UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

APRIL - JUNE, 1988

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

88-600-B

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

1989

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National Earthquake Information Center

APRIL 1988

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	10	54.0*	38.621	N	14.286	E	33	N			0.6	5	SICILY
	01	00	43	48.6?	30.92	N	34.84	E	10	G			0.3	6	DEAD SEA REGION
	01	01	04	54.2*	37.417	N	71.773	E	33	N	4.5		0.4	7	AFGHANISTAN-USSR BORDER REGION
	01	01	27	16.0	47.529	N	89.645	E	10	G	4.6		1.3	22	NORTHERN XINJIANG, CHINA
	01	02	05	29.0?	18.44	S	175.35	W	240	?	5.0		1.1	13	TONGA ISLANDS
	01	03	19	40.3*	12.494	S	166.871	E	33	N	4.1		1.1	19	SANTA CRUZ ISLANDS
	01	06	34	35.7	24.053	N	122.133	E	10	G			0.4	9	TAIWAN REGION
	01	07	01	33.0*	9.995	N	93.030	E	194	?	3.5		1.4	11	NICOBAR ISLANDS REGION
	01	07	26	28.8?	7.21	S	103.21	E	33	N	4.9		1.2	12	SOUTHWEST OF SUMATERA
	01	07	42	07.4*	38.864	N	27.819	E	10	G			0.4	5	TURKEY
	01	07	49	35.9*	8.780	S	118.504	E	118	?	4.4		1.0	12	SUMBAWA ISLAND REGION
	01	08	30	32.8*	24.056	N	122.160	E	10	G			0.2	8	TAIWAN REGION
	01	08	41	59.2&	31.810	N	117.060	W	6	G				13	OFF W. COAST OF BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	01	08	42	00.1&	40.512	N	123.872	W	8					12	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	01	08	48	55.3?	6.64	S	105.11	E	33	N	4.4		1.1	11	SUNDA STRAIT
	01	08	56	32.2?	9.50	S	120.73	E	33	N	3.5		1.1	6	SUMBA ISLAND REGION
	01	09	57	13.9*	45.303	N	150.736	E	33	N	4.8		0.7	15	KURIL ISLANDS
	01	10	02	25.6%	39.170	N	27.602	E	10	G			0.3	5	TURKEY
	01	10	27	22.7&	40.357	N	124.552	W	15					18	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	01	12	25	58.5?	35.71	N	21.23	E	33	N	3.6		1.4	5	MEDITERRANEAN SEA. ML 3.6 (ATH).
	01	12	59	33.6	10.338	N	60.800	W	64		4.5		1.0	25	TRINIDAD
	01	13	48	53.2%	38.254	N	26.130	W	10	G			0.2	8	AZORES ISLANDS
a	01	14	26	40.6	18.782	S	177.853	W	573		5.7		0.8	246	FIJI ISLANDS REGION
	01	16	07	11.8*	6.606	S	147.020	E	88	*	4.6		1.4	13	EAST PAPUA NEW GUINEA REGION
	01	16	26	48.5&	58.286	N	152.632	W	75					17	KODIAK ISLAND REGION. <AGS-P>.
	01	16	57	14.7?	33.33	S	72.39	W	24				0.9	10	OFF COAST OF CENTRAL CHILE
	01	17	18	29.2&	39.500	N	122.700	W	5	G				10	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK).
	01	18	25	12.5&	57.232	N	144.278	W	10	G	3.7			32	GULF OF ALASKA. <AGS-P>.
	01	18	31	01.5?	6.99	N	73.22	W	191	?	4.1		1.5	10	NORTHERN COLOMBIA
	01	18	36	01.7*	7.212	S	103.294	E	33	N	4.8		0.6	10	SOUTHWEST OF SUMATERA
	01	18	52	53.3&	32.930	N	116.220	W	9					12	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS).
	01	19	45	38.4*	18.861	N	70.768	W	33	N	4.6		1.4	39	DOMINICAN REPUBLIC REGION. Felt at San Jose de Ocoa, San Juan de la Maguana, Barahona and Pedernales.
	01	20	07	03.3?	42.19	N	145.77	E	33	N	4.2		1.9	5	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Nemuro and (I JMA) at Kushiro.
	01	22	28	21.8	19.801	S	133.772	E	10	G			1.1	8	NORTHERN TERRITORY, AUSTRALIA
	01	23	37	38.3*	30.428	S	72.105	W	53	*	4.6		1.0	20	OFF COAST OF CENTRAL CHILE
	01	23	43	22.5	37.696	N	15.216	E	5	G			1.0	14	SICILY. MD 3.1 (ROM). Felt (IV) at San Venerina and Guardia Mangana.
	01	23	52	00.3*	25.460	S	69.681	W	314	*	4.5		1.4	10	NORTHERN CHILE
	02	00	26	55.1&	38.795	N	122.765	W	5					24	NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=3.7*10**15 Nm (BRK). Felt at Cobb Mountain.
	02	01	19	51.4	42.068	N	15.264	E	10	G			1.1	10	ADRIATIC SEA
	02	01	31	47.2*	39.277	N	68.276	E	33	N	4.2		0.6	5	TAJIK SSR. Felt at Dushanbe, Ordzhonikidzeobad and Nurek.
	02	02	34	19.3&	60.191	N	153.170	W	134		3.8			38	SOUTHERN ALASKA. <AGS-P>.
	02	04	18	43.6	18.574	N	62.962	W	33	N	4.6		0.5	17	LEEWARD ISLANDS. ML 4.2 (FDF).
	02	04	20	24.8&	61.740	N	149.378	W	39					35	SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR). Felt (III) at Palmer.
	02	04	24	05.4	18.540	N	120.864	E	52		4.3		0.8	22	LUZON, PHILIPPINE ISLANDS
	02	04	48	07.1	19.714	N	156.570	W	10	G	4.7		0.7	48	HAWAII. Felt on Maui, Oahu and the Island of Hawaii.
	02	04	53	31.7*	53.673	N	163.539	W	33	N	4.7		1.6	40	UNIMAK ISLAND REGION. ML 4.5 (PMR).
a	02	05	14	17.8	31.037	S	179.767	W	333		5.0		1.1	151	KERMADEC ISLANDS REGION
	02	05	30	56.4	48.378	N	153.037	E	160	D	4.9		0.8	101	KURIL ISLANDS
	02	05	53	40.8%	18.008	N	67.088	W	10	G			0.4	7	MONA PASSAGE
	02	06	27	33.1	30.306	N	99.584	E	33	N	5.0		1.5	16	SICHUAN PROVINCE, CHINA
	02	07	15	36.2*	48.267	N	27.440	E	10	G	3.9		1.5	11	SOUTHWESTERN USSR
	02	07	17	12.4	38.749	S	175.634	E	145		5.1		1.5	34	NORTH ISLAND, NEW ZEALAND. Felt on central North Island

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														and at Wellington.
	02	08	13	03.0	44.915	N	32.795	E	33	N	4.2	1.2	34	BLACK SEA
	02	08	25	47.0	63.456	N	151.446	W	33	N		1.1	8	CENTRAL ALASKA. ML 3.3 (PMR).
	02	09	09	30.0	63.093	N	150.811	W	128	*	3.9	1.2	19	CENTRAL ALASKA. Felt (III) at Houston and Palmer.
	02	09	09	47.5*	19.065	N	64.321	W	10	G		0.3	10	VIRGIN ISLANDS. ML 4.3 (FDF).
	02	10	13	11.9	40.770	N	15.835	E	10	G		1.0	8	SOUTHERN ITALY
	02	10	32	22.5*	38.762	N	15.915	E	10	G		0.3	5	SICILY
	02	10	39	45.6?	39.62	N	29.40	E	10	G		0.5	4	TURKEY
	02	10	54	11.5*	45.819	N	14.556	E	10	G		1.1	6	YUGOSLAVIA. ML 2.0 (KBA). MD 2.4 (TRI).
	02	12	08	47.8?	37.73	N	25.25	W	10	G		0.3	7	AZORES ISLANDS
	02	13	49	54.4	36.456	N	70.229	E	228	*	4.2	0.8	34	HINDU KUSH REGION
	02	14	20	56.9?	39.95	N	19.79	E	10	G		1.3	8	GREECE-ALBANIA BORDER REGION. ML 2.9 (TIR).
a	02	14	26	29.0	15.447	S	173.081	W	33	N	5.7 6.1	1.1	193	TONGA ISLANDS. Ms 6.3 (BRK).
	02	14	42	54.7*	15.492	S	173.070	W	33	N	4.9	1.3	49	TONGA ISLANDS
	02	14	56	58.5	15.278	S	172.723	W	33	N	5.0	1.0	50	SAMOA ISLANDS REGION
	02	17	40	04.9*	8.079	S	128.639	E	148	?		0.7	9	TIMOR SEA
	02	18	10	39.9&	58.702	N	155.045	W	132				35	ALASKA PENINSULA. <AGS-P>.
	02	18	58	18.4	4.842	S	144.146	E	105		4.8	0.6	11	NEAR N COAST OF PAPUA NEW GUINEA
	02	19	12	13.0*	51.169	N	16.001	E	10	G		0.6	5	POLAND
a	02	19	45	03.8	5.777	S	80.927	W	33	N	5.2	1.1	39	NEAR COAST OF NORTHERN PERU
	02	20	06	25.6	38.088	N	24.114	E	16		3.2	0.7	30	AEGEAN SEA. ML 3.8 (ATH). Felt in the Athens-Lautsa area.
	02	20	11	10.6?	1.86	S	136.72	E	33	N		1.5	7	WEST IRIAN REGION
	02	20	17	32.7?	38.06	S	72.19	W	33	N		0.6	8	CENTRAL CHILE
	02	20	19	37.1	20.012	S	134.014	E	10	G	4.9	1.0	15	NORTHERN TERRITORY, AUSTRALIA
	02	20	27	56.9	6.925	S	155.634	E	61		5.4	0.8	78	SOLOMON ISLANDS. Felt (IV) at Arawa and Panguna, Bougainville.
	02	21	57	59.4	38.049	N	24.058	E	27		4.4 3.7	1.3	116	AEGEAN SEA. ML 4.1 (ATH). Felt in the Athens-Lautsa area.
	02	22	00	14.1*	15.419	S	173.235	W	33	N	5.1 4.9	1.2	32	TONGA ISLANDS
	02	22	27	51.8&	61.747	N	151.662	W	86				29	SOUTHERN ALASKA. <AGS-P>.
	02	22	48	58.9?	32.13	N	74.46	E	33	N	4.0	1.4	6	SOUTHWESTERN KASHMIR
	02	23	43	01.1&	32.920	N	117.730	W	6	G			8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	02	23	58	14.1&	59.566	N	138.744	W	13				12	SOUTHEASTERN ALASKA. <AGS-P>.
	03	00	05	12.7&	59.913	N	152.825	W	103				31	SOUTHERN ALASKA. <AGS-P>.
	03	00	35	47.9&	31.990	N	116.340	W	6	G			13	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	03	00	39	59.5%	30.802	S	117.086	E	10	G		0.6	6	WESTERN AUSTRALIA
	03	01	17	01.2?	41.99	N	24.52	E	10	G		0.9	5	GREECE-BULGARIA BORDER REGION
	03	01	19	22.1	35.730	N	27.511	E	43	*	4.0	1.3	42	DODECANESE ISLANDS
	03	01	24	15.2?	38.46	N	14.66	E	10	G		0.3	4	SICILY
	03	01	33	05.8	49.917	N	78.945	E	0	G	6.1	0.8	467	EASTERN KAZAKH SSR
	03	02	00	32.8&	60.307	N	153.416	W	164		4.2		42	SOUTHERN ALASKA. <AGS-P>.
	03	02	46	00.3*	37.693	N	15.158	E	10	G		0.9	5	SICILY. MD 2.0 (ROM).
	03	02	54	58.5	42.866	N	21.303	E	10	G		1.1	14	YUGOSLAVIA. ML 2.8 (SKO), 2.5 (TTG).
	03	03	34	04.6&	32.920	N	117.730	W	6	G			8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	03	03	35	07.1	38.082	N	22.875	E	33		4.5	1.4	126	GREECE. ML 4.4 (SKO), 3.9 (ATH). Felt in the Athens-Corinth area.
	03	04	08	03.9	41.228	N	23.339	E	10	G		0.8	8	GREECE-BULGARIA BORDER REGION
	03	05	51	03.2&	61.827	N	151.176	W	67				28	SOUTHERN ALASKA. <AGS-P>.
	03	08	23	49.7%	39.046	N	29.333	E	10	G		0.8	6	TURKEY
	03	08	56	38.4	39.293	N	20.468	E	10	G	4.5 3.3	1.5	67	GREECE-ALBANIA BORDER REGION. ML 4.3 (ATH), 3.4 (SKO). Felt on Corfu.
	03	09	02	26.8*	43.564	N	20.836	E	10	G		1.3	10	YUGOSLAVIA. ML 2.5 (TTG).
	03	09	46	24.3?	39.60	N	29.46	E	10	G		0.3	4	TURKEY
	03	11	27	37.7?	40.34	N	124.81	W	5	G		0.1	6	NEAR COAST OF NORTHERN CALIF. ML 2.8 (BRK).
	03	11	51	01.7?	18.99	N	65.14	W	10	G		0.1	5	PUERTO RICO REGION
	03	12	23	26.7	0.558	S	127.409	E	136	*	5.1	1.0	69	HALMAHERA
	03	13	22	53.3	41.576	N	20.158	E	10	G		0.9	19	ALBANIA. ML 3.1 (TIR), MD 3.1 (TTG).
	03	14	14	54.6	8.631	S	119.212	E	118	*	4.4	1.1	32	FLORES ISLAND REGION
	03	14	22	05.8	39.265	N	20.565	E	10	G	3.3	1.3	17	GREECE-ALBANIA BORDER REGION. ML 3.8 (ATH).
f	03	14	27	09.0	4.687	N	94.419	E	30	D	5.9 5.7	1.0	332	OFF W COAST OF NORTHERN SUMATERA. Felt strongly at Banda Aceh.
	03	14	27	32.3*	40.524	N	27.914	E	10	G		1.0	6	TURKEY
	03	15	13	54.3*	6.878	S	147.880	E	61	*	4.7	0.8	10	EAST PAPUA NEW GUINEA REGION
	03	15	16	27.8%	17.989	N	66.969	W	10	G		0.5	7	PUERTO RICO REGION. Felt in the Lajas area.
	03	15	47	29.0&	60.666	N	151.747	W	73				26	KENAI PENINSULA, ALASKA. <AGS-P>.
	03	17	13	45.2*	42.319	N	2.181	E	10	G		0.5	8	PYRENEES. ML 3.2 (LDG).
	03	17	26	51.7*	32.212	S	69.502	W	152	?		0.7	10	MENDOZA PROVINCE, ARGENTINA
a	03	17	34	59.5	32.872	S	112.108	W	10	G	4.9	0.9	47	EASTER ISLAND CORDILLERA
	03	18	09	04.0*	30.054	S	67.236	W	10	G		1.5	6	SAN JUAN PROVINCE, ARGENTINA
	03	18	24	26.8*	1.440	N	99.205	E	148	*	3.5	0.9	11	NORTHERN SUMATERA
	03	18	36	31.2*	4.344	N	94.234	E	33	N	4.6	1.3	13	OFF W COAST OF NORTHERN SUMATERA. Felt in Banda Aceh Province.
	03	19	48	49.2?	19.39	N	67.72	W	10	G		0.4	7	MONA PASSAGE
	03	20	11	51.8*	55.468	N	166.488	E	33	N	4.4	0.8	16	KOMANDORSKY ISLANDS REGION
	03	20	57	22.4	38.490	N	22.057	E	34	*	3.8	0.9	23	GREECE. ML 3.3 (ATH).
	03	21	14	22.9*	4.742	N	94.593	E	33	N	4.4	1.0	15	OFF W COAST OF NORTHERN SUMATERA. Felt in Banda Aceh Province.
	03	21	17	17.9	38.465	N	14.620	E	10	G		1.0	9	SICILY
	03	21	17	30.9*	7.604	S	127.476	E	149	?	4.5	1.3	12	BANDA SEA
	03	22	51	21.0?	32.00	S	71.93	W	33	N		1.4	7	NEAR COAST OF CENTRAL CHILE
	04	00	01	18.0&	57.897	N	142.951	W	10	G	3.9		40	GULF OF ALASKA. <AGS-P>. ML 3.5 (PMR).
	04	00	27	17.7	40.108	N	19.990	E	5	G		1.2	23	ALBANIA. ML 4.1 (ATH).
	04	00	59	47.0	32.953	S	70.692	W	33	N		1.2	10	CHILE-ARGENTINA BORDER REGION
	04	02	16	42.2*	39.804	N	40.234	E	10	G	3.7	1.2	8	TURKEY
	04	02	26	48.1*	37.026	N	29.216	E	10	G		1.0	7	TURKEY
	04	02	47	35.7&	48.496	N	122.134	W	2				46	WASHINGTON. <SEA-P>. CL 2.9 (SEA). Felt at Clearlake, Lyman, Hamilton and Sedro Woolley.
	04	03	35	14.3&	61.887	N	150.411	W	63				28	SOUTHERN ALASKA. <AGS-P>.
	04	05	28	49.9?	23.95	N	122.41	E	10	G		0.5	7	TAIWAN REGION
	04	05	48	03.0*	4.581	N	94.290	E	33	N	4.2	0.4	8	OFF W COAST OF NORTHERN SUMATERA
	04	05	55	55.4*	48.753	N	154.992	E	33	N	4.6	0.6	9	KURIL ISLANDS
	04	07	22	47.9*	35.850	N	141.244	E	33	N	4.1	0.5	6	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at

														Choshi.
	04	07	57	44.0*	1.490	N	99.620	E	183	*	4.8	1.1	15	NORTHERN SUMATERA
	04	08	22	04.6	38.571	N	14.727	E	10	G		0.5	7	SICILY
	04	08	57	09.3&	57.725	N	142.937	W	10	G			36	GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR).
	04	09	34	52.6&	60.140	N	153.057	W	117				35	SOUTHERN ALASKA. <AGS-P>.
	04	09	47	51.8?	5.98	S	142.28	E	33	N	3.1	1.5	5	PAPUA NEW GUINEA
	04	09	52	02.9%	39.663	N	29.387	E	10	G		0.6	6	TURKEY
	04	11	42	51.7&	60.577	N	150.855	W	44				33	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.0 (PMR).
	04	12	55	11.1%	39.629	N	29.368	E	10	G		0.2	5	TURKEY
	04	14	41	20.5	46.811	N	7.259	E	10	G		0.5	13	SWITZERLAND. ML 2.6 (LDG).
	04	14	47	53.2?	5.79	S	129.14	E	285	?	4.8	1.1	9	BANDA SEA
	04	15	12	13.0	30.333	N	131.147	E	29	D	5.2 4.6	1.2	106	KYUSHU, JAPAN. Felt (I JMA) on Tanega-shima.
	04	15	35	05.1%	39.931	N	28.817	E	10	G		1.0	5	TURKEY
a	04	15	43	04.0	30.399	N	131.084	E	39		5.2 6.0	1.3	219	KYUSHU, JAPAN. Ms 5.6 (BRK). Felt (III JMA) at Kagoshima, (II JMA) on Tanega-shima and (I JMA) on Amami-o-shima. Also felt at Miyazaki.
	04	16	00	24.2*	20.068	S	177.827	W	516		5.1	0.7	31	FIJI ISLANDS REGION
	04	16	10	36.1?	17.29	S	70.51	W	84	?		1.3	5	NEAR COAST OF PERU. Felt (II) at Arequipa.
a	04	16	12	25.2	9.364	S	112.874	E	61	D	5.5	1.1	152	SOUTH OF JAVA
	04	16	30	38.5	30.460	N	131.215	E	44		5.0 5.2	1.1	71	KYUSHU, JAPAN. Felt (I JMA) on Tanega-shima.
	04	18	38	15.4*	16.929	N	100.050	W	30		4.2	1.2	21	NEAR COAST OF GUERRERO, MEXICO. Felt at Acapulco.
	04	19	02	09.8&	62.503	N	151.220	W	122				26	CENTRAL ALASKA. <AGS-P>.
	04	19	43	42.3	7.576	S	127.826	E	163	*	5.2	1.4	32	BANDA SEA
	04	20	21	15.4%	33.931	S	71.300	W	33	N		0.6	11	NEAR COAST OF CENTRAL CHILE
	04	20	42	00.9&	36.302	N	120.408	W	9				25	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK), 3.8 (PAS). Felt in the Coalinga area.
	04	20	44	20.8%	40.106	N	29.333	E	10	G		0.8	10	TURKEY
	04	20	45	48.7&	36.303	N	120.405	W	10				23	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK), 3.6 (PAS). Felt in the Coalinga area.
	04	21	12	11.7	40.132	N	29.370	E	10	G		0.9	16	TURKEY
	04	22	17	48.6*	38.936	N	20.459	E	10	G		1.2	8	GREECE. MD 3.1 (ATH).
	04	22	26	51.6*	38.462	N	14.705	E	10	G		0.3	5	SICILY
	04	23	57	36.3	43.917	N	19.159	E	10	G		1.0	18	YUGOSLAVIA. ML 3.1 (KBA). MD 3.1 (TTG).
	05	00	01	23.0%	40.106	N	29.330	E	10	G		0.8	6	TURKEY
	05	00	13	16.7*	9.944	S	112.605	E	33	N	4.2	1.3	7	SOUTH OF JAVA
	05	01	21	57.9*	6.735	S	105.471	E	33	N	5.0	1.1	22	SUNDA STRAIT
	05	01	53	56.6*	21.340	S	68.885	W	144	*		1.5	13	CHILE-BOLIVIA BORDER REGION
	05	03	05	56.3*	36.891	N	4.606	E	10	G		0.7	11	ALGERIA
	05	03	08	24.9%	46.828	N	7.095	E	10	G		0.1	5	SWITZERLAND. ML 2.1 (LDG).
	05	03	22	58.2&	60.115	N	152.793	W	110				30	SOUTHERN ALASKA. <AGS-P>.
	05	05	19	20.1%	33.440	S	72.201	W	10	G		0.4	10	OFF COAST OF CENTRAL CHILE
	05	05	22	41.9?	33.56	S	72.74	W	33	N		1.0	12	OFF COAST OF CENTRAL CHILE
	05	06	24	28.5	38.229	N	22.113	E	22		3.9	0.8	21	GREECE. ML 3.8 (ATH), 3.4 (SKO).
	05	06	28	04.4	45.198	N	14.855	E	10	G		1.3	16	YUGOSLAVIA. ML 3.3 (KBA), 2.9 (LJU). MD 3.2 (TRI).
	05	07	01	49.5?	38.00	N	22.30	E	33	N		1.0	6	GREECE
	05	07	18	04.9*	3.291	S	12.225	W	10	G	4.7	0.9	16	NORTH OF ASCENSION ISLAND
	05	07	21	20.5?	33.82	S	72.83	W	10	G		0.3	8	OFF COAST OF CENTRAL CHILE
	05	07	52	29.5*	32.304	S	72.024	W	10	G		1.3	13	OFF COAST OF CENTRAL CHILE
	05	09	17	47.3*	38.469	N	25.182	E	10	G		1.2	8	AEGEAN SEA. ML 3.3 (ATH).
	05	10	00	53.9*	64.160	N	153.199	W	33	N		1.1	5	CENTRAL ALASKA. ML 3.0 (PMR).
	05	10	11	33.3?	20.28	S	176.10	W	343	?	4.3	1.0	12	FIJI ISLANDS REGION
	05	10	34	47.5?	40.48	N	21.85	E	10	G		1.8	5	GREECE
	05	10	49	29.2&	62.688	N	151.749	W	95				21	CENTRAL ALASKA. <AGS-P>.
	05	12	25	24.5?	45.84	N	26.91	E	33	N		1.3	5	ROMANIA
	05	12	45	09.2&	57.836	N	142.641	W	10	G			40	GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR).
	05	13	53	19.3*	11.215	S	122.029	E	33	N		1.5	7	SOUTH OF TIMOR
	05	14	02	50.5*	4.662	N	94.414	E	52	*	4.6	1.1	25	OFF W COAST OF NORTHERN SUMATERA
	05	14	17	45.3%	43.741	N	7.309	E	10	G		0.1	7	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	05	14	38	32.0&	32.670	N	116.030	W	6	G			12	CALIFORNIA-MEXICO BOROER REGION. <PAS-P>. ML 3.6 (PAS). Felt (III) at Jacumba and Mount Laguno, California.
	05	14	50	38.5*	64.069	N	153.936	W	33	N		1.2	8	CENTRAL ALASKA. ML 3.2 (PMR).
	05	14	59	02.3*	33.516	S	72.056	W	11			0.4	11	OFF COAST OF CENTRAL CHILE
	05	15	01	04.2	46.266	N	12.549	E	10	G		0.9	7	NORTHERN ITALY. ML 1.9 (KBA). MD 2.2 (TRI).
a	05	15	36	56.8	13.295	N	120.393	E	30	D	5.4 5.5	1.0	164	MINDORO, PHILIPPINE ISLANDS. Felt (IV RF) at Manila; (III RF) at Quezon City and Batangas, Luzon. Felt (II RF) at Calapan.
	05	16	37	24.7*	31.699	S	69.861	W	28	*		1.5	12	SAN JUAN PROVINCE, ARGENTINA
	05	17	50	21.3*	37.875	N	20.890	E	33	N	3.6	1.2	11	IONIAN SEA
	05	18	46	10.8	37.528	N	3.568	W	10			0.6	11	SPAIN. MG 3.3 (MDD). Felt (III) at Campotejar.
	05	19	11	44.5&	63.158	N	150.555	W	136				24	CENTRAL ALASKA. <AGS-P>.
	05	19	25	12.2&	63.291	N	149.794	W	95				16	CENTRAL ALASKA. <AGS-P>.
	05	21	28	01.8	46.277	N	12.579	E	10	G		1.4	8	NORTHERN ITALY. MD 2.5 (TRI).
	05	22	32	54.0	50.876	N	178.185	W	33	N		1.1	13	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.8 (PMR).
	05	22	49	20.7*	53.750	N	165.777	W	79	*	4.1	1.6	15	FOX ISLANDS, ALEUTIAN ISLANDS
	05	23	08	41.0	40.646	N	22.718	E	10	G		0.3	7	GREECE. ML 1.9 (SKO).
	05	23	28	17.7	8.784	S	117.646	E	113	*	4.9	1.5	39	SUMBAWA ISLAND REGION
	05	23	57	19.5*	36.881	N	29.081	E	10	G		1.1	6	TURKEY
	06	00	13	41.0	20.034	S	133.869	E	10	G		1.2	9	NORTHERN TERRITORY, AUSTRALIA
	06	00	28	43.8*	12.889	N	89.337	W	59		4.7	1.3	57	OFF COAST OF CENTRAL AMERICA. Felt (III) at San Salvador, El Salvador.
	06	00	35	38.9&	59.782	N	152.308	W	64				31	SOUTHERN ALASKA. <AGS-P>.
	06	01	05	00.1%	40.525	N	29.339	E	10	G		0.5	8	TURKEY
	06	01	25	18.4	38.545	N	14.808	E	19			0.9	16	SICILY. MD 3.3 (ROM).
	06	02	28	07.2*	2.883	S	129.928	E	33	N	4.3	1.5	8	CERAM
	06	02	36	56.9&	34.970	N	116.530	W	6	G			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	06	02	41	24.7*	3.451	S	151.229	E	432	*	4.5	1.2	18	NEW IRELAND REGION
	06	03	11	22.6	16.371	N	41.166	E	10	G	4.8	1.0	82	RED SEA
	06	03	45	59.8?	18.49	N	65.78	W	33	N		0.4	5	PUERTO RICO REGION
	06	04	49	17.4&	62.028	N	124.381	W	10	G			8	NORTHWEST TERRITORIES, CANADA. <PGC>. mbLg 3.5 (PGC).
	06	07	13	37.4%	40.706	N	29.427	E	10	G		1.1	6	TURKEY
	06	07	54	56.8	40.195	N	23.567	E	9			0.8	17	GREECE
	06	08	13	11.5%	43.757	N	7.416	E	10	G		0.5	7	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	06	08	20	10.5*	12.782	S	166.351	E	33	N	4.7 4.3	1.2	9	SANTA CRUZ ISLANDS

	06	08	22	29.0•	14.610	N	93.686	W	27	•	4.3		1.4	15	NEAR COAST OF CHIAPAS, MEXICO
	06	08	29	49.6	38.763	N	30.648	E	10	G	3.8		1.1	16	TURKEY. Felt at Afyon.
	06	10	58	24.4•	32.445	S	71.584	W	10	G			0.9	10	NEAR COAST OF CENTRAL CHILE
	06	11	28	32.8	28.231	N	92.529	E	19		4.2		1.3	22	INDIA-CHINA BORDER REGION. ML 4.5 (BJI).
	06	12	01	04.6%	39.674	N	29.375	E	10	G			1.1	5	TURKEY
	06	12	09	21.4?	20.60	S	178.22	W	557	?	4.4		0.6	17	FIJI ISLANDS REGION
	06	13	36	40.8%	60.512	N	4.387	E	0	G			1.2	6	SOUTHERN NORWAY. MD 1.9 (BER). Probable explosion.
	06	13	51	41.0&	56.885	N	143.177	W	10	G				29	GULF OF ALASKA. <AGS-P>.
	06	14	24	52.3	19.768	S	134.005	E	10	G			0.6	7	NORTHERN TERRITORY, AUSTRALIA
	06	14	50	38.1	39.127	N	28.688	E	10	G			0.9	8	TURKEY
o	06	16	30	01.8	6.587	S	131.405	E	41		5.4	4.5	1.0	133	TANIMBAR ISLANDS REGION. Felt (II) at Saumlaki.
	06	17	32	59.1	43.109	N	18.829	E	10	G			0.8	10	YUGOSLAVIA. ML 2.7 (TTG).
	06	18	51	10.3	51.555	N	16.120	E	10				0.5	9	POLAND. ML 3.4 (VKA).
a	06	19	52	32.5	7.301	S	128.562	E	146		5.3		1.0	114	BANDA SEA
	06	21	06	11.0	23.185	S	175.571	W	33	N	5.2	4.7	1.1	79	TONGA ISLANDS REGION
	06	21	59	51.8	16.175	S	175.837	W	390	D	5.0		0.8	111	TONGA ISLANDS
	06	22	19	42.4	15.707	S	167.760	E	203	•	5.0		1.1	70	VANUATU ISLANDS
	06	22	45	42.4&	61.933	N	150.539	W	58		3.5			38	SOUTHERN ALASKA. <AGS-P>.
	06	22	58	21.7•	4.077	N	126.473	E	88	?	3.7		0.6	12	TALAUD ISLANDS
	06	23	25	44.1&	57.063	N	143.139	W	10	G				31	GULF OF ALASKA. <AGS-P>.
	07	00	48	42.2?	15.25	S	173.15	W	81	•	4.8		0.8	20	TONGA ISLANDS
	07	01	05	04.3•	30.012	N	67.698	E	33	N	4.4		1.2	10	PAKISTAN
a	07	03	05	07.2	23.992	N	121.647	E	17		5.3	4.5	1.3	168	TAIWAN. Felt on northern Taiwan.
	07	03	11	24.9•	24.065	N	121.402	E	10	G			1.1	5	TAIWAN
	07	03	12	02.2•	49.572	N	155.60[illegible]	E	34	D	4.9		0.8	59	KURIL ISLANDS
	07	03	24	35.9	23.970	N	121.646	E	24		4.9		1.2	54	TAIWAN. Felt on northern Taiwan.
	07	03	41	33.2•	23.928	N	121.716	E	10	G	4.2		1.3	15	TAIWAN. Felt lightly on northern Taiwan.
	07	03	43	59.0•	53.212	N	168.452	W	79	•	4.4		0.9	16	FOX ISLANDS, ALEUTIAN ISLANDS
	07	03	59	11.4•	38.874	N	0.160	E	10	G			1.0	6	SPAIN. MG 2.8 (MDD).
	07	04	36	28.7•	23.904	N	121.775	E	10	G			1.2	7	TAIWAN
	07	04	46	02.4?	22.79	S	66.51	W	333	?			0.4	5	JUJUY PROVINCE, ARGENTINA
	07	05	05	23.3?	50.99	N	173.68	W	33	N	4.7		1.7	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	05	23	10.0•	23.867	N	121.730	E	10	G			1.1	8	TAIWAN
	07	05	36	01.2	29.608	N	140.652	E	111	D	4.8		1.1	64	SOUTH OF HONSHU, JAPAN
	07	05	42	02.0?	16.00	S	172.16	W	33	N	4.9		1.4	10	SAMOA ISLANDS REGION
	07	05	53	17.9?	7.32	S	129.26	E	157	?			1.5	7	BANDA SEA
	07	06	43	33.7?	23.00	S	67.12	W	356	?			1.2	7	CHILE-BOLIVIA BORDER REGION
	07	08	44	14.7%	39.476	N	26.322	E	10	G			1.1	6	TURKEY
	07	08	55	44.9&	60.014	N	151.893	W	72					30	KENAI PENINSULA, ALASKA. <AGS-P>.
	07	09	23	40.1•	0.376	S	132.438	E	33	N	4.6	3.7	1.1	15	WEST IRIAN REGION
	07	09	27	26.8•	23.950	N	121.651	E	21				1.3	11	TAIWAN
	07	09	37	27.8?	39.15	N	27.63	E	10	G			0.3	4	TURKEY
	07	10	47	29.5	30.858	N	50.154	E	33	N	4.4		0.6	27	IRAN
	07	10	56	32.9•	31.704	S	69.460	W	156	?			0.7	10	SAN JUAN PROVINCE, ARGENTINA
	07	10	56	48.7•	0.949	S	132.992	E	33	N	4.5		1.5	7	WEST IRIAN REGION
	07	11	42	04.6	44.364	N	12.258	E	10	G			0.3	7	NORTHERN ITALY
	07	12	01	25.0?	58.53	N	6.15	E	10	G			0.3	5	SOUTHERN NORWAY. MD 2.1 (BER).
	07	13	21	08.2%	39.931	N	28.788	E	10	G			1.2	7	TURKEY
	07	13	24	04.5?	39.64	N	29.36	E	10	G			0.5	5	TURKEY
	07	13	29	15.9%	39.668	N	29.400	E	10	G			0.8	5	TURKEY
	07	14	09	28.4	23.851	N	121.693	E	10	G			0.7	9	TAIWAN
	07	14	26	30.6	11.045	S	74.724	W	10	G	5.1		1.0	68	PERU
	07	14	38	53.5•	23.975	N	121.494	E	10	G			1.5	9	TAIWAN
	07	15	32	13.6?	34.07	N	27.19	E	33	N			1.0	5	EASTERN MEDITERRANEAN SEA
	07	15	45	42.9•	19.216	S	169.102	E	131	•	5.0		1.5	10	VANUATU ISLANDS
	07	17	15	00.0&	37.013	N	116.044	W	0		4.0			33	SOUTHERN NEVADA. <DOE>. 37° 00' 47.37" N., 116° 02' 39.57" W., Surface Elev. 1215 m., Depth of Burial 200 m., Shot Time 171500.078, "ABILENE," Nevada Test Site (Dept. of Energy).
	07	17	23	20.0	47.819	N	7.021	E	10	G			0.2	10	SWITZERLAND
	07	17	29	51.2%	60.723	N	5.551	E	0	G			0.4	5	SOUTHERN NORWAY. ML 1.8 (BER). Probable explosion.
a	07	18	14	54.9	55.759	S	15.768	W	10	G	5.3		1.2	47	SOUTHWESTERN ATLANTIC OCEAN
	07	19	23	09.7•	0.629	N	126.703	E	81	?			1.0	12	MOLUCCA PASSAGE
	07	20	18	42.0•	45.923	N	2.926	E	10	G			0.5	5	FRANCE. ML 1.9 (LDG).
	07	21	22	10.0•	51.484	N	16.066	E	10	G			0.8	9	POLAND. ML 3.9 (VKA).
	07	21	45	37.7	6.857	S	71.754	E	10	G	5.3		1.0	26	CHAGOS ARCHIPELAGO REGION
	07	21	54	56.4•	27.894	S	71.744	W	59	•			1.1	19	NEAR COAST OF NORTHERN CHILE
	07	22	22	49.2?	17.94	S	178.68	W	633	?	4.9		1.0	19	FIJI ISLANDS REGION
	07	22	57	01.1?	37.03	S	145.86	E	10	G			0.8	5	NEAR S.E. COAST OF AUSTRALIA. ML 3.5 (BFD).
	08	01	05	53.6%	47.310	N	7.571	E	10	G			0.2	5	SWITZERLAND. ML 2.6 (LDG).
	08	01	33	42.9	13.440	N	120.566	E	51	•	5.2		1.0	87	MINDORO, PHILIPPINE ISLANDS
	08	02	33	56.2•	3.027	N	126.618	E	33	N	4.9		1.0	7	TALAUD ISLANDS
	08	02	40	27.0?	30.07	N	51.21	E	182	•	4.1		0.9	7	IRAN
o	08	04	42	30.7	13.385	N	120.386	E	32	D	5.6	5.6	0.8	188	MINDORO, PHILIPPINE ISLANDS. Felt (IV RF) at Manila and (III RF) at Quezon City, Luzon.
	08	05	25	02.4•	9.485	N	83.647	W	44	?			1.2	11	COSTA RICA. MD 3.9 (SJR). Felt (II) at San Jose.
	08	05	27	53.5•	40.549	N	22.459	E	10	G			0.8	5	GREECE
	08	05	30	10.0•	13.256	N	120.333	E	33	N	4.5		1.3	13	MINDORO, PHILIPPINE ISLANDS
	08	05	57	01.8•	37.507	N	21.206	E	10	G	3.9		1.5	20	SOUTHERN GREECE. ML 3.9 (ATH).
	08	06	58	58.8•	67.595	N	161.775	W	33	N			0.9	7	ALASKA. ML 3.1 (PMR).
	08	08	16	26.6	40.401	N	25.820	E	10	G			0.9	8	AEGEAN SEA
	08	08	21	42.1?	6.91	S	106.49	E	112	?	4.1		1.2	9	JAVA
	08	09	37	02.9•	44.975	N	151.517	E	33	N	4.6		1.0	14	KURIL ISLANDS REGION
	08	10	11	54.9?	37.94	N	3.03	W	10	G			0.8	5	SPAIN
	08	10	30	59.7&	61.494	N	151.305	W	81					29	SOUTHERN ALASKA. <AGS-P>.
	08	10	41	09.2%	39.524	N	29.455	E	10	G			0.2	5	TURKEY
	08	10	48	24.1%	39.046	N	27.629	E	10	G			0.7	5	TURKEY
a	08	11	20	51.4	8.823	S	117.498	E	107	G	5.8		1.0	250	SUMBAWA ISLAND REGION. Depth from broadband displacement seismograms.
	08	12	29	56.3•	13.029	N	120.043	E	74	•	4.7		1.0	9	MINDORO, PHILIPPINE ISLANDS
	08	13	01	22.6	51.948	N	173.271	W	54	D	5.0		1.3	41	ANDREANOF ISLANDS, ALEUTIAN IS.
	08	13	34	46.3	23.991	N	120.733	E	40		4.7		1.0	22	TAIWAN
	08	13	52	29.3•	22.801	S	176.162	W	229	?	4.5		0.5	19	SOUTH OF FIJI ISLANDS

	08	13	55	22.5&	39.410	N	123.263	W	9			21	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK). Felt (V) at Willits and (III) at Das Rios, Elk, Fort Bragg and Potter Valley.
	08	14	24	47.7&	57.074	N	143.438	W	10 G 3.6			29	GULF OF ALASKA. <AGS-P>.
	08	15	29	33.1	3.139	S	130.174	E	33 N 4.5 3.7	1.1	15	CERAM
	08	16	09	33.7	46.238	N	6.545	E	10 G	1.2	18	SWITZERLAND. ML 2.8 (LDG).
	08	16	20	57.7	44.497	N	9.664	E	10 G	1.1	50	NORTHERN ITALY. ML 3.5 (LDG), 3.2 (KBA).
	08	16	21	00.4*	6.118	N	125.843	E	153 * 4.5	0.8	11	MINDANAO, PHILIPPINE ISLANDS
	08	16	26	02.9&	31.740	N	116.100	W	6 G		10	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	08	17	03	47.6	44.428	N	9.689	E	8	0.8	42	NORTHERN ITALY. ML 3.3 (LDG), 3.0 (KBA).
	08	17	08	37.9	44.445	N	9.658	E	10 G	0.9	40	NORTHERN ITALY. ML 3.2 (LDG), 3.1 (KBA).
	08	17	13	39.8	44.456	N	9.681	E	10 G	0.8	14	NORTHERN ITALY. ML 2.6 (LDG).
	08	19	17	52.2?	4.51	S	154.68	E	416 * 4.4	1.5	14	SOLOMON ISLANDS
	08	19	21	46.2*	12.983	N	120.669	E	33 N 4.2	0.9	5	MINDORO, PHILIPPINE ISLANDS
	08	19	30	18.5?	44.34	N	9.39	E	10 G	0.8	6	NORTHERN ITALY
	08	20	08	18.1	39.225	N	27.722	E	10 G	1.1	9	TURKEY
	08	20	30	15.1	39.204	N	27.745	E	10 G	1.1	8	TURKEY
	08	20	34	49.5&	57.104	N	143.104	W	10 G		25	GULF OF ALASKA. <AGS-P>.
	08	20	38	29.5	13.317	N	120.337	E	45 * 4.9	1.0	42	MINDORO, PHILIPPINE ISLANDS
	08	20	43	11.3	44.446	N	9.708	E	11	0.8	17	NORTHERN ITALY. ML 2.6 (LDG).
	08	21	22	45.3?	15.52	N	61.62	W	147 ?	0.5	9	LEEWARD ISLANDS
	08	21	59	29.5	44.452	N	9.683	E	10 G	0.9	26	NORTHERN ITALY. ML 3.0 (LDG), 2.8 (KBA).
	08	22	32	37.8	16.345	N	41.121	E	10 G 4.6	1.3	48	RED SEA
	08	22	44	28.5	39.156	N	27.797	E	10 G	1.2	10	TURKEY
	08	22	53	44.9*	10.395	S	123.895	E	33 N 4.6	1.2	8	TIMOR
	08	23	02	09.0	44.472	N	9.714	E	10 G	0.9	58	NORTHERN ITALY. ML 3.7 (LDG), 3.5 (KBA).
a	08	23	13	24.1	3.409	S	145.697	E	32 D 5.6 6.4	1.3	121	NEAR N COAST OF PAPUA NEW GUINEA. Ms 6.7 (BRK), 6.3 (PAS). Two events about 4.5 seconds apart, based on broadband displacement seismograms.
	08	23	21	12.1	3.414	S	145.659	E	33 N 5.4 6.1	1.3	51	NEAR N COAST OF PAPUA NEW GUINEA
	08	23	28	59.9?	12.82	N	120.82	E	33 N 4.8	1.3	13	MINDORO, PHILIPPINE ISLANDS
	09	00	31	26.2%	39.157	N	27.843	E	10 G	0.7	6	TURKEY
	09	00	43	19.6	30.882	N	50.095	E	33 N 4.2	0.9	16	IRAN
	09	00	58	36.4*	5.580	S	101.011	W	10 G 4.6	1.0	22	NORTHERN EASTER I. CORDILLERA
	09	01	16	23.9?	39.03	N	27.85	E	10 G	0.7	5	TURKEY
	09	01	16	53.5?	20.03	S	69.33	W	158 * 4.9	1.4	16	NORTHERN CHILE
	09	01	22	43.0*	32.227	S	149.685	E	10 G	1.3	6	NEW SOUTH WALES, AUSTRALIA. ML 4.0 (CMS), 3.8 (CNB).
	09	02	17	18.9%	39.276	N	27.818	E	10 G	0.5	5	TURKEY
	09	02	44	30.1%	39.186	N	27.745	E	10 G	0.9	8	TURKEY
	09	02	44	30.2%	44.498	N	6.967	E	10 G	0.2	6	FRANCE. ML 1.9 (LDG).
	09	03	34	46.6*	38.847	N	40.459	E	10 G 4.4	1.3	17	TURKEY. Felt in the Bingol-Genc-Karliova area.
o	09	04	04	23.1	10.917	S	166.829	E	34 D 5.5 5.5	0.9	130	SANTA CRUZ ISLANDS. Ms 5.9 (BRK).
o	09	04	22	30.6	10.803	S	166.732	E	33 N 5.3 5.5	1.1	98	SANTA CRUZ ISLANDS
	09	06	00	28.1*	51.172	N	16.026	E	10 G	0.5	6	POLAND
	09	06	24	07.7*	36.844	N	71.970	E	33 N 4.6	1.5	11	AFGHANISTAN-USSR BORDER REGION
	09	09	26	27.2*	25.058	N	124.319	E	33 N	1.1	11	NORTHEAST OF TAIWAN
	09	09	50	45.7	34.999	N	3.413	W	28	1.1	25	MOROCCO. MG 4.3 (TIO). Felt (V) at Midar.
	09	10	54	29.0%	39.092	N	27.618	E	10 G	0.4	5	TURKEY
	09	12	57	55.8	29.779	N	86.909	E	33 N 4.5	1.1	22	TIBET
	09	13	10	55.5*	38.369	N	11.977	E	10 G	1.0	8	SICILY
	09	13	44	48.6*	36.966	N	141.346	E	57 *	1.1	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt at Fukushima.
	09	14	14	58.7&	38.810	N	122.795	W	3		19	NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=2.0*10**14 Nm (BRK).
	09	15	09	52.7*	36.174	N	138.674	E	151 4.0	1.0	16	HONSHU, JAPAN
	09	15	25	21.2*	6.352	S	128.730	E	355 * 4.3	1.1	15	BANDA SEA
	09	15	53	24.0*	10.052	S	161.332	E	91 * 4.8	1.2	11	SOLOMON ISLANDS
	09	16	10	56.1%	15.960	N	60.881	W	33 N	0.7	9	LEEWARD ISLANDS. ML 2.6 (FDF).
	09	16	32	05.3?	47.10	N	152.67	E	70 G 4.3	1.0	9	KURIL ISLANDS
	09	16	38	00.4	38.909	N	27.800	E	10 G	0.9	10	TURKEY
	09	17	56	34.1*	11.593	S	117.402	E	33 N 4.8	1.4	11	SOUTH OF SUMBAWA ISLAND
	09	18	09	15.1	37.353	N	20.961	E	33 N 4.1	1.2	35	IONIAN SEA. ML 3.8 (ATH).
	09	18	44	33.2*	21.857	S	179.566	W	600 * 5.0	0.9	39	FIJI ISLANDS REGION
	09	18	51	30.3?	18.86	S	69.19	W	33 N	1.0	6	NORTHERN CHILE
	09	19	28	43.0	34.442	N	102.184	E	10 G	0.4	7	GANSU PROVINCE, CHINA. ML 4.0 (BJI).
	09	19	52	24.1*	10.917	S	166.546	E	33 N 4.4 4.8	1.0	11	SANTA CRUZ ISLANDS
	09	20	27	24.7	31.449	N	9.936	W	10 G 4.7	1.4	29	MOROCCO. Felt (V) at Essaouira.
	09	23	30	26.1*	8.055	S	128.478	E	58 *	1.3	12	TIMOR SEA
	09	23	41	15.1&	41.613	N	126.233	W	5 G 4.1		15	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK).
	09	23	44	05.3&	61.712	N	150.191	W	46		32	SOUTHERN ALASKA. <AGS-P>.
	09	23	55	15.7*	33.695	S	72.222	W	50 * 4.5	1.2	28	OFF COAST OF CENTRAL CHILE
	10	00	00	03.8	2.503	S	138.806	E	33 N 5.2 4.9	1.0	54	WEST IRIAN
	10	00	39	08.6?	24.55	S	69.27	W	164 ?	0.7	7	NORTHERN CHILE
	10	01	10	31.2?	7.48	S	129.39	E	175 ? 3.4	1.0	7	BANDA SEA
	10	01	22	47.1%	33.118	S	70.810	W	33 N	1.2	9	CHILE-ARGENTINA BORDER REGION
	10	03	04	49.7	8.212	S	119.992	E	184 * 5.2	1.4	46	FLORES ISLAND REGION
	10	03	30	10.9&	61.423	N	150.452	W	73		38	SOUTHERN ALASKA. <AGS-P>.
	10	03	46	13.6&	19.938	N	156.601	W	0		48	HAWAII. <HVO-P>. MD 4.2 (HVO).
	10	04	32	13.8*	5.248	S	154.159	E	146 * 4.2	0.6	12	SOLOMON ISLANDS
	10	04	50	59.6	44.043	N	7.223	E	10 G	0.4	11	NORTHERN ITALY. ML 2.5 (LDG).
	10	04	51	16.0*	36.471	N	71.273	E	233 * 4.5	0.8	22	AFGHANISTAN-USSR BORDER REGION
	10	05	09	27.4*	55.696	S	26.884	W	33 N 4.9	0.9	10	SOUTH SANDWICH ISLANDS REGION
	10	06	34	15.0	51.666	N	176.665	E	33 N 4.8	1.1	43	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.8 (PMR).
	10	06	53	23.5?	19.28	N	66.89	W	10 G	0.5	7	PUERTO RICO REGION
	10	07	27	44.9*	53.680	N	167.080	W	33 N 4.5	1.2	29	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
	10	07	46	04.8	41.837	N	20.528	E	10 G	0.8	6	ALBANIA. ML 2.7 (SKO), 2.6 (TTG).
	10	08	04	45.5*	40.081	N	29.401	E	10 G	1.6	5	TURKEY
	10	08	12	14.6?	19.22	N	67.87	W	10 G	0.6	7	MONA PASSAGE
	10	08	19	55.2?	39.50	N	26.04	E	10 G	0.6	6	TURKEY
	10	09	16	33.6%	39.557	N	29.430	E	10 G	0.4	5	TURKEY
	10	09	26	17.6%	39.622	N	29.452	E	10 G	1.2	5	TURKEY
	10	09	32	23.9*	39.263	N	27.561	E	10 G	1.1	5	TURKEY
	10	09	34	04.7*	31.011	S	69.484	W	33 N	1.4	8	SAN JUAN PROVINCE, ARGENTINA
	10	10	08	08.6%	39.623	N	29.476	E	10 G	1.2	6	TURKEY

	10	10	28	50.9*	7.526	S	128.695	E	157	?	4.0	1.3	16	BANDA SEA
	10	11	44	55.4*	13.241	N	120.266	E	33	N	4.3	1.1	12	MINDORO, PHILIPPINE ISLANDS
	10	13	03	57.2%	33.493	S	70.608	W	33	N		1.4	8	CHILE-ARGENTINA BORDER REGION
	10	13	29	27.5?	39.47	N	26.07	E	10	G		0.7	5	TURKEY
	10	13	46	54.3	39.476	N	26.030	E	10	G		0.5	7	TURKEY
	10	13	51	57.9*	18.042	N	120.977	E	28		4.4	1.5	23	LUZON, PHILIPPINE ISLANDS
	10	14	58	41.6&	59.978	N	152.687	W	89				26	SOUTHERN ALASKA. <AGS-P>.
	10	15	51	56.4&	58.470	N	141.298	W	0				14	OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>.
	10	17	04	54.2*	39.501	N	26.189	E	10	G		0.8	6	TURKEY
	10	17	10	53.2?	37.75	N	15.02	E	10	G		0.4	4	SICILY
	10	17	20	44.2*	1.071	N	120.135	E	50	*	3.7	1.2	18	MINAHASSA PENINSULA
	10	17	25	23.5%	40.856	N	28.322	E	10	G		0.8	10	TURKEY
	10	17	51	34.6	37.780	N	15.040	E	33	N		1.2	9	SICILY. MD 3.1 (ROM).
	10	18	08	21.6	37.774	N	15.067	E	10	G		1.3	11	SICILY. MD 3.1 (ROM). Felt (IV) at Milo, Zafferana Etnea, Sant'Alfio, Santa Venerina and Maletto.
	10	18	19	32.4	46.333	N	13.253	E	10	G		1.0	9	AUSTRIA. ML 2.8 (KBA). MD 2.7 (TRI).
	10	18	30	29.1*	5.350	N	126.460	E	48	*	4.8	1.1	27	MINDANAO, PHILIPPINE ISLANDS
	10	18	43	38.0*	37.772	N	15.036	E	10	G		0.4	5	SICILY
	10	19	36	15.2*	33.568	S	72.558	W	24		4.0	0.6	14	OFF COAST OF CENTRAL CHILE
	10	19	48	21.2	27.978	N	52.873	E	40	*	4.3	1.0	19	SOUTHERN IRAN
	10	20	00	59.3	19.769	S	133.901	E	10	G		0.9	6	NORTHERN TERRITORY, AUSTRALIA
	10	20	29	19.8&	57.716	N	142.552	W	10	G			23	GULF OF ALASKA. <AGS-P>.
	10	20	57	02.2*	37.756	N	15.047	E	10	G		0.6	5	SICILY
	10	21	39	01.9*	49.104	N	6.860	E	10	G		1.5	9	GERMANY. mbLg 2.3 (DOU).
	10	22	39	29.4*	20.376	S	178.197	W	528	?	4.6	0.6	43	FIJI ISLANDS REGION
	10	22	40	27.7	42.433	N	6.699	W	10	G		0.4	6	SPAIN. MG 3.0 (MDD). Felt (III) in the Ponferrada area.
	10	23	37	44.7*	37.747	N	15.056	E	10	G		0.6	5	SICILY
	10	23	46	03.1&	62.068	N	124.294	W	10	G	4.1		10	NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 4.0 (PGC).
	11	00	24	39.0*	13.194	N	50.593	E	10	G	4.7	0.9	24	EASTERN GULF OF ADEN
	11	00	44	32.8*	37.348	N	27.707	E	10	G		1.1	6	TURKEY
	11	00	52	12.9*	33.051	S	68.490	W	150	*	4.5	1.0	19	MENDOZA PROVINCE, ARGENTINA
	11	01	14	00.4*	23.864	N	121.668	E	12	*		1.5	7	TAIWAN
	11	02	03	03.2*	36.319	N	139.057	E	156		4.2	0.6	13	HONSHU, JAPAN. Felt (I JMA) at Utsunomiyo and Kofu.
	11	02	08	19.4	39.474	N	26.077	E	10	G		0.6	13	TURKEY
	11	02	20	39.3*	27.013	N	97.166	E	33	N	4.5	1.2	13	BURMA-INDIA BORDER REGION
	11	02	59	02.5*	53.667	N	162.049	E	33	N	4.8	1.2	22	OFF EAST COAST OF KAMCHATKA
	11	03	16	51.2	36.282	N	70.289	E	33	N	4.4	0.9	17	HINDU KUSH REGION
a	11	06	30	30.5	17.874	S	172.339	W	37	D	5.3 4.8	0.9	127	TONGA ISLANDS REGION
	11	06	40	34.3	52.539	N	159.466	E	33	N	4.7	0.8	34	OFF EAST COAST OF KAMCHATKA
	11	08	13	17.0%	18.007	N	67.063	W	10	G		0.3	6	MONA PASSAGE. Felt in the Lajas area, Puerto Rico.
	11	09	01	50.6*	23.805	N	121.696	E	10	G		0.9	6	TAIWAN
	11	09	08	13.0%	19.017	N	67.142	W	10	G		1.1	6	MONA PASSAGE
	11	10	01	35.0	2.847	N	128.184	E	86	*	4.8	0.9	43	HALMAHERA
	11	10	11	01.9?	14.85	N	146.65	E	65	?		0.9	11	MARIANA ISLANDS
	11	12	11	31.0	27.516	N	85.860	E	39	*	4.9	1.4	26	NEPAL
	11	13	27	50.4%	42.803	N	12.668	E	10	G		1.4	5	CENTRAL ITALY
	11	13	31	55.7&	60.007	N	152.690	W	79				33	SOUTHERN ALASKA. <AGS-P>.
	11	14	18	59.6%	59.014	N	5.942	E	10	G		0.2	6	SOUTHERN NORWAY. MD 2.2 (BER).
	11	14	52	11.6*	38.331	N	21.632	E	10	G		0.6	6	GREECE. ML 3.1 (ATH).
	11	15	33	08.1*	5.349	S	152.834	E	33	N	4.3	0.9	8	NEW BRITAIN REGION
	11	16	36	07.9	41.886	N	19.998	E	10	G		0.7	8	ALBANIA. ML 3.1 (TTG).
	11	18	09	06.4	16.805	S	167.863	E	33	N	4.8	1.5	85	VANUATU ISLANDS
	11	18	45	17.5?	22.29	N	120.47	E	10	G		1.7	11	TAIWAN
	11	18	52	22.8*	39.039	N	72.479	E	33	N	4.1	1.3	8	KIRGHIZ SSR
	11	20	27	42.5	38.146	N	106.328	E	18	*	4.8	0.9	48	NORTHERN CHINA ML 4.6 (BJI).
	11	20	45	16.5*	38.408	N	106.234	E	48	*	4.6	1.4	10	NORTHERN CHINA
	11	20	53	13.8	27.539	S	67.354	W	136	*	5.0	1.3	32	CATAMARCA PROVINCE, ARGENTINA
	11	21	31	46.7&	62.024	N	124.325	W	10	G			8	NORTHWEST TERRITORIES, CANADA. <PGC>. mbLg 3.9 (PGC).
	11	21	48	57.8&	37.300	N	118.500	W	10				21	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.8 (BRK), 3.1 (PAS).
	11	22	35	16.4	23.315	N	121.432	E	25		5.0	1.1	84	TAIWAN
a	11	22	36	25.0	21.460	S	179.336	W	619	D	5.6	1.1	183	FIJI ISLANDS REGION
	11	22	47	14.9&	62.904	N	150.920	W	112				33	CENTRAL ALASKA. <AGS-P>.
	11	22	55	47.1	37.110	N	15.139	E	10	G		0.8	12	SICILY
	11	23	00	35.7*	26.881	S	177.327	W	33	N	5.1 5.1	1.3	19	SOUTH OF FIJI ISLANDS
	11	23	48	20.2%	47.051	N	9.557	E	10	G		0.4	6	GERMANY
	12	00	26	44.7?	2.94	S	147.74	E	33	N	4.7 4.0	1.2	7	ADMIRALTY ISLANDS REGION
	12	00	51	52.2*	37.305	N	16.430	E	10	G		0.7	8	IONIAN SEA
	12	01	13	32.9*	40.739	N	23.321	E	10	G		1.1	6	GREECE
	12	02	05	08.5	44.546	N	10.659	E	10	G		1.0	60	NORTHERN ITALY. ML 3.8 (KBA), 3.7 (LDG). MD 3.4 (TRI).
	12	02	16	48.6*	36.185	N	71.006	E	33	N	4.2	1.2	9	AFGHANISTAN-USSR BORDER REGION
	12	02	18	21.0	37.735	N	20.380	E	10	G		1.2	17	IONIAN SEA. ML 3.4 (ATH).
	12	02	52	48.1	17.705	S	178.869	W	540		5.0	0.9	113	FIJI ISLANDS REGION
	12	03	41	54.8	0.311	S	78.529	W	33	N	4.0	0.7	10	ECUADOR. An old church in Tumbaco collapsed; it had been severely damaged in the earthquake of March 1987. Felt (IV) in the Quito area.
	12	03	45	46.5?	17.52	N	67.60	W	21	*		1.1	7	MONA PASSAGE
	12	03	47	24.4&	59.031	N	142.855	W	10	G			21	GULF OF ALASKA. <AGS-P>.
	12	03	58	33.2%	40.075	N	29.337	E	10	G		0.7	6	TURKEY
a	12	05	03	45.0	39.200	S	178.424	E	21	D	5.6 4.7	1.2	78	OFF E. COAST OF N. ISLAND, N.Z. ML 5.7 (WEL). Felt in the northeastern part of North Island.
	12	05	26	50.4*	44.082	N	9.987	E	10	G		1.1	5	NORTHERN ITALY
	12	05	39	07.5	46.876	N	8.925	E	10	G		1.0	10	SWITZERLAND
	12	06	05	02.7?	19.23	N	67.13	W	10	G		0.6	7	MONA PASSAGE
	12	06	55	36.2*	15.740	N	60.621	W	25	*		0.2	8	LEEWARD ISLANDS. ML 2.9 (FDF).
	12	07	49	27.7	42.432	N	23.217	E	8			1.4	14	BULGARIA
	12	09	11	25.7?	38.83	N	73.95	E	33	N	4.2	0.3	5	TAJIK-XINJIANG BORDER REGION
	12	09	59	07.7%	39.624	N	29.439	E	10	G		1.2	6	TURKEY
	12	11	20	25.8	6.208	S	154.421	E	28		4.8	0.8	76	SOLOMON ISLANDS. Felt (III) at Arawa and Panguna, Bougainville.
	12	11	42	16.6?	60.10	N	5.86	E	10	G		0.3	4	SOUTHERN NORWAY. MD 1.8 (BER).
	12	12	10	04.0&	34.020	N	118.180	W	15				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt at Alhambra, Los Angeles and Whittier.

	12	13	42	14.6?	8.30	S	119.95	E	161	?	4.5		1.1	7	FLORES ISLAND REGION
	12	15	14	20.1?	32.38	S	70.94	W	96	•			0.5	8	CHILE-ARGENTINA BORDER REGION
a	12	15	26	19.7	2.787	S	77.649	W	27		5.5		1.0	163	PERU-ECUADOR BORDER REGION
	12	16	22	10.1	17.503	S	174.573	W	211	•	5.0		1.1	117	TONGA ISLANDS
	12	16	35	23.4•	49.988	N	178.889	W	33	N	4.7		0.8	31	ALEUTIAN ISLANDS REGION. ML 4.9 (PMR).
	12	16	43	16.9	34.634	N	79.555	E	47	•	4.5		1.2	25	KASHMIR-TIBET BORDER REGION
	12	18	21	15.9?	17.32	S	65.82	W	33	N			1.0	5	BOLIVIA
	12	18	27	07.2&	60.108	N	153.612	W	162					27	SOUTHERN ALASKA. <AGS-P>.
	12	19	18	46.2%	60.705	N	5.617	E	0	G			0.3	6	SOUTHERN NORWAY. MD 2.3 (BER). Probable explosion.
a	12	19	41	42.7	10.689	N	62.858	W	97		5.5		0.9	278	NEAR COAST OF VENEZUELA. Felt on Trinidad.
	12	19	42	19.5•	2.849	S	77.777	W	33	N			1.5	15	PERU-ECUADOR BORDER REGION
	12	19	48	45.8	37.925	N	20.282	E	22				1.3	37	IONIAN SEA. ML 4.0 (ATH).
a	12	20	13	43.3•	33.838	S	56.214	E	10	G	5.5		1.1	45	ATLANTIC-INDIAN RISE
a	12	20	26	19.3	33.803	S	56.334	E	10	G	5.3	5.4	1.1	84	ATLANTIC-INDIAN RISE
	12	21	53	39.8?	3.26	S	130.09	E	33	N			0.9	5	CERAM
	12	23	14	31.6	33.211	S	71.445	W	33	N			0.6	11	NEAR COAST OF CENTRAL CHILE
f	12	23	19	55.5	17.192	S	72.305	W	33	G	6.1	7.0	1.2	353	NEAR COAST OF PERU. Ms 6.9 (BRK), 6.5 (PAS). Felt (IV) at Arequipa. Also felt in the Ica area. Felt (III) at Arica and Iquique, Chile. Depth from broadband displacement seismograms.
	12	23	36	30.7?	17.19	S	72.19	W	33	N	5.2		1.3	20	NEAR COAST OF PERU
	12	23	55	23.4	17.478	S	72.503	W	33	N	5.4		1.1	101	NEAR COAST OF PERU
	13	00	02	46.7&	57.026	N	143.303	W	10	G	5.2			170	GULF OF ALASKA. <AGS-P>. ML 5.2 (PMR).
	13	00	37	21.9	17.318	S	72.371	W	33	N	5.3		1.1	89	NEAR COAST OF PERU
a	13	00	39	31.1	17.256	S	72.518	W	16		5.9	6.2	1.2	219	NEAR COAST OF PERU
	13	01	59	48.5•	17.670	S	72.655	W	33	N	4.8		1.5	22	NEAR COAST OF PERU
	13	02	16	01.8	17.222	S	72.277	W	33	N	4.9		1.0	38	NEAR COAST OF PERU
	13	02	29	46.9?	33.35	S	71.93	W	33	N			1.5	6	NEAR COAST OF CENTRAL CHILE
	13	03	40	02.9	30.227	N	57.550	E	48	•	4.5		1.2	24	IRAN
	13	03	50	44.6%	40.059	N	29.409	E	10	G			0.4	8	TURKEY
a	13	06	22	31.5	17.489	S	72.505	W	37	•	5.2		1.4	101	NEAR COAST OF PERU. Felt (II) at Arequipa.
	13	06	52	38.8&	32.980	N	117.790	W	6	G				9	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
a	13	07	57	17.4	1.029	N	127.108	E	152		5.5		1.1	144	HALMAHERA
	13	10	02	07.0%	39.572	N	29.388	E	10	G			0.2	5	TURKEY
	13	10	06	55.9%	39.610	N	29.437	E	10	G			0.7	5	TURKEY
	13	10	12	18.7%	39.544	N	29.433	E	10	G			0.4	5	TURKEY
	13	10	43	40.5•	17.393	S	72.742	W	45	•	4.9		1.3	50	NEAR COAST OF PERU
a	13	10	48	08.4	9.011	S	157.311	E	24	D	5.7	5.1	1.0	146	SOLOMON ISLANDS
	13	10	57	06.0%	39.575	N	29.397	E	10	G			0.2	5	TURKEY
	13	11	19	28.9•	7.540	S	128.656	E	145	?	4.5		1.2	10	BANDA SEA
	13	12	07	32.7•	17.485	S	72.446	W	67	•	4.9		1.2	44	NEAR COAST OF PERU
	13	12	15	44.3&	57.088	N	143.398	W	10	G	3.9			34	GULF OF ALASKA. <AGS-P>.
	13	14	30	59.6&	61.810	N	149.771	W	41					38	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR). Felt (II) at Eagle River.
	13	15	34	49.1	46.047	N	15.382	E	21				1.1	58	YUGOSLAVIA. ML 3.9 (VKA), 3.8 (KBA), 3.4 (LJU). Felt at Sevnica.
	13	16	30	36.4?	3.90	S	136.91	E	33	N	4.0		1.3	8	WEST IRIAN
	13	17	30	52.3?	16.96	S	74.61	W	33	N			1.6	6	NEAR COAST OF PERU
	13	17	48	13.8•	39.205	N	26.197	E	10	G			0.4	7	TURKEY
	13	19	10	06.8	9.563	S	112.737	E	61	•	5.2		1.2	47	SOUTH OF JAVA
	13	19	19	49.7•	9.627	S	112.714	E	33	N			1.0	5	SOUTH OF JAVA
	13	20	38	38.7?	7.11	S	132.21	E	135	?	4.3		1.0	11	TANIMBAR ISLANDS REGION
	13	20	51	44.5	52.972	N	171.262	W	127	D	4.9		0.8	135	FOX ISLANDS, ALEUTIAN ISLANDS
	13	21	28	27.7	39.761	N	16.929	E	10	G	4.4		1.4	122	SOUTHERN ITALY. ML 4.7 (ATH). MD 4.6 (TTG), 4.1 (ROM). Felt in Calabria.
	13	22	06	22.4	3.347	S	75.861	W	138	•	4.9		1.2	26	NORTHERN PERU
a	13	23	01	48.4	19.957	S	177.657	W	374	D	5.3		1.4	156	FIJI ISLANDS REGION
	14	00	03	47.6	34.260	N	25.355	E	33	N	4.1		1.3	31	CRETE. ML 4.4 (ATH).
	14	00	27	54.9?	0.46	S	122.31	E	33	N	4.5		1.2	8	MINAHASSA PENINSULA
	14	00	34	47.3?	38.91	N	20.54	E	10	G			1.3	4	GREECE. ML 3.6 (ATH).
	14	01	24	39.9•	79.156	N	19.218	W	33	N	3.9		0.4	7	EASTERN GREENLAND
	14	01	46	24.6?	24.45	S	69.40	W	33	N			1.1	5	NORTHERN CHILE
	14	02	14	06.6?	17.81	S	72.87	W	33	N			1.6	8	NEAR COAST OF PERU. Felt (II) at Arequipa.
	14	02	17	17.1	22.541	N	144.382	E	33	N	4.8		0.8	30	VOLCANO ISLANDS REGION
a	14	02	20	02.0	1.742	N	126.676	E	78		5.5		1.2	127	MOLUCCA PASSAGE
	14	03	49	18.6•	39.735	N	16.777	E	10	G			1.6	8	SOUTHERN ITALY
	14	04	16	14.2?	5.70	S	131.30	E	114	?	4.7		1.3	10	BANDA SEA
	14	04	23	37.2	19.589	S	133.904	E	5	G			0.3	6	NORTHERN TERRITORY, AUSTRALIA
	14	06	52	34.4&	57.287	N	142.978	W	10	G				24	GULF OF ALASKA. <AGS-P>.
	14	07	28	00.5•	23.699	N	122.637	E	33	N			1.4	9	TAIWAN REGION
	14	08	09	49.6•	17.547	S	72.830	W	48	•	4.7		1.3	39	NEAR COAST OF PERU. Felt (III) at Arequipa.
	14	08	27	50.7•	38.245	N	22.239	E	10	G			1.4	6	GREECE. ML 3.4 (ATH).
	14	08	49	05.2&	63.104	N	150.745	W	135					24	CENTRAL ALASKA. <AGS-P>.
	14	09	03	06.2•	17.269	S	72.460	W	33	N	5.1		1.2	56	NEAR COAST OF PERU. Felt (II) at Arequipa.
	14	09	05	11.5•	30.775	S	69.026	W	10	G			1.4	11	CHILE-ARGENTINA BORDER REGION. Felt (III) at San Juan, Argentina.
	14	09	13	51.0%	39.096	N	27.582	E	10	G			0.6	5	TURKEY
	14	09	39	31.4	39.093	N	99.155	W	5	G			0.6	16	KANSAS. mbLg 3.6 (NEIS), 3.2 (TUL). Felt (IV) at Burdett and Cadell; (III) at Brownell and Natoma. Also felt at Plainville.
	14	09	52	30.8?	6.84	S	127.58	E	412	?	4.8		1.3	6	BANDA SEA
	14	10	43	41.2	3.856	S	77.600	W	114	•	5.0		1.1	51	PERU-ECUADOR BORDER REGION
	14	11	32	14.8%	39.113	N	27.602	E	10	G			1.0	5	TURKEY
	14	12	07	20.9%	42.000	N	24.495	E	10	G			0.4	5	BULGARIA
	14	12	09	36.5&	58.204	N	142.899	W	10	G	4.2			38	GULF OF ALASKA. <AGS-P>.
	14	12	12	08.3?	37.76	N	5.80	W	5	G			0.2	4	SPAIN
	14	13	03	09.3&	33.270	N	116.300	W	11					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	14	13	30	47.0•	18.510	S	175.190	W	242	•	5.0		1.3	21	TONGA ISLANDS
	14	14	07	20.7%	41.101	N	28.503	E	10	G			0.2	7	TURKEY
	14	15	33	09.7&	58.789	N	142.802	W	10	G				27	GULF OF ALASKA. <AGS-P>.
	14	17	53	13.6•	26.315	N	102.682	E	21	•	4.5		1.2	27	SICHUAN PROVINCE, CHINA. ML 4.1 (BJI).
	14	18	36	08.7	39.472	N	26.061	E	12				1.3	17	TURKEY
	14	19	45	24.9&	60.918	N	150.843	W	54					31	KENAI PENINSULA, ALASKA. <AGS-P>.

