
P -4.43 7 72
Best Double Couple:Mo=4.5*10**18
NP1:Strike=207 Dip=84 Slip=-176
NP2: 117 86 -6

12 06 04 05.08 23.161N 120.053E 17km
5.6mb (81 obs.) 5.2Msz (8 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 30C
Centroid Location:
Origin Time 06:04: 2.8 0.6
Lat 23.34N 0.08 Lon 119.66E 0.09
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.37 Plg= 4 Azm=172
N 0.37 80 58
P -1.74 9 262
Best Double Couple:Mo=1.5*10**17
NP1:Strike=307 Dip=81 Slip= -4
NP2: 37 86 -171

13 08 01 52.66 12.680N 44.552W 10km
4.8mb (33 obs.) 4.6Msz (5 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 08:01:56.0 0.7
Lat 12.37N 0.07 Lon 44.27W 0.04
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**16 Nm
T Val= 9.20 Plg= 0 Azm=228
N -0.80 90 180
P -8.39 0 138
Best Double Couple:Mo=8.8*10**16
NP1:Strike=273 Dip=90 Slip=-180
NP2: 3 90 0

13 08 42 29.09 4.926N 82.561W 10km
5.0mb (43 obs.) 4.9Msz (9 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 58C
Centroid Location:
Origin Time 08:42:39.4 0.7
Lat 5.25N 0.06 Lon 82.34W 0.04
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.95 Plg= 0 Azm=135
N -0.62 90 180
P -3.33 0 45
Best Double Couple:Mo=3.6*10**17
NP1:Strike=180 Dip=90 Slip=-180
NP2: 270 90 0

14 15 57 52.48 51.794N 175.264W 39km
5.5mb (89 obs.) 5.1Msz (26 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 50C
Centroid Location:
Origin Time 15:57:54.3 0.2
Lat 51.71N 0.03 Lon 175.10W 0.04
Dep 33.4 2.4 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.97 Plg=62 Azm=314
N 0.13 4 52
P -4.11 28 145
Best Double Couple:Mo=4.0*10**17
NP1:Strike=246 Dip=18 Slip= 105
NP2: 51 73 85

15 18 51 00.28 29.132S 68.684W 114km
5.5mb (47 obs.)
SAN JUAN PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 35C
Centroid Location:
Origin Time 18:51: 8.3 0.5
Lat 28.86S 0.06 Lon 68.61W 0.07
Dep 124.5 3.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.82 Plg=22 Azm=238
N -0.49 9 144
P -8.33 66 32
Best Double Couple:Mo=8.6*10**16
NP1:Strike=345 Dip=25 Slip= -68
NP2: 140 67 -100

15 21 52 03.34 17.971S 172.928W 78km
5.4mb (20 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 40C
Centroid Location:
Origin Time 21:52: 0.8 1.4
Lat 17.08S 0.17 Lon 172.93W 0.08
Dep 123.3 4.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.42 Plg=53 Azm=292
N 0.33 2 200
P -1.75 37 108
Best Double Couple:Mo=1.6*10**17
NP1:Strike=186 Dip= 9 Slip= 77
NP2: 20 82 92

16 06 02 10.93 10.174N 85.184W 33km
5.3mb (69 obs.) 6.3Msz (42 obs.)
COSTA RICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 72C
Centroid Location:
Origin Time 06:02:14.4 0.3
Lat 9.76N 0.03 Lon 85.43W 0.03
Dep 15.0 BDY Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 3.26 Plg=62 Azm= 39
N -0.08 3 304
P -3.18 28 212
Best Double Couple:Mo=3.2*10**18
NP1:Strike=295 Dip=17 Slip= 81
NP2: 124 73 93

19 12 09 24.84 34.825N 26.335E 23km
5.4mb (82 obs.) 5.4Msz (20 obs.)
CRETE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 51C
Centroid Location:
Origin Time 12:09:27.5 0.7
Lat 34.60N 0.09 Lon 26.13E 0.07
Dep 15.0 FIX Half-duration 2.3

Principal Axes:
Scale 10**17 Nm
T Val= 3.18 Plg=20 Azm=116
N -1.29 30 13
P -1.89 53 234
Best Double Couple:Mo=2.5*10**17
NP1:Strike=245 Dip=36 Slip= -33
NP2: 2 71 -122

20 13 08 57.89 5.791S 80.897W 35km
5.3mb (34 obs.) 5.5Msz (20 obs.)
NEAR COAST OF NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 22S, 54C
Centroid Locotion:
Origin Time 13:09: 2.5 0.3
Lat 5.94S 0.04 Lon 80.94W 0.04
Dep 18.4 2.3 Half-durotion 3.6
Principal Axes:
Scole 10**17 Nm
T Vol= 10.72 Plg=57 Azm= 71
N 0.52 6 170
P -11.25 32 263
Best Double Couple:Mo=1.1*10**18
NP1:Strike= 13 Dip=14 Slip= 114
NP2: 168 77 84

21 05 04 45.12 62.809N 149.512W 79km
5.0mb (29 obs.)
CENTRAL ALASKA
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 19S, 29C
Centroid Location:
Origin Time 05:04:53.3 0.6
Lot 63.01N 0.11 Lon 150.25W 0.16
Dep 82.5 5.3 Half-durotion 1.5
Principal Axes:
Scole 10**16 Nm
T Vol= 6.86 Plg= 5 Azm=310
N -0.38 84 153
P -6.48 2 40
Best Double Couple:Mo=6.7*10**16
NP1:Strike= 85 Dip=85 Slip= 2
NP2: 355 88 175

21 05 53 12.06 9.710S 79.774W 25km
5.4mb (30 obs.) 5.9Msz (26 obs.)
OFF COAST OF NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 23S, 57C
Centroid Location:
Origin Time 05:53:17.1 0.3
Lat 9.78S 0.03 Lon 80.07W 0.04
Dep 15.0 FIX Half-duration 4.3
Principal Axes:
Scale 10**18 Nm
T Val= 1.85 Plg=61 Azm= 70
N 0.12 1 162
P -1.96 29 252
Best Double Couple:Mo=1.9*10**18
NP1:Strike=344 Dip=16 Slip= 92
NP2: 161 74 89