	14	22	07	55.5*	10.955	N	87.033	W	33	N	4.7		1.2	20	OFF COAST OF COSTA RICA. MD 4.8 (HDC), 4.3 (SJR).
	14	22	54	58.9?	19.04	S	133.96	E	5	G			0.1	4	NORTHERN TERRITORY, AUSTRALIA
	14	23	22	33.3&	39.393	N	123.258	W	3					10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.5 (BRK). Felt at Willits.
	14	23	37	31.1&	37.238	N	81.987	W	0		4.1			11	WEST VIRGINIA. <BLA>. CL 4.0 (BLA). Mine collapse in Buchanan County, Virginia.
	15	02	19	59.3*	8.428	N	73.239	W	155	?	4.4		1.0	29	NORTHERN COLOMBIA. Felt at Cucuta.
	15	05	44	02.4*	31.044	S	68.269	W	5	G			1.1	7	SAN JUAN PROVINCE, ARGENTINA
	15	06	00	38.9&	63.235	N	150.618	W	143		4.0			47	CENTRAL ALASKA. <AGS-P>.
	15	08	52	05.6	16.955	N	94.373	W	88	*	5.2		0.9	108	OAXACA, MEXICO
	15	09	26	53.6%	40.340	N	29.481	E	10	G			0.8	5	TURKEY
	15	10	01	20.6?	0.17	S	91.36	W	10	G	4.8		0.8	12	GALAPAGOS ISLANDS
	15	10	09	29.7?	44.32	N	28.45	E	10	G			1.3	6	ROMANIA
	15	10	49	28.9	54.305	N	6.187	E	10	G			0.9	33	NORTH SEA. ML 3.7 (LDG).
	15	10	53	48.9&	59.814	N	153.096	W	94					31	SOUTHERN ALASKA. <AGS-P>.
	15	10	58	18.2	26.404	N	102.701	E	33	N	4.8	4.9	1.1	100	SICHUAN PROVINCE, CHINA
	15	13	15	58.0?	50.17	N	6.89	E	10	G			1.0	5	GERMANY
	15	15	26	28.4%	41.139	N	29.208	E	10	G			0.6	6	TURKEY
	15	16	48	35.4?	32.65	S	71.62	W	33	N			1.0	8	NEAR COAST OF CENTRAL CHILE
	15	17	20	43.5*	35.284	N	140.671	E	48		4.1		0.7	11	NEAR EAST COAST OF HONSHU, JAPAN
	15	18	35	05.9	37.854	N	14.421	E	10	G			0.8	13	SICILY. MD 3.1 (ROM). Felt at Nicasia.
	15	18	57	00.3*	2.423	N	99.069	E	157	*	4.2		1.3	11	NORTHERN SUMATERA
	15	19	03	25.2	43.003	N	18.316	E	10	G			0.4	9	YUGOSLAVIA. ML 2.6 (TTG).
	15	19	36	03.4	25.596	N	142.761	E	46	*	5.0		0.9	58	VOLCANO ISLANDS REGION
	15	19	46	33.7?	33.72	S	72.00	W	33	N			0.8	6	NEAR COAST OF CENTRAL CHILE
	15	20	33	05.0&	39.180	N	119.697	W	22					16	NEVADA. <BRK>. ML 3.4 (BRK). Felt (IV) at Carson City and (III) at Virginia City.
	15	21	03	02.6&	60.044	N	153.158	W	121		3.8			27	SOUTHERN ALASKA. <AGS-P>.
	15	21	38	06.9	43.046	N	18.868	E	10	G			0.6	11	YUGOSLAVIA. ML 2.7 (TTG).
	16	00	46	44.5	6.439	S	146.971	E	96		5.3		0.8	117	EAST PAPUA NEW GUINEA REGION
	16	01	08	22.1?	14.53	S	173.05	W	33	N	5.1		1.3	25	SAMOA ISLANDS REGION
	16	01	16	51.2	36.981	N	29.148	E	10	G			0.7	8	TURKEY
	16	01	19	38.7%	40.671	N	27.369	E	10	G			0.7	7	TURKEY
	16	01	25	53.7*	63.745	N	152.237	W	33	N			1.4	6	CENTRAL ALASKA. ML 3.4 (PMR).
a	16	01	53	22.4	16.079	N	145.893	E	128		5.4		1.1	160	MARIANA ISLANDS
	16	02	32	29.2*	46.477	S	166.449	E	33	N	5.1	4.3	1.2	18	OFF W. COAST OF S. ISLAND, N.Z. ML 5.1 (WEL).
	16	03	32	41.1?	43.76	N	120.21	E	17	*			0.9	8	NORTHEASTERN CHINA. ML 4.7 (BJI).
	16	03	50	08.9&	57.912	N	142.600	W	10	G	4.1			35	GULF OF ALASKA. <AGS-P>.
	16	04	09	18.8&	63.167	N	150.735	W	146					16	CENTRAL ALASKA. <AGS-P>.
	16	04	26	57.9*	83.249	N	5.930	W	10	G	3.9	3.9	1.2	8	NORTH OF SVALBARD
	16	06	22	12.3&	63.171	N	150.413	W	107					18	CENTRAL ALASKA. <AGS-P>.
	16	07	07	35.3	11.413	N	62.066	W	141		4.5		1.1	41	WINDWARD ISLANDS
	16	07	16	41.5	0.947	S	123.549	E	79	*	4.5		1.0	20	MINAHASSA PENINSULA
	16	07	34	01.3	34.221	N	25.103	E	39	*	4.6		1.3	23	CRETE. MD 4.2 (ATH).
	16	08	31	56.8	33.925	N	136.660	E	360		4.3		0.7	33	NEAR S. COAST OF SOUTHERN HONSHU
	16	09	19	57.5*	12.944	N	88.719	W	58	*	4.5		1.1	29	OFF COAST OF CENTRAL AMERICA. Felt in the San Salvador area, El Salvador.
	16	09	51	32.7*	37.156	N	72.077	E	132	?			1.5	12	TAJIK SSR
	16	12	12	03.2*	39.788	N	25.775	E	10	G			1.2	10	AEGEAN SEA
	16	13	17	52.0	14.389	N	92.712	W	44		4.6		1.1	36	NEAR COAST OF CHIAPAS, MEXICO
	16	14	05	11.8%	47.532	N	7.853	E	10	G			1.3	6	SWITZERLAND
	16	17	28	21.0*	36.170	N	30.883	E	10	G			1.0	5	TURKEY
	16	18	08	47.8&	59.954	N	152.538	W	71					23	SOUTHERN ALASKA. <AGS-P>.
	16	18	38	40.3%	37.608	N	30.202	E	10	G			0.5	5	TURKEY
	16	19	41	59.7&	57.330	N	143.010	W	10	G	4.2			46	GULF OF ALASKA. <AGS-P>.
	16	20	50	00.1*	38.980	N	29.840	E	10	G			1.1	6	TURKEY
	16	20	52	29.3*	36.764	N	27.576	E	10	G			0.5	5	DODECANESE ISLANDS
a	16	21	17	10.0	10.242	S	27.697	E	10	G	5.4	4.7	0.9	119	ZAIRE REPUBLIC
	16	21	24	31.4	51.456	N	178.355	W	33	N	4.8		0.9	62	ANDREANOF ISLANDS, ALEUTIAN IS.
	16	22	41	13.7*	30.672	N	50.109	E	49	?	4.4		1.1	9	IRAN
	16	22	47	22.6*	32.193	N	49.162	E	29	*	4.5		1.5	11	WESTERN IRAN
	16	23	54	52.5*	4.249	N	82.476	W	33	N	4.7	3.5	1.0	11	SOUTH OF PANAMA
	17	00	14	59.8*	37.081	N	29.291	E	10	G			1.2	7	TURKEY
	17	01	39	52.5*	8.369	S	120.306	E	174	?	4.2		1.3	8	FLORES ISLAND REGION
	17	02	07	08.2	44.829	N	6.776	E	12				0.6	18	FRANCE. ML 2.7 (LDG).
	17	02	15	10.7	64.019	N	148.951	W	33	N			1.0	7	CENTRAL ALASKA. ML 2.8 (PMR).
	17	02	17	45.2*	11.218	N	86.669	W	64	*	4.7		1.4	46	NEAR COAST OF NICARAGUA. MD 4.6 (HDC).
a	17	02	50	37.7	17.420	S	72.387	W	33	N	5.4	5.3	1.1	191	NEAR COAST OF PERU. Felt (III) at Arequipa.
	17	02	51	32.9	37.758	N	15.028	E	10	G			0.9	7	SICILY
	17	03	23	04.1*	20.955	S	178.183	W	526	*	4.8		1.0	23	FIJI ISLANDS REGION
	17	03	41	04.0?	46.65	N	10.15	E	10	G			1.6	6	NORTHERN ITALY
	17	04	10	02.0	44.488	N	7.016	E	10	G			0.5	9	NORTHERN ITALY. ML 2.5 (LDG).
	17	04	29	21.1*	5.929	S	153.232	E	33	N	4.4		1.1	16	NEW IRELAND REGION
	17	05	04	22.6?	42.68	N	146.23	E	33	N	4.4		1.9	4	OFF COAST OF HOKKAIDO, JAPAN. Felt (II JMA) at Nemuro.
a	17	05	11	34.6	58.428	S	25.066	W	33	N	5.5	6.1	1.1	127	SOUTH SANDWICH ISLANDS REGION
	17	06	04	59.5	38.491	N	14.685	E	10				0.3	10	SICILY
	17	06	32	28.8*	58.484	S	25.005	W	33	N	5.0		1.0	28	SOUTH SANDWICH ISLANDS REGION
	17	07	19	38.3?	16.51	S	71.64	W	33	N			0.6	5	SOUTHERN PERU
	17	07	24	21.2*	58.410	S	25.013	W	33	N	4.7		1.2	19	SOUTH SANDWICH ISLANDS REGION
	17	09	49	43.9	39.187	N	143.478	E	30		4.8	4.9	1.1	88	OFF EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyako and (I JMA) at Morioka.
	17	09	54	30.4	39.193	N	143.404	E	48		4.7	4.9	1.0	74	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Morioka.
	17	10	12	27.2?	18.63	N	65.62	W	33	N			0.5	5	PUERTO RICO REGION
	17	10	44	55.2?	56.95	S	147.14	E	10	G	4.9		0.9	12	WEST OF MACQUARIE ISLAND
	17	11	32	42.6	38.502	N	15.968	E	10	G			0.6	7	SICILY
	17	12	08	53.6	38.404	N	23.710	E	5	G			1.5	11	GREECE. ML 3.2 (ATH). Felt at Oropos.
	17	12	23	41.4*	58.491	S	24.750	W	33	N	3.6		1.1	13	SOUTH SANDWICH ISLANDS REGION
	17	13	54	56.6	52.056	N	179.109	W	137		4.4		1.0	41	ANDREANOF ISLANDS, ALEUTIAN IS.
	17	15	19	49.7?	6.15	S	147.90	E	57	?	4.9		1.1	8	EAST PAPUA NEW GUINEA REGION
	17	15	20	33.7%	38.438	N	14.708	E	13				1.2	14	SICILY
	17	15	28	18.6&	62.229	N	151.284	W	78					33	CENTRAL ALASKA. <AGS-P>.
	17	17	23	00.5	9.491	N	84.193	W	27	*			0.8	14	COSTA RICA. MD 3.6 (SJR), 3.4 (HDC). Felt (II) at

													Cartago and Alajuela. Also felt at San Isidro and Heredia.
	17	18	02	49.8&	59.849	N	153.680	W	135			29	SOUTHERN ALASKA. <AGS-P>.
	17	19	01	38.5	39.191	N	17.659	E	24	3.5	1.1	27	SOUTHERN ITALY. ML 3.0 (TTG).
	17	20	21	32.3&	59.681	N	153.012	W	102			22	SOUTHERN ALASKA. <AGS-P>.
	17	22	02	36.2•	42.355	N	126.164	W	10 G	4.4	1.0	13	OFF COAST OF OREGON
	18	00	16	49.4?	46.33	N	151.09	E	33 N	4.7	0.6	22	KURIL ISLANDS
	18	00	29	11.5&	58.141	N	151.528	W	72			34	KODIAK ISLAND REGION. <AGS-P>.
	18	01	46	15.5•	17.188	N	96.457	W	77	4.5	1.1	21	OAXACA, MEXICO
	18	01	59	52.9•	6.755	N	123.620	E	33 N	4.8	1.5	11	MINDANAO, PHILIPPINE ISLANDS
	18	02	13	47.4?	18.81	N	67.24	W	33 N		0.4	7	MONA PASSAGE
	18	02	54	15.9•	42.577	N	1.022	E	10 G		0.3	5	PYRENEES. ML 2.7 (LDG).
	18	03	11	04.9	44.173	N	10.515	E	12		1.0	37	NORTHERN ITALY. ML 3.1 (LDG). MD 3.0 (FIR), 2.9 (TRI).
	18	04	42	22.8%	10.728	N	85.532	W	33 N		0.5	6	COSTA RICA. MD 4.3 (HDC).
	18	05	18	36.4•	24.827	N	93.851	E	71 •	4.3	1.4	16	BURMA-INDIA BORDER REGION
	18	05	40	17.4%	15.715	N	60.920	W	33 N		0.1	6	LEEWARD ISLANDS. ML 2.4 (FDF).
	18	06	33	46.9•	5.940	N	77.817	W	33 N	4.2 3.5	1.0	10	NEAR WEST COAST OF COLOMBIA
	18	07	12	41.1&	35.680	N	117.500	W	11			22	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.5 (BRK). Felt (III) at Ridgecrest.
	18	08	29	03.9%	40.525	N	29.895	E	10 G		1.0	5	TURKEY
	18	09	52	42.5%	39.318	N	27.661	E	10 G		1.0	8	TURKEY
	18	10	46	09.8%	46.699	N	0.136	W	10 G		1.0	17	FRANCE. ML 2.7 (LDG).
	18	10	52	43.0%	39.640	N	29.384	E	10 G		1.3	5	TURKEY
	18	11	11	28.9•	41.235	N	23.695	E	10 G		1.4	6	GREECE-BULGARIA BORDER REGION. ML 2.2 (SKO).
	18	13	35	22.7%	59.094	N	5.892	E	10 G		0.7	6	SOUTHERN NORWAY. MD 2.1 (BER).
	18	14	53	29.6?	16.39	N	62.29	W	33 N		1.3	7	LEEWARD ISLANDS. ML 3.1 (FDF).
	18	15	50	11.7%	40.778	N	29.154	E	10 G		0.9	6	TURKEY
	18	17	13	29.8	25.022	S	177.417	W	196 •	5.1	0.7	68	SOUTH OF FIJI ISLANDS
	18	17	23	17.8%	39.325	N	27.629	E	10 G		1.0	10	TURKEY
	18	18	25	43.3	33.799	S	71.125	W	33 N		0.5	8	NEAR COAST OF CENTRAL CHILE
	18	18	32	30.5	38.882	N	26.336	E	10 G		1.5	10	AEGEAN SEA
	18	18	35	06.9	46.018	N	12.232	E	10 G		1.0	62	NORTHERN ITALY. ML 3.8 (FUR), 3.5 (VKA), 3.5 (LDG).
	18	20	17	11.0•	11.462	N	86.864	W	61 •	4.8	1.2	25	NEAR COAST OF NICARAGUA. MD 5.1 (HDC), 4.4 (SJR).
	18	20	37	42.2?	47.16	N	152.17	E	33 N	5.0	0.7	11	KURIL ISLANDS
	18	22	00	19.4	34.800	N	25.745	E	19	4.3 3.9	1.4	138	CRETE. ML 4.4 (ATH).
	18	22	13	15.9%	42.775	N	12.627	E	10 G		1.4	5	CENTRAL ITALY
	18	22	30	54.8&	37.878	N	122.230	W	6			10	CENTRAL CALIFORNIA. <BRK>. ML 2.1 (BRK). Felt at Berkeley.
	18	22	42	54.4	39.254	N	143.434	E	33 N	4.6 3.5	1.0	52	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Morioka.
	18	23	54	26.6	42.142	N	25.128	E	10 G		0.8	9	BULGARIA
	19	01	36	24.7	17.899	S	69.328	W	164	4.9	0.4	12	PERU-BOLIVIA BORDER REGION
a	19	01	56	30.6	41.451	N	142.022	E	70	5.0	1.0	162	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hakodate and Muroran, Hokkaido. Felt (II JMA) at Hachinohe and (I JMA) at Aomori, Morioka and Miyako, Honshu.
	19	03	05	54.7	31.571	S	69.722	W	33 N		1.0	11	SAN JUAN PROVINCE, ARGENTINA
	19	03	09	50.5?	39.40	N	143.45	E	33 N	4.1	0.5	5	OFF EAST COAST OF HONSHU, JAPAN
	19	03	47	08.7	44.251	N	12.277	E	10		1.3	17	NORTHERN ITALY. MD 3.1 (TRI), 3.0 (FIR). ML 2.8 (KBA).
	19	04	43	35.8	46.167	N	13.989	E	10 G		1.0	13	AUSTRIA. MD 2.8 (TRI). ML 2.4 (KBA).
	19	05	37	20.1	30.049	N	130.086	E	39 •	4.9	1.2	27	KYUSHU, JAPAN
	19	05	37	47.8•	31.701	S	68.446	W	96 ?		1.5	9	SAN JUAN PROVINCE, ARGENTINA
a	19	05	54	13.1	21.838	N	142.891	E	292	5.2	0.9	184	MARIANA ISLANDS REGION
	19	06	42	47.4&	36.727	N	120.767	W	5			23	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	19	08	12	26.5•	29.618	N	42.812	W	10 G	4.3	0.3	12	NORTH ATLANTIC RIDGE
	19	08	44	14.6&	40.490	N	124.277	W	24	4.1		55	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.9 (BRK). Felt (IV) at Carlotta, Fortuna, Honeydew, Petrolia, Redcrest and Rio Dell; (III) at Arcata, Bridgeville, Eureka, Loleta, Miranda, Myers Flat, Scotia and Weott.
	19	10	14	23.2&	60.186	N	153.435	W	149			30	SOUTHERN ALASKA. <AGS-P>.
	19	10	38	54.0&	58.258	N	141.375	W	10 G			24	OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>.
	19	11	55	55.6?	58.70	N	6.11	E	10 G		0.4	5	SOUTHERN NORWAY. MD 2.0 (BER).
	19	12	49	07.1	32.137	S	69.931	W	150 ?		0.4	12	MENDOZA PROVINCE, ARGENTINA
	19	14	43	35.0?	1.68	S	132.99	E	33 N	4.1	0.7	8	WEST IRIAN REGION
	19	15	17	30.1%	43.935	N	7.178	E	10 G		0.3	6	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG).
	19	15	41	55.6?	40.60	N	42.81	E	10 G	3.7	1.4	6	TURKEY
	19	16	19	19.0•	3.318	S	132.003	E	33 N	4.2	0.4	5	WEST IRIAN REGION
	19	17	02	56.3•	22.331	S	68.331	W	107 •		1.0	9	NORTHERN CHILE
	19	17	46	29.9•	49.082	N	158.484	E	33 N	4.2	0.9	11	KURIL ISLANDS REGION
	19	18	33	52.1?	1.87	S	132.87	E	33 N	4.6	0.9	8	WEST IRIAN REGION
o	19	18	53	42.4	17.979	S	178.518	W	581	5.1	0.9	70	FIJI ISLANDS REGION
	19	19	00	46.0?	10.99	N	85.16	W	179 ?		0.3	10	COSTA RICA
	19	19	01	45.3	3.729	N	126.562	E	65 •	5.0	1.0	33	TALAUD ISLANDS
a	19	19	10	49.1	3.835	N	126.648	E	40 •	5.5 5.2	1.2	141	TALAUD ISLANDS
	19	19	25	07.6	3.713	N	126.510	E	33 N	4.9	1.0	49	TALAUD ISLANDS
	19	19	35	07.6%	60.698	N	5.604	E	0 G		0.6	6	SOUTHERN NORWAY. MD 2.1 (BER). Probable explosion.
f	19	20	48	51.7	1.886	N	127.279	E	75 G	5.7	1.1	195	HALMAHERA. Depth from broadband displacement seismograms.
	19	21	40	19.5?	17.74	S	178.08	W	589 •	4.9	1.1	13	FIJI ISLANDS REGION
	19	21	59	08.8	40.101	N	29.315	E	10 G		0.9	7	TURKEY
	19	22	05	04.2	56.446	N	156.378	W	77 D	5.2	0.9	193	ALASKA PENINSULA. Felt (IV) at Chignik, Chignik Lagoon and Perryville; (III) at Sand Point.
	19	22	26	33.7%	18.229	N	66.924	W	33 N		1.2	5	PUERTO RICO REGION
	19	23	10	24.0	9.556	S	120.699	E	47 •	5.3 4.4	1.4	65	SUMBA ISLAND REGION. Felt (III) at Waingapu.
	19	23	41	43.5•	9.322	S	150.828	E	23 •	3.7	0.6	8	EAST PAPUA NEW GUINEA REGION
	20	02	38	57.2	6.750	S	153.230	E	8	5.2	1.0	72	NEW BRITAIN REGION
a	20	03	50	08.3	39.109	N	44.123	E	55	5.0 4.7	1.1	207	N.W. IRAN-USSR BORDER REGION. Some damage in the Caldiron area, Turkey. Felt in the Maku area, Iran.
a	20	04	25	36.6	0.960	N	30.267	W	10 G	5.8 5.3	0.9	291	CENTRAL MID-ATLANTIC RIDGE
	20	05	03	23.1•	44.164	N	11.464	E	10 G		0.5	5	NORTHERN ITALY
	20	06	40	25.9	27.042	N	86.694	E	55	5.4	0.9	237	NEPAL. Felt at Kathmandu.
	20	06	43	45.4?	5.86	S	147.67	E	210 ?	4.5	1.4	6	EAST PAPUA NEW GUINEA REGION
	20	06	54	44.4	38.957	N	24.232	E	10 G		0.9	8	AEGEAN SEA. ML 3.2 (ATH).
	20	07	21	30.8	1.043	N	30.299	W	10 G	4.8	0.8	35	CENTRAL MID-ATLANTIC RIDGE

a	20	08	03	11.0	16.767	S	177.135	W	33	N	5.1	5.0	1.1	51	FIJI ISLANDS REGION
	20	10	27	42.8	28.078	N	129.930	E	32		5.2	5.3	1.2	77	RYUKYU ISLANDS. Felt (II JMA) at Naze, Amami-o-shima.
	20	11	50	35.4•	34.380	N	139.097	E	15		4.0		1.0	10	NEAR S. COAST OF HONSHU, JAPAN
	20	12	18	51.5•	15.660	S	172.955	W	33	N	4.7	4.5	1.0	26	SAMOA ISLANDS REGION
	20	13	20	46.3	11.730	S	124.044	E	61	?	4.8		1.2	16	SOUTH OF TIMOR
	20	13	30	14.5	30.524	N	50.087	E	33	N	4.6		1.1	23	IRAN
	20	14	04	05.0?	37.61	N	135.24	E	498	?	4.0		0.9	9	SEA OF JAPAN
	20	14	23	51.9&	36.517	N	121.138	W	7					16	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK), 3.0 (PAS).
	20	14	35	03.1?	18.39	N	68.84	W	142	?			0.6	10	MONA PASSAGE
	20	14	54	27.6	10.704	N	57.052	E	10	G	5.0		0.9	78	CARLSBERG RIDGE
	20	16	56	11.6•	5.438	S	152.625	E	52	•	4.5		1.4	12	NEW BRITAIN REGION
	20	17	26	16.7&	57.101	N	143.360	W	10	G	4.0			32	GULF OF ALASKA. <AGS-P>.
	20	18	15	42.2	49.191	N	6.904	E	10	G			1.2	17	GERMANY
	20	19	48	15.2?	37.41	N	21.72	E	10	G			1.0	6	SOUTHERN GREECE. ML 3.6 (ATH).
	20	19	52	43.3&	59.691	N	152.787	W	83					41	SOUTHERN ALASKA. <AGS-P>.
	20	21	06	30.0?	29.29	S	71.87	W	33	N			0.5	10	NEAR COAST OF CENTRAL CHILE
	20	21	43	07.1•	8.045	S	109.014	E	99	•	4.6		1.2	29	JAVA
	21	02	01	09.1&	36.813	N	121.595	W	3					17	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	21	02	11	51.7•	36.531	N	22.425	E	42	•	4.0		0.7	15	SOUTHERN GREECE. ML 3.4 (ATH). Felt at Kalamai and in Lakonia Province.
	21	02	41	32.3%	40.798	N	28.302	E	10	G			1.1	5	TURKEY
	21	03	23	02.8&	59.824	N	153.188	W	114					32	SOUTHERN ALASKA. <AGS-P>.
	21	03	54	49.9%	45.955	N	0.074	E	10	G			0.8	7	FRANCE. ML 2.4 (LDG).
	21	04	33	58.5•	51.117	N	15.928	E	10	G			0.7	6	POLAND
	21	04	47	04.1•	31.813	S	71.734	W	10	G			0.6	9	NEAR COAST OF CENTRAL CHILE
	21	05	14	30.9•	7.632	S	122.668	E	323	•	4.9		1.1	17	FLORES SEA
	21	06	41	59.9%	42.750	N	12.840	E	10	G			0.8	5	CENTRAL ITALY
	21	08	08	50.6&	60.471	N	152.260	W	93					32	SOUTHERN ALASKA. <AGS-P>.
	21	08	14	47.5&	33.410	N	117.070	W	6					18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (III) at Pala and Vista.
	21	08	48	15.7•	17.575	S	72.324	W	52	•	5.0		1.4	17	NEAR COAST OF PERU
	21	10	01	48.0	39.045	N	44.050	E	47	•	4.7	4.0	1.1	45	N.W. IRAN-USSR BORDER REGION. Felt at Muradiye, Turkey.
	21	10	02	05.5%	39.122	N	27.581	E	10	G			0.5	5	TURKEY
	21	10	14	32.9%	8.917	N	84.006	W	10	G			0.8	7	OFF COAST OF COSTA RICA. MD 3.8 (SJR).
	21	10	58	08.1&	35.855	N	99.207	W	5	G				4	OKLAHOMA. <TUL>. MD 1.7 (TUL).
	21	11	02	01.4&	59.735	N	153.394	W	123					27	SOUTHERN ALASKA. <AGS-P>.
	21	14	19	13.5	0.830	N	30.239	W	10	G	4.8	4.5	1.0	31	CENTRAL MID-ATLANTIC RIDGE
	21	14	27	04.1	11.738	N	86.264	W	97		4.4		1.2	57	NEAR COAST OF NICARAGUA. MD 4.4 (SJR). Felt in the Managua area and along the Pacific coast.
	21	14	32	31.9?	58.59	N	6.14	E	10	G			0.5	5	SOUTHERN NORWAY. MD 2.0 (BER).
	21	15	00	32.4&	37.342	N	121.747	W	5					15	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt at San Jose.
	21	15	38	24.8%	40.558	N	27.676	E	10	G			0.7	6	TURKEY
	21	16	01	51.5	24.771	N	122.737	E	116		3.9		1.0	28	TAIWAN REGION
	21	16	27	29.4	23.824	N	121.734	E	12		4.3		0.9	18	TAIWAN
	21	16	34	31.4•	38.312	N	28.667	E	10	G			1.4	8	TURKEY
	21	16	45	37.5•	35.695	S	144.501	E	31	•			0.7	8	NEW SOUTH WALES, AUSTRALIA. MD 3.4 (CNB), 3.0 (TOO).
	21	16	45	57.8•	23.822	N	121.692	E	10	G			0.2	5	TAIWAN
	21	16	52	53.9•	23.814	N	121.745	E	10	G			0.4	7	TAIWAN
a	21	18	27	58.0	44.264	N	152.167	E	26	D	5.4	5.0	0.8	292	KURIL ISLANDS REGION
	21	18	38	34.9•	0.907	N	30.298	W	10	G	4.8		1.1	16	CENTRAL MID-ATLANTIC RIDGE
	21	18	56	44.1	2.313	S	102.259	E	199		4.7		1.0	61	SOUTHERN SUMATERA
	21	19	29	50.1	0.164	S	124.023	E	100	•	4.5		0.7	13	MOLUCCA SEA
	21	19	30	38.6&	58.500	N	143.110	W	10	G	4.4			54	GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR).
	21	20	10	02.3?	9.26	S	123.53	E	33	N			1.2	7	TIMOR
	21	20	17	29.3	3.184	N	126.868	E	69	•	5.1		1.2	63	TALAUD ISLANDS
	21	20	22	19.9•	4.854	N	127.105	E	34	?	5.1	4.7	1.3	20	TALAUD ISLANDS
	21	20	30	06.8•	36.709	N	29.084	E	10	G			0.9	6	TURKEY
	21	21	31	55.8•	4.262	S	131.706	E	33	N	4.4		1.3	14	BANDA SEA
	21	21	38	43.3•	4.863	N	127.050	E	67	•			1.0	11	TALAUD ISLANDS
	21	21	53	40.4?	5.55	S	133.45	E	33	N			1.2	5	AROE ISLANDS REGION
	21	22	23	48.9•	16.284	N	61.620	W	96	?			0.3	8	LEEWARD ISLANDS
	21	22	53	47.9&	61.674	N	146.644	W	27		3.5			41	SOUTHERN ALASKA. <AGS-P>. ML 3.8 (PMR).
	22	00	30	18.8%	44.754	N	6.829	E	10	G			0.6	9	FRANCE. ML 2.5 (LDG).
	22	00	42	23.6	38.816	N	20.997	E	10	G	3.6		1.1	32	GREECE. ML 4.0 (ATH).
	22	01	23	19.4?	45.73	N	20.79	E	10	G			1.5	5	YUGOSLAVIA. MG 3.8 (BEO).
	22	01	53	59.0	47.283	N	27.372	W	10	G	4.6	4.3	0.9	42	NORTH ATLANTIC RIDGE
	22	01	54	08.8	30.793	N	50.373	E	32		5.1	4.4	1.0	217	IRAN. Felt in the Ahvaz area.
	22	02	07	21.8&	60.096	N	153.111	W	128					23	SOUTHERN ALASKA. <AGS-P>.
	22	03	02	39.0?	37.57	N	71.52	E	33	N	4.4		0.1	5	AFGHANISTAN-USSR BORDER REGION
	22	03	50	11.8•	1.908	N	126.728	E	47	?	4.5		1.2	16	MOLUCCA PASSAGE
a	22	04	03	34.8	17.062	N	61.543	W	61		5.0		0.7	198	LEEWARD ISLANDS. Felt (V) on Antigua and (IV) on St. Kitts and Guadeloupe.
	22	04	23	44.0?	34.35	S	72.46	W	31	•			0.9	9	NEAR COAST OF CENTRAL CHILE
	22	05	27	58.9?	34.17	S	72.35	W	10	G			0.7	11	NEAR COAST OF CENTRAL CHILE
	22	05	33	48.4?	4.08	S	142.20	E	89	?	3.9		1.0	6	PAPUA NEW GUINEA
	22	05	39	16.6?	34.41	S	72.64	W	33	N			0.8	12	NEAR COAST OF CENTRAL CHILE
	22	06	26	35.8•	37.312	N	28.975	E	10	G			0.8	5	TURKEY
	22	09	05	20.2&	60.122	N	152.970	W	129					24	SOUTHERN ALASKA. <AGS-P>.
	22	09	06	42.3•	9.646	S	151.181	E	33	N	3.8		0.5	5	DENTRECASTEAUX ISLANDS REGION
	22	09	30	06.9	49.822	N	78.119	E	0	G	4.9		0.8	66	EASTERN KAZAKH SSR
	22	10	16	18.3	10.051	N	60.108	W	50	G			0.6	22	TRINIDAD. MG 4.4 (FDF).
	22	11	04	53.3	40.110	N	29.346	E	10	G			0.5	9	TURKEY
	22	12	11	58.7?	12.16	S	117.99	E	33	N	3.9		1.4	7	SOUTH OF SUMBAWA ISLAND
	22	12	31	37.0•	38.812	N	30.361	E	10	G			1.4	7	TURKEY
	22	12	46	06.9•	35.138	N	70.191	E	33	N	4.3		0.8	9	HINDU KUSH REGION
	22	12	50	23.2?	5.09	S	101.17	E	33	N	3.7		0.9	6	SOUTHWEST OF SUMATERA
	22	15	14	43.0•	18.374	N	145.782	E	143	D	4.2		1.0	28	MARIANA ISLANDS
	22	16	07	09.6•	32.829	S	68.194	W	10	G			1.1	12	MENDOZA PROVINCE, ARGENTINA
	22	16	31	21.5%	46.817	N	9.497	E	10	G			1.5	5	SWITZERLAND
	22	18	32	32.4•	5.143	S	143.285	E	117	?	4.5		0.4	6	PAPUA NEW GUINEA
	22	19	46	07.8%	44.541	N	6.834	E	10	G			0.1	5	FRANCE. ML 2.0 (LDG).
	22	20	22	11.4%	39.987	N	28.882	E	10	G			0.9	9	TURKEY

	22	20	39	18.8•	7.673	S	106.139	E	33	N			1.3	13	JAVA
	22	20	51	28.2•	35.762	S	144.517	E	10	G			0.4	6	NEW SOUTH WALES, AUSTRALIA. ML 3.2 (TOO), 3.1 (BFD), 3.1 (STK).
	22	21	49	19.9•	35.671	S	144.508	E	10	G			1.0	6	NEW SOUTH WALES, AUSTRALIA. ML 3.0 (BFD), 2.8 (STK), 2.5 (TOO).
	23	00	29	01.4%	40.144	N	29.434	E	10	G			0.5	7	TURKEY
	23	02	25	09.5%	40.450	N	29.176	E	10	G			0.5	6	TURKEY
	23	03	57	38.0•	35.420	N	22.750	E	10	G	3.7		1.5	7	MEDITERRANEAN SEA. ML 3.6 (ATH).
	23	03	59	35.1?	16.36	N	94.58	W	231	?			1.4	10	OAXACA, MEXICO
	23	04	01	32.5?	40.14	N	14.85	E	10	G			1.3	5	SOUTHERN ITALY
a	23	04	13	37.9	30.851	S	177.999	W	60	D	5.2		1.1	45	KERMADEC ISLANDS
	23	04	43	02.6%	15.926	N	60.590	W	31	•			1.3	9	LEEWARD ISLANDS. ML 2.3 (FDF).
	23	05	42	59.7	36.562	N	73.005	E	38	•	4.8	4.3	1.2	62	NORTHWESTERN KASHMIR. Felt (III) at Kharog and (II) at Andizhan, USSR.
	23	07	22	16.5	42.303	N	19.816	E	10	G			1.0	8	YUGOSLAVIA. ML 2.3 (TTG).
	23	08	46	41.8•	39.619	N	29.436	E	10	G			0.7	6	TURKEY
	23	09	49	28.1	54.964	N	2.869	W	10	G			0.5	16	UNITED KINGDOM. ML 2.4 (BGS).
	23	11	54	38.3?	31.14	S	69.61	W	33	N			1.4	8	SAN JUAN PROVINCE, ARGENTINA
	23	12	50	19.0%	16.688	N	61.776	W	10	G			0.5	5	LEEWARD ISLANDS. ML 2.1 (FDF).
	23	13	05	17.1•	36.907	N	29.219	E	10	G			1.2	5	TURKEY
	23	16	05	44.7•	36.892	N	29.179	E	10	G			1.3	6	TURKEY
	23	16	48	24.1	36.608	N	71.023	E	181	?	4.4		0.6	15	AFGHANISTAN–USSR BORDER REGION
	23	16	57	31.8&	36.175	N	120.235	W	8					17	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK), 3.1 (PAS).
	23	19	04	07.7	29.311	N	99.579	E	45	•	4.4		1.3	18	SICHUAN PROVINCE, CHINA
	23	21	01	40.7?	33.49	S	72.17	W	10	G			0.2	5	OFF COAST OF CENTRAL CHILE
	23	21	49	24.6•	6.328	S	146.938	E	106	•	4.0		0.9	10	EAST PAPUA NEW GUINEA REGION
	23	22	58	58.4•	6.332	S	154.723	E	33	N	4.6		1.1	8	SOLOMON ISLANDS. Felt (III) at Arawa and Panguna, Bougainville.
	24	00	02	48.1•	36.866	N	29.197	E	10	G			0.8	6	TURKEY
	24	00	24	13.0?	10.44	S	125.55	E	33	N			1.4	7	TIMOR SEA
	24	00	34	08.2%	38.477	N	14.474	E	10	G			1.1	6	SICILY
	24	01	14	52.1&	45.960	N	64.880	W	18	G				12	NOVA SCOTIA. <OTT–P>. mbLg 3.7 (OTT). Felt at Moncton, New Brunswick.
	24	01	41	35.9•	19.855	S	133.984	E	5	G			1.4	5	NORTHERN TERRITORY, AUSTRALIA
a	24	02	37	25.5	13.717	N	124.812	E	43		5.1	5.3	1.1	88	LUZON, PHILIPPINE ISLANDS
	24	02	52	13.1&	61.550	N	149.861	W	66		3.5			40	SOUTHERN ALASKA. <AGS–P>. Felt (IV) at Wasilla and Willow, (III) at Eagle River and Palmer.
	24	04	21	35.1?	37.94	S	151.24	E	33	N	4.1		1.1	11	EAST OF AUSTRALIA. MD 3.7 (TOO).
	24	04	35	38.0•	15.540	N	104.627	W	10	G	4.2		1.3	16	OFF COAST OF MICHOACAN, MEXICO
	24	06	03	34.3•	33.471	S	70.576	W	100	?			0.4	9	CHILE–ARGENTINA BORDER REGION
	24	06	33	36.1?	51.72	N	178.82	E	33	N	4.2		1.2	13	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.0 (PMR).
	24	07	29	21.9•	21.635	S	179.792	W	629	•	4.5		0.6	24	FIJI ISLANDS REGION
	24	10	10	32.8	38.853	N	20.523	E	10	G	4.2	3.8	1.3	75	GREECE. ML 4.5 (ATH), 4.2 (TTG). Felt on Levkas.
	24	10	16	49.4	62.649	N	151.538	W	107				1.0	20	CENTRAL ALASKA
	24	11	00	55.5%	40.719	N	29.761	E	10	G			0.6	8	TURKEY
	24	12	13	39.0&	32.900	N	115.640	W	6	G				5	CALIFORNIA–MEXICO BORDER REGION. <PAS–P>. ML 3.0 (PAS).
	24	14	24	31.2	47.359	N	6.770	W	10	G			0.5	18	NORTH ATLANTIC OCEAN. ML 3.2 (LDG).
	24	14	45	13.8?	34.07	S	72.35	W	10	G			0.5	8	NEAR COAST OF CENTRAL CHILE
	24	14	49	00.9	33.774	S	71.563	W	10	G			0.5	9	NEAR COAST OF CENTRAL CHILE
	24	15	48	37.9%	42.784	N	12.748	E	10	G			1.1	5	CENTRAL ITALY
a	24	15	59	11.2	51.841	N	175.903	E	33	N	5.0	4.5	1.1	149	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PMR).
	24	16	48	07.3•	2.381	N	31.610	W	10	G	4.7	4.4	1.2	26	CENTRAL MID-ATLANTIC RIDGE
	24	17	27	09.0?	7.44	S	123.74	E	245	?	4.4		0.7	11	BANDA SEA
	24	17	36	08.0	46.323	N	6.656	E	10	G			1.0	19	SWITZERLAND. ML 3.1 (LDG).
	24	17	58	44.3•	40.188	N	19.403	E	33	N			1.2	8	ALBANIA
	24	18	13	15.1	44.512	N	6.551	E	10	G			0.5	12	FRANCE. ML 2.6 (LDG).
	24	18	21	23.5%	44.521	N	6.485	E	10	G			0.9	8	FRANCE. ML 2.5 (LDG).
	24	19	10	00.0?	16.86	S	175.64	W	215	?			1.6	8	TONGA ISLANDS
a	24	20	03	29.1	23.478	N	121.851	E	44	D	5.5	5.5	0.9	248	TAIWAN. Felt on northeostern Taiwan.
	24	20	23	29.2•	36.748	N	69.542	E	33	N	4.1		0.8	6	HINDU KUSH REGION
o	24	20	49	33.6	40.857	N	28.227	E	16		5.0		1.2	167	TURKEY. ML 4.8 (ATH). Felt ot Istanbul.
	24	21	41	15.0•	32.368	S	71.841	W	10	G			0.7	11	NEAR COAST OF CENTRAL CHILE
	24	22	02	18.2•	6.888	S	147.022	E	100	•			0.4	9	EAST PAPUA NEW GUINEA REGION
	24	23	22	21.0	46.414	N	6.364	E	10	G			1.2	11	SWITZERLAND. ML 2.7 (LDG).
	24	23	24	50.2•	33.788	S	71.565	W	10	G			1.0	9	NEAR COAST OF CENTRAL CHILE
	24	23	27	17.1•	33.784	S	71.625	W	10	G			0.8	9	NEAR COAST OF CENTRAL CHILE
	25	00	41	54.8•	51.529	N	16.075	E	10	G			0.4	11	POLAND. ML 3.7 (VKA), 3.6 (GRF), 3.4 (KBA).
	25	00	59	37.5%	33.920	S	71.037	W	10	G			0.6	8	NEAR COAST OF CENTRAL CHILE
	25	01	08	02.8&	61.547	N	149.893	W	57		4.0			43	SOUTHERN ALASKA. <AGS–P>. Felt (IV) at Eklutna, Palmer and Thunderbird Falls, (III) at Anchorage, Eagle River and Wasilla.
o	25	01	19	29.5	23.851	S	176.940	W	85	D	5.5		0.9	122	SOUTH OF FIJI ISLANDS
	25	01	20	10.3	40.836	N	28.293	E	10	G			0.7	10	TURKEY
	25	02	14	55.7•	36.115	N	31.137	E	10	G			1.5	6	TURKEY
	25	02	16	41.2	36.158	N	21.526	E	33	N	3.8		1.0	14	SOUTHERN GREECE. ML 3.3 (ATH).
	25	02	32	28.4•	39.264	N	26.267	E	10	G			0.8	5	TURKEY
	25	02	46	09.6•	5.482	S	153.249	E	10	G	3.7		1.6	6	NEW IRELAND REGION
	25	03	07	20.2	44.085	N	7.139	E	10	G			0.8	11	NORTHERN ITALY. ML 2.6 (LDG).
	25	04	55	21.9&	40.500	N	125.600	W	5	G				4	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	25	05	42	51.6?	38.77	N	26.30	W	10	G			0.4	5	AZORES ISLANDS
	25	06	09	00.6?	40.12	N	19.46	E	10	G			1.8	5	ALBANIA. MG 3.1 (TIR).
a	25	06	11	33.8	58.680	S	25.305	W	33	N	5.4	4.3	0.8	84	SOUTH SANDWICH ISLANDS REGION
	25	06	15	16.3%	40.231	N	28.727	E	10	G			1.1	5	TURKEY
	25	06	30	13.6	58.637	S	25.184	W	33	N	5.3		0.9	76	SOUTH SANDWICH ISLANDS REGION
	25	09	13	17.5•	8.734	N	83.258	W	33	N			0.6	15	COSTA RICA. MG 3.8 (SJR). Felt at Golfito.
	25	10	03	19.8•	36.087	N	31.216	E	10	G			0.8	6	TURKEY
f	25	10	10	33.8	7.791	S	158.255	E	44	G	6.1	6.0	0.9	325	SOLOMON ISLANDS. Ms 5.8 (BRK), 5.8 (PAS). Felt (III) at Honiara, Guadalcanal; Arawa and Panguna, Bougainville and Rabaul, New Britain. Depth from broadband displacement seismograms.
	25	10	44	16.4%	39.609	N	29.461	E	10	G			0.7	5	TURKEY
	25	11	31	50.5	4.647	S	149.437	E	562		4.9		1.0	36	BISMARCK SEA
	25	12	07	20.1&	62.655	N	151.422	W	99					31	CENTRAL ALASKA. <AGS–P>.

	25	12	15	13.5%	40.817	N	28.334	E	10	G			0.6	6	TURKEY
	25	12	59	13.1	1.781	N	126.569	E	73	•	5.0		1.2	59	MOLUCCA PASSAGE
	25	13	40	03.3	30.603	N	103.162	E	10	G	4.8		1.4	44	SICHUAN PROVINCE, CHINA. ML 4.6 (BJI).
	25	14	24	54.1	36.931	N	73.257	E	33	N	4.8		1.4	8	NORTHWESTERN KASHMIR
	25	14	28	19.3	44.391	N	9.632	E	10	G			1.3	13	NORTHERN ITALY
	25	14	46	14.6%	44.512	N	9.617	E	10	G			1.2	5	NORTHERN ITALY
	25	15	03	26.5%	44.668	N	3.458	E	10	G			1.1	7	FRANCE. ML 2.7 (LDG).
	25	16	04	02.7	26.817	N	86.625	E	67	•	4.8		1.3	22	NEPAL-INDIA BORDER REGION
	25	16	13	49.6?	30.48	N	67.56	E	33	N	4.2		0.1	5	PAKISTAN
	25	16	40	30.3	13.582	N	124.795	E	33	N	4.7		1.2	28	LUZON, PHILIPPINE ISLANDS
	25	17	01	24.8	63.560	N	149.943	W	136	•	3.5		0.8	12	CENTRAL ALASKA
	25	17	40	06.8	36.573	N	72.672	E	57	•	4.7	4.1	1.3	44	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Kharog, USSR.
	25	17	42	25.6%	16.810	N	61.501	W	10	G			0.7	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	25	18	28	14.5%	40.822	N	28.292	E	10	G			0.3	8	TURKEY
	25	18	37	22.5	40.817	N	28.299	E	10	G			0.5	16	TURKEY
	25	18	53	42.3	7.759	S	158.271	E	55		4.8	4.6	0.9	73	SOLOMON ISLANDS. Felt (II) at Honiara, Guadalconal.
	25	19	51	09.0%	39.463	N	27.256	E	10	G			1.1	6	TURKEY
a	25	20	09	24.7	78.560	N	6.105	E	10	G	4.8	4.4	0.8	102	SVALBARD REGION
	25	20	27	30.6?	7.71	S	131.20	E	169	?			1.3	5	TANIMBAR ISLANDS REGION
	25	20	38	42.2?	20.73	S	178.48	W	596	•	4.6		1.3	12	FIJI ISLANDS REGION
	25	23	25	02.5%	37.694	N	14.985	E	10	G			0.6	6	SICILY
	25	23	32	56.2	9.381	N	83.556	W	10	G			0.4	12	COSTA RICA. MD 3.3 (HDC), 2.9 (SJR). Felt (III) at San Isidro de Perez Zeledan.
	25	23	58	27.5%	46.928	N	6.742	E	10	G			0.0	5	SWITZERLAND. ML 2.2 (LDG).
	26	00	07	56.7•	24.054	N	125.647	E	33	N	4.5		0.5	8	SOUTHWESTERN RYUKYU ISLANDS
	26	00	46	17.9%	40.823	N	28.056	E	10	G			0.8	8	TURKEY
a	26	00	53	44.7	42.371	N	16.603	E	15		5.1	5.4	1.1	303	ADRIATIC SEA. MD 5.4 (TTG), 5.3 (KBA), 5.1 (TRI). Felt (V) at Dubravnik and Split; (IV) at Budva, Bar, Ulcinj and Titograd, Yugoslavia. Felt along the east coast of Italy from Bari to Pescara and at Naples.
	26	01	10	31.3•	42.475	N	16.348	E	10	G			1.4	21	ADRIATIC SEA. ML 3.8 (KBA).
	26	01	26	25.1•	42.422	N	17.329	E	10	G			1.3	7	ADRIATIC SEA
	26	01	31	50.6	42.312	N	16.613	E	10	G			1.0	11	ADRIATIC SEA
	26	01	32	58.2•	13.521	N	125.164	E	33	N	4.7		1.1	16	PHILIPPINE ISLANDS REGION
a	26	01	42	55.6	22.913	N	108.023	W	10	G	5.4	5.1	1.2	111	OFF COAST OF CENTRAL MEXICO
a	26	01	47	35.0&	57.534	N	143.073	W	10	G	5.4	5.6		224	GULF OF ALASKA. <AGS-P>. ML 5.9 (PMR), Ms 5.4 (BRK). Felt strongly in the Yakataga area.
	26	01	55	33.5	42.341	N	16.591	E	10	G			1.2	36	ADRIATIC SEA. ML 3.8 (KBA).
	26	02	05	14.4	42.270	N	16.475	E	10	G			1.3	13	ADRIATIC SEA
	26	02	20	24.5•	42.353	N	16.892	E	10	G			1.4	7	ADRIATIC SEA
	26	02	24	42.1	39.428	N	27.303	E	10	G			0.6	16	TURKEY
	26	02	31	26.8	42.357	N	16.626	E	10	G			0.9	37	ADRIATIC SEA. ML 3.8 (KBA).
	26	02	32	35.6&	58.507	N	141.572	W	10	G				27	OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. ML 4.0 (PMR).
	26	02	34	26.9&	58.502	N	141.578	W	10	G				19	OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>.
	26	02	46	07.8	42.322	N	16.518	E	10	G			0.9	17	ADRIATIC SEA. ML 3.4 (KBA), 2.8 (TTG).
	26	02	49	46.5•	42.462	N	16.121	E	10	G			1.3	7	ADRIATIC SEA. ML 2.9 (KBA).
	26	02	55	25.6•	13.173	N	123.372	E	129	?	4.5		1.0	8	LUZON, PHILIPPINE ISLANDS
	26	03	29	13.1	42.356	N	16.667	E	10	G			1.1	26	ADRIATIC SEA. ML 3.4 (KBA).
	26	03	31	26.3	42.525	N	16.437	E	10	G			0.9	7	ADRIATIC SEA
	26	04	14	32.2?	9.59	S	113.17	E	33	N	4.1		0.7	5	SOUTH OF JAVA
	26	04	14	32.9	42.258	N	16.583	E	10	G			0.8	9	ADRIATIC SEA. ML 2.9 (TTG).
	26	04	48	57.1•	42.290	N	16.556	E	10	G			1.2	8	ADRIATIC SEA. ML 3.1 (KBA).
	26	05	32	37.4•	7.324	S	150.824	E	33	N	3.8		1.4	8	NEW BRITAIN REGION
	26	05	34	32.2&	37.612	N	121.67B	W	6					16	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	26	06	43	05.9	42.210	N	16.578	E	10	G			1.4	17	ADRIATIC SEA. ML 3.3 (KBA), 3.1 (TTG).
	26	07	09	41.6%	39.430	N	27.225	E	10	G			0.7	9	TURKEY
	26	08	01	59.2	9.323	N	84.286	W	10	G			0.5	14	COSTA RICA. MD 3.5 (HDC), 3.5 (SJR). Felt (III) at Quepos and (II) at San Jose.
	26	08	42	02.4•	36.775	N	9.007	W	33	N			0.7	8	WEST OF GIBRALTAR
	26	08	53	27.1?	8.45	S	128.20	E	140	?	3.6		1.2	6	TIMOR SEA
	26	10	05	48.2?	52.32	N	17.62	E	10	G			0.6	7	POLAND. ML 3.0 (KBA).
	26	11	42	02.5	25.584	N	142.687	E	33	N	4.8		1.0	49	VOLCANO ISLANDS REGION
	26	12	09	41.6?	40.83	N	30.41	E	10	G			0.7	5	TURKEY
	26	12	50	49.2	39.111	N	27.068	E	10	G			0.8	13	TURKEY
	26	12	59	39.5•	42.326	N	16.525	E	10	G			0.5	8	ADRIATIC SEA. ML 3.1 (KBA), 3.0 (TTG).
	26	13	17	41.1?	36.16	S	71.55	W	97	?	4.2		0.7	14	CENTRAL CHILE
	26	13	45	14.8•	42.173	N	16.465	E	10	G			1.1	9	ADRIATIC SEA. ML 3.0 (TTG), 3.0 (KBA).
	26	13	57	35.4%	40.842	N	28.019	E	10	G			0.5	7	TURKEY
	26	15	16	26.7%	37.993	N	106.418	E	33	N			1.5	5	NORTHERN CHINA. ML 3.9 (BJI).
	26	15	57	54.0•	51.277	N	15.970	E	10	G			0.8	7	POLAND. ML 2.9 (KBA).
	26	17	03	32.5•	42.303	N	16.663	E	10	G			0.8	8	ADRIATIC SEA. ML 3.3 (KBA).
	26	17	56	46.2•	4.734	S	68.423	E	10	G	4.7		0.2	11	CHAGOS ARCHIPELAGO REGION
	26	18	03	06.5	42.281	N	16.594	E	10	G			0.6	9	ADRIATIC SEA. ML 2.8 (TTG), 2.6 (KBA).
	26	18	13	57.6?	6.39	S	131.32	E	33	N	4.2		1.1	5	TANIMBAR ISLANDS REGION
	26	18	20	16.9•	42.213	N	16.841	E	10	G			0.6	5	ADRIATIC SEA. ML 2.8 (KBA).
	26	18	36	57.7	40.843	N	28.248	E	10	G			0.5	11	TURKEY
	26	19	10	12.5	42.331	N	16.617	E	10	G			1.1	16	ADRIATIC SEA. ML 3.1 (TTG), 3.1 (KBA).
	26	19	17	56.3	42.214	N	16.482	E	16		3.9		1.3	87	ADRIATIC SEA. ML 4.5 (KBA), 4.0 (TRI), 3.8 (ATH). MD 4.3 (TTG).
	26	19	36	43.8•	42.279	N	16.641	E	10	G			0.8	6	ADRIATIC SEA. ML 2.7 (KBA).
	26	20	01	27.3&	62.079	N	124.341	W	10	G				8	NORTHWEST TERRITORIES, CANADA. <PGC>. mbLg 3.9 (PGC).
	26	20	11	13.5	42.359	N	16.561	E	10	G			0.7	10	ADRIATIC SEA. ML 3.1 (KBA), 3.0 (TTG).
	26	20	13	42.6?	42.19	N	16.45	E	10	G			1.4	8	ADRIATIC SEA. ML 3.0 (TTG).
	26	21	07	20.8	7.760	S	158.248	E	61	•	4.6		0.9	17	SOLOMON ISLANDS
	26	21	21	05.8•	42.400	N	16.626	E	10	G			1.3	6	ADRIATIC SEA. ML 3.0 (KBA).
	26	21	40	58.5	40.357	N	1.241	W	10	G			1.0	10	SPAIN. MG 3.0 (MDD).
	26	22	11	40.2	51.547	N	175.002	E	33	N	4.7		0.9	62	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PMR).
	26	22	59	20.6•	42.316	N	16.645	E	10	G			0.7	6	ADRIATIC SEA. ML 3.0 (KBA).
	27	00	15	11.6?	6.87	S	148.65	E	68	•	4.0		0.8	6	NEW BRITAIN REGION
	27	00	38	18.6?	31.26	N	35.08	E	10	G			0.3	7	DEAD SEA REGION
	27	00	52	04.1	55.564	N	4.746	E	10	G			1.2	25	NORTH SEA

	27	01	26	21.2•	30.813	N	50.154	E	39	•	4.4	0.9	28	IRAN
	27	03	01	08.2•	36.737	N	29.144	E	10	G		1.1	6	TURKEY
	27	04	01	42.9	35.376	N	27.967	E	87	•	3.8	1.4	27	DODECANESE ISLANDS
	27	04	16	38.7&	59.825	N	153.151	W	112		4.5		43	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Homer and (II) at Seward.
	27	04	26	34.9	37.097	N	71.805	E	33	N	4.6	1.0	13	AFGHANISTAN-USSR BORDER REGION
	27	05	06	05.3•	1.544	N	125.466	E	108	•	4.8	1.2	18	MOLUCCA PASSAGE
	27	05	43	46.8%	37.354	N	106.651	E	33	N		1.8	5	NORTHERN CHINA. ML 3.6 (BJI).
	27	06	10	19.2•	42.449	N	15.826	E	10	G		0.8	5	ADRIATIC SEA
	27	06	31	04.6	42.283	N	16.640	E	10	G		1.0	23	ADRIATIC SEA. ML 3.1 (TTG), 3.1 (KBA).
	27	06	34	27.4?	8.32	S	123.90	E	33	N		1.4	6	FLORES ISLAND REGION
	27	06	45	00.4?	19.00	N	145.07	E	229	?	4.1	1.0	10	MARIANA ISLANDS
	27	06	49	59.0&	57.628	N	143.081	W	10	G			19	GULF OF ALASKA. <AGS-P>.
	27	06	59	32.7•	13.548	N	124.786	E	33	N	4.2	1.1	11	LUZON, PHILIPPINE ISLANDS
	27	07	00	05.9•	13.696	N	124.921	E	33	N	4.7 4.2	1.4	31	LUZON, PHILIPPINE ISLANDS
	27	07	10	34.1•	40.141	N	20.242	E	10	G		1.3	5	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	27	08	05	27.2•	3.811	N	126.732	E	48	?	4.8 3.6	1.5	38	TALAUD ISLANDS
	27	11	04	02.4	43.335	N	12.620	E	10	G		1.1	11	CENTRAL ITALY. ML 2.9 (KBA).
	27	11	06	03.9	40.418	N	21.267	E	10	G	3.3	0.7	13	GREECE. MD 3.8 (ATH).
	27	11	16	32.9%	43.332	N	12.569	E	10	G		1.2	6	CENTRAL ITALY
	27	12	19	26.7	40.813	N	15.456	E	10	G		1.0	7	SOUTHERN ITALY
	27	14	05	01.2•	7.246	S	130.607	E	150	•	4.9	1.4	10	TANIMBAR ISLANDS REGION
	27	14	28	08.0&	59.583	N	151.994	W	45				28	KENAI PENINSULA, ALASKA. <AGS-P>.
	27	14	57	36.1&	57.592	N	143.055	W	10	G			29	GULF OF ALASKA. <AGS-P>.
	27	14	59	14.7%	41.106	N	28.883	E	10	G		0.6	7	TURKEY
	27	15	21	16.8%	38.309	N	4.484	W	10	G		1.4	7	SPAIN. MG 2.7 (MDD).
	27	16	28	49.5	42.346	N	16.685	E	10	G		1.3	22	ADRIATIC SEA. ML 3.2 (TTG), 3.2 (KBA).
	27	17	34	58.9•	7.514	N	94.148	E	74	?	4.1	1.1	9	NICOBAR ISLANDS REGION
	27	17	58	11.6	42.367	N	16.609	E	11			1.1	42	ADRIATIC SEA. ML 4.1 (TRI), 3.7 (KBA). MD 3.7 (TTG).
	27	18	36	36.5%	33.785	S	71.041	W	33	N		0.6	9	NEAR COAST OF CENTRAL CHILE
	27	19	12	31.9•	18.502	S	63.479	W	20	D	4.8	1.4	57	BOLIVIA
	27	20	08	08.2•	37.699	N	29.068	E	10	G		0.8	5	TURKEY
	27	20	09	16.1%	16.137	N	61.155	W	10	G		0.6	6	LEEWARD ISLANDS. ML 1.9 (FDF).
	27	20	27	16.9	35.879	N	136.353	E	18		3.9	1.0	20	SOUTHERN HONSHU, JAPAN. Felt (III JMA) at Fukui and (II JMA) at Tsuruga. Also felt at Kanazawa.
	27	21	21	47.7•	25.197	S	179.639	E	495	•	5.0	1.0	44	SOUTH OF FIJI ISLANDS
	27	22	01	26.1%	15.670	N	60.950	W	10	G		0.5	5	LEEWARD ISLANDS. ML 1.6 (FDF).
	27	22	15	24.3•	42.214	N	16.476	E	10	G		1.2	14	ADRIATIC SEA. MD 3.4 (TTG). ML 3.0 (KBA).
	27	22	15	57.9	29.713	N	130.011	E	33	N	3.7	1.2	9	RYUKYU ISLANDS
	27	22	44	41.5	42.350	N	16.556	E	10	G		0.7	10	ADRIATIC SEA. ML 3.0 (TTG), 3.1 (KBA).
	27	23	41	19.6?	30.19	N	114.07	W	10	G	3.7	1.7	11	GULF OF CALIFORNIA
	27	23	52	43.3	33.723	S	70.827	W	33	N		0.8	9	CHILE-ARGENTINA BORDER REGION
	28	00	50	47.1&	57.025	N	143.445	W	10	G	4.3		56	GULF OF ALASKA. <AGS-P>. ML 4.0 (PMR).
	28	02	03	32.7&	57.920	N	154.054	W	95				24	KODIAK ISLAND REGION. <AGS-P>.
	28	03	36	25.5&	57.077	N	143.126	W	10	G	3.7		30	GULF OF ALASKA. <AGS-P>.
	28	04	24	19.0?	0.69	N	30.05	W	10	G	4.2	1.5	6	CENTRAL MID-ATLANTIC RIDGE
	28	06	01	25.5%	43.039	N	17.848	E	10	G		1.0	8	YUGOSLAVIA. ML 2.4 (TTG).
	28	06	16	07.8&	35.590	N	116.290	W	6	G			18	CENTRAL CALIFORNIA, <PAS-P>. ML 3.4 (PAS).
	28	06	45	02.2	42.648	N	16.961	E	10	G		0.5	9	ADRIATIC SEA. MD 3.3 (KBA). ML 2.9 (TTG).
	28	08	17	44.2	38.780	N	122.681	W	5	G		0.7	9	NORTHERN CALIFORNIA. ML 2.7 (BRK).
	28	08	41	16.7?	34.54	S	71.58	W	24	•		0.6	7	NEAR COAST OF CENTRAL CHILE
	28	09	41	15.0•	9.079	N	40.541	W	10	G	4.5 3.8	0.9	12	CENTRAL MID-ATLANTIC RIDGE
	28	10	15	06.1•	39.145	N	27.587	E	10	G		0.8	5	TURKEY
	28	10	18	50.4	78.454	N	6.378	E	10	G	4.6	0.7	59	SVALBARD REGION
	28	11	22	27.4%	40.643	N	29.433	E	10	G		0.6	6	TURKEY
	28	13	59	33.0•	20.624	S	68.539	W	127	•		0.8	10	CHILE-BOLIVIA BORDER REGION
	28	15	59	00.2	42.391	N	16.691	E	10	G		1.0	22	ADRIATIC SEA. ML 3.0 (TTG), 3.2 (KBA).
	28	16	21	00.9•	30.977	S	71.596	W	18	•		1.4	10	NEAR COAST OF CENTRAL CHILE
	28	17	29	06.0	24.056	N	121.534	E	26		4.5	1.1	15	TAIWAN
	28	18	57	42.6?	31.33	N	35.04	E	10	G		0.4	7	DEAD SEA REGION
	28	19	37	16.3%	16.075	N	61.302	W	10	G		0.9	7	LEEWARD ISLANDS. ML 1.7 (FDF).
	28	20	08	37.6•	17.560	S	167.640	E	10	G	4.5 4.2	1.1	13	VANUATU ISLANDS
	28	21	22	26.1	48.929	N	18.332	E	10	G	4.3	1.0	19	CZECHOSLOVAKIA. ML 4.1 (GRF), 3.5 (VKA). Felt at Trencin and Teplice.
	28	22	01	37.0•	3.666	N	82.902	W	10	G	4.6	1.1	12	SOUTH OF PANAMA
	28	22	15	43.1	10.307	N	60.476	W	55	•	4.6	0.7	48	TRINIDAD. Felt (IV) on Trinidad.
a	28	22	41	08.8	18.029	S	178.457	W	629	D	5.3	0.9	174	FIJI ISLANDS REGION
	28	22	43	12.3•	44.581	N	9.653	E	10	G		1.3	8	NORTHERN ITALY. ML 2.6 (LDG).
	28	23	08	26.3	42.434	N	16.732	E	10	G		1.0	21	ADRIATIC SEA. ML 3.2 (TTG), 3.2 (KBA).
	28	23	51	48.4	40.815	N	28.294	E	10	G		0.4	8	TURKEY
	29	01	31	48.7•	45.791	N	15.356	E	10	G		1.6	5	YUGOSLAVIA. ML 2.6 (TRI), 2.3 (KBA).
	29	03	41	56.2	43.413	N	19.933	E	10	G		1.2	11	YUGOSLAVIA. ML 2.5 (TTG).
	29	03	43	34.0%	15.904	N	60.359	W	20	•		0.4	11	LEEWARD ISLANDS. ML 2.9 (FDF).
	29	04	37	47.0	51.413	N	15.858	E	10	G		0.7	15	POLAND. ML 3.8 (VKA), 3.7 (GRF), 3.4 (KBA).
	29	05	03	49.5&	57.186	N	142.896	W	10	G			28	GULF OF ALASKA. <AGS-P>.
	29	05	05	58.9?	10.47	S	161.06	E	66	?	4.2	0.7	6	SOLOMON ISLANDS
	29	05	16	29.3	40.440	S	173.842	E	134		4.9	1.3	27	COOK STRAIT, NEW ZEALAND. Felt in central New Zealand.
	29	05	29	14.8&	34.030	N	116.760	W	11				20	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (IV) at Fawnskin and Maranga Valley, (III) at Big Bear City and Yucca Valley. Also felt in the Palm Springs area.
	29	05	42	16.3?	18.20	S	69.61	W	176	?		0.0	5	NORTHERN CHILE
	29	06	32	09.3&	62.283	N	124.286	W	10	G			10	NORTHWEST TERRITORIES, CANADA. <PGC>. mbLg 3.3 (PGC).
	29	07	15	36.4	33.406	S	71.125	W	33	N		0.3	8	NEAR COAST OF CENTRAL CHILE
	29	07	36	27.7?	33.56	S	178.93	W	81	?	5.2	1.3	19	SOUTH OF KERMADEC ISLANDS
	29	07	53	58.2&	19.758	N	155.997	W	26				50	HAWAII. <HVO-P>. ML 4.1 (HVO). Felt.
	29	09	44	38.4%	18.423	N	66.982	W	33	N		0.7	6	PUERTO RICO REGION
	29	09	47	15.3•	15.057	S	166.798	E	50	?	3.8	0.8	13	VANUATU ISLANDS
	29	10	05	14.2?	32.60	S	71.95	W	10	G		0.4	7	NEAR COAST OF CENTRAL CHILE
	29	10	37	51.6	37.972	N	12.826	E	21	•		1.1	13	SICILY. MD 2.9 (ROM). Felt strongly in the Alcamo area.
	29	10	47	26.2%	39.644	N	29.390	E	10	G		0.7	6	TURKEY
	29	11	31	05.6?	39.90	N	29.25	E	10	G		0.6	5	TURKEY
	29	12	33	41.9?	13.89	S	165.90	E	33	N	4.1	1.3	11	VANUATU ISLANDS
	29	13	00	20.8%	41.184	N	28.958	E	10	G		0.4	7	TURKEY

	29	13	22	15.7	13.841	N	124.772	E	33	N	4.6	0.9	15	LUZON, PHILIPPINE ISLANDS
	29	13	36	35.3•	42.840	N	23.770	E	10	G		0.5	5	BULGARIA
	29	15	00	22.8%	39.664	N	28.799	E	10	G		1.1	9	TURKEY
	29	15	19	40.9&	59.915	N	152.869	W	101				28	SOUTHERN ALASKA. <AGS-P>.
	29	16	54	21.4	19.997	S	134.083	E	5	G	4.4	1.3	21	NORTHERN TERRITORY, AUSTRALIA
a	29	17	26	47.0	3.877	S	103.788	W	21	D	5.3 5.1	1.1	68	NORTHERN EASTER I. CORDILLERA. Ms 5.6 (BRK).
	29	17	36	08.7	43.114	N	19.341	E	10	G		1.2	10	YUGOSLAVIA. MD 2.6 (TTG).
	29	17	51	19.6•	39.486	N	26.551	E	10	G		1.4	10	TURKEY
	29	18	00	00.0&	40.754	N	119.117	W	0				2	NEVADA. <EXPLO>. Explosion "BLACK ROCK DESERT," conducted by National Research Defense Council.
	29	19	39	33.9•	25.094	S	71.233	W	33	N		0.9	6	OFF COAST OF NORTHERN CHILE
	29	20	59	05.4	63.224	N	150.288	W	162	?		1.3	11	CENTRAL ALASKA
	29	20	59	11.0	40.829	N	28.277	E	10	G		0.6	12	TURKEY
	29	21	19	30.5?	15.89	N	145.18	E	33	N	4.3	1.1	9	MARIANA ISLANDS
	29	21	29	19.9•	27.355	S	71.677	W	87	•		0.6	9	NEAR COAST OF NORTHERN CHILE
	29	21	42	56.6•	49.200	N	6.935	E	10	G		1.4	9	GERMANY
	29	22	37	55.5	37.970	N	21.078	E	7		3.7 3.3	0.9	11	SOUTHERN GREECE. ML 3.4 (ATH).
	29	22	51	42.0&	57.994	N	142.905	W	10	G	3.9		36	GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR).
	30	01	01	55.7	39.147	N	29.689	E	10	G		0.9	16	TURKEY
	30	01	27	15.3?	20.21	S	172.77	W	33	N	4.9	1.2	8	TONGA ISLANDS REGION
	30	01	30	00.0&	36.372	N	116.373	W	0				14	CALIFORNIA-NEVADA BORDER REGION. <EXPLO>. Explosion conducted by National Research Defense Council.
	30	01	43	26.1•	13.834	N	124.873	E	10	G	4.6	1.5	12	LUZON, PHILIPPINE ISLANDS
	30	02	17	28.0•	20.974	S	178.637	W	593	•	4.8	1.2	27	FIJI ISLANDS REGION
	30	02	39	47.6%	45.777	N	1.217	W	10	G		1.3	6	FRANCE. ML 2.8 (LDG).
	30	03	01	50.1&	61.654	N	150.012	W	39				32	SOUTHERN ALASKA. <AGS-P>. ML 3.3 (PMR).
	30	03	27	50.5•	25.913	N	91.574	E	33	N	4.2	0.3	5	INDIA-BANGLADESH BORDER REGION
	30	03	39	33.7	34.637	N	5.536	W	10	G	3.9	1.0	15	MOROCCO
	30	04	28	24.6	38.395	N	20.336	E	10	G	3.7	1.2	18	GREECE. ML 3.6 (ATH).
	30	06	15	57.3	41.674	N	12.573	E	16			0.6	13	SOUTHERN ITALY
a	30	06	50	10.6	17.053	S	167.453	E	47	•	5.2 4.6	1.1	42	VANUATU ISLANDS
	30	07	55	33.9•	42.372	N	16.744	E	10	G		0.7	5	ADRIATIC SEA
	30	08	17	49.2?	18.48	S	168.16	E	33	N	4.7 3.9	1.5	9	VANUATU ISLANDS
	30	09	20	27.4•	41.356	N	20.203	E	10	G		1.0	8	ALBANIA. ML 3.4 (SKO), 2.7 (TTG).
	30	11	52	12.9	35.937	N	114.848	W	5	G		0.7	10	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (NEIS). Felt at Boulder City and Las Vegas, Nevada.
	30	12	01	56.7&	57.753	N	142.924	W	10	G	4.0		39	GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR).
	30	12	34	40.6%	39.663	N	29.424	E	10	G		1.1	5	TURKEY
	30	13	25	04.0	51.568	N	16.046	E	10	G		0.6	25	POLAND. ML 4.3 (GRF), 4.1 (VKA), 3.9 (KBA).
	30	13	31	54.5%	40.514	N	26.616	E	10	G		0.9	5	TURKEY
	30	14	07	23.2?	24.32	S	177.06	W	294	?	4.3	0.7	13	SOUTH OF FIJI ISLANDS
	30	15	53	50.1&	32.620	N	116.970	W	5				6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	30	16	25	05.4?	4.79	N	35.40	E	10	G	4.2	1.5	6	KENYA
	30	17	58	36.5•	50.019	S	115.559	E	10	G	5.0	0.9	18	SOUTH OF AUSTRALIA
	30	18	24	12.0•	21.578	S	68.745	W	94	•		0.2	6	CHILE-BOLIVIA BORDER REGION
	30	19	00	00.0&	39.064	N	117.981	W	0				22	NEVADA. <EXPLO>. Explosion "BROKEN HILLS," conducted by National Research Defense Council.
	30	19	48	02.1•	17.376	S	178.887	W	526	•	4.4	0.8	25	FIJI ISLANDS REGION
	30	21	30	26.0&	36.687	N	121.358	W	3				11	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	30	21	37	39.6•	10.495	N	61.961	W	59	•	4.2	0.9	14	TRINIDAD. Felt (V) at San Fernando.
	30	22	22	31.9?	37.72	N	25.58	W	10	G		0.2	5	AZORES ISLANDS
	30	22	40	14.7	0.329	S	124.490	E	78	?	4.4	1.2	26	MOLUCCA SEA
	30	23	00	03.4	0.354	S	124.465	E	90	•	4.9	1.3	53	MOLUCCA SEA
	30	23	51	09.0&	40.433	N	124.412	W	18				10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.7 (BRK). Mo=3.2•10••14 Nm (BRK).

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 14 26 40.64 18.782S 177.853W 573km
5.7mb (42 abs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=285 Dip=70 Slip= -42
NP2: 32 51 -154
Principal Axes:
T Plg=12 Azm=343
P 43 241
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: 4 Focal mech. f
Energy 1.0±0.6•10••12 Nm
MOMENT TENSOR SOLUTION
Dep 567 No. of sta: 5
Principal Axes:
Scale 10••17 Nm
T Val= 4.56 Plg=10 Azm=349
N 0.01 52 93
P -4.57 36 252
Best Double Couple:Mo=4.6•10••17
NP1:Strike= 37 Dip=57 Slip=-160
NP2: 296 73 -34
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 14:26:51.9 0.8
Lat 18.19S 0.06 Lon 178.37W 0.05
Dep 591.1 2.1 Half-duration 2.5
Principal Axes:
Scale 10••17 Nm
T Val= 2.62 Plg= 1 Azm=335
N 1.31 40 66
P -3.93 50 244
Best Double Couple:Mo=3.3•10••17
NP1:Strike= 32 Dip=56 Slip=-140
NP2: 277 58 -41

02 05 14 17.87 31.037S 179.767W 333km
5.0mb (20 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 05:14:26.3 0.7
Lat 31.08S 0.07 Lon 179.99W 0.08
Dep 341.5 3.0 Half-duration 1.9
Principal Axes:
Scale 10••17 Nm
T Val= 1.40 Plg=11 Azm=281
N 0.00 31 185
P -1.41 57 28
Best Double Couple:Mo=1.4•10••17
NP1:Strike= 44 Dip=44 Slip= -42
NP2: 167 63 -126

02 14 26 29.04 15.447S 173.081W 33km
5.7mb (38 obs.) 6.1Msz (26 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 28C
Centroid Location:
Origin Time 14:26:39.8 0.5
Lat 15.08S 0.06 Lon 172.96W 0.02
Dep 15.0 BDY Half-duration 4.3
Principal Axes:
Scale 10••18 Nm
T Val= 2.66 Plg=62 Azm=276
N 0.21 7 173
P -2.87 27 80
Best Double Couple:Mo=2.8•10••18
NP1:Strike=154 Dip=19 Slip= 70
NP2: 355 72 97

02 19 45 03.84 5.777S 80.927W 33km
5.2mb (10 obs.)
NEAR COAST OF NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 19:45: 9.4 0.6
Lat 5.55S 0.06 Lon 80.92W 0.10
Dep 33.6 5.5 Half-duration 1.8
Principal Axes:
Scale 10••17 Nm
T Val= 1.24 Plg=62 Azm= 77
N 0.10 2 171
P -1.35 28 262
Best Double Couple:Mo=1.3•10••17
NP1:Strike=358 Dip=17 Slip= 97
NP2: 171 73 88

03 14 27 09.04 4.687N 94.419E 30km

5.9mb (75 obs.) 5.7Msz (16 obs.)
OFF W COAST OF NORTHERN SUMATERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=312 Dip=58 Slip= 90
NP2: 132 32 90
Principal Axes:
T Plg=77 Azm=222
P 13 42
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 4.8±1.8*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 15
Principal Axes:
Scale 10**17 Nm
T Val= 6.80 Plg=73 Azm=266
N 0.06 16 112
P -6.85 7 20
Best Double Couple:Mo=6.8*10**17
NP1:Strike= 93 Dip=40 Slip= 65
NP2: 304 54 109
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 14:27:12.2 0.6
Lat 4.72N 0.04 Lon 94.38E 0.04
Dep 35.9 2.7 Half-duration 3.3
Principal Axes:
Scale 10**17 Nm
T Val= 6.41 Plg=63 Azm=143
N 1.80 22 287
P -8.22 14 23
Best Double Couple:Mo=7.3*10**17
NP1:Strike=141 Dip=36 Slip= 130
NP2: 275 63 65

03 17 34 59.57 32.872S 112.108W 10km
4.9mb (10 obs.)
EASTER ISLAND CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 17:35: 7.4 0.4
Lat 32.89S 0.04 Lon 112.07W 0.05
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.59 Plg= 9 Azm=103
N -0.06 69 349
P -1.53 18 196
Best Double Couple:Mo=1.6*10**17
NP1:Strike=238 Dip=71 Slip= -7
NP2: 331 83 -161

04 15 43 04.03 30.399N 131.084E 39km
5.2mb (49 obs.) 6.0Msz (12 obs.)
KYUSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 19C
Centroid Location:
Origin Time 15:43: 7.4 0.4
Lat 30.21N 0.06 Lon 130.83E 0.08
Dep 42.2 4.1 Half-duration 3.6
Principal Axes:
Scale 10**17 Nm
T Val= 10.05 Plg=52 Azm=344
N -0.93 23 220
P -9.12 28 117
Best Double Couple:Mo=9.6*10**17
NP1:Strike=163 Dip=27 Slip= 30
NP2: 46 77 114

04 16 12 25.29 9.364S 112.874E 61km
5.5mb (25 obs.)
SOUTH OF JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 16:12:38.6 1.4
Lat 9.11S 0.09 Lon 113.59E 0.06
Dep 58.7 3.5 Half-duration 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 6.22 Plg=21 Azm=279
N 2.02 69 91
P -8.24 3 188
Best Double Couple:Mo=7.2*10**17
NP1:Strike=321 Dip=73 Slip= 167
NP2: 55 77 17

05 15 36 56.86 13.295N 120.393E 30km
5.4mb (41 obs.) 5.5Msz (8 obs.)
MINDORO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 14C
Centroid Location:
Origin Time 15:36:46.2 1.2
Lat 12.36N 0.09 Lon 120.48E 0.19
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 4.81 Plg=58 Azm= 92
N 1.07 10 347
P -5.88 31 251
Best Double Couple:Mo=5.4*10**17
NP1:Strike=312 Dip=17 Slip= 55
NP2: 169 76 100

06 16 30 01.84 6.587S 131.405E 41km
5.4mb (31 obs.) 4.5Msz (6 obs.)
TANIMBAR ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 26C
Centroid Location:
Origin Time 16:30: 6.3 0.4
Lat 6.43S 0.03 Lon 131.28E 0.05
Dep 45.6 3.9 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.75 Plg=33 Azm=304
N -0.27 55 104
P -1.48 9 208
Best Double Couple:Mo=1.6*10**17
NP1:Strike=341 Dip=60 Slip= 162
NP2: 80 74 31

06 19 52 32.53 7.301S 128.562E 146km
5.3mb (23 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 19:52:26.6 1.8
Lat 8.28S 0.16 Lon 128.39E 0.14
Dep 164.5 2.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.79 Plg=71 Azm=352
N -1.25 17 202
P -6.54 9 109
Best Double Couple:Mo=7.2*10**16
NP1:Strike=180 Dip=39 Slip= 63
NP2: 33 56 110

07 03 05 07.23 23.992N 121.647E 17km
5.3mb (51 obs.) 4.5Msz (2 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 19C
Centroid Location:
Origin Time 03:05: 8.2 0.4
Lat 23.60N 0.09 Lon 121.21E 0.10
Dep 18.9 3.4 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.09 Plg=70 Azm=325
N 0.46 7 216
P -3.56 19 124
Best Double Couple:Mo=3.3*10**17
NP1:Strike=203 Dip=27 Slip= 75
NP2: 39 64 97

07 18 14 54.98 55.759S 15.768W 10km
5.3mb (8 obs.)
SOUTHWESTERN ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 31C
Centroid Location:
Origin Time 18:15: 0.1 0.2
Lat 55.92S 0.03 Lon 16.14W 0.05
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 4.74 Plg=11 Azm=189
N 0.69 71 312
P -5.42 16 96
Best Double Couple:Mo=5.1*10**17
NP1:Strike=234 Dip=71 Slip=-176
NP2: 142 87 -19

08 04 42 30.77 13.385N 120.386E 32km
5.6mb (63 obs.) 5.6Msz (11 obs.)
MINDORO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location:
Origin Time 04:42:29.9 0.6
Lat 13.71N 0.08 Lon 120.86E 0.14
Dep 24.9 4.4 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 3.07 Plg=31 Azm= 84
N 0.37 11 347
P -3.43 57 240
Best Double Couple:Mo=3.3*10**17
NP1:Strike=206 Dip=17 Slip= -50
NP2: 345 77 -101

08 11 20 51.40 8.823S 117.498E 107km
5.8mb (51 obs.)
SUMBAWA ISLAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 5 Dip=50 Slip= 90
NP2: 185 40 90
Principal Axes:
T Plg=85 Azm=275
P 5 95
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 1.0±0.3*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 11:21: 3.7 0.9
Lat 8.08S 0.07 Lon 117.68E 0.08
Dep 118.0 2.7 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 3.87 Plg=62 Azm=320
N 1.68 25 171
P -5.55 13 75
Best Double Couple:Mo=4.7*10**17
NP1:Strike=136 Dip=39 Slip= 48
NP2: 5 62 118

08 23 13 24.14 3.409S 145.697E 32km
5.6mb (27 obs.) 6.4Msz (16 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 8 Dip=85 Slip=-180
NP2: 98 90 -355
Principal Axes:
T Plg= 4 Azm=323
P 4 233
Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting with a small normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 2.4±0.5*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 14 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 3.02 Plg=12 Azm=331
N 1.08 74 106
P -4.11 11 239
Best Double Couple:Mo=3.6*10**18
NP1:Strike= 15 Dip=74 Slip= 180
NP2: 105 90 16
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 44C M.W.: 11S, 31C
Centroid Location:
Origin Time 23:13:26.4 0.2

Lat 3.31S 0.02 Lon 145.94E 0.02
Dep 15.0 BDY Half-duration 6.3
Principal Axes:
Scale 10**18 Nm
T Val= 4.72 Plg=11 Azm=135
N 0.46 74 4
P -5.18 12 228
Best Double Couple:Mo=4.9*10**18
NP1:Strike=271 Dip=74 Slip= -1
NP2: 1 89 -164

09 04 04 23.11 10.917S 166.829E 34km
5.5mb (20 obs.) 5.5Msz (10 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 04:04:23.0 0.4
Lat 10.95S 0.05 Lon 167.08E 0.05
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.05 Plg= 9 Azm=246
N 0.28 18 153
P -3.33 70 2
Best Double Couple:Mo=3.2*10**17
NP1:Strike=357 Dip=39 Slip= -61
NP2: 141 56 -112

09 04 22 30.64 10.803S 166.732E 33km
5.3mb (16 obs.) 5.5Msz (3 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 04:22:32.0 3.2
Lat 10.74S 0.21 Lon 166.74E 0.36
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.77 Plg=10 Azm=251
N -0.37 7 342
P -1.39 78 106
Best Double Couple:Mo=1.6*10**17
NP1:Strike=332 Dip=35 Slip=-102
NP2: 167 55 -82

11 06 30 30.58 17.874S 172.339W 37km
5.3mb (28 obs.) 4.8Msz (4 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 06:30:31.0 1.5
Lat 18.45S 0.12 Lon 172.08W 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.54 Plg=15 Azm=303
N -0.15 13 36
P -8.38 70 168
Best Double Couple:Mo=8.5*10**16
NP1:Strike= 15 Dip=33 Slip=-116
NP2: 224 61 -75

11 22 36 25.01 21.460S 179.336W 619km
5.6mb (39 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 22:36:34.3 1.2
Lat 21.36S 0.09 Lon 179.95W 0.11
Dep 621.4 5.6 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.76 Plg=29 Azm= 65
N -0.11 19 166
P -1.65 54 283
Best Double Couple:Mo=1.7*10**17
NP1:Strike=113 Dip=23 Slip=-145
NP2: 350 77 -71

12 05 03 45.08 39.200S 178.424E 21km
5.6mb (6 obs.) 4.7Msz (3 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 05:03:48.6 0.4
Lat 38.85S 0.05 Lon 178.85E 0.08
Dep 15.5 3.6 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.07 Plg=12 Azm=296
N -0.53 34 198
P -1.54 54 43
Best Double Couple:Mo=1.8*10**17
NP1:Strike= 61 Dip=44 Slip= -37
NP2: 180 65 -128

12 15 26 19.77 2.787S 77.649W 27km
5.5mb (51 obs.)
PERU-ECUADOR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 15:26:17.4 1.3
Lat 3.10S 0.12 Lon 76.84W 0.15
Dep 43.3 7.3 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.46 Plg=66 Azm=162
N 0.65 21 15
P -8.10 12 281
Best Double Couple:Mo=7.8*10**16
NP1:Strike=346 Dip=37 Slip= 54
NP2: 208 60 114

12 19 41 42.77 10.689N 62.858W 97km
5.5mb (75 obs.)
NEAR COAST OF VENEZUELA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centroid Location:
Origin Time 19:41:43.5 0.9
Lat 10.35N 0.07 Lon 63.00W 0.18
Dep 53.9 8.9 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.83 Plg=57 Azm= 50
N -1.65 31 209
P -6.17 10 305
Best Double Couple:Mo=7.0*10**16
NP1:Strike= 66 Dip=45 Slip= 137
NP2: 190 62 54

12 20 13 43.32 33.838S 56.214E 10km
5.5mb (7 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 20:13:47.3 3.4
Lat 33.77S 0.27 Lon 56.06E 0.15
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.21 Plg= 0 Azm=185
N -0.76 0 95
P -3.45 90 180
Best Double Couple:Mo=3.8*10**16
NP1:Strike=275 Dip=45 Slip= -90
NP2: 95 45 -90

12 20 26 19.34 33.803S 56.334E 10km
5.3mb (17 obs.) 5.4Msz (7 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C
Centroid Location:
Origin Time 20:26:21.6 0.5
Lat 33.90S 0.04 Lon 56.20E 0.05
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 3.35 Plg= 0 Azm=180
N 0.04 0 90
P -3.39 90 180
Best Double Couple:Mo=3.4*10**17
NP1:Strike=270 Dip=45 Slip= -90
NP2: 90 45 -90

12 23 19 55.57 17.192S 72.305W 33km
6.1mb (61 obs.) 7.0Msz (28 obs.)
NEAR COAST OF PERU
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=160 Dip=79 Slip= 90
NP2: 340 11 90
Principal Axes:
T Plg=56 Azm= 70
P 34 250
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 18 No. of sta: 9
Principal Axes:
Scale 10**19 Nm
T Val= 2.93 Plg=48 Azm= 57
N -0.16 0 147
P -2.78 42 237
Best Double Couple:Mo=2.9*10**19
NP1:Strike=333 Dip= 3 Slip= 97
NP2: 147 87 90
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 39C M.W.: 8S, 23C
Centroid Location:
Origin Time 23:20: 6.5 0.1
Lat 17.55S 0.01 Lon 72.83W 0.02
Dep 15.0 FIX Half-duration 11.4
Principal Axes:
Scale 10**19 Nm
T Val= 4.78 Plg=56 Azm= 56
N 0.06 1 325
P -4.85 34 235
Best Double Couple:Mo=4.8*10**19
NP1:Strike=322 Dip=11 Slip= 87
NP2: 145 79 91

13 00 39 31.17 17.256S 72.518W 16km
5.9mb (57 obs.) 6.2Msz (4 obs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 00:39:42.0 0.6
Lat 17.66S 0.07 Lon 73.21W 0.10
Dep 41.5 6.0 Half-duration 4.8
Principal Axes:
Scale 10**18 Nm
T Val= 2.53 Plg=65 Azm=125
N -0.73 24 323
P -1.79 7 230
Best Double Couple:Mo=2.2*10**18
NP1:Strike=295 Dip=44 Slip= 54
NP2: 160 56 119

13 06 22 31.53 17.489S 72.505W 37km
5.2mb (14 obs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 06:22:32.4 1.1
Lat 17.51S FIX;Lon 72.49W FIX
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 1.83 Plg=52 Azm= 32
N -0.09 0 301
P -1.74 38 211
Best Double Couple:Mo=1.8*10**17
NP1:Strike=299 Dip= 7 Slip= 88
NP2: 121 83 90

13 07 57 17.46 1.029N 127.108E 152km
5.5mb (48 obs.)
HALMAHERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=235 Dip=80 Slip= 150
NP2: 331 61 12
Principal Axes:
T Plg=28 Azm=189
P 13 286
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 5.2±2.2*10**12 Nm

MOMENT TENSOR SOLUTION
Dep 150 No. of sta: 7
Principal Axes:
Scale 10**17 Nm
T Val= 5.34 Plg=28 Azm=185
N -0.34 44 64
P -4.99 33 295
Best Double Couple:Mo=5.2*10**17
NP1:Strike=328 Dip=44 Slip= -4
NP2: 61 87 -134
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Location:
Origin Time 07:57:21.7 0.4
Lat 1.06N 0.04 Lon 127.13E 0.06
Dep 149.6 1.7 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.69 Plg=44 Azm=164
N 0.12 29 42
P -4.80 33 292
Best Double Couple:Mo=4.7*10**17
NP1:Strike=327 Dip=29 Slip= 13
NP2: 226 84 119

13 10 48 08.49 9.011S 157.311E 24km
5.7mb (30 obs.) 5.1Msz (2 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 10:48:14.0 0.9
Lat 8.92S 0.11 Lon 157.01E 0.13
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.20 Plg=66 Azm= 93
N 0.84 19 313
P -2.03 14 218
Best Double Couple:Mo=1.6*10**17
NP1:Strike=284 Dip=35 Slip= 56
NP2: 143 61 111

13 23 01 48.45 19.957S 177.657W 374km
5.3mb (42 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 14C
Centroid Location:
Origin Time 23:01:54.3 1.1
Lat 20.06S 0.11 Lon 177.81W 0.12
Dep 384.7 4.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.24 Plg=51 Azm=205
N 0.11 3 299
P -9.35 39 32
Best Double Couple:Mo=9.3*10**16
NP1:Strike=149 Dip= 7 Slip= 120
NP2: 299 84 87

14 02 20 02.02 1.742N 126.676E 78km
5.5mb (24 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 02:20: 5.9 0.3
Lat 1.49N 0.04 Lon 126.17E 0.05
Dep 41.3 3.3 Half-duration 2.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.39 Plg=27 Azm=162
N 1.12 23 265
P -4.51 53 29
Best Double Couple:Mo=3.9*10**17
NP1:Strike=210 Dip=27 Slip=-148
NP2: 91 76 -67

16 01 53 22.42 16.079N 145.893E 128km
5.4mb (44 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 01:53:23.0 0.7
Lat 15.99N 0.05 Lon 146.11E 0.08
Dep 115.6 3.2 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 11.78 Plg=19 Azm=175
N -2.99 5 83
P -8.78 70 340
Best Double Couple:Mo=1.0*10**17
NP1:Strike=273 Dip=26 Slip= -79
NP2: 81 64 -95

16 21 17 10.01 10.242S 27.697E 10km
5.4mb (46 obs.) 4.7Msz (1 obs.)
ZAIRE REPUBLIC
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 21:17:13.9 0.9
Lat 10.17S 0.14 Lon 27.43E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.32 Plg=21 Azm=302
N 0.05 13 37
P -5.37 65 156
Best Double Couple:Mo=5.4*10**16
NP1:Strike= 10 Dip=26 Slip=-120
NP2: 223 68 -76

17 02 50 37.74 17.420S 72.387W 33km
5.4mb (52 obs.) 5.3Msz (4 obs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 02:50:41.0 0.3
Lat 17.80S 0.06 Lon 72.95W 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.36 Plg=67 Azm= 90
N 0.35 10 335
P -2.71 21 242
Best Double Couple:Mo=2.5*10**17
NP1:Strike=314 Dip=26 Slip= 66
NP2: 160 66 101

17 05 11 34.65 58.428S 25.066W 33km
5.5mb (12 obs.) 6.1Msz (15 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C M.W.: 8S, 17C
Centroid Location:
Origin Time 05:11:43.9 0.2
Lat 58.52S 0.03 Lon 24.34W 0.03
Dep 16.3 0.9 Half-duration 5.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.77 Plg=73 Azm=256
N -0.02 2 351
P -2.75 17 82
Best Double Couple:Mo=2.8*10**18
NP1:Strike=174 Dip=28 Slip= 93
NP2: 350 62 88

19 01 56 30.65 41.451N 142.022E 70km
5.0mb (64 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 01:56:29.6 1.5
Lat 41.49N 0.12 Lon 142.18E 0.16
Dep 82.0 1.1 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 3.31 Plg=68 Azm=320
N -0.19 9 207
P -3.12 20 113
Best Double Couple:Mo=3.2*10**16
NP1:Strike=187 Dip=26 Slip= 69
NP2: 31 66 100

19 05 54 13.13 21.838N 142.891E 292km
5.2mb (43 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 05:54:23.4 1.8
Lat 22.73N 0.14 Lon 142.79E 0.11
Dep 272.9 5.3 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.78 Plg=72 Azm=221
N 2.10 12 89
P -9.88 13 356
Best Double Couple:Mo=8.8*10**16
NP1:Strike= 70 Dip=34 Slip= 67
NP2: 276 59 104

19 18 53 42.40 17.979S 178.518W 581km
5.1mb (16 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 18:53:53.1 2.9
Lat 17.22S 0.28 Lon 179.34W 0.22
Dep 601.7 9.7 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.75 Plg=38 Azm= 28
N 0.18 25 140
P -1.94 41 255
Best Double Couple:Mo=1.9*10**17
NP1:Strike= 54 Dip=25 Slip=-177
NP2: 321 89 -65

19 19 10 49.16 3.835N 126.648E 40km
5.5mb (38 obs.) 5.2Msz (9 obs.)
TALAUD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 19:10:51.3 0.3
Lat 3.95N 0.05 Lon 126.98E 0.06
Dep 17.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.50 Plg=75 Azm=271
N -0.14 1 4
P -3.36 15 94
Best Double Couple:Mo=3.4*10**17
NP1:Strike=185 Dip=30 Slip= 91
NP2: 3 60 89

19 20 48 51.79 1.886N 127.279E 75km
5.7mb (49 obs.)
HALMAHERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 45 Dip=82 Slip= -90
NP2: 225 8 -90
Principal Axes:
T Plg=37 Azm=135
P 53 315
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 95 No. of sta: 9
Principal Axes:
Scale 10**17 Nm
T Val= 5.06 Plg=21 Azm=159
N -0.04 17 63
P -5.02 63 297
Best Double Couple:Mo=5.0*10**17
NP1:Strike=276 Dip=28 Slip= -53
NP2: 56 68 -108
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 20:48:57.9 0.3
Lat 1.52N 0.04 Lon 128.00E 0.05
Dep 26.2 2.7 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 7.79 Plg=29 Azm=157
N -1.46 5 250
P -6.33 60 349
Best Double Couple:Mo=7.1*10**17
NP1:Strike=231 Dip=16 Slip=-110
NP2: 71 75 -84

20 03 50 08.39 39.109N 44.123E 55km
5.0mb (51 obs.) 4.7Msz (4 obs.)
N.W. IRAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 11S, 21C
Centraid Lacatian:
Origin Time 03:50:10.7 0.9
Lat 38.97N 0.09 Lon 44.00E 0.10
Dep 15.0 FIX Half-duratian 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.13	34	74
N	-0.02	54	230
P	-2.11	12	336

Best Double Couple:Mo=2.1*10**17

	Strike=	Dip=	Slip=
NP1:	110	58	163
NP2:	209	75	34

20 04 25 36.62 0.960N 30.267W 10km
5.8mb (60 abs.) 5.3Msz (3 obs.)
CENTRAL MID-ATLANTIC RIDGE
RADIATED ENERGY
No. of sta: 3 Focal mech. C
Energy 4.1±0.5*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centraid Lacatian:
Origin Time 04:25:42.4 1.0
Lat 0.64N 0.12 Lan 29.58W 0.11
Dep 15.0 FIX Half-duratian 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.22	54	128
N	-0.46	18	12
P	-1.76	30	271

Best Double Couple:Ma=2.0*10**17

	Strike=	Dip=	Slip=
NP1:	319	22	35
NP2:	196	78	108

20 08 03 11.02 16.767S 177.135W 33km
5.1mb (16 abs.) 5.0Msz (2 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 08:03:14.4 0 8
Lat 17.00S 0.06 Lon 177.39W 0 08
Dep 15.0 FIX Half-duration 2 1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.33	10	94
N	-0.27	79	262
P	-2.06	2	3

Best Double Couple:Mo=2.2*10**17

	Strike=	Dip=	Slip=
NP1:	138	81	174
NP2:	229	84	9

21 18 27 58.01 44.264N 152.167E 26km
5.4mb (74 obs.) 5.0Msz (3 obs.)
KURIL ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 18:27:59.5 0.6
Lat 44.32N 0.07 Lon 151.99E 0.16
Dep 25.8 5.7 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.21	11	353
N	-0.14	9	85
P	-7.07	76	213

Best Double Couple:Mo=7.1*10**16

	Strike=	Dip=	Slip=
NP1:	72	35	-106
NP2:	271	57	-79

22 04 03 34.84 17.062N 61.543W 61km
5.0mb (33 abs.)
LEEWARD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Lacatian:
Origin Time 04:03:38.1 1.3
Lat 17.18N 0.12 Lon 61.34W 0.08
Dep 36.6 5.4 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.85	75	249
N	0.88	2	348
P	-6.73	15	78

Best Double Couple:Ma=6.3*10**16

	Strike=	Dip=	Slip=
NP1:	172	30	95
NP2:	346	60	87

23 04 13 37.94 30.851S 177.999W 60km
5.2mb (5 obs.)
KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 04:13:47.7 3.5
Lat 30.53S 0.21 Lon 178.93W 0.26
Dep 64.610.3 Half-duratian 5.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	2.57	70	49
N	0.62	19	218
P	-3.19	4	309

Best Double Couple:Ma=2.9*10**16

	Strike=	Dip=	Slip=
NP1:	59	45	118
NP2:	202	52	65

24 02 37 25.52 13.717N 124.812E 43km
5.1mb (18 abs.) 5.3Msz (3 abs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 02:37:26.3 0.7
Lat 13.18N 0.09 Lon 125.19E 0.14
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.22	60	229
N	0.67	19	356
P	-1.89	23	94

Best Double Couple:Mo=1.6*10**17

	Strike=	Dip=	Slip=
NP1:	216	28	134
NP2:	348	70	70

24 15 59 11.27 51.841N 175.903E 33km
5.0mb (41 obs.) 4.5Msz (3 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 15:59:14.5 0.5
Lot 51.72N 0.06 Lon 175.62E 0.07
Dep 22.1 4.2 Half-duratian 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.67	9	111
N	-2.34	74	235
P	-8.33	13	19

Best Double Couple:Mo=9.5*10**16

	Strike=	Dip=	Slip=
NP1:	156	74	-177
NP2:	65	87	-16

24 20 03 29.18 23.478N 121.851E 44km
5.5mb (74 obs.) 5.5Msz (1 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 7S, 16C
Centroid Locotion:
Origin Time 20:03:29.5 0.6
Lot 23.20N 0.06 Lon 121.25E 0.13
Dep 40.5 4.4 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.72	71	62
N	-0.12	17	214
P	-1.60	8	307

Best Double Couple:Mo=1.7*10**17

	Strike=	Dip=	Slip=
NP1:	56	40	117
NP2:	202	55	69

24 20 49 33.60 40.857N 28.227E 16km
5.0mb (56 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Lacatian:
Origin Time 20:49:39.5 1.1
Lot 40.77N 0.10 Lan 28.73E 0.10
Dep 15.0 FIX Half-duratian 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.12	6	221
N	0.61	68	115
P	-10.73	21	314

Best Double Couple:Mo=1.0*10**17

	Strike=	Dip=	Slip=
NP1:	356	71	-11
NP2:	89	80	-160

25 01 19 29.52 23.851S 176.940W 85km
5.5mb (30 abs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 01:19:35.1 0.5
Lat 23.98S 0.05 Lan 176.85W 0.06
Dep 97.0 3.3 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.20	37	147
N	0.23	27	35
P	-1.42	41	278

Best Double Couple:Mo=1.3*10**17

	Strike=	Dip=	Slip=
NP1:	299	27	-5
NP2:	33	88	-117

25 06 11 33.80 58.680S 25.305W 33km
5.4mb (7 abs.) 4.3Msz (1 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 16C
Centraid Lacation:
Origin Time 06:11:39.9 0.7
Lat 58.82S 0.13 Lan 24.94W 0.18
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.14	67	249
N	-0.82	5	351
P	-7.32	22	83

Best Double Couple:Mo=7.7*10**16

	Strike=	Dip=	Slip=
NP1:	183	23	103
NP2:	349	67	85

25 10 10 33.83 7.791S 158.255E 44km
6.1mb (50 obs.) 6.0Msz (21 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	95	55	-55
NP2:	224	48	-129

Principal Axes:

	Plg=	Azm=
T	4	161
P	62	64

Comment: The facal mechanism is moderately well cantrolled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. M
Energy 1.3±0.4*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 48 No. of sta: 15
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.27	1	335
N	0.02	30	244
P	-3.29	60	67

Best Double Couple:Mo=3.3*10**18

	Strike=	Dip=	Slip=
NP1:	92	51	-50
NP2:	219	53	-128

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 39C M.W.: 8S, 19C
Centraid Lacation:
Origin Time 10:10:38.1 0.2
Lat 7.84S 0.01 Lan 158.39E 0.02
Dep 49.2 0.9 Half-duratian 5.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.40	15	162
N	-0.04	29	260
P	-2.35	57	48

Best Double Couple:Mo=2.4*10**18

	Strike=	Dip=	Slip=
NP1:	218	40	-140
NP2:	95	66	-58

25 20 09 24.78 78.560N 6.105E 10km
4.8mb (41 obs.) 4.4Msz (4 abs.)
SVALBARD REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 20:09:29.2 0.4
Lat 78.49N FIX;Lan 5.51E FIX

Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.43 Plg=14 Azm= 84
N 0.00 70 312
P -1.43 15 178
Best Double Couple:Mo=1.4*10**17
NP1:Strike=221 Dip=70 Slip= -1
NP2: 311 89 -160

26 00 53 44.75 42.371N 16.603E 15km
5.1mb (34 obs.) 5.4Msz (4 obs.)
ADRIATIC SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centraid Location:
Origin Time 00:53:48.7 1.4
Lat 42.14N 0.13 Lon 16.20E 0.10
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.55 Plg=68 Azm=279
N -0.34 21 85
P -1.21 5 177
Best Double Couple:Mo=1.4*10**17
NP1:Strike=289 Dip=44 Slip= 121
NP2: 68 53 63

26 01 42 55.60 22.913N 108.023W 10km
5.4mb (47 obs.) 5.1Msz (2 obs.)
OFF COAST OF CENTRAL MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Locatian:
Origin Time 01:42:59.6 0.6
Lat 22.89N FIX;Lon 108.06W FIX
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 8.06 Plg=14 Azm=260
N -0.74 56 148
P -7.32 30 358
Best Double Couple:Mo=7.7*10**17
NP1:Strike= 36 Dip=58 Slip= -12
NP2: 132 80 -148

26 01 47 35.02 57.534N 143.073W 10km
5.4mb (54 obs.) 5.6Msz (13 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 01:47:35.6 0.4
Lat 57.90N 0.05 Lon 143.20W 0.07
Dep 15.0 FIX Half-durotion 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 6.89 Plg= 6 Azm=124
N -0.74 73 13
P -6.15 16 216
Best Double Couple:Mo=6.5*10**17
NP1:Strike=259 Dip=74 Slip= -7
NP2: 351 83 -164

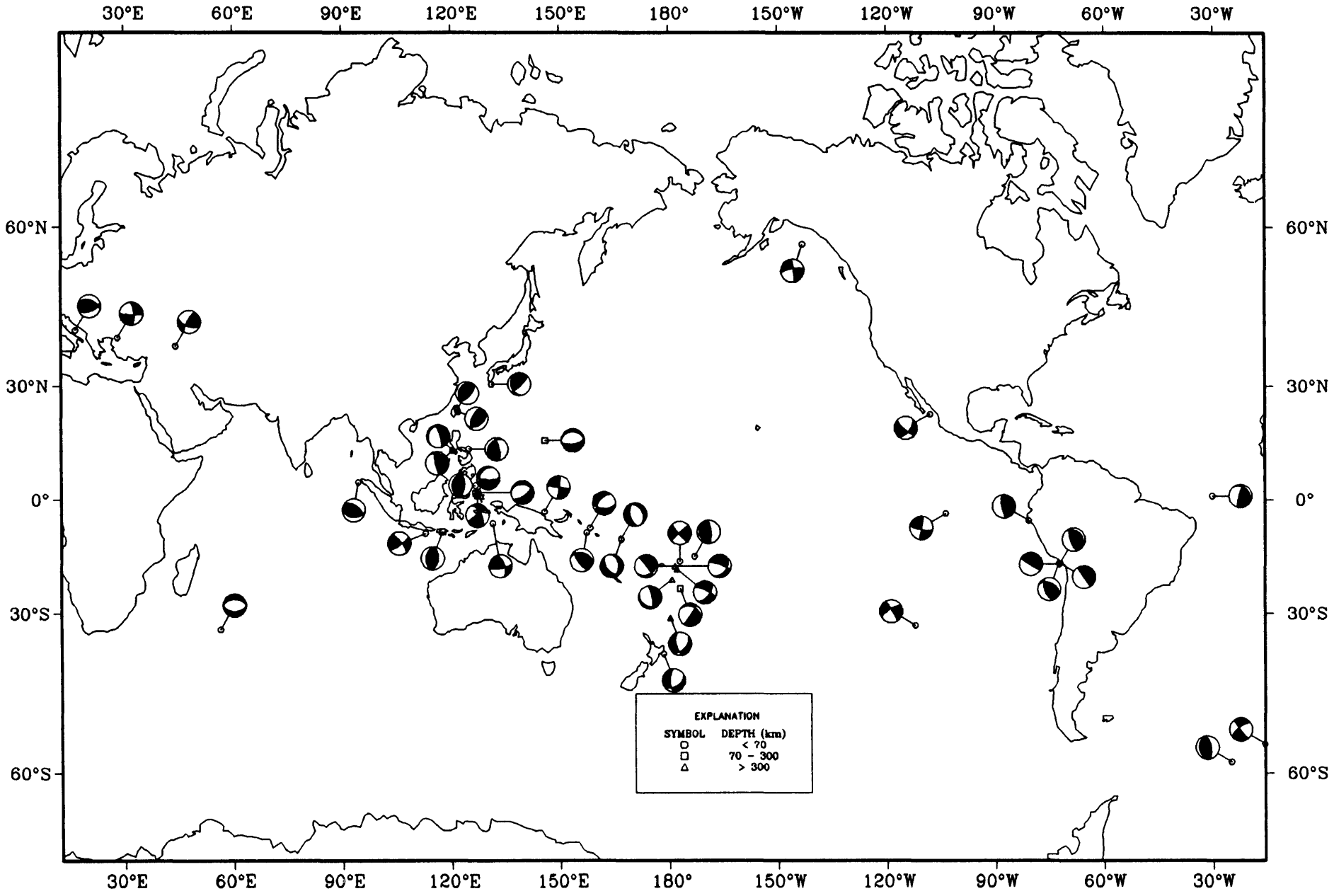
28 22 41 08.84 18.029S 178.457W 629km
5.3mb (31 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 22:41:17.9 0.6
Lat 17.82S 0.06 Lon 178.70W 0.05
Dep 644.4 2.7 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.50 Plg=26 Azm=353
N -0.04 33 102
P -4.46 46 233
Best Double Couple:Mo=4.5*10**17
NP1:Strike= 36 Dip=35 Slip=-160
NP2: 289 79 -56

29 17 26 47.03 3.877S 103.788W 21km
5.3mb (22 obs.) 5.1Msz (3 obs.)
NORTHERN EASTER I. CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centraid Locatian:
Origin Time 17:26:49.9 0.4
Lat 4.11S 0.03 Lan 103.82W 0.04
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.80 Plg=12 Azm=323
N -0.80 76 175
P -3.00 7 55
Best Double Couple:Mo=3.4*10**17
NP1:Strike=100 Dip=77 Slip= 3
NP2: 9 87 167

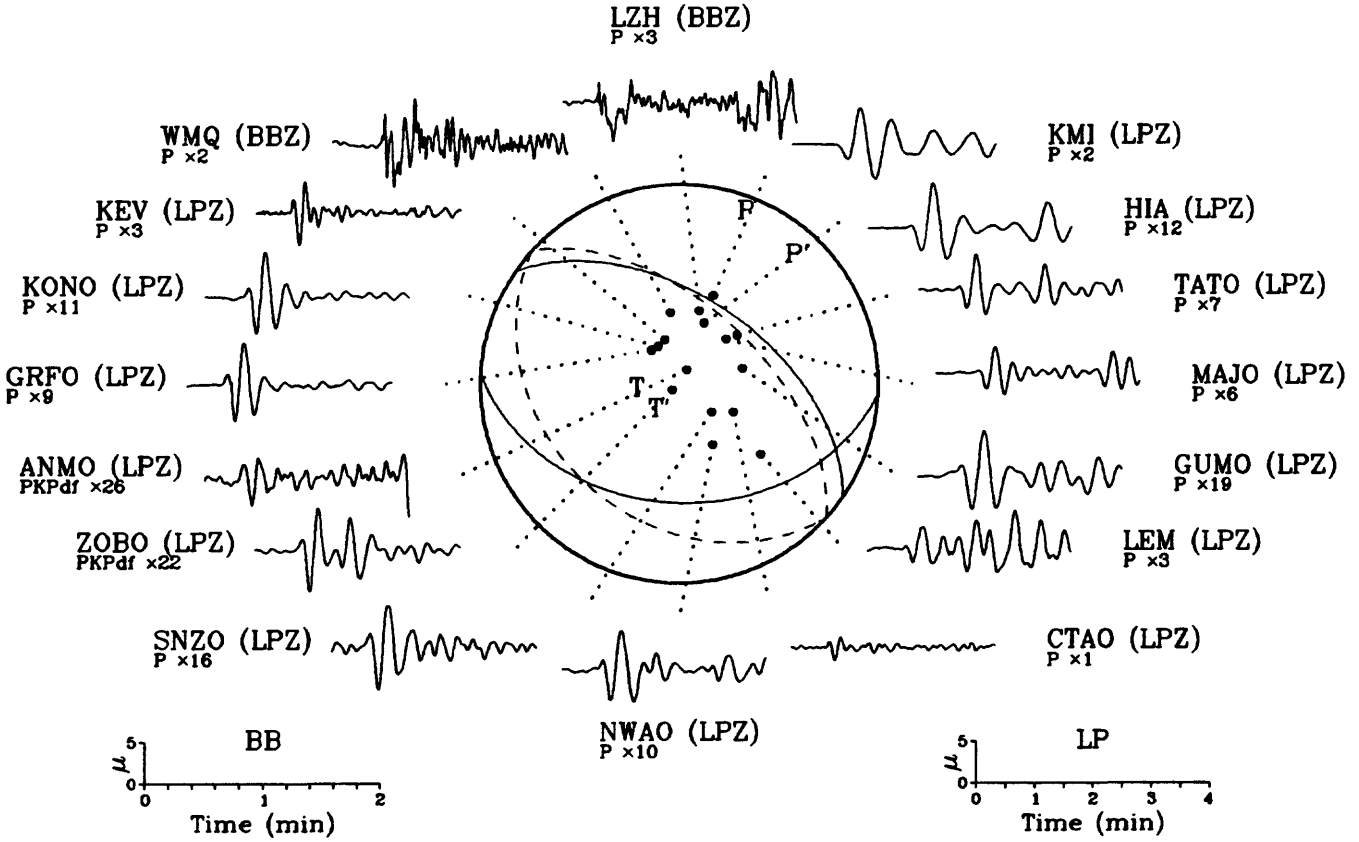
30 06 50 10.64 17.053S 167.453E 47km
5.2mb (6 obs.) 4.6Msz (1 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 06:50:13.2 1.0
Lat 16.94S 0.11 Lon 167.07E 0.10
Dep 39.9 7.3 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.89 Plg=50 Azm=175
N -0.06 40 355
P -4.83 0 85
Best Double Couple:Mo=4.9*10**16
NP1:Strike=208 Dip=57 Slip= 141
NP2: 322 58 40

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

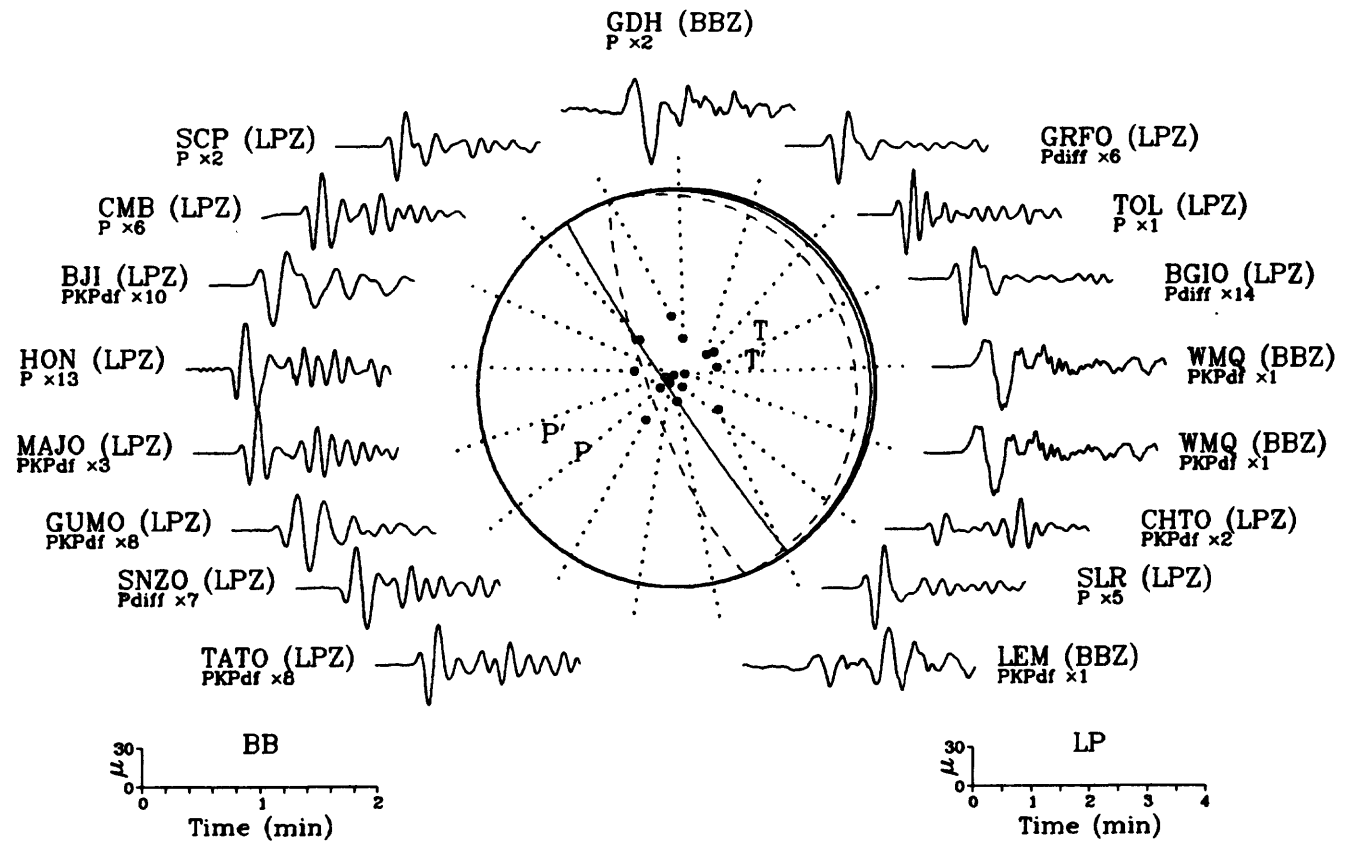
Earthquake Focal Mechanisms for April 1988



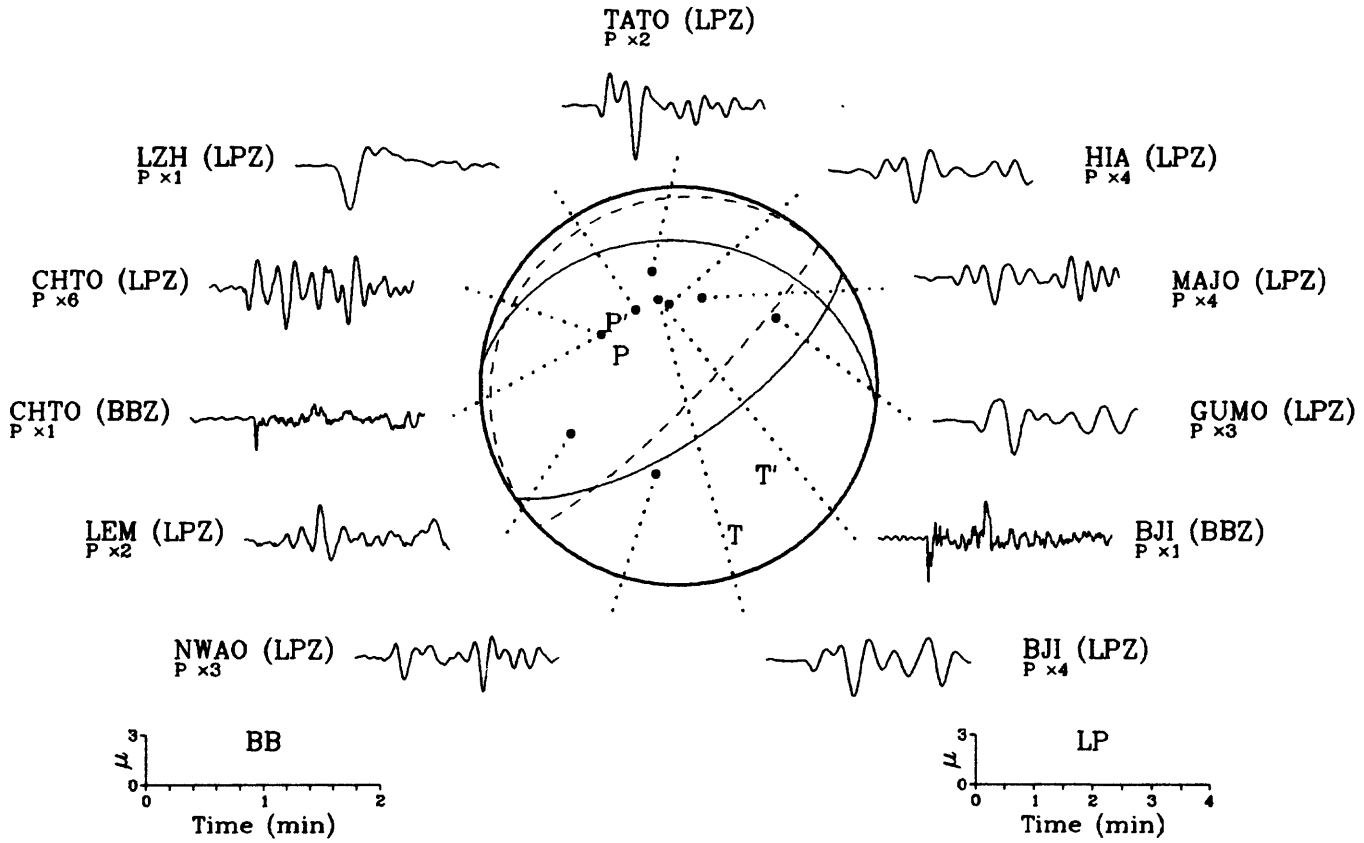
03 April 1988 14:27:09.04
Off W Coast of Northern Sumatera



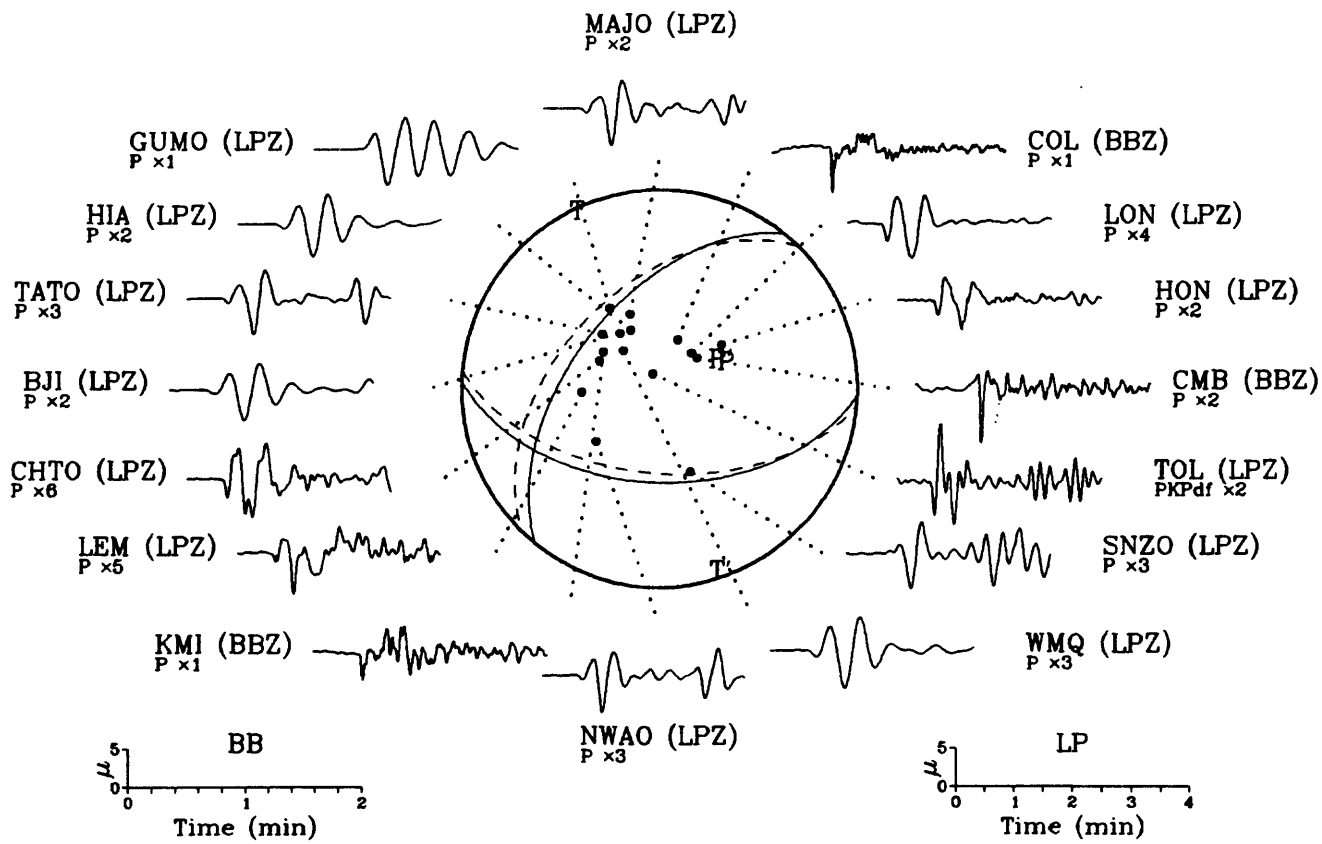
12 April 1988 23:19:55.57
Near Coast of Peru

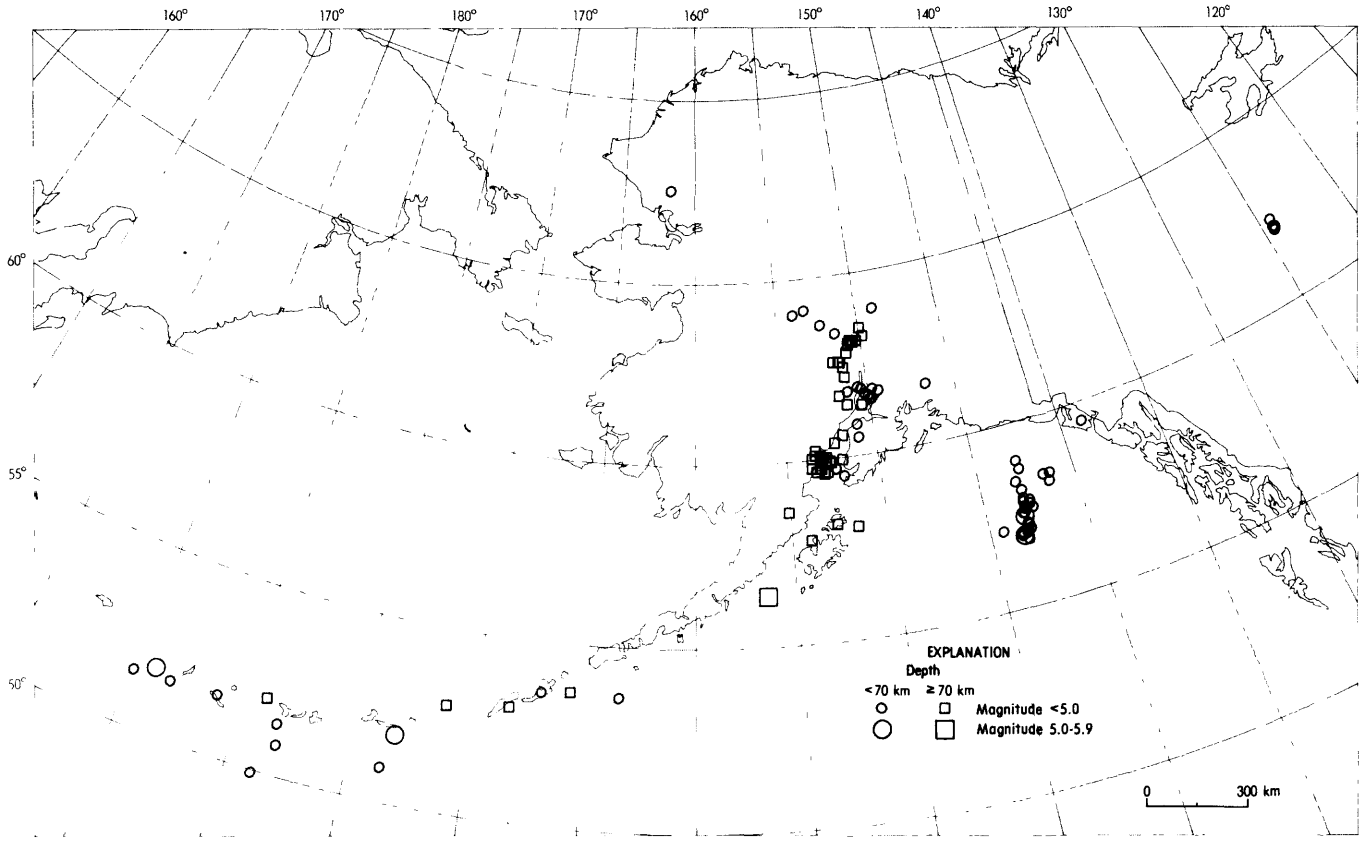


19 April 1988 20:48:51.79
Halmahera

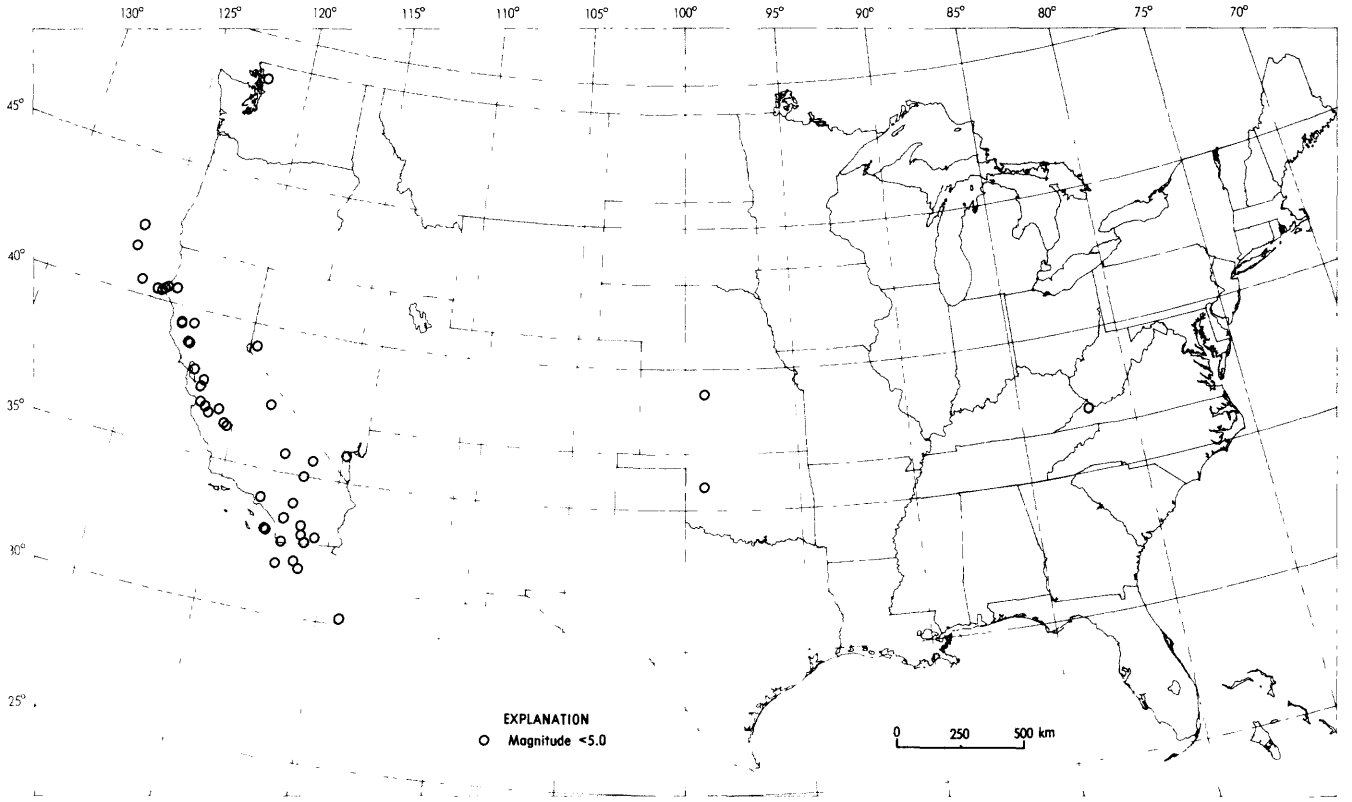


25 April 1988 10:10:33.83
Solomon Islands

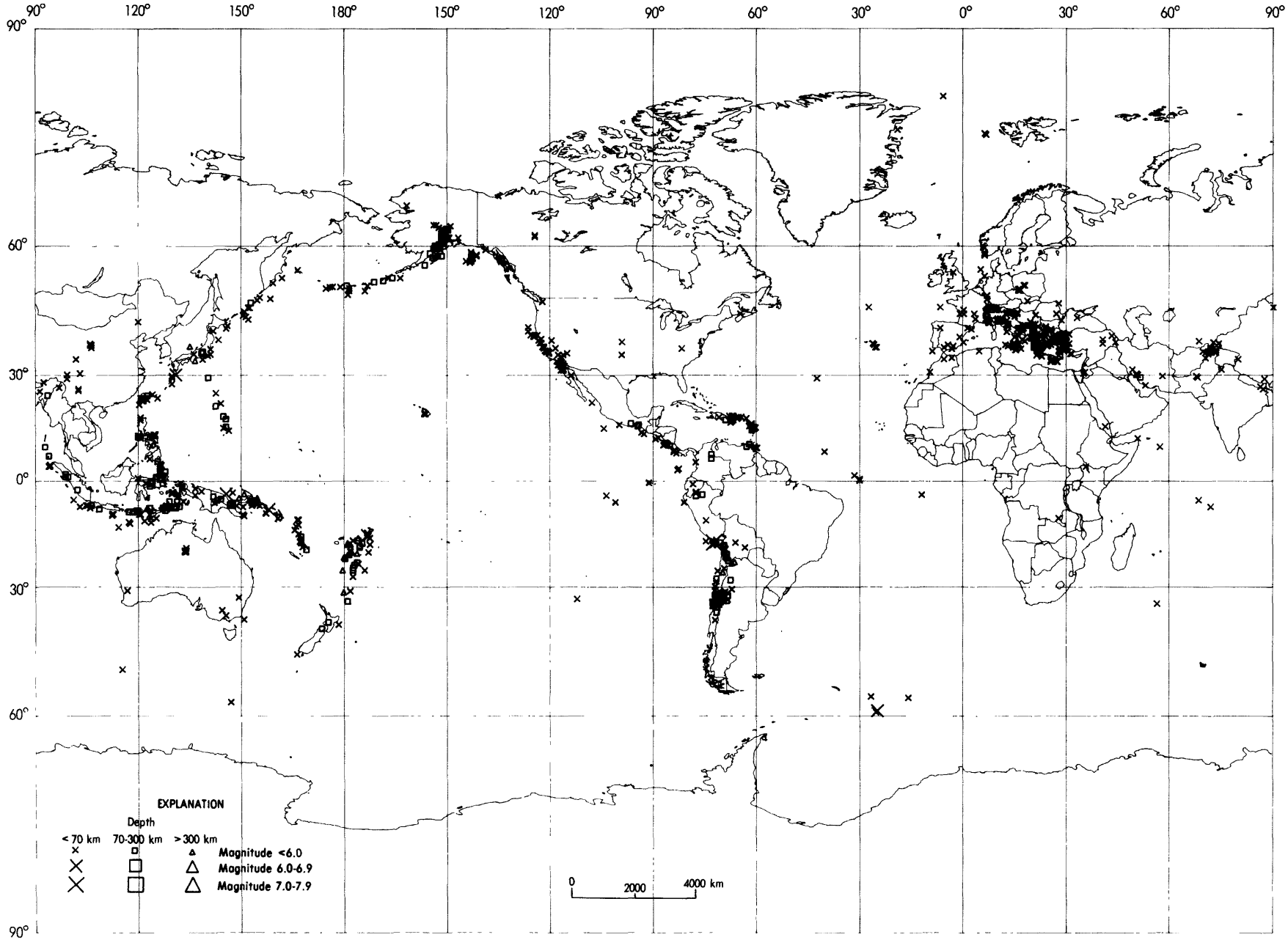




Earthquake epicenters in Alaska and adjacent regions for April, 1988 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for April, 1988 (C. Stover).



Earthquakes located in April, 1988 (C. Stover).

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

MAY 1988

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	25	57.2*	42.755	N	12.534	E	10	G			1.5	5	CENTRAL ITALY
	01	02	00	44.8?	35.30	N	27.80	E	33	N			0.9	5	DODECANESE ISLANDS
	01	02	58	02.4	44.669	N	10.320	E	24				1.1	36	NORTHERN ITALY. ML 3.4 (LDG), 3.1 (KBA).
	01	04	44	16.5%	16.329	N	60.853	W	37	*			0.3	12	LEEWARD ISLANDS. ML 2.9 (FDF).
	01	05	30	03.3&	20.000	N	156.466	W	0					47	HAWAII. <HVO-P>. MD 4.1 (HVO).
o	01	05	47	42.2	18.181	N	145.729	E	114	D	5.1		1.0	68	MARIANA ISLANDS
	01	06	55	00.1&	40.700	N	120.900	W	22					7	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK).
	01	08	04	58 7?	32.73	S	179.16	W	33	N	4.8	4.1	1.5	12	SOUTH OF KERMADEC ISLANDS
o	01	10	06	47.5	49.229	N	157.609	E	51	D	5.1		1.0	209	KURIL ISLANDS REGION
	01	10	20	20.6?	2 54	S	31.84	E	33	N	4.0		0.2	5	LAKE VICTORIA REGION
	01	11	24	16.2*	5.225	S	153.534	E	64	*	4.0		0.7	9	NEW IRELAND REGION
	01	11	33	47.9	43.150	N	19.358	E	10	G			1.5	8	YUGOSLAVIA. ML 2.2 (TTG).
	01	11	39	14.3?	45.38	N	148.78	E	33	N	4.1		1.1	8	KURIL ISLANDS
	01	13	45	52.5*	37.109	N	13.422	W	10	G			1.1	14	NORTH ATLANTIC OCEAN. MG 4.1 (TIO).
o	01	15	22	07.0	11.666	S	166.445	E	122	D	5.6		1.0	137	SANTA CRUZ ISLANDS
	01	15	43	10.6*	51.248	N	178.874	W	60	*	4.6		1.0	31	ANDREANOF ISLANDS, ALEUTIAN IS.
	01	16	01	39.6&	61.998	N	150.342	W	68		3.7			41	SOUTHERN ALASKA. <AGS-P>.
	01	16	58	59.8*	7.166	S	147.117	E	33	N	3.1		1.4	5	EAST PAPUA NEW GUINEA REGION
	01	18	01	16.4?	51.67	N	16.40	E	10	G			1.0	7	POLAND. ML 3.5 (VKA), 3.1 (KBA).
	01	18	43	04.9	23.821	S	70.942	W	10	G	4.9		1.0	23	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Antofogosto.
	01	18	59	06.4?	35.95	S	71.80	W	10	G			0.9	7	CENTRAL CHILE
	01	19	34	03.2*	36.856	N	29.039	E	10	G			1.0	6	TURKEY
	01	22	25	05.2	47.193	N	150.951	E	150	G	4.5		0.8	35	KURIL ISLANDS
	01	22	42	49.2&	32.990	N	117.870	W	6	G				16	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS). Felt (III) at San Diego.
a	01	23	06	33.5	55.897	S	27.672	W	138	D	5.9		0.8	150	SOUTH SANDWICH ISLANDS REGION. Depth from broadbond displacement seismograms.
	01	23	57	34.1	46.233	N	6.948	E	10	G			1.2	14	SWITZERLAND. ML 2.7 (LDG).
	02	01	37	08.6&	33.000	N	117.870	W	6	G				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	02	01	46	43.8*	10.348	N	125.913	E	33	N	4.1		0.9	11	LEYTE, PHILIPPINE ISLANDS
	02	02	13	25.6	40.100	N	82.228	E	10	G	4.9	4.1	1.2	62	SOUTHERN XINJIANG, CHINA
	02	03	08	38.1	51.394	N	179.612	E	33	N	4.9		1.0	53	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
	02	03	18	49.3	32.962	S	72.109	W	10	G	3.3		0.4	10	OFF COAST OF CENTRAL CHILE
	02	03	24	39.8*	32.919	S	72.194	W	10	G	2.9		1.0	12	OFF COAST OF CENTRAL CHILE
	02	04	11	00.7*	33.131	S	71.702	W	10	G			1.0	10	NEAR COAST OF CENTRAL CHILE
	02	05	13	23.8%	14.978	N	60.416	W	32				0.4	11	WINDWARD ISLANDS. ML 2.6 (FDF).
	02	05	18	54.1%	17.054	N	61.624	W	33	N			0.4	8	LEEWARD ISLANDS. ML 2.8 (FDF).
	02	07	23	50.5	44.338	N	7.311	E	21				0.6	16	NORTHERN ITALY. ML 3.1 (LDG). MD 3.1 (STR).
	02	07	57	02.2%	16.957	N	61.656	W	10	G			0.3	5	LEEWARD ISLANDS. ML 2.1 (FDF).
	02	00	41	21.4	13.490	N	124.752	E	25	D	4.7	4.3	1.1	48	LUZON, PHILIPPINE ISLANDS
	02	09	38	38.9*	32.901	S	72.264	W	10	G	2.9		0.4	10	OFF COAST OF CENTRAL CHILE
	02	09	50	44.9*	32.666	S	72.798	W	10	G	2.8		0.8	9	OFF COAST OF CENTRAL CHILE
	02	10	12	29.3	36.424	N	5.082	W	5	G			1.0	6	STRAIT OF GIBRALTAR. MG 2.6 (MDD).
	02	10	51	17.1?	37.12	N	3.67	W	5	G			1.7	4	SPAIN. MG 2.8 (MDD). Minor damage at Granada.
	02	12	27	57.1	44.109	N	10.772	E	10				1.2	46	NORTHERN ITALY. ML 3.7 (LDG), 3.3 (KBA). MD 3.3 (ROM).
	02	12	44	40.9%	40.832	N	28.309	E	10	G			0.6	6	TURKEY
	02	13	26	19.5	26.983	N	84.381	E	95		3.8		0.7	12	NEPAL-INDIA BORDER REGION
	02	13	37	15.3*	34.390	N	25.690	E	33	N	4.6		0.7	9	CRETE
	02	14	10	07.3	36.393	N	5.756	W	5	G			1.0	10	STRAIT OF GIBRALTAR. MG 2.7 (MDD).
	02	14	38	52.5	36.403	N	5.769	W	5	G			0.9	10	STRAIT OF GIBRALTAR. MG 3.0 (MDD).
	02	14	48	02.5	36.384	N	5.698	W	10	G			1.1	6	STRAIT OF GIBRALTAR
	02	16	02	31.4	42.306	N	16.600	E	5	G			1.2	13	ADRIATIC SEA. ML 2.5 (TTG).
	02	16	07	03.3%	36.332	N	5.455	W	10	G			0.9	5	STRAIT OF GIBRALTAR
	02	16	52	34.1*	17.279	S	178.188	W	571	?	5.2		0.8	29	FIJI ISLANDS REGION
	02	18	13	03.0%	36.388	N	5.666	W	10	G			0.7	5	STRAIT OF GIBRALTAR
	02	18	47	09.6*	6.620	S	130.688	E	122	*	4.0		0 4	9	BANDA SEA
	02	19	23	28.0&	36.665	N	121.332	W	4					20	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	02	19	39	48.2	36.383	N	5.745	W	5	G			1.1	13	STRAIT OF GIBRALTAR. MG 3.0 (MDD).

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	02	19	48	51.1*	57.306	N	143.275	W	10	G		0.4	6	GULF OF ALASKA. ML 3.6 (PMR).
	02	21	52	49.0*	38.569	N	14.806	E	10	G		0.2	5	SICILY
	02	21	58	24.5%	40.104	N	29.318	E	10	G		1.1	6	TURKEY
	03	00	42	15.0*	38.339	N	20.336	E	10	G		1.2	10	GREECE. MD 3.6 (ATH).
	03	03	23	58.2*	38.510	N	26.757	E	10	G		1 2	7	AEGEAN SEA
	03	07	14	21.4	38.178	N	26.146	E	10	G		1.0	5	AEGEAN SEA. ML 3.1 (ATH).
	03	07	31	21.8?	2.00	N	99.22	E	164	?	4.4	0.9	7	NORTHERN SUMATERA
	03	07	55	54.7	44.807	N	110.505	W	5	G		0 7	11	YELLOWSTONE NATIONAL PARK, WYO. ML 3.3 (BUT). Felt (III) at Canyon Village.
	03	08	41	22.7	42.501	N	47.639	E	33	N	4.6 3.7	1.3	52	EASTERN CAUCASUS
	03	08	53	47.0	32.006	N	49.676	E	60		4.8	1.0	78	WESTERN IRAN. Felt at Izeh.
	03	09	12	13.7%	41.097	N	28.946	E	10	G		0.6	7	TURKEY
o	03	09	15	21.7	42.469	N	47.663	E	22	D	5.1 4.5	1.2	212	EASTERN CAUCASUS. Slight damage (V) at Mokhochkala. Felt (III) at Groznyy.
	03	10	03	31.5?	18.27	N	66.55	W	33	N		1.3	7	PUERTO RICO REGION
	03	10	07	51.1?	42.37	N	47.91	E	33	N	4.3	1.2	12	EASTERN CAUCASUS
	03	11	17	42.8*	4.688	S	152.707	E	33	N	4.7	1.0	7	NEW BRITAIN REGION. Felt (III) at Rabaul.
	03	12	02	27.8*	6.690	S	154.339	E	33	N	4.5	0.9	8	SOLOMON ISLANDS. Felt (III) at Arawa and Panguna, Bougainville.
	03	13	00	18.7*	50.544	N	5.528	E	10	G		0.6	5	BELGIUM
	03	16	14	20.7?	18.91	N	65.32	W	10	G		0.4	6	PUERTO RICO REGION
	03	19	04	05.2*	24.042	N	121.664	E	48	*	3.8	1.5	20	TAIWAN
	03	19	11	05.8	8.520	N	125.989	E	33	N	5.0	1.3	36	MINDANAO, PHILIPPINE ISLANDS
o	03	20	28	19.6	44.497	N	149.265	E	39	D	5.7 5.0	0.9	274	KURIL ISLANDS
f	03	23	22	07.6	22.774	S	170.278	E	11	G	5.9 5.8	0.9	295	LOYALTY ISLANDS REGION. Ms 6.0 (BRK). Depth from broadband displacement seismograms.
o	04	00	01	32.0	17.328	S	66.629	E	10	G	5.2	1.4	45	MASCARENE ISLANDS REGION
	04	00	21	27.7&	36.745	N	120.747	W	7				10	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	04	00	57	06.8	49.928	N	78.769	E	0	G	6.1	0.9	463	EASTERN KAZAKH SSR
	04	01	46	15.1*	10.379	N	86.136	W	33	N	4.4	1.3	11	OFF COAST OF COSTA RICA. MD 4.2 (HDC).
	04	02	47	11.5%	15.985	N	60.718	W	31			0.4	11	LEEWARD ISLANDS. ML 2.7 (FDF).
	04	02	51	18.1?	42.13	N	47.15	E	33	N	4.4	0.6	8	EASTERN CAUCASUS
	04	02	54	38.9*	18.096	S	178.035	W	523	?	4.3	0.7	29	FIJI ISLANDS REGION
	04	04	46	50.9?	18.92	N	65.14	W	10	G		0.1	6	PUERTO RICO REGION
	04	04	51	11.4*	6.687	N	126.071	E	86	*	3.3	0.9	12	MINDANAO, PHILIPPINE ISLANDS
	04	04	52	29.6?	32.22	S	117.95	E	10	G	3.5	1.3	5	WESTERN AUSTRALIA
	04	05	24	04.2?	19.47	N	64.15	W	10	G		1.0	12	VIRGIN ISLANDS. ML 4.5 (FDF).
	04	06	19	51.3	33.754	S	70.954	W	33	N		0.5	10	CHILE-ARGENTINA BORDER REGION
	04	06	44	25.0?	18.86	N	65.15	W	10	G		0.1	5	PUERTO RICO REGION
	04	07	22	19.5	20.054	S	178.402	W	580		5.0	1.0	74	FIJI ISLANDS REGION
	04	08	33	35.7*	6.946	N	72.953	W	156	*		1.1	8	NORTHERN COLOMBIA
	04	09	51	33.7?	17.63	N	67.56	W	33	N		0.7	13	MONA PASSAGE
	04	10	05	16.2?	60.66	S	27.06	W	33	N	4.7	1.5	10	SOUTH SANDWICH ISLANDS REGION
	04	11	44	58.7*	7.136	S	142.760	E	33	N	3.3	1.1	6	PAPUA NEW GUINEA
	04	12	10	32.7%	39.474	N	29.542	E	10	G		0.9	5	TURKEY
	04	13	14	57.5%	36.420	N	5.686	W	10	G		0.5	5	STRAIT OF GIBRALTAR
	04	13	52	03.1&	58.234	N	142.780	W	10	G			29	GULF OF ALASKA. <AGS-P>.
	04	14	28	08.4	40.493	N	15.688	E	10	G		1.0	9	SOUTHERN ITALY
	04	14	40	09.8?	6.42	S	145.80	E	129	?	3.3	1.0	6	PAPUA NEW GUINEA
	04	15	35	26.7*	36.936	N	13.840	W	10	G		0.8	14	NORTH ATLANTIC OCEAN. MD 3.6 (MDD).
	04	16	54	56.3?	6.25	S	145.38	E	33	N	3.4	1.1	5	PAPUA NEW GUINEA
	04	17	59	59.8*	17.253	S	179.381	W	578	*	4.7	0.5	17	FIJI ISLANDS REGION
	04	18	21	56.8?	46.38	N	13.14	E	5	G		0.4	4	AUSTRIA. ML 1.9 (KBA). MD 2.5 (TRI).
	04	18	53	33.5	35.974	N	114.995	W	0	G		0.6	19	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (PAS). Explosion at a fuel plant at Henderson, Nevada. Two people killed and 250 injured at Henderson.
	04	18	57	34.8	36.021	N	115.067	W	0	G		0.3	29	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (PAS). Explosion at a fuel plant at Henderson, Nevada.
	04	19	48	15.2%	40.363	N	26.998	E	10	G		1.4	6	TURKEY
	04	19	49	16.1*	37.149	S	176.798	E	245		5.0	1.1	19	NORTH ISLAND, NEW ZEALAND
	04	19	52	43.7*	32.686	S	71.553	W	30		3.1	0.7	11	NEAR COAST OF CENTRAL CHILE
	04	21	15	10.4*	38.100	N	21.800	E	33	N		1.0	5	GREECE. ML 3.2 (ATH).
	04	23	47	02.4	18.512	N	145.858	E	123	G	5.9	1.2	275	MARIANA ISLANDS. mb 6.4 (PAS), 6.3 (BRK). Depth from broadband displacement seismograms.
	05	00	03	20.0	2.696	S	140.525	E	26		5.4 5.7	1.2	78	NEAR N. COAST OF WEST IRIAN. Felt in the Jayapura area.
	05	00	18	13.4&	47.651	N	120.321	W	7				74	WASHINGTON. <SEA>. CL 3.3 (SEA). Felt (III) at Ardenvoir and Entiat. Also felt at Orondo and Wenatchee.
	05	00	55	28.5?	20.29	S	69.33	W	10	G		1.0	6	NORTHERN CHILE
	05	01	02	30.0?	24.65	N	94.14	E	33	N		1.4	7	BURMA-INDIA BORDER REGION
	05	02	50	30.7	44.832	N	148.756	E	77	*	4.8	0.7	99	KURIL ISLANDS
	05	03	14	30.9*	14.855	S	71.428	W	149	*		0.4	8	PERU
	05	05	15	46.9?	26.62	S	178.60	W	341	?	4.0	1.2	15	SOUTH OF FIJI ISLANDS
	05	05	54	54.4*	42.381	N	2.286	W	10	G		1.1	5	SPAIN. MG 3.0 (MDD).
	05	06	05	20.7&	60.014	N	152.590	W	87				22	SOUTHERN ALASKA. <AGS-P>.
	05	06	16	33.5*	0.317	N	98.348	E	33	N	4.0	0.7	9	NORTHERN SUMATERA
	05	07	13	31.7?	5.19	S	154.75	E	215	?	4.4	0.7	6	SOLOMON ISLANDS
o	05	07	57	50.0	18.204	S	168.169	E	36	D	5.2 5.3	1.0	96	VANUATU ISLANDS
	05	08	11	52.9*	18.331	S	168.196	E	28	D	4.7	1.3	40	VANUATU ISLANDS
	05	09	16	03.6*	18.144	S	167.958	E	33	N	4.1 4.1	1.2	17	VANUATU ISLANDS
	05	09	35	08.2&	60.048	N	153.189	W	118				21	SOUTHERN ALASKA. <AGS-P>.
a	05	10	04	14.0	26.867	S	113.268	W	10	G	6.1 6.3	1.1	202	EASTER ISLAND REGION. Ms 6.4 (PAS), 6.3 (BRK).
	05	11	19	22.2	18.994	N	145.615	E	192	D	4.9	1.1	82	MARIANA ISLANDS
	05	11	25	20.7	63.089	N	150.467	W	114	*		1.1	11	CENTRAL ALASKA
	05	12	58	41.5&	58.749	N	142.736	W	10	G			24	GULF OF ALASKA. <AGS-P>.
	05	16	09	16.0?	4.32	S	141.88	E	173	?	4.3	1.5	7	PAPUA NEW GUINEA
	05	17	24	42.8	40.700	N	139.573	E	33	N	4.9	0.7	14	NEAR WEST COAST OF HONSHU, JAPAN. Felt (I JMA) at Aomori and Akita.
a	05	17	39	20.2	29.418	S	71.656	W	54		5.4 5.2	1.0	134	NEAR COAST OF CENTRAL CHILE
	05	20	46	08.9	51.275	N	15.728	E	5	G		1.0	15	POLAND. ML 4.0 (VKA), 3.9 (GRF), 3.7 (KBA).
a	05	20	51	13.5	4.531	S	102.932	E	87		5.5	1.0	101	SOUTHERN SUMATERA
	05	21	30	00.8	20.554	S	66.839	W	241		4.1	1.3	20	SOUTHERN BOLIVIA
o	05	22	32	48.9	26.649	S	113.664	W	10	G	5.5 5.9	1.2	98	EASTER ISLAND REGION. Ms 6.1 (BRK).

a	05	23	35	33.6	49.856	S	115.378	E	10	G	5.6	5.5	0.9	126	SOUTH OF AUSTRALIA
	06	00	14	41.7*	39 170	N	43.979	E	10	G	4.3		1.3	14	TURKEY. Slight damage at Muradiye.
	06	00	38	42.3*	8.555	S	120.572	E	186	?	4.2		0.9	8	FLORES ISLAND REGION
	06	01	48	43.2%	5.603	N	0.320	W	10	G			0.1	5	NORTHWEST AFRICA
	06	05	02	20 8?	6.05	S	147.44	E	180	?	4.7		1.2	7	EAST PAPUA NEW GUINEA REGION
a	06	05	04	58.2	11.690	N	142.772	E	27	D	5.7	5.3	1.1	150	SOUTH OF MARIANA ISLANDS
	06	05	25	08.0	40.866	N	28.294	E	10	G			0.8	14	TURKEY
a	06	05	47	46.9	21.112	S	173.978	W	33	N	5.2	5.0	1.2	64	TONGA ISLANDS
	06	07	53	22.9%	41 378	N	29.365	E	10	G			0.3	9	TURKEY
	06	09	12	11.8*	9.895	N	56.867	E	10	G	4.6		0.9	14	CARLSBERG RIDGE
	06	09	23	34.9	12.169	N	92.837	E	23	D	5.2	4.8	0.9	143	ANDAMAN ISLANDS REGION
	06	09	30	31.8	12.132	N	92.902	E	33	N	4.6		1.0	30	ANDAMAN ISLANDS REGION
	06	10	04	56.6&	43.039	N	127.803	W	12		4.0			69	OFF COAST OF OREGON. <SEA>.
	06	10	31	45.3*	15.332	S	167.351	E	146	*	4.3		1.2	37	VANUATU ISLANDS
	06	10	41	35.5*	43.495	N	147.771	E	33	N	4.4		0.8	19	KURIL ISLANDS
	06	11	38	20.8*	43.526	N	147.687	E	41	D	4.7	4.1	1.0	41	KURIL ISLANDS
	06	11	45	30.2&	60.000	N	151.548	W	46		3.9			40	KENAI PENINSULA, ALASKA. <AGS-P>. Felt (III) at Homer.
	06	12	18	49.5	36.917	N	29.652	E	27		4.4		1.2	85	TURKEY
	06	13	56	54.5*	33.802	N	25.623	E	33	N			1.2	9	EASTERN MEDITERRANEAN SEA
f	06	14	46	17.0	11.493	N	85.911	W	87	G	5.7		1.4	403	NICARAGUA. Ms 6.0 (BRK), 5.8 (PAS). Slight damage (V) in the Managua area. Landslides accurred at Sasosca. Felt (VI) at Rivas, (IV) at Puerto Carinto and (II) at Bluefields. Felt (VI) at La Cruz; (IV) at Puntarenas, Las Chiles, San Ramon and San Jose; (III) at Quepos and Turrialba; (II) at Limon and Ciudad Cartes, Costa Rica. Felt (III) at San Salvador, El Salvador. Depth from broadband displacement seismograms.
	06	15	45	38.3*	12.501	S	73.238	W	33	N			0.6	6	PERU
o	06	16	34	05.5	13.390	S	76.226	W	51	D	5.9		0.9	312	NEAR COAST OF PERU. Felt (III) at Ica. Also felt at Lima and San Vicente de Canete.
	06	16	55	48.5	45.742	N	11.615	E	10	G			1.1	8	NORTHERN ITALY. ML 2.7 (KBA).
	06	17	46	11.3*	32.351	N	141.504	E	47	D	4.8		1.1	25	SOUTH OF HONSHU, JAPAN
	06	18	13	06.5	17.471	N	102.228	W	78	*	4.4		1.0	31	NEAR COAST OF MICHOACAN, MEXICO
a	06	19	14	57.1	32.986	S	178.750	W	45	D	5.6	5.8	1.3	106	SOUTH OF KERMADEC ISLANDS. Ms 6.2 (BRK).
	06	19	26	35.4?	51.61	N	16.15	E	10	G			0.1	7	POLAND. ML 3.3 (GRF), 3.2 (VKA).
	06	22	17	21.7	42.735	N	18.641	E	13				0.5	12	YUGOSLAVIA. MD 2.7 (TTG).
	07	00	41	07.5%	33.268	S	71.007	W	10	G			1.0	7	NEAR COAST OF CENTRAL CHILE
a	07	00	54	12.9	43.305	N	147.894	E	25	D	5.4	5.0	0.9	217	KURIL ISLANDS
a	07	00	57	14.8	43.485	N	147.792	E	42	D	5.3		0.9	146	KURIL ISLANDS
	07	01	02	13.7	38.230	N	26.093	E	10	G			0.9	6	AEGEAN SEA. ML 3.0 (ATH).
	07	01	05	40.1?	44.13	N	147.01	E	33	N	4.5		1.0	11	KURIL ISLANDS
	07	01	07	41.0&	59.887	N	153.306	W	118					19	SOUTHERN ALASKA. <AGS-P>.
	07	01	22	17.5	43.378	N	147.785	E	41	D	5.3	4.5	0.9	192	KURIL ISLANDS
o	07	01	59	26.2	42.601	N	143.751	E	72	G	6.1		1.0	498	HOKKAIDO, JAPAN REGION. Felt (IV JMA) at Kushiro and Hiroo; (III JMA) at Obihiro and Urakawa; (II JMA) at Nemuro, Abashiri, Muroran and Hakodate; (I JMA) at Asahikawa and Sapporo. Felt (III JMA) at Hachinohe, Aomari and Morioka; (II JMA) at Miyako, Ofunato and Ishinomaki; (I JMA) at Akita, Sendai, Niigata, Takya and Yokohama, Honshu. Felt (III) at Yuzhno-Kurilsk, Kuril Islands. Depth from broadband displacement seismograms.
	07	03	11	47.5	38.405	N	26.943	E	10	G			1.1	22	AEGEAN SEA. ML 3.8 (ATH). Felt at Izmir, Turkey.
	07	03	14	19.9*	37.167	N	70.768	E	33	N	4.3		0.3	7	AFGHANISTAN-USSR BORDER REGION
	07	03	15	22.3	11.548	N	61.288	W	42	*			0.6	20	WINDWARD ISLANDS. ML 4.8 (FDF). MD 4.1 (TRN).
	07	03	38	44.7?	42.79	N	143.81	E	96	?	3.9		0.7	5	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Hiroo.
	07	04	10	15.7*	18.225	N	146.027	E	135	*	4.6		0.9	22	MARIANA ISLANDS
	07	05	05	33.9	0.467	S	30.006	E	10	G	4.5		0.9	14	UGANDA
	07	05	56	04.9?	44.24	N	147.36	E	33	N	4.4		1.1	7	KURIL ISLANDS
	07	06	07	19.5*	3.931	S	128.335	E	114	*	4.7		1.3	15	CERAM
	07	06	15	03.7	43.358	N	147.755	E	40	D	5.0	4.2	1.0	91	KURIL ISLANDS
	07	06	24	55.8	43.366	N	147.863	E	33	N	4.7		1.0	39	KURIL ISLANDS
	07	06	37	43.5	43.427	N	13.006	E	10	G			0.7	6	CENTRAL ITALY
	07	06	40	14.3*	19.869	S	168.866	E	110	G	4.2		1.2	25	VANUATU ISLANDS
	07	07	45	34.6*	14.204	N	90.905	W	166		4.4		1.0	24	GUATEMALA
	07	07	50	53.2?	44.45	N	43.42	E	33	N	4.4		1.4	10	WESTERN CAUCASUS
	07	09	07	51.8&	36.680	N	121.368	W	3					17	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt south of Hollister.
	07	09	42	37.0*	4.657	S	102.729	E	60	G	4.9		0.7	19	SOUTHERN SUMATERA
	07	13	41	34.4	14.609	N	93.426	W	26		4.9		1.1	27	NEAR COAST OF CHIAPAS, MEXICO
	07	14	15	37.3&	36.678	N	121.362	W	5					18	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt south of Hollister.
	07	14	15	48.7&	36.678	N	121.362	W	5	G				2	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Felt south of Hollister.
	07	14	19	44.0&	36.678	N	121.355	W	2					16	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Felt south of Hollister.
	07	14	20	30.6?	33.28	S	178.39	W	33	N	4.9		1.5	12	SOUTH OF KERMADEC ISLANDS
	07	15	13	50.1*	6.272	S	149.814	E	33	N	4.4		1.4	6	NEW BRITAIN REGION
	07	15	22	57.7	51.355	N	177.864	E	33	N	4.9	4.2	1.2	64	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PMR).
	07	15	23	45.2%	40.339	N	15.332	E	10	G			0.4	5	SOUTHERN ITALY
	07	15	49	12.4?	51.52	N	174.98	W	33	N	4.7		1.4	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	17	04	36.3*	33.174	S	178.367	W	33	N	4.8		1.0	11	SOUTH OF KERMADEC ISLANDS
	07	17	11	32.9%	40.691	N	29.927	E	10	G			0.3	6	TURKEY
	07	17	13	22.1	38.948	N	21.636	E	10	G	3.4		1.2	16	GREECE. ML 3.3 (ATH).
	07	17	54	41.3*	62.157	N	124.273	W	10	G			0.6	5	NORTHWEST TERRITORIES, CANADA
	07	18	50	00.8	46.489	N	9.830	E	10	G			1.3	19	SWITZERLAND. ML 2.7 (LDG).
	07	19	10	49.2	20.996	S	178.292	W	491		4.6		1.0	51	FIJI ISLANDS REGION
	07	20	17	35.7	32.813	N	35.631	E	13				0.7	19	DEAD SEA REGION. ML 3.6 (JER). Felt in the Sea of Galilee region.
	07	20	41	31.5	38.454	N	20.436	E	10	G	3.4		1.4	21	GREECE. ML 3.9 (ATH).
	07	20	54	02.9*	41.886	N	23.153	E	10	G			1.4	5	GREECE-BULGARIA BORDER REGION. ML 2.0 (SKO).
	07	21	22	40.6	32.007	S	71.921	W	33	N	3.0		0.8	16	NEAR COAST OF CENTRAL CHILE
	07	21	46	10.9	4.438	S	101.544	E	35	D	5.1	4.8	1.0	52	SOUTHERN SUMATERA