21 18 27 36.01 11.668S 166.544E 33km
5.5mb (31 obs.) 5.4Msz (11 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 21S, 49C
Centraid Location:
Origin Time 18:27:48.6 0.4
Lat 11.19S 0.04 Lon 165.99E 0.02
Dep 53.3 1.6 Half-durotion 2.7
Principal Axes:
Scole 10**17 Nm
T Vol= 4.69 Plg=76 Azm=327
N 0.51 11 183
P -5.20 8 91
Best Double Couple:Mo=4.9*10**17
NP1:Strike=168 Dip=38 Slip= 72
NP2: 11 54 104

21 20 08 01.28 20.878S 177.930W 527km
5.2mb (55 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 16S, 28C
Centroid Location:
Origin Time 20:08:11.8 1.0
Lat 20.16S 0.13 Lon 178.10W 0.07
Dep 523.2 4.3 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Vol= 1.39 Plg=19 Azm=134
N -0.02 11 228
P -1.37 67 347
Best Double Couple:Mo=1.4*10**17
NP1:Strike=206 Dip=28 Slip=-115
NP2: 53 65 -78

23 00 36 44.90 36.353N 70.682E 215km
5.0mb (78 obs.)
HINDU KUSH REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 12S, 22C
Centroid Locotion:
Origin Time 00:36:47.6 1.6
Lot 35.86N 0.17 Lon 70.43E 0.15
Dep 209.2 6.2 Half-durotion 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.81 Plg=55 Azm= 70
N 0.62 17 315
P -8.44 30 215
Best Double Couple:Mo=8.1*10**16
NP1:Strike=265 Dip=21 Slip= 38
NP2: 139 77 107

23 08 41 00.41 33.876N 38.969W 10km
5.0mb (55 obs.) 5.0Msz (11 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 36C
Centroid Locotion:
Origin Time 08:41: 6.4 1.4
Lat 34.09N 0.11 Lon 38.88W 0.15
Dep 15.0 FIX Half-durotion 1.6
Principal Axes:
Scole 10**16 Nm
T Vol= 10.20 Plg= 9 Azm=151
N -1.41 72 271
P -8.79 15 58
Best Double Couple:Mo=9.5*10**16
NP1:Strike=195 Dip=73 Slip=-176
NP2: 104 86 -17

23 20 38 49.87 48.261N 154.854E 41km
5.4mb (83 obs.) 5.0Msz (20 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 34C
Centroid Locotion:
Origin Time 20:38:57.0 0.3
Lat 48.27N 0.05 Lon 154.76E 0.04
Dep 33.8 2.9 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.54 Plg=73 Azm=333
N 0.64 7 218
P -3.18 15 126
Best Double Couple:Mo=2.9*10**17
NP1:Strike=206 Dip=31 Slip= 76
NP2: 42 60 98

24 06 39 22.00 16.831S 177.305E 12km
5.2mb (21 obs.) 5.1Msz (9 obs.)
FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 17S, 33C
Centroid Location:
Origin Time 06:39:30.9 0.7
Lat 16.28S 0.08 Lon 177.14E 0.04
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.70 Plg=11 Azm=136
N -0.01 69 16
P -1.69 17 229
Best Double Couple:Mo=1.7*10**17
NP1:Strike=272 Dip=70 Slip= -5
NP2: 3 85 -160

25 00 20 31.59 19.111S 176.806W 336km
5.1mb (30 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 00:20:39.6 1.4
Lot 18.58S 0.14 Lon 176.75W 0.09
Dep 336.0 4.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Vol= 8.70 Plg=53 Azm=283
N 0.48 35 79
P -9.18 12 177
Best Double Couple:Mo=8.9*10**16
NP1:Strike=303 Dip=45 Slip= 143
NP2: 61 65 51

25 18 02 41.50 39.887N 113.923E 10km
5.1mb (42 obs.) 5.5Msz (4 obs.)
NORTHEASTERN CHINA
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 18:02:44.1 0.7
Lot 40.10N 0.07 Lon 113.34E 0.09
Dep 15.0 FIX Half-durotion 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 1.83 Plg=10 Azm=330
N -0.41 80 154
P -1.42 1 60
Best Double Couple:Mo=1.6*10**17
NP1:Strike=106 Dip=82 Slip= 7
NP2: 15 83 172

26 03 58 23.26 21.704N 121.789E 18km
5.8mb (76 obs.) 6.3Msz (23 obs.)
TAIWAN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=248 Dip=85 Slip=-169
NP2: 157 79 -5
Principal Axes:
T Plg= 4 Azm= 22
P 11 113
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 27 No. of sta: 7
Principal Axes:
Scale 10**18 Nm
T Val= 7.33 Plg= 5 Azm= 22
N -0.05 85 192
P -7.27 1 292
Best Double Couple:Mo=7.3*10**18
NP1:Strike= 67 Dip=86 Slip= 177
NP2: 157 87 4
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 13S, 37C M.W.: 15S, 35C
Centroid Location:
Origin Time 03:58:27.6 0.2
Lat 22.15N 0.02 Lon 121.65E 0.03
Dep 15.0 FIX Half-durotion 5.2
Principal Axes:
Scale 10**18 Nm
T Val= 3.07 Plg= 7 Azm= 22
N -0.07 71 271
P -2.99 18 114
Best Double Couple:Mo=3.0*10**18
NP1:Strike=157 Dip=73 Slip= -8
NP2: 249 83 -162

26 06 19 28.41 21.673N 121.826E 19km
5.2mb (52 obs.) 5.1Msz (4 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 06:19:37.8 1.1
Lat 21.68N 0.12 Lon 122.36E 0.11
Dep 37.5 9.2 Half-durotion 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 1.76 Plg= 0 Azm=212
N 0.50 90 180
P -2.26 0 122
Best Double Couple:Mo=2.0*10**17
NP1:Strike=257 Dip=90 Slip=-180
NP2: 347 90 0