	07	22	49	58.1	73.364	N	54.445	E	0	G	5.6	3.8	0.8	384	NOVAYA ZEMLYA
	08	00	30	41.0?	49.33	N	153.71	E	33	N	4.6		0.8	16	KURIL ISLANDS
	08	00	33	04.9?	21.51	S	70.77	W	33	N	4.6		0.5	5	NEAR COAST OF NORTHERN CHILE
	08	01	10	15.5?	34.43	N	139.03	E	10	G	3.9		1.3	6	NEAR S. COAST OF HONSHU, JAPAN
	08	01	52	42.9•	15.464	S	71.251	W	33	N			0.6	5	SOUTHERN PERU
	08	03	05	56.7	18.837	N	146.818	E	33	N	5.0	4.5	1.3	72	MARIANA ISLANDS
	08	03	15	42.9•	10.102	N	60.251	W	33	N	4.0		1.0	21	TRINIDAD. MD 4.5 (TRN). Felt (III) on northern Trinidad.
	08	05	33	34.3&	60.118	N	153.459	W	153		4.1			39	SOUTHERN ALASKA. <AGS-P>.
	08	05	49	18.5?	33.62	S	72.63	W	10	G			0.6	9	OFF COAST OF CENTRAL CHILE
	08	06	03	35.5%	16.281	N	61.378	W	10	G			0.6	7	LEEWARD ISLANDS. ML 2.2 (FDF).
	08	06	50	20.0	35.261	N	55.884	E	42		4.8	4.0	0.9	108	IRAN
	08	07	28	25.1	38.595	N	14.626	E	10	G			0.3	8	SICILY
	08	08	05	03.2?	19.74	N	66.51	W	10	G			0.4	6	PUERTO RICO REGION
	08	08	12	42.3%	39.507	N	28.215	E	10	G			0.3	6	TURKEY
	08	08	31	07.7•	3.788	S	127.803	E	33	N	4.4	3.3	1.0	10	CERAM
	08	09	13	26.0%	44.376	N	6.841	E	10	G			0.5	7	FRANCE. ML 2.5 (LDG).
	08	09	15	22.7%	39.665	N	29.471	E	10	G			0.5	5	TURKEY
	08	09	38	24.1%	39.674	N	29.389	E	10	G			0.2	5	TURKEY
	08	12	21	25.1•	10.408	S	161.421	E	87	•	4.3		1.5	13	SOLOMON ISLANDS
	08	13	33	48.2%	39.397	N	28.184	E	10	G			1.2	8	TURKEY
	08	13	50	35.7&	60.055	N	153.383	W	149					26	SOUTHERN ALASKA. <AGS-P>.
	08	15	25	41.9	4.916	S	102.342	E	33	N	4.8	3.6	1.0	32	SOUTHERN SUMATERA
	08	16	24	51.8%	33.521	S	70.985	W	33	N			0.5	6	CHILE-ARGENTINA BORDER REGION
a	08	17	49	48.3	19.146	N	121.170	E	31	D	5.2	5.2	1.0	165	PHILIPPINE ISLANDS REGION
	08	18	30	14.7	6.053	S	154.382	E	63	•	3.8		0.6	11	SOLOMON ISLANDS
	08	19	08	17.7	13.521	N	125.067	E	33	N	4.5		1.0	26	PHILIPPINE ISLANDS REGION
a	08	19	44	55.1	14.942	N	120.135	E	50		5.6	5.8	0.9	289	LUZON, PHILIPPINE ISLANDS. Felt (V RF) in Zambales Province and (III RF) at Pasuquin and Callao Coves. Also felt at Manila.
	08	19	52	49.2	14.853	N	120.165	E	79	•	5.2		0.7	32	LUZON, PHILIPPINE ISLANDS
	08	19	59	33.1	35.458	N	4.902	W	10	G			0.8	9	STRAIT OF GIBRALTAR. MG 2.7 (TIO).
	08	20	38	29.2	40.667	N	20.823	E	10	G	3.1		1.1	23	GREECE-ALBANIA BORDER REGION. ML 3.5 (SKO), 2.8 (TTG).
	08	20	51	24.6&	36.540	N	121.110	W	9					17	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	08	22	19	56.5	46.302	N	6.621	E	9				1.0	32	SWITZERLAND. ML 3.0 (LDG). MD 3.0 (STR).
	08	22	22	00.7•	39.306	N	117.933	E	10	G	4.4		1.5	7	NORTHEASTERN CHINA. ML 3.9 (BJI).
a	08	22	44	02.5	42.321	N	142.973	E	70		5.1		0.9	210	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Hiroo and Urakawa; (II JMA) at Kushiro, Obihiro and Tomakomai; (I JMA) at Muroran, Sapporo and Otoru.
	08	23	17	14.2	48.694	N	9.541	E	10	G			0.8	10	GERMANY. ML 3.1 (LDG), 2.9 (FUR), 2.2 (GRF). MD 3.1 (STR).
	08	23	36	49.6?	3.58	S	140.11	E	33	N	3.7		1.3	7	WEST IRIAN
	09	00	20	08.1	46.555	N	2.041	E	11				0.9	15	FRANCE. ML 3.1 (LDG).
	09	00	44	43.4•	2.780	S	128.089	E	33	N	4.4		1.1	13	CERAM SEA
	09	01	11	18.2•	11.175	N	86.202	W	89	?			0.5	16	NEAR COAST OF NICARAGUA. MD 4.4 (HDC), 3.8 (SJR).
	09	01	23	03.6&	47.000	N	66.600	W	5	G				6	NEW BRUNSWICK. <OTT-P>. mbLg 3.4 (OTT).
	09	02	07	20.0?	2.92	N	129.13	E	33	N	4.7		0.3	8	HALMAHERA
	09	02	19	23.6?	5.58	S	147.58	E	209	?	4.2		1.1	5	EAST PAPUA NEW GUINEA REGION
	09	04	14	47.0&	36.680	N	121.360	W	4					17	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt south of Hollister.
	09	05	04	54.9	33.965	N	25.063	E	50	?	3.9		0.9	15	EASTERN MEDITERRANEAN SEA
	09	05	12	44.9	46.345	N	6.604	E	10	G			1.0	9	SWITZERLAND. ML 2.8 (LDG).
	09	05	41	21.0	16.800	N	97.851	W	43		5.0		0.9	77	OAXACA, MEXICO
	09	08	09	09.4%	46.265	N	7.005	E	10	G			1.0	8	SWITZERLAND. ML 2.6 (LDG).
	09	08	55	51.9?	32.89	S	178.94	W	33	N	5.0		1.5	14	SOUTH OF KERMADEC ISLANDS
	09	09	59	17.9&	61.338	N	150.361	W	45					27	SOUTHERN ALASKA. <AGS-P>.
	09	10	33	59.5	48.405	N	8.867	E	10	G			1.4	13	GERMANY. ML 3.0 (LDG). MD 3.0 (STR).
	09	10	47	42.9%	39.693	N	29.425	E	10	G			0.9	5	TURKEY
	09	11	06	52.7•	6.624	N	124.213	E	60	?	4.7		1.2	7	MINDANAO, PHILIPPINE ISLANDS
	09	11	11	01.0%	46.571	N	2.052	E	10	G			1.1	17	FRANCE. ML 3.1 (LDG).
	09	11	48	05.0&	61.736	N	150.914	W	69					32	SOUTHERN ALASKA. <AGS-P>.
a	09	12	22	03.7	29.907	S	177.860	W	54	D	5.6		1.0	94	KERMADEC ISLANDS. Ms 5.5 (BRK). Felt on Raoul Island.
	09	14	56	54.3?	19.71	N	145.11	E	141	•	4.3		0.6	9	MARIANA ISLANDS
	09	15	53	22.1•	50.438	N	6.170	E	10	G			0.1	5	GERMANY
	09	16	03	38.5	28.998	N	94.779	E	31	D	5.1		0.9	126	INDIA-CHINA BORDER REGION. ML 5.1 (BJI).
	09	16	23	59.7	18.090	N	76.500	W	10	G	4.5	4.0	1.0	20	JAMAICA REGION. Three people injured and slight damage (VI) in the Kingston-Linstead-lower St. Andrew area. Felt widely on Jamaica.
	09	16	33	38.9&	61.308	N	146.044	W	28		4.5			48	SOUTHERN ALASKA. <AGS-P>. ML 4.9 (PMR). Felt (IV) at Valdez and Pump Station Twelve; (III) at Copper Center, Glenallen and Palmer; (II) at Anchorage.
	09	16	52	04.8	37.708	N	19.965	E	35		4.7		1.2	106	IONIAN SEA. ML 4.5 (ATH), 4.4 (TTG).
	09	19	24	29.2%	21.885	S	126.440	E	10	G			1.1	5	WESTERN AUSTRALIA
	09	20	13	06.7	41.731	N	23.686	E	10	G			1.5	11	GREECE-BULGARIA BORDER REGION
	09	21	14	07.5&	58.398	N	152.654	W	50					24	KODIAK ISLAND REGION. <AGS-P>.
	09	22	59	44.9	46.281	N	7.600	E	10	G			1.1	15	SWITZERLAND. ML 2.8 (LDG).
	09	23	45	01.6?	3.60	S	100.21	E	33	N	4.4		0.8	6	SOUTHERN SUMATERA
	09	23	47	33.2	46.236	N	6.823	E	10	G			0.9	15	SWITZERLAND. ML 2.7 (LDG).
	10	00	22	35.0	48.424	N	9.096	E	10	G			0.9	12	GERMANY. ML 2.9 (LDG), 2.6 (GRF).
	10	02	11	29.9?	17.23	S	70.78	W	156	?			0.4	5	NEAR COAST OF PERU
	10	02	26	20.0	46.212	N	6.781	E	10	G			1.1	16	SWITZERLAND. ML 2.8 (LDG).
	10	03	00	23.9•	13.566	N	125.075	E	33	N	4.9		1.4	31	PHILIPPINE ISLANDS REGION
	10	04	32	43.9•	26.346	N	105.342	E	10	G	4.6		1.4	7	EASTERN CHINA
	10	04	43	45.4%	41.871	N	19.678	E	10	G			1.1	9	ALBANIA. ML 2.8 (TTG).
	10	07	16	41.7?	25.10	N	88.25	E	33	N			0.5	6	INDIA-BANGLADESH BORDER REGION
	10	07	40	00.6%	18.138	N	66.859	W	10	G			0.9	7	PUERTO RICO REGION
	10	07	58	53.5	46.374	N	142.901	E	334	•	4.3		0.9	35	SAKHALIN ISLAND
	10	09	45	05.6	21.332	S	169.878	E	96	•	4.7		1.2	21	LOYALTY ISLANDS REGION
a	10	10	04	12.4	7.202	S	123.871	E	578		5.4		1.0	134	BANDA SEA
	10	10	46	13.5?	29.36	N	126.13	E	10	G			1.4	6	EAST CHINA SEA
	10	11	03	15.2%	39.677	N	29.486	E	10	G			1.1	7	TURKEY
	10	11	07	46.0•	36.790	N	70.869	E	33	N	4.5		1.4	9	HINDU KUSH REGION
	10	11	09	34.0?	50.51	N	19.05	E	10	G			2.0	5	POLAND. ML 2.7 (KRA).

	10	12	19	31.4•	35.986	N	139.597	E	68		4.1		0.8	9	NEAR S COAST OF HONSHU, JAPAN. Felt (I JMA) at Kumagaya, Tokyo and Utsunomiya.
	10	12	31	31.3&	36 842	N	121.582	W	5					22	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.2•10••14 Nm (BRK). Felt (IV) at Carmel Valley and (III) at Castroville. Also felt at Aramos and Salinas. Felt in parts of Monterey and San Benito Counties.
	10	13	04	03.8&	57.282	N	143.031	W	10	G	4.6			85	GULF OF ALASKA. <AGS-P>. ML 4.0 (PMR).
	10	14	27	14.2	34.307	N	25.112	E	30	•	4.3		1.3	81	CRETE ML 4 2 (ATH).
	10	15	38	35.6•	31.848	S	69.363	W	111	•	3.7		0.9	13	SAN JUAN PROVINCE, ARGENTINA
	10	17	38	52.3%	38.920	N	26.703	E	10	G			0.8	5	AEGEAN SEA
	10	17	45	45.8?	12.72	S	117.92	E	33	N	4.0		1.4	7	SOUTH OF SUMBAWA ISLAND
	10	17	49	24.7	18.240	S	167.968	E	10	G	4.1		1.1	19	VANUATU ISLANDS
	10	17	59	22.7•	24.246	S	67.131	W	181	•	4.7		1.3	16	CHILE-ARGENTINA BORDER REGION
	10	18	02	05.5%	40.818	N	28.334	E	10	G			0.5	9	TURKEY
	10	18	48	18.2	30.668	N	138.429	E	401		4.6		0.7	50	SOUTH OF HONSHU, JAPAN
	10	18	49	58.3•	4.364	S	152.945	E	37	•	4.2		0 9	9	NEW BRITAIN REGION. Felt (III) at Rabaul.
	10	19	00	56.0	11.112	N	57.396	E	10	G	4.5		1.2	62	ARABIAN SEA
	10	20	45	35.5	42.593	N	26.571	E	10	G			0.5	7	BULGARIA
	10	20	51	40.1	29.050	N	94.767	E	26	D	4.9		0.9	107	INDIA-CHINA BORDER REGION. ML 5.0 (BJI).
	10	21	27	15.8&	36.837	N	121.582	W	4					12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt at Salinas.
	10	21	30	11.6&	36.832	N	121.568	W	6					11	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Felt at Salinas.
	10	22	24	37.8?	35.93	N	28.50	E	33	N			1.4	8	EASTERN MEDITERRANEAN SEA
	10	22	50	23.2&	36.832	N	121.580	W	4					14	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt at Salinas.
	11	00	08	51.1	48.089	N	0.655	W	10	G			1.1	38	FRANCE. ML 4.2 (LDG). MD 3.5 (STR).
	11	00	26	44.2•	7.672	S	145.751	E	72	?	4.6		1.5	10	NEAR S COAST OF PAPUA NEW GUINEA
	11	01	15	46.6	36.419	N	71.482	E	72	?	4.5		1.0	16	AFGHANISTAN-USSR BORDER REGION
	11	02	23	05.5?	44.47	N	114.08	W	5	G			0.7	6	WESTERN IDAHO. ML 3.5 (BUT).
	11	02	44	40.5&	60.538	N	151.186	W	61					25	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	03	16	33.3%	39.563	N	26.460	E	10	G			0.8	5	TURKEY
	11	03	23	06.7&	60.842	N	151 785	W	85					21	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	05	22	28.5?	31.62	S	70.01	W	161	?			0.4	8	CHILE-ARGENTINA BORDER REGION
	11	05	27	17.8&	62.498	N	151.242	W	104					23	CENTRAL ALASKA. <AGS-P>.
	11	05	57	55.4&	58.935	N	142.786	W	10	G				27	GULF OF ALASKA. <AGS-P>.
	11	07	23	11.7	9.896	N	86.607	W	33	N	4.7		0.9	21	OFF COAST OF COSTA RICA. MD 4.3 (HDC).
	11	09	15	54.0%	39.931	N	28.894	E	10	G			0.7	6	TURKEY
	11	09	25	10.3%	39.545	N	29.452	E	10	G			1.2	5	TURKEY
	11	09	47	01.1?	7.88	S	129.88	E	124	?	4.1		1.5	8	BANDA SEA
	11	10	31	30.1&	41.856	N	112.632	W	4					11	UTAH. <SLC-P>. ML 3.3 (SLC).
	11	11	12	09.9	47.606	N	7.690	E	10	G			0.6	15	SWITZERLAND. ML 2.7 (LDG). MD 2.7 (STR).
	11	11	12	49.6•	8.550	S	122.296	E	33	N	3.6		1.4	9	FLORES ISLAND REGION
	11	11	36	11.2•	11.230	N	86.197	W	111		4.3		0.7	27	NEAR COAST OF NICARAGUA. MD 4.7 (HDC), 4.2 (SJR).
	11	12	34	33.1•	42.728	N	19.184	E	0	G			0.7	5	YUGOSLAVIA. MD 2.2 (TTG). Probable explosion.
	11	14	18	45.0&	36.835	N	121.568	W	4					12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Felt at Prunedale and Salinas.
	11	14	30	43.4&	36.835	N	121.572	W	4					12	CENTRAL CALIFORNIA. <BRK>. ML 2.4 (BRK). Felt at Prunedale and Salinas.
	11	15	44	50.4	34.430	N	139.031	E	5	G	4.5		1.0	23	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima; (I JMA) at Nagatsura and Omaezaki.
	11	15	46	06.8?	7.87	S	129.59	E	179	?	4.8		1.4	8	BANDA SEA
	11	16	01	44.3&	58.154	N	142.860	W	10	G				28	GULF OF ALASKA. <AGS-P>.
	11	16	50	01.2•	49.162	N	6.892	E	10	G			1.2	7	GERMANY
	11	16	59	58.3	21.867	S	139.072	W	0	G	5.5		1.1	109	TUAMOTU ARCHIPELAGO REGION
a	11	17	27	58.3	11.125	S	116.274	E	41	D	5.6	4.8	1.2	175	SOUTH OF SUMBAWA ISLAND
	11	17	46	37.6	38.506	N	20 488	E	10	G			1.2	17	GREECE. ML 3.7 (ATH).
	11	18	29	14.0	46.343	N	6.691	E	10	G			0.3	9	SWITZERLAND. ML 2.6 (LDG).
	11	18	47	04.4•	3.100	S	141.161	E	33	N	4.7	3.9	1.5	16	PAPUA NEW GUINEA
	11	18	57	27.9?	3.21	N	125.66	E	33	N	4.4		1 6	13	TALAUD ISLANDS
	11	19	56	14.9•	22.712	S	176 598	W	146	?	5.1		0.9	59	SOUTH OF FIJI ISLANDS
	11	20	20	40.6•	37.903	N	20.914	E	10	G			0.5	5	IONIAN SEA. ML 3.7 (ATH).
	11	20	46	29.3?	18.24	N	67.10	W	33	N			1.2	6	MONA PASSAGE
	11	20	48	11.5	16.989	N	119 300	E	43	•	4.7		1.1	28	LUZON, PHILIPPINE ISLANDS
	11	21	10	16.3?	44.11	N	114 29	W	5	G			0 2	6	WESTERN IDAHO. ML 3.1 (BUT).
	11	22	41	44.6•	21 212	N	108.761	W	10	G	4.8		1.2	29	REVILLA GIGEDO ISLANDS REGION
	11	23	04	44.9	25 309	N	96 379	E	50	•	4.4		1.1	15	BURMA
	11	23	14	17.8&	19.797	N	155.518	W	26					55	HAWAII. <HVO-P>. ML 4.2 (HVO). Felt (IV) at Honamu, Komuela, Laupahoehoe, Ninole, Paauilo, Papaaloa, Popoikou and Pepeekeo. Felt throughout much of the Island of Hawaii.
	11	23	14	53 4&	59.262	N	151.972	W	2					31	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.9 (PMR).
	11	23	20	01.5&	43.710	N	111 227	W	1					6	EASTERN IDAHO. <SLC-P>. ML 2.6 (SLC).
	11	23	21	18.2	42.285	N	19 895	E	10	G			0.4	10	YUGOSLAVIA. ML 2.8 (TTG).
	11	23	29	16.2&	62.364	N	151.240	W	88					26	CENTRAL ALASKA. <AGS-P>.
	11	23	31	37.3	46.335	N	6.638	E	10	G			1.1	35	SWITZERLAND. ML 2.9 (LDG).
	11	23	43	38.3?	38.33	N	20.23	E	10	G			1.3	5	GREECE. ML 3.5 (ATH).
	12	01	03	26.6	2.490	S	121.991	E	33	N	4.8	4.1	1.1	24	SULAWESI
	12	02	39	34.1•	20.989	N	107.813	W	10	G	4.2		1.4	18	OFF COAST OF JALISCO, MEXICO
	12	02	42	27.7	55.190	N	160.359	W	24		4.8	4.6	1.1	69	ALASKA PENINSULA. ML 5.1 (PMR). Felt (IV) at Sand Point.
	12	02	44	59.1•	22.610	N	93.259	E	33	N	4.0		0.9	6	BURMA-INDIA BORDER REGION
	12	04	46	12.1	45.437	N	113.138	W	5	G			0.8	13	MONTANA. ML 3.7 (BUT). Felt (III) at Melrose and Polaris. Also felt at Butte.
	12	05	53	39.7&	57.326	N	143.067	W	10	G				22	GULF OF ALASKA. <AGS-P>.
	12	07	08	21.8	45.203	N	23.093	E	20	•			1.4	10	ROMANIA
	12	07	52	35.7%	39.942	N	28.791	E	10	G			0.7	5	TURKEY
	12	08	30	52.2&	37.573	N	118.853	W	8					7	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.4 (REN). ML 3.1 (PAS).
	12	09	01	56.2•	22.537	S	172.853	E	33	N	4.3		1.6	9	LOYALTY ISLANDS REGION
	12	10	39	20.0%	39.664	N	29.398	E	10	G			0.1	5	TURKEY
	12	10	47	42.7•	7.072	S	147.560	E	82	•	4.3		1.0	13	EAST PAPUA NEW GUINEA REGION
	12	11	20	19.2	15.877	N	92.633	W	171	D	4.9		1.3	86	MEXICO-GUATEMALA BORDER REGION

	12	11	23	59.7?	37.30	N	16.07	E	30	•			0.5	6	IONIAN SEA
	12	11	43	30.9&	60.274	N	153.274	W	132					25	SOUTHERN ALASKA. <AGS-P>.
	12	12	57	17.0•	37.416	N	71.125	E	33	N	4.3		1.3	10	AFGHANISTAN-USSR BORDER REGION
	12	15	26	15.5&	62.263	N	151.407	W	85					27	CENTRAL ALASKA. <AGS-P>.
	12	17	06	23.8&	61.221	N	150.277	W	48					34	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Anchorage and Palmer.
	12	17	26	33.8?	33.91	S	70.88	W	33	N			0.6	8	CHILE-ARGENTINA BORDER REGION
	12	18	41	11.8?	34.34	N	31.27	E	33	N			1.0	6	CYPRUS. MG 3.7 (HLW).
	12	18	48	11.7	19.812	S	133.971	E	5	G			0.9	6	NORTHERN TERRITORY, AUSTRALIA
	12	19	26	33.1%	45.592	N	5.881	E	10	G			0.5	5	FRANCE. ML 2.4 (LDG).
	12	19	47	06.4	11.534	S	116.340	E	33	N	5.3		1.3	26	SOUTH OF SUMBAWA ISLAND
	12	20	28	24.3	11.521	S	116.098	E	33	N	5.0		1.2	26	SOUTH OF SUMBAWA ISLAND
	12	21	40	45.1%	16.913	N	61.805	W	10	G			1.2	11	LEEWARD ISLANDS. ML 3.6 (FDF).
	12	22	37	27.5	40.817	N	27.923	E	10	G			1.1	13	TURKEY
	12	23	12	35.2•	30.063	S	71.435	W	33	N			0.7	8	NEAR COAST OF CENTRAL CHILE
	12	23	51	19.4•	17.887	S	167.790	E	28	•	4.7		1.3	44	VANUATU ISLANDS
	13	00	52	31.2&	40.243	N	124.290	W	6					10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	13	00	54	48.4&	36.610	N	118.090	W	6	G				12	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (BRK).
	13	01	26	13.1	51.808	N	178.408	E	86	D	5.0		1.0	85	RAT ISLANDS, ALEUTIAN ISLANDS
	13	01	55	26.0	12.578	S	165.690	E	33	N	5.3		1.1	81	SANTA CRUZ ISLANDS
	13	02	44	48.5•	2.708	N	31.182	W	10	G	4.8	4.3	1.2	11	CENTRAL MID-ATLANTIC RIDGE
a	13	03	22	58.5	22.823	S	174.868	W	33	N	5.1	5.2	1.2	66	TONGA ISLANDS REGION
	13	03	36	57.7&	59.905	N	152.218	W	76					26	SOUTHERN ALASKA. <AGS-P>.
	13	04	06	54.3	37.810	N	20.565	E	25	•	4.0		1.1	18	IONIAN SEA. ML 3.7 (ATH).
a	13	04	44	39.8	15.378	S	174.965	W	272	G	5.7		1.0	235	TONGA ISLANDS. Depth fram braadband displacement seismagrams.
	13	05	03	45.2•	60.417	N	147.575	W	33	N			1.7	7	SOUTHERN ALASKA. ML 3.1 (PMR).
	13	05	05	17.1•	22.228	S	179.768	W	580	•	5.1		0.8	23	SOUTH OF FIJI ISLANDS
	13	05	44	10.1•	47.692	N	155.080	E	33	N	4.8		1.0	33	KURIL ISLANDS REGION
	13	06	59	17.2?	18.73	N	67.53	W	75	•			1.6	15	MONA PASSAGE
	13	07	15	11.0&	37.353	N	121.748	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	13	07	19	39.5&	37.347	N	121.732	W	3					11	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Small fareshack abaut 2.5 secands earlier.
	13	07	50	22.1&	37.358	N	121.730	W	8					10	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	13	08	28	23.2	9.331	S	158.070	E	38	•	4.3		1.2	17	SOLOMON ISLANDS
	13	08	33	39.5•	9.435	S	158.091	E	33	N	4.2		0.6	6	SOLOMON ISLANDS
	13	08	38	46.2•	9.292	S	158.103	E	42	•	4.1		1.1	11	SOLOMON ISLANDS
	13	08	44	51.7%	42.243	N	19.938	E	10	G			0.7	8	YUGOSLAVIA. ML 2.7 (TTG).
	13	10	29	27.1%	39.610	N	29.368	E	10	G			0.7	5	TURKEY
	13	10	55	51.9?	39.63	N	29.41	E	10	G			1.7	5	TURKEY
	13	11	04	03.2%	39.663	N	29.464	E	10	G			0.7	5	TURKEY
	13	11	17	04.3&	57.566	N	143.070	W	10	G	4.0			41	GULF OF ALASKA. <AGS-P>.
	13	11	18	00.7%	39.251	N	27.771	E	10	G			0.3	5	TURKEY
	13	13	23	38.6•	33.337	S	70.558	W	90	?			0.3	10	CHILE-ARGENTINA BORDER REGION
	13	14	28	17.9•	5.539	N	32.798	W	10	G	4.5		1.3	10	CENTRAL MID-ATLANTIC RIDGE
a	13	14	51	39.6•	41.039	S	91.206	W	10	G	5.2	4.9	1.0	30	SOUTHERN PACIFIC OCEAN
	13	15	35	00.1&	37.124	N	116.072	W	0		4.8			85	SOUTHERN NEVADA. <DOE>. ML 4.9 (BRK). 37' 07' 27.96" N., 116' 04' 19.65" W., Surface Elev. 1295 m., Depth af Burial 500 m., Shot Time 153500.108, "SCHELLBOURNE," Nevada Test Site (Dept. af Energy).
	13	16	11	03.9	19.476	N	120.102	E	12		4.4	4.1	1.2	32	PHILIPPINE ISLANDS REGION
	13	16	39	11.3	38.923	N	27.681	E	10	G			0.9	6	TURKEY
	13	20	39	36.9•	4.925	S	153.337	E	70	•	4.8		1.3	14	NEW IRELAND REGION
	13	22	00	57.0&	58.059	N	142.578	W	10	G				11	GULF OF ALASKA. <AGS-P>.
	13	22	22	16.3•	22.410	S	68.880	W	170	•			1.1	10	NORTHERN CHILE
	13	22	48	43.0	33.151	N	35.611	E	10	G			0.4	10	JORDAN - SYRIA REGION. ML 3.4 (BHL), 3.1 (JER). Felt in the Qiryat Shemana area, Israel.
	14	00	31	19.1	33.149	N	35.602	E	10	G			0.6	10	JORDAN - SYRIA REGION. MG 3.7 (HLW). Felt in the Qiryat Shemana area, Israel.
	14	00	58	07.6	25.570	N	109.700	W	10	G	4.9	4.6	1.0	55	GULF OF CALIFORNIA
	14	01	13	26.0•	50.388	N	18.883	E	10	G			0.3	5	POLAND. ML 3.1 (KRA).
	14	02	16	40.7?	34.52	N	14.63	E	10	G			0.8	13	MEDITERRANEAN SEA
	14	05	33	30.9	40.507	N	19.732	E	60	•	3.9		1.4	47	ALBANIA. MD 4.1 (ATH).
	14	07	58	15.9?	8.09	S	128.92	E	242	?			1.2	8	TIMOR SEA
	14	08	16	37.8	41.882	N	19.638	E	29		3.7		1.2	44	ALBANIA. MD 3.9 (TTG). ML 3.6 (ATH).
	14	08	22	40.3%	39.572	N	29.928	E	10	G			0.8	5	TURKEY
	14	09	02	34.9%	39.581	N	29.952	E	10	G			0.3	5	TURKEY
	14	09	46	07.5%	39.557	N	29.417	E	10	G			0.8	6	TURKEY
	14	11	11	55.0•	49.771	N	153.774	E	117	?	4.6		0.9	52	KURIL ISLANDS
	14	11	29	25.8	44.676	N	18.642	E	10	G			1.5	15	YUGOSLAVIA. ML 3.2 (TTG).
	14	11	39	02.5•	31.254	S	72.430	W	32				0.4	11	OFF COAST OF CENTRAL CHILE
	14	12	16	49.3%	39.111	N	27.619	E	10	G			0.7	5	TURKEY
	14	13	45	22.4•	31.611	S	72.021	W	15				0.9	12	OFF COAST OF CENTRAL CHILE
	14	13	48	00.6	8.623	S	120.364	E	33	N	5.2	4.5	1.2	74	FLORES ISLAND REGION
	14	15	22	55.7%	39.221	N	26.677	E	10	G			1.7	5	TURKEY
	14	15	32	37.9?	33.22	S	71.93	W	11				1.3	10	NEAR COAST OF CENTRAL CHILE
	14	17	44	01.9	9.144	S	117.204	E	96	D	4.8		1.1	44	SUMBAWA ISLAND REGION
	14	19	56	46.1•	51.555	N	16.687	E	10	G			1.6	8	POLAND. ML 3.6 (VKA), 3.3 (GRF), 3.2 (KBA).
	14	23	26	37.9&	60.030	N	152.554	W	93					18	SOUTHERN ALASKA. <AGS-P>.
	14	23	47	00.3•	7.038	S	147.331	E	33	N			0.1	5	EAST PAPUA NEW GUINEA REGION
	15	00	08	32.1&	62.262	N	151.615	W	103					12	CENTRAL ALASKA. <AGS-P>.
	15	00	23	19.3	7.260	S	128.406	E	115		5.0		1.1	47	BANDA SEA
	15	00	55	16.3•	13.582	N	125.025	E	33	N	4.6		1.0	25	PHILIPPINE ISLANDS REGION
	15	01	59	54.2•	39.338	N	22.984	E	10	G			1.4	6	GREECE. ML 2.9 (ATH).
	15	02	41	27.1?	7.84	S	130.81	E	108	?	4.5		0.9	6	TANIMBAR ISLANDS REGION
	15	05	00	13.9•	42.361	N	16.884	E	10	G			0.9	7	ADRIATIC SEA. ML 2.9 (KBA).
	15	05	47	38.2?	15.48	S	72.34	W	136	•			1.4	10	SOUTHERN PERU
	15	06	10	05.6&	45.170	N	75.580	W	7					15	SOUTHERN ONTARIO. <OTT-P>. mbLg 3.5 (OTT). Felt at Ottawa.
	15	07	32	35.8&	37.078	N	121.480	W	4					12	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
a	15	08	22	05.5	43.779	N	147.737	E	57		5.4		0.9	227	KURIL ISLANDS. Felt (IV) an Shikatan and (II) at Yuzhna-Kurilsk, Kuril Islands. Felt (II JMA) at Nemura and (I JMA) at Kushira, Hakkaido.

	15	08 52 05.1	11.207	N	139.904	E	69	•	4.3		0.9	27	WEST CAROLINE ISLANDS
	15	09 08 42.7•	31 690	S	71.421	W	110	•	5.3		1.2	22	NEAR COAST OF CENTRAL CHILE
	15	09 41 51.4&	61.601	N	150.262	W	48					26	SOUTHERN ALASKA. <AGS-P>.
	15	11 26 14.3?	32.24	S	71.92	W	33	N			0.6	12	NEAR COAST OF CENTRAL CHILE
	15	11 36 32.6	19.536	N	145.941	E	122	•	4.7		1.1	36	MARIANA ISLANDS
	15	13 49 16.4	40.754	N	29.069	E	10	G			1.1	11	TURKEY
	15	14 41 18.7•	30.543	N	102.478	E	33	N	4.6		0.9	7	SICHUAN PROVINCE, CHINA. ML 3.7 (BJI).
	15	16 11 55.0•	8.603	S	130.547	E	33	N	4.2		0.5	6	TANIMBAR ISLANDS REGION
	15	16 29 19.4	44.525	N	12.269	E	22	•			1.6	14	NORTHERN ITALY. ML 2.6 (KBA).
	15	17 30 32.4	6.151	S	147.551	E	57	•	4.9		1.2	23	EAST PAPUA NEW GUINEA REGION
	15	17 53 51.0&	34.110	N	117.470	W	9					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	15	18 12 37.6	29.282	N	142.348	E	33	N	4.5		1.0	21	SOUTH OF HONSHU, JAPAN
a	15	18 26 16.7	43.953	S	168.625	E	10		5.6	5.0	1.4	53	OFF W. COAST OF S. ISLAND, N.Z. ML 5.2 (WEL). Damage in the Queenstown-Alexandra-Dunedin area.
	15	19 40 03.1	36.450	N	71.207	E	33	N	4.5	4.2	0.9	14	AFGHANISTAN-USSR BORDER REGION
	15	20 23 05.7	29.862	N	80.479	E	26	•	4.8		1.1	66	NEPAL-INDIA BORDER REGION. Felt in western Nepal.
	15	20 31 55.4&	61.160	N	151.723	W	92					22	SOUTHERN ALASKA. <AGS-P>.
	15	22 37 36.6•	11.520	S	117.601	E	33	N	3.6		1.1	5	SOUTH OF SUMBAWA ISLAND
	15	22 49 05.6&	38.812	N	122.802	W	3					15	NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK). Ma=6.6•10••14 Nm (BRK).
	16	00 21 39.4?	40.98	N	30.67	E	10	G			1.5	5	TURKEY
	16	00 44 14.2&	59.966	N	152.719	W	99					32	SOUTHERN ALASKA. <AGS-P>.
	16	01 30 51.0•	39.507	N	120.674	W	5	G			0.9	7	NORTHERN CALIFORNIA. ML 2.6 (BRK).
	16	01 40 24.6&	58.931	N	142.382	W	10	G				18	GULF OF ALASKA. <AGS-P>.
	16	02 55 47.1•	38.938	N	15.409	E	10	G			1.3	6	SICILY
	16	04 15 29.1•	40.699	N	20.184	E	10	G			1.2	9	GREECE-ALBANIA BORDER REGION. ML 2.6 (TTG).
	16	05 02 38.6	22.341	N	121.752	E	32		4.9		1.2	44	TAIWAN REGION
	16	05 06 03.3?	17.19	N	62.42	W	10	G			1.0	5	LEEWARD ISLANDS
	16	05 07 05.1%	18.173	N	66.924	W	33	N			0.6	6	PUERTO RICO REGION
	16	05 27 42.3•	20.045	N	122.265	E	33	N	3.7		1.0	8	PHILIPPINE ISLANDS REGION
	16	06 05 44.6•	39.431	N	71.269	E	33	N	4.3		0.7	17	TAJIK SSR. Felt (V) at Dzhirgatal.
a	16	06 29 49.3	6.547	S	130.288	E	97		5.2		1.0	67	BANDA SEA
a	16	07 01 10.9	12.548	S	166.477	E	60	•	5.2		1.0	73	SANTA CRUZ ISLANDS
	16	07 01 19.3&	59.384	N	146.320	W	10	G				18	GULF OF ALASKA. <AGS-P>.
	16	07 22 37.9	25.047	N	63.531	E	33	N	4.0		1.2	8	PAKISTAN
	16	08 16 51.4?	44.26	N	147.28	E	33	N	4.3		1.7	8	KURIL ISLANDS
	16	08 37 43.7?	31.12	S	68.00	W	118	?			1.3	13	SAN JUAN PROVINCE, ARGENTINA
	16	08 42 39.9•	24.428	N	126.771	E	33	N	4.4		1.1	22	RYUKYU ISLANDS
	16	10 47 58.8%	43.100	N	18.871	E	10	G			0.5	6	YUGOSLAVIA. MG 2.3 (TTG).
	16	15 13 24.1•	5.341	S	130.146	E	222	•	4.8		0.8	12	BANDA SEA
	16	15 25 39.4&	57.416	N	143.156	W	10	G				28	GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR).
	16	15 38 36.8	38.436	N	21.894	E	10	G			1.2	9	GREECE. MD 3.8 (ATH).
	16	16 32 16.6	43.959	N	10.973	E	10	G			0.3	6	CENTRAL ITALY
	16	16 41 01.2•	9.147	S	118.130	E	33	N	4.1		0.8	8	SUMBAWA ISLAND REGION
	16	16 45 50.8&	34.030	N	116.760	W	12					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	16	16 53 01.7%	32.816	N	130.149	E	10	G			0.2	5	KYUSHU, JAPAN. Felt (II JMA) at Unzendake and (I JMA) at Nagasaki and Kumamata.
	16	16 56 26.8	11.557	N	125.829	E	33	N	4.9	4.2	1.1	40	SAMAR, PHILIPPINE ISLANDS
	16	17 40 18.5&	59.378	N	146.338	W	10		3.6			27	GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). Felt (III) on Middleton Island.
	16	18 15 56.4•	21.627	S	120.219	E	10	G			1.0	5	WESTERN AUSTRALIA
	16	21 59 59.5%	37.330	N	2.056	W	10	G			0.5	7	SPAIN. MG 3.1 (MDD). Felt (III) in the Arboleas area.
	16	22 03 40.9	38.441	N	14.779	E	10	G			1.0	13	SICILY
	16	22 24 14.8•	38.426	N	14.670	E	10	G			0.5	5	SICILY
f	16	23 07 36.6	13.941	S	166.335	E	16	G	6.0	5.7	1.1	268	VANUATU ISLANDS. Ms 6.1 (BRK). Depth from broadband displacement seismograms.
	16	23 31 14.2	37.428	N	14.477	E	10	G			1.0	23	SICILY
	16	23 32 44.9	35.842	N	28.906	E	10	G			0.7	7	EASTERN MEDITERRANEAN SEA
	16	23 50 20.0•	67.295	N	21.502	E	10	G			1.3	7	SWEDEN. ML 3.3 (UPP). Felt.
	16	23 54 24.0•	39.266	N	72.141	E	33	N	4.8		1.3	22	KIRGHIZ SSR
	17	00 33 35.0?	54.42	N	167.22	E	33	N	4.3		1.0	11	KOMANDORSKY ISLANDS REGION
	17	01 25 45.5•	31.221	S	116.456	E	10	G			0.2	5	WESTERN AUSTRALIA
	17	01 34 12.8•	45.211	N	14.641	E	10	G			0.9	10	YUGOSLAVIA. MD 3.1 (TRI). ML 2.6 (PTJ), 2.5 (KBA). Felt at Rijeka.
	17	02 45 05.0	17.453	N	93.780	W	200		4.5		0.9	69	CHIAPAS, MEXICO
	17	03 09 15.6&	40.362	N	124.255	W	22					17	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK). Felt (III) at Fortuna, Garberville, Honeydew, Laleta, Miranda, Myers Flat, Phillipsville and Rio Dell.
	17	03 11 06.7	44 435	N	148.237	E	65	•	4.6		0.7	33	KURIL ISLANDS
	17	04 51 56.9%	42.332	N	13.488	E	10	G			0.4	7	CENTRAL ITALY
	17	05 56 02.2&	43.230	N	127.500	W	12					58	OFF COAST OF OREGON. <SEA>. CL 3.0 (SEA).
	17	07 42 17.1•	7.542	S	129.023	E	169	?	4.4		1.5	9	BANDA SEA
	17	09 06 41.6•	25.968	S	179.987	E	476	•	5.0		1.2	55	SOUTH OF FIJI ISLANDS
	17	09 17 17.5%	42.153	N	13.636	E	10	G			0.5	7	CENTRAL ITALY
	17	10 41 11.4•	36.836	N	21.304	E	33	N			1.1	10	SOUTHERN GREECE. ML 3.5 (ATH).
	17	11 40 46.2•	40.621	N	41.960	E	10	G	4.4	4.0	1.4	18	TURKEY. Felt at Erzurum.
	17	12 12 16.0•	17.205	S	69.324	W	187	•			1.3	10	PERU-BOLIVIA BORDER REGION
	17	12 18 18.6%	42.559	N	24.092	E	10	G			1.6	5	BULGARIA
	17	12 44 43.6	46.359	N	13.143	E	10	G			0.7	9	AUSTRIA. MD 2.4 (TRI). ML 1.8 (KBA).
	17	13 20 20.5•	50.377	N	6.025	E	10	G			0.3	5	GERMANY
	17	13 42 58.9?	41.22	N	23.56	E	10	G			0.4	5	GREECE-BULGARIA BORDER REGION
	17	13 54 22.1	46.339	N	13.140	E	10	G			0.5	8	AUSTRIA. MD 2.7 (TRI). ML 2.2 (KBA).
a	17	14 25 53.0	11.401	S	170.658	E	30	D	5.7	6.0	1.2	200	SANTA CRUZ ISLANDS REGION. Ms 6.0 (BRK).
	17	14 30 47.2?	45.73	N	26.84	E	91	?			0.3	5	ROMANIA
	17	14 38 49.8	39.174	N	28.577	E	10	G			1.2	9	TURKEY
	17	14 58 40.4?	11.63	S	118.00	E	33	N			1.4	5	SOUTH OF SUMBAWA ISLAND
	17	15 05 17.5?	7.27	S	132.28	E	33	N	4.2		1.5	7	TANIMBAR ISLANDS REGION
	17	17 38 23.7?	14.56	N	60.07	W	15				0.5	10	WINDWARD ISLANDS. ML 2.9 (FDF).
	17	17 39 09.0•	56.337	N	162.574	E	33	N	4.2		0.6	12	NEAR EAST COAST OF KAMCHATKA
	17	17 45 34.1	0.222	S	122.982	E	122		5.0		1.0	52	MINAHASSA PENINSULA
	17	18 44 15.7?	37.25	N	27.88	E	10	G			1.5	6	TURKEY
	17	19 38 37.9&	33.240	N	116.250	W	8					18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS). Felt (III) at Warner Springs. Also felt in the Barrego Springs

														area.
	17	19	43	16.3*	32.847	S	71.434	W	23	*			1.3	11	NEAR COAST OF CENTRAL CHILE
	17	20	39	37.9	6.014	N	125.835	E	170		4	8	1.0	66	MINDANAO, PHILIPPINE ISLANDS
	17	20	59	36.7	7.526	N	82.521	W	33	N	4.8		1.2	47	SOUTH OF PANAMA. MD 4.9 (SJR), 4.5 (UPA). Felt at Puerto Armuelles.
	17	23	37	11.6*	43.243	N	25.926	E	10	G			0.7	5	BULGARIA
	18	00	50	22.5	39.274	N	22.789	E	10	G			1.2	20	GREECE. ML 3.4 (ATH).
	18	00	54	43 6*	39 428	N	22.988	E	10	G			1.2	5	GREECE. ML 3.0 (ATH).
	18	02	38	47 8*	37.376	N	15.871	E	10	G			0.9	10	SICILY. MD 2.8 (ROM).
	18	03	56	23 2&	62 583	N	151.299	W	96					20	CENTRAL ALASKA. <AGS-P>.
	18	03	57	11.3*	20.977	S	178.851	W	619	*	4.7		1.2	21	FIJI ISLANDS REGION
	18	04	17	25 9*	13 533	N	44 642	W	10	G	4.7	4.1	1.2	19	NORTH ATLANTIC RIDGE
	18	04	22	29.4*	35.870	N	13.023	E	12				0.7	14	MEDITERRANEAN SEA
	18	05	11	50.3	38.271	N	28.628	E	10	G			0.9	8	TURKEY
a	18	05	17	42.5	38.418	N	20.479	E	26		5.4		1.4	302	GREECE. ML 5.4 (ATH). MD 5.3 (TTG). Slight damage in Aitolia-Akarnania Province. Felt on Kefallinia. Also felt at Lecce, Italy.
	18	05	38	56 3	38.436	N	20.429	E	10		4.3		1.4	58	GREECE. MD 4.5 (ATH). ML 4.2 (TTG).
a	18	05	39	51 3	13.490	N	44.857	W	10	G	5.3	5.5	0.9	220	NORTH ATLANTIC RIDGE. Ms 5.5 (BRK).
	18	05	44	44.1	13.559	N	44.870	W	10	G	5.2		0.9	119	NORTH ATLANTIC RIDGE
	18	06	06	53.0	38.255	N	20.435	E	10	G			1.2	13	GREECE. ML 3.7 (ATH).
a	18	06	13	46.4	52.114	N	174.176	E	33	N	5.2	4.9	1.0	164	NEAR ISLANDS, ALEUTIAN ISLANDS. Felt (IV) on Shemya.
	18	07	10	07.6*	37.867	N	20.522	E	10	G			1.0	7	IONIAN SEA. ML 3.7 (ATH).
	18	07	24	27.3%	10.647	N	85.309	W	33	N			0.8	6	COSTA RICA. MD 4.4 (HDC).
	18	07	58	01.8	22.424	S	170.830	E	33	N	4.4	4.5	1.3	30	LOYALTY ISLANDS REGION
	18	08	00	52.7	47 812	N	139.665	E	529	*	4.5		1.0	118	NEAR E. COAST OF EASTERN USSR
	18	08	15	19.5*	4.277	S	153.337	E	113	*	4.7		1.3	15	NEW IRELAND REGION
	18	09	09	47.6	38.449	N	20.365	E	37		4.4		1.5	79	GREECE. ML 4.3 (ATH).
	18	09	24	46.3	7.482	S	126.809	E	228	*	4.9		0.9	34	BANDA SEA
	18	10	10	00.7	46.325	N	6.573	E	10	G			0.9	33	SWITZERLAND. ML 3.3 (LDG). MD 3.3 (STR).
	18	11	14	14.4*	30.520	S	116.812	E	10	G			0.5	5	WESTERN AUSTRALIA
	18	11	40	26.7*	38.198	N	20.333	E	10	G			1.6	9	GREECE. ML 3.7 (ATH).
	18	12	58	15.1*	11.125	S	119.172	E	33	N	4.2		1.4	13	SOUTH OF SUMBA ISLAND
	18	14	09	39.3*	37.949	N	20.433	E	10	G			1.0	6	IONIAN SEA. ML 3.7 (ATH).
	18	14	22	59.4	2.531	S	140.284	E	33	N	5.2		1.2	28	NEAR N. COAST OF WEST IRIAN
	18	14	32	46.0%	46.878	N	5.414	E	10	G			1.4	10	FRANCE. ML 2.8 (LDG).
	18	15	15	50.9	44.111	N	11.441	E	10	G			0.3	7	NORTHERN ITALY
	18	15	58	44.5*	41.488	N	12.998	E	10	G			0.9	10	SOUTHERN ITALY
	18	16	27	34.7?	36.86	N	71.14	E	33	N	4.6		1.1	6	AFGHANISTAN-USSR BORDER REGION
	18	17	53	58.8%	39.064	N	29.417	E	10	G			1.4	5	TURKEY
	18	18	14	26.4	39.177	N	29.435	E	10	G			1.1	9	TURKEY
	18	19	00	25.8*	3.688	S	142.955	E	33	N	4.1		1.0	6	NEAR N COAST OF PAPUA NEW GUINEA
	18	19	00	54.4?	35.80	N	13.04	E	10	G			0.7	9	MEDITERRANEAN SEA
	18	20	01	08.7*	3.715	N	127.649	E	33	N	4.8		1.3	6	TALAUD ISLANDS
	18	20	03	01.5*	38.762	N	11.762	E	10	G			0.3	8	SICILY
	18	20	16	42.7*	38.993	N	29.373	E	10	G			0.6	5	TURKEY
	18	20	25	55.2?	32.21	N	137.58	E	400	*	4.3		0.3	14	SOUTH OF HONSHU, JAPAN
	18	20	43	41.7	33.694	S	70.569	W	87	?			0.1	9	CHILE-ARGENTINA BORDER REGION
	18	21	50	15.2*	28.793	S	178.314	W	240	*	5.1		1.7	26	KERMADEC ISLANDS REGION
	18	22	14	58 5*	3.374	N	126.800	E	59	?	4.8	4.4	1.3	31	TALAUD ISLANDS
a	18	23	07	20 8	38.594	S	175.732	E	165		4.9		1.4	37	NORTH ISLAND, NEW ZEALAND Felt at Gisborne, Napier, Palmerston North, Taupo, Wanganui and Wellington.
	18	23	32	40.8*	8.807	S	128.546	E	33	N	4.5		1.1	8	TIMOR SEA
	19	00	29	34.3*	38.315	N	21.567	E	10	G			0.7	9	GREECE. ML 3.7 (ATH).
	19	00	53	54.0	38.361	N	20.444	E	14		3.6		1.0	38	GREECE. ML 3.8 (ATH).
	19	02	08	38.4?	15.32	N	60.81	W	33	N			1.1	9	LEEWARD ISLANDS. ML 3.2 (FDF).
	19	03	04	26.0	3.480	N	126.990	E	39	*	5.3	5.0	1.3	68	TALAUD ISLANDS
	19	03	10	21.3*	9.409	S	148.911	E	33	N	5.7		0.8	30	EAST PAPUA NEW GUINEA REGION
	19	03	22	32.1	20 593	S	173.124	W	33	N	5.5	5.1	1.1	116	TONGA ISLANDS
	19	03	38	01.7?	22.92	N	121.22	E	33	N			1.6	6	TAIWAN REGION
	19	04	16	53.1	38.253	N	20.435	E	13		4.1		1.3	46	GREECE. ML 4.0 (ATH), 3 7 (TTG).
	19	04	56	00.6	28.065	N	142.603	E	33	N	4 7		1.2	58	BONIN ISLANDS REGION
	19	07	39	21.2&	61.401	N	151.628	W	93					31	SOUTHERN ALASKA. <AGS-P>.
	19	08	01	06 6	30.740	N	50.040	E	50	*	4.4		1.1	18	IRAN
	19	09	26	03.4	42.261	N	16.717	E	10	G			1.1	26	ADRIATIC SEA. ML 3.4 (TTG), 3.0 (KBA).
	19	09	54	18.8*	2.514	N	82.883	W	10	G	4.3	3.6	1.3	14	SOUTH OF PANAMA
o	19	10	46	04.2	2.508	N	82.935	W	10	G	5.0	4.4	1.2	80	SOUTH OF PANAMA
	19	12	32	20 6	49 117	N	6.911	E	10	G			1.2	10	GERMANY. MD 2.1 (STR).
	19	12	59	54.8*	43.584	N	11.111	E	10	G			0.3	6	CENTRAL ITALY
	19	14	10	19.9	12.755	N	88 754	W	57	*	5.0	4 1	1.1	59	OFF COAST OF CENTRAL AMERICA
	19	14	33	36.8?	21.18	S	179.44	W	676	?	4.8		0.4	22	FIJI ISLANDS REGION
	19	16	28	43.5	7.183	S	124.765	E	554	*	5.2		1.0	25	BANDA SEA
	19	17	32	51.8*	37.065	N	140.567	E	98		4.4		0.8	16	HONSHU, JAPAN. Felt (II JMA) at Utsunamiya and (I JMA) in the Mito-Onahama-Fukushimo area.
	19	17	51	57.8%	38.038	N	28.905	E	10	G			0.5	5	TURKEY
	19	18	05	27.2%	48.047	N	0.379	W	10	G			0.1	5	FRANCE. ML 2.4 (LDG).
	19	18	17	30.8	23.532	N	121.393	E	10	G	4.5		1.1	17	TAIWAN
	19	20	46	13.6*	18.144	S	69.818	W	143	*			1.0	11	NORTHERN CHILE
	19	21	12	28.9	16.814	N	61.147	W	57		4	9	0.8	110	LEEWARD ISLANDS. MD 5.1 (TRN). Felt (V) on Antigua, (III) on Guadeloupe and (II) on Martinique.
	19	21	16	29.9*	39.513	N	1.047	W	10	G			1.4	8	SPAIN. MG 3.2 (MDD). Felt (III) in the Requena area.
	19	21	52	44.2*	36.946	N	71.255	E	33	N	4.0		1.3	5	AFGHANISTAN-USSR BORDER REGION
	19	22	28	24.7	14.629	N	90.518	W	10	G			0.3	11	GUATEMALA. MG 3.7 (GCG). Felt (IV) at Guatemala City.
	19	23	40	58.3	38.775	N	26.218	E	28		3.8		1.2	32	AEGEAN SEA. ML 3.5 (ATH).
	20	00	20	51.2*	38.943	N	27.767	E	10	G			0.4	5	TURKEY
	20	00	38	41.4*	38.215	N	20.389	E	10	G			1.5	6	GREECE. MD 3.5 (ATH).
	20	01	23	48.8*	10.161	N	121.820	E	33	N	4.6		1.6	7	PANAY, PHILIPPINE ISLANDS
	20	02	16	08.8&	60.463	N	152.004	W	73					21	SOUTHERN ALASKA. <AGS-P>.
	20	02	19	15.6*	43.001	N	1.908	W	10	G			0.9	11	PYRENEES ML 3.0 (LDG)
a	20	03	19	54.1	17.473	S	69.470	W	125	D	5.5		1.0	245	PERU-BOLIVIA BORDER REGION. Felt (VI) at Arica, Chile. Felt (III) at Arequipa and Tacna, Peru.
	20	03	35	20.5*	39.978	S	176.833	E	22		4.8	5.1	1.8	27	NORTH ISLAND, NEW ZEALAND Felt at Hastings, Ormondville, Waipukurau and Wellington.

	20	04	19	00.3•	38.866	N	26.364	E	10	G			1.3	5	AEGEAN SEA
	20	05	44	13.0%	16.093	N	61.258	W	10	G			1.2	11	LEEWARD ISLANDS. ML 2.7 (FDF).
	20	05	50	31.4?	35.53	S	70.75	W	111	•			1.3	19	CHILE-ARGENTINA BORDER REGION
	20	05	55	56.8	36.118	N	70.238	E	149	D	4.7		1.1	57	HINDU KUSH REGION. Felt (II) at Khorog, USSR.
	20	08	21	03.6%	39.139	N	27.605	E	10	G			0.5	5	TURKEY
	20	09	07	04.7•	23.475	N	121.618	E	10	G	4.2		1.3	17	TAIWAN
	20	09	15	01.3%	39.583	N	29.442	E	10	G			0.5	5	TURKEY
a	20	09	17	27.1	15.241	S	173.892	W	101	D	5.5		1.3	155	TONGA ISLANDS
	20	09	22	59.7&	61.453	N	149.878	W	58					25	SOUTHERN ALASKA. <AGS-P>.
	20	09	30	35.3%	39.638	N	29.309	E	10	G			0.6	5	TURKEY
	20	09	52	40.9%	39.074	N	27.617	E	10	G			0.2	5	TURKEY
	20	09	58	38.0?	43.79	N	24.81	E	10	G			1.2	5	BULGARIA
o	20	10	18	01.2	0.493	S	91.668	W	10	G	5.3		1.0	131	GALAPAGOS ISLANDS
	20	11	36	59.9%	42.855	N	23.946	E	10	G			0.8	5	BULGARIA
	20	13	26	39.2%	14.615	N	90.561	W	33	N			0.8	8	GUATEMALA. MG 2.7 (GCG).
	20	13	39	18.0%	41.923	N	12.652	E	10	G			0.8	9	SOUTHERN ITALY
f	20	14	58	43.5	8.116	N	38.413	W	10	G	5.8	5.9	1.1	348	CENTRAL MID-ATLANTIC RIDGE
	20	15	05	53.2&	45.064	N	128.641	W	5					48	OFF COAST OF OREGON. <SEA>. CL 3.6 (SEA).
	20	16	18	06.1?	40.29	N	71.57	E	33	N	4.2		1.4	8	TAJIK SSR. Felt (V) in the epicentral oreo, (IV) ot Ordzhonikidzeobod ond (III) at Yavan ond Dushanbe.
	20	17	29	09.1	24.017	N	122.562	E	45	•	4.2		1.1	20	TAIWAN REGION
	20	18	23	43.8&	57.435	N	142.835	W	10	G				23	GULF OF ALASKA. <AGS-P>.
	20	18	48	44.8	38.286	N	20.439	E	22		3.6		1.1	25	GREECE. ML 3.8 (ATH).
	20	18	49	51.4?	37.13	N	27.62	E	10	G			1.1	8	TURKEY
	20	19	42	45.3•	23.532	N	121.405	E	11		4.2		1.5	24	TAIWAN
	20	20	55	14.0&	40.138	N	111.029	W	7					6	UTAH. <SLC-P>. ML 2.6 (SLC).
	20	20	59	03.9•	7.345	S	146.230	E	175	•	4.3		1.3	13	EAST PAPUA NEW GUINEA REGION
	20	22	49	58.2%	48.232	N	0.297	W	10	G			0.5	10	FRANCE. ML 3.0 (LDG).
	20	23	06	22.6	37.288	N	92.770	W	5	G			0.5	20	MISSOURI. mbLg 3.3 (TUL).
	20	23	29	46.1&	36.745	N	121.468	W	6					12	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
a	21	00	08	24.8	1.131	S	98.223	E	28	D	5.1	5.3	1.2	85	SOUTHERN SUMATERA
	21	00	17	03.1•	15.140	S	167.069	E	136	•	5.0		1.1	28	VANUATU ISLANDS
	21	00	17	13.5•	23.959	N	123.870	E	33	N	4.3	5.3	0.6	15	SOUTHWESTERN RYUKYU ISLANDS
	21	00	25	40.3%	39.376	N	27.857	E	10	G			0.7	9	TURKEY
	21	01	44	02.3•	1.521	S	77.725	W	182	•	3.7		1.1	13	ECUADOR
	21	04	20	24.5%	17.914	N	66.030	W	10	G			0.8	5	PUERTO RICO REGION
	21	04	53	42.8&	60.104	N	153.136	W	118					23	SOUTHERN ALASKA. <AGS-P>.
	21	05	10	15.8•	38.154	N	20.370	E	10	G	3.7		1.1	12	GREECE. ML 3.7 (ATH).
	21	05	24	17.5•	32.870	S	72.181	W	33	•	4.5		0.8	15	OFF COAST OF CENTRAL CHILE
	21	05	32	05.2	28.298	S	67.287	W	138	D	4.7		1.0	34	LA RIOJA PROVINCE, ARGENTINA
	21	07	11	59.9%	14.584	N	90.539	W	10	G			0.2	7	GUATEMALA. MG 3.0 (GCG).
	21	07	36	46.4%	14.527	N	90.586	W	10	G			0.2	7	GUATEMALA. MG 2.7 (GCG).
	21	08	17	40.1%	17.895	N	66.038	W	10	G			0.6	6	PUERTO RICO REGION
	21	08	43	32.0•	38.733	N	27.092	E	10	G			0.8	5	TURKEY
	21	10	24	16.7%	14.547	N	90.571	W	10	G			0.2	7	GUATEMALA. MG 2.8 (GCG).
	21	10	53	32.1%	39.583	N	29.382	E	10	G			0.8	6	TURKEY
	21	11	08	23.1%	39.620	N	29.319	E	10	G			0.7	6	TURKEY
	21	11	22	08.0%	14.528	N	90.586	W	10	G			0.1	6	GUATEMALA. MG 2.7 (GCG).
	21	11	24	20.7%	39.638	N	29.360	E	10	G			0.4	5	TURKEY
	21	11	26	39.6%	14.567	N	90.556	W	10	G			0.3	6	GUATEMALA. MG 3.0 (GCG).
	21	12	03	16.7	38.392	N	20.455	E	10	G	3.8		1.0	11	GREECE. ML 3.7 (ATH).
	21	12	27	46.2%	14.569	N	90.558	W	10	G			0.4	9	GUATEMALA. MG 2.8 (GCG).
	21	12	28	46.1%	14.553	N	90.551	W	10	G			0.3	8	GUATEMALA. MG 2.8 (GCG).
	21	12	54	33.1?	18.24	N	67.41	W	33	N			0.2	5	MONA PASSAGE
	21	13	12	55.1%	14.555	N	90.537	W	10	G			0.5	9	GUATEMALA. MG 2.9 (GCG).
	21	14	01	31.8%	14.560	N	90.558	W	10	G			0.3	9	GUATEMALA. MG 3.1 (GCG).
	21	14	12	53.6%	14.564	N	90.545	W	10	G			0.3	9	GUATEMALA. MG 3.1 (GCG).
	21	14	25	49.4%	14.505	N	90.601	W	10	G			0.2	5	GUATEMALA. MG 2.6 (GCG).
o	21	14	28	39.7	32.833	S	71.704	W	42		5.5	5.7	1.2	121	NEAR COAST OF CENTRAL CHILE. Felt (V) in the Volporoiso oreo ond (IV) in the Sontiogo oreo.
	21	14	33	36.2	38.220	N	20.431	E	16	•			0.8	11	GREECE. ML 3.5 (ATH).
	21	14	44	25.8?	32.92	S	72.36	W	33	N			0.6	8	OFF COAST OF CENTRAL CHILE
	21	14	48	42.8%	14.569	N	90.549	W	10	G			0.2	9	GUATEMALA. MG 2.6 (GCG).
	21	14	54	31.5•	33.043	S	72.112	W	14				0.4	9	OFF COAST OF CENTRAL CHILE
	21	15	01	08.4?	33.04	S	72.32	W	33	N			0.4	8	OFF COAST OF CENTRAL CHILE
	21	15	07	28.1•	33.281	S	71.471	W	10	G			0.6	7	NEAR COAST OF CENTRAL CHILE
	21	15	15	40.8%	14.564	N	90.551	W	10	G			0.3	10	GUATEMALA. MG 1.4 (GCG).
o	21	15	15	43.5	0.788	N	30.317	W	10	G	5.5	5.6	0.9	238	CENTRAL MID-ATLANTIC RIDGE
	21	15	16	22.5•	20.366	S	173.632	W	47	?	5.2	5.7	1.4	60	TONGA ISLANDS
	21	15	20	57.7•	14.736	S	71.999	W	33	N			0.2	5	PERU
	21	15	33	33.6	3.716	S	151.443	E	10	G	4.8		1.0	25	NEW IRELAND REGION. Felt (III) at Roboul, New Britain.
	21	15	42	16.6?	33.16	S	71.89	W	10	G			0.2	6	NEAR COAST OF CENTRAL CHILE
	21	16	16	11.2%	14.579	N	90.555	W	10	G			0.2	8	GUATEMALA. MG 3.5 (GCG).
	21	16	20	33.9%	14 570	N	90.564	W	10	G			0.3	9	GUATEMALA. MG 2.7 (GCG).
	21	16	33	52.3?	33.14	S	71.88	W	10	G			0.2	7	NEAR COAST OF CENTRAL CHILE
	21	17	17	11.5?	33.16	S	71.84	W	10	G			0.4	8	NEAR COAST OF CENTRAL CHILE
	21	17	35	53.2&	60.530	N	152.160	W	93					21	SOUTHERN ALASKA. <AGS-P>.
	21	17	52	03.2?	33.24	S	71.70	W	10	G			0.5	7	NEAR COAST OF CENTRAL CHILE
	21	17	57	38.3?	9.86	S	127.48	E	33	N	4.5		0.2	5	TIMOR SEA
	21	18	21	07.4%	14.569	N	90 552	W	10	G			0.2	9	GUATEMALA. MG 3.3 (GCG).
	21	18	31	47.6	14.582	N	90.552	W	10	G			0.7	9	GUATEMALA. MG 3.5 (GCG).
	21	19	00	43.6•	6.123	S	148.653	E	64	•	4.3		1.4	10	NEW BRITAIN REGION
	21	19	30	14.7•	33.066	S	71.958	W	53	•			0.9	17	NEAR COAST OF CENTRAL CHILE
	21	19	34	28.2	33.071	S	71.802	W	49	•	4.6		0.9	24	NEAR COAST OF CENTRAL CHILE
	21	19	39	14.0	5.369	S	148.190	E	261		5.0		0.9	25	NEW BRITAIN REGION
	21	19	43	35.8%	46.866	N	8.587	E	10	G			0 5	6	SWITZERLAND
	21	19	47	50.8?	33.19	S	71 81	W	10	G			0.2	8	NEAR COAST OF CENTRAL CHILE
	21	19	56	59.3•	33.039	S	72 156	W	10	G			0.8	10	OFF COAST OF CENTRAL CHILE
	21	20	23	37.6?	33.23	S	71.83	W	10	G			0.4	8	NEAR COAST OF CENTRAL CHILE
a	21	20	26	56.1	5.937	S	148 662	E	77		5.3		1.2	85	NEW BRITAIN REGION
	21	21	07	52.4?	33.17	S	71.88	W	10	G			0.3	7	NEAR COAST OF CENTRAL CHILE
	21	21	28	45.9	63.312	N	150.589	W	133		4.3		1.0	36	CENTRAL ALASKA. Felt (II) at Palmer.
	21	21	40	43.1?	17.35	S	69.51	W	177	•			0.4	7	PERU-BOLIVIA BORDER REGION

	21	22 04 55.7%	14.558	N	90.556	W	10	G		0.3	10	GUATEMALA. MG 3.1 (GCG).
	21	22 06 52.1*	3.550	S	151.630	E	10	G	4.5	1.1	11	NEW IRELAND REGION
a	21	22 11 20.1	3.716	S	151.387	E	17	*	5.2 4.9	1.1	65	NEW IRELAND REGION. Felt (III) at Rabaul, New Britain.
	21	22 30 00.1&	37.032	N	115.987	W	0		4.3		38	SOUTHERN NEVADA. <DOE>. ML 4.2 (BRK). 37° 01' 56.95" N., 115° 59' 14.29" W., Surface Elev. 1247 m., Depth of Burial 400 m., Shot Time 223000.141, "LAREDO," Nevada Test Site (Dept. of Energy).
	21	22 42 41.1?	33.03	S	72.24	W	33	N		0.4	8	OFF COAST OF CENTRAL CHILE
	21	23 00 10.0%	14.567	N	90.550	W	10	G		0.2	8	GUATEMALA. MG 2.5 (GCG).
	21	23 10 04.5	38.839	N	26.796	E	10	G		0.6	14	AEGEAN SEA
	21	23 14 01.6*	33.196	S	71.962	W	56	*		0.8	15	NEAR COAST OF CENTRAL CHILE
	21	23 26 18.0	46.287	N	6.595	E	10	G		1.2	16	SWITZERLAND. ML 2.8 (LDG).
	21	23 28 02.2	5.329	S	151.777	E	56	*	4.6	1.3	22	NEW BRITAIN REGION
	21	23 46 32.5%	18.493	N	66.377	W	33	N		0.6	5	PUERTO RICO REGION
	21	23 46 35.0%	14.568	N	90.549	W	10	G		0.4	6	GUATEMALA. MG 2.6 (GCG).
	21	23 52 46.2	38.388	N	20.456	E	10		3.5	1.0	20	GREECE. ML 3.8 (ATH).
	21	23 52 52.2	62.998	N	150.939	W	118	D	4.5	0.9	30	CENTRAL ALASKA
	21	23 59 58.5?	13.58	N	125.39	E	33	N	4.5	1.0	9	PHILIPPINE ISLANDS REGION
	22	00 43 40.4?	40.38	N	124.07	W	10	G		0.3	6	NEAR COAST OF NORTHERN CALIF. ML 2.6 (BRK).
	22	02 43 36.7%	14.571	N	90.545	W	10	G		0.1	8	GUATEMALA. MG 2.5 (GCG).
	22	03 44 15.3	38.409	N	20.464	E	23		5.0	1.2	233	GREECE. ML 5.0 (ATH), 5.0 (TTG). Felt strongly on Kefallinia. A landslide occurred near Argostolion. Also felt on Ithaki and Zakinthos.
	22	04 05 22.9*	19.443	N	64.441	W	33	N		0.6	13	VIRGIN ISLANDS. ML 4.4 (FDF).
	22	04 11 19.2?	16.03	N	60.33	W	26	?		0.1	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	22	04 33 47.5*	38.382	N	20.553	E	10	G		1.1	7	GREECE. MD 3.5 (ATH).
	22	05 17 10.6&	62.831	N	150.912	W	138				21	CENTRAL ALASKA. <AGS-P>.
	22	06 15 22.4?	16.31	N	101.73	W	33	N	4.1	1.1	13	NEAR COAST OF GUERRERO, MEXICO
	22	06 17 27.6&	57.229	N	154.454	W	88				21	KODIAK ISLAND REGION. <AGS-P>.
	22	07 10 29.1&	58.365	N	153.774	W	91				20	KODIAK ISLAND REGION. <AGS-P>.
	22	07 12 39.9%	14.561	N	90.555	W	10	G		0.5	9	GUATEMALA. MG 3.5 (GCG).
	22	07 13 31.2?	38.56	N	15.79	E	136	?		1.2	11	SICILY
	22	07 13 59.2%	14.586	N	90.535	W	10	G		0.3	7	GUATEMALA. MG 2.7 (GCG).
	22	07 17 25.7%	14.564	N	90.560	W	10	G		0.2	7	GUATEMALA. MG 2.5 (GCG).
	22	07 18 59.4%	40.689	N	29.020	E	10	G		0.7	6	TURKEY
	22	09 23 32.2	16.881	N	93.643	W	167	D	4.5	1.3	55	CHIAPAS, MEXICO
a	22	09 39 55.9	53.619	N	163.267	W	33	N	5.7 5.7	1.0	309	UNIMAK ISLAND REGION. ML 5.7 (PMR), Ms 5.5 (BRK), 5.4 (PAS).
	22	10 35 52.5	31.247	S	68.824	W	117		4.7	0.8	24	SAN JUAN PROVINCE, ARGENTINA. Felt (III) at San Juan.
	22	10 57 17.3*	14.526	N	90.583	W	10	G		0.0	6	GUATEMALA. MG 2.6 (GCG).
	22	11 21 18.6%	39.604	N	29.445	E	10	G		0.4	6	TURKEY
	22	11 25 53.9%	39.550	N	29.384	E	10	G		1.1	5	TURKEY
	22	11 38 09.1	53.569	N	163.208	W	33	N	4.5	1.0	35	UNIMAK ISLAND REGION
	22	12 10 55.4	44.501	N	10.699	E	10	G		1.1	8	NORTHERN ITALY. ML 2.3 (KBA).
a	22	12 47 25.8	17.376	S	69.381	W	170	D	5.3	1.0	176	PERU-BOLIVIA BORDER REGION
	22	13 30 23.7%	41.938	N	24.522	E	10	G		1.2	6	GREECE-BULGARIA BORDER REGION
	22	13 33 03.5	44.547	N	10.694	E	10	G		1.3	10	NORTHERN ITALY. ML 2.6 (KBA).
	22	13 37 49.6*	53.436	N	163.268	W	33	N	4.5	1.0	19	UNIMAK ISLAND REGION
	22	13 43 55.4*	23.516	N	121.393	E	10	G		1.2	7	TAIWAN
	22	14 00 04.6	38.976	N	8.882	W	10	G	3.7	1.2	15	PORTUGAL. MG 3.9 (MDD).
	22	14 35 20.7*	32.762	S	71.131	W	62	*		1.0	13	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Valparaiso.
	22	14 40 16.5%	16.744	N	61.944	W	33	N		1.2	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	22	16 07 01.3	43.614	N	7.776	E	10	G		0.2	9	NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG). MD 2.8 (STR).
	22	19 10 47.9&	39.889	N	114.183	W	5				11	NEVADA. <SLC-P>. ML 3.6 (SLC).
a	22	19 18 47.6&	62 198	N	124.189	W	10	G	5.2 4.2		234	NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 5.1 (PGC). Felt at Fort Simpson.
	22	19 22 44.7	36.941	N	113.097	W	5	G		1.2	11	WESTERN ARIZONA. ML 3.0 (NEIS). Felt (III) at Virgin, Utah.
	22	19 42 07.3	14.527	N	90.586	W	10	G	4.4	1.3	14	GUATEMALA. Felt (V) at Guatemala City.
	22	19 44 48.9	14.527	N	90.585	W	16	*	4.6	0.9	21	GUATEMALA. Slight damage (V) in the southern port of Guatemala City. Small landslides occurred in the area.
	22	19 48 04.7%	14.548	N	90.513	W	10	G		0.4	5	GUATEMALA. MG 2.7 (GCG).
	22	20 45 08.8*	44.510	N	10.752	E	10	G		0.9	5	NORTHERN ITALY. ML 2.2 (KBA).
	22	22 08 28.8%	14.552	N	90.554	W	10	G		0.2	6	GUATEMALA. MG 2.6 (GCG).
	22	22 09 11.1%	14.570	N	90.550	W	10	G		0.3	8	GUATEMALA. MG 2.8 (GCG).
	22	22 35 25.9%	14.558	N	90.550	W	10	G		0.4	6	GUATEMALA. MG 2.4 (GCG).
	22	22 47 22.3	38.438	N	20.504	E	10	G	4.0	1.3	44	GREECE. ML 4.1 (ATH), 4.1 (TTG).
	22	22 50 39.0%	14.561	N	90.557	W	10	G		0.3	8	GUATEMALA. MG 3.2 (GCG).
	22	23 29 34.6	51.209	N	175.404	W	33	N	4.8	0.9	69	ANDREANOF ISLANDS, ALEUTIAN IS.
	22	23 31 03.3	44.561	N	12.422	E	10	G		1.0	10	NORTHERN ITALY. ML 2.8 (KBA).
	22	23 34 39.3*	51.362	N	175.508	W	33	N	4.4	0.9	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	22	23 41 20.5%	14.558	N	90.559	W	10	G		0.2	8	GUATEMALA. MG 2.5 (GCG).
	22	23 51 38.7%	14.698	N	90.780	W	10	G		1.0	6	GUATEMALA. MG 2.8 (GCG)
	22	23 55 31.4?	30.83	S	178.97	W	412	?	4.6	0.8	12	KERMADEC ISLANDS
	23	00 00 12.9%	14.560	N	90 546	W	10	G		0.3	6	GUATEMALA. MG 2.7 (GCG).
a	23	00 28 04.8	28.439	S	68.634	W	117	D	5.6	0.9	184	LA RIOJA PROVINCE, ARGENTINA
	23	01 08 07.5?	5.94	S	130.30	E	33	N	4.3	0.4	6	BANDA SEA
	23	01 16 15.6%	14.534	N	90.553	W	10	G		0.2	7	GUATEMALA. MG 2.2 (GCG).
	23	01 33 06.4	14.550	N	90.551	W	10	G		0.3	9	GUATEMALA. MG 3.2 (GCG).
	23	02 10 14.3*	14.538	N	90.563	W	10	G		0.3	6	GUATEMALA. MG 3.3 (GCG).
	23	02 12 51.4	14.537	N	90.540	W	10	G		1.3	8	GUATEMALA. MG 2.7 (GCG).
	23	02 55 46.3&	60.926	N	151.738	W	83				33	KENAI PENINSULA, ALASKA. <AGS-P>.
	23	03 12 26.3%	40.479	N	122.136	E	33	N		1.6	5	NORTHEASTERN CHINA. ML 4.4 (BJI).
	23	03 13 12.5%	14.530	N	90.578	W	10	G		0.4	7	GUATEMALA. MG 2.7 (GCG).
	23	05 23 48.9&	32.720	N	116.000	W	3				10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	23	05 33 56.1&	61.556	N	150.691	W	72				25	SOUTHERN ALASKA. <AGS-P>.
	23	05 43 19.3	14.540	N	90 545	W	10	G		0.5	8	GUATEMALA. MG 2.9 (GCG).
	23	05 47 27.6	35 415	N	26.463	E	10	G	3.8	0.3	7	CRETE
	23	05 59 49.7*	43.366	N	15.052	E	10	G		1.3	6	ADRIATIC SEA. MD 3.2 (TRI). ML 2.9 (KBA), 2.9 (PTJ).
	23	06 10 01.3	37.915	N	29.146	E	10	G		1.0	8	TURKEY
	23	06 13 34.0	56.620	N	4.458	W	10	G		0.3	6	UNITED KINGDOM. ML 2.6 (BGS).
	23	06 14 26.5%	14.549	N	90.564	W	10	G		0.3	7	GUATEMALA. MG 2.7 (GCG).
	23	06 21 41.7%	37.932	N	29.228	E	10	G		0.3	5	TURKEY