26 10 24 23.98 21.867N 121.610E 10km

5.3mb (39 obs.) 5.5Msz (7 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 10:24:25.7 1.2
Lat 22.46N 0.11 Lon 122.33E 0.10
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	1.34	15	161
N	0.21	26	258
P	-1.55	59	44

Best Double Couple:Mo=1.5*10**17
NP1:Strike=219 Dip=38 Slip=-136
NP2: 91 65 -61

26 12 34 58.04 19.722N 70.314W 33km
5.5mb (86 obs.) 5.9Msz (26 obs.)
DOMINICAN REPUBLIC REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 53C
Centroid Location:
Origin Time 12:34:56.5 0.6
Lat 19.95N 0.05 Lon 69.76W 0.04
Dep 23.1 5.1 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	6.46	1	330
N	-0.53	83	228
P	-5.93	7	60

Best Double Couple:Mo=6.2*10**17
NP1:Strike=104 Dip=84 Slip= -4
NP2: 195 86 -174

26 19 00 19.98 5.422S 146.746E 237km
5.5mb (45 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 32C
Centroid Location:
Origin Time 19:00:28.6 0.8
Lat 5.03S 0.08 Lon 146.71E 0.06
Dep 236.9 3.1 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val	Plg	Azm
T	13.89	61	63
N	0.60	13	308
P	-14.49	26	212

Best Double Couple:Mo=1.4*10**17
NP1:Strike=274 Dip=23 Slip= 54
NP2: 133 72 104

28 07 22 36.86 18.308S 168.015E 29km

5.2mb (22 obs.) 5.2Msz (21 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 52C
Centroid Location:
Origin Time 07:22:44.6 0.6
Lat 17.81S 0.07 Lon 168.00E 0.04
Dep 15.2 FIX Half-duration 2.7
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	5.77	60	50
N	-0.10	8	155
P	-5.67	29	249

Best Double Couple:Mo=5.7*10**17
NP1:Strike= 2 Dip=18 Slip= 118
NP2: 152 74 81

29 09 06 06.44 5.210N 32.672E 10km
5.5mb (57 obs.) 4.9Msz (12 obs.)
SUDAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 26C
Centroid Location:
Origin Time 09:06:21.2 1.0
Lat 5.43N 0.12 Lon 31.84E 0.08
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	1.29	33	8
N	0.56	10	272
P	-1.86	56	167

Best Double Couple:Mo=1.6*10**17
NP1:Strike=130 Dip=15 Slip= -51
NP2: 270 78 -100

29 20 13 48.39 3.959S 80.907W 38km
5.2mb (39 obs.) 4.9Msz (15 obs.)
PERU-ECUADOR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 48C
Centroid Location:
Origin Time 20:13:48.8 0.8
Lat 4.27S 0.08 Lon 80.44W 0.10
Dep 41.6 6.4 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	2.62	52	53
N	0.12	24	176
P	-2.74	28	280

Best Double Couple:Mo=2.7*10**17
NP1:Strike= 55 Dip=27 Slip= 151
NP2: 171 77 66

30 07 37 52.05 16.111S 174.826W 20km

5.1mb (22 obs.) 5.2Msz (4 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 43C
Centroid Location:
Origin Time 07:38: 6.1 1.1
Lat 15.01S 0.10 Lon 174.86W 0.06
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	2.09	18	245
N	-0.14	67	27
P	-1.95	13	150

Best Double Couple:Mo=2.0*10**17
NP1:Strike=287 Dip=68 Slip= 176
NP2: 18 86 22

30 12 58 34.19 71.083N 7.568W 10km
4.9mb (51 obs.) 4.5Msz (7 obs.)
JAN MAYEN ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 19C
Centroid Location:
Origin Time 12:58:43.1 1.0
Lat 71.41N 0.14 Lon 8.08W 0.21
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val	Plg	Azm
T	6.39	0	157
N	-0.74	90	180
P	-5.65	0	67

Best Double Couple:Mo=6.0*10**16
NP1:Strike=202 Dip=90 Slip=-180
NP2: 292 90 0

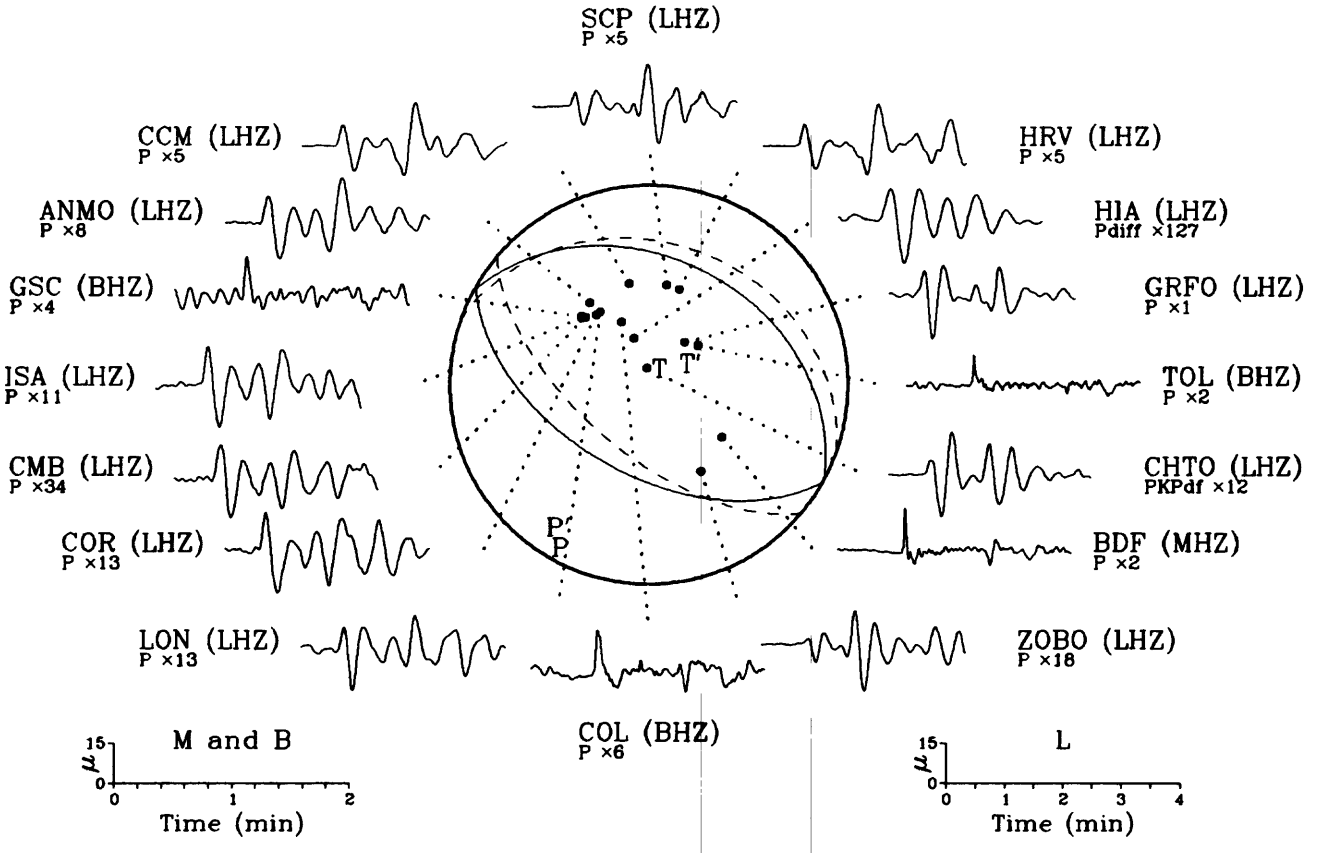
31 22 39 10.53 16.656S 172.703W 33km
5.2mb (21 obs.) 5.0Msz (3 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centroid Location:
Origin Time 22:39:17.1 0.8
Lat 16.55S 0.13 Lon 172.34W 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	1.43	64	285
N	0.16	1	17
P	-1.59	26	107

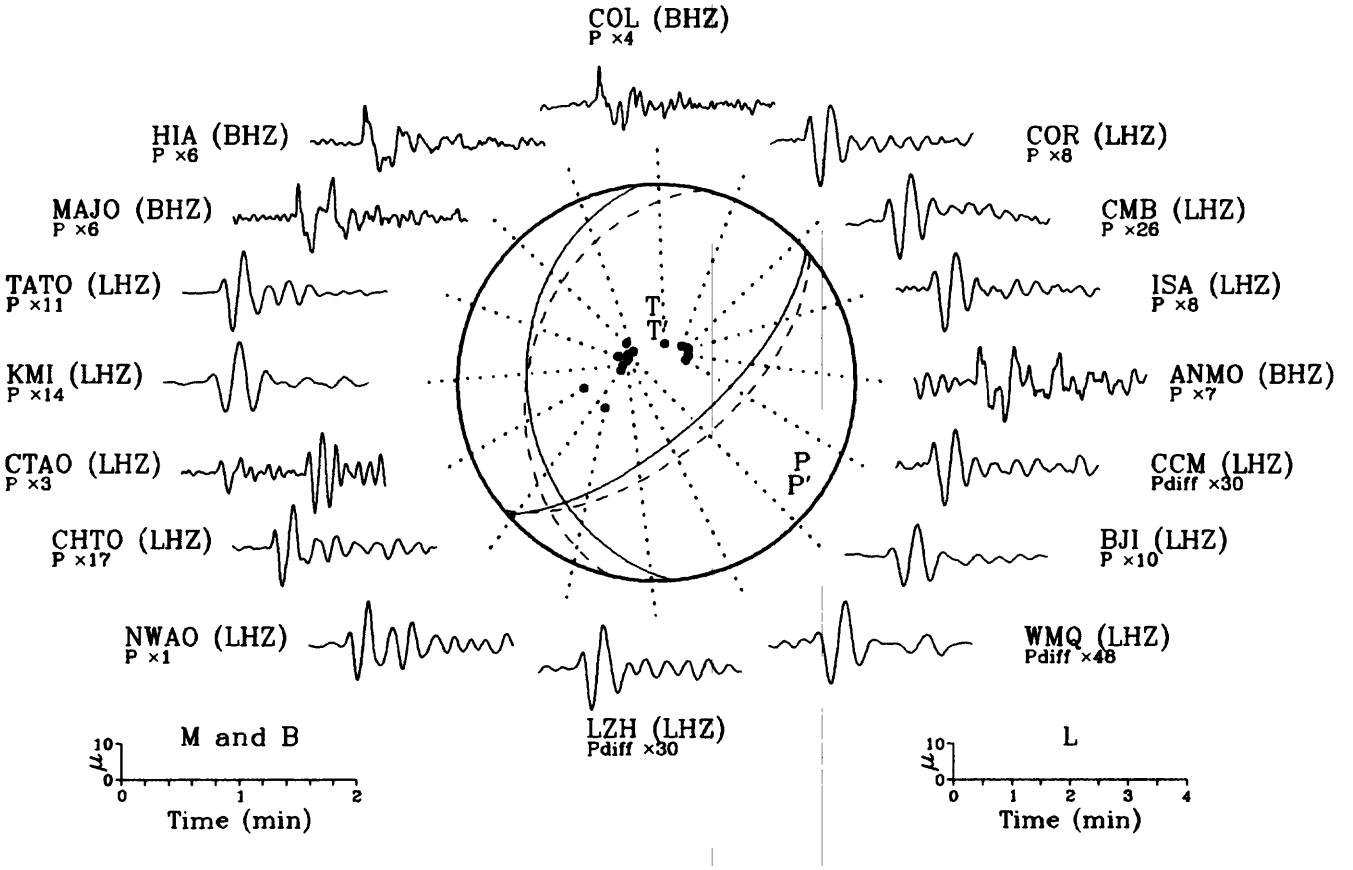
Best Double Couple:Mo=1.5*10**17
NP1:Strike=199 Dip=19 Slip= 93
NP2: 16 71 89

Compiled by Pingsheng Chang, Willis S. Jacobs, Christino K. Lavanne, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrove and William H. Schmieder.