	23	06	38	38.3	14	513	N	90.575	W	10	G		1.3	8	GUATEMALA. MG 3.1 (GCG).
	23	07	04	08.7	38	308	N	20.472	E	10	G	3.5	1.4	13	GREECE. ML 3.7 (ATH).
	23	07	28	14.3?	17	98	S	71.25	W	33	N		0.4	5	NEAR COAST OF PERU
	23	07	38	15.4%	37	914	N	29.147	E	10	G		0.8	9	TURKEY
	23	07	46	00 7	22	341	S	179.860	W	571		4.9	0.9	55	SOUTH OF FIJI ISLANDS
	23	08	33	44.1	39	296	N	28.089	E	10	G		1.1	7	TURKEY
	23	09	05	02.8	14	539	N	90.560	W	10	G		0.4	10	GUATEMALA. MG 3.4 (GCG).
	23	09	11	09.6	14	542	N	90.546	W	10	G		0.6	7	GUATEMALA. MG 2.9 (GCG).
	23	09	26	40.6	42	446	N	21.882	E	10	G		1.0	11	YUGOSLAVIA. ML 3.3 (SKO). 2.6 (TTG). Felt (IV) in the Vranje-Bujanovac area.
	23	10	21	45.6	35	011	N	26.707	E	43	?	3.8	1.1	17	CRETE. ML 4.1 (ATH).
	23	10	32	10.3*	22	288	S	179.878	W	574		4.7	1.1	28	SOUTH OF FIJI ISLANDS
	23	10	36	46.1%	38	499	N	28.677	E	10	G		1.5	7	TURKEY
	23	10	39	52.4*	42	871	N	0.497	E	10	G		1.4	6	PYRENEES. ML 3.2 (LDG).
	23	14	02	28.1*	21	705	N	142.999	E	317	*	4.6	0.7	19	MARIANA ISLANDS REGION
	23	15	01	16.7	14	531	N	90.549	W	10	G		0.4	9	GUATEMALA. MG 3.0 (GCG).
	23	15	26	30.7*	8	501	N	83.219	W	33	N		0.9	18	COSTA RICA. MD 4.3 (HDC), 4.0 (SJR). Felt (II) at Golfito and Puerto Jimenez. Also felt at Ciudad Neilly, Ciudad Cortes and Laurel.
	23	15	40	18.1*	24	492	S	66 327	W	33	N		0.9	5	SALTA PROVINCE, ARGENTINA
	23	15	44	33.6%	41	092	N	28.492	E	10	G		0.8	7	TURKEY
	23	16	39	59.4*	22	188	S	179.664	W	590	*	5.0	1.0	25	SOUTH OF FIJI ISLANDS
	23	17	21	28.8%	14	562	N	90.546	W	10	G		0.4	8	GUATEMALA. MG 3.0 (GCG).
	23	17	35	53.3%	14	535	N	90.547	W	10	G		0.3	7	GUATEMALA. MG 2.6 (GCG).
	23	18	51	03.9	52	487	N	158.886	E	33	N	5.0 4.1	0.8	106	NEAR EAST COAST OF KAMCHATKA
	23	19	35	34.6&	62	736	N	149.651	W	3		3.9		36	CENTRAL ALASKA. <AGS-P>. ML 4.0 (PMR).
	23	20	51	48.0?	17	38	S	178.60	W	652	*	4.4	0.8	8	FIJI ISLANDS REGION
	23	21	18	01.8*	37	499	N	71.661	E	33	N	4.7	1.5	7	AFGHANISTAN-USSR BORDER REGION
	23	21	52	37.4	14	544	N	90.511	W	10	G		1.5	11	GUATEMALA. MG 3.2 (GCG).
	23	21	54	34.4%	14	580	N	90.549	W	10	G		0.4	6	GUATEMALA. MG 2.5 (GCG).
	23	21	56	07.0	46	704	N	9.687	E	10	G		1.2	10	SWITZERLAND
a	23	22	54	27.8	10	487	S	152.292	E	29	D	5.4 4.8	0 8	99	DENTRECASTEAUX ISLANDS REGION
	23	23	39	44.6	38	421	N	20.457	E	10	G	3.7	1.3	26	GREECE. ML 3.9 (ATH).
	24	03	20	13.3&	58	980	N	153.145	W	79				28	KODIAK ISLAND REGION. <AGS-P>.
	24	04	00	13.3%	40	073	N	29.312	E	10	G		0.7	9	TURKEY
	24	04	18	48.5%	14	561	N	90.534	W	10	G		0.7	7	GUATEMALA MG 2.7 (GCG). Felt at Guotemala City.
	24	04	42	20.3	38	490	N	3.410	W	10	G		1.3	20	SPAIN. MG 3.8 (MDD). Felt (III) in the Aldeaquemada oreo.
	24	04	59	39.2*	34	072	S	179.618	E	50	?	5.2 4.2	1.0	32	SOUTH OF KERMADEC ISLANDS
	24	05	04	23.0?	19	09	N	65.33	W	10	G		0.1	5	PUERTO RICO REGION
	24	05	27	53.8	40	872	N	19.825	E	10	G		1.1	17	ALBANIA. MD 3 6 (ATH), 3.2 (TTG)
	24	05	52	45.9?	21	13	S	177.86	W	392	?	4.6	1.1	23	FIJI ISLANDS REGION
	24	06	16	44.9	41	313	N	21.082	E	10	G		1.0	12	YUGOSLAVIA. ML 3.5 (SKO), 3.1 (TTG). Felt (IV) in the Kicovo orea.
	24	06	33	05.2?	18	94	N	65.00	W	10	G		0.2	6	PUERTO RICO REGION
	24	06	50	41.0*	7	613	S	119.330	E	280	*	4.7	1.2	15	FLORES SEA
	24	07	42	30.8	19	163	N	64.434	W	33	N		0.6	15	VIRGIN ISLANDS. ML 4.5 (FDF).
	24	07	55	26.7&	34	000	N	116.780	W	15				19	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt (IV) at Idyllwild and Mountain Center; (III) at Cabazon, Desert Hot Springs, Fownskin, Palm Desert and Thousand Palms.
	24	08	13	41.2?	27	85	N	56.54	E	33	N	4.3	0.6	10	SOUTHERN IRAN
	24	08	19	37.6	43	204	N	20.963	E	10	G		1.1	13	YUGOSLAVIA. ML 2.9 (TTG).
	24	08	50	39.5%	38	492	N	29.333	E	10	G		1.5	5	TURKEY
	24	08	58	15.6*	39	131	N	27.570	E	10	G		1.2	5	TURKEY
	24	09	03	49.0*	19	473	N	64.375	W	33	N		0.6	13	VIRGIN ISLANDS. ML 4.1 (FDF).
	24	09	11	14.8%	16	883	N	61.942	W	10	G		1.1	6	LEEWARD ISLANDS. ML 4.2 (FDF).
	24	09	20	00.8&	57	849	N	142.756	W	10	G			33	GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR).
	24	09	34	01.5%	39	472	N	29.443	E	10	G		1.0	5	TURKEY
	24	09	44	56.4%	39	237	N	27.776	E	10	G		1.3	5	TURKEY
	24	09	51	22.5?	18	49	N	65.68	W	33	N		0.2	7	PUERTO RICO REGION
	24	10	01	08.1*	19	150	N	64.440	W	33	N		0.4	11	VIRGIN ISLANDS
	24	11	09	26.5*	19	188	N	64.481	W	33	N		0.7	12	VIRGIN ISLANDS
	24	11	20	20.4&	61	149	N	152.138	W	101				30	SOUTHERN ALASKA. <AGS-P>.
	24	14	16	06.7	36	077	N	28.135	E	32		4.2 3.2	1.5	49	DODECANESE ISLANDS. ML 4.4 (ATH).
	24	14	22	22.2*	26	665	S	67.448	W	33	N	4.6	1.2	9	CATAMARCA PROVINCE, ARGENTINA
	24	15	12	16.1?	36	06	N	114.96	W	5	G		0.0	6	SOUTHERN NEVADA. ML 2.5 (NEIS). Felt at Boulder City, Nevada.
	24	15	39	25.0*	27	482	N	100.853	E	33	N	4.3	1.3	10	YUNNAN PROVINCE, CHINA. ML 4.1 (BJI).
	24	19	30	32.4*	51	138	N	15.960	E	10	G		0.4	6	POLAND. ML 3.2 (VKA).
	24	19	44	43.7*	47	812	N	149.218	E	331	?	4.0	1.0	12	NORTHWEST OF KURIL ISLANDS
	24	20	02	18.5?	35	26	N	140.17	E	71	*	4.1	0.7	7	NEAR EAST COAST OF HONSHU, JAPAN
	24	20	11	13.9?	23	27	S	178.90	W	521	?	4.1	1.2	10	SOUTH OF FIJI ISLANDS
	24	20	21	03.8&	36	593	N	121.252	W	6				18	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	24	21	39	58.5*	20	467	S	168.826	E	33	N	5.0	1.3	24	LOYALTY ISLANDS
	24	22	27	51.2?	20	50	S	168.68	E	29	*	4.4 4.2	1.2	16	LOYALTY ISLANDS
	24	22	36	26.9&	36	605	N	121.250	W	6				9	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	24	23	30	13.8?	19	74	N	67.03	W	10	G		0.3	6	MONA PASSAGE
	24	23	43	25.1*	25	988	S	176.954	W	97	D	4.7	1.3	12	SOUTH OF FIJI ISLANDS
	24	23	43	46.6?	19	67	N	67.12	W	10	G		0.9	7	MONA PASSAGE
	24	23	45	15.1?	26	53	S	64.02	W	33	N		1.4	6	TUCUMAN PROVINCE, ARGENTINA
	25	00	05	23.4	40	627	N	77.763	E	34	*	4.9 3.8	1.0	26	KIRGHIZ-XINJIANG BORDER REGION
	25	00	38	06.9	49	430	S	123.211	E	10	G	4.8 5.1	1.0	28	SOUTH OF AUSTRALIA
	25	01	30	05.4%	14	576	N	90.548	W	10	G		0.2	8	GUATEMALA. MG 2.5 (GCG).
	25	01	36	08.3	4	684	S	153.197	E	51	*		1.0	12	NEW IRELAND REGION
	25	01	49	57.3?	33	03	S	69.41	W	10	G		0.3	4	CHILE-ARGENTINA BORDER REGION. Slight damage (V) at San Carlos, Argentino.
	25	02	04	15.8&	59	020	N	152.083	W	44				26	SOUTHERN ALASKA. <AGS-P>.
	25	02	08	26 3*	4	800	S	144.730	E	61	?	4.5	1.2	10	NEAR N COAST OF PAPUA NEW GUINEA
	25	02	23	50.5?	19	66	N	66.97	W	10	G		0.2	6	PUERTO RICO REGION
	25	02	28	16.8?	24	21	N	125.77	E	33	N	4.2	1.3	5	SOUTHWESTERN RYUKYU ISLANDS. Felt (I JMA) on Miyako-jima
	25	02	56	44.7*	30	756	N	50.028	E	33	N	4.3	1.1	8	IRAN

a	25	04	39	25.9	10.473	S	152.269	E	26	D	5.3	4.8	1.0	90	DENTRECASTEAUX ISLANDS REGION
	25	05	35	19.7*	20.330	S	69.989	W	33	N			0.7	5	NORTHERN CHILE
	25	05	37	25.0*	38.315	N	27.111	E	10	G			1.6	5	TURKEY
	25	05	45	54.4%	14.542	N	90.539	W	10	G			0.4	7	GUATEMALA. MG 2.2 (GCG).
	25	05	47	45.8*	6.282	S	151.984	E	33	N	3.7		1.0	7	NEW BRITAIN REGION
	25	06	24	31.8	42.389	N	16.751	E	10	G			1.1	25	ADRIATIC SEA. ML 3.1 (TTG).
	25	09	39	32.1%	39.591	N	29.424	E	10	G			0.8	5	TURKEY
	25	09	51	04.2	19.125	N	64.461	W	47	*	4.1		1.1	27	VIRGIN ISLANDS
	25	10	10	07.4%	40.142	N	27.225	E	10	G			1.2	5	TURKEY
	25	10	11	11.3	37.266	N	22.139	E	60	*	3.9	3.3	1.2	24	SOUTHERN GREECE
	25	11	33	57.3*	19.191	N	64.405	W	33	N			0.5	11	VIRGIN ISLANDS. ML 4.5 (FDF).
	25	12	00	44.2*	39.469	N	122.787	W	10	G			0.8	7	NORTHERN CALIFORNIA. ML 2.5 (BRK).
	25	12	21	26.3*	42.646	N	16.067	E	10	G			0.7	5	ADRIATIC SEA. MD 3.4 (KBA).
	25	12	41	11.9	27.853	N	139.387	E	533	D	5.0		0.8	126	BONIN ISLANDS REGION
	25	13	25	30.4*	30.942	S	167.068	E	33	N	4.7		1.2	13	NORTHWEST OF NEW ZEALAND
a	25	14	05	17.6	50.549	N	174.571	W	40	D	5.7	4.9	1.0	293	ANDREANOF ISLANDS, ALEUTIAN IS. Ms 5.3 (BRK).
	25	14	39	08.7	44.603	N	6.805	E	10	G			0.2	14	FRANCE. ML 2.9 (LDG).
	25	14	40	57.8	50.658	N	174.584	W	40	D	4.9		1.2	90	ANDREANOF ISLANDS, ALEUTIAN IS.
	25	14	57	54.8?	42.50	N	16.71	E	10	G			1.5	5	ADRIATIC SEA
	25	15	17	10.9%	14.561	N	90.562	W	10	G			0.2	7	GUATEMALA. MG 2.8 (GCG).
	25	15	32	27.6*	14.993	N	145.895	E	109	*	4.4		1.1	13	MARIANA ISLANDS
	25	16	22	25.2?	33.01	S	72.12	W	10	G			0.3	10	OFF COAST OF CENTRAL CHILE
	25	16	25	19.1	19.119	N	64.448	W	49	*	4.5	4.1	1.2	38	VIRGIN ISLANDS
	25	16	49	47.7?	31.71	S	178.25	W	33	N	4.9		1.4	14	KERMADEC ISLANDS REGION
	25	17	00	58.4	21.903	S	139.009	W	0	G	5.6	4.9	0.8	120	TUAMOTU ARCHIPELAGO REGION
	25	18	21	58.0	42.010	N	85.692	E	22	D	5.2		0.9	186	NORTHERN XINJIANG, CHINA
	25	19	43	07.0	49.125	N	6.897	E	10	G			1.2	9	GERMANY. MD 2.0 (STR).
	25	19	54	43.1	43.278	N	20.962	E	10	G			1.1	14	YUGOSLAVIA. ML 2.6 (TTG).
	25	19	55	05.7*	19.431	N	64.382	W	33	N			0.7	11	VIRGIN ISLANDS
	25	22	12	10.8?	17.69	S	71.19	W	33	N			0.6	5	NEAR COAST OF PERU. Felt (II) at Arequipa.
	25	22	19	38.3	14.520	N	90.569	W	10	G			1.5	8	GUATEMALA. MG 3.1 (GCG). Felt at Guatemala City.
	25	22	34	54.1%	14.544	N	90.541	W	10	G			0.2	7	GUATEMALA. MG 2.6 (GCG).
	25	22	52	55.4*	46.136	N	98.980	E	33	N	4.1		1.4	11	MONGOLIA
	25	23	21	03.8?	1.05	N	125.81	E	109	*	4.8		1.3	14	MOLUCCA PASSAGE
	25	23	45	21.6%	14.555	N	90.552	W	10	G			0.4	7	GUATEMALA. MG 2.8 (GCG).
	26	00	00	18.8?	38.51	N	20.29	E	10	G			0.6	5	GREECE. ML 3.3 (ATH).
	26	00	04	32.4	32.819	N	130.172	E	10	G			0.7	8	KYUSHU, JAPAN. Felt (III JMA) at Unzendake and (I JMA) at Kumamata and Nagasaki.
	26	00	20	35.0&	43.319	N	128.023	W	11					42	OFF COAST OF OREGON. <SEA>. CL 2.9 (SEA).
	26	01	51	04.4%	46.107	N	2.900	E	10	G			0.3	7	FRANCE. ML 2.0 (LDG).
	26	02	37	28.9*	42.347	N	16.954	E	10	G			0.3	5	ADRIATIC SEA
	26	03	00	09.9%	14.555	N	90.553	W	10	G			0.1	6	GUATEMALA. MG 2.4 (GCG).
	26	03	56	50.1&	37.000	N	117.650	W	6	G	3.9			33	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.4 (PAS), 3.9 (BRK).
	26	04	30	12.3	18.078	N	65.533	W	33	N			0.8	13	PUERTO RICO REGION. ML 2.0 (FDF).
	26	04	38	31.5?	33.00	S	72.20	W	10	G			0.3	11	OFF COAST OF CENTRAL CHILE
	26	05	19	53.4	37.869	N	29.323	E	10	G			1.1	8	TURKEY
	26	05	21	54.9	17.811	N	65.396	W	10	G			0.5	15	PUERTO RICO REGION. ML 4.5 (FDF). Felt slightly on St. Thomas, Virgin Islands.
	26	07	56	58.1%	14.579	N	90.533	W	10	G			0.5	7	GUATEMALA. MG 2.0 (GCG).
	26	08	34	34.6	55.117	N	165.283	E	33	N	4.5		0.7	28	KOMANDORSKY ISLANDS REGION
	26	10	04	42.9*	2.507	S	102.436	E	179	*	4.7		0.9	29	SOUTHERN SUMATERA
	26	11	20	58.3	6.227	S	148.342	E	96	*	3.8		0.6	6	NEW BRITAIN REGION
	26	12	00	40.2*	6.850	N	72.879	W	160		4.4		0.5	13	NORTHERN COLOMBIA
	26	12	13	10.8&	58.200	N	142.712	W	10	G				29	GULF OF ALASKA. <AGS-P>.
	26	12	26	32.4	9.226	S	124.490	E	62	*	4.8	4.5	1.3	47	TIMOR
	26	13	10	42.8*	38.336	N	20.660	E	10	G			1.1	5	GREECE. ML 3.7 (ATH).
	26	13	36	29.3?	37.22	N	22.23	E	10	G			1.2	6	SOUTHERN GREECE. ML 3.5 (ATH).
	26	16	14	24.8*	18.285	S	178 022	W	540		4.9		1.0	50	FIJI ISLANDS REGION
	26	16	30	05 7*	27.415	N	88.558	E	43	*	4.7		1.1	25	SIKKIM. Felt at Gangtak.
	26	17	04	27.4%	27.888	S	116.940	E	10	G			0.5	8	WESTERN AUSTRALIA
	26	17	11	56.2	46.151	N	8.552	E	6				0.6	24	SWITZERLAND. ML 3.1 (LDG). MD 3.1 (STR).
	26	18	27	15.0*	10.571	S	152.410	E	33	N	4.0		1.3	10	DENTRECASTEAUX ISLANDS REGION
	26	18	29	38.4%	15.121	N	61.121	W	10	G			0.7	7	LEEWARD ISLANDS. ML 2.1 (FDF).
	26	18	55	31.6*	50.977	N	15.821	E	10	G			1.1	7	CZECHOSLOVAKIA. ML 3.9 (VKA), 3.4 (KBA).
a	26	19	01	34.4	49.084	N	128.340	W	10	G	5.1	4.8	1.0	188	VANCOUVER ISLAND REGION
	26	19	45	25.0%	42.544	N	13.275	E	10	G			0.6	10	CENTRAL ITALY
	26	20	12	08.1?	37.25	N	22.16	E	10	G			1.2	5	SOUTHERN GREECE. ML 3.5 (ATH).
	26	20	45	16.8	49.144	N	6.884	E	10	G			0.8	11	GERMANY. MD 1.8 (STR).
	26	20	56	15.5	42.375	N	16 737	E	10	G			0.9	14	ADRIATIC SEA. ML 2.6 (TTG).
	26	22	00	32.0%	38.185	N	15.081	E	10	G			0.5	5	SICILY
	26	22	55	10 8&	58.349	N	151 850	W	14					23	KODIAK ISLAND REGION. <AGS-P>.
	26	23	08	12.5	33.280	S	70.320	W	88				0.4	13	CHILE-ARGENTINA BORDER REGION. Felt (III) at Santiago, Chile.
	26	23	27	27 9	48.999	N	128.179	W	10	G	4.8	4.0	1.3	74	VANCOUVER ISLAND REGION
	26	23	37	43.6*	12.797	N	145.462	E	33	N	4.2		1.2	8	SOUTH OF MARIANA ISLANDS
	26	23	38	09.4%	33.621	S	70.791	W	33	N			0.6	6	CHILE-ARGENTINA BORDER REGION
	27	00	16	39.6%	41.891	N	15.645	E	10	G			0.8	8	SOUTHERN ITALY
	27	00	33	16 4?	37.05	N	20.19	E	10	G			0.5	5	IONIAN SEA. ML 3.4 (ATH).
	27	00	57	21.6	44.469	N	10.678	E	10	G			1.4	36	NORTHERN ITALY. ML 3.3 (KBA).
	27	02	00	38 0*	40.692	N	30.012	E	10	G			1.2	9	TURKEY
a	27	02	44	21.6	25.058	S	176.979	W	94	D	5.2		0.9	88	SOUTH OF FIJI ISLANDS
	27	03	45	53.0*	36.670	N	22.319	E	33	N	3.8		0.8	12	SOUTHERN GREECE. Felt in the Kalamai area.
	27	04	51	31 3*	21.499	S	67.547	W	138	?			1.3	7	CHILE-BOLIVIA BORDER REGION
	27	05	38	08.1%	38.527	N	15.768	E	10	G			0.9	5	SICILY
	27	05	49	40.0?	5.09	S	129.52	E	238	?	4.4		1.5	10	BANDA SEA
	27	07	15	42 1%	15.908	N	60 737	W	10	G			0.4	9	LEEWARD ISLANDS. ML 3.0 (FDF).
	27	07	17	51 6%	15.975	N	60.823	W	31	*			0.4	10	LEEWARD ISLANDS. ML 2.5 (FDF).
	27	07	46	22.2?	37.72	S	93.43	W	10	G	4.9	4.5	1.3	13	WEST CHILE RISE
	27	08	37	53.1&	60.125	N	152.645	W	105					26	SOUTHERN ALASKA. <AGS-P>.
	27	10	22	25.0&	61.569	N	149.892	W	46					32	SOUTHERN ALASKA. <AGS-P>.
	27	11	32	36.6	38.338	N	27.480	E	14				1.3	15	TURKEY
	27	11	44	38.6?	14.93	N	59.07	W	33	N			0.4	9	WINDWARD ISLANDS. ML 3.3 (FDF).

	27	12 58 49.2*	41.775	N	23.665	E	10	G		0.7	5	GREECE-BULGARIA BORDER REGION. ML 2.7 (SKO).
	27	13 03 02.5*	8.631	S	124.348	E	85	?	4.5	1 1	9	TIMOR
	27	14 18 37.5	44.151	N	21.552	E	24		4.5	1 1	111	YUGOSLAVIA. ML 4 6 (BEO) MD 4.4 (TTG) Felt in the Belgrade area
	27	14 48 54.4&	62.089	N	147.500	W	41				25	CENTRAL ALASKA <AGS-P>.
	27	15 44 49.1	37.088	N	19.883	E	33	N	4.3	1 1	29	IONIAN SEA. ML 4.3 (ATH).
	27	18 02 42.3*	54.259	N	160.483	E	33	N	4.5	0.8	26	NEAR EAST COAST OF KAMCHATKA
	27	18 34 56.8*	38.301	N	20.385	E	12		3.6	1 1	8	GREECE. ML 3.8 (ATH)
	27	19 01 15.2?	3.11	N	122.58	E	161	?	4.7	0 3	5	CELEBES SEA
	27	19 56 08.1	44.488	N	10.607	E	10	G		1.3	13	NORTHERN ITALY. ML 2 6 (LDG).
	27	20 50 01.6*	32.565	N	56.156	E	33	N	4.6	0 7	7	IRAN. Felt at Behabad
	27	21 46 16.8*	10.945	S	152.366	E	33	N	4.0	1.4	8	DENTRECASTEAUX ISLANDS REGION
	27	21 51 53.2	24.578	N	122.009	E	58		4.5	1.4	37	TAIWAN REGION
	27	23 34 52.2	47.072	N	7.228	E	10	G		0.9	12	SWITZERLAND. MD 2.8 (STR).
	28	00 34 17.0%	32.965	S	71.852	W	10	G		0.6	11	NEAR COAST OF CENTRAL CHILE
	28	00 38 46.5?	32.97	S	71.87	W	10	G		0.7	6	NEAR COAST OF CENTRAL CHILE
	28	00 41 58.1%	32.896	S	71.968	W	10	G		0.3	10	NEAR COAST OF CENTRAL CHILE
	28	01 49 02.1*	5.616	S	130.767	E	33	N	4.5	1.3	12	BANDA SEA
	28	02 21 51.6*	20.947	S	68.001	W	88	?	4.7	1.4	10	CHILE-BOLIVIA BORDER REGION
	28	02 23 30.8	44.109	N	21.635	E	10	G		1.3	16	YUGOSLAVIA. ML 3.6 (BEO).
	28	02 58 43.4*	14.688	S	72.326	W	33	N		1.3	6	PERU
	28	03 16 15.8*	51.294	N	174.920	W	33	N	4.5	1.2	23	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
	28	03 24 35.0?	34.58	S	72.11	W	33	N		0.5	11	NEAR COAST OF CENTRAL CHILE
	28	04 05 44.5	4.032	S	133.736	E	18	*	5.2	1.1	39	WEST IRIAN REGION
	28	04 12 25.4*	32.895	S	72.005	W	10	G		0.3	11	OFF COAST OF CENTRAL CHILE
	28	04 27 53.4*	14.793	N	119.589	E	33	N	4.5	1 3	12	LUZON, PHILIPPINE ISLANDS
	28	05 54 13.3	19.870	S	69.199	W	130	*	4.6	1.0	17	NORTHERN CHILE
	28	05 57 35.0%	38.341	N	14.824	E	10	G		1.3	7	SICILY
	28	07 15 42.4	9.882	N	83.462	W	33	N		1.0	15	COSTA RICA. MD 3.8 (HDC), 3.5 (SJR). Felt (III) at Turrialba and Juan Vinas and (II) at San Jose. Also felt at Liman.
	28	07 57 37.9	20.678	S	178.735	W	606		4 8	0 9	69	FIJI ISLANDS REGION
	28	08 08 02.0?	6.70	S	128.33	E	92	?	4.6	1.4	7	BANDA SEA
	28	08 59 46.4*	12.198	N	143.673	E	33	N	4.7	1 0	14	SOUTH OF MARIANA ISLANDS
	28	09 02 43.9&	46.810	N	119.428	W	0				45	WASHINGTON. <SEA> CL 3.5 (SEA).
	28	10 05 45.3	24.264	S	67.053	W	177		5.1	1.1	25	CHILE-ARGENTINA BORDER REGION
	28	10 06 01.1	51.563	N	16.355	E	10	G		0.5	12	POLAND. ML 3.9 (VKA), 3.5 (KBA).
	28	10 24 38.4	31.890	S	111.369	W	10	G	5.2	0.9	62	EASTER ISLAND REGION
	28	10 51 13.9	35.933	N	114 896	W	5	G		0 5	16	CALIFORNIA-NEVADA BORDER REGION. ML 3 2 (NEIS), 3.2 (PAS). Felt at Boulder City, Nevada.
	28	13 36 38.9?	4.99	S	154.87	E	480	?	4.9	1 1	14	SOLOMON ISLANDS
	28	14 27 16.1*	31.657	N	140.094	E	124	*	4.5	0.5	12	SOUTH OF HONSHU, JAPAN
	28	15 12 47.0%	46.304	N	6.449	E	10	G		1.0	9	SWITZERLAND ML 2.5 (LDG).
	28	15 13 52.6	12.257	S	166.811	E	54	D	5.1	1.0	52	SANTA CRUZ ISLANDS
	28	15 35 48.3*	37.162	N	22.163	E	57	?	3.6	1.2	8	SOUTHERN GREECE. MD 3.4 (ATH).
	28	15 36 10.0?	51.05	N	178.63	W	33	N	4.2	1 5	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	28	16 18 28.1	39.753	N	81.613	W	0	G		1.2	27	OHIO mbLg 3.4 (NEIS). Probable explosion. Felt (III) at Blue Rock
a	28	16 27 24.1	17.852	S	178.662	W	559	G	5.7	0.9	251	FIJI ISLANDS REGION. mb 5 9 (BRK). Depth from broadband displacement seismograms.
	28	16 53 53.8*	48.876	N	18.347	E	10	G		1.6	6	CZECHOSLOVAKIA. ML 2.7 (VKA).
	28	18 08 55.5&	37.497	N	118.880	W	3				28	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.1 (BRK), 3.4 (PAS).
	28	18 51 06.4*	1.303	N	85.342	W	33	N	4.7	1.2	21	OFF COAST OF ECUADOR
	28	19 17 39 6?	16.55	N	60.83	W	33	N		0 5	7	LEEWARD ISLANDS. ML 2 5 (FDF).
	28	19 41 55.7*	4.551	N	95.040	E	60	*	4.3	1.0	23	NORTHERN SUMATERA
	28	22 33 47.1%	16.036	N	61.621	W	33	N		0.3	6	LEEWARD ISLANDS. ML 2.5 (FDF).
	28	22 35 55.8%	16.038	N	61.638	W	33	N		0.3	6	LEEWARD ISLANDS. ML 2.3 (FDF).
	29	00 49 02.2&	60.326	N	153.621	W	194		4.6		51	SOUTHERN ALASKA. <AGS-P>.
	29	00 53 47.9?	10.55	S	117.16	E	33	N		1.6	6	SOUTH OF SUMBAWA ISLAND
	29	01 46 20.9?	12.57	S	116.72	E	33	N	3.6	0.9	6	SOUTH OF SUMBAWA ISLAND
	29	04 36 17.6?	15.89	N	60.46	W	10	G		0.5	6	LEEWARD ISLANDS
	29	04 51 40 6?	15.92	N	60.57	W	10	G		0 5	6	LEEWARD ISLANDS. ML 2.2 (FDF).
	29	05 35 00 4*	19.729	S	69.018	W	128	*	4.8	1.6	14	NORTHERN CHILE
	29	06 06 09.5*	13.903	S	122.440	E	10	G		1.0	8	NORTHWEST OF AUSTRALIA
	29	06 11 40 6*	18.230	N	100.019	W	69		4.6	1.5	41	GUERRERO, MEXICO
a	29	06 24 21.0	16.588	S	172.642	W	33	N	5.3 5.0	1.2	92	SAMOA ISLANDS REGION
	29	06 31 21 2	51.919	N	30.096	W	10	G	4.3	0 5	24	NORTH ATLANTIC RIDGE
	29	08 15 39 2%	39 549	N	29.932	E	10	G		0 4	5	TURKEY
	29	09 52 02 7*	39 382	N	25.457	E	10	G		0 6	5	AEGEAN SEA
	29	09 52 16 6&	61 811	N	149.977	W	45		3 9		36	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Palmer.
	29	10 05 35 5*	8.302	S	79 773	W	33	N	4 7	0 7	10	NEAR COAST OF NORTHERN PERU
	29	10 42 00 6*	10 508	N	84.969	W	33	N		1 3	10	COSTA RICA MD 4.2 (HDC).
	29	11 03 05 0%	39 633	N	29 388	E	10	G		0 5	5	TURKEY
	29	11 52 48 5	6 676	N	125.473	E	250		4 8	1 2	86	MINDANAO, PHILIPPINE ISLANDS
	29	12 15 40 2*	28.500	N	51.377	E	50	*	4 2	1 3	9	SOUTHERN IRAN
	29	14 15 44.2*	51.127	N	15.754	E	10	G		1 5	5	POLAND. ML 3.0 (KBA).
	29	16 40 51.7*	43.132	N	13.911	E	10	G		1 3	5	CENTRAL ITALY. ML 2.5 (KBA).
	29	17 02 03 0?	32.10	S	71 81	W	10	G		0 5	10	NEAR COAST OF CENTRAL CHILE
	29	18 38 30 2&	60.081	N	152.483	W	77				35	SOUTHERN ALASKA. <AGS-P>.
	29	20 56 33.4*	10.679	N	62 573	W	94	*	4.1	1.3	21	NEAR COAST OF VENEZUELA
	29	22 05 58.0&	61.498	N	150.975	W	70				21	SOUTHERN ALASKA. <AGS-P>.
	29	23 48 54.3?	54.43	N	161.45	E	33	N	4.4	0.8	10	NEAR EAST COAST OF KAMCHATKA
	30	00 26 13.0	28.722	N	51 234	E	35	*	4.4 3.8	1 0	35	SOUTHERN IRAN
	30	00 29 39.0*	40.012	N	24.024	E	10	G		0.4	6	AEGEAN SEA
	30	00 58 17.5%	14.501	N	90.505	W	10	G		0 6	6	GUATEMALA. MG 2.9 (GCG).
	30	02 39 25.8?	65 40	S	176 50	W	10	G	4 9 4 9	1 6	12	SOUTH PACIFIC CORDILLERA
	30	02 39 50 6%	42.676	N	13 351	E	10	G		0 4	5	CENTRAL ITALY
	30	02 49 56 7&	59.864	N	153 204	W	116		4 5		34	SOUTHERN ALASKA. <AGS-P>.
	30	03 24 32.0?	17 19	N	60.62	W	10	G		0 6	10	LEEWARD ISLANDS. ML 3.1 (FDF).
	30	03 35 47 1	39.275	N	28.118	E	10	G		0.6	12	TURKEY
	30	04 08 35 8*	51 453	N	16.830	E	10	G		1 4	5	POLAND. ML 3.3 (VKA), 2.8 (KBA).
	30	05 00 36.2	42 348	N	20.034	E	10	G		0.8	7	YUGOSLAVIA. ML 2.3 (TTG).

	30	08 24 31 5&	38.825	N	122.793	W	3					17	NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=1.3*10**14 Nm (BRK). Felt west of Calistoga.
	30	08 36 24.2	11.692	N	125.847	E	33	N	4.8		0.9	40	SAMAR, PHILIPPINE ISLANDS
	30	09 06 17.2*	32.747	S	71.636	W	10	G			0.7	10	NEAR COAST OF CENTRAL CHILE
	30	09 28 03.1?	10.74	N	142.24	E	33	N	4.2		1.2	9	SOUTH OF MARIANA ISLANDS
	30	10 06 36.5%	38.400	N	14.737	E	10				1.1	10	SICILY. MD 3.5 (ROM).
	30	10 23 13.7*	7.351	N	82.467	W	10	G	4.8	3.8	1.2	34	SOUTH OF PANAMA. MD 4.7 (UPA), 4.5 (HDC). Felt (II) at Puerto Armuelles and Las Lajas.
	30	10 44 04 5	36.347	N	4.584	W	121	*			0.9	22	STRAIT OF GIBRALTAR. MG 3.2 (MDD).
	30	10 45 12.3	36.429	N	140.687	E	64		4.9		0.9	64	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Mito, Onahama and Choshi; (II JMA) at Utsunomiyo; (I JMA) at Tokyo, Shirakawa and Yokohama. Also felt at Fukushima.
	30	11 10 36.3	15.430	S	167.418	E	138		5.0		1.0	82	VANUATU ISLANDS
	30	11 56 01 0&	59.222	N	153.751	W	106					22	SOUTHERN ALASKA. <AGS-P>.
	30	12 00 08.3*	22.321	S	66.937	W	174	*			0.9	10	JUJUY PROVINCE, ARGENTINA
	30	15 04 51.9	40.496	N	26.544	E	10	G			0.8	9	TURKEY
	30	16 05 11.2&	36.410	N	117.840	W	6	G				33	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.5 (PAS), 3.9 (BRK). Felt (IV) at Keeler, (III) at Lone Pine and (II) at Olancha, California.
	30	16 47 01.3	40.286	N	25.835	E	12		4.0	3.9	1.2	60	AEGEAN SEA. ML 4.3 (ATH).
	30	17 09 54.7?	40.28	N	25.26	E	10	G			1.0	5	AEGEAN SEA
	30	17 28 18.9&	36.410	N	117.840	W	6	G				36	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.5 (PAS), 4.2 (BRK). Felt at Keeler, California.
	30	17 31 14.9?	40.33	N	25.10	E	10	G			0.6	5	AEGEAN SEA
	30	17 36 46.5	40.350	N	25.772	E	10	G	3.7		0.9	28	AEGEAN SEA. ML 4.0 (ATH).
	30	18 00 59.6	33.435	N	88.462	E	53	*	4.9		0.9	27	TIBET
	30	18 15 10.4?	0.02	S	120.29	E	33	N	4.3		0.4	6	MINAHASSA PENINSULA
	30	19 18 37.6?	21.87	S	174.64	W	33	N	5.4		0.6	14	TONGA ISLANDS
	30	19 36 46.1	43.322	N	13.985	E	10	G			1.4	28	CENTRAL ITALY. ML 3.9 (LDG), 3.6 (KBA).
	30	20 17 49.5?	64.90	N	150.73	W	10	G			1.5	4	CENTRAL ALASKA. ML 3.1 (PMR).
	30	20 21 57.8*	64.982	N	150.676	W	10	G			1.0	6	CENTRAL ALASKA. ML 3.2 (PMR).
	30	20 48 53.5?	39.10	N	71.47	E	33	N			1.5	6	TAJIK SSR. Felt (V) at Dzhirgotol and (IV) at Duvano, Khoit and Tadzhikobod.
f	30	21 11 11.3	7.501	S	128.325	E	86	G	6.5		1.1	410	BANDA SEA. Felt strongly in northern Australia. Depth from broadband displacement seismograms.
	30	21 22 12.5	31.515	S	69.061	W	94		5.8		1.0	138	SAN JUAN PROVINCE, ARGENTINA. Felt (V) in San Juan Province. Felt (IV) at Mendoza.
	30	21 46 15.5*	7.546	S	128.318	E	33	N	5.3		1.3	21	BANDA SEA
	30	23 12 48.2&	38.838	N	122.795	W	4					10	NORTHERN CALIFORNIA. <BRK> ML 3 2 (BRK).
	30	23 48 23.6%	16.944	N	61.670	W	33	N			0.3	5	LEEWARD ISLANDS. ML 3 0 (FDF).
	31	01 37 19.9	6.687	S	130.709	E	120	*	5.0		1.1	26	BANDA SEA
	31	02 45 05.0	41.023	N	20.156	E	10	G			1.2	18	ALBANIA. ML 3.1 (TTG).
	31	03 40 57.1?	40.36	N	25.57	E	10	G			0.6	6	AEGEAN SEA
	31	04 50 50 5?	19.30	S	173.31	E	41	?	4.8	4.1	1.1	18	VANUATU ISLANDS REGION
	31	05 45 47.5	40.435	S	174.104	E	77		5.0		1.6	28	COOK STRAIT, NEW ZEALAND. Felt at New Plymouth, Palmerston North and Wellington, North Island.
	31	06 01 11.2	40.284	N	25.933	E	10	G			1.3	6	AEGEAN SEA
	31	06 48 09.6*	21.540	S	66.563	W	228	*	4.7		1.5	13	SOUTHERN BOLIVIA
	31	07 35 07.2*	5.415	N	0.368	W	10	G			0.4	6	NORTHWEST AFRICA
	31	09 05 20.3&	59.048	N	156.112	W	0					10	SOUTHERN ALASKA. <AGS-P>.
	31	09 58 59.9*	42.719	N	19.142	E	10	G			0.2	5	YUGOSLAVIA. ML 2.2 (TTG).
	31	10 20 01.7?	31.21	N	129.94	E	150	*	4.1		0.8	6	KYUSHU, JAPAN
	31	10 53 00.7?	6.51	N	33.78	W	10	G	4.8		1.3	9	CENTRAL MID-ATLANTIC RIDGE
	31	11 05 51.8&	62.351	N	151.163	W	99		4.0			39	CENTRAL ALASKA. <AGS-P>. Felt (III) at Skwentna and Tropper Creek.
	31	11 49 35.4&	61.588	N	141.344	W	0					23	SOUTHERN ALASKA. <AGS-P>. ML 3.4 (PMR).
	31	12 43 25.1%	39.533	N	29.944	E	10	G			0.5	5	TURKEY
	31	13 08 15.0?	6.61	S	108.71	E	200	?	4.1		1.4	5	JAVA
	31	14 09 28.6&	46.810	N	119.430	W	0					43	WASHINGTON <SEA>. CL 2.9 (SEA).
	31	14 20 19.5*	20.020	S	168.682	E	29	*	4.8	4.8	1.3	50	LOYALTY ISLANDS
	31	14 40 17.3*	8.253	S	128.295	E	177	?	4.4		0.6	10	TIMOR SEA
	31	14 42 49.0?	7.16	S	129.74	E	33	N	4.5		1.4	8	BANDA SEA
	31	14 51 00.0%	37.422	N	30.070	E	10	G			1.1	5	TURKEY
	31	15 03 20.6?	11.43	S	118.28	E	33	N			1.3	5	SOUTH OF SUMBAWA ISLAND
	31	15 44 08 1&	62.411	N	150.347	W	0					28	CENTRAL ALASKA. <AGS-P>. ML 3.1 (PMR).
	31	15 49 54 6*	36.891	N	5.242	W	10	G			1 6	5	STRAIT OF GIBRALTAR MG 2.5 (MDD).
	31	15 53 17.9*	35.378	N	120.784	W	5	G			1 0	5	CENTRAL CALIFORNIA. ML 2 5 (BRK)
	31	15 54 24 7	42 499	N	19.244	E	10	G			1 2	10	YUGOSLAVIA MD 3.3 (TTG). Felt (IV) at Titograd
	31	16 17 28 3	49.096	N	128.354	W	10	G	4.3		1 2	18	VANCOUVER ISLAND REGION
	31	16 35 55 7	49.095	N	128.376	W	10	G	4.6		0 8	43	VANCOUVER ISLAND REGION
	31	18 51 38.0*	20.534	S	175.397	W	33	N	5.1		1.3	50	TONGA ISLANDS
	31	19 56 19.8?	14 31	N	125.94	E	100	?	4.9		1 2	6	PHILIPPINE ISLANDS REGION
	31	20 25 39 4?	18 83	N	65.57	W	33	N			0.5	6	PUERTO RICO REGION
	31	20 35 37 3*	40.368	N	25 831	E	10	G			0.7	5	AEGEAN SEA
	31	20 45 59.4?	35.31	S	71.48	W	10	G			0.7	10	CENTRAL CHILE
	31	21 06 21 8*	12.363	N	86.372	W	177	*	4.5		1.5	44	NICARAGUA
	31	21 06 42.3	40.657	N	34.776	E	10	G	4.5		1.3	25	TURKEY
	31	21 18 09.9?	32.98	S	72.32	W	10	G			0.4	9	OFF COAST OF CENTRAL CHILE
	31	21 43 15 4?	33.01	S	72.21	W	10	G			0.5	10	OFF COAST OF CENTRAL CHILE
	31	21 47 25.7?	33.00	S	72.26	W	10	G			0.4	8	OFF COAST OF CENTRAL CHILE
	31	21 56 26.7*	38.286	N	21.708	E	10	G	3.5		1.0	7	GREECE. ML 3.2 (ATH).
	31	22 05 19.6&	59 934	N	148.399	W	32					24	KENAI PENINSULA, ALASKA. <AGS-P>
	31	23 41 15.8?	9.66	S	128.74	E	168	?	3.9		0.9	6	TIMOR SEA

ADDITIONAL SOURCE PARAMETERS

01 05 47 42.27 18.181N 145.729E 114km
5.1mb (17 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 20C
Centroid Location:
Origin Time 05:47:41.8 1.1
Lat 17.97N 0.10 Lon 146.20E 0.11
Dep 99.5 7.7 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	3.51	38	211
N	2.02	11	310
P	-5.53	49	54

Best Double Couple:Mo=4.5*10**16
NP1:Strike=247 Dip=13 Slip=-154
NP2: 131 84 -78

01 10 06 47.53 49.229N 157.609E 51km
5.1mb (64 obs.)
KURIL ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 10:06:48.8 1.0
Lat 49.40N 0.11 Lon 157.52E 0.15
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.30	17	292
N	-2.34	10	25
P	-7.96	70	145

Best Double Couple:Mo=9.1*10**16
NP1:Strike= 7 Dip=30 Slip=-111
NP2: 210 62 -79

01 15 22 07.06 11.666S 166.445E 122km
5.6mb (30 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centroid Location:
Origin Time 15:22: 8.0 0.5
Lat 12.06S 0.05 Lon 166.37E 0.06
Dep 126.0 2.4 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.58	73	157
N	-0.18	17	339
P	-1.40	1	249

Best Double Couple:Mo=1.5*10**17
NP1:Strike=323 Dip=47 Slip= 67
NP2: 175 48 113

01 23 06 33.55 55.897S 27.672W 138km
5.9mb (19 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=263 Dip=83 Slip= 90
NP2: 83 7 90
Principal Axes:

	Plg=	Azm=
T	52	173
P	38	353

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 79 No. of sta: 5
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.45	36	148
N	-0.04	39	275
P	-1.41	30	33

Best Double Couple:Mo=1.4*10**18
NP1:Strike=177 Dip=39 Slip= 174
NP2: 272 86 51
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C M.W.: 8S, 14C
Centroid Location:
Origin Time 23:06:34.2 0.2
Lat 55.81S 0.02 Lon 27.95W 0.03
Dep 101.8 1.2 Half-duration 4.6
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.28	48	161
N	-0.12	23	280
P	-2.16	32	26

Best Double Couple:Mo=2.2*10**18
NP1:Strike=167 Dip=25 Slip= 159
NP2: 276 81 66

03 09 15 21.74 42.469N 47.663E 22km
5.1mb (57 obs.) 4.5Msz (3 obs.)
EASTERN CAUCASUS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 09:15:25.1 1.9
Lat 42.22N 0.18 Lon 47.83E 0.16
Dep 15.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.44	61	218
N	1.10	0	127
P	-10.54	29	37

Best Double Couple:Mo=1.0*10**17
NP1:Strike=126 Dip=16 Slip= 89
NP2: 308 74 90

03 20 28 19.69 44.497N 149.265E 39km
5.7mb (71 obs.) 5.0Msz (8 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 30C
Centroid Location:
Origin Time 20:28:19.2 0.5
Lat 44.56N 0.04 Lon 149.84E 0.07
Dep 40.6 3.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.40	74	306
N	0.21	1	40
P	-1.61	16	130

Best Double Couple:Mo=1.5*10**17
NP1:Strike=222 Dip=29 Slip= 93
NP2: 39 61 89

03 23 22 07.68 22.774S 170.278E 11km
5.9mb (40 obs.) 5.8Msz (20 obs.)
LOYALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=308 Dip=86 Slip=-130
NP2. 213 40 -6
Principal Axes:

	Plg=	Azm=
T	29	69
P	36	184

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 6.1±1.7*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 16 No. of sta: 8
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.36	23	50
N	0.01	33	304
P	-1.37	48	168

Best Double Couple:Mo=1.4*10**18
NP1:Strike=184 Dip=37 Slip= -25
NP2: 294 75 -124
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 23:22:12.9 0.3
Lat 23.05S 0.03 Lon 170.20E 0.03
Dep 15.0 FIX Half-duration 3.9
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.30	17	23
N	0.10	11	290
P	-1.41	70	169

Best Double Couple:Mo=1.4*10**18
NP1:Strike=129 Dip=30 Slip= -68
NP2: 284 63 -102

04 00 01 32.08 17.328S 66.629E 10km
5.2mb (12 obs.)
MASCARENE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 00:01:41.0 0.7
Lat 17.27S 0.05 Lon 65.91E 0.07
Dep 15.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	11.16	23	102
N	-3.46	67	276
P	-7.71	2	11

Best Double Couple:Mo=9.4*10**17
NP1:Strike=144 Dip=72 Slip= 165
NP2: 239 75 19

04 23 47 02.44 18.512N 145.858E 123km
5.9mb (54 obs.)
MARIANA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=188 Dip=88 Slip=-172
NP2: 98 82 -2
Principal Axes:

	Plg=	Azm=
T	4	323
P	7	53

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.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 1.1±0.5*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 129 No. of sta: 12
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.52	12	156
N	0.74	66	273
P	-4.26	20	61

Best Double Couple:Mo=3.9*10**18
NP1:Strike=200 Dip=67 Slip=-174
NP2: 107 84 -23
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C
Centroid Location:
Origin Time 23:47: 6.5 0.3
Lat 18.59N 0.02 Lon 145.93E 0.03
Dep 132.1 1.1 Half-duration 5.4
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.23	19	165
N	0.21	59	291
P	-3.43	23	66

Best Double Couple:Mo=3.3*10**18
NP1:Strike=207 Dip=59 Slip=-177
NP2: 115 87 -31

05 07 57 50.03 18.204S 168.169E 36km
5.2mb (11 obs.) 5.3Msz (5 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:
Origin Time 07:57:50.1 0.5
Lat 18.37S 0.04 Lon 168.15E 0.04
Dep 29.9 2.4 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.94	67	11
N	0.45	22	170
P	-3.40	8	263

Best Double Couple:Mo=3.2*10**17
NP1:Strike= 16 Dip=42 Slip= 124
NP2: 154 56 63

05 10 04 14.05 26.867S 113.268W 10km
6.1mb (33 obs.) 6.3Msz (20 obs.)
EASTER ISLAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 26 Dip=90 Slip= -4
NP2: 116 86 -180
Principal Axes:

	Plg=	Azm=
T	3	71
P	3	341

Comment: The focal mechonism is moderotely well controlled ond corresponds to strike-slip foulting. The preferred foult plone is not determined.
MOMENT TENSOR SOLUTION
Dep 13 No. of sto: 5
Principol Axes:
Scole 10**18 Nm
T Vol= 3.09 Plg=16 Azm=236
N 0.93 67 107
P -4.02 17 331
Best Double Couple:Mo=3.6*10**18
NP1:Strike= 14 Dip=67 Slip= -1
NP2: 104 89 -157
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 15S, 37C M.W.: 11S, 23C
Centroid Locotion:
Origin Time 10:04:22.0 0.2
Lot 27.01S 0.02 Lon 113.45W 0.02
Dep 15.0 FIX Holf-durotion 5.6
Principol Axes:
Scole 10**18 Nm
T Vol= 3.50 Plg= 5 Azm= 65
N 0.01 76 176
P -3.50 13 334
Best Double Couple:Mo=3.5*10**18
NP1:Strike=110 Dip=77 Slip=-174
NP2: 19 84 -13

05 17 39 20.22 29.418S 71.656W 54km
5.4mb (28 obs.) 5.2Msz (3 obs.)
NEAR COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 12S, 27C
Centroid Locotion:
Origin Time 17:39:26.1 0.3
Lot 29.57S 0.05 Lon 71.23W 0.05
Dep 72.1 5.5 Holf-durotion 1.7
Principol Axes:
Scole 10**17 Nm
T Vol= 1.41 Plg=48 Azm=129
N 0.12 2 36
P -1.52 42 305
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 0 Dip= 3 Slip= 53
NP2: 217 87 92

05 20 51 13.58 4.531S 102.932E 87km
5.5mb (21 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 9S, 19C
Centroid Locotion:
Origin Time 20:51:21.4 1.4
Lot 4.76S 0.09 Lon 103.45E 0.16
Dep 60.8 8.4 Holf-durotion 1 3
Principol Axes:
Scole 10**16 Nm
T Vol= 2.93 Plg= 9 Azm=100
N 0.63 81 280
P -3.56 0 10
Best Double Couple:Mo=3 3*10**16
NP1:Strike=144 Dip=83 Slip= 173
NP2: 235 83 7

05 22 32 48.99 26.649S 113.664W 10km
5 5mb (18 obs.) 5.9Msz (12 obs)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L P B : 13S, 34C
Centroid Location:
Origin Time 22:32:55.3 0 2
Lot 27.04S 0.03 Lon 113.52W 0 03
Dep 15.0 FIX Holf-durotion 4 4
Principol Axes:
Scole 10**18 Nm
T Vol= 1.83 Plg= 8 Azm= 64
N -0.19 82 263
P -1.64 3 155
Best Double Couple:Mo=1.7*10**18
NP1:Strike=200 Dip=83 Slip= 4
NP2: 109 86 173

05 23 35 33.61 49.856S 115.378E 10km
5.6mb (16 obs.) 5.5Msz (5 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 10S, 18C
Centroid Locotion:
Origin Time 23:35:40.3 1.5
Lot 50.09S 0.15 Lon 114.61E 0.28
Dep 15.0 FIX Holf-durotion 2.3
Principol Axes:
Scole 10**17 Nm
T Vol= 4.42 Plg=50 Azm= 66
N -0.78 36 275
P -3.64 15 174
Best Double Couple:Mo=4.0*10**17
NP1:Strike=225 Dip=44 Slip= 31
NP2: 112 69 130

06 05 04 58.29 11.690N 142.772E 27km
5.7mb (34 obs.) 5 3Msz (8 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 10S, 21C
Centroid Locotion:
Origin Time 05:04:57.9 0.6
Lot 11.11N 0.09 Lon 143.19E 0.10
Dep 15.0 FIX Holf-durotion 2.0
Principol Axes:
Scole 10**17 Nm
T Vol= 2.60 Plg=41 Azm=345
N 0.42 7 82
P -3.02 48 180
Best Double Couple:Mo=2.8*10**17
NP1:Strike= 19 Dip= 8 Slip=-153
NP2: 262 86 -83

06 05 47 46.96 21.112S 173.978W 33km
5.2mb (19 obs.) 5.0Msz (3 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 11S, 20C
Centroid Locotion:
Origin Time 05:47:51.8 1 1
Lot 21.06S 0.08 Lon 173.68W 0.09
Dep 34.2 5.6 Holf-durotion 1.7
Principol Axes:
Scole 10**16 Nm
T Vol= 9.69 Plg=72 Azm=332
N 1.36 11 205
P -11.04 14 112
Best Double Couple:Mo=1.0*10**17
NP1:Strike=188 Dip=33 Slip= 70
NP2: 31 60 102

06 14 46 17.01 11.493N 85.911W 87km
5.7mb (69 obs.)
NICARAGUA
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=175 Dip=85 Slip= 85
NP2: 40 7 135
Principol Axes:
T Plg=50 Azm= 80
P 40 270
Comment: The focol mechonism is moderately well controlled ond corresponds to reverse foulting with o smoll strike-slip component. The preferred foult plone is NP2.
RADIATED ENERGY
No. of sto: 5 Focol mech. F
Energy 1 3±0.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 86 No. of sto: 10
Principol Axes:
Scole 10**18 Nm
T Vol= 7 62 Plg=42 Azm= 79
N -0.06 3 171
P -7.56 48 264
Best Double Couple:Mo=7.6*10**18
NP1:Strike=133 Dip= 4 Slip=-128
NP2: 351 87 -87
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 15S, 40C M W.: 10S, 27C
Centroid Locotion:
Origin Time 14 46 25.1 0.2
Lot 11.52N 0.02 Lon 85.80W 0.02
Dep 75 7 1 7 Holf-durotion 7.5
Principol Axes
Scole 10**18 Nm
T Vol= 11 32 Plg=35 Azm= 73
N -2.74 16 332
P -8.58 51 222
Best Double Couple.Mo=1.0*10**18
NP1:Strike=212 Dip=18 Slip= -29
NP2: 330 82 -106

06 16 34 05.56 13.390S 76.226W 51km
5.9mb (75 obs.)
NEAR COAST OF PERU
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=170 Dip=72 Slip= 100
NP2: 320 21 62
Principol Axes:
T Plg=62 Azm= 95
P 26 252
Comment: The focol mechonism is poorly controlled ond corresponds to reverse foulting with o smoll left-loterol strike-slip component. The preferred foult plone is NP2.

06 19 14 57.15 32.986S 178.750W 45km
5.6mb (10 obs.) 5.8Msz (6 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 19:14:58.2 0.6
Lot 33.03S 0.06 Lon 178.25W 0.08
Dep 15.0 FIX Holf-duration 2.7
Principol Axes:
Scole 10**17 Nm
T Vol= 4.21 Plg=67 Azm=302
N 0.55 6 198
P -4.76 23 106
Best Double Couple:Mo=4.5*10**17
NP1:Strike=185 Dip=23 Slip= 75
NP2: 21 68 96

07 00 54 12.99 43.305N 147.894E 25km
5.4mb (64 obs.) 5.0Msz (2 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 00:54:18.6 1.3
Lot 43.10N 0.10 Lon 148.62E 0.16
Dep 15.0 FIX Holf-durotion 1.9
Principol Axes:
Scole 10**17 Nm
T Vol= 1.68 Plg=67 Azm=293
N 0.18 4 32
P -1.87 22 124
Best Double Couple:Mo=1.8*10**17
NP1:Strike=222 Dip=23 Slip= 101
NP2: 31 68 86

07 00 57 14.88 43.485N 147.792E 42km
5.3mb (42 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 00:57:13.1 1.8
Lot 42.96N 0.14 Lon 148 02E 0.21
Dep 15.0 FIX Holf-durotion 1.7
Principol Axes:
Scole 10**17 Nm
T Vol= 1.22 Plg=68 Azm=220
N 0.11 21 21
P -1.33 7 113
Best Double Couple:Mo=1.3*10**17
NP1:Strike=226 Dip=43 Slip= 122
NP2: 5 55 64

07 01 59 26.24 42.601N 143.751E 72km
6.1mb (80 obs.)
HOKKAIDO, JAPAN REGION
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=290 Dip=85 Slip= -90
NP2: 110 5 -90
Principol Axes:
T Plg=40 Azm= 20
P 50 200
Comment: The focol mechonism is poorly controlled ond corresponds to normol foulting The preferred foult plone is NP1.
RADIATED ENERGY
No. of sto: 8 Focol mech. M

Energy 1.6±0.4•10••13 Nm
MOMENT TENSOR SOLUTION
Dep 79 No. of sta: 10
Principal Axes:
Scale 10••17 Nm
T Val= 10.08 Plg=42 Azm= 36
N -0.79 21 286
P -9.29 40 177
Best Double Couple:Mo=9.7•10••17
NP1:Strike=199 Dip=21 Slip= 3
NP2: 106 89 111
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 26C
Centroid Location:
Origin Time 01:59:29.4 0.2
Lat 42.49N 0.02 Lon 143.36E 0.03
Dep 89.1 2.6 Half-duration 3.4
Principal Axes:
Scale 10••17 Nm
T Val= 7.32 Plg=45 Azm= 26
N 2.13 6 289
P -9.45 44 193
Best Double Couple:Mo=8.4•10••17
NP1:Strike=207 Dip= 6 Slip= 8
NP2: 109 89 96

08 17 49 48.37 19.146N 121.170E 31km
5.2mb (45 obs.) 5.2Msz (3 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 17.49:49 1 0.7
Lat 19.69N 0.09 Lon 121.62E 0.15
Dep 29.9 6.8 Half-duration 1.8
Principal Axes:
Scale 10••16 Nm
T Val= 10.45 Plg=58 Azm=103
N 1.94 16 220
P -12.40 27 318
Best Double Couple:Mo=1.1•10••17
NP1:Strike= 81 Dip=23 Slip= 134
NP2: 215 74 73

08 19 44 55.19 14.942N 120.135E 50km
5.6mb (70 obs.) 5 8Msz (18 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 23C
Centroid Location:
Origin Time 19:44:59.3 0.4
Lat 15.05N 0 04 Lon 119.81E 0.04
Dep 46.5 2.6 Half-duration 3.5
Principal Axes:
Scale 10••17 Nm
T Val= 8.19 Plg=65 Azm=178
N 0.78 24 16
P -8.97 7 283
Best Double Couple:Mo=8.6•10••17
NP1:Strike=348 Dip=43 Slip= 54
NP2: 213 56 119

08 22 44 02.50 42.321N 142.973E 70km
5.1mb (60 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 14C
Centroid Location:
Origin Time 22:44: 4.1 1.0
Lat 42.15N 0.09 Lon 143.25E 0.12
Dep 63.0 6.5 Half-duration 1.5
Principal Axes:
Scale 10••16 Nm
T Val= 7.37 Plg=72 Azm=263
N -0.62 11 28
P -6.75 15 121
Best Double Couple:Mo=7.1•10••16
NP1:Strike=227 Dip=32 Slip= 111
NP2: 22 60 77

09 12 22 03.70 29.907S 177.860W 54km
5.6mb (19 obs.)
KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 10S, 23C
Centroid Location:
Origin Time 12:22. 8.0 0.9
Lat 30.05S 0.07 Lon 177.83W 0.09
Dep 33.2 4.8 Half-duration 1.9
Principal Axes:
Scale 10••16 Nm
T Val= 12.31 Plg=66 Azm=250
N 0.42 9 2
P -12.73 22 95
Best Double Couple:Mo=1.3•10••17
NP1:Strike=202 Dip=25 Slip= 112
NP2: 358 67 80

10 10 04 12.48 7.202S 123.871E 578km
5.4mb (26 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 10:04:12.2 0.7
Lat 7.23S FIX;Lon 123.88E FIX
Dep 586.2 6.0 Half-duration 1.8
Principal Axes:
Scale 10••16 Nm
T Val= 10.54 Plg= 3 Azm=160
N -0.51 6 250
P -10.03 84 43
Best Double Couple:Mo=1.0•10••17
NP1:Strike=244 Dip=42 Slip= -98
NP2: 75 48 -83

11 17 27 58.38 11.125S 116.274E 41km
5.6mb (33 obs.) 4.8Msz (5 obs.)
SOUTH OF SUMBAWA ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centroid Location:
Origin Time 17:27:59.0 0.5
Lat 11.22S FIX;Lon 116.28E FIX
Dep 33.0 FIX Half-duration 2.1
Principal Axes:
Scale 10••17 Nm
T Val= 2.31 Plg=19 Azm=178
N -0.46 2 88
P -1.85 70 353
Best Double Couple:Mo=2.1•10••17
NP1:Strike=271 Dip=26 Slip= -87
NP2: 87 64 -92

13 03 22 58.59 22.823S 174.868W 33km
5.1mb (17 obs.) 5.2Msz (4 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 03:23: 2.4 2 0
Lat 22.74S 0.14 Lon 174.48W 0.18
Dep 24.1 7.5 Half-duration 1.6
Principal Axes:
Scale 10••16 Nm
T Val= 9.60 Plg=63 Azm=227
N 1.60 24 18
P -11.20 12 113
Best Double Couple:Mo=1.0•10••17
NP1:Strike=231 Dip=39 Slip= 130
NP2: 4 61 62

13 04 44 39.82 15 378S 174.965W 272km
5.7mb (38 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=158 Dip=80 Slip= 17
NP2: 65 73 170
Principal Axes:
T Plg=19 Azm= 22
P 5 291
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No of sta: 5 Focal mech. F
Energy 1.1±0.5•10••13 Nm
MOMENT TENSOR SOLUTION
Dep 259 No of sta: 6
Principal Axes:
Scale 10••17 Nm
T Val= 3.67 Plg=32 Azm= 21
N 0.09 49 157
P -3 76 23 276

Best Double Couple:Mo=3.7•10••17
NP1:Strike= 55 Dip=50 Slip= 173
NP2: 150 84 41
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 04:44:45.0 0.5
Lat 15.70S 0.05 Lon 174.73W 0.05
Dep 280.8 1.8 Half-duration 2.6
Principal Axes:
Scale 10••17 Nm
T Val= 3.66 Plg=44 Azm=117
N 0.63 24 1
P -4.29 36 251
Best Double Couple:Mo=4.0•10••17
NP1:Strike=282 Dip=25 Slip= 10
NP2: 182 86 115

13 14 51 39.65 41.039S 91.206W 10km
5.2mb (7 obs.) 4.9Msz (1 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 14:51:41.8 0.5
Lat 41.19S 0.06 Lon 91.23W 0.08
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10••17 Nm
T Val= 1.38 Plg= 0 Azm=230
N -0.04 90 180
P -1.35 0 140
Best Double Couple:Mo=1.4•10••17
NP1:Strike=275 Dip=90 Slip= 180
NP2: 5 90 0

15 08 22 05.58 43.779N 147.737E 57km
5.4mb (61 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 08:22: 7.4 0.8
Lat 43.75N 0.08 Lon 147.67E 0.08
Dep 55.1 5.3 Half-duration 2.2
Principal Axes:
Scale 10••17 Nm
T Val= 2.17 Plg=44 Azm= 5
N 0.06 42 213
P -2.22 15 110
Best Double Couple:Mo=2.2•10••17
NP1:Strike=158 Dip=48 Slip= 25
NP2: 51 72 135

15 18 26 16.70 43.953S 168.625E 10km
5.6mb (8 obs.) 5.0Msz (4 obs.)
OFF W. COAST OF S. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 18:26:14.3 0.5
Lat 43.91S 0.10 Lon 169.23E 0.13
Dep 15.0 FIX Half-duration 1.9
Principal Axes.
Scale 10••16 Nm
T Val= 6.49 Plg=53 Azm=185
N 3.97 26 56
P -10.46 25 313
Best Double Couple:Mo=8.5•10••16
NP1:Strike= 1 Dip=30 Slip= 31
NP2: 243 75 117

16 06 29 49.39 6.547S 130.288E 97km
5.2mb (16 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 06:29:51.6 1.5
Lat 6.60S 0.13 Lon 130.86E 0.27
Dep 119.311.9 Half-duration 1.5
Principal Axes
Scale 10••16 Nm
T Val= 9 83 Plg=12 Azm=264
N -3.33 47 6
P -6 51 41 163
Best Double Couple.Mo=8.2•10••16
NP1:Strike=312 Dip=53 Slip=-156

NP2: 207 71 -40

16 07 01 10.95 12.548S 166.477E 60km
5.2mb (13 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 12C
Centroid Location:
Origin Time 07:01:10.3 0.8
Lat 12.50S 0.11 Lon 166.21E 0.10
Dep 58.311.0 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.40 Plg=79 Azm=337
N 0.03 11 169
P -5.43 2 79
Best Double Couple:Mo=5.4*10**16
NP1:Strike=157 Dip=44 Slip= 74
NP2: 359 48 105

16 23 07 36.61 13.941S 166.335E 16km
6.0mb (33 obs.) 5.7Msz (32 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=355 Dip=45 Slip= -90
NP2: 175 45 -90
Principal Axes:
T Plg= 0 Azm= 85
P 90 0
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 1.5±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 29 No. of sta: 12
Principal Axes:
Scale 10**18 Nm
T Val= 1.34 Plg=14 Azm=271
N 0.05 10 4
P -1.39 72 128
Best Double Couple:Mo=1.4*10**18
NP1:Strike=347 Dip=32 Slip=-109
NP2: 190 60 -78
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 23:07:44.7 0.5
Lat 13.87S 0.03 Lon 165.98E 0.04
Dep 41.5 1.8 Half-duration 3.9
Principal Axes:
Scale 10**18 Nm
T Val= 1.40 Plg=17 Azm=108
N -0.34 12 202
P -1.06 69 325
Best Double Couple:Mo=1.2*10**18
NP1:Strike=180 Dip=30 Slip=-115
NP2: 28 63 -76

17 14 25 53.07 11.401S 170.658E 30km
5.7mb (27 obs.) 6 0Msz (25 obs.)
SANTA CRUZ ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C
Centroid Location:
Origin Time 14:25:59.3 0.6
Lat 11.41S 0.04 Lon 170.63E 0.04
Dep 15.0 FIX Half-duration 4.6
Principal Axes:
Scale 10**18 Nm
T Val= 2.63 Plg= 5 Azm=119
N -0.79 50 23
P -1.84 40 213
Best Double Couple:Mo=2.2*10**18
NP1:Strike=248 Dip=59 Slip= -27
NP2: 353 67 -146

18 05 17 42.55 38.418N 20.479E 26km
5 4mb (41 obs.)
GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P B.: 7S, 14C
Centroid Location:
Origin Time 05:17:40.3 1.6
Lat 37.70N 0.17 Lon 19.88E 0.14
Dep 22.6 5.5 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.19 Plg=82 Azm=225
N -0.25 3 339
P -0.94 7 69
Best Double Couple:Mo=1.1*10**17
NP1:Strike=163 Dip=38 Slip= 95
NP2: 336 52 86

18 05 39 51.39 13.490N 44.857W 10km
5.3mb (68 obs.) 5.5Msz (7 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 05:39:57.7 0.3
Lat 13.51N FIX;Lon 44.85W FIX
Dep 15.0 FIX Half-duration 3.3
Principal Axes:
Scale 10**17 Nm
T Val= 6.29 Plg= 4 Azm=273
N -1.39 14 4
P -4.89 76 166
Best Double Couple:Mo=5.6*10**17
NP1:Strike=348 Dip=43 Slip=-111
NP2: 195 51 -72

18 06 13 46.42 52.114N 174.176E 33km
5.2mb (63 obs.) 4.9Msz (5 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 06:13:51.5 1.2
Lat 52.09N FIX;Lon 174.24E FIX
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.09 Plg=53 Azm=288
N -0.15 12 34
P -1.94 35 133
Best Double Couple:Mo=2.0*10**17
NP1:Strike=267 Dip=16 Slip= 143
NP2: 32 81 77

18 23 07 20.87 38.594S 175.732E 165km
4.9mb (4 obs.)
NORTH ISLAND, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 23:07:24.6 1.9
Lat 38.13S 0.17 Lon 175.82E 0.16
Dep 168.7 3.3 Half-duration 1 4
Principal Axes:
Scale 10**16 Nm
T Val= 6.24 Plg=68 Azm= 4
N -0.87 21 201
P -5.37 6 109
Best Double Couple:Mo=5.8*10**16
NP1:Strike=177 Dip=43 Slip= 58
NP2: 37 54 117

19 10 46 04.25 2.508N 82.935W 10km
5.0mb (26 obs.) 4.4Msz (1 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 10:46: 6.5 0.7
Lat 2.41N 0.06 Lon 82.56W 0.09
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 5.60 Plg= 0 Azm=229
N -0.91 90 180
P -4.69 0 139
Best Double Couple:Mo=5.1*10**16
NP1:Strike=274 Dip=90 Slip= 180
NP2: 4 90 0

20 03 19 54.19 17.473S 69.470W 125km
5.5mb (64 obs.)
PERU-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 03:20: 1.9 0.4
Lat 17.51S 0.04 Lon 69.62W 0.05
Dep 136.7 2.2 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.35 Plg=24 Azm= 73
N 0.00 17 335
P -3.35 60 213
Best Double Couple:Mo=3.4*10**17
NP1:Strike=194 Dip=26 Slip= -49
NP2: 329 71 -108

20 09 17 27.14 15.241S 173.892W 101km
5 5mb (32 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 09:17:33.5 0.5
Lat 14.75S 0.05 Lon 173.97W 0.05
Dep 90.1 2.8 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.88 Plg=33 Azm=173
N 0.09 38 53
P -3.97 35 290
Best Double Couple:Mo=3.9*10**17
NP1:Strike=320 Dip=38 Slip= -2
NP2: 52 89 -128

20 10 18 01.27 0.493S 91.668W 10km
5.3mb (40 obs.)
GALAPAGOS ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centroid Location:
Origin Time 10:18: 1.5 1.2
Lat 0.76S 0.09 Lon 91.54W 0.11
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 0.86 Plg= 0 Azm=177
N 0.31 90 180
P -1.18 0 87
Best Double Couple:Mo=1.0*10**17
NP1:Strike=222 Dip=90 Slip= 180
NP2: 312 90 0

20 14 58 43.53 8.116N 38.413W 10km
5.8mb (56 obs.) 5.9Msz (25 obs.)
CENTRAL MID-ATLANTIC RIDGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=102 Dip=90 Slip=-180
NP2: 12 90 0
Principal Axes:
T Plg= 0 Azm= 57
P 0 147
Comment: The focal mechanism is moderately well controlled and corresponds to right-lateral strike slip faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 4 Focal mech. f
Energy 2.9±0.8*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 36 No. of sta: 10
Principal Axes:
Scale 10**18 Nm
T Val= 1.21 Plg= 3 Azm=231
N 0.62 76 129
P -1.83 13 322
Best Double Couple:Mo=1.5*10**18
NP1:Strike= 5 Dip=79 Slip= -7
NP2: 97 83 -168
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 16S, 43C
Centroid Location:
Origin Time 14:58:50.2 0.2
Lat 8.20N 0.02 Lon 38.51W 0.02
Dep 15.0 FIX Half-duration 3.5
Principal Axes:
Scale 10**18 Nm
T Val= 1.25 Plg=11 Azm= 43
N -0.08 79 224
P -1.18 0 133
Best Double Couple:Mo=1.2*10**18
NP1:Strike=178 Dip=82 Slip= 8
NP2: 87 82 172

21 00 08 24.88 1.131S 98.223E 28km

5.1mb (20 obs.) 5.3Msz (1 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 00:08:26.9 0.6
Lat 1.07S 0.07 Lon 97.53E 0.09
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	T Val=	Plg=	Azm=
T	2.70	53	51
N	0.19	1	143
P	-2.89	37	234

Best Double Couple:Mo=2.8*10**17
NP1:Strike=330 Dip= 8 Slip= 97
NP2: 143 82 89

21 14 28 39.79 32.833S 71.704W 42km
5.5mb (24 obs.) 5.7Msz (4 obs.)
NEAR COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C
Centroid Location:
Origin Time 14:28:49.7 0.2
Lat 32.92S 0.05 Lon 71.57W 0.09
Dep 15.0 FIX Half-duration 3.7
Principal Axes:
Scale 10**18 Nm

	T Val=	Plg=	Azm=
T	1.90	46	81
N	-0.16	3	175
P	-1.75	44	268

Best Double Couple:Mo=1.8*10**18
NP1:Strike= 64 Dip= 4 Slip= 159
NP2: 175 89 87

21 15 15 43.51 0.788N 30.317W 10km
5.5mb (64 obs.) 5.6Msz (6 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 15:15:51.7 0.5
Lat 0.71N 0.04 Lon 29.85W 0.06
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**17 Nm

	T Val=	Plg=	Azm=
T	8.40	13	36
N	-0.56	77	201
P	-7.84	3	305

Best Double Couple:Mo=8.1*10**17
NP1:Strike= 80 Dip=79 Slip= 173
NP2: 171 84 11

21 20 26 56.11 5.937S 148.662E 77km
5.3mb (17 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 20:26:59.3 0.4
Lat 6.09S 0.03 Lon 149.00E 0.05
Dep 49.4 4.0 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	T Val=	Plg=	Azm=
T	1.47	78	44
N	0.11	8	274
P	-1.58	9	183

Best Double Couple:Mo=1.5*10**17
NP1:Strike=264 Dip=37 Slip= 77
NP2: 100 54 99

21 22 11 20.18 3.716S 151.387E 17km
5.2mb (10 obs.) 4.9Msz (2 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 22:11:22.2 0.7
Lat 3.85S 0.07 Lon 151.66E 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	T Val=	Plg=	Azm=
T	13.49	24	321
N	-2.30	17	223
P	-11.19	60	101

Best Double Couple:Mo=1.2*10**17
NP1:Strike= 82 Dip=26 Slip= -49
NP2: 217 71 -108

22 09 39 55.98 53.619N 163.267W 33km
5.7mb (78 obs.) 5.7Msz (14 obs.)
UNIMAK ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 09:39:55.6 0.5
Lat 53.47N 0.04 Lon 163.01W 0.06
Dep 19.5 2.1 Half-duration 3.8
Principal Axes:
Scale 10**17 Nm

	T Val=	Plg=	Azm=
T	9.14	62	344
N	1.68	6	243
P	-10.82	27	150

Best Double Couple:Mo=1.0*10**18
NP1:Strike=226 Dip=19 Slip= 72
NP2: 65 72 96

22 12 47 25.82 17.376S 69.381W 170km
5.3mb (53 obs.)
PERU-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 12:47:32.8 0.4
Lat 17.17S 0.07 Lon 69.40W 0.08
Dep 178.8 1.8 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	T Val=	Plg=	Azm=
T	1.93	44	80
N	-0.38	7	177
P	-1.55	45	274

Best Double Couple:Mo=1.7*10**17
NP1:Strike= 92 Dip= 7 Slip=-175
NP2: 357 89 -83

22 19 18 47.60 62.198N 124.189W 10km
5.2mb (61 obs.) 4.2Msz (2 obs.)
NORTHWEST TERRITORIES, CANADA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 19:18:50.3 1.9
Lat 62.07N 0.21 Lon 124.41W 0.38
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

	T Val=	Plg=	Azm=
T	3.68	64	180
N	-0.51	18	313
P	-3.18	18	49

Best Double Couple:Mo=3.4*10**16
NP1:Strike=165 Dip=32 Slip= 127
NP2: 304 65 70

23 00 28 04.81 28.439S 68.634W 117km
5.6mb (54 obs.)
LA RIOJA PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 00:28:12.1 0.4
Lat 28.87S 0.05 Lon 68.90W 0.06
Dep 105.7 2.9 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	T Val=	Plg=	Azm=
T	1.75	16	230
N	-0.21	0	140
P	-1.53	74	50

Best Double Couple:Mo=1.6*10**17
NP1:Strike=320 Dip=29 Slip= -90
NP2: 140 61 -90

23 22 54 27.82 10.487S 152.292E 29km
5.4mb (17 obs.) 4.8Msz (4 obs.)
DENTRECASTEAUX ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Location:
Origin Time 22:54:27.4 0.5
Lat 10.80S 0.05 Lon 152.37E 0.06
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	T Val=	Plg=	Azm=
T	9.29	7	346
N	1.05	12	254
P	-10.34	75	106

Best Double Couple:Mo=9.8*10**16
NP1:Strike= 90 Dip=39 Slip= -70
NP2: 245 54 -106

25 04 39 25.91 10.473S 152.269E 26km
5.3mb (13 obs.) 4.8Msz (3 obs.)
DENTRECASTEAUX ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 40C
Centroid Location:
Origin Time 04:39:26.2 0.4
Lat 10.78S 0.04 Lon 152.57E 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	T Val=	Plg=	Azm=
T	2.35	11	343
N	0.32	25	248
P	-2.67	62	96

Best Double Couple:Mo=2.5*10**17
NP1:Strike=101 Dip=40 Slip= -49
NP2: 233 61 -119

25 14 05 17.67 50.549N 174.571W 40km
5.7mb (78 obs.) 4.9Msz (14 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 40C
Centroid Location:
Origin Time 14:05:14.8 0.4
Lat 50.88N 0.03 Lon 174.28W 0.07
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	T Val=	Plg=	Azm=
T	2.96	11	166
N	-0.25	9	75
P	-2.71	76	307

Best Double Couple:Mo=2.8*10**17
NP1:Strike=268 Dip=35 Slip= -74
NP2: 69 57 -101

26 19 01 34.46 49.084N 128.340W 10km
5.1mb (29 obs.) 4.8Msz (5 obs.)
VANCOUVER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 19:01:38.3 0.9
Lat 48.70N 0.10 Lon 129.13W 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	T Val=	Plg=	Azm=
T	8.63	2	71
N	-2.08	88	251
P	-6.54	0	161

Best Double Couple:Mo=7.6*10**16
NP1:Strike=206 Dip=88 Slip= 2
NP2: 116 88 178

27 02 44 21.69 25.058S 176.979W 94km
5.2mb (14 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 02:44:24.5 0.6
Lat 24.99S 0.06 Lon 177.04W 0.06
Dep 78.3 5.1 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	T Val=	Plg=	Azm=
T	9.61	62	143
N	1.71	7	41
P	-11.32	28	307

Best Double Couple:Mo=1.0*10**17
NP1:Strike= 20 Dip=18 Slip= 69
NP2: 223 73 97

28 16 27 24.15 17.852S 178.662W 559km
5.7mb (47 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=150 Dip=83 Slip= 90
NP2: 330 7 90
Principal Axes:

	Plg=	Azm=
T	52	60
P	38	240

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY

No. of sta: 6 Focal mech. C
Energy 2.3±0.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 560 No. of sta: 8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.59	54	38
N	0.64	16	151
P	-3.23	32	251

Best Double Couple:Mo=2.9*10**17

	Strike=	Dip=	Slip=
NP1:	24	20	144
NP2:	148	79	74

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C
Centroid Location:
Origin Time 16:27:37.2 0.7
Lat 17.47S 0.06 Lon 179.20W 0.05
Dep 575.9 2.5 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.12	37	20
N	0.46	41	152
P	-4.58	27	268

Best Double Couple:Mo=4.4*10**17

	Strike=	Dip=	Slip=
NP1:	49	42	170
NP2:	146	84	48

29 06 24 21.08 16.588S 172.642W 33km
5.3mb (19 obs.) 5.0Msz (7 obs.)

SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 06:24:20.5 0.9
Lat 17.08S 0.06 Lon 172.14W 0.08
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.26	62	258
N	0.21	10	7
P	-2.46	26	102

Best Double Couple:Mo=2.4*10**17

	Strike=	Dip=	Slip=
NP1:	214	21	118
NP2:	4	71	79

30 21 11 11.31 7.501S 128.325E 86km
6.5mb (36 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	90	65	90
NP2:	270	25	90

Principal Axes:

	Plg=	Azm=
T	70	0
P	20	180

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 11 Focal mech. M
Energy 1.0±0.2*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 96 No. of sta: 12
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	2.36	67	296
N	-0.01	22	101
P	-2.35	5	193

Best Double Couple:Mo=2.4*10**19

	Strike=	Dip=	Slip=
NP1:	305	44	122
NP2:	84	54	63

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 40C M.W.: 9S, 25C
Centroid Location:
Origin Time 21:11:18.7 0.2
Lat 7.81S 0.02 Lon 128.27E 0.02
Dep 80.5 1.0 Half-duration 10.0
Principal Axes:
Scale 10**19 Nm

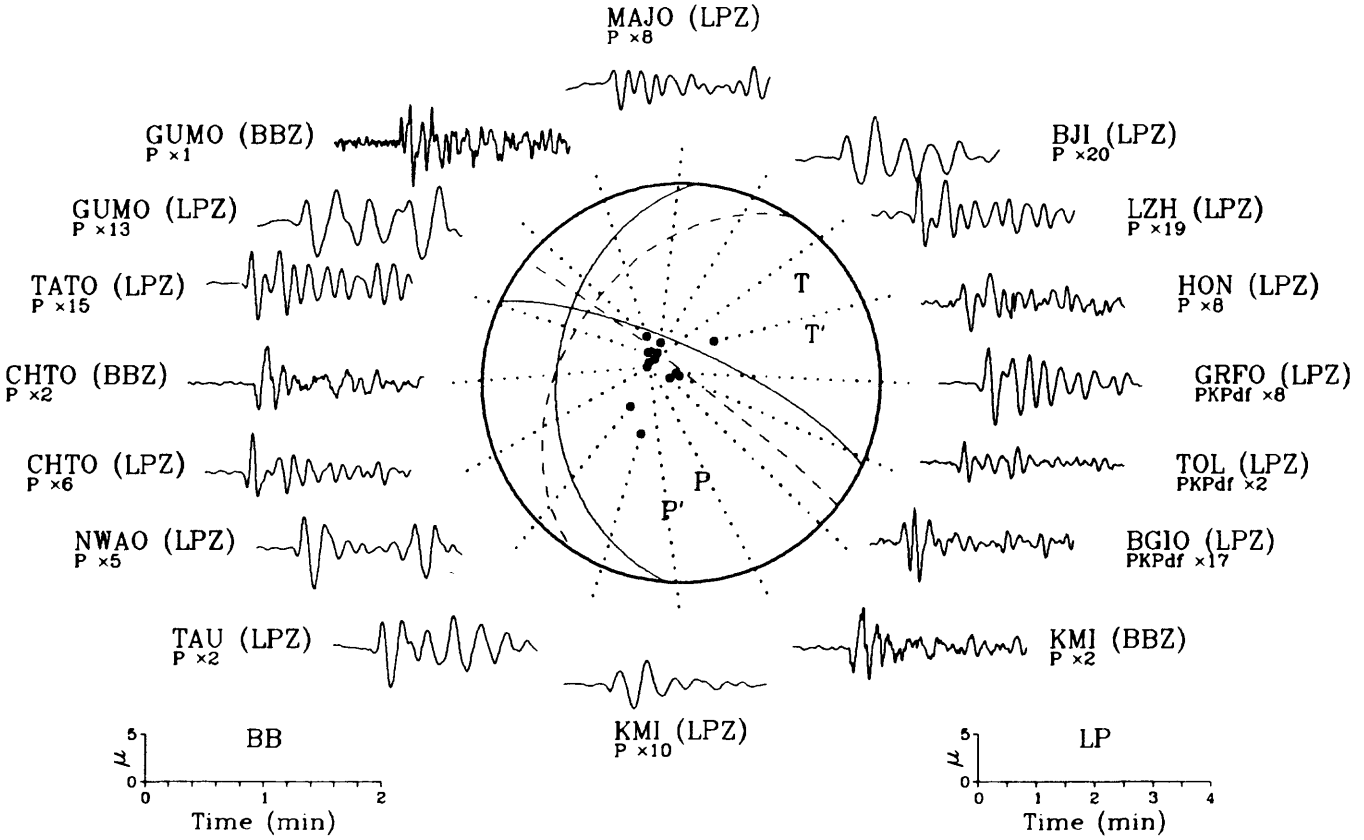
	Val=	Plg=	Azm=
T	1.90	64	350
N	0.17	10	100
P	-2.06	24	194

Best Double Couple:Mo=2.0*10**19

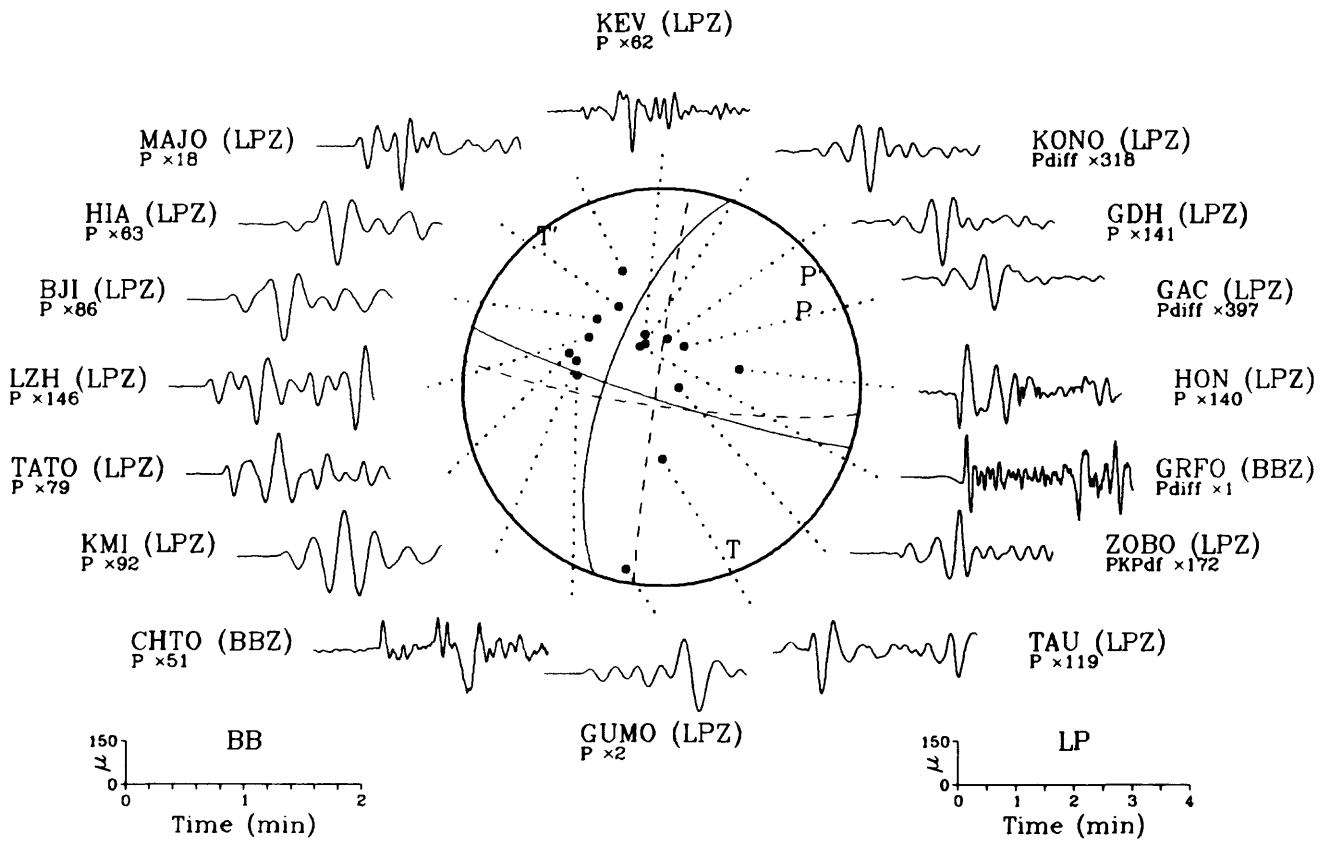
	Strike=	Dip=	Slip=
NP1:	304	22	116
NP2:	96	70	80

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

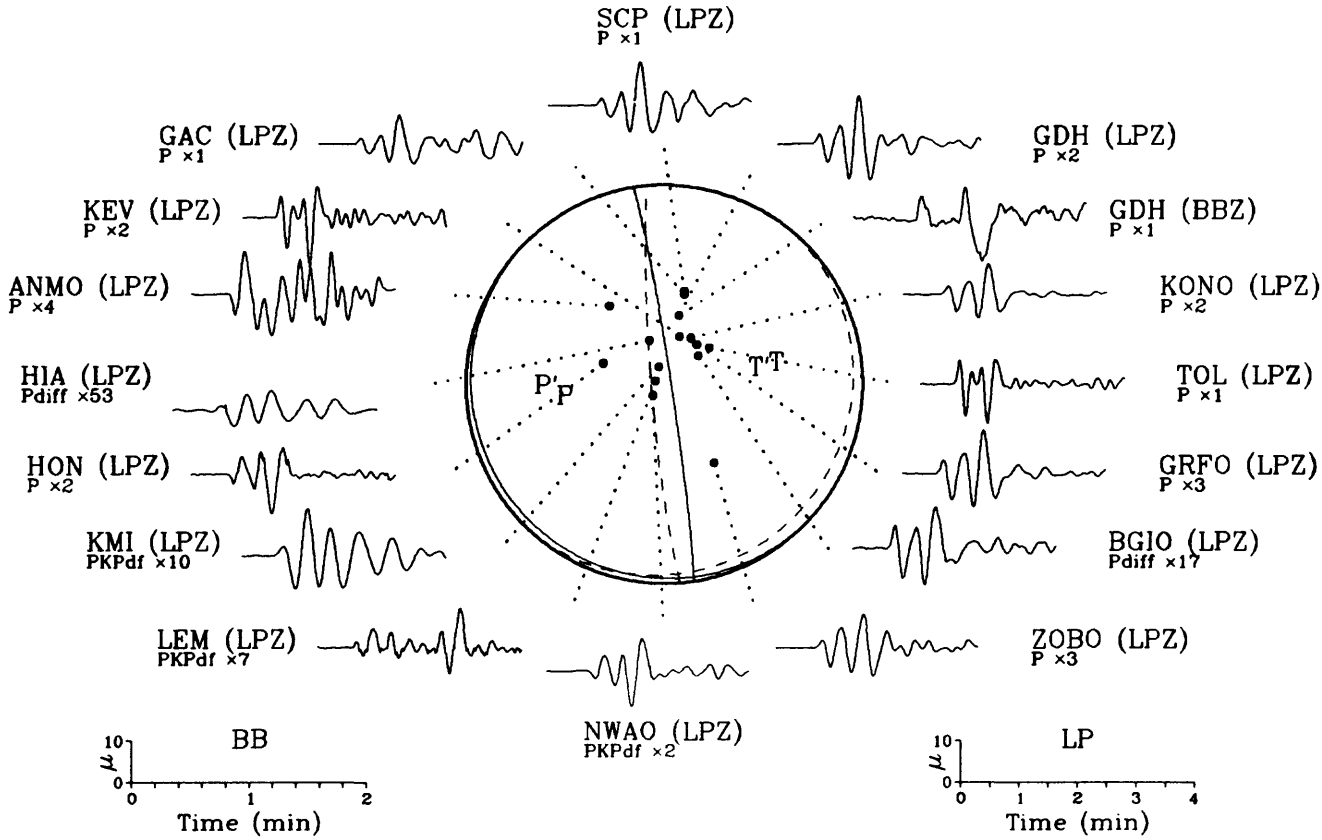
03 May 1988 23:22:07.68
Loyalty Islands Region



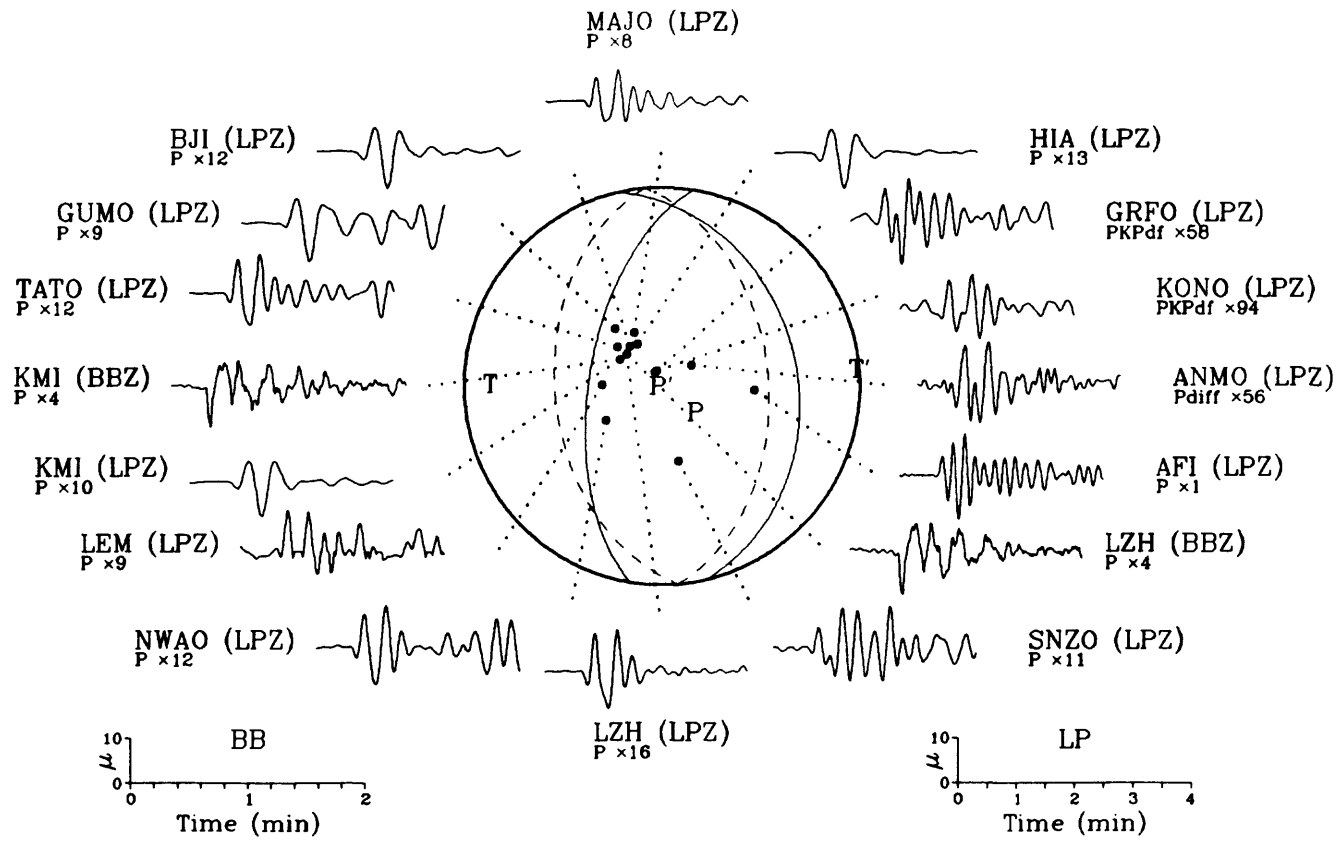
04 May 1988 23:47:02.44
Mariana Islands



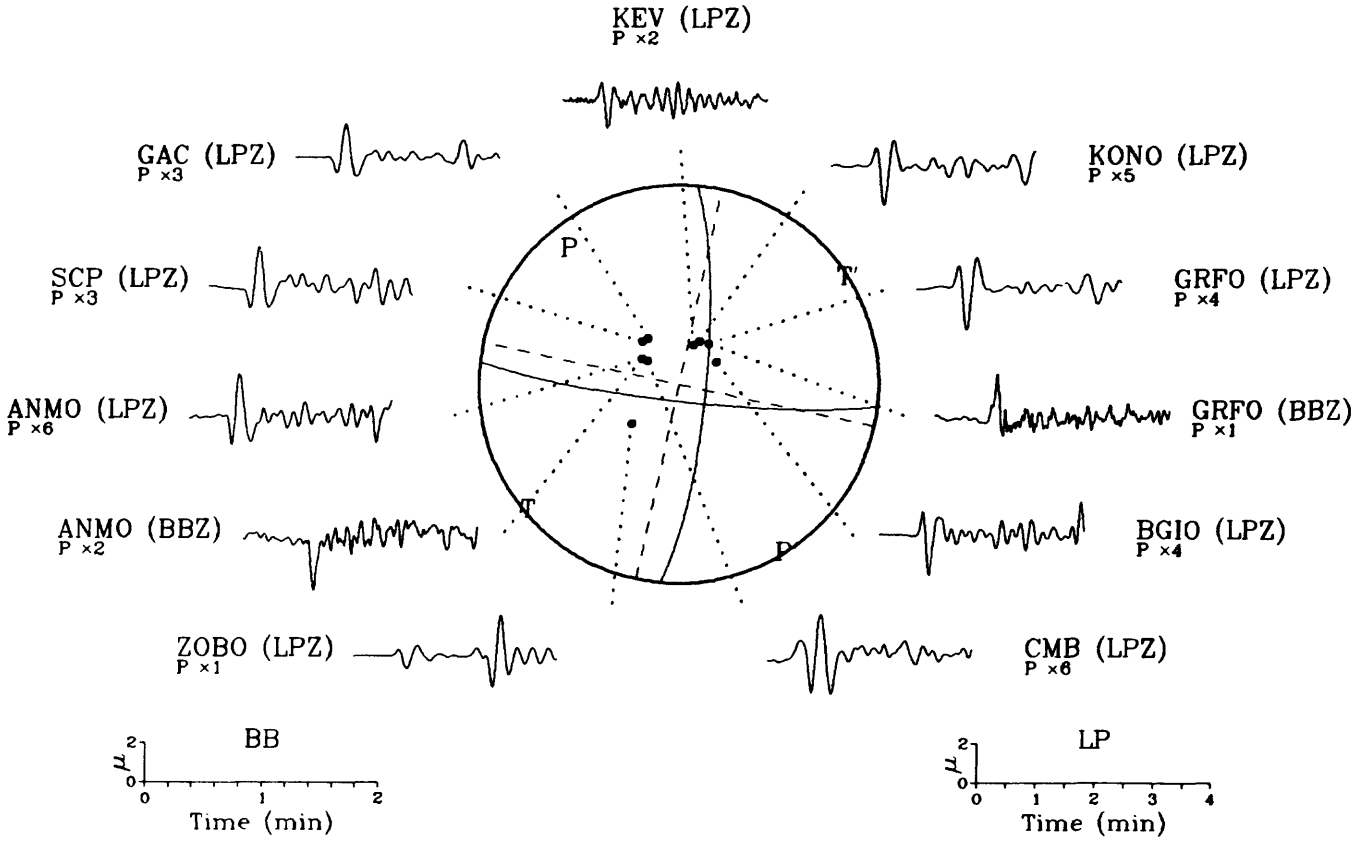
06 May 1988 14:46:17.01
Nicaragua



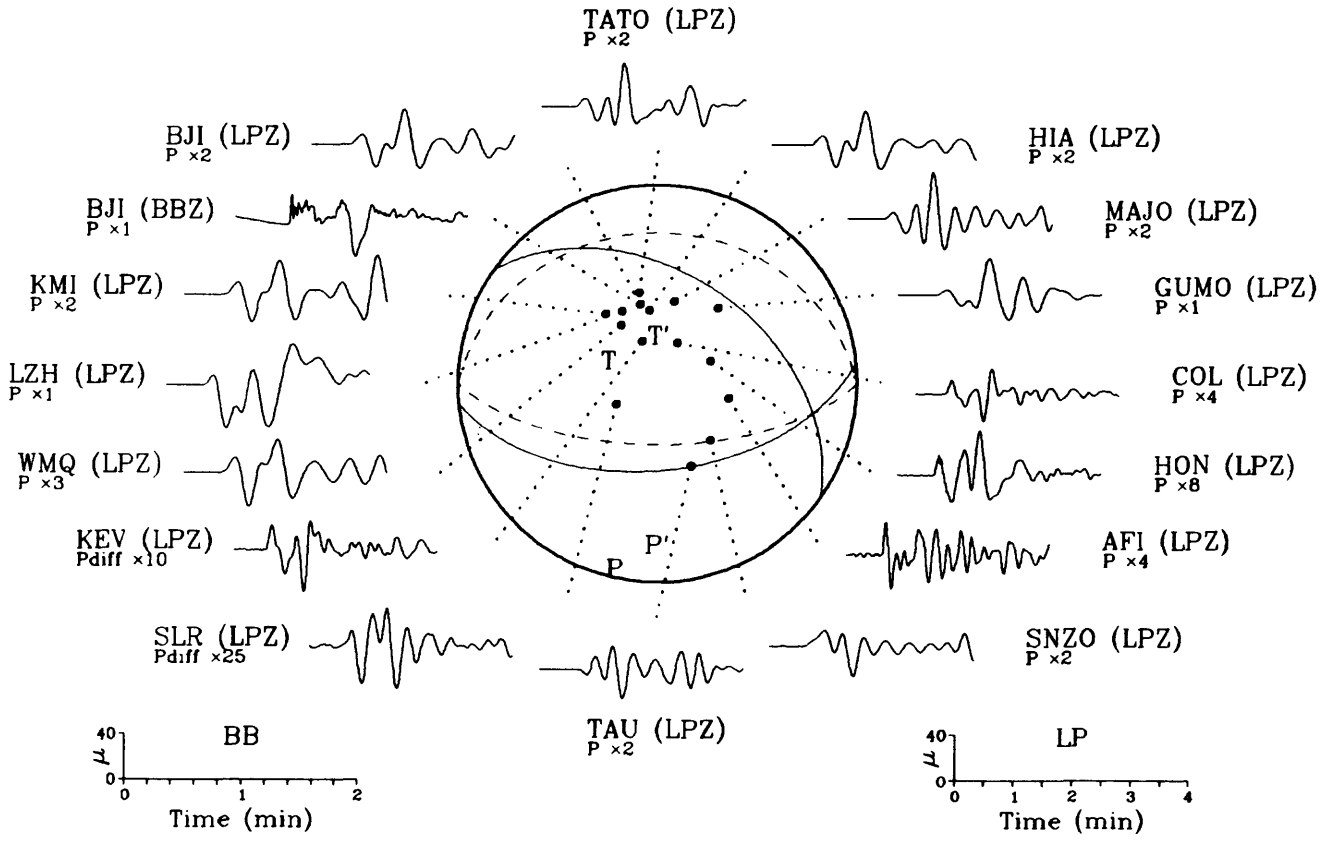
16 May 1988 23:07:36.61
Vanuatu Islands



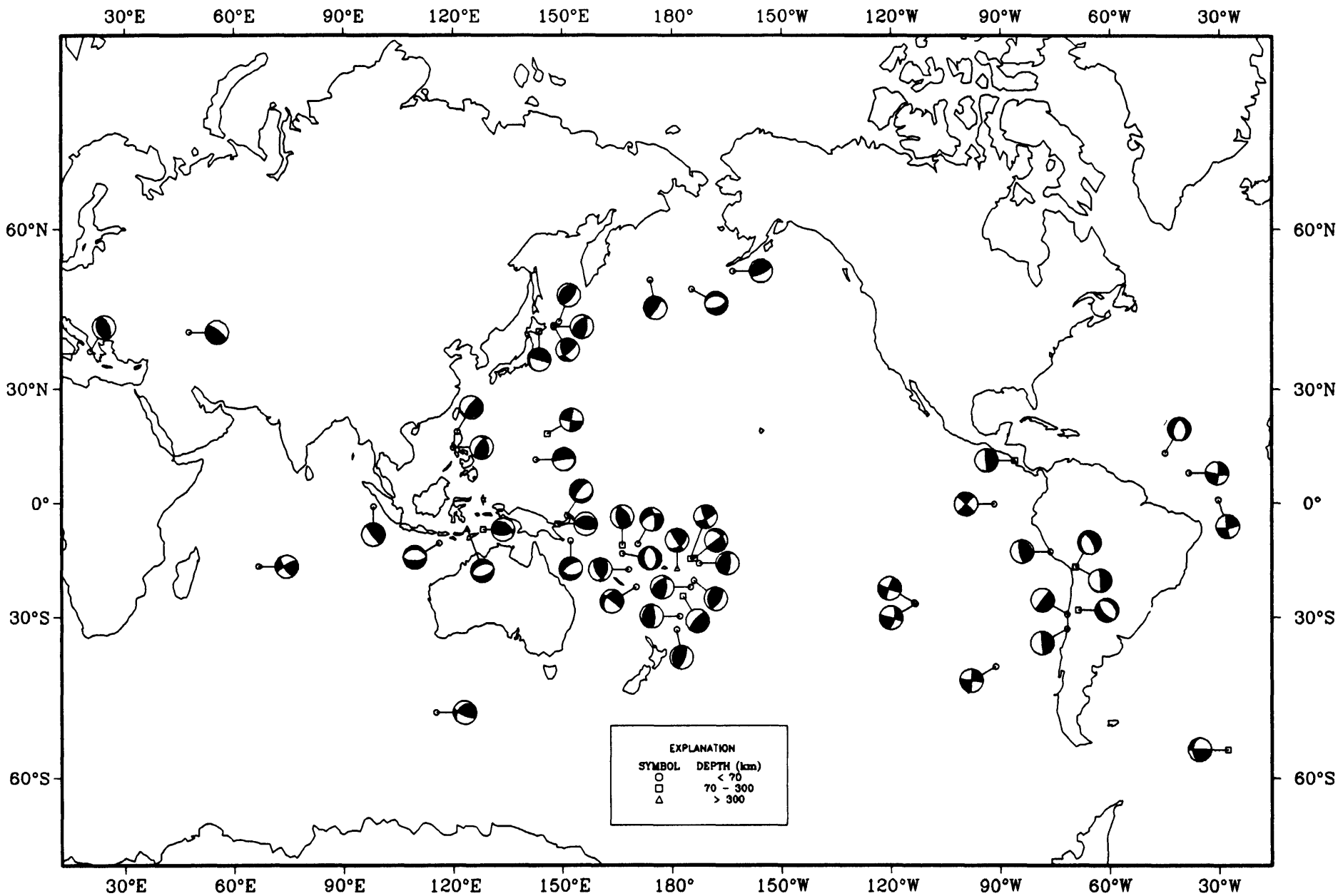
20 May 1988 14:58:43.53
Central Mid-Atlantic Ridge

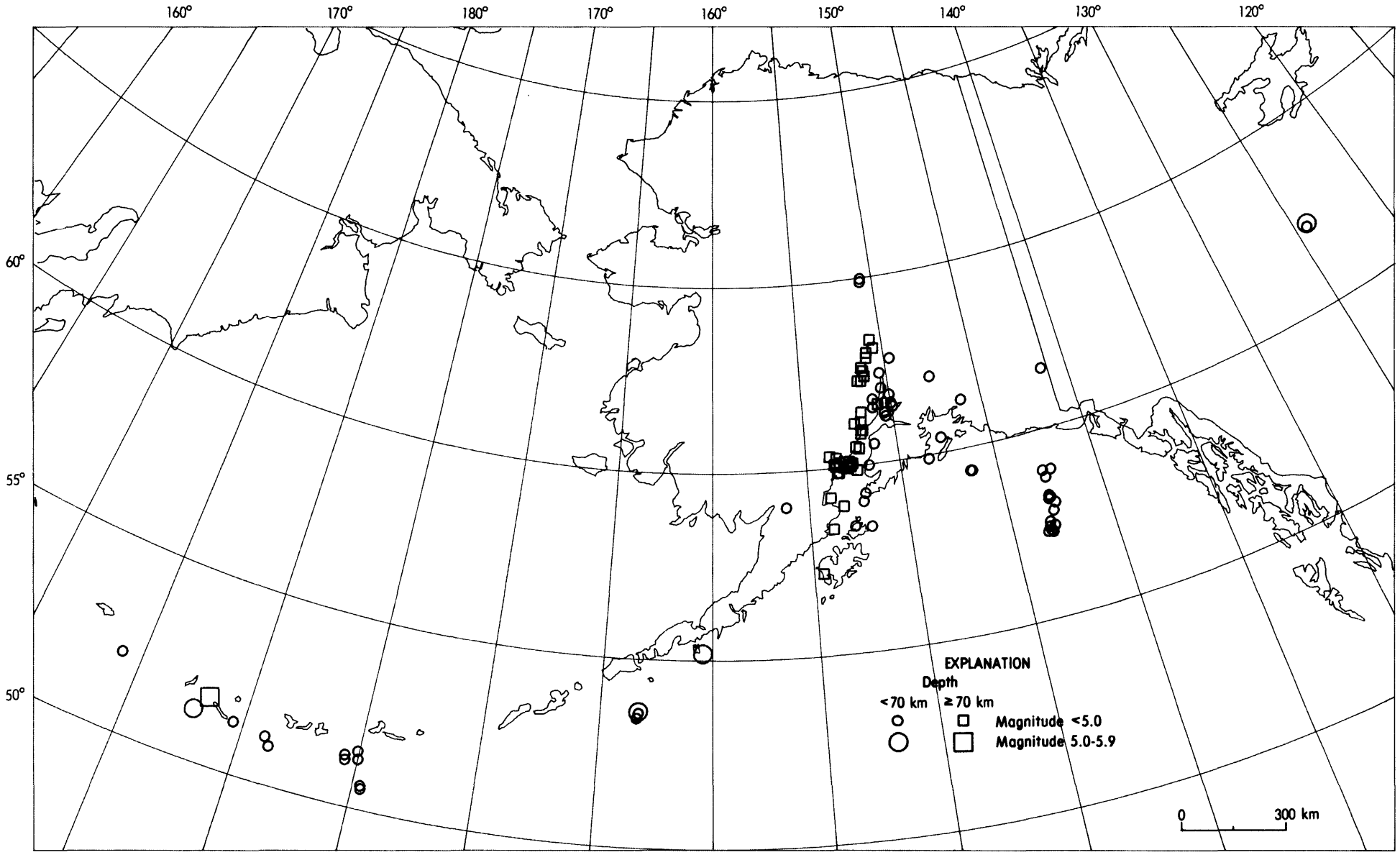


30 May 1988 21:11:11.31
Banda Sea

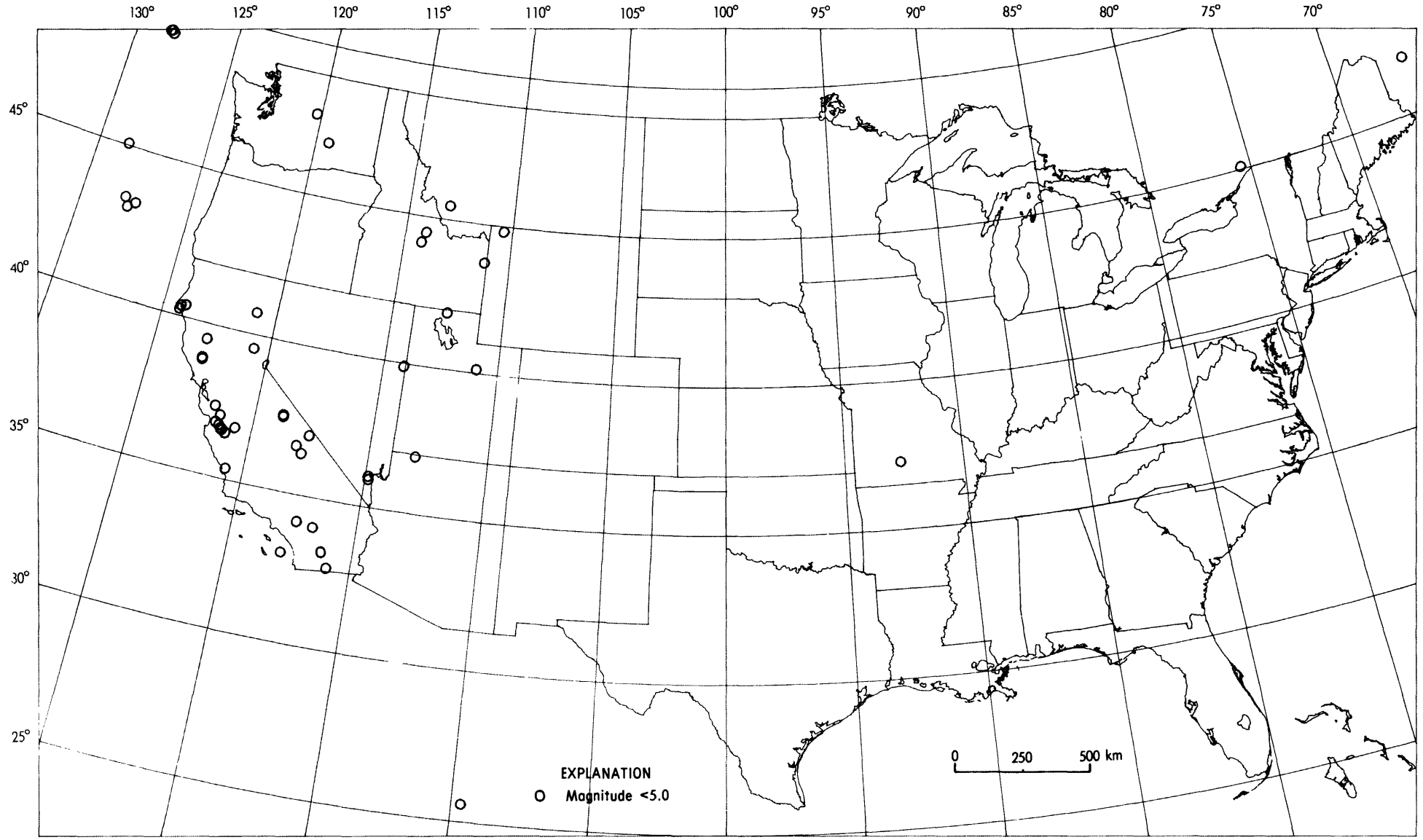


Earthquake Focal Mechanisms for May 1988

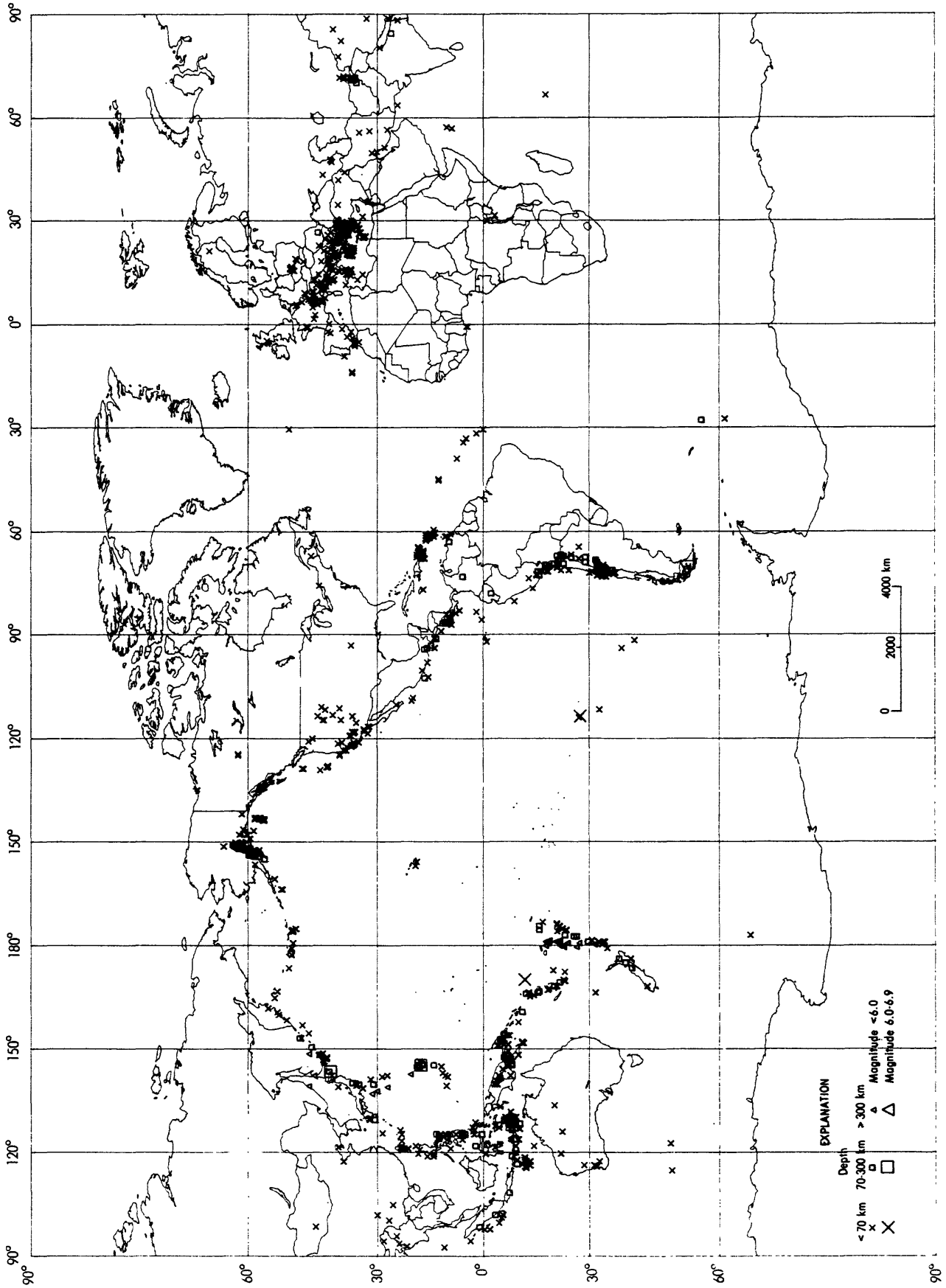




Earthquake epicenters in Alaska and adjacent regions for May, 1988 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for May, 1988 (C. Stover).



Earthquakes located in May, 1988 (C. Stover).

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

JUNE 1988

K E Y	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 04 31.9*	50.890 N	14.827 E	10 G			1.4	5	CZECHOSLOVAKIA
	01	00 14 05.0*	23.181 S	66.818 W	255 *			1.1	8	JUJUY PROVINCE, ARGENTINA
	01	01 05 13.8%	37.898 N	28.955 E	10 G			1.5	7	TURKEY
	01	03 31 14.1*	44.010 N	7.949 E	10 G			0.6	6	NORTHERN ITALY. ML 2.8 (LDG).
	01	03 55 46.4?	19.54 N	66.14 W	10 G			0.3	6	PUERTO RICO REGION
	01	05 24 08.3*	7.547 S	128.701 E	33 N	3.7		1.4	17	BANDA SEA
	01	07 41 18.4	29.840 S	71.657 W	50 *	4.9		1.1	63	NEAR COAST OF CENTRAL CHILE
	01	07 51 15.4%	39.062 N	27.624 E	10 G			0.2	5	TURKEY
	01	08 13 39.2	44.277 N	129.250 W	10 G	4.1		0 7	100	OFF COAST OF OREGON
	01	08 42 16.8%	42.474 N	19.756 E	10 G			0.6	5	YUGOSLAVIA. ML 2.2 (TTG).
	01	09 09 14.9*	34.839 N	138 146 E	30 *			1 4	10	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro, Omaezaki and Shizuoka.
	01	09 10 18.5*	39.817 N	141.790 E	84	4 7		1 1	23	HONSHU, JAPAN. Felt (II JMA) at Miyako, Morioka and Hachinohe; (I JMA) at Ofunato.
	01	11 53 34.9?	19 41 S	175.56 W	215 ?	5.1		1 1	13	TONGA ISLANDS
	01	12 50 50.9	6.567 S	127.530 E	410 *	4.6		1.2	24	BANDA SEA
	01	13 41 37.9%	40 817 N	30.237 E	10 G			1.2	8	TURKEY
	01	15 38 15.8*	43.881 N	8.642 E	10 G			1.1	8	CORSICA. ML 2.9 (LDG).
	01	16 34 34.0	50 401 N	5.958 E	10 G			0.7	15	BELGIUM. ML 2.9 (LDG).
	01	16 55 28.8?	32.96 S	72.06 W	10 G			0 5	11	OFF COAST OF CENTRAL CHILE
	01	17 50 58.6*	2.231 S	138.504 E	33 N	4.0		1 3	12	WEST IRIAN
	01	18 31 33.7?	19.03 N	64.85 W	10 G			0 1	6	VIRGIN ISLANDS
	01	18 56 29 5*	6.770 N	72.528 W	155 *	4 3		1 4	11	NORTHERN COLOMBIA
	01	21 01 06.3%	42.234 N	19.176 E	10 G			0 4	7	YUGOSLAVIA. ML 2.2 (TTG).
	01	22 01 20 1?	5.77 S	147.07 E	214 ?	5.0		1 3	11	EAST PAPUA NEW GUINEA REGION
	01	22 03 57 5	42.454 N	16.726 E	10 G			0 9	7	ADRIATIC SEA. MD 2.8 (ROM).
	01	22 56 48 7&	40.307 N	120.488 W	15				9	NORTHERN CALIFORNIA <BRK>. ML 3.4 (BRK). Felt at Susanville.
	01	23 00 46.1%	44.568 N	6 897 E	10 G			0 1	5	FRANCE. ML 2.3 (LDG).
	01	23 07 55.6	48.048 N	0.731 E	10 G			0 7	10	FRANCE. ML 2.4 (LDG).
	01	23 26 40.3?	9 35 S	124.29 E	33 N			1 4	9	TIMOR
	02	02 53 45.4?	26.82 S	108.16 W	10 G	4.7		1.3	19	EASTER ISLAND REGION
	02	03 03 29.7	6.866 N	73.031 W	156	5.1		0.9	85	NORTHERN COLOMBIA
	02	03 10 03.6*	32.960 S	72.080 W	10 G			0 5	11	OFF COAST OF CENTRAL CHILE
	02	03 31 29.7*	33.763 S	71.529 W	10 G			1 0	7	NEAR COAST OF CENTRAL CHILE
	02	05 27 18.7?	7.42 S	129.39 E	177 ?	4.3		1 1	7	BANDA SEA
	02	05 39 35.5	30.677 N	101.256 E	10 G	4.2		1.4	22	SICHUAN PROVINCE, CHINA. Felt in western Sichuan Province.
	02	06 02 12.4?	16.81 S	168.40 E	33 N	4.6	4.2	0.6	9	VANUATU ISLANDS
	02	06 11 42.5	30.624 N	101.453 E	10 G	4.7	4.5	1.4	41	SICHUAN PROVINCE, CHINA. Felt in western Sichuan Province.
	02	07 34 18.8	36.272 N	26.715 E	132 ?	4.0		0.9	25	DODECANESE ISLANDS
	02	08 20 29.6%	40.210 N	27.857 E	10 G			0 5	7	TURKEY
	02	08 25 45.9%	40.564 N	28.987 E	10 G			0.0	6	TURKEY
	02	08 56 46.8%	39.148 N	27.640 E	10 G			0 6	6	TURKEY
	02	09 02 33.2	49.165 N	6.858 E	10 G			0 4	7	GERMANY. MD 2.0 (STR).
	02	09 47 14.8%	45.801 N	27.270 E	10 G			1 1	7	ROMANIA
	02	10 35 25.4	38.359 N	20.422 E	10 G	4.6	3.3	1.3	117	GREECE. ML 4.6 (ROM), 4.5 (ATH), 4.3 (TTG). Felt on Kefallinia.
	02	11 20 02.0?	11.37 S	111.16 E	33 N	3.7		1 4	5	SOUTH OF JAVA
	02	11 39 14.3%	39.101 N	27.574 E	10 G			0 7	5	TURKEY
a	02	11 58 55.1*	36.750 S	179.154 E	88	5.6		1.4	55	OFF E COAST OF N. ISLAND, N.Z.
	02	12 02 31.8*	19.978 N	99.014 W	10 G			1.5	8	CENTRAL MEXICO
	02	12 12 58.4	39.057 N	27.632 E	10 G			1 1	7	TURKEY
	02	12 48 04 6	10.143 S	161.218 E	113	4.7		0.9	19	SOLOMON ISLANDS
	02	12 53 39 6?	32.99 S	72.06 W	10 G			0 3	10	OFF COAST OF CENTRAL CHILE
	02	12 54 45.7?	32.95 S	72.01 W	10 G			0.6	10	OFF COAST OF CENTRAL CHILE
	02	13 00 00.0&	37.260 N	116.441 W	0	5.4	4 2		207	SOUTHERN NEVADA. <DOE> ML 5.3 (BRK). 36° 15' 36.49"

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													N., 116° 26' 27.88" W., Surface Elev. 1987 m., Depth of Burial 600 m., Shot Time 130000.088, "COMSTOCK," Nevada Test Site (Dept. of Energy).
	02	13	31	23.9	18.470	S	174.522	W	33	N	4.9	0.9	39 TONGA ISLANDS
	02	13	48	20.3	52.193	N	170.566	W	33	N	4.9 4.3	0.8	82 FOX ISLANDS, ALEUTIAN ISLANDS
	02	14	04	58.5•	37.244	N	28.524	E	10	G		1.2	5 TURKEY
	02	14	11	31.9	38.263	N	20.396	E	10	G	3.5	1.2	13 GREECE. ML 3.7 (ATH), 3.6 (ROM).
	02	15	13	46.9&	38.800	N	122.828	W	2				11 NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	02	15	27	56.8•	33.102	S	71.780	W	10	G		0.8	13 NEAR COAST OF CENTRAL CHILE
	02	16	11	02.9•	42.939	N	18.735	E	10	G		0.6	6 YUGOSLAVIA. MD 2.7 (TTG).
	02	16	20	04.0	46.292	N	7.458	E	10	G		0.8	8 SWITZERLAND. MD 2.9 (STR), 2.7 (ROM).
	02	16	48	21.6•	35 264	N	28.330	E	33	N		1.2	11 EASTERN MEDITERRANEAN SEA. MG 3.9 (HLW).
	02	17	19	53.6•	38.034	N	20.653	E	27	•		1.3	13 GREECE. ML 3.6 (ATH), 3.4 (ROM).
	02	17	27	16.3?	35.73	N	140.32	E	76	•	4.3	0.8	10 NEAR EAST COAST OF HONSHU, JAPAN
	02	18	15	02.2%	43.740	N	7.390	E	10	G		0.8	7 NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	02	19	29	12.9	34.783	N	26.391	E	10	G		0.9	14 CRETE. MG 4.2 (HLW).
	02	23	34	34.0•	38.191	N	20.391	E	10	G		0.9	8 GREECE. MD 3.6 (ATH).
	02	23	50	08.6%	40.393	N	27.623	E	10	G		0.6	8 TURKEY
	03	01	02	33.0%	40.827	N	27.880	E	10	G		1.4	6 TURKEY
	03	01	13	46.5	19.940	S	177.723	W	382		4.8	1.0	72 FIJI ISLANDS REGION
	03	01	26	11.5%	40.843	N	27.807	E	10	G		1.0	7 TURKEY
	03	03	07	22.4•	38.611	N	28.034	E	10	G		1.0	6 TURKEY
	03	03	17	20.5•	30.613	N	101.332	E	10	G		1.2	8 SICHUAN PROVINCE, CHINA
	03	03	51	38.9	49.162	N	6.880	E	10	G		0.5	7 GERMANY. MD 1.0 (STR).
	03	04	17	34.3	42.309	N	16.650	E	10	G		1.4	10 ADRIATIC SEA. MD 2.9 (ROM).
	03	04	42	00.6	42.349	N	16.704	E	10	G		1.2	22 ADRIATIC SEA. ML 3.2 (KBA). MD 3.3 (ROM), 3.1 (TTG).
	03	05	36	43.7•	47.498	N	27.461	W	10	G	4.3	1.0	22 NORTH ATLANTIC RIDGE
	03	05	49	58.3	36.517	N	71.475	E	90		5.0	1.0	126 AFGHANISTAN–USSR BORDER REGION. Felt (III) at Kharog, Ishkashim and Dushanbe.
	03	06	14	17.5•	6.054	N	81.470	W	10	G	3.9 3.8	1.3	11 SOUTH OF PANAMA
	03	07	10	31.6	42.307	N	16.742	E	17			1 4	25 ADRIATIC SEA. ML 3.2 (TTG), 3.0 (KBA). MD 3.1 (ROM).
	03	08	58	59.2%	38.359	N	27.258	E	10	G		1.5	5 TURKEY
	03	09	50	45.5	61.327	N	151.289	W	74	•		0.9	10 SOUTHERN ALASKA
	03	10	13	14.7	18.747	S	169.157	E	226		4.8	0.9	94 VANUATU ISLANDS
	03	11	44	04.7	42.574	N	16.892	E	10	G		1 2	12 ADRIATIC SEA. ML 3.1 (TTG), 2.7 (KBA).
	03	11	45	50.4?	29.38	S	178.52	W	199	•	4.8	1.8	13 KERMADEC ISLANDS Felt on Raoul Island.
	03	12	21	23.9	35.733	N	135.199	E	366		4.8	1.0	109 SOUTHERN HONSHU, JAPAN
	03	12	39	37.3•	7.934	S	128.627	E	99	?		1.0	6 BANDA SEA
	03	12	45	28.9%	45.981	N	2.904	E	10	G		0.3	6 FRANCE. ML 2.3 (LDG).
	03	13	05	56.9•	40.312	N	25.732	E	27	•		1.2	12 AEGEAN SEA
	03	13	20	56.6?	10.55	N	88.56	W	33	N	4.6	1.5	11 OFF COAST OF CENTRAL AMERICA
	03	15	39	23.0	53.111	N	170.375	W	165	D	5.1	1.0	197 FOX ISLANDS, ALEUTIAN ISLANDS
	03	17	28	49.5•	51.384	N	179.669	W	33	N	4.2	1.0	13 ANDREANOF ISLANDS, ALEUTIAN IS.
	03	17	41	59.6	11.518	S	116.173	E	38	•	5.5	1.3	34 SOUTH OF SUMBAWA ISLAND
a	03	18	26	06.7	36 261	N	70.699	E	130	D	5 1	1.0	213 HINDU KUSH REGION Felt (IV) at Kharog, Obigarm and Dushanbe; (III) at Kulyab, Rogun, Garm and Andizhan, USSR. Felt in the Srinagar area, Kashmir and at Peshawar, Pakiston
	03	18	37	43.1	38.282	N	20.455	E	15		3 6	0.9	20 GREECE. ML 4.0 (ATH), 3.2 (ROM).
	03	18	46	21.8?	36.73	N	21.36	E	10	G		0.9	5 SOUTHERN GREECE ML 3.3 (ATH).
	03	20	04	29.6	43.931	N	11.852	E	10	G		1.0	9 CENTRAL ITALY MD 2 6 (ROM).
	03	23	22	13.5	2.782	N	79.544	W	33	N	4 9	0.9	17 SOUTH OF PANAMA
f	03	23	27	35.2	45.003	S	167.599	E	83	G	6 0	1.1	293 SOUTH ISLAND, NEW ZEALAND. Ms 6.2 (PAS). Some damage in Otago and landslides occurred in Fiordland National Park. Felt strongly at Invercargill, Dunedin and Christchurch. Felt as far away as Wellington and Auckland, North Island. Depth from broadband displacement seismograms.
	04	00	00	51.3	37.140	N	71.596	E	101		4.7	0.9	47 AFGHANISTAN–USSR BORDER REGION. Felt (III) at Ishkashim, USSR
	04	00	31	57.2&	33.980	N	117.120	W	17				18 SOUTHERN CALIFORNIA. <PAS–P>. ML 3.5 (PAS). Felt (III) at Bryn Mawr, Cabazon, Calimesa, Lakeview, Lama Lindo, Perris, Mentone, Norco, Nuevo, Redlands, Riverside and Yucaipa.
	04	02	00	01.0•	44.521	N	10.535	E	10	G		1.1	6 NORTHERN ITALY. MD 2.7 (ROM).
	04	03	09	01.8	36.954	N	45.294	E	45		4.8	1.0	84 IRAN–IRAQ BORDER REGION. Felt in the Oshnoviyeh–Piran Shohr–Orumiyeh area, Iran.
	04	03	24	06.1•	20.828	S	68.745	W	33	N		0 8	9 CHILE–BOLIVIA BORDER REGION
	04	03	29	55.1	10 425	N	60.339	W	59	•	4.5	0 8	22 TRINIDAD. MD 4.3 (TRN).
	04	04	13	15 9?	33.10	S	72.20	W	10	G		0 3	10 OFF COAST OF CENTRAL CHILE
	04	04	25	11.5?	33 09	S	72.33	W	10	G		0.4	11 OFF COAST OF CENTRAL CHILE
	04	05	49	21.5•	33 321	S	71.666	W	10	G		1.1	11 NEAR COAST OF CENTRAL CHILE
	04	06	32	36.4?	53.93	N	162.78	W	33	N		0.6	10 SOUTH OF ALASKA
	04	07	24	22.0	55 943	N	113.086	E	33	N	4.8	0.9	54 EAST OF LAKE BAIKAL. Felt (IV) at Uoyan and Oran; (III) at Tonnelnyi and Kovokta.
	04	07	26	13.8	41.142	N	113.166	W	10	G		0.7	10 UTAH. ML 3.0 (NEIS).
	04	09	57	24.6	23.287	N	120.297	E	10	G		0.4	7 TAIWAN
	04	10	13	21.3•	43.699	N	17.120	E	10	G		1.3	7 YUGOSLAVIA. ML 2.5 (TTG).
	04	10	23	15.4•	39.083	N	27.638	E	10	G		0.5	5 TURKEY
	04	10	45	40.7%	39.548	N	29.421	E	10	G		0.9	5 TURKEY
	04	10	57	55.7	38.309	N	20.453	E	10	G	3.6	1.1	24 GREECE. ML 4.1 (ATH)
	04	11	15	40.6	38.350	N	20.510	E	10	G		1.1	8 GREECE. ML 4.0 (ROM), 3.7 (ATH)
	04	11	46	17.3%	39.154	N	27.617	E	10	G		0.6	5 TURKEY
	04	12	32	20.7•	23.894	N	125.477	E	33	N	4.2	1.3	12 SOUTHWESTERN RYUKYU ISLANDS
	04	13	46	38.6•	16.508	S	179.999	E	49	•	4.7	0 9	17 FIJI ISLANDS. Felt on Naituoba Island.
	04	14	30	59.4?	48.33	N	7.35	E	10	G		0.2	4 FRANCE. ML 2.4 (LDG).
	04	14	31	10.0•	24.826	N	126.521	E	67	•	4.7	1 4	40 RYUKYU ISLANDS
	04	15	05	52.7?	33.12	S	72.10	W	10	G		0 3	7 OFF COAST OF CENTRAL CHILE
	04	15	43	23.6?	32.92	S	72.32	W	10	G		0.6	8 OFF COAST OF CENTRAL CHILE
	04	16	28	26.9	38.476	N	14.745	E	10	G		1.0	8 SICILY. MD 3 0 (ROM)
	04	16	52	45.6?	9.66	S	128.49	E	172	?		1.2	7 TIMOR SEA
	04	17	05	26.0	38.288	N	20.531	E	17		3.5	1.0	18 GREECE. ML 3.7 (ATH), 3.5 (ROM).
	04	18	19	14.7•	33.116	S	72.170	W	10	G		0.4	11 OFF COAST OF CENTRAL CHILE

	04	18 43 22.6*	7.773	S	156.325	E	59	?	4 4		1.5	9	SOLOMON ISLANDS
	04	18 44 03 5	43.664	N	7.235	E	10	G			0.4	12	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG). MD 2.6 (STR).
	04	18 50 25.7%	15.981	N	61.128	W	33	N			0.6	7	LEEWARD ISLANDS. ML 2.1 (FDF).
	04	18 51 51.5	60.324	N	152.990	W	139		4.2		0.5	17	SOUTHERN ALASKA
	04	20 49 14.0%	39.294	N	27.702	E	10	G			1.4	9	TURKEY
	04	22 19 25.5	42.335	N	16.716	E	10	G			0.7	11	ADRIATIC SEA. ML 2.8 (TTG). MD 2.9 (ROM).
	04	22 41 51.6	3.491	S	142.849	E	33	N	4.9 4.5		1.1	47	NEAR N COAST OF PAPUA NEW GUINEA
	04	23 53 07.5?	34.71	N	3.81	W	10	G			0.6	4	MOROCCO
	05	01 30 55.6	9.259	S	157.839	E	10	G	4.9		0.7	17	SOLOMON ISLANDS
a	05	01 41 33.0	21.525	S	178.221	W	439		5.0		1.0	83	FIJI ISLANDS REGION
	05	02 18 37.2	38.039	N	26.898	E	10	G			1.3	10	AEGEAN SEA. ML 3.5 (ATH).
	05	02 56 55.5&	34.743	N	95.190	W	5	G				4	OKLAHOMA. <TUL>. MD 2.1 (TUL).
	05	03 43 04.5*	28.454	S	67.694	W	173	?			1.1	17	LA RIOJA PROVINCE, ARGENTINA
	05	04 28 25.1?	6.99	S	130.10	E	33	N			1.0	5	BANDA SEA
	05	05 28 53.7	39.206	N	28.765	E	10	G			1.0	16	TURKEY
	05	07 09 45.8%	42.777	N	12.567	E	10	G			0.6	11	CENTRAL ITALY. MD 2.8 (ROM).
	05	07 19 53.4	42.789	N	12.608	E	10	G			0.9	10	CENTRAL ITALY. MD 2.8 (ROM).
	05	07 21 36.6%	42.785	N	12.536	E	10	G			1.2	12	CENTRAL ITALY. MD 2.7 (ROM).
	05	07 36 06.8	42.783	N	12.576	E	10	G			0.9	13	CENTRAL ITALY. MD 2.9 (ROM).
	05	08 00 17.6?	40.07	N	19.34	E	10	G			1.2	5	ALBANIA. MD 3.2 (ATH).
	05	08 19 05.7	49.099	N	128.263	W	10	G	4.7		0.9	72	VANCOUVER ISLAND REGION
	05	08 29 37.5%	39.611	N	29.437	E	10	G			1.1	5	TURKEY
	05	08 32 03.9%	39.639	N	29.486	E	10	G			0.7	6	TURKEY
	05	08 56 14.3	39.406	N	142.393	E	51	D	4.8		1.3	61	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Morioka and Miyako; (II JMA) at Hachinohe; (I JMA) at Ishinomaki, Ofunato and Aomori.
	05	09 13 05.7	42.805	N	12.541	E	10	G			1.1	14	CENTRAL ITALY. MD 3.0 (ROM).
	05	10 10 33.4%	46.958	N	0.216	W	10	G			1.3	9	FRANCE. ML 2.5 (LDG).
	05	10 35 23.2	42.888	N	13.042	E	10	G			1.3	13	CENTRAL ITALY. MD 2.9 (ROM).
	05	10 42 18.8?	5.03	S	30.19	E	10	G	3.8		1.7	5	LAKE TANGANYIKA REGION
	05	12 43 07.4	38.449	N	14.739	E	19				0.9	17	SICILY. MD 3.2 (ROM). Felt (IV) at Gambarie d'Aspromonte.
	05	14 58 44 6*	24.093	S	66.919	W	224	*	4.4		0.6	8	SALTA PROVINCE, ARGENTINA
	05	15 25 19 0*	33.648	S	70.805	W	85	*			0.9	12	CHILE-ARGENTINA BORDER REGION
	05	15 35 16.8*	39.201	N	24.321	E	10	G			1.3	7	AEGEAN SEA. ML 3.0 (ATH).
	05	15 54 44 4	5.451	S	147.153	E	208		5.0		0 9	74	EAST PAPUA NEW GUINEA REGION
	05	16 12 17 6	11.713	N	88.139	W	22		4.9 3 6		1.0	58	OFF COAST OF CENTRAL AMERICA. MD 4.8 (HDC), 4.5 (SJR).
	05	16 25 27.5&	36.765	N	121.487	W	7					22	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt (II) at Hollister.
	05	17 29 35.9?	28.76	S	177.55	W	70	G	5.0		1.3	16	KERMADEC ISLANDS REGION
f	05	18 22 48.3	15.397	S	167.578	E	110	G	6 0		0 9	346	VANUATU ISLANDS. Depth from broadband displacement seismograms.
	05	18 26 57.8	27.969	N	33.775	E	10	G	4 6		1 1	33	ARAB REPUBLIC OF EGYPT. ML 4.8 (JER).
	05	18 39 04.4	45.550	N	5.403	E	10	G			0.9	47	FRANCE. ML 3.8 (LDG). MD 3.8 (STR), 3.4 (ROM).
	05	19 30 40.5*	15.621	S	167.385	E	138	*	4 2		1 0	37	VANUATU ISLANDS
	05	19 55 01.9*	51.274	N	175.040	W	33	N	4 8		1 0	15	ANDREANOF ISLANDS, ALEUTIAN IS.
	05	20 04 07.5	15.591	S	167.478	E	137	*	4 6		1.0	52	VANUATU ISLANDS
	05	20 55 18.9?	31.26	N	126.04	W	10	G			0.7	13	NORTH PACIFIC OCEAN. ML 3.9 (BRK).
	05	21 35 25.8?	15.61	S	167.64	E	151	?	4.6		1.5	8	VANUATU ISLANDS
	05	21 46 58.4	25.575	N	142.571	E	46	*	5.1		1.1	52	VOLCANO ISLANDS REGION
	05	22 24 58.4*	41.075	N	19.882	E	10	G			0.9	9	ALBANIA. ML 2.6 (TTG).
	06	01 08 16.3	4.327	S	143.740	E	116	*	4.9		1.0	27	PAPUA NEW GUINEA
	06	02 29 13.6	10.364	N	60.601	W	61		4.7		1.2	57	TRINIDAD. MD 4.8 (TRN).
	06	02 48 01.1	37.719	N	14.919	E	10	G			0.7	6	SICILY. MD 2.6 (ROM).
	06	03 01 11 8*	18.148	N	102.526	W	33	N			0 9	9	MICHOACAN, MEXICO
	06	03 14 09.7*	35.147	N	27.667	E	33	N			1.1	9	DODECANESE ISLANDS. MG 3.9 (HLW).
	06	04 57 56 6?	4.80	S	135.12	E	33	N	3.9		1.5	8	WEST IRIAN REGION
	06	05 57 41.4	38.393	N	20.454	E	10	G	4.7		1.2	189	GREECE. ML 4.5 (ATH), 4.5 (ROM). MD 4.6 (TTG). Felt on Kefallinia
	06	06 33 49 5?	35.65	S	73.13	W	33	N	3.2		0.6	6	OFF COAST OF CENTRAL CHILE
	06	06 54 09 2*	42.307	N	20.182	E	10	G			0.5	5	YUGOSLAVIA ML 2.6 (TTG).
	06	07 57 17 0*	39 102	N	27.626	E	10	G			0.4	5	TURKEY
	06	08 06 26.2&	33 300	N	116.310	W	13					16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt (III) at Morongo Valley. Felt in the Palm Springs-Palm Desert area.
	06	08 42 01.6	29.779	N	51.122	E	35		4.9 4 4		1.0	154	SOUTHERN IRAN
	06	08 53 54.9*	36.648	N	5.972	W	10	G			0 4	5	STRAIT OF GIBRALTAR
	06	09 05 25.3*	31.343	S	69.474	W	147	?			0.6	14	SAN JUAN PROVINCE, ARGENTINA
	06	09 06 15.8	51.082	N	158.095	E	48	D	4.7 4.2		0.7	49	NEAR EAST COAST OF KAMCHATKA
	06	09 12 41.4?	32.39	S	72.11	W	10	G			1.1	13	OFF COAST OF CENTRAL CHILE
	06	09 55 22.0	53.224	N	35.139	W	10	G	4 8 4.6		1.3	83	NORTH ATLANTIC OCEAN
	06	10 12 24.6	40.077	N	29.363	E	10	G			0 8	12	TURKEY
	06	10 15 12.4%	40.068	N	29.357	E	10	G			1 0	7	TURKEY
	06	10 17 26.6%	40.092	N	29.390	E	10	G			1.3	11	TURKEY
	06	10 23 49 9	40 115	N	29.365	E	10	G			0 8	13	TURKEY
	06	10 43 52.3	20.343	S	173.787	W	38	D	5 1 4.9		1.0	77	TONGA ISLANDS
	06	11 22 22.1?	60 96	N	145.77	W	81	?			1.4	6	SOUTHERN ALASKA
	06	12 02 49.8%	39.187	N	27.612	E	10	G			0.3	5	TURKEY
	06	12 35 03.4	18.453	N	145.685	E	199	*	4.8		1.0	72	MARIANA ISLANDS
	06	13 22 03.7	38.293	N	20.543	E	21		3.7		1.0	23	GREECE. ML 3.9 (ROM), 3.8 (ATH).
	06	13 33 18.1?	20.81	S	178.87	W	606	*	4 2		1.1	14	FIJI ISLANDS REGION
	06	14 38 59.4	44.994	N	7.204	E	16	G			1.0	21	NORTHERN ITALY. ML 2.9 (LDG). MD 2.7 (ROM).
a	06	15 01 28.5&	58.765	N	138.032	W	10	G	5 0 4.6			141	SOUTHEASTERN ALASKA. <AGS-P>. ML 4.9 (PMR). Felt (IV) at Elfin Cove, Haines, Juneou, Skagway and Yokutat.
	06	16 32 48 4*	51 557	N	6.625	E	10	G			1.3	6	GERMANY
	06	16 54 48 7	26.325	S	27.134	E	5	G			1.2	14	REPUBLIC OF SOUTH AFRICA. MG 3.9 (BUL).
	06	17 28 45 3	29 055	N	94.790	E	28	*	4 7 3 6		1.1	25	INDIA-CHINA BORDER REGION
	06	19 16 12.9	38 479	N	14 723	E	10	G			0 9	7	SICILY MD 2.9 (ROM).
	06	20 23 12 6*	23.963	N	121.680	E	33	N	3.9		1 4	7	TAIWAN
	07	01 41 01.9	14.556	N	90.537	W	8		4.2		0 9	20	GUATEMALA
	07	02 08 39.6*	38.428	N	55.526	E	33	N	4.5 3.5		1.2	14	IRAN-USSR BORDER REGION
	07	02 13 24.2	43.711	N	11.916	E	10	G			0 5	8	CENTRAL ITALY. MD 2.5 (ROM).
	07	03 23 02.1	63 188	N	150.556	W	33	N			0 6	8	CENTRAL ALASKA

	07	03 28 41.7	38.267	N	20.483	E	15				1.1	13	GREECE. ML 3.7 (ATH), 3.1 (ROM).
	07	03 40 20.5	42 174	N	136.849	E	318	*	4	0	0.9	25	EASTERN SEA OF JAPAN
	07	03 53 13.6%	41.654	N	14.374	E	10	G			0.4	6	SOUTHERN ITALY. MD 2.9 (ROM).
	07	04 03 34.7&	20.839	N	155.436	W	20					49	HAWAII. <HVO-P>. MD 4.1 (HVO).
	07	05 26 02.1	30.239	S	68.804	W	107		4.8		1.1	62	SAN JUAN PROVINCE, ARGENTINA
	07	05 55 11.9*	15.898	N	94.539	W	33	N	3.8		0.9	9	NEAR COAST OF OAXACA, MEXICO
	07	07 17 06.5%	45.911	N	5.598	E	10	G			1.4	10	FRANCE. ML 2.9 (LDG).
	07	08 05 59.1?	16.60	S	174.70	W	317	*	4.1		1.1	8	TONGA ISLANDS
	07	10 48 45.0&	19.319	N	155.117	W	10		4.4			62	HAWAII. <HVO-P>. MD 4.7 (HVO). Felt (V) at Pepeekeo; (IV) at Hilo, Hanaunau, Hanakaa, Hanamu, Paauilo, Papaikau and Volcano; (III) at Hawaii National Park, Ninole and Oakala. Also felt at Ainaloa, Glenwood, Kalapana, Kano, Lapahoehoe, Pahakulaa and Mountain View.
	07	10 49 33.6%	39.046	N	27.715	E	10	G			0.6	5	TURKEY
	07	11 42 29.8*	15.067	S	72.047	W	10	G			0.1	5	SOUTHERN PERU
	07	11 46 34.7	44.414	N	11.006	E	25				1.2	28	NORTHERN ITALY. ML 3.3 (LDG). MD 3.2 (TRI), 3.1 (ROM).
	07	14 03 20.6?	16.28	N	98.60	W	33	N			1.3	5	NEAR COAST OF GUERRERO, MEXICO
	07	14 25 27.6	7.152	S	120.465	E	567	*	5.1		0.7	19	FLORES SEA
	07	15 24 01.7?	23.76	S	179.70	E	608	?	4.7		0.6	19	SOUTH OF FIJI ISLANDS
	07	16 09 48.6*	2.387	N	127.666	E	33	N	4.7		1.1	9	MOLUCCA PASSAGE
	07	17 46 48.7?	37.49	N	135.09	E	357	?	4.1		0.9	9	SEA OF JAPAN
	07	18 02 29.6	7.660	S	128.279	E	82	*	4.9		1.4	34	BANDA SEA
	07	18 18 24.9*	24.396	N	123.049	E	33	N	4.5		0.6	8	SOUTHWESTERN RYUKYU ISLANDS
	08	00 14 59.1*	38.216	N	20.497	E	38	*	3.6		1.2	28	GREECE. ML 3.9 (TTG), 3.4 (ROM).
	08	02 16 19.1*	40.270	N	77.760	E	10	G	4.4		0.9	9	KIRGHIZ-XINJIANG BORDER REGION
	08	05 06 24.3	41.649	N	136.957	E	322	*	3.9		0.6	16	EASTERN SEA OF JAPAN
	08	05 18 58.1?	25.25	N	123.72	E	189	?			0.6	8	NORTHEAST OF TAIWAN
	08	06 06 59.6	9.531	N	85.251	W	33	N	4.0		1.3	18	OFF COAST OF COSTA RICA. MD 4.2 (SJR), 3.8 (HDC). Felt (III) at Cobano and Cobuya; (II) at Paquera.
	08	08 45 10.9?	7.91	S	128.56	E	143	?			1.0	8	BANDA SEA
	08	09 29 50.1%	39 078	N	27.588	E	10	G			0.4	5	TURKEY
	08	09 51 02.2*	8.782	S	124.193	E	118	?	4.5		1.4	10	TIMOR
	08	09 57 56.9%	39.637	N	29.370	E	10	G			0.6	5	TURKEY
	08	10 27 00.8%	39.599	N	29.390	E	10	G			1.2	6	TURKEY
	08	11 05 32.4	0 248	S	125.035	E	55	*	5.2		1.3	45	MOLUCCA SEA
	08	11 28 21.7	14.758	S	167.810	E	57	*	4.8		0.9	60	VANUATU ISLANDS
	08	11 53 11.7%	39 114	N	27.559	E	10	G			0.2	5	TURKEY
	08	15 51 50.2?	35.49	N	45.03	E	33	N	4.2		0.9	4	IRAN-IRAQ BORDER REGION
	08	21 18 04.8	16.557	N	98.716	W	43		5.1		0.9	112	NEAR COAST OF GUERRERO, MEXICO. Felt in the Acapulco area and at Mexico City.
	08	21 35 26.4?	7.53	S	129.25	E	130	?			1 5	6	BANDA SEA
	08	22 58 47.8*	36.857	N	29.340	E	10	G			1.1	6	TURKEY
a	09	00 09 49.5	28.386	N	56.868	E	27	D	4.9	4.4	1.1	120	SOUTHERN IRAN. Felt in the Bandar-e Abbas area.
	09	00 35 33.9	6.062	S	130.191	E	131	*	5.1		1.0	50	BANDA SEA
	09	00 38 38.5	49.143	N	6.880	E	10	G			0.9	17	GERMANY. MD 2.3 (STR).
	09	02 18 23.2	32.242	N	27.904	E	10	G	4.8	3.3	1.3	132	EASTERN MEDITERRANEAN SEA. ML 4.5 (CSS).
	09	04 29 08.2	45.245	N	27.979	W	10	G	4.4		0.5	24	NORTH ATLANTIC RIDGE
	09	05 08 24.0?	33.54	S	72.04	W	33	N	2.9		1 4	6	OFF COAST OF CENTRAL CHILE
	09	05 20 03.1?	21.97	S	176.28	W	251	?	4.2		0.8	9	FIJI ISLANDS REGION
	09	06 51 58.0?	17.37	N	61.20	W	33	N			0.7	5	LEEWARD ISLANDS. ML 2.8 (FDF).
	09	09 40 26.2*	35.398	N	99.556	E	10	G	4.2		1.3	8	QINGHAI PROVINCE, CHINA
	09	10 12 57.3*	35.302	N	99.292	E	10	G	4.1		1.3	10	QINGHAI PROVINCE, CHINA
	09	11 48 41.2?	17.62	S	71.20	W	33	N			1.0	5	NEAR COAST OF PERU
	09	12 11 49.8	30.654	N	79.216	E	25	*	4.8		0.9	37	TIBET-INDIA BORDER REGION
	09	12 32 51.4*	1.915	S	12.320	W	10	G	4.7		1.2	9	NORTH OF ASCENSION ISLAND
	09	13 51 36.8%	39.110	N	27.589	E	10	G			0.7	5	TURKEY
	09	14 10 05.0%	39.259	N	29.328	E	10	G			1 4	5	TURKEY
	09	14 56 32.7*	16.449	N	98.756	W	10	G	4	5	1.4	20	NEAR COAST OF GUERRERO, MEXICO
	09	14 58 45.9*	6.176	S	149.871	E	48	*	3.7		1.2	9	NEW BRITAIN REGION
	09	17 06 15.1?	39.91	N	105.76	E	10	G			0.4	4	NORTHERN CHINA. ML 3.5 (BJI).
	09	17 09 45.2*	4.777	N	127.840	E	33	N	4.2		0.6	22	TALAUD ISLANDS
	09	17 23 06.0&	34.280	N	118.220	W	5					7	SOUTHERN CALIFORNIA <PAS-P>. ML 2.5 (PAS). Felt (III) at Alhambra, Beverly Hills and Burbank. Also felt at Los Angeles.
	09	21 01 25.9*	15.181	N	94.750	W	33	N	4.7	3.6	1.2	28	NEAR COAST OF OAXACA, MEXICO
	09	21 56 08.6	53.498	N	35.397	W	10	G	4.6	4.6	1.0	65	NORTH ATLANTIC OCEAN
	09	22 07 57.9	53.539	N	35.352	W	10	G	4.5	4.4	0.8	29	NORTH ATLANTIC OCEAN
	09	22 21 12.0?	19.75	S	133.93	E	10	G			1.2	5	NORTHERN TERRITORY, AUSTRALIA
	09	23 04 13.3	39.751	N	23.768	E	10	G	3.5		1.5	23	AEGEAN SEA. ML 3.5 (ATH).
	09	23 32 22.9	52 803	N	87.597	E	33	N	4.5		1.2	24	CENTRAL USSR
	10	00 06 19.0	42.038	N	20.087	E	10	G			0.7	6	YUGOSLAVIA. ML 2.7 (TTG).
	10	01 19 21.6*	22.015	S	67.342	W	228	?			1.4	9	CHILE-BOLIVIA BORDER REGION
	10	01 31 41.8*	38.240	N	15.163	E	10	G			0.4	6	SICILY. MD 2.8 (ROM).
	10	02 13 21.3	37 385	N	27.053	E	20		3.6		1.1	28	TURKEY. ML 3.9 (ATH).
	10	02 14 58 6	44.763	N	6.790	E	10	G			0.4	8	FRANCE. ML 2.2 (LDG).
	10	02 52 59.0?	23.90	S	66.87	W	225	?			0.9	5	JUJUY PROVINCE, ARGENTINA
a	10	03 10 22.1	12.724	S	166.744	E	113	D	5.7		1.0	179	SANTA CRUZ ISLANDS
	10	03 43 07.9%	40.456	N	28.709	E	10	G			1.1	7	TURKEY
	10	04 04 27.2*	44 546	N	114.462	W	5	G			0.3	6	WESTERN IDAHO. ML 3.1 (BUT).
	10	05 06 47 6	13.894	N	51.671	E	10	G	4.7	4.8	1.1	82	EASTERN GULF OF ADEN
	10	06 09 11.8*	57 320	S	25.682	W	33	N	4.7		0.9	17	SOUTH SANDWICH ISLANDS REGION
	10	06 54 24.2	38.162	N	28.785	E	10	G			1.5	8	TURKEY
	10	08 47 52.8?	16.19	N	60.41	W	10	G			0.3	7	LEEWARD ISLANDS. ML 2.5 (FDF).
	10	08 50 43.9?	16.24	N	60.67	W	33	N			0.4	6	LEEWARD ISLANDS ML 2.4 (FDF).
	10	08 55 30.3	38.261	N	20.443	E	10	G			1.0	16	GREECE. ML 3 7 (ATH), 3.6 (ROM).
	10	09 25 23.7?	39.65	N	29.48	E	10	G			0.6	4	TURKEY
	10	09 29 16.2%	39 092	N	27.640	E	10	G			0 4	5	TURKEY
	10	10 07 32.9?	4.10	S	33.61	E	10	G	4.7		1.4	9	TANZANIA
	10	10 48 07.3?	6.78	S	131.09	E	33	N			1.4	5	TANIMBAR ISLANDS REGION
	10	11 22 00.0?	19 41	S	179.49	W	674	*	4.5		0.9	17	FIJI ISLANDS REGION
a	10	11 31 53.0	6.890	S	72.241	E	22	D	5.5	5.3	0.9	245	CHAGOS ARCHIPELAGO REGION. Felt (IV) on Diega Garcia.
	10	12 15 39.3?	32.52	N	104.37	E	10	G			1.7	5	SICHUAN PROVINCE, CHINA. ML 3.8 (BJI).