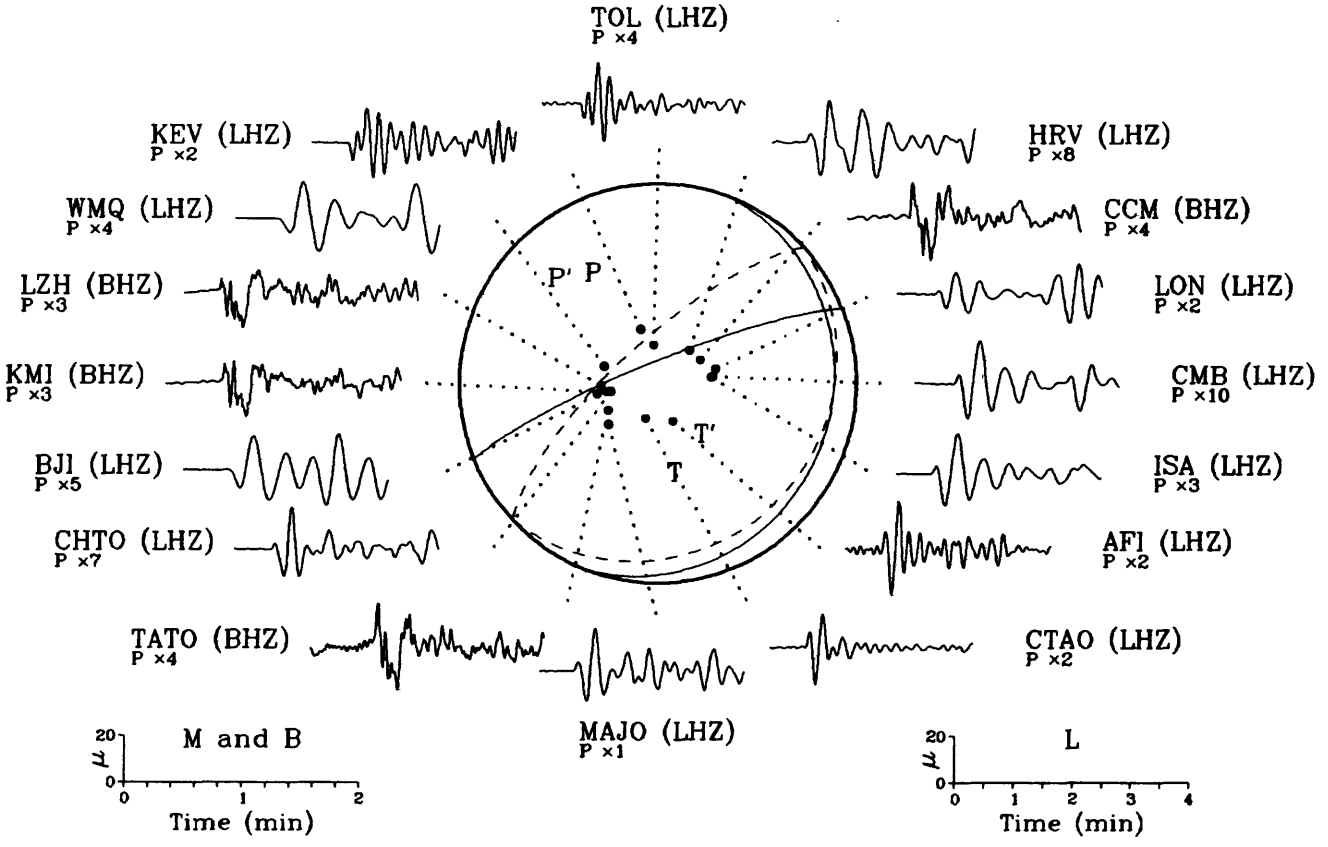
01 March 1991 17:30:26.05
Costa Rica



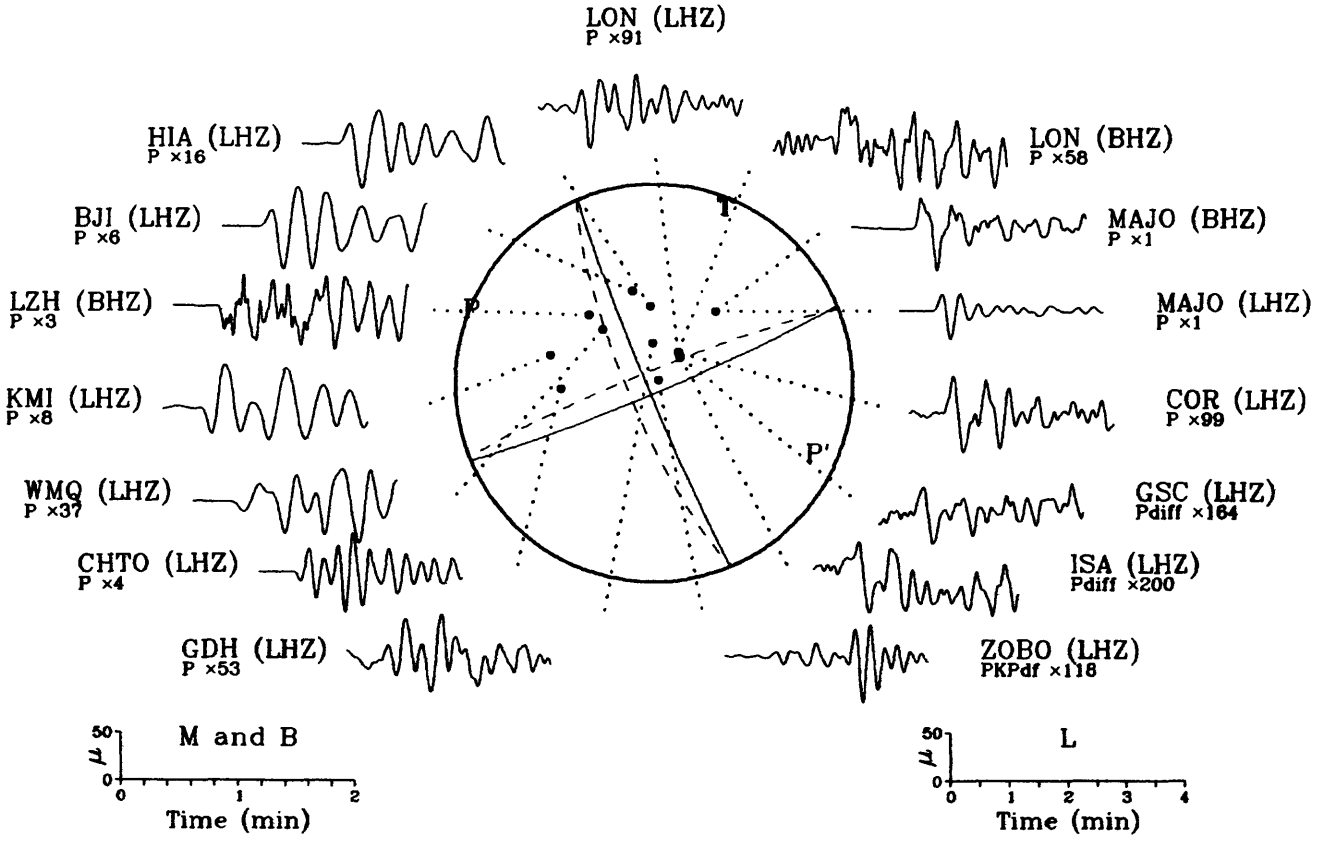
03 March 1991 15:20:24.73
Tonga Islands



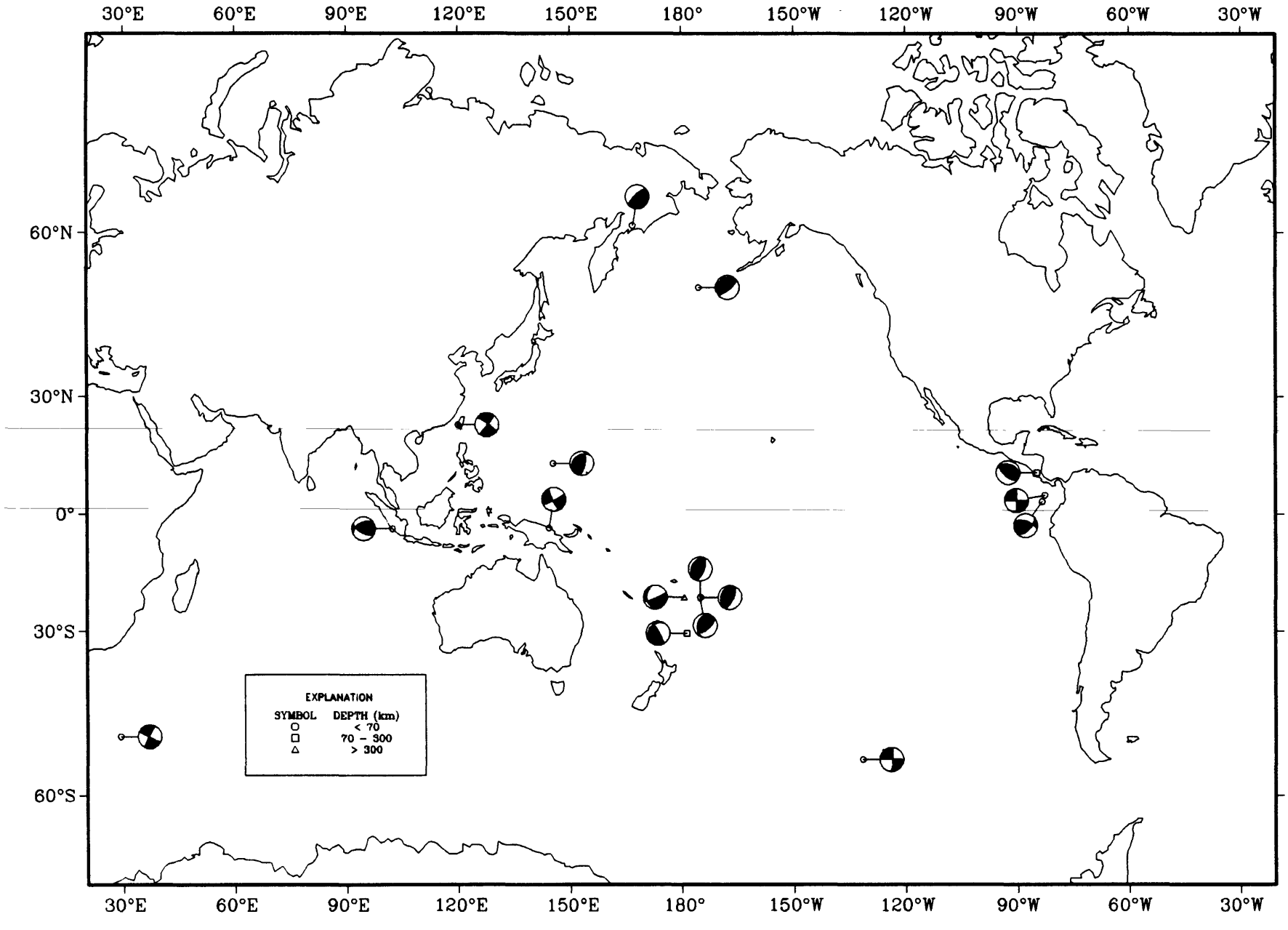
08 March 1991 11:36:28.43
Eastern Siberia