	10	13 20 32.6?	56.71	S	27.07	W	150	G	4 4		0.6	11	SOUTH SANDWICH ISLANDS REGION
	10	13 47 26 4*	38 216	N	27 124	E	10	G			1.3	5	TURKEY
	10	14 15 52.3?	4.90	S	151.82	E	150	?			1 3	7	NEW BRITAIN REGION
	10	17 13 52.2*	33.878	S	179.272	W	51	D	4.9		0.9	12	SOUTH OF KERMADEC ISLANOS
	10	19 08 43.2*	35.964	N	27.468	E	33	N			1.0	9	DODECANESE ISLANDS
	10	19 25 11 4*	32.565	S	72.015	W	10	G			0 4	10	OFF COAST OF CENTRAL CHILE
	10	20 50 54 1	51.749	N	1.337	E	0	G			0.3	7	UNITED KINGDOM. ML 2.9 (LDG), 2.4 (BGS). Explosion of o 1500-pound mine from World Wor II.
	10	21 08 29 6*	35 926	N	27.985	E	33	N			1.0	9	DODECANESE ISLANDS
	10	21 08 41.7	43.757	N	16.886	E	10	G			1.4	13	YUGOSLAVIA ML 3.3 (ROM), 2.7 (KBA), 2 6 (TTG). MD 3.2 (TRI).
	10	21 11 16 8	39.222	N	71 613	E	36		4.8		1 3	112	TAJIK SSR. Felt (IV) ot Dzhirgotol and (II) ot Khait and Nomangon.
	10	23 06 43 0&	34 940	N	118 740	W	7		5 2 4 9			139	SOUTHERN CALIFORNIA. <PAS-P> ML 5 4 (PAS), 5.4 (BRk) Damage to circuit breakers at the A D. Edmonston Pumping Plant caused the California Aqueduct to be shut down. Felt (V) ot Acton, Bakersfield, Edison, Frazier Park, Lake Hughes, Lake Isobella, Lamont, Lebec, Los Nietos and Mettler. Felt in Kern, Los Angeles, Orange, Riverside, Santa Barbara, San Bernardino, Tulare and Venturo Counties.
	10	23 22 11.0&	34.940	N	118.750	W	6	G				11	SOUTHERN CALIFORNIA. <PAS-P> ML 3 4 (PAS).
	11	00 47 19.9*	51.109	N	15 526	E	10	G			0 7	6	POLAND. ML 3.6 (VKA), 3.4 (GRF)
	11	01 23 41.9*	6.828	S	132 268	E	33	N	4.3		1.3	8	TANIMBAR ISLANDS REGION
	11	01 54 21 5&	34.940	N	118.740	W	5					13	SOUTHERN CALIFORNIA <PAS-P> ML 3.1 (PAS).
	11	02 06 38 4?	33.26	S	72.10	W	10	G			0 5	10	OFF COAST OF CENTRAL CHILE
o	11	02 50 02 1	5 942	S	151.139	E	37		5.3 4.7		1.1	152	NEW BRITAIN REGION ML 5 1 (PMG) Felt (IV) ot Roboul
	11	03 49 31.1&	40.233	N	112 382	W	6					6	UTAH <SLC-P> ML 2 7 (SLC)
	11	03 58 31.6*	17.766	S	178.593	W	595	*	4.5		0.9	20	FIJI ISLANDS REGION
	11	04 45 55.8*	6.134	S	151.275	E	33	N	4.6		1.2	11	NEW BRITAIN REGION
	11	05 45 45 8%	41.597	N	4.348	E	10	G			0.9	9	WESTERN MEDITERRANEAN SEA. ML 2.8 (LDG)
	11	06 42 38 1*	3.647	S	127.627	E	33	N	4.6		1.3	15	CERAM
	11	07 58 22.5*	33.912	N	25.495	E	10	G			1 3	11	EASTERN MEDITERRANEAN SEA MG 4 1 (HLW).
	11	08 17 49.5?	40.34	N	25 88	E	10	G			1 1	5	AEGEAN SEA
	11	08 58 35 2*	30.774	N	109.334	W	5	G	4 5		1 0	15	NORTHWESTERN MEXICO ML 3 9 (NEIS).
	11	08 58 45 9*	22.390	S	69 286	W	194	?			0 9	8	NORTHERN CHILE
	11	09 09 06.0%	39.091	N	27.637	E	10	G			0 6	5	TURKEY
	11	09 31 54.1*	40.377	N	21.495	E	10	G	4 1		1 5	9	GREECE
	11	09 49 44.4?	35.99	N	0.73	W	10	G			0 6	5	ALGERIA. MG 3 1 (MDD).
	11	10 07 24 7%	41.109	N	28.943	E	10	G			1 0	7	TURKEY
	11	10 36 39 9	37.694	N	21 357	E	53	*	4 0		1 3	35	SOUTHERN GREECE. MD 3 7 (ATH)
	11	10 38 28 2?	36.72	N	21.89	E	10	G	4 0		0.8	6	SOUTHERN GREECE. ML 3.7 (ATH).
	11	11 39 23 6	43.609	N	127.159	W	10	G	4 4		0 6	58	OFF COAST OF OREGON
	11	11 47 11 6%	39.557	N	29.909	E	10	G			0.1	5	TURKEY
	11	11 52 43 3*	45.273	N	28 491	E	10	G	3.3		1.4	10	SOUTHWESTERN USSR
	11	12 10 56 6%	44.103	N	11.922	E	10	G			0.7	6	NORTHERN ITALY MD 2 6 (ROM).
o	11	12 17 27.0	14.994	S	173.469	W	36	G	5 9 6 1		1 3	250	SAMOA ISLANDS REGION Ms 6 2 (BRk), 5 9 (PAS). Felt (IV) ot Apia. Depth from broadband displacement seismograms
	11	13 29 43.8%	40.781	N	30 241	E	10	G			1.1	6	TURKEY
	11	14 50 00.5%	45.222	N	3.211	E	10	G			0 2	6	FRANCE ML 2.0 (LDG)
	11	15 31 16 1	63.132	N	150.906	W	147	?			0 6	11	CENTRAL ALASKA
	11	15 34 20.2%	40.672	N	29.901	E	10	G			0 5	7	TURKEY
	11	17 23 26.7*	9.777	S	124.169	E	33	N	4 7		1 0	11	TIMOR
	11	18 59 30 7*	58.954	N	137.814	W	10	G			1 0	8	SOUTHEASTERN ALASKA ML 3 5 (PMR).
o	11	19 31 07.5*	18.599	S	176 328	W	309	*	5 1		1 4	83	FIJI ISLANDS REGION
	11	21 00 32.0*	9.254	N	82 593	W	33	N			1 1	13	PANAMA-COSTA RICA BORDER REGION. MD 4.1 (SJR), 3.7 (HDC)
	11	21 13 49 0*	36 608	N	10.598	W	10	G			0 9	10	NORTH ATLANTIC OCEAN MG 3 7 (MDD).
	11	22 44 46 0	45.923	N	6 800	E	10	G			1.0	62	FRANCE ML 4 0 (LDG), 3 2 (KBA). MD 3 7 (STR), 3 4 (ROM)
	11	22 55 22 1?	30.10	S	69.40	W	33	N			1 3	8	CHILE-ARGENTINA BORDER REGION
	12	00 47 22 9	44.728	N	149.602	E	42	*	4 7		0 8	60	KURIL ISLANDS
	12	01 03 55 8*	51 442	N	169 036	W	33	N	4 9		1.3	30	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
	12	01 29 03 4	45 145	N	26.008	E	10	G			1 3	11	ROMANIA
	12	01 56 41 7?	9.26	S	126.74	E	155	?	4 6		1 5	7	TIMOR
	12	02 30 41 1	39.034	N	27.923	E	10	G			0.7	12	TURKEY
	12	02 42 34 6*	35 485	N	12 886	E	6				1 0	22	MEDITERRANEAN SEA. MD 3.4 (ROM).
	12	03 09 44 9	33 421	N	138 173	E	294		4.6		0 9	48	SOUTH OF HONSHU, JAPAN Felt (I JMA) ot Tokyo and Utsunomiyo.
	12	03 16 50 5*	15.325	N	61.070	W	33	N			1 1	9	LEEWARD ISLANDS ML 2.7 (FDF).
	12	04 17 58 4	46 233	N	16.514	E	17				1 1	32	YUGOSLAVIA ML 3 8 (VKA), 3.6 (TRI), 3.6 (KBA), 3.4 (PTJ) Felt (V) in the Ludbreg area.
	12	04 44 03 9%	38.354	N	0 160	E	10	G			0.8	8	SPAIN MG 3.1 (MDD)
	12	05 33 32 2?	8.96	S	128.79	E	178	?			0 8	6	TIMOR SEA
	12	07 17 07 1	38 840	N	74 725	E	25		4.5		1.5	37	TAJIK-XINJIANG BORDER REGION
	12	07 18 47 7?	38 28	N	55 33	E	33	N	4.5		1.4	19	IRAN-USSR BORDER REGION
	12	07 56 40 3%	39.138	N	28 130	E	10	G			1.4	10	TURKEY
	12	08 09 26 7*	15.097	S	177 709	W	383	*	4.9		1.0	18	FIJI ISLANDS REGION
	12	08 22 54 1*	38.438	N	26.640	E	10	G			1.1	8	AEGEAN SEA
	12	08 56 13 4	34.623	N	24 197	E	31	?	4.1		1.4	69	CRETE ML 4.0 (ATH).
	12	09 24 23 2%	40.839	N	26.134	E	10	G			0.4	5	TURKEY
	12	09 29 41 5%	39.610	N	29 387	E	10	G			0.5	6	TURKEY
	12	10 15 47 4	28.477	N	82.354	E	33	N	4.8 4.3		1.2	64	NEPAL Felt in western Nepal.
	12	12 12 11 6	37 757	N	29 357	E	10	G			0.9	8	TURKEY
	12	13 23 31 2	10.744	S	165.132	E	63	*	5.0		0.9	80	SANTA CRUZ ISLANDS
	12	13 35 11 8	10.780	S	165 160	E	43	*	5 0		0 9	111	SANTA CRUZ ISLANDS
f	12	13 39 37 4	10.747	S	165 171	E	14	G	5 7 6.4		1 3	247	SANTA CRUZ ISLANDS Ms 6 3 (BRk), 6.0 (PAS) Two events about 2 seconds apart. Depth from broadband displacement seismograms, based on second event.
	12	13 49 27 7*	11.031	S	165.081	E	33	N	4.7		1 3	13	SANTA CRUZ ISLANDS
	12	15 38 26.0&	75.030	N	95 590	W	18	G	4 4			31	QUEEN ELIZABETH ISLANDS. <OTT-P> mbLg 4.3 (OTT)
	12	15 38 34 8*	14.836	S	70.903	W	33	N			0 5	5	PERU

	12	15	53	05	2	10	714	S	164.970	E	57	•	4 7	0 8	24	SANTA CRUZ ISLANDS REGION
	12	16	01	43	3•	10	992	S	165 223	E	33	N	4.6	1 1	8	SANTA CRUZ ISLANDS
	12	16	05	38	6?	5	93	S	131.04	E	136	?	4.6	1 1	7	BANDA SEA
	12	16	06	49	6•	10	962	S	165.178	E	33	N	4.8	1.2	15	SANTA CRUZ ISLANDS
	12	16	37	02	0•	35	985	N	29.027	E	10	G		1.0	7	EASTERN MEDITERRANEAN SEA MG 3.9 (HLW)
	12	17	07	55	8	10	964	S	165.290	E	33	N	4.9	1 0	40	SANTA CRUZ ISLANDS
	12	17	18	29	9	6	128	S	148.295	E	68	•	4.9	1.4	29	NEW BRITAIN REGION
a	12	18	07	13	6	10	877	S	165.382	E	29	•	5.4 5.4	1 0	125	SANTA CRUZ ISLANDS. Ms 5 5 (BRK).
	12	18	13	02	0	10	948	S	165.239	E	34	•	4.9	0.8	35	SANTA CRUZ ISLANDS
	12	18	37	16	3?	10	65	S	165.60	E	33	N	4.8	0.7	6	SANTA CRUZ ISLANDS
	12	20	09	59	6	46	392	N	12.637	E	12			1.0	66	NORTHERN ITALY. ML 3 5 (LDG), 3 4 (VKA), 3.2 (ROM). MD 3.4 (TRI). Felt (V) at Forni di Sopra and Forni di Satto.
	12	20	52	51	3•	50	463	N	3.829	E	10	G		1.3	6	BELGIUM. ML 2.6 (LDG).
	12	21	08	36.1?	19	87	S	176 52	W	290	?	4.7	1 2	11	FIJI ISLANDS REGION
	12	21	22	02	6&	34	040	N	117.560	W	8				18	SOUTHERN CALIFORNIA <PAS-P> ML 3 2 (PAS) Felt (IV) at Hacienda Heights, San Bernardino and Santa Fe Springs; (III) at Cucamonga; (II) at Brea, City of Industry and Nuevo. Also felt at Fontana, Ontaria and Riverside.
	12	21	44	21.8&		38	403	N	122.153	W	10				17	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=3.6•10••14 Nm (BRK). Felt at Napa and Vacaville
	12	22	03	04.4		55	639	N	154.597	W	33	N	4.7	1.2	31	SOUTH OF ALASKA. ML 4.3 (PMR). Felt (II) an Kodiak.
	12	22	45	14.7?		10	60	S	165.71	E	46	?	4.7 4.0	1.2	12	SANTA CRUZ ISLANDS
	12	22	48	15.4		40	788	N	20.908	E	10	G		1.3	12	GREECE-ALBANIA BORDER REGION. ML 2.7 (TTG).
	13	01	30	09.5•		10	825	S	165.149	E	33	N	4.8	1.1	12	SANTA CRUZ ISLANDS
	13	01	42	55.5&		71	290	N	72.550	W	18	G			5	BAFFIN ISLAND REGION. <OTT-P>. mbLg 3.4 (OTT).
a	13	01	45	36.8&		37	385	N	121.772	W	7		4.9 5.0		105	CENTRAL CALIFORNIA. <BRK>. ML 5 4 (BRK). Mo=2.8•10••16 Nm (BRK). Slight damage (VI) at Milpitas and San Jose. Felt (V) at Aptas, Aramas, Alameda, Gilroy, Half Moan Bay, Hayward, Hallister, Mountain View, San Bruno, Santa Clara and San Martin. Felt strongly throughout the San Francisca Bay area as far north as Santa Rosa, south ta Salinas and east to Madesto.
	13	02	31	17	1?	10	63	S	165.52	E	33	N		1 1	7	SANTA CRUZ ISLANDS
	13	03	00	24	1	43	380	N	20.506	E	10	G		1 2	7	YUGOSLAVIA. ML 2 6 (TTG). Felt at Raska.
	13	04	06	52	6&	37	358	N	121.750	W	5				13	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=5.9•10•13 Nm (BRK)
	13	05	39	02.4?		19	20	N	64.90	W	10	G		0 2	5	VIRGIN ISLANDS
	13	05	54	11	5•	20	857	S	67 683	W	236	•		0 8	9	SOUTHERN BOLIVIA
	13	07	53	31	0	61	368	N	151.035	W	101	•		0.9	10	SOUTHERN ALASKA
	13	09	44	59	0?	5	98	S	146.78	E	184	•	4.6	1 4	10	EAST PAPUA NEW GUINEA REGION
	13	11	04	43	1	51	868	N	178.160	E	118		4.3	0 6	22	RAT ISLANDS, ALEUTIAN ISLANDS
	13	12	00	48	9•	50	169	N	18.808	E	10	G		1 1	5	POLAND ML 3 2 (KBA)
	13	14	33	42.3•		50	072	N	5.803	E	10	G		0 7	5	BELGIUM
	13	15	52	41	4•	7	989	S	124.072	E	145	?	4.6	1.3	12	BANDA SEA
	13	16	15	50	9•	11	051	S	165.086	E	33	N	4.5 4 1	1 3	11	SANTA CRUZ ISLANDS
	13	16	53	25	4?	10	30	S	166.04	E	33	N		0 3	5	SANTA CRUZ ISLANDS
	13	17	31	15	2?	40	14	N	123.99	W	5	G		0.9	6	NORTHERN CALIFORNIA. ML 2.6 (BRK).
	13	18	07	55	3•	37	240	N	27.933	E	10	G		0.7	5	TURKEY
	13	19	07	01	9?	5	60	S	147 08	E	209	•	4.7	1 6	12	EAST PAPUA NEW GUINEA REGION
	13	20	01	03	8?	25	32	N	125 60	E	33	N	4.3	0.2	6	SOUTHWESTERN RYUKYU ISLANDS Felt (I JMA) on Miyako-jima.
	13	20	01	43	7•	40	583	N	29 759	E	10	G		1.2	7	TURKEY
	13	20	32	23.9		37	170	N	21.414	E	41	•	3.7	1 3	21	SOUTHERN GREECE. MD 3.8 (ATH).
	13	20	47	47.3		39	159	N	28 680	E	10	G		1.2	21	TURKEY
	13	21	31	49.1		28	264	N	56.824	E	61		4.7	0.9	55	SOUTHERN IRAN
	13	22	18	47.9?		10	88	S	165 27	E	33	N	4.9	1.2	7	SANTA CRUZ ISLANDS
	13	22	36	14.3?		14	94	S	71 57	W	33	N		1.8	5	PERU
	13	23	55	59.3•		23	638	S	66.529	W	271	•		1.1	8	JUJUY PROVINCE, ARGENTINA
	14	00	05	37	8	49	156	N	6.908	E	10	G		0.9	9	GERMANY MD 1 5 (LDG), 1.5 (STR).
	14	00	17	19.6%		31	707	S	67.808	W	10	G		0 4	5	SAN JUAN PROVINCE, ARGENTINA
	14	00	59	13.4&		34	420	N	119 830	W	3				5	SOUTHERN CALIFORNIA <PAS-P>. ML 3.0 (PAS). Felt at Santa Barbara
	14	01	05	12	6?	35	25	N	132.46	E	10	G		0 6	6	SOUTHERN HONSHU, JAPAN Felt (I JMA) at Hirashima, Matsue and Yonago
	14	02	14	50.0&		36	533	N	97.455	W	5	G			6	OKLAHOMA. <TUL>. MD 1.8 (TUL).
	14	02	27	06.4		50	045	N	79.005	E	0	G	5.0 4 1	0 8	154	EASTERN KAZAKH SSR
a	14	02	42	59.1		10	807	S	165.187	E	42	•	5.0 4 6	1 0	95	SANTA CRUZ ISLANDS
	14	02	47	38.4%		37	808	N	25.531	W	10	G		1 0	7	AZORES ISLANDS
	14	03	31	41.1•		57	022	N	142.372	W	10	G	4.0	1 1	12	GULF OF ALASKA. ML 3.9 (PMR).
	14	04	36	45	7	21	366	S	67.937	W	176	D	4.7	1 5	67	CHILE-BOLIVIA BORDER REGION
	14	06	04	59	6	10	878	S	165.249	E	33	N	4.9 4 6	1.0	43	SANTA CRUZ ISLANDS
	14	07	43	45.8		24	724	N	141.050	E	273	•	4.4	1 0	39	VOLCANO ISLANDS REGION
	14	07	54	27.8%		41	372	N	29.170	E	10	G		0 9	6	TURKEY
	14	08	46	42	2•	36	932	N	27.539	E	10	G		1 4	6	DODECANESE ISLANDS. MD 4.0 (ATH).
	14	09	14	16	2%	39	126	N	27.609	E	10	G		0.3	5	TURKEY
	14	11	35	32.1%		39	131	N	27.635	E	10	G		0.7	5	TURKEY
	14	12	51	56	8	50	619	N	172.762	W	33	N	4.7	0.9	31	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	14	14	15	50	6&	40	290	N	124.282	W	38				5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	14	15	44	54.2&		40	445	N	124.753	W	19				7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	14	16	29	29	2%	39	940	N	28.833	E	5	G		0.8	6	TURKEY
	14	17	19	11	6	39	481	N	27.978	E	10	G		1.1	13	TURKEY
	14	17	22	05	6?	10	94	S	165.24	E	33	N	4.8	1 1	6	SANTA CRUZ ISLANDS
	14	22	48	30	7•	37	027	N	21.215	E	76	?	3.5	1.2	9	SOUTHERN GREECE MD 3.6 (ATH).
	15	00	25	27	2?	31	32	S	68 61	W	110	?		0 8	5	SAN JUAN PROVINCE, ARGENTINA
	15	01	40	45	4•	7	229	S	120 260	E	392	•	4.7	0 9	9	FLORES SEA
	15	05	26	22	1?	15	34	N	94.68	W	33	N	4.2	1 5	12	NEAR COAST OF OAXACA, MEXICO
	15	05	26	39.1?		5	00	N	125.44	E	236	?	4.1	1 2	12	MINDANAO, PHILIPPINE ISLANDS
	15	06	19	37	0	44	671	N	112.047	W	5	G		0 2	8	EASTERN IDAHO ML 3 0 (BUT).
	15	06	33	21	2?	21	08	S	169.93	E	94	?	4.9	0.7	9	LOYALTY ISLANDS REGION
	15	07	00	29	0?	40	98	N	2.14	W	5	G		0 1	4	SPAIN MG 2 6 (MDD)
	15	07	40	54.1•		10	978	N	122.188	E	15		4.3	1 1	16	PANAY, PHILIPPINE ISLANDS

	15	08 09 37 2*	53 941 N	163.268 W	33 N	4 4		1.0	27	UNIMAK ISLAND REGION
	15	08 17 02.9%	39 529 N	28 106 E	10 G			1 1	5	TURKEY
	15	09 03 06 3*	7 059 S	129 881 E	132 *	4.8		1 4	21	BANDA SEA
	15	09 13 41.1	31.479 S	126.440 E	10 G	4.9		0.9	21	WESTERN AUSTRALIA
	15	10 05 27 6	44.267 N	7.428 E	10 G			0 9	11	NORTHERN ITALY MD 2 6 (ROM).
	15	10 39 21.6*	42.068 N	23.301 E	10 G			1.3	5	BULGARIA
	15	10 57 52.6*	51.660 N	173.708 W	33 N	4.5		0.9	29	ANDREANOF ISLANDS, ALEUTIAN IS
	15	11 58 59.4%	39.588 N	29.407 E	10 G			0.4	5	TURKEY
	15	12 00 45.6	21.719 N	142.971 E	299	5.2		0.8	132	MARIANA ISLANDS REGION
	15	13 01 49.1	42.102 N	24.357 E	10 G			1.0	6	BULGARIA
	15	14 32 11.7*	19.080 S	167.675 E	33 N	4.5 3.7		1.2	19	VANUATU ISLANDS REGION
	15	15 06 31.6	1.918 N	126.833 E	55 ?	4.6		1.0	26	MOLUCCA PASSAGE
	15	15 06 48.0?	38.19 N	8.13 W	5 G			0.1	4	PORTUGAL. MG 3 0 (MDD)
	15	17 37 12.6	6.292 S	154.676 E	45	5.1		1 2	57	SOLOMON ISLANDS. Felt (III) at Arawa and Panguna, Bougainville.
	15	17 45 39 5	44.134 N	7.111 E	10 G			0 3	10	NORTHERN ITALY ML 2 4 (LDG).
a	15	19 15 09.9	3.440 S	102.118 E	108 D	5.3		1.2	88	SOUTHERN SUMATERA. Felt (V) on Sumatera.
	15	20 48 47.6*	44.438 N	7.409 E	11			0 4	11	NORTHERN ITALY. ML 2.9 (LDG).
	15	21 02 40.3	45.805 N	26.829 E	114 *			0.7	18	ROMANIA
	15	21 04 23.4	38.950 N	0.400 W	10 G			1.0	11	SPAIN. MG 3 0 (MDD). Felt (III) in the epicentral area
	15	22 10 26.0*	3.299 S	138.724 E	33 N	4.7 3.8		1.3	18	WEST IRIAN
	16	00 42 38.0*	37.132 N	6.246 W	10 G			1.3	6	SPAIN
	16	00 43 04.7?	19.08 S	169.41 E	271 ?			0.7	15	VANUATU ISLANDS
	16	01 25 48.6*	9.419 S	158.801 E	33 N	4.7 3.8		1.3	15	SOLOMON ISLANDS
	16	02 50 14.8*	4.997 N	126.988 E	39 ?	5.1 4.7		1.5	22	TALAUD ISLANDS
	16	03 12 06.8	38.250 N	20.471 E	31	4.3 3.6		1.0	64	GREECE. ML 4.2 (TTG), 3.8 (ATH), 3.8 (ROM).
	16	04 39 18.8?	7.44 S	130.15 E	162 ?	4.6		0.7	6	TANIMBAR ISLANDS REGION
	16	04 49 23.0*	42.464 N	19.918 E	33 N			1.4	8	YUGOSLAVIA. ML 2.6 (TTG).
	16	05 30 15.0*	57.618 N	143.005 W	10 G	4.4		1.3	19	GULF OF ALASKA
	16	06 32 55.1*	33.353 S	72.507 W	23			0.8	16	OFF COAST OF CENTRAL CHILE
	16	06 33 29.6%	16.760 N	61.462 W	10 G			1.2	5	LEEWARD ISLANDS. ML 1.9 (FDF).
	16	07 37 23.9	19.588 N	64.259 W	10 G	4.3 4.0		1.0	29	VIRGIN ISLANDS. ML 4 6 (FDF).
	16	09 28 21.9%	46.310 N	1.965 E	10 G			0 8	12	FRANCE. ML 2.9 (LDG).
	16	10 33 04.1?	18.36 N	65.66 W	33 N			0.8	5	PUERTO RICO REGION
	16	11 05 04.7&	47.707 N	121.897 W	8				79	WASHINGTON <SEA>. CL 3.1 (SEA). Felt (III) at Sultan. Also felt in the Carnation-Duvall area.
	16	12 34 09.9	42.783 N	19.168 E	10 G			0 4	6	YUGOSLAVIA. ML 2.4 (TTG).
	16	12 58 24.1&	37.457 N	121.750 W	1				10	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	16	13 01 30.9?	41.63 N	126.31 W	10 G			0 4	6	OFF COAST OF NORTHERN CALIFORNIA. ML 3.3 (BRK).
	16	14 23 05.0%	43.731 N	7.293 E	10 G			0.2	7	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	16	15 28 44.2%	39.459 N	16.335 E	10 G			0 3	5	SOUTHERN ITALY. MD 3.0 (ROM).
	16	15 42 30.9	31.965 S	67.181 W	134 D	4.8		1.1	64	SAN JUAN PROVINCE, ARGENTINA. Felt (IV) in the San Juan area.
	16	15 53 24.0	59.193 N	136.558 W	10 G	4.4		1 3	28	SOUTHEASTERN ALASKA. ML 4.3 (PMR). Felt (III) at Gustavus, Haines, Klukwan, Juneau and Skagway.
	16	16 33 02.7	0.163 S	77.793 W	27	4.8		1 0	56	ECUADOR. Felt (IV) at Ibarra and (III) at Quito.
	16	17 02 08.0%	37.700 N	15.031 E	10 G			0 5	6	SICILY. MD 2.7 (ROM).
	16	17 16 53.3?	7.03 S	129.89 E	181 ?			1.5	6	BANDA SEA
	16	17 31 55.4	4.714 S	125.614 E	460 *	5.0		1.3	35	BANDA SEA
	16	17 55 56.4	49.157 N	6.893 E	10 G			1.2	16	GERMANY. ML 2.5 (KBA). MD 2.3 (LDG).
	16	22 57 32.4	22.841 S	63.732 W	540 *	4.9		1.1	21	SALTA PROVINCE, ARGENTINA
	16	23 39 09.5	21.746 S	69.875 W	88 *	5 2		1 1	63	NORTHERN CHILE
	17	02 12 23.7*	43.241 N	26.150 E	10 G			0 5	5	BULGARIA
	17	02 22 49.3?	13.44 N	120 52 E	62 ?	5.0		1.5	11	MINDORO, PHILIPPINE ISLANDS
	17	05 33 38.9&	33 240 N	116.250 W	8				8	SOUTHERN CALIFORNIA <PAS-P>. ML 3.2 (PAS).
	17	06 00 33.8*	37.491 N	9.229 W	10 G			1 0	10	PORTUGAL. MG 3 2 (MDD)
	17	06 25 53.4%	37.674 N	15.026 E	10 G			0.3	5	SICILY. MD 2.6 (ROM)
	17	07 27 33.3%	39.129 N	27 619 E	10 G			0.2	5	TURKEY
	17	08 25 37.0	32 382 S	69.710 W	117	4.5		0.9	32	MENDOZA PROVINCE, ARGENTINA Felt (III) in Mendoza Province
	17	08 28 59.2%	39.167 N	27 577 E	10 G			0.3	5	TURKEY
	17	09 35 10.1%	40.671 N	29.899 E	10 G			0.9	10	TURKEY
	17	10 18 39.9?	6.67 S	129.83 E	188 ?			0.8	5	BANDA SEA
	17	10 37 25.0%	39.667 N	29.391 E	10 G			0.7	5	TURKEY
	17	12 30 34 0&	19.996 N	156.453 W	5				46	HAWAII. <HVO-P>. MD 4.0 (HVO).
a	17	12 52 03.8	10.690 S	165.221 E	48 *	5.6 5.5		1.1	161	SANTA CRUZ ISLANDS. Ms 5 5 (BRK).
	17	13 18 57.2?	6.73 S	130.57 E	145 ?	4.7		1.0	8	BANDA SEA
	17	13 24 24.5%	37.704 N	15.031 E	10 G			0.4	7	SICILY. MD 2.8 (ROM).
a	17	13 30 43.9	42.971 N	77.508 E	24	5.3 5.3		1.1	239	ALMA-ATA REGION. Felt (V) at Alma-Ata, Cholpan-Ata and Ananyeva; (IV) at Przhevalsk and Frunze; (III) at Rybachye.
a	17	17 01 24.8	10.659 S	165.230 E	33 N	4.7 4.7		1.0	70	SANTA CRUZ ISLANDS
	17	17 08 58.2%	39.484 N	26.375 E	10 G			1.0	7	TURKEY
	17	18 10 20 5	15.187 N	61.337 W	151	4.5		0.7	32	LEEWARD ISLANDS. Felt on Dominica.
	17	19 26 15 5	42 268 N	19.861 E	10 G			1.1	23	YUGOSLAVIA. MD 3.5 (ATH), 3.2 (TTG).
	17	19 39 47 0	38.335 N	20.408 E	12			1.0	24	GREECE. ML 3.7 (ATH), 3.5 (ROM).
	17	20 13 26.1*	54.792 N	161.307 W	33 N			1.2	15	ALASKA PENINSULA. ML 3.5 (PMR).
	17	21 49 36.3?	29.05 S	69.03 W	33 N			1.0	10	CHILE-ARGENTINA BORDER REGION
	17	22 24 47.0*	7 604 S	128.475 E	33 N	4.7		1.4	19	BANDA SEA
	18	00 07 40.2*	32.859 S	71.059 W	33 N			0.8	10	NEAR COAST OF CENTRAL CHILE
	18	01 28 32.6?	9.63 S	113.93 E	33 N	4.6		1.2	8	SOUTH OF JAVA
	18	04 31 35.5%	39.828 N	29.146 E	33 N			1.2	7	TURKEY
	18	07 39 54.3&	34.034 N	98.710 W	5 G				3	OKLAHOMA. <TUL>. MD 2.0 (TUL).
	18	08 54 19.1%	39.112 N	27.605 E	10 G			0.3	5	TURKEY
	18	09 39 45.3?	36.03 N	73.19 E	33 N			0 5	5	NORTHWESTERN KASHMIR
	18	10 15 51.1%	39.636 N	29.359 E	10 G			0.4	5	TURKEY
	18	10 25 21.6&	33 910 N	116.950 W	16				10	SOUTHERN CALIFORNIA <PAS-P>. ML 3.0 (PAS)
	18	10 33 55 0*	51.579 N	7.193 E	10 G			1 4	5	GERMANY
	18	11 29 09.4	42.246 N	19.927 E	10 G			0.6	8	YUGOSLAVIA. ML 2 9 (TTG).
	18	11 38 58 8*	51.174 N	15.827 E	10 G			1.4	8	POLAND ML 3.4 (KBA).
	18	13 22 25.6&	33.910 N	116.950 W	15				19	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (IV) at San Bernardino, (III) at Beaumont, Cabazon, Hemet and Yucaipa and (II) at Lakeview. Also felt at Redlands

														and San Jacinta.
	18	14	44	13 7	48.228	N	116.387	W	5	G		0.7	24	WESTERN IDAHO. CL 3.4 (SEA).
	18	15	06	33 1	57.813	N	142.916	W	10	G	4.3	1 0	23	GULF OF ALASKA. ML 4.0 (PMR).
	18	15	23	38.4*	32.145	N	102.983	E	33	N		0.5	6	SICHUAN PROVINCE, CHINA. ML 3.4 (BJI).
	18	15	34	45.2&	39.158	N	99.113	W	5	G			14	KANSAS. <LAK-P>. mbLg 2.7 (TUL). Felt (III) at Cadell.
	18	15	59	26.1*	41.123	S	80.717	E	10	G	5.4 5.3	0.7	15	MID-INDIAN RISE
	18	16	01	54.8*	41.219	S	80.514	E	10	G	5.2	1.4	12	MID-INDIAN RISE
a	18	16	15	48.9	50.966	N	177.640	W	33	N	5.1 4.8	0.9	123	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
	18	17	17	21.0?	35.36	S	104.79	W	10	G	4.8	1 4	17	SOUTHERN PACIFIC OCEAN
	18	17	19	33.3%	38.834	N	27.119	E	10	G		0.2	5	TURKEY
	18	17	56	56.0*	33.163	S	68.664	W	10	G		0.4	5	MENDOZA PROVINCE, ARGENTINA
	18	18	03	45.2*	24.389	S	68.286	W	114	?	4.4	1.3	7	CHILE-ARGENTINA BORDER REGION
a	18	18	42	03.3	13.603	N	91.113	W	59		5.3 5.7	1.2	246	NEAR COAST OF GUATEMALA. Ms 6.1 (BRK), 5.4 (PAS). Felt throughout western Guatemala. Also felt (II) at San Salvador, El Salvador.
	18	19	23	42.8	45 161	N	25.936	E	9			0.8	12	ROMANIA
	18	19	34	30.2*	13.131	N	91 444	W	33	N	4.6	1 3	22	NEAR COAST OF GUATEMALA
	18	20	06	11.7&	36.267	N	120.330	W	9				14	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	18	20	12	27.1	13.605	N	91.239	W	51		5.0 4.7	1.3	109	NEAR COAST OF GUATEMALA
	18	21	51	09.0	28.109	N	142.569	E	31	*	4.6 4.2	1.2	52	BONIN ISLANDS REGION
	18	22	16	34.8*	13.355	N	91.430	W	33	N	4.4	1.0	19	NEAR COAST OF GUATEMALA
	18	22	29	08.2	13.666	S	14.662	W	10	G	4 7	0.7	35	SOUTH ATLANTIC RIDGE
	18	22	36	23.7*	13.374	N	91.502	W	33	N	4 3	1.3	25	NEAR COAST OF GUATEMALA
f	18	22	49	42.3	26.856	N	110.996	W	10	G	5.9 7.0	1.2	290	GULF OF CALIFORNIA. Felt at Cabarca, Ciudad Obregan, Guaymas and Navojaa, Mexica.
	18	23	55	11.6?	8 29	S	128.12	E	254	?	4.5	1.5	5	TIMOR SEA
	19	01	44	23 6	37.748	N	15.111	E	25		3.9	1.2	27	SICILY. MD 3.4 (ROM).
	19	01	56	23.0%	37.682	N	15.081	E	10	G		1.2	8	SICILY. MD 2.9 (ROM).
	19	02	00	37.8?	34 85	N	35.77	E	10	G		0.8	8	JORDAN - SYRIA REGION. ML 3.4 (BHL).
	19	02	27	22.7%	37.782	N	15.021	E	10	G		0.9	12	SICILY. MD 3 1 (ROM).
	19	02	28	32.0*	36.278	N	21.662	E	70	*	3.7	0.8	16	SOUTHERN GREECE. MD 4.0 (ATH).
	19	02	38	33.5*	26.673	N	110.976	W	10	G	4.4	0 6	14	GULF OF CALIFORNIA
	19	03	07	21.3	44.659	N	6.843	E	10	G		0.7	11	FRANCE. ML 2.8 (LDG). MD 2.6 (ROM).
	19	03	23	40.8	44.660	N	6.860	E	10	G		0.4	8	FRANCE. ML 2.2 (LDG).
	19	03	46	49.9	44.665	N	6.866	E	10	G		0 6	11	FRANCE. ML 2.8 (LDG). MD 2.6 (ROM).
a	19	04	38	12.9	10.610	S	165.009	E	66	*	5.2	1 1	36	SANTA CRUZ ISLANDS
	19	04	38	50.9*	7.403	S	128.134	E	150	?	5.4	1.2	27	BANDA SEA
a	19	05	57	07.5	4.019	S	131.403	E	33	N	5.1 4.7	1.2	59	BANDA SEA
	19	06	12	24 2%	37.724	N	15.017	E	10	G		0.8	5	SICILY. MD 2.6 (ROM).
	19	06	40	45.1?	42.00	N	48.01	E	33	N	4.3 3.7	1 3	9	CASPIAN SEA
	19	07	26	42.2*	27.507	N	112 379	W	10	G	4 2	1 3	26	BAJA CALIFORNIA
	19	08	10	16.6	27.303	N	127.151	E	144		4.7	1.0	39	RYUKYU ISLANDS
	19	08	11	06.2?	55.13	N	163.45	W	148		4 1	0.6	14	UNIMAK ISLAND REGION
	19	09	19	01.2	62.947	N	148.993	W	33	N		0 4	8	CENTRAL ALASKA. ML 3.0 (PMR).
	19	10	06	59.4%	15.370	N	61.259	W	10	G		0.4	11	LEEWARD ISLANDS. ML 2.6 (FDF).
	19	10	50	27.4%	40.948	N	28.452	E	33	N		1 1	5	TURKEY
	19	10	56	24.6%	40.849	N	28.335	E	10	G		0.5	6	TURKEY
	19	11	27	17.2?	12.78	N	143.21	E	105	?	5.1	1 1	14	SOUTH OF MARIANA ISLANDS
	19	12	13	43.9?	30.40	S	178.86	W	33	N	4.8	1.5	11	KERMADEC ISLANDS
a	19	13	05	04 7	18.303	S	177.814	W	408		5 2	1.1	144	FIJI ISLANDS REGION
	19	14	31	45.6	5.463	N	125.627	E	129	*	4.9	1.2	32	MINDANAO, PHILIPPINE ISLANDS
	19	14	42	28.5*	33.166	S	70.130	W	114	?		0 8	16	CHILE-ARGENTINA BORDER REGION
	19	15	46	54.1*	18.917	N	145.395	E	242	*	4.6	0 9	16	MARIANA ISLANDS
	19	19	16	00 7?	50.92	N	177.79	W	33	N	4.0	1 3	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	19	19	45	10.6	43 279	N	21.041	E	5			1 2	27	YUGOSLAVIA ML 2.9 (TTG)
f	19	20	19	52.6	12.376	N	121.067	E	17	D	5.6 6.4	1.4	172	MINDORO, PHILIPPINE ISLANDS. Two people killed, 4 injured and damage (VII RF) in the San Jose area. Felt (VI RF) at Calapan. Also felt (II RF) at Legaspi, Luzon
	19	20	24	12.9	12.132	N	121.098	E	33	N	5.4	1.0	30	MINDORO, PHILIPPINE ISLANDS
	19	20	30	56.7*	38.343	N	22.336	E	10	G		0.4	5	GREECE. ML 2.8 (ATH).
	19	21	28	28.0*	12 093	N	121.024	E	33	N	5.0	1.5	39	MINDORO, PHILIPPINE ISLANDS
	19	21	36	10.5*	32 623	N	137.923	E	325	*	4.0	0.8	16	SOUTH OF HONSHU, JAPAN
	19	22	21	02.0	38.399	N	73.581	E	131	*	4.5	1 0	40	TAJIK-XINJIANG BORDER REGION
	19	22	41	16 9&	33.975	N	99.657	W	5	G			3	CENTRAL TEXAS. <TUL>. MD 2.3 (TUL).
	20	01	15	58.9&	38.123	N	121.862	W	20				18	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	20	02	31	23.0	2.340	N	126.767	E	56	*	4 8	1.0	31	MOLUCCA PASSAGE
	20	03	02	55.8*	17.412	S	69.501	W	173			1.1	11	PERU-BOLIVIA BORDER REGION
	20	03	13	09.5?	46.69	N	154.47	E	33	N	4.3	1.0	9	KURIL ISLANDS REGION
	20	04	48	32.4%	37.775	N	15.038	E	10	G		1.2	7	SICILY. MD 3 0 (ROM).
	20	05	43	28.7%	16.743	N	60.392	W	33	N		0.5	7	LEEWARD ISLANDS ML 2.9 (FDF).
	20	06	09	30 7	15.408	S	75.570	W	40	*	4.7 4.3	1.3	48	NEAR COAST OF PERU
	20	06	44	25 7	8 010	S	129.682	E	43	*	4.9 5.0	1.4	26	TIMOR SEA
	20	06	47	21 6%	40.847	N	28.190	E	10	G		1.0	7	TURKEY
	20	07	33	02 9*	12.501	N	121.215	E	61	*	4.5	1.3	17	MINDORO, PHILIPPINE ISLANDS
	20	07	51	24.8*	44.089	N	149.105	E	33	N	4.8	1.0	43	KURIL ISLANDS
	20	08	30	58 3	12.267	N	121.085	E	33	N	4.4	1.1	14	MINDORO, PHILIPPINE ISLANDS
	20	08	51	12 0*	38.566	N	31.307	E	10	G		1.3	9	TURKEY
	20	09	28	03 5*	44 380	N	148.897	E	33	N	4 8	0.9	37	KURIL ISLANDS
	20	11	54	51 0?	51.46	N	16.30	E	10	G		1.3	8	POLAND ML 3.5 (VKA), 3.3 (KBA).
	20	12	47	23 9*	6 946	S	148.110	E	59	*	4.5 3.4	1 3	21	NEW BRITAIN REGION
a	20	13	35	44.7	12 288	N	121.094	E	33	N	5.2 5.3	1.3	107	MINDORO, PHILIPPINE ISLANDS
	20	13	48	15.5*	26.484	N	110.897	W	10	G	4.4	1.2	33	GULF OF CALIFORNIA
	20	14	08	46.4*	39.472	N	28.919	E	10	G		1 0	7	TURKEY
	20	14	55	57.2*	7.367	S	128.977	E	151	*	4.4	1.3	18	BANDA SEA
	20	15	26	38.2&	37 122	N	121.512	W	7				28	CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK). Mo=1 5*10*15 Nm (BRK) Felt (V) at San Jose, (IV) at Fremont, Gilroy and Santo Cruz, (III) at Ben Lamand, Holt, Livermare, Merced, Oakland and San Martin.
	20	15	47	34 0	49 149	N	6.888	E	10	G		0.7	9	GERMANY. MD 1.0 (LDG), 1.0 (STR).
	20	16	45	28.4	10.969	N	69.305	W	28		4.6	0.8	36	VENEZUELA
	20	18	09	34.0	49.921	N	28.913	W	10	G	4 3	1.0	35	NORTH ATLANTIC RIDGE
	20	18	36	40.2&	37.130	N	121.510	W	6				12	CENTRAL CALIFORNIA. <BRk>. ML 2.7 (BRk).

	20	19 07 02.8*	41.080	S	176.058	E	63		4.5		1.5	21	OFF E. COAST OF N. ISLAND, N.Z. Felt on the southern holf of North Island.
	20	19 44 33.6?	25.26	N	143.24	E	33	N	4.9		1.3	9	VOLCANO ISLANDS REGION
	20	21 16 27.7	30.805	S	117.097	E	10	G			0.5	7	WESTERN AUSTRALIA
	20	23 56 22.4?	36 26	N	28.11	E	10	G			0.8	5	DODECANESE ISLANDS
	21	01 50 25.1&	19.314	N	155.490	W	9					46	HAWAII. <HVO-P>. MD 4.0 (HVO). Felt (III) at Poholo and (II) at Ninole. Also felt at Woods Volley.
	21	01 50 57.7	39.968	N	23.975	E	22		3.9		1.2	53	AEGEAN SEA. ML 3.8 (ATH).
	21	03 25 22.8*	54.729	N	161.850	E	33	N	4.5		0.9	19	NEAR EAST COAST OF KAMCHATKA
	21	05 07 21.2*	39.501	N	29.132	E	10	G			0.9	5	TURKEY
	21	05 50 41.6*	47.141	S	165.588	E	33	N	4.6	4.1	1.5	13	OFF W. COAST OF S. ISLAND, N.Z.
	21	05 59 16.0*	33.195	S	72.094	W	10	G			0.6	11	OFF COAST OF CENTRAL CHILE
	21	06 13 27.4	38.956	N	25.797	E	33	N			0.5	9	AEGEAN SEA. ML 3.3 (ATH).
o	21	06 26 16.6	24.878	N	45.867	W	25	D	5.9	5.7	1.0	334	NORTH ATLANTIC RIDGE
	21	07 34 32.1*	26.298	N	110.961	W	10	G	4.5		1.1	28	GULF OF CALIFORNIA
	21	07 40 04.4	7.460	S	130.105	E	33	N	4.8		1.0	17	TANIMBAR ISLANDS REGION
	21	08 44 19.7?	21 55	S	169.84	E	98	?	4.4		1.3	12	LOYALTY ISLANDS REGION
	21	10 17 47.3%	17.983	N	66.981	W	10	G			0.7	6	PUERTO RICO REGION
	21	10 36 48.2	24 348	S	67.026	W	186		4.5		1.3	43	CHILE-ARGENTINA BORDER REGION
	21	11 56 35.7?	13.33	S	117.91	E	10	G			1.4	9	NORTHWEST OF AUSTRALIA
	21	12 33 23.1?	48.20	S	165.73	E	33	N	4.6		1.2	9	OFF W. COAST OF S ISLAND, N.Z.
	21	14 33 43.5*	24 322	N	123.599	E	33	N	4.6		0.8	9	SOUTHWESTERN RYUKYU ISLANDS
	21	16 02 59.8?	4.22	S	152.25	E	41	*	4.5		1.4	11	NEW BRITAIN REGION. Felt (V) at Raboul.
	21	16 19 55.3	57.724	S	25.273	W	33	N	5.2	4.2	0.8	40	SOUTH SANDWICH ISLANDS REGION
	21	16 26 28.7	42.214	N	24.926	E	10	G			1.0	12	BULGARIA
	21	18 21 44.6	63.234	N	150.383	W	125	?			1.2	13	CENTRAL ALASKA
	21	19 07 20.1*	37.803	S	148.803	W	10	G	4.6		0.8	15	SOUTH PACIFIC OCEAN. Believed to be the first instrumentally located hypocenter in this area
	21	19 55 12.2	22.052	S	66.042	W	294	*	4.5		0.8	13	JUJUY PROVINCE, ARGENTINA
	21	20 02 50.4&	32.070	N	116.410	W	6	G				8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS).
	21	21 18 47.1	62.238	N	151.399	W	104	*			0.7	13	CENTRAL ALASKA
	21	21 22 44.1*	19.133	S	169.045	E	165	*	5.0		1.1	31	VANUATU ISLANDS
o	21	21 38 54.2	44.593	N	148.864	E	49	D	5.7	4.9	0.9	336	KURIL ISLANDS. Felt (II JMA) at Nemuro and (I JMA) at Kushiro, Hokkaido; (I JMA) at Morioka and Miyoko, Honshu.
	21	21 40 09.6*	40.441	N	51.683	E	33	N	4.4		0.5	9	CASPIAN SEA
	21	23 12 45.6&	34.507	N	96.263	W	5	G				5	OKLAHOMA. <TUL>. MD 2.1 (TUL).
	22	00 14 27.4	40.087	N	23.962	E	10	G			1.2	11	GREECE. ML 3.1 (ATH).
	22	00 33 27.7*	37.961	N	23.503	E	10	G			1.1	11	SOUTHERN GREECE. ML 3.1 (ATH).
	22	00 49 06.8?	18.22	S	68.86	W	163	*			1.5	7	CHILE-BOLIVIA BORDER REGION
	22	00 49 37.0%	37.161	N	30.040	E	10	G			1.2	6	TURKEY
	22	01 11 35.3?	50.95	N	19.60	E	10	G			1.5	8	POLAND. ML 3.0 (KRA).
	22	01 27 27.7*	38.443	N	21.906	E	10	G	3	5	1.1	7	GREECE. ML 3.0 (ATH).
	22	01 52 31.9	40 859	N	16.540	E	11				1.4	35	SOUTHERN ITALY. MD 3.4 (ROM).
	22	02 25 17 3*	33 438	S	68.839	W	10	G			0.9	5	MENDOZA PROVINCE, ARGENTINA
	22	05 21 04.3?	41 29	S	90.59	W	10	G	4.8		0.6	7	SOUTHERN PACIFIC OCEAN
	22	06 31 31.6*	26 386	S	139.978	E	10	G			0.8	5	SOUTH AUSTRALIA
	22	09 16 12.7*	23.482	S	179.159	W	567	*	5.2		0.8	13	SOUTH OF FIJI ISLANDS
	22	09 24 29.1*	6.139	S	146 048	E	33	N	3.5		1.2	9	EAST PAPUA NEW GUINEA REGION
	22	10 28 23.5?	45 44	N	149.08	E	33	N	4.6		0.8	25	KURIL ISLANDS
	22	10 33 27.9*	43.678	N	16.774	E	10	G			0.2	5	YUGOSLAVIA ML 2.7 (TTG), 2.5 (KBA).
	22	13 30 06.2?	5 01	S	145.68	E	107	*	4.7		1.4	8	EAST PAPUA NEW GUINEA REGION
	22	13 33 28.3*	54 108	N	161.840	W	33	N	5.0		1.3	24	ALASKA PENINSULA
	22	14 00 00.0&	37 166	N	116 072	W	0					51	SOUTHERN NEVADA <DOE> ML 3.1 (NEIS). 37° 09' 58.17" N , 116° 04' 20 08" W., Surface Elev. 1336 m., Depth of Burial 200 m , Shot Time 140000.079, "RHYOLITE-NIGHTINGALE," Nevada Test Site (Dept. of Energy).
	22	15 07 54.7?	0 98	N	97 12	W	10	G	4.4		0 6	13	WEST OF GALAPAGOS ISLANDS
	22	15 22 57.9	10 611	N	41 082	W	10	G	4 8	4.7	1.0	39	NORTH ATLANTIC RIDGE
	22	15 41 43.9*	41 853	N	23 894	E	10	G			1.5	6	GREECE-BULGARIA BORDER REGION. MD 3.2 (ATH).
	22	21 32 17.7	44.008	N	7 797	E	10	G			0.8	15	NORTHERN ITALY. ML 3 0 (LDG).
	22	21 53 07.5	15.208	S	168 202	E	26	D	5.3		1.0	200	VANUATU ISLANDS
	22	22 39 53.9	27.993	N	139.961	E	381	*	4.7		0.7	67	BONIN ISLANDS REGION
	23	00 20 45.9?	34.15	S	70.59	W	33	N			1 2	8	CHILE-ARGENTINA BORDER REGION
	23	01 14 54.6	42.384	N	16.780	E	25				0.8	12	ADRIATIC SEA. MD 3.1 (ROM).
	23	01 31 56.4	30.789	N	50.056	E	33	N	4.5		1.0	23	IRAN. Felt in the Deh Dosht area.
	23	01 34 25.3%	33.090	S	70.877	W	33	N			1.2	10	CHILE-ARGENTINA BORDER REGION
	23	01 47 53.4*	39.586	N	74.854	E	85	*	4	4	1.3	15	SOUTHERN XINJIANG, CHINA
	23	02 52 06.0	38.070	N	29 046	E	12		3.8		1.0	24	TURKEY. MD 3.9 (ATH)
	23	02 59 22.6%	38.028	N	29.111	E	10	G			1.2	6	TURKEY
	23	03 20 27.8*	38.052	N	29.045	E	10	G			1.2	7	TURKEY
o	23	04 11 11.6	2.231	N	126.594	E	69		5.6		1.1	144	MOLUCCA PASSAGE
	23	04 41 25.4?	47 81	N	1.21	W	10	G			0.6	5	FRANCE. ML 2.0 (LDG).
	23	05 14 54.9	0 634	S	67.254	E	10	G	5.1		1.0	49	CARLSBERG RIDGE
	23	05 59 34.4	15.232	S	178.294	W	413		4.8		1.1	66	FIJI ISLANDS REGION
	23	08 08 25 8*	6.953	S	154.230	E	65	?	5.0		0.3	8	SOLOMON ISLANDS
	23	10 07 47.4?	11.64	S	118 01	E	33	N			1.2	6	SOUTH OF SUMBAWA ISLAND
	23	10 16 11 6?	14.41	N	147.67	E	33	N	4.7		1.1	7	MARIANA ISLANDS REGION. Felt (III) on Guam.
	23	11 11 03.0*	23.090	N	121.070	E	10	G			1.0	5	TAIWAN
	23	11 14 48 0*	45 804	N	23.048	E	90	?			1.1	7	ROMANIA
	23	11 31 13.9	16.822	S	128.626	E	10	G			1.2	11	WESTERN AUSTRALIA
	23	11 38 06.6*	19.974	S	173.730	W	33	N	4.5		0.5	9	TONGA ISLANDS
	23	11 55 13.5	39 756	N	23.791	E	10	G			0.9	17	AEGEAN SEA. ML 3 6 (ATH).
	23	12 04 29 0?	0 42	S	122.96	E	97	?	4.3		1.4	9	MINAHASSA PENINSULA
	23	13 19 48.8*	39.925	N	23.574	E	10	G			1.2	7	AEGEAN SEA. MD 3.4 (ATH).
	23	13 24 11.5%	43 882	N	7 384	E	10	G			0.9	5	NEAR SOUTH COAST OF FRANCE. MD 1 0 (STR)
	23	14 03 54.1%	41 165	N	28.504	E	10	G			0 9	6	TURKEY
	23	14 07 35.4?	32.33	S	71.60	W	10	G			0.5	9	NEAR COAST OF CENTRAL CHILE
	23	14 47 15.6%	39.060	N	30.111	E	10	G			1.5	6	TURKEY
	23	15 00 02.1*	17.623	S	176.068	E	10	G	4.8		1.1	26	FIJI ISLANDS REGION
	23	15 02 50 0	27.624	N	138.158	E	530	?	4.5		0.8	27	BONIN ISLANDS REGION
	23	15 39 32 6	39.059	N	30.142	E	10	G	4.1		1.1	51	TURKEY MD 4.1 (ATH). Felt in the Kutohyo-Afyon area.

	23	15	46	02.0	39.121	N	30.000	E	10	G		1.3	9	TURKEY
	23	17	30	58.6	21.906	S	139.016	W	0	G	5.3	0.9	70	TUAMOTU ARCHIPELAGO REGION
	23	18	50	55.5*	10.617	S	165.420	E	33	N	5.0	0.9	16	SANTA CRUZ ISLANDS
	23	21	40	17.9*	39.050	N	30.123	E	10	G		1.4	8	TURKEY
	23	22	10	13.7?	6.21	S	130.60	E	33	N	4.8	1.3	8	BANDA SEA
	23	23	19	14.8%	39.164	N	30.882	E	10	G		0.3	5	TURKEY
	24	00	14	13.2*	60.219	N	153.024	W	164	?		0.6	9	SOUTHERN ALASKA
a	24	02	06	26.3	18.606	N	121.013	E	53	D	5.4	1.0	215	LUZON, PHILIPPINE ISLANDS. Some damage reported in the Laoag area. Felt strongly in northern Luzon.
	24	03	24	08.3*	50.892	N	157.252	E	33	N	4.6	1.0	28	KURIL ISLANDS
	24	03	28	50.8?	34.04	S	72.22	W	13			1.1	17	NEAR COAST OF CENTRAL CHILE
	24	03	32	35.9*	33.791	S	71.636	W	10	G		1.1	8	NEAR COAST OF CENTRAL CHILE
	24	04	14	50.2	52.673	N	35.006	W	10	G	4.3 3.8	1.1	29	NORTH ATLANTIC OCEAN
	24	05	00	55.5	38.640	N	21.674	E	23		3.7	1.0	25	GREECE. ML 3.6 (ATH).
	24	05	03	42.0%	16.642	N	61.986	W	33	N		1.0	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	24	05	38	54.9*	12.380	N	121.062	E	33	N	4.7	0.6	10	MINDORO, PHILIPPINE ISLANDS
	24	05	51	31.4?	59.71	S	24.13	W	33	N	4.7	1.4	6	SOUTH SANDWICH ISLANDS REGION
a	24	05	57	50.6	5.695	S	145.342	E	117		5.4	1.0	166	EAST PAPUA NEW GUINEA REGION
	24	06	31	02.4&	33.980	N	116.320	W	3				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	24	06	42	31.7*	33.789	S	71.634	W	10	G		0.3	8	NEAR COAST OF CENTRAL CHILE
	24	07	43	11.6	34.179	N	9.221	E	10	G	4.3	1.1	61	TUNISIA. ML 3.9 (ROM). Slight damage in the Oafsah-Sidi Bou Zayd area.
	24	08	32	25.5%	41.584	N	12.993	E	10	G		1.1	5	SOUTHERN ITALY. MD 2.6 (ROM).
f	24	08	57	53.3	10.209	N	60.559	W	39	G	6.0 5.6	1.0	440	TRINIDAD. Felt (V) on northern Trinidad and (II) on Martinique. Complex event. Depth from broadband displacement seismograms, based on second event.
	24	09	14	07.4?	7.13	N	82.40	W	10	G	4.5	0.7	11	SOUTH OF PANAMA
	24	09	25	24.4*	39.576	N	29.336	E	10	G		0.4	5	TURKEY
	24	10	01	43.7*	20.662	S	57.970	W	33	N		0.8	8	BRAZIL
	24	10	27	53.7?	10.30	N	61.72	W	50	?		0.6	18	TRINIDAD. MD 4.3 (TRN). Felt on northern and southern Trinidad.
	24	10	30	31.1	6.866	N	73.029	W	156		4.3	0.9	23	NORTHERN COLOMBIA
	24	10	59	11.7%	42.305	N	18.894	E	10	G		0.6	5	YUGOSLAVIA. ML 2.0 (TTG).
	24	11	44	35.9*	20.684	S	69.182	W	148	*		1.2	11	NORTHERN CHILE
	24	12	05	29.9?	20.11	S	69.86	W	33	N		0.7	5	NORTHERN CHILE
a	24	12	25	40.0	6.260	S	148.862	E	42		5.5 5.3	1.2	91	NEW BRITAIN REGION
a	24	12	56	48.0	34.414	S	177.929	E	520		5.3	0.9	71	NORTH OF NEW ZEALAND
	24	14	20	31.0?	18.48	N	67.57	W	10	G		0.6	6	MONA PASSAGE
	24	14	39	25.3*	6.252	S	151.436	E	33	N	4.8 3.8	0.8	6	NEW BRITAIN REGION
	24	14	44	40.3%	41.157	N	28.852	E	10	G		0.6	8	TURKEY
	24	15	06	17.6	37.179	N	30.000	E	13		3.8	1.2	24	TURKEY
	24	15	37	48.7&	61.906	N	124.260	W	10	G	4.9 3.9		83	NORTHWEST TERRITORIES, CANADA. <PGC-P>. Felt at Fort Simpson.
	24	17	08	34.9*	0.323	S	126.682	E	64	*		0.9	9	MOLUCCA SEA
	24	18	04	56.7	1.073	N	126.215	E	64	*	4.7	1.1	33	MOLUCCA PASSAGE
	24	19	58	44.4%	37.700	N	25.490	W	10	G		0.7	5	AZORES ISLANDS
	24	20	02	35.8%	37 700	N	25 480	W	10	G		0.8	5	AZORES ISLANDS
	24	20	34	03.3?	37.71	N	25.49	W	10	G		0.4	5	AZORES ISLANDS
	24	20	35	54.2%	37.738	N	25.454	W	10	G		0.4	5	AZORES ISLANDS
	24	20	38	47.1%	37.593	N	25.543	W	10	G		0 5	5	AZORES ISLANDS
	24	20	43	30.7?	40.43	N	44.53	E	10	G	3 6	1.2	8	TURKEY-USSR BORDER REGION
	24	20	44	11.3%	37.786	N	25.487	W	10	G		0.2	5	AZORES ISLANDS
	24	20	52	04.1%	37.742	N	25.445	W	10	G		0.7	6	AZORES ISLANDS
	24	20	57	23.3%	37.700	N	25.500	W	10	G		0 5	5	AZORES ISLANDS
	24	21	10	23 1	2 415	S	139.938	E	33	N	5 3 4 2	1.0	39	NEAR N. COAST OF WEST IRIAN
	24	22	06	51.4	37.121	N	137.888	E	217		4 7	0.8	110	NEAR WEST COAST OF HONSHU, JAPAN. Felt (I JMA) at Fukushima and Kawaguchi-ko.
	24	22	22	47.3	19.835	S	134 013	E	10	G	4 7	0 7	10	NORTHERN TERRITORY, AUSTRALIA
	24	22	35	28.5	39 505	N	26.147	E	10	G		1.5	10	TURKEY. MD 3 5 (ATH).
	24	23	06	59.2*	32 442	S	71.762	W	10	G		1.1	13	NEAR COAST OF CENTRAL CHILE
	25	00	02	04.7%	37.747	N	25.460	W	10	G		0 7	7	AZORES ISLANDS
	25	00	12	35.2*	39 038	N	30.115	E	10	G		1.1	5	TURKEY
	25	01	33	49.1*	7.384	S	127.969	E	133	?	4 9	1.2	17	BANDA SEA
	25	02	48	08.3	10.194	N	84.471	W	80	*		0 5	13	COSTA RICA. MD 4.0 (HDC), 3.9 (SJR).
	25	03	18	44.6*	36.397	N	28.912	E	10	G		1.3	7	DODECANESE ISLANDS. MG 3.9 (HLW)
	25	03	34	13.7	0.282	N	122.204	E	146	*	5.0	0.8	26	MINAHASSA PENINSULA
	25	04	19	15.6*	55.935	S	27.498	W	33	N	4.8	1.3	9	SOUTH SANDWICH ISLANDS REGION
	25	05	49	12.2*	4.106	S	80.452	W	55	D	4.8	0.9	24	PERU-ECUADOR BORDER REGION
a	25	06	24	23.7	33.346	S	179.430	W	53		5.4 5.1	1.1	169	SOUTH OF KERMADEC ISLANDS. Ms 5 4 (BRK).
	25	06	34	32.9*	23.923	N	121.752	E	10	G		1.2	8	TAIWAN
	25	06	49	40.2&	37.493	N	121.600	W	6				11	CENTRAL CALIFORNIA. <BRK>. ML 2 5 (BRK).
	25	07	24	52.8&	39.385	N	122.845	W	11				18	NORTHERN CALIFORNIA. <BRK>. ML 3 0 (BRK).
	25	09	09	27.3?	23.11	S	174.70	W	33	N	4.7	0.6	6	TONGA ISLANDS REGION
	25	11	02	17.5*	33.897	S	71.891	W	26		3.4	0.6	15	NEAR COAST OF CENTRAL CHILE
	25	11	58	11.1*	44 006	N	125.939	W	10	G		0.5	51	OFF COAST OF OREGON. CL 3.8 (SEA).
	25	12	35	20.4?	32.62	S	178.66	W	33	N	4.7	1.2	6	SOUTH OF KERMADEC ISLANDS
	25	13	54	23.3*	35.305	N	140.998	E	50	*	4.7	1.2	25	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Choshi.
	25	14	03	31.4*	0 391	S	97.238	E	33	N	4.0	1.4	15	SOUTHWEST OF SUMATERA
	25	14	14	47 5	50.812	N	177.378	E	33	N	4.7	0.9	37	RAT ISLANDS, ALEUTIAN ISLANDS
	25	15	04	47.1*	1.720	S	133.832	E	33	N	4.3	0.6	7	WEST IRIAN REGION
	25	15	56	40.9	8 846	S	106.257	E	32	D	5.0 4.3	1.2	47	SOUTH OF JAVA
a	25	16	15	38.3	38.458	N	43.038	E	51		5.3 5.0	1.1	264	TURKEY. Felt in the Diyarbakir-Van area
	25	16	33	08.6	14.557	N	90.568	W	10	G		0.3	10	GUATEMALA. MG 3 8 (GCG). Felt (IV) in the Guatemala City area.
	25	16	51	36.4*	37.710	N	23.676	E	28	*	3.8	0.9	7	SOUTHERN GREECE ML 3.5 (ATH). Felt on Paros.
	25	16	56	20 7*	39 336	N	30.031	E	10	G		1.1	5	TURKEY
	25	17	02	20 3	8 717	S	106.348	E	33	D	5 0	1.0	47	SOUTH OF JAVA
	25	17	23	45.8?	33.18	S	179.19	W	33	N	4.8	1.4	13	SOUTH OF KERMADEC ISLANDS
	25	17	40	58.6?	9 44	S	106.12	E	33	N	3.9	1.2	7	SOUTH OF JAVA
	25	17	48	25.6&	33.780	N	115.980	W	9				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	25	18	02	16.4*	60.381	N	147 290	W	33	N		0.1	5	SOUTHERN ALASKA ML 3.5 (PMR).
	25	18	20	47 1	16.541	S	167.179	E	23		4.8 4.5	1.0	65	VANUATU ISLANDS

	25	18 20 48 0	40.165	N	63.309	E	33	N	4.4		1.5	45	UZBEK SSR. Felt (III) at Gazli.
	25	19 25 23.6	22.423	S	179.596	W	585	*	4.7		1.0	29	SOUTH OF FIJI ISLANDS
	25	19 28 21.0?	36.53	N	71.27	E	241	?	4.0		0.9	7	AFGHANISTAN-USSR BORDER REGION
	25	19 36 46.1?	7.23	N	125.97	E	33	N			1.6	8	MINDANAO, PHILIPPINE ISLANDS
	25	20 30 42.8?	40.34	N	125.42	W	5	G			0.4	7	OFF COAST OF NORTHERN CALIFORNIA. ML 2.7 (BRK).
	25	22 43 15.8	18.324	N	120.937	E	33	N	4.2		0.7	18	LUZON, PHILIPPINE ISLANDS
	25	23 24 37.6*	33.724	S	70.288	W	120	?			0.7	13	CHILE-ARGENTINA BORDER REGION
	25	23 55 26.4?	45.94	S	168.11	E	33	N	4.0		1.1	6	SOUTH ISLAND, NEW ZEALAND
	26	00 43 30.1%	39.991	N	29.114	E	10	G			0.7	8	TURKEY
	26	01 01 22.2%	39.975	N	29.141	E	10	G			1.1	8	TURKEY
	26	01 03 39.6	39.235	N	143.489	E	46	*	4.6		1.0	67	OFF EAST COAST OF HONSHU, JAPAN
	26	01 10 53.7%	15.620	N	61.712	W	154	?			0.4	11	LEEWARD ISLANDS
	26	02 33 07.0?	15.87	N	60.65	W	33	N			0.0	5	LEEWARD ISLANDS. ML 2.2 (FDF).
	26	02 46 45.9	23.682	N	121.562	E	16	*	4.1		1.2	21	TAIWAN
	26	02 49 59.5%	39.985	N	29.105	E	10	G			0.3	5	TURKEY
	26	03 08 04.8&	38.418	N	119.555	W	6					14	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	26	03 17 52.5%	46.594	N	2.897	E	10	G			0.8	9	FRANCE. ML 2.5 (LDG).
	26	03 24 25.8	36.270	S	52.730	W	31	D	5.1		1.0	51	SOUTH ATLANTIC OCEAN
	26	04 18 31.2	31.331	N	64.784	W	10	G	5.1	4.1	0.8	154	NORTH ATLANTIC OCEAN. Felt strongly on Bermuda.
	26	06 02 54.9?	19.70	S	179.46	E	639	?	4.5		1.3	14	SOUTH OF FIJI ISLANDS
	26	06 05 03.2	38.410	N	20.421	E	35	*	3.8		0.9	40	GREECE. ML 4.2 (ROM), 4.1 (TTG), 4.0 (ATH).
	26	06 47 25.7?	17.92	S	178.10	W	659	?	4.3		0.7	23	FIJI ISLANDS REGION
	26	07 03 24.8	10.311	N	60.575	W	58		5.0		1.0	152	TRINIDAD. MD 4.8 (TRN).
	26	07 30 06.8&	38.823	N	122.803	W	6					21	NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.9*10**14 Nm (BRK). Felt (IV) at Cobb. Also felt at Hobergs and Loch Lamond.
	26	07 54 25.3&	37.480	N	121.798	W	6					22	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=3.9*10**14 Nm (BRK). Felt (V) at San Jose, (IV) at Pleasanton and (II) at Santa Clara. Also felt at San Francisco.
	26	08 35 44.1?	40.41	N	141.59	E	107	*	4.5		0.2	6	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyako.
	26	08 49 45.0?	15.68	N	60.84	W	33	N			0.2	5	LEEWARD ISLANDS. ML 2 0 (FDF).
	26	08 55 30.9*	40.222	N	124.491	W	10	G			0 4	8	NEAR COAST OF NORTHERN CALIF. ML 2.8 (BRK).
a	26	09 22 59.7	46.262	N	144.102	E	327		5.2		0.9	287	SEA OF OKHOTSK Felt (I JMA) at Urakawa, Hakkaido.
	26	10 46 16.9	49.142	N	6.915	E	10	G			1.0	8	GERMANY. ML 1.0 (LDG). MD 1.0 (STR).
	26	11 15 42.9*	40.939	N	26.170	E	10	G			1.5	7	TURKEY
	26	11 27 07.4	10.869	S	165.183	E	33	N	4.5		0.9	25	SANTA CRUZ ISLANDS
	26	11 56 40.0?	39.12	N	29.67	E	10	G			1.2	5	TURKEY
	26	13 27 55.4	42.771	N	12.602	E	10	G			0.3	6	CENTRAL ITALY. MD 2 7 (ROM).
	26	13 34 30.4*	23.773	N	121.461	E	10	G			1.5	7	TAIWAN
	26	13 42 01 5%	33.328	S	71.306	W	33	N			0.7	9	NEAR COAST OF CENTRAL CHILE
	26	13 51 16.3*	21.845	S	67.442	W	200		5.0		1.5	20	CHILE-BOLIVIA BORDER REGION
	26	14 40 58.2?	39.76	N	143.16	E	10	G	4.3		0.9	9	OFF EAST COAST OF HONSHU, JAPAN
	26	14 53 54.2?	5.50	S	129.94	E	33	N	4.2		1 3	10	BANDA SEA
	26	15 04 58.4&	34.140	N	117.710	W	8		4 5			70	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.6 (PAS). Felt (V) at Alhambra, Covina, Cypress, Hawthorne, La Mirada, Las Nietas, Montclair, Mount Baldy, Pattan and Pasadena. Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.
	26	16 09 56.2&	34.140	N	117.700	W	8					18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt.
	26	16 11 44 6&	34.140	N	117.700	W	8					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
a	26	17 41 28.7	11 807	N	87.059	W	55		5 0	4.2	1.2	89	NEAR COAST OF NICARAGUA
	26	18 31 36.3?	8.56	S	106.47	E	33	N	4.6		0.8	11	SOUTH OF JAVA
	26	18 38 39.8&	34.140	N	117.710	W	6					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (III) at Alta Loma. Also felt at Chino.
	26	20 00 41.6%	37.722	N	25.480	W	10	G			0 6	7	AZORES ISLANDS
	26	20 34 36.1%	46.877	N	0.698	E	10	G			0.9	9	FRANCE. ML 2.3 (LDG).
	26	21 21 31.9	35.979	N	4.279	W	18				1.2	21	STRAIT OF GIBRALTAR. MG 3.4 (MDD).
	26	23 05 54.0	44.158	N	129.204	W	10	G	4.5	3.9	0.7	80	OFF COAST OF OREGON
	26	23 31 13.1*	29.366	S	72.706	W	33	N			0.7	5	OFF COAST OF CENTRAL CHILE
	27	00 15 14.8*	35.724	N	140.550	E	33	N	3 9		1.4	6	NEAR EAST COAST OF HONSHU, JAPAN
	27	00 24 18.6*	39.030	N	30.150	E	10	G			1.2	5	TURKEY
	27	00 33 46.1?	24.11	S	175.65	W	33	N	5 1		1.5	12	SOUTH OF TONGA ISLANDS
	27	00 37 01 3*	30.562	S	69.983	W	159	?			0.6	13	CHILE-ARGENTINA BORDER REGION
	27	00 39 23.1	32.418	S	72.040	W	33	N	4.1		1.0	19	OFF COAST OF CENTRAL CHILE. Felt (IV) at Valparaiso.
	27	00 53 54.0*	39.040	N	30.235	E	10	G			1.4	7	TURKEY
	27	01 13 14 1&	37.852	N	121.777	W	12					20	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Mo=8.7*10**13 Nm (BRK).
	27	01 33 17.4?	32.61	S	71.69	W	10	G			0.4	8	NEAR COAST OF CENTRAL CHILE
	27	01 49 29.4%	40.256	N	29.427	E	10	G			0.6	8	TURKEY
	27	02 22 15.3*	39.011	N	30.150	E	10	G			1.6	5	TURKEY
	27	02 32 07.5%	15.149	N	60.432	W	10	G			0.5	9	LEEWARD ISLANDS. ML 2.4 (FDF).
	27	03 31 30.6%	18.154	N	66.936	W	10	G			0.8	7	PUERTO RICO REGION
	27	03 43 30.7	38.285	N	20.414	E	10	G	3.9		1.1	29	GREECE. ML 3.8 (ATH), 3.6 (ROM), 3.4 (TTG).
	27	04 18 45.2&	46 540	N	121.805	W	6					3	WASHINGTON. <SEA>. CL 1.8 (SEA). Felt at Packwood.
	27	04 18 53.0&	37.300	N	121.673	W	5					9	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Small foreshock 15 seconds earlier.
	27	05 10 32.2	42.296	N	19.872	E	10	G			0.5	7	YUGOSLAVIA. ML 2.4 (TTG).
	27	05 24 15.3*	33.819	S	71.587	W	10	G			1 0	9	NEAR COAST OF CENTRAL CHILE
	27	05 36 21.1	45.770	N	26.828	E	102		4.1		1.1	45	ROMANIA
a	27	06 07 50.8	20.237	S	169.373	E	66	G	5.8		1.1	277	VANUATU ISLANDS. Ms 5.2 (BRK). Felt at Noumea, New Caledonia and in the Loyalty Islands. Depth from broadband displacement seismograms.
	27	06 28 55.4*	40.823	N	27.863	E	10	G			0.4	5	TURKEY
	27	07 01 18 0%	37.743	N	25.449	W	10	G			0 4	5	AZORES ISLANDS
	27	07 47 26.1	66.685	N	129.932	W	10	G			1.1	9	NORTHWEST TERRITORIES, CANADA
	27	08 13 51.4?	47.17	N	153.78	E	33	N	4.9		1 2	7	KURIL ISLANDS
	27	08 19 37 1*	33.951	N	46.257	E	33	N	4 6	3.9	1 2	17	IRAN-IRAO BORDER REGION Felt in the Sar-e-Pol and Zohab regions, Iran
	27	08 22 35.2%	42.258	N	19.902	E	10	G			0.6	7	YUGOSLAVIA. ML 2 4 (TTG).
	27	08 33 02.3?	32.42	S	71.58	W	10	G			0 6	9	NEAR COAST OF CENTRAL CHILE
	27	09 23 16.4	18.033	S	177.925	W	567		5 2		1 0	71	FIJI ISLANDS REGION
	27	10 53 42.3?	29.33	N	142.82	E	33	N	4.1		1.0	5	SOUTH OF HONSHU, JAPAN