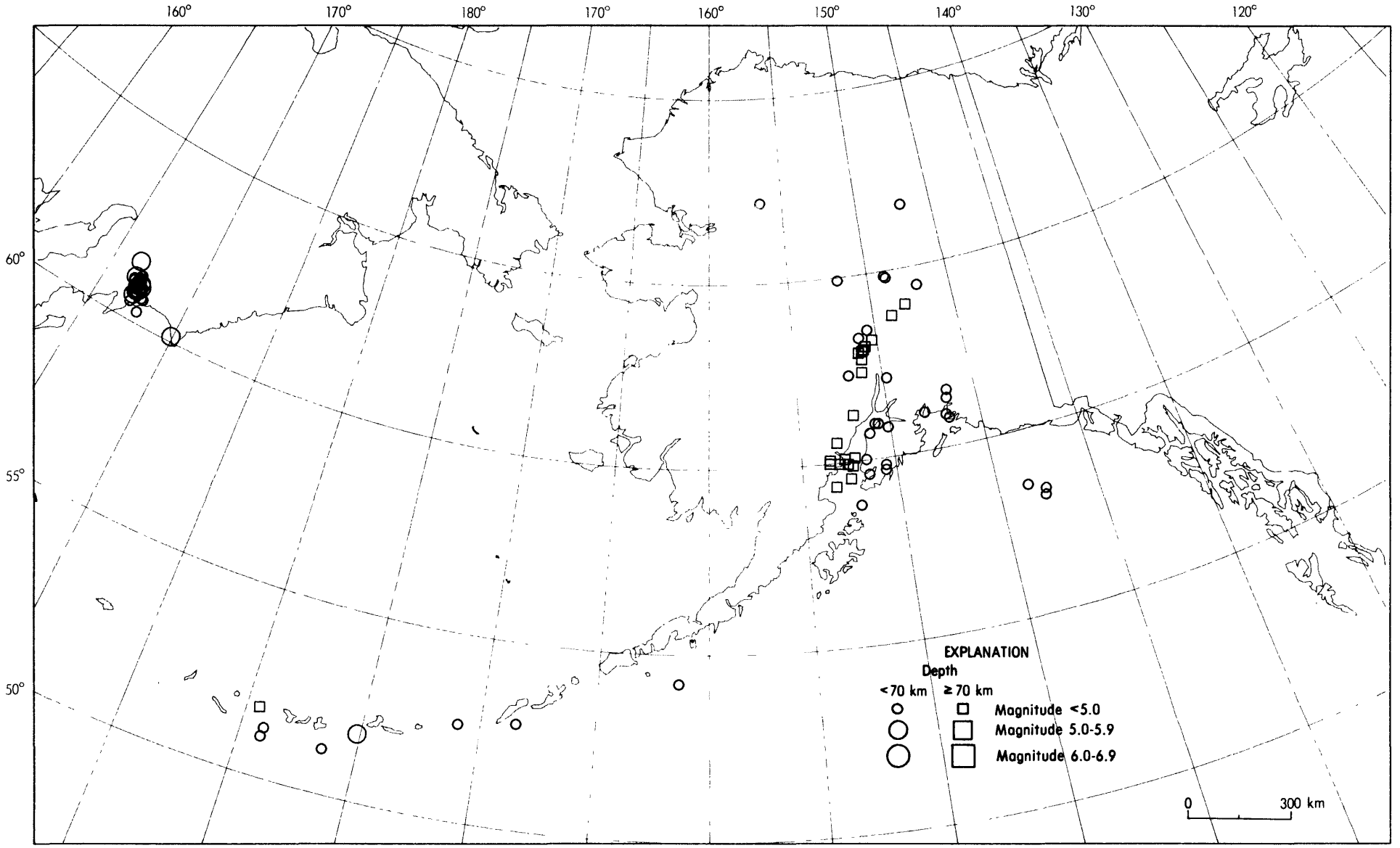


26 March 1991 03:58:23.26
Taiwan Region

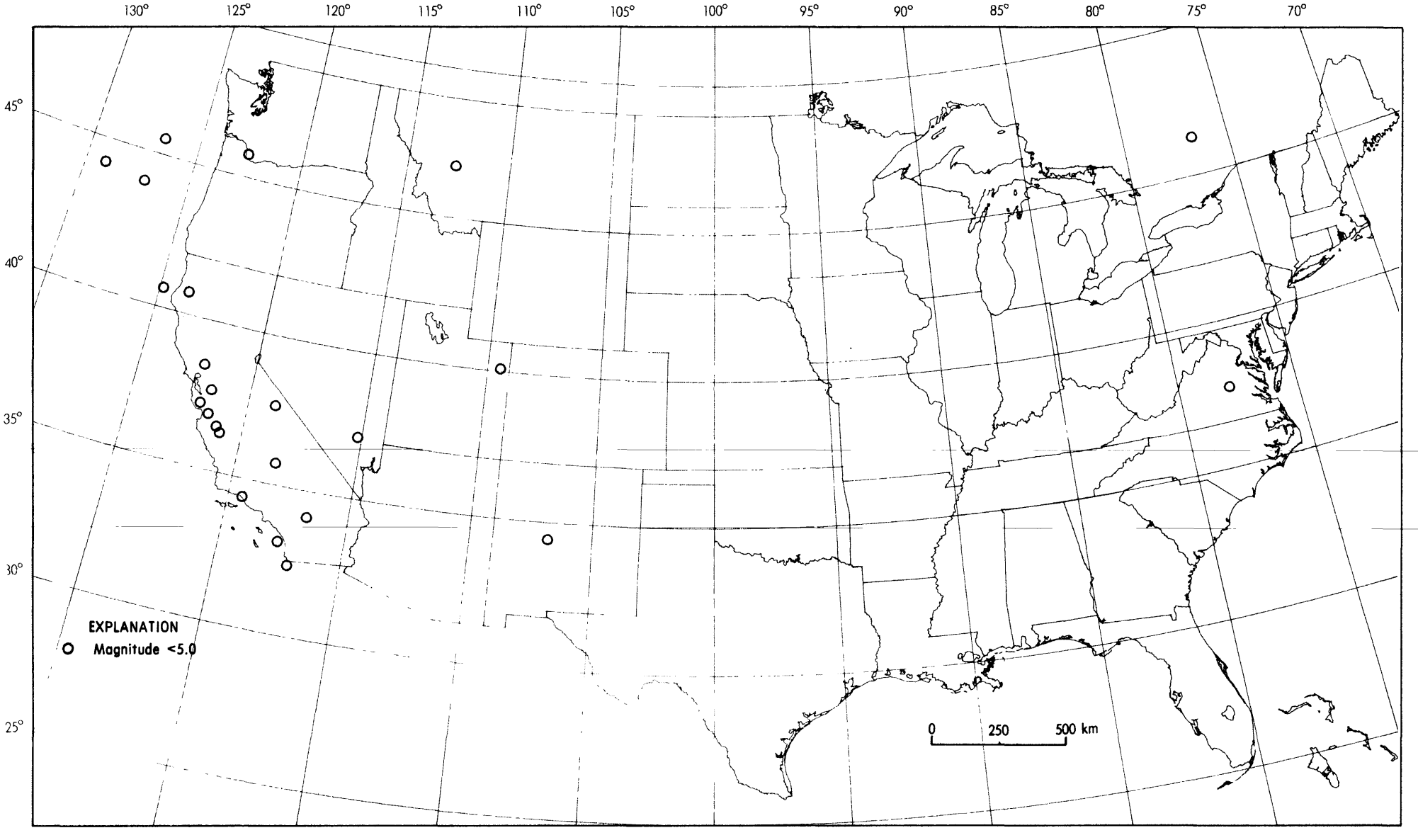


Earthquake Focal Mechanisms for March 1991

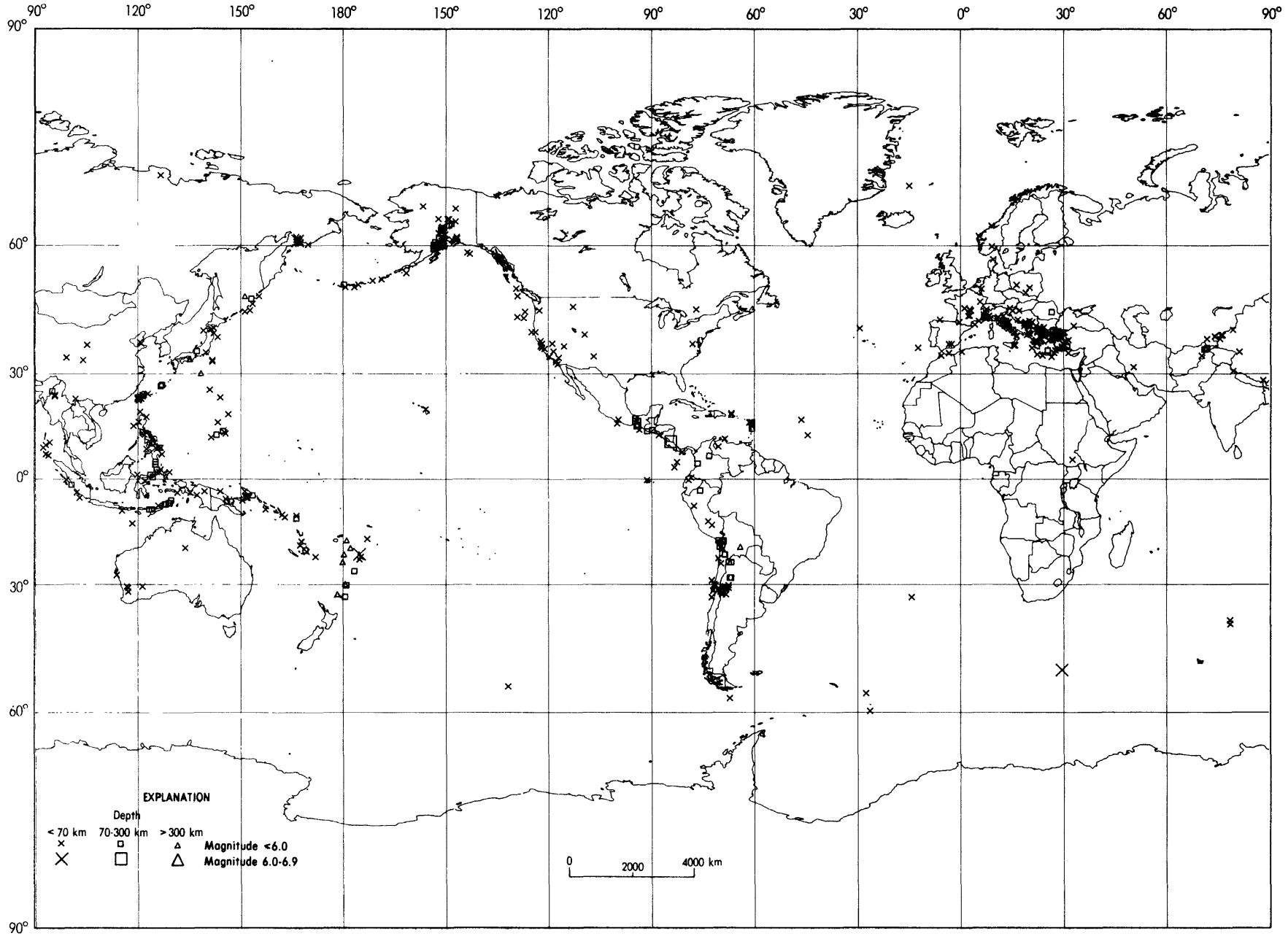




Earthquake epicenters in Alaska and adjacent regions for March, 1991 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for March, 1991 (C. Stover).



Earthquakes located in March, 1991 (C. Stover).

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