	27	11	26	13	0•	35.987	N	4.537	W	125	?	0.6	8	STRAIT OF GIBRALTAR
	27	11	35	35.8•		23.907	N	122.475	E	10	G 4.0	0.6	6	TAIWAN REGION
	27	12	08	21.8		20.846	S	179.004	W	627	• 4.7	0.9	49	FIJI ISLANDS REGION
	27	13	16	19.5?		32.60	S	71.70	W	10	G	0.5	8	NEAR COAST OF CENTRAL CHILE
	27	13	37	45.6		5.529	N	126.526	E	10	G 4.8	1.3	30	MINDANAO, PHILIPPINE ISLANDS
	27	13	54	11.1?		17.71	S	176.66	W	102	? 4.9	1.3	17	FIJI ISLANDS REGION
	27	14	33	33.0?		8.10	S	128.30	E	141	? 4.1	1.1	7	TIMOR SEA
	27	15	47	23.5?		31.09	S	178.15	W	511	? 4.7	1.1	14	KERMADEC ISLANDS REGION
a	27	16	15	46.1		21.861	S	179.145	W	539	D 5.4	0.9	115	FIJI ISLANDS REGION
	27	17	12	51.1•		6.109	S	146.491	E	67	• 4.4	1.0	20	EAST PAPUA NEW GUINEA REGION
	27	17	46	43.1		58.290	S	24.534	W	33	N 5.0	0.8	21	SOUTH SANDWICH ISLANDS REGION
	27	17	47	36.8		34.224	N	9.280	E	19	• 4.0	1.4	35	TUNISIA
	27	17	49	56.3•		6.429	N	82.653	W	10	G 4.6 4.0	1.2	23	SOUTH OF PANAMA. MD 4.9 (HDC).
	27	18	23	29.8•		21.929	S	170.066	E	33	N 4.6	1.2	23	LOYALTY ISLANDS REGION
	27	18	26	57.2•		57.645	N	142.985	W	10	G	1.1	8	GULF OF ALASKA. ML 3.6 (PMR).
	27	18	43	22.3&		37.130	N	121.878	W	13	4.8 4.1		68	CENTRAL CALIFORNIA. <BRK>. ML 5.7 (BRK). Slight damage (VI) at Los Gatos and items knocked from shelves at several locations in the San Jose-San Francisco area. Felt (V) at Boulder Creek, Brookdale, Campbell, Half Moon Bay, Hayward, La Selva Beach, Livermore, Millbrae, Moss Landing, Mountain View, Mount Herman, Oakland, Palo Alto, San Gregorio, Scotts Valley and Watsonville. Felt from Sonoma to Monterey.
	27	19	47	13.7•		15.297	N	119.298	E	38	? 4.0	1.2	12	LUZON, PHILIPPINE ISLANDS
	27	20	17	16.2•		4.854	S	150.111	E	33	N 4.8	1.0	5	NEW BRITAIN REGION
	27	21	33	59.6		42.543	N	7.407	E	26		1.0	30	WESTERN MEDITERRANEAN SEA. ML 3.2 (LDG). MD 3.3 (ROM).
	27	23	13	51.8•		49.671	N	128.450	W	10	G 4.6	1.0	25	VANCOUVER ISLAND REGION
	28	00	32	35.9?		8.84	S	122.42	E	262	? 4.3	0.5	7	FLORES ISLAND REGION
	28	00	59	12.7&		40.543	N	124.930	W	15			11	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.5 (BRK).
	28	01	13	06.3•		38.065	N	20.286	E	10	G	1.5	11	GREECE. ML 3 4 (ATH).
	28	01	54	32.9?		19.02	N	65.45	W	10	G	0.3	5	PUERTO RICO REGION
	28	02	12	06.9		37.538	N	13.957	E	36	•	0.6	22	SICILY. MD 3.4 (ROM).
	28	02	15	19.2%		42.337	N	19.123	E	10	G	0.4	.5	YUGOSLAVIA. ML 2.1 (TTG).
	28	02	17	07.5		5.359	S	151.876	E	57	• 4.6	1.0	18	NEW BRITAIN REGION
	28	02	30	18.4		20.121	N	94.972	E	97	4.6	0.8	46	BURMA
	28	02	33	40.9•		27.768	S	70.788	W	33	N	1.4	10	NEAR COAST OF NORTHERN CHILE
	28	03	05	14.1%		42.306	N	19.132	E	10	G	0.7	5	YUGOSLAVIA. ML 2.2 (TTG).
	28	03	32	25.7•		45.493	N	27.546	E	33	N	0.6	5	ROMANIA
	28	04	20	31.9•		56.049	N	163.499	E	33	N 4.6	0.6	14	NEAR EAST COAST OF KAMCHATKA
	28	05	24	35.2		32.595	S	71.817	W	20		0.8	15	NEAR COAST OF CENTRAL CHILE
	28	06	20	30.1		42.115	N	19.340	E	10	G	0.6	8	YUGOSLAVIA ML 2.7 (TTG).
	28	07	15	29.7•		51.178	N	174.720	W	33	N	0.8	7	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.6 (PMR).
	28	07	58	14.4&		39.400	N	122.900	W	7			10	NORTHERN CALIFORNIA. <BRK>. ML 2.7 (BRK).
	28	08	02	02.9?		50.56	N	174.67	W	33	N	1.2	6	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.9 (PMR).
	28	08	03	28.2?		38.12	N	69.98	E	87	? 4.3	0 5	8	TAJIK SSR
	28	08	41	08.8		42.700	N	142.816	E	51	4 6 3.8	1.2	21	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hiraa, Obihira and Urakawa.
	28	10	58	59.8%		43.860	N	9.329	E	10	G	0.5	7	CORSICA. MD 3.0 (ROM).
	28	11	12	55 1%		43.849	N	9.343	E	10	G	0.6	7	CORSICA. MD 2.7 (ROM).
	28	11	34	21 8		32.813	S	69.754	W	140	?	0.4	14	MENDOZA PROVINCE, ARGENTINA
	28	12	41	40.0%		16 644	N	61.727	W	33	N	0.4	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	28	13	15	49.2•		6.795	N	73.177	W	159	•	1.1	8	NORTHERN COLOMBIA
	28	13	45	41.1		47.684	N	7.486	E	10	G	0.5	6	SWITZERLAND. MD 1 0 (STR).
	28	13	50	53.0?		12.44	S	76.71	W	33	N	1 4	5	NEAR COAST OF PERU Felt at Limo.
	28	14	37	48.4		55.860	S	27.303	W	115	G 5 1	0 8	25	SOUTH SANDWICH ISLANDS REGION
a	28	16	40	19 0		56.432	S	147.147	E	10	G 5.7 5.9	0.9	115	WEST OF MACQUARIE ISLAND
	28	18	47	49.3		29.940	N	70.928	E	52	• 4.7	1 1	40	PAKISTAN
	28	20	13	43 4		40.866	N	25.807	E	10	G	1.6	9	AEGEAN SEA. MD 3 0 (ATH).
	28	20	21	45 2•		40.873	N	25.752	E	10	G	0.2	5	AEGEAN SEA. MD 3 1 (ATH).
	28	20	52	57.1?		24.61	N	94.75	E	139	? 4 7	1 0	10	BURMA-INDIA BORDER REGION
	28	21	43	29.1•		46 310	N	13.500	E	10	G	0.6	5	AUSTRIA. ML 2 0 (KBA). MD 2.2 (TRI).
	28	23	39	09.8?		17 75	S	169.70	E	33	N 4 4	1.1	5	VANUATU ISLANDS
	29	01	41	14.3?		6.43	S	147.70	E	57	• 3.2	1.1	7	EAST PAPUA NEW GUINEA REGION
	29	02	32	00.9		40 615	N	41.404	E	36	• 4.3 3.4	1.3	64	TURKEY. Felt in Erzurum Province.
	29	02	38	40.6?		17.60	N	65.55	W	10	G	0.6	5	PUERTO RICO REGION
	29	02	48	44.4•		60.152	N	152.823	W	113	?	0 5	7	SOUTHERN ALASKA
	29	02	51	54.4•		31.271	S	68.517	W	123	?	1.1	9	SAN JUAN PROVINCE, ARGENTINA
	29	03	03	50.5		42.310	N	142.534	E	57	4.7	0.8	40	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa, (II JMA) at Hiroo and (I JMA) at Obihiro.
	29	06	16	30.1•		33.594	S	70.803	W	85	•	0.9	11	CHILE-ARGENTINA BORDER REGION Felt at Santiago and Cajon del Maipo, Chile.
	29	06	27	25.5?		16.00	N	60.62	W	33	N	0.3	6	LEEWARD ISLANDS. ML 2.5 (FDF).
	29	07	29	30.7•		62.203	N	151.342	W	91	? 3.6	0.8	9	CENTRAL ALASKA
	29	07	34	36.0•		30.144	S	68.782	W	10	G	1.1	10	SAN JUAN PROVINCE, ARGENTINA
	29	07	43	33.4?		51.80	N	20.98	E	10	G	1.4	5	POLAND. ML 2.8 (KRA).
	29	08	43	04.5?		15.84	N	60.98	W	33	N	0.3	5	LEEWARD ISLANDS. ML 2.0 (FDF).
	29	09	06	01.9?		42.97	S	15.77	W	10	G 4.9 4.6	1.0	20	TRISTAN DA CUNHA REGION
	29	09	18	00.5		38.274	N	20.339	E	10	G 4.0 3.6	1.4	17	GREECE. ML 3.7 (ATH), 3.5 (ROM).
a	29	10	30	16.8•		42.818	S	16.036	W	10	G 5.2 5.5	1.3	35	SOUTH ATLANTIC RIDGE
	29	12	20	20.0%		41.555	N	12.982	E	10	G	0.8	10	SOUTHERN ITALY MD 3.1 (ROM).
	29	12	29	47.7•		0.105	S	132.507	E	33	N 4.2	1 4	11	WEST IRIAN REGION
	29	12	37	12.7		41.572	N	15.363	E	23	•	0.5	8	SOUTHERN ITALY MD 3.1 (ROM).
	29	13	04	20.2?		33.74	N	48.27	E	61	? 4.2	0.1	5	WESTERN IRAN
	29	13	31	21.5		1.305	N	126.300	E	71	• 4.7	1.1	22	MOLUCCA PASSAGE
	29	13	33	27.5•		15.271	S	167.313	E	137	• 4.7	1.0	27	VANUATU ISLANDS
	29	13	59	03 4		47.905	N	17.249	E	10	G	1.3	11	HUNGARY. ML 3 4 (KBA), 3.3 (VKA).
	29	14	11	03 7•		33 561	S	71.546	W	10	G	1 1	11	NEAR COAST OF CENTRAL CHILE
	29	14	14	38.3•		50 013	N	8.113	E	0	G	1.0	5	GERMANY. Probable explosion
	29	14	28	15.1%		33.585	S	71.591	W	10	G	0.8	8	NEAR COAST OF CENTRAL CHILE
a	29	14	57	51 9		23.338	S	179.930	W	540	5.1	0 9	76	SOUTH OF FIJI ISLANDS
	29	16	21	36.0&		49.563	N	123.932	W	73			46	VANCOUVER ISLAND REGION. <PGC-P>. CL 3.1 (SEA).
	29	17	30	11.7?		6.67	N	82.81	W	10	G	0.3	9	SOUTH OF PANAMA. MD 4.3 (HDC).
	29	19	11	04.3•		39.178	N	30.059	E	10	G	0.6	5	TURKEY

	29	19 22 00 7%	31.127 S	117.600 E	10 G		0.6	6	WESTERN AUSTRALIA
	29	19 58 34 7?	51.05 N	9.25 E	10 G		1.4	5	GERMANY ML 2.3 (GRF).
	29	20 18 24.0	42.253 N	19.913 E	10 G		0.9	11	YUGOSLAVIA. ML 3.0 (TTG).
	29	20 45 29 9	36.637 N	140.391 E	33 N		0.9	7	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Onahama. Also felt at Mito, Utsunomiya and Fukushima.
	29	20 52 14 2	33.736 N	25.446 E	10 G	3.6	0.6	19	EASTERN MEDITERRANEAN SEA. ML 3.9 (ATH).
	29	21 18 49.4	9.428 N	84.619 W	10 G		0.3	13	COSTA RICA. MD 3.8 (SJR), 3.5 (HDC). Felt (III) at Jaco.
	30	00 32 38.8	35.858 N	30.915 E	33 N		0.9	9	EASTERN MEDITERRANEAN SEA. MG 3.9 (HLW).
	30	02 36 42.7%	39.091 N	28.741 E	10 G		1.5	6	TURKEY
	30	03 05 44.3?	18.00 N	65.39 W	10 G		0.4	5	PUERTO RICO REGION
	30	03 08 44.7&	37.127 N	121.865 W	12			13	CENTRAL CALIFORNIA. <BRK> ML 2 7 (BRK).
	30	04 42 22.8?	16.77 S	69.60 W	200 ?		0.9	5	PERU-BOLIVIA BORDER REGION
	30	05 44 37.4*	7.303 N	72.046 W	33 N	4.5	1.2	14	NORTHERN COLOMBIA
	30	05 57 51.3%	45.164 N	2.469 E	10 G		1.1	14	FRANCE ML 2.7 (LDG)
	30	06 04 31.9*	32 028 N	70.232 E	44 *	4 2	1.0	7	PAKISTAN
	30	09 11 41.6*	6 881 N	73.140 W	155	4.5	1.1	12	NORTHERN COLOMBIA
	30	09 25 52.7	23.470 N	143.865 E	33 N	4.9 3.9	1.0	41	VOLCANO ISLANDS REGION
	30	09 36 19.9&	36.573 N	121.167 W	2			18	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	30	10 46 16.2%	18.067 N	66.425 W	10 G		0.5	5	PUERTO RICO REGION
	30	10 56 18.3%	40.658 N	28.979 E	10 G		0.9	6	TURKEY
	30	12 10 08.2	42.549 N	24.135 E	10 G		1.1	6	BULGARIA
	30	12 31 40.3	33.433 N	89.490 E	36 *	4.6	1.5	24	TIBET
	30	12 53 40.6?	33.31 S	72.12 W	33 N		0.2	7	OFF COAST OF CENTRAL CHILE
	30	14 24 35.2	39.839 N	23.774 E	10	3.4	1.3	16	AEGEAN SEA. ML 3.2 (ATH).
	30	14 46 50.3*	42 009 N	24.809 E	10 G		1.3	5	BULGARIA
a	30	14 58 57.2	23.766 S	67.457 W	125	5.2	1.1	141	CHILE-ARGENTINA BORDER REGION
	30	15 15 52.0?	44.01 N	7.76 E	10 G		0.3	11	NORTHERN ITALY. ML 2.7 (LDG)
a	30	15 21 08.2	23.824 S	67.060 W	144	5.1	1.1	93	CHILE-ARGENTINA BORDER REGION
o	30	15 25 15.5	50.232 N	91.144 E	33 N	5.0	1.1	150	USSR-MONGOLIA BORDER REGION
	30	15 48 53.9	61.427 N	150.546 W	10 G		1.2	7	SOUTHERN ALASKA. ML 3.0 (PMR).
	30	19 33 28 6?	37.79 N	21.01 E	33 N		1.2	5	SOUTHERN GREECE. ML 3.2 (ATH).
	30	20 28 17.5*	22.602 N	121.544 E	10 G	3.6	1.1	7	TAIWAN REGION
	30	20 28 57.1?	9.40 S	150.21 E	33 N	4 2 3.7	1.4	6	EAST PAPUA NEW GUINEA REGION
	30	21 21 22.8%	18.048 N	66.432 W	10 G		0.5	6	PUERTO RICO REGION
	30	22 44 45.4*	59 831 N	151.860 W	33 N		0.6	5	KENAI PENINSULA, ALASKA. ML 3.3 (PMR).

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

02 11 58 55 15 36 750S 179.154E 88km
5.6mb (10 obs.)
OFF E. COAST OF N ISLAND, N Z
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P B.: 11S, 24C
Centroid Location
Origin Time 11.58 54 1 0 8
Lat 36.35S 0 09 Lon 179 08E 0.13
Dep 52 7 7 9 Half-duration 1.6
Principal Axes
Scale 10**16 Nm
T Val= 9.56 Plg=40 Azm=276
N -1 02 39 144
P -8 54 26 31
Best Double Couple Mo=9.1*10**16
NP1:Strike= 71 Dip=40 Slip= 13
NP2: 331 82 129

03 18 26 06 73 36 261N 70 699E 130km
5 1mb (77 obs)
HINDU KUSH REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P B.. 13S, 28C
Centroid Location
Origin Time 18 26 10 1 0 7
Lat 35 82N 0 08 Lon 70 28E 0.08
Dep 128 0 2 6 Half-duration 1 8
Principal Axes.
Scale 10**17 Nm
T Val= 1 23 Plg=46 Azm= 65
N 0 01 43 263
P -1 24 9 165
Best Double Couple Mo=1 2*10**17
NP1 Strike=216 Dip=51 Slip= 30
NP2: 106 67 137

03 23 27 35 26 45 003S 167.599E 83km
6 0mb (28 obs)
SOUTH ISLAND, NEW ZEALAND
FAULT PLANE SOLUTION P-Waves
NP1 Strike=285 Dip=86 Slip= 90
NP2: 105 4 90
Principal Axes
T Plg=49 Azm=195
P 41 15
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 1.3±0.6*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 48 No. of sta: 10
Principal Axes:
Scale 10**19 Nm
T Val= 1.12 Plg=35 Azm=242
N 0.00 38 118
P -1.12 33 358
Best Double Couple:Mo=1.1*10**19
NP1:Strike= 31 Dip=39 Slip= 2
NP2: 299 89 129
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P B 19S, 55C M.W.: 12S, 30C
Centroid Location
Origin Time 23:27.41 2 0.1
Lat 44 82S 0 01 Lon 167.05E 0 02
Dep 62 0 BDY Half-duration 8.4
Principal Axes:
Scale 10**19 Nm
T Val= 1 33 Plg=42 Azm=216
N -0.21 23 104
P -1 11 39 353
Best Double Couple Mo=1.2*10**19
NP1 Strike= 17 Dip=23 Slip= 3
NP2: 284 89 113

05 01 41 33 06 21.525S 178.221W 439km
5 0mb (19 obs)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 11S, 20C
Centroid Location:
Origin Time 01:41:36 2 1.7
Lat 21.78S 0 15 Lon 178 54W 0 15
Dep 445.5 6 1 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.39 Plg=33 Azm=131
N -0.14 5 224
P -6.26 57 321
Best Double Couple:Mo=6.3*10**16
NP1 Strike=203 Dip=13 Slip=-111
NP2: 45 78 -85

05 18 22 48.36 15 397S 167 578E 110km
6 0mb (35 obs)
VANUATU ISLANDS
FAULT PLANE SOLUTION. P-Waves
NP1.Strike=185 Dip=63 Slip= 90
NP2: 5 27 90
Principal Axes
T Plg=72 Azm= 95
P 18 275
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 4 3±1 4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 122 No. of sta: 16
Principal Axes
Scale 10**18 Nm
T Val= 4 98 Plg=65 Azm=131
N 0 63 19 354
P -5 61 16 258
Best Double Couple Mo=5.3*10**18
NP1 Strike=323 Dip=34 Slip= 54
NP2: 184 63 112
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 16S, 42C M.W.: 13S, 31C
Centroid Location.
Origin Time 18:22:54.9 0 1
Lat 15.53S 0.01 Lon 167.25E 0.01
Dep 117 3 0.6 Half-duration 6 9
Principal Axes
Scale 10**18 Nm
T Val= 6.74 Plg=70 Azm=115
N 0.16 9 1
P -6.90 18 268
Best Double Couple:Mo=6.8*10**18
NP1 Strike=344 Dip=28 Slip= 71
NP2: 185 64 100

06 15 01 28.52 58 765N 138.032W 10km
5.0mb (35 obs) 4 6Msz (3 obs.)
SOUTHEASTERN ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 14C
Centroid Location:
Origin Time 15:01:33.2 1.7
Lat 59.76N 0.22 Lon 138.10W 0.35
Dep 15 0 FIX Half-duration 1.6
Principal Axes
Scale 10**16 Nm
T Val= 9.37 Plg=53 Azm= 9
N -0.27 12 115
P -9.10 34 213
Best Double Couple:Mo=9.2*10**16

NP1:Strike=344 Dip=15 Slip= 141
NP2: 113 81 78

09 00 09 49.57 28.386N 56.868E 27km
4.9mb (36 obs.) 4.4Msz (3 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P B.: 9S, 17C
Centroid Location:
Origin Time 00:09:49.4 1.5
Lat 27 67N 0.19 Lan 56 10E 0.16
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 9.16 Plg=52 Azm=341
N -2.20 8 82
P -6.96 37 178
Best Double Couple:Mo=8.1*10**16
NP1:Strike=310 Dip=11 Slip= 139
NP2: 81 83 82

10 03 10 22.19 12.724S 166.744E 113km
5.7mb (34 obs.)
SANTA CRUZ ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 44 Dip=86 Slip= -13
NP2: 135 77 -176
Principal Axes:
T Plg= 6 Azm= 90
P 12 359
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with o small narmal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 87 No of sta 10
Principal Axes
Scale 10**17 Nm
T Val= 6.09 Plg= 0 Azm= 94
N -0 01 66 184
P -6 08 24 4
Best Double Couple:Mo=6 1*10**17
NP1:Strike=142 Dip=73 Slip=-163
NP2: 47 74 -17
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P B . 14S, 34C
Centroid Locotion:
Origin Time 03 10 25 8 0.3
Lat 12.99S 0 03 Lon 166 54E 0.03
Dep 105 4 1.3 Half-durotion 3 1
Principal Axes
Scole 10**17 Nm
T Vol= 6 65 Plg= 9 Azm=263
N -0 53 47 164
P -6 12 42 1
Best Double Couple:Mo=6 4*10**17
NP1:Strike= 32 Dip=55 Slip= -27
NP2: 139 68 -142

10 11 31 53 09 6.890S 72.241E 22km
5 5mb (69 obs) 5 3Msz (20 obs)
CHAGOS ARCHIPELAGO REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P B 14S, 31C
Centroid Location:
Origin Time 11 31 56 7 0 8
Lat 7 12S 0 09 Lon 72 38E 0 07
Dep 15.0 FIX Half-duration 2 4
Principal Axes
Scole 10**17 Nm
T Val= 3 01 Plg=36 Azm= 4
N 0 16 4 271
P -3 17 54 176
Best Double Couple Mo=3 1*10**17
NP1:Strike=112 Dip=10 Slip= -69
NP2: 271 81 -94

11 02 50 02 17 5 942S 151.139E 37km
5 3mb (21 obs) 4 7Msz (6 obs)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used GDSN
L P B . 14S, 30C
Centroid Location
Origin Time 02 50 7.5 0 6
Lat 5 83S 0 09 Lon 151.51E 0.11
Dep 16.0 5 1 Half-duration 1.9
Principol Axes.
Scale 10**17 Nm
T Val= 1.76 Plg=54 Azm=301
N 0.06 6 40
P -1.82 35 134
Best Double Couple:Ma=1.8*10**17
NP1:Strike=253 Dip=12 Slip= 124
NP2: 39 80 83

11 12 17 27.04 14.994S 173 469W 36km
5.9mb (29 obs.) 6.1Msz (19 obs.)
SAMOA ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=290 Dip=86 Slip= 172
NP2: 21 82 4
Principol Axes:
T Plg= 8 Azm=245
P 3 335
Comment: The focal mechanism is paarly 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. M
Energy 6 9±3.0*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 38 No. of sta: 15
Principol Axes:
Scale 10**18 Nm
T Val= 3.72 Plg=28 Azm=251
N 0.01 56 111
P -3.73 19 351
Best Double Couple:Mo=3 7*10**18
NP1:Strike= 33 Dip=56 Slip= 7
NP2: 299 84 146
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 17S, 43C
Centroid Location:
Origin Time 12:17:33.6 0 3
Lat 15.06S 0 03 Lon 173.40W 0.03
Dep 58 9 3 7 Half-durotion 4 3
Principol Axes.
Scale 10**18 Nm
T Val= 1.72 Plg=39 Azm=172
N -0.24 16 275
P -1.48 47 23
Best Double Couple.Mo=1 6*10**18
NP1:Strike=202 Dip=16 Slip=-164
NP2: 97 86 -74

11 19 31 07.54 18.599S 176 328W 309km
5 1mb (16 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P B.: 11S, 15C
Centroid Location
Origin Time 19:31: 1.2 1.4
Lat 18 39S 0.12 Lon 175.62W 0.12
Dep 255 7 6.2 Half-durotion 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5 48 Plg=29 Azm=146
N 0.66 31 36
P -6.14 45 270
Best Double Couple:Ma=5.8*10**16
NP1:Strike=287 Dip=32 Slip= -17
NP2: 31 81 -121

12 13 39 37.46 10.747S 165 171E 14km
5 7mb (29 obs) 6.4Msz (24 obs.)
SANTA CRUZ ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1 Strike=162 Dip=66 Slip= 90
NP2 342 24 90
Principal Axes:
T Plg=69 Azm= 72
P 21 252
Comment The focal mechonism is poorly controlled and corresponds to reverse faulting The preferred foult plone is NP2.
RADIATED ENERGY
No of sto 8 Focal mech F
Energy 1 0±0 3*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Doto Used GDSN
L P.B. 17S, 46C M W : 10S, 27C
Centroid Location
Origin Time 13 39 46.4 0 2
Lat 10.98S 0 02 Lan 165.11E 0.02
Dep 15.0 FIX Half-duratian 6.8
Principal Axes:
Scale 10**18 Nm
T Val= 5.88 Plg=52 Azm=128
N 2.04 24 3
P -7.92 27 259
Best Double Couple:Mo=6.9*10**18
NP1.Strike=305 Dip=28 Slip= 30
NP2: 189 76 115

12 18 07 13.61 10.877S 165.382E 29km
5.4mb (15 obs.) 5.4Msz (14 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L P.B.: 15S, 34C
Centroid Locatian:
Origin Time 18:07:16.1 0.3
Lat 11.05S 0.04 Lan 165.23E 0.04
Dep 18.0 BDY Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.75 Plg=62 Azm= 69
N -0.02 2 336
P -4.72 27 245
Best Double Couple:Mo=4.7*10**17
NP1:Strike=330 Dip=18 Slip= 84
NP2: 156 72 92

13 01 45 36.80 37 385N 121.772W 7km
4 9mb (22 obs.) 5 0Msz (4 obs.)
CENTRAL CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L P.B.: 8S, 14C
Centroid Locatian.
Origin Time 01:45:40.2 2 2
Lat 37 38N FIX;Lon 121.74W FIX
Dep 15.0 FIX Half-duration 1.5
Principol Axes:
Scole 10**16 Nm
T Vol= 3.96 Plg= 6 Azm=280
N 0.34 75 33
P -4 30 13 189
Best Double Couple.Mo=4.1*10**16
NP1:Strike=325 Dip=76 Slip=-175
NP2. 234 85 -14

14 02 42 59.13 10.807S 165.187E 42km
5.0mb (13 obs.) 4.6Msz (4 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 10S, 19C
Centroid Location:
Origin Time 02:43 4.1 1.0
Lat 10.77S FIX;Lon 165.19E FIX
Dep 15 0 FIX Half-durotion 1.6
Principol Axes:
Scole 10**16 Nm
T Val= 10 55 Plg=55 Azm=128
N 0 83 17 12
P -11 38 29 272
Best Double Couple:Mo=1 1*10**17
NP1 Strike=322 Dip=22 Slip= 38
NP2 196 76 108

15 19 15 09 91 3.440S 102 118E 108km
5 3mb (15 obs)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L P B.: 12S, 24C
Centroid Locotion
Origin Time 19:15:12.8 1 4
Lat 3 90S 0 10 Lon 102 21E 0 11
Dep 89 6 4.8 Half-duration 1.5
Principal Axes
Scale 10**16 Nm
T Vol= 5 00 Plg=16 Azm= 80
N 2.90 73 281
P -7 90 6 172
Best Double Couple Mo=6.4*10**16
NP1 Strike=217 Dip=75 Slip= 7
NP2 125 83 165

17 12 52 03 80 10.690S 165 221E 48km
5 6mb (15 obs) 5 5Msz (15 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used. GDSN
L P B.: 11S, 30C

Centroid Location.
Origin Time 12:52: 6.7 0 4
Lat 10.68S FIX;Lon 165.18E FIX
Dep 17 0 BDY Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 5.37 Plg=41 Azm=182
N 2.02 46 24
P -7.38 11 282
Best Double Couple.Mo=6.4*10**17
NP1:Strike=331 Dip=53 Slip= 24
NP2: 226 71 140

17 13 30 43.90 42.971N 77.508E 24km
5.3mb (80 abs.) 5.3Msz (9 abs)
ALMA-ATA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 13:30:47.1 0.9
Lat 43.01N 0.15 Lon 77.51E 0.14
Dep 15.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 3.86 Plg=49 Azm=196
N -0.29 11 93
P -3.57 39 354
Best Double Couple:Mo=3.7*10**17
NP1 Strike= 29 Dip=12 Slip= 25
NP2 274 85 101

17 17 01 24.89 10.659S 165.230E 33km
4 7mb (7 abs.) 4.7Msz (3 abs)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B . 14S, 31C
Centroid Location:
Origin Time 17.01:26.1 0 8
Lat 11 02S 0.08 Lon 165 01E 0.12
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.08 Plg=14 Azm=191
N 1.04 71 324
P -10.12 14 98
Best Double Couple Mo=9.6*10**16
NP1:Strike=234 Dip=71 Slip= 180
NP2: 324 90 19

18 16 15 48.97 50 966N 177.640W 33km
5.1mb (51 abs.) 4.8Msz (2 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS
CENTROID, MOMENT TENSOR (HRV)
Data Used. GDSN
L.P B.: 10S, 18C
Centroid Location.
Origin Time 16 15 53 0 3 0
Lat 51.02N FIX;Lon 177 60W FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 6.25 Plg=54 Azm=348
N 0.00 1 257
P -6.26 36 166
Best Double Couple Mo=6 3*10**16
NP1 Strike=251 Dip= 9 Slip= 85
NP2 77 81 91

18 18 42 03 38 13 603N 91.113W 59km
5 3mb (46 abs.) 5.7Msz (20 obs)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P B 13S, 35C
Centroid Location.
Origin Time 18:42:22 1 1.1
Lat 14 29N 0 11 Lon 91.81W 0.08
Dep 15 0 FIX Half-duration 2 7
Principal Axes.
Scale 10**17 Nm
T Val= 4 26 Plg=58 Azm= 47
N 0.55 10 301
P -4 81 30 205
Best Double Couple Mo=4 5*10**17
NP1 Strike=268 Dip=18 Slip= 56
NP2 123 76 100

18 22 49 42 37 26.856N 110.996W 10km
5 9mb (73 obs.) 7.0Msz (26 obs)
GULF OF CALIFORNIA
FAULT PLANE SOLUTION. P-Waves
NP1:Strike= 30 Dip=90 Slip= 0
NP2: 300 90 180
Principal Axes:
T Plg= 0 Azm= 75
P 0 165
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 7.0±2.5*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 8.16 Plg= 2 Azm= 87
N 0.42 84 194
P -8.59 5 357
Best Double Couple:Mo=8.4*10**18
NP1:Strike=132 Dip=85 Slip=-177
NP2: 42 87 -5
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 46C M.W.: 13S, 35C
Centroid Location:
Origin Time 22:49:48.4 0.2
Lat 26 75N 0.01 Lon 111.02W 0.02
Dep 15 0 FIX Half-duration 8.2
Principal Axes
Scale 10**19 Nm
T Val= 0 98 Plg= 2 Azm=263
N 0 18 75 168
P -1 15 15 354
Best Double Couple Mo=1.1*10**19
NP1:Strike= 38 Dip=78 Slip= -10
NP2: 130 81 -168

19 04 38 12 90 10 610S 165.009E 66km
5 2mb (3 obs)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B. 11S, 21C
Centroid Location.
Origin Time 04:38:15 0 3.3
Lat 10 67S 0 18 Lon 165.12E 0.34
Dep 15.0 FIX Half-duration 1.6
Principal Axes
Scale 10**16 Nm
T Val= 5 08 Plg=22 Azm=169
N 3.37 56 43
P -8 45 25 270
Best Double Couple Mo=6.8*10**16
NP1.Strike=309 Dip=56 Slip= -2
NP2. 40 88 -146

19 05 57 07.50 4 019S 131.403E 33km
5 1mb (13 obs.) 4 7Msz (2 abs)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 12S, 21C
Centroid Location:
Origin Time 05.57:12.4 0.9
Lat 3.94S 0 09 Lon 131.60E 0 11
Dep 33.0 FIX Half-duration 2.0
Principal Axes
Scale 10**16 Nm
T Val= 7.81 Plg=75 Azm=279
N 1.81 8 158
P -9.62 13 66
Best Double Couple Mo=8.7*10**16
NP1:Strike=145 Dip=33 Slip= 75
NP2 343 58 100

19 13 05 04.77 18.303S 177.814W 408km
5.2mb (17 abs)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B 14S, 32C
Centroid Location:
Origin Time 13 05:15 4 1 0
Lat 17 95S 0.07 Lon 178 06W 0 08
Dep 438 6 2 7 Half-duration 2.1
Principal Axes
Scale 10**17 Nm
T Val= 1 89 Plg=52 Azm=235
N 0 18 37 75
P -2 07 10 337
Best Double Couple Mo=2.0*10**17
NP1:Strike= 32 Dip=47 Slip= 36
NP2: 276 64 131

19 20 19 52 69 12.376N 121.067E 17km
5.6mb (46 abs.) 6.4Msz (18 abs.)
MINDORO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=117 Dip=90 Slip= 5
NP2: 27 85 180
Principal Axes:
T Plg= 4 Azm=342
P 4 252
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 16 No. of sta: 13
Principal Axes:
Scale 10**19 Nm
T Val= 0.98 Plg= 0 Azm=350
N 0.10 89 83
P -1.08 1 260
Best Double Couple:Mo=1.0*10**19
NP1:Strike= 35 Dip=89 Slip=-180
NP2: 305 90 -1
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C M.W.: 10S, 24C
Centroid Location:
Origin Time 20:19:53.8 0.2
Lat 12.28N 0 02 Lon 121.34E 0.03
Dep 16.6 1.4 Half-duration 5.0
Principal Axes.
Scale 10**18 Nm
T Val= 2.91 Plg= 8 Azm=346
N -0.66 64 93
P -2 25 25 252
Best Double Couple Mo=2 6*10**18
NP1:Strike= 32 Dip=67 Slip=-168
NP2: 297 79 -24

20 13 35 44.76 12.288N 121.094E 33km
5.2mb (21 abs.) 5.3Msz (9 abs.)
MINDORO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B 10S, 27C
Centroid Location:
Origin Time 13:35:42.5 0.4
Lat 12.44N 0.05 Lon 121 88E 0.06
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 3.03 Plg=21 Azm=170
N 0.15 49 55
P -3.19 33 275
Best Double Couple:Mo=3 1*10**17
NP1:Strike=308 Dip=50 Slip= -11
NP2: 45 82 -140

21 06 26 16.64 24.878N 45.867W 25km
5.9mb (60 abs) 5.7Msz (12 abs.)
NORTH ATLANTIC RIDGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=100 Dip=88 Slip= 22
NP2 9 68 178
Principal Axes.
T Plg=17 Azm=327
P 14 232
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined
MOMENT TENSOR SOLUTION
Dep 34 No. of sta: 11
Principal Axes.
Scale 10**17 Nm
T Val= 5 10 Plg=15 Azm=325
N 0.32 74 173
P -5.42 8 57
Best Double Couple.Mo=5 3*10**17
NP1:Strike=101 Dip=74 Slip= 5
NP2 10 85 164
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L P.B 13S, 34C
Centroid Location.

Origin Time 06 26.21.7 0.4
Lot 24.67N 0.09 Lon 45 92W 0.06
Dep 15 0 FIX Holf-durotion 2.7
Principol Axes:
Scole 10**17 Nm
T Vol= 4.14 Plg= 7 Azm=311
N 0.66 24 44
P -4.80 65 205
Best Double Couple:Mo=4.5*10**17
NP1:Strike= 16 Dip=43 Slip=-126
NP2: 241 57 -61

21 21 38 54.20 44.593N 148 864E 49km
5.7mb (99 obs) 4.9Msz (25 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 12S, 30C
Centroid Locotion:
Origin Time 21:38:54.8 0.7
Lot 44.23N 0.06 Lon 149.32E 0.07
Dep 48.5 3.5 Holf-durotion 2.0
Principol Axes:
Scole 10**17 Nm
T Vol= 1.44 Plg=53 Azm=207
N 0.48 33 356
P -1.92 15 96
Best Double Couple:Mo=1.7*10**17
NP1:Strike=223 Dip=42 Slip= 145
NP2. 341 67 54

23 04 11 11.65 2.231N 126 594E 69km
5.6mb (34 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 10S, 21C
Centroid Locotion:
Origin Time 04.11:10.5 0.4
Lot 2.23N FIX;Lon 126 65E FIX
Dep 60.1 5.4 Holf-durotion 2.0
Principol Axes:
Scole 10**17 Nm
T Vol= 1.82 Plg=82 Azm=186
N 0.90 5 54
P -2.72 6 324
Best Double Couple:Mo=2.3*10**17
NP1:Strike= 48 Dip=39 Slip= 82
NP2: 239 51 97

24 02 06 26.31 18.606N 121.013E 53km
5.4mb (55 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L P B. 9S, 22C
Centroid Locotion.
Origin Time 02:06:26.9 0.3
Lot 18 78N 0.04 Lon 121.04E 0.06
Dep 50.3 3 1 Holf-durotion 2 6
Principol Axes
Scole 10**17 Nm
T Vol= 3.31 Plg=76 Azm=120
N 0 72 2 20
P -4 03 14 290
Best Double Couple.Mo=3.7*10**17
NP1:Strike= 16 Dip=31 Slip= 85
NP2: 202 59 93

24 05 57 50.61 5 695S 145 342E 117km
5.4mb (21 obs)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L P B.: 11S, 20C
Centroid Locotion
Origin Time 05:57:58.1 0 8
Lot 5.60S 0.06 Lon 144.96E 0.10
Dep 104.4 4.2 Holf-durotion 1.7
Principol Axes:
Scole 10**16 Nm
T Vol= 11.98 Plg= 9 Azm=208
N -3.53 1 118
P -8.45 81 19
Best Double Couple:Mo=1.0*10**17
NP1:Strike=300 Dip=36 Slip= -88
NP2. 116 54 -92

24 08 57 53.33 10.209N 60 559W 39km
6.0mb (73 obs.) 5 6Msz (19 obs.)
TRINIDAD
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=253 Dip=70 Slip= -23
NP2. 351 68 -158
Principal Axes:
T Plg= 1 Azm=302
P 30 212
Comment: The focol mechonism is poorly controlled and corresponds to strike-slip foulting with o moderate normol component. The preferred foult plone is not determined.
RADIATED ENERGY
No of sto: 5 Focol mech. M
Energy 1.7±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 53 No. of sto: 7
Principal Axes:
Scole 10**17 Nm
T Vol= 8.85 Plg=14 Azm=306
N 0.41 45 51
P -9.26 41 204
Best Double Couple:Mo=9.1*10**17
NP1:Strike=354 Dip=50 Slip=-158
NP2. 249 73 -42
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L P B : 15S, 36C
Centroid Locotion:
Origin Time 08:57:52.7 0.3
Lot 9.80N 0.02 Lon 60.29W 0.03
Dep 53.0 BDY Holf-duration 3.5
Principal Axes:
Scole 10**17 Nm
T Vol= 8.05 Plg= 1 Azm=148
N -1 06 1 58
P -6.99 89 289
Best Double Couple Mo=7.5*10**17
NP1:Strike=238 Dip=44 Slip= -89
NP2: 57 46 -91

24 12 25 40.01 6.260S 148 862E 42km
5 5mb (19 obs.) 5 3Msz (9 obs)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 11S, 30C
Centroid Locotion:
Origin Time 12:25:44 7 0 5
Lot 6.55S 0.04 Lon 149.10E 0 05
Dep 26.8 2.8 Holf-durotion 2 6
Principol Axes.
Scole 10**17 Nm
T Vol= 3.21 Plg=65 Azm=344
N 0.07 6 87
P -3 28 24 179
Best Double Couple.Mo=3.2*10**17
NP1:Strike=281 Dip=22 Slip= 106
NP2. 84 69 84

24 12 56 48.06 34 414S 177.929E 520km
5 3mb (15 obs)
NORTH OF NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B : 10S, 17C
Centroid Locotion:
Origin Time 12:56:50.3 1.5
Lot 35.01S 0.16 Lon 177.27E 0.15
Dep 528.0 9.2 Holf-duration 1.6
Principol Axes:
Scole 10**16 Nm
T Vol= 7.93 Plg=23 Azm=126
N -1.23 64 279
P -6.70 11 32
Best Double Couple:Mo=7.3*10**16
NP1:Strike=167 Dip=66 Slip= 171
NP2: 261 82 24

25 06 24 23.76 33.346S 179 430W 53km
5.4mb (18 obs.) 5.1Msz (5 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 13S, 30C
Centroid Locotion
Origin Time 06:24:31 6 0 5
Lot 33.08S 0 04 Lon 179 57W 0.04
Dep 60.1 2.5 Holf-durotion 2.6
Principol Axes:
Scole 10**17 Nm
T Vol= 2 55 Plg=76 Azm=330
N 1 90 9 200
P -4 46 10 108

Best Double Couple:Mo=3.5*10**17
NP1:Strike=187 Dip=36 Slip= 75
NP2: 26 56 101

25 16 15 38.34 38.458N 43.038E 51km
5.3mb (75 obs.) 5.0Msz (7 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 12S, 24C
Centroid Locotion:
Origin Time 16:15:41.6 0.6
Lot 38.44N FIX;Lon 43 08E FIX
Dep 15.0 BDY Holf-durotion 2.1
Principol Axes.
Scole 10**17 Nm
T Vol= 1 98 Plg=47 Azm= 74
N -0 11 43 250
P -1.87 2 342
Best Double Couple.Mo=1.9*10**17
NP1:Strike=106 Dip=57 Slip= 144
NP2: 218 60 39

26 09 22 59.72 46.262N 144.102E 327km
5.2mb (81 obs.)
SEA OF OKHOTSK
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L P.B.. 9S, 15C
Centroid Locotion
Origin Time 09:23: 6.0 2.0
Lot 45 92N 0.16 Lon 144.25E 0.29
Dep 374.0 9 0 Holf-duration 1.4
Principol Axes.
Scole 10**16 Nm
T Vol= 6 62 Plg=39 Azm= 33
N -2 15 38 163
P -4 47 28 277
Best Double Couple:Mo=5.5*10**16
NP1:Strike= 59 Dip=38 Slip= 169
NP2 158 83 52

26 17 41 28.74 11.807N 87 059W 55km
5.0mb (14 obs) 4.2Msz (2 obs.)
NEAR COAST OF NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P B.: 11S, 20C
Centroid Locotion:
Origin Time 17:41:31.4 1.4
Lot 12.01N 0 20 Lon 86.51W 0.25
Dep 15 0 FIX Holf-durotion 1.5
Principol Axes:
Scole 10**16 Nm
T Vol= 9 23 Plg=46 Azm= 47
N -2 34 3 140
P -6.89 44 234
Best Double Couple Mo=8.1*10**16
NP1 Strike= 40 Dip= 4 Slip= 170
NP2 140 89 87

27 06 07 50.86 20.237S 169.373E 66km
5.8mb (49 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=250 Dip=85 Slip= 0
NP2 340 90 185
Principal Axes:
T Plg= 4 Azm=115
P 4 205
Comment: The focal mechonism is moderotely well controlled and corresponds to strike-slip foulting with o smoll normal component. The preferred foult plone is not determined.
RADIATED ENERGY
No. of sto: 7 Focol mech. C
Energy 6.4±2.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 90 No. of sto: 12
Principol Axes
Scole 10**18 Nm
T Vol= 1.04 Plg= 5 Azm=286
N 0 00 80 167
P -1 04 9 16
Best Double Couple.Mo=1 0*10**18
NP1 Strike= 61 Dip=80 Slip= -3
NP2: 151 87 -170
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L P.B.. 12S, 33C
Centroid Location:

Origin Time 06:07:59.3 0.4
Lat 20.32S 0.04 Lon 169.39E 0.03
Dep 83 7 2.3 Half-duration 4.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	13.36	43	320
N	-1.54	18	212
P	-11.82	41	105

Best Double Couple:Mo=1.3*10**18
NP1:Strike=126 Dip=18 Slip= 4
NP2: 32 89 108

27 16 15 46.13 21.861S 179.145W 539km
5.4mb (33 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centraid Location:
Origin Time 16:15:49.3 1.8
Lat 22.08S 0.16 Lon 179.58W 0.11
Dep 533.4 6.2 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.73	2	193
N	0.24	41	102
P	-7.97	49	285

Best Double Couple:Mo=7.9*10**16
NP1:Strike=317 Dip=57 Slip= -38
NP2: 70 59 -140

28 16 40 19.04 56.432S 147.147E 10km
5.7mb (17 obs.) 5.9Msz (20 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 43C
Centraid Location:
Origin Time 16:40:28.2 0.3
Lat 56.34S 0.04 Lon 147.29E 0.05
Dep 15 0 FIX Half-duration 3.7
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.31	16	34
N	-0.31	73	190
P	-1.01	7	303

Best Double Couple:Mo=1.2*10**18
NP1:Strike= 78 Dip=74 Slip= 174
NP2: 169 84 16

29 10 30 16.85 42.818S 16.036W 10km
5.2mb (19 obs.) 5.5Msz (7 obs.)
SOUTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 10:30:22.0 0.8
Lat 42.67S 0.09 Lon 16.27W 0.08
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.48	0	267
N	-0.09	0	177
P	-1.39	90	180

Best Double Couple:Mo=1.4*10**17
NP1:Strike=357 Dip=45 Slip= -90
NP2: 177 45 -90

29 14 57 51.92 23.338S 179.930W 540km
5.1mb (26 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 14:57:56.7 1.3
Lat 23.47S 0.12 Lon 179.96W 0.08
Dep 570 7 4.5 Half-duration 1.9
Principal Axes
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.01	36	219
N	4.58	41	89
P	-15.59	28	331

Best Double Couple:Mo=1.3*10**17
NP1:Strike= 9 Dip=42 Slip= 8
NP2: 273 85 132

30 14 58 57.21 23.766S 67.457W 125km
5 2mb (26 obs.)
CHILE-ARGENTINA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 14:59: 8.8 0.8
Lat 23.60S 0.10 Lon 67.32W 0.09
Dep 159.5 2.7 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.66	13	45
N	0.81	41	147
P	-10.47	46	302

Best Double Couple:Mo=1.0*10**17
NP1:Strike= 95 Dip=48 Slip=-152
NP2: 346 70 -45

30 15 21 08.20 23.824S 67.060W 144km
5.1mb (22 obs.)
CHILE-ARGENTINA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 15:21:19.3 0.9
Lat 23.82S 0.10 Lon 67.15W 0.13
Dep 192.1 4.4 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.52	34	77
N	-0.35	19	334
P	-1.18	50	220

Best Double Couple:Mo=1.4*10**17
NP1:Strike=219 Dip=21 Slip= -23
NP2: 331 82 -109

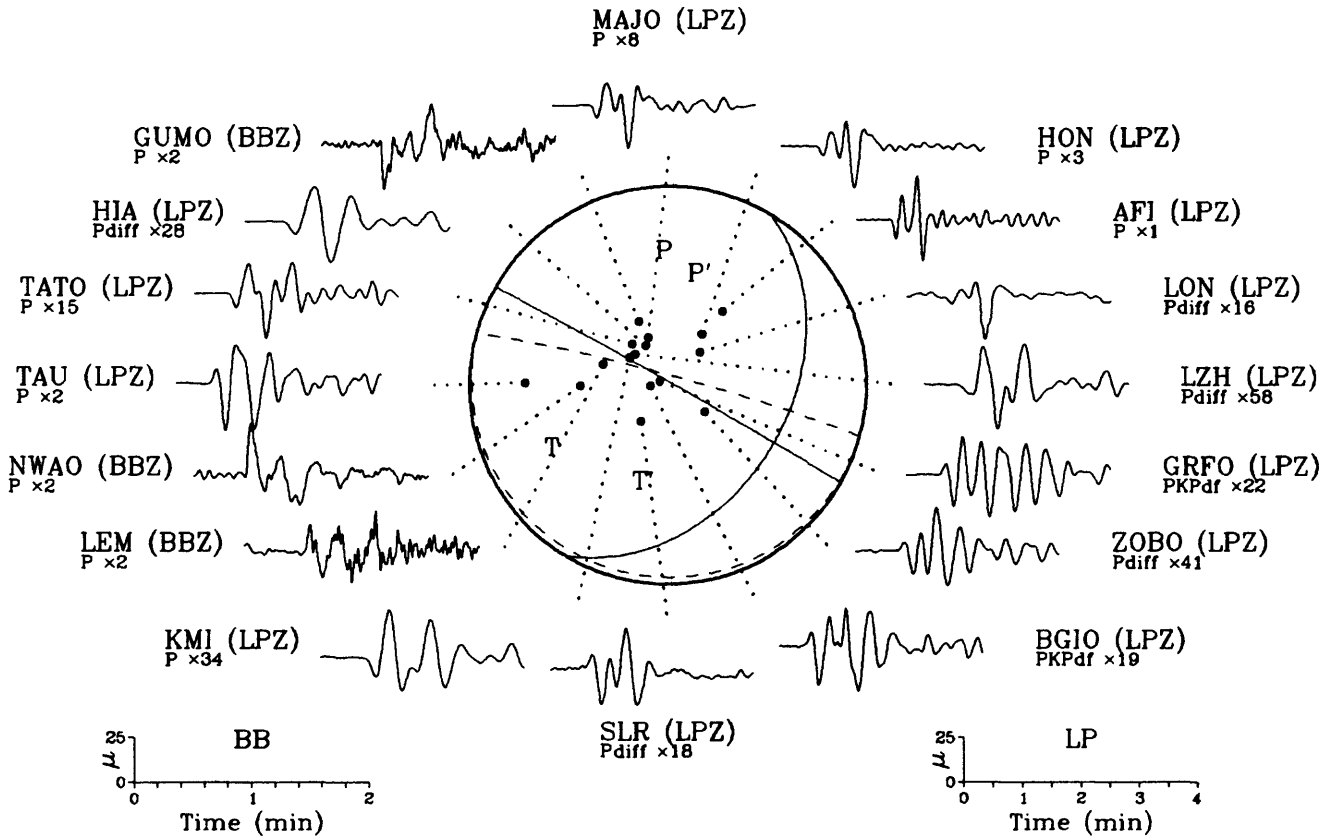
30 15 25 15.54 50.232N 91.144E 33km
5.0mb (54 obs.)
USSR-MONGOLIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 15C
Centroid Location:
Origin Time 15:25:13.9 1.3
Lat 50.27N FIX;Lon 91.13E FIX
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.86	2	35
N	-3.49	29	304
P	-8.37	61	129

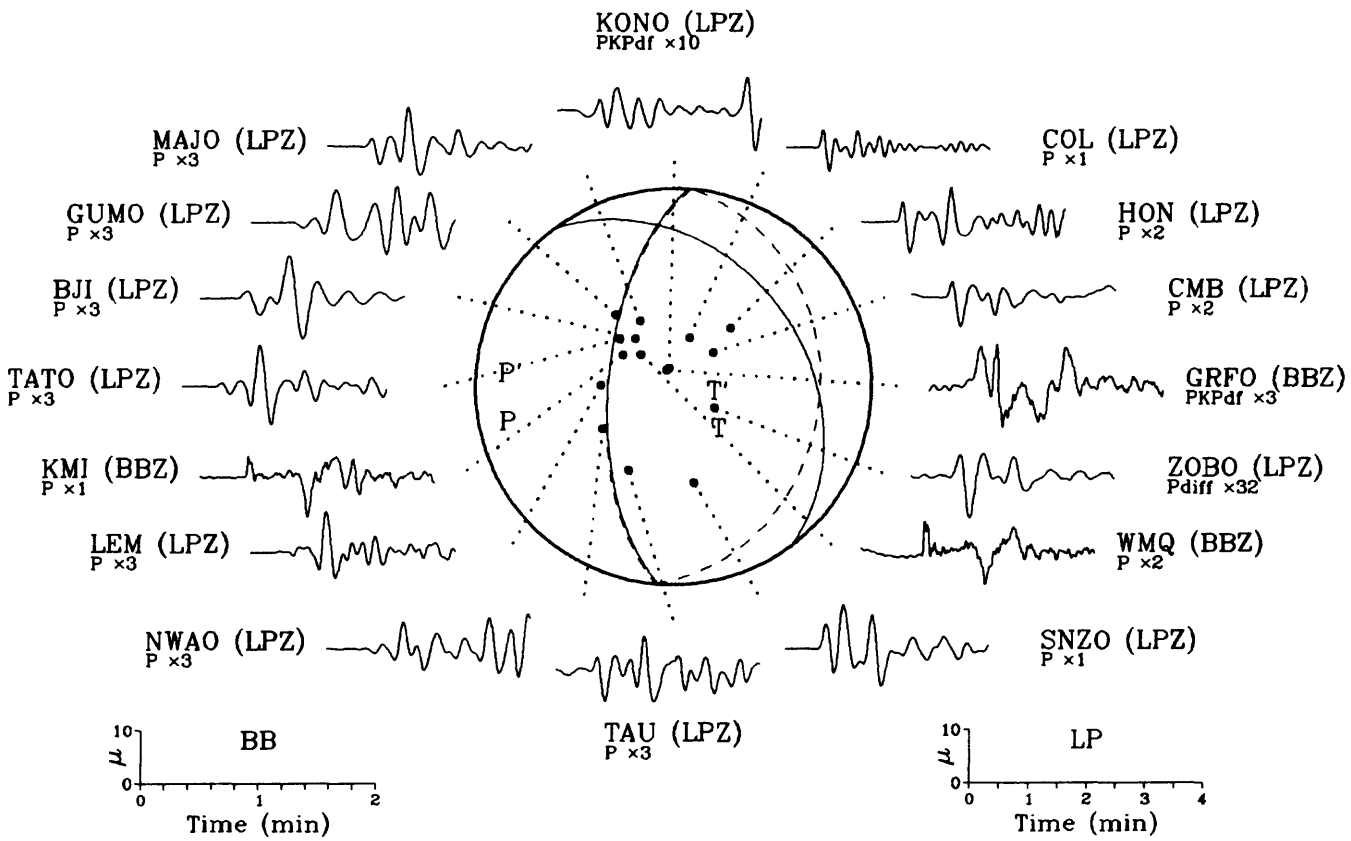
Best Double Couple:Mo=1.0*10**17
NP1:Strike=152 Dip=50 Slip= -50
NP2: 280 54 -127

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

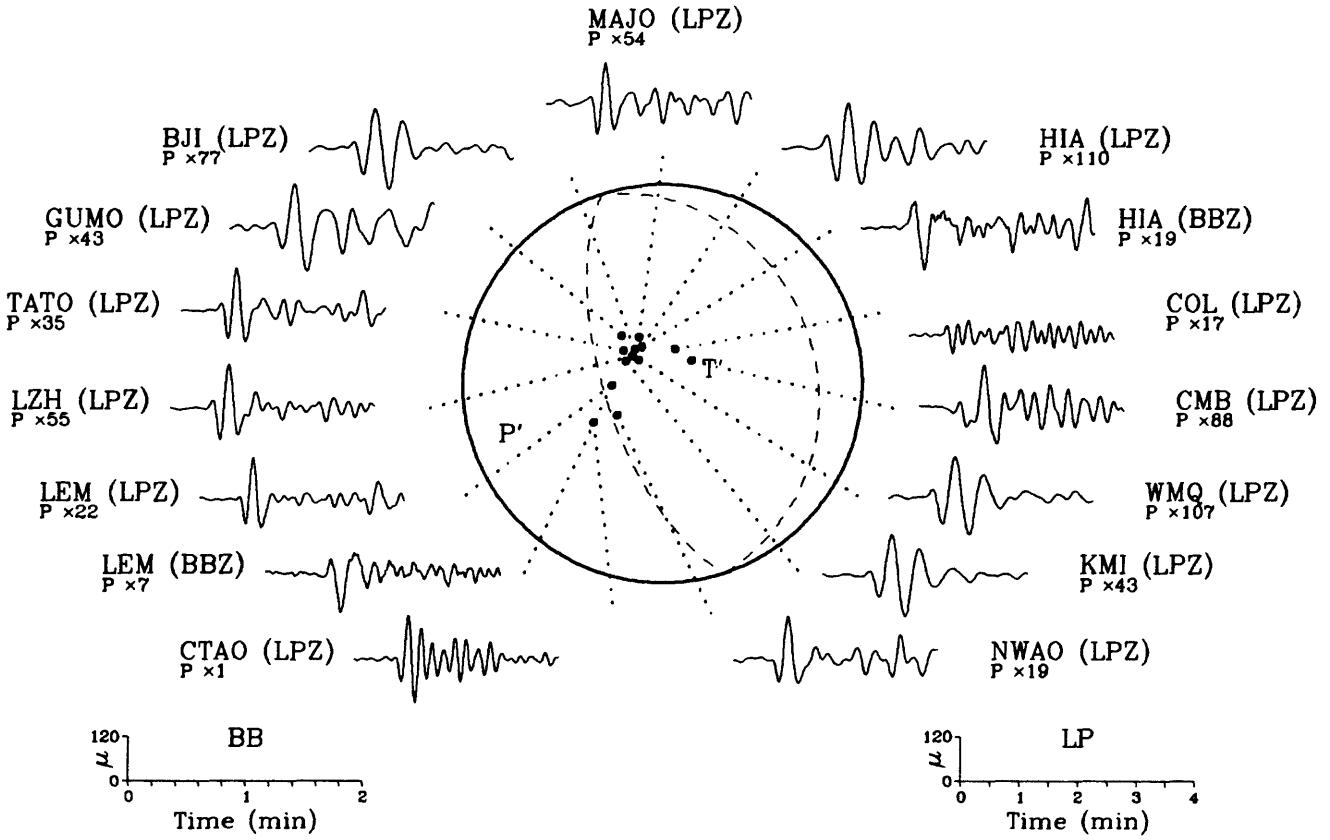
03 June 1988 23:27:35.26
South Island, New Zealand



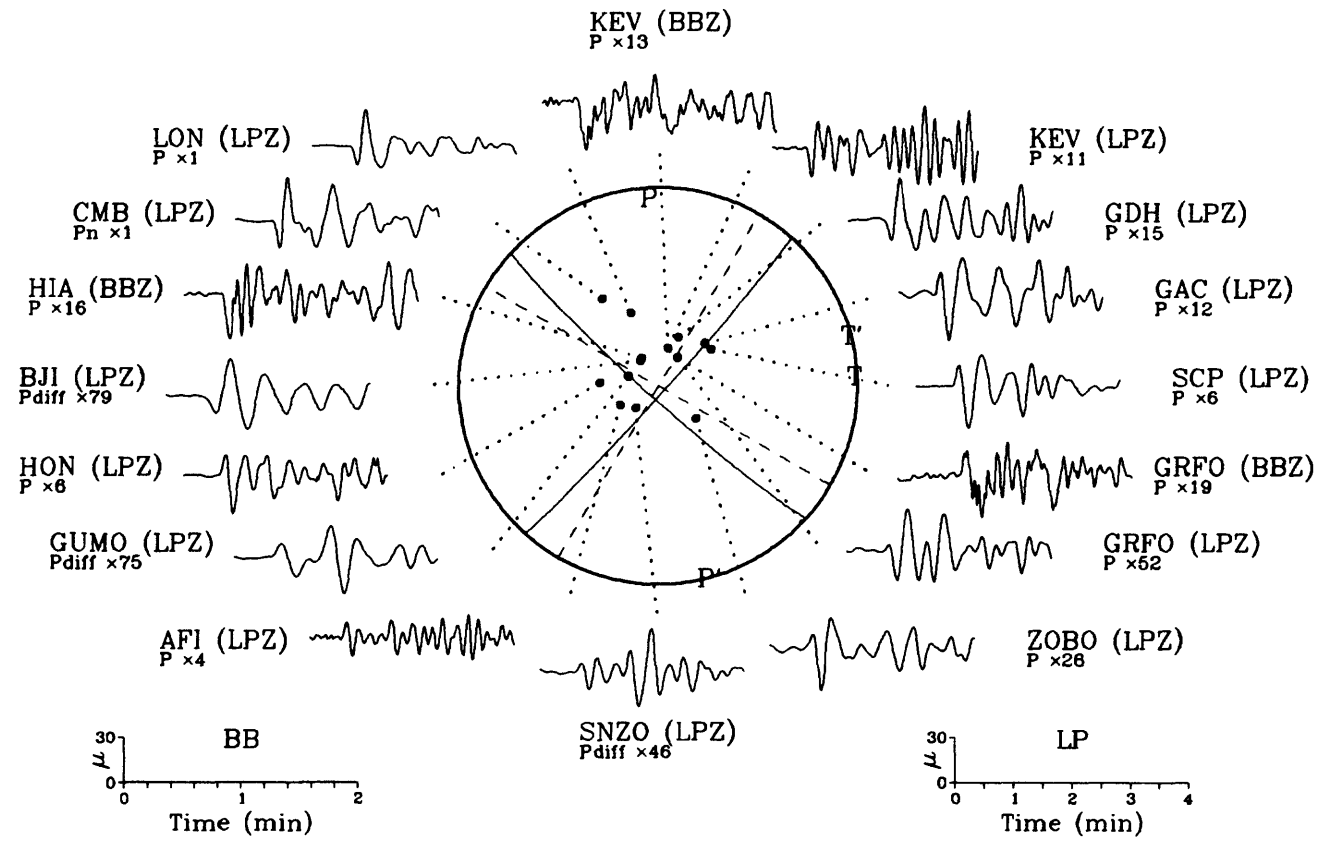
05 June 1988 18:22:48.36
Vanuatu Islands



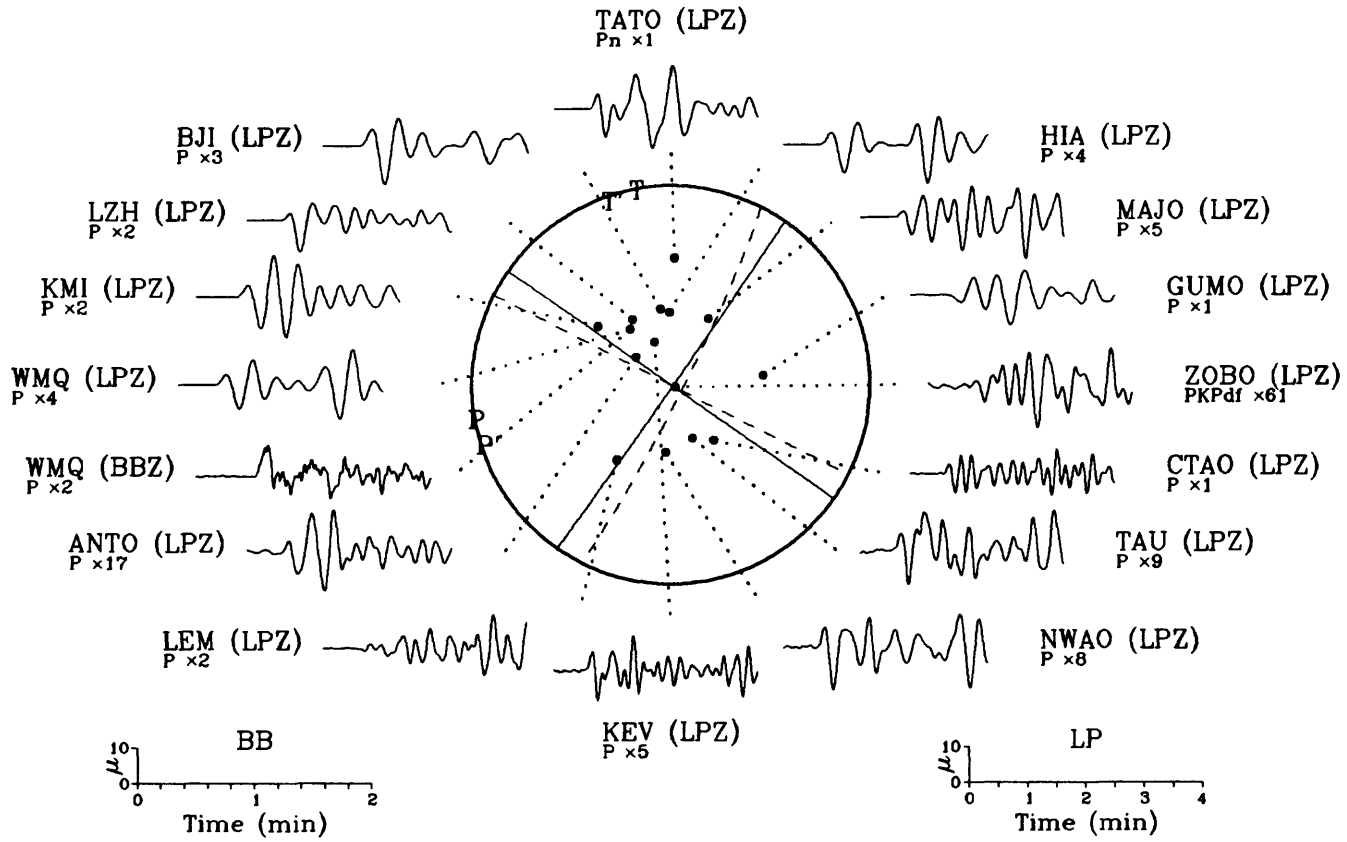
12 June 1988 13:39:37.46
Santa Cruz Islands



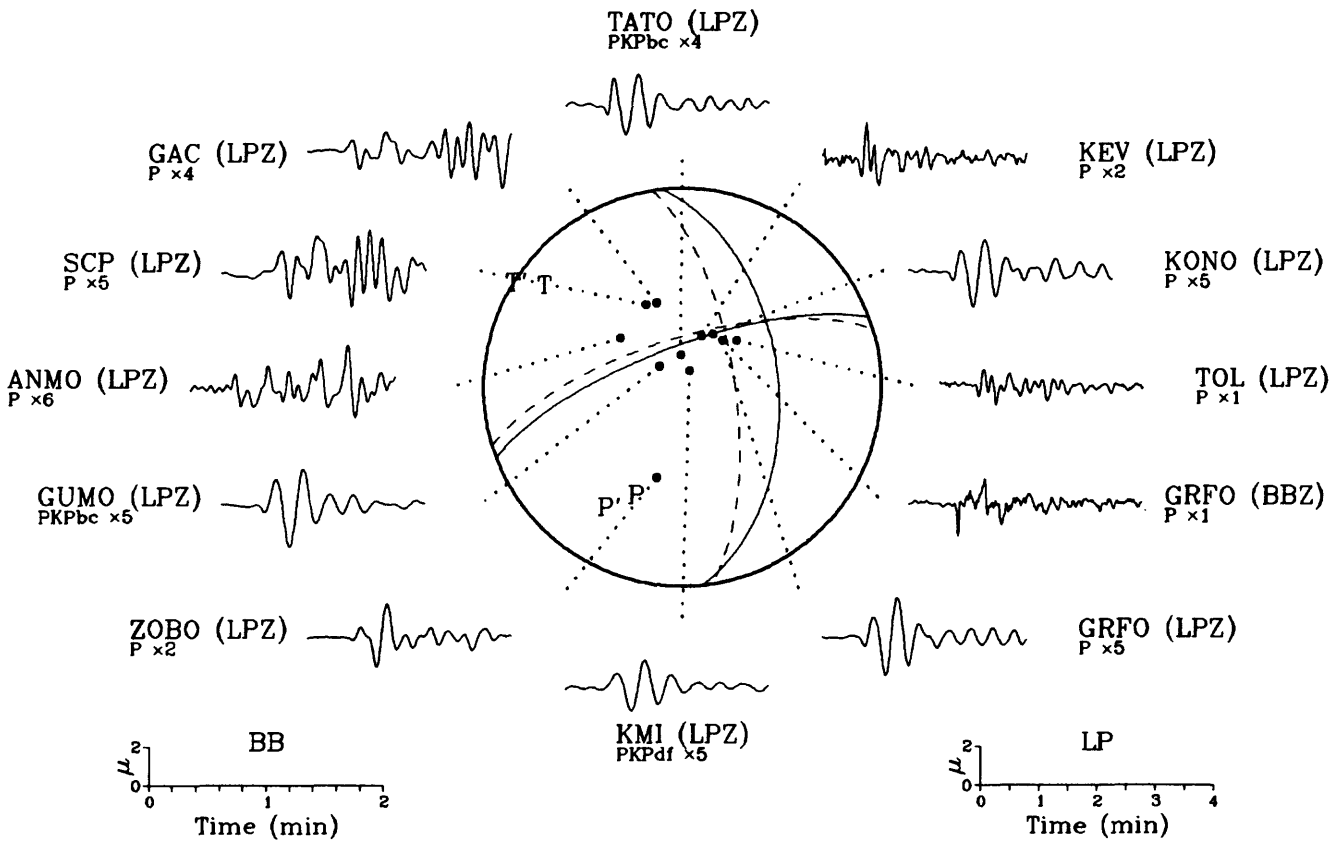
18 June 1988 22:49:42.37
Gulf of California



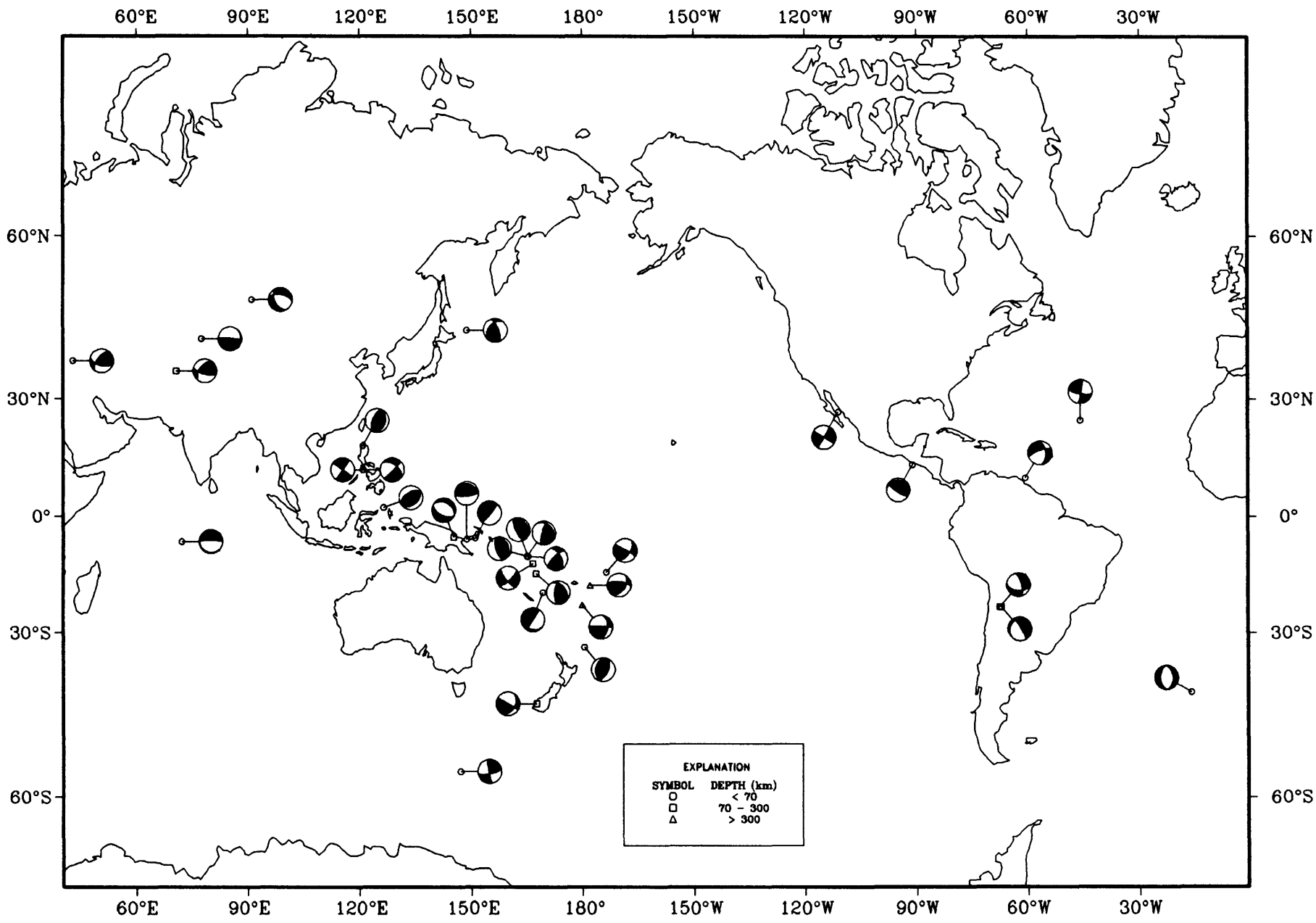
19 June 1988 20:19:52.69
Mindoro, Philippine Islands

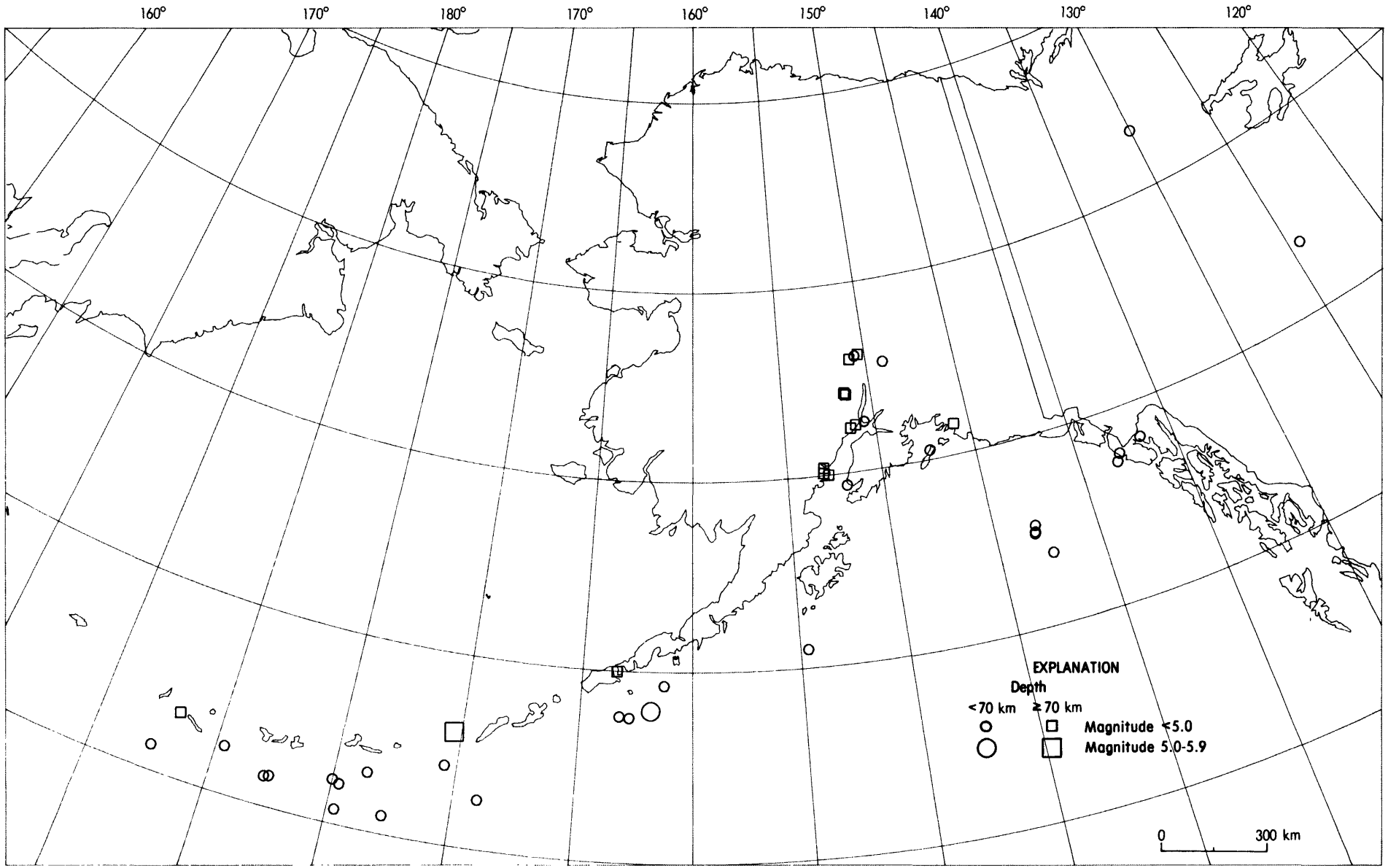


24 June 1988 08:57:53.33
Trinidad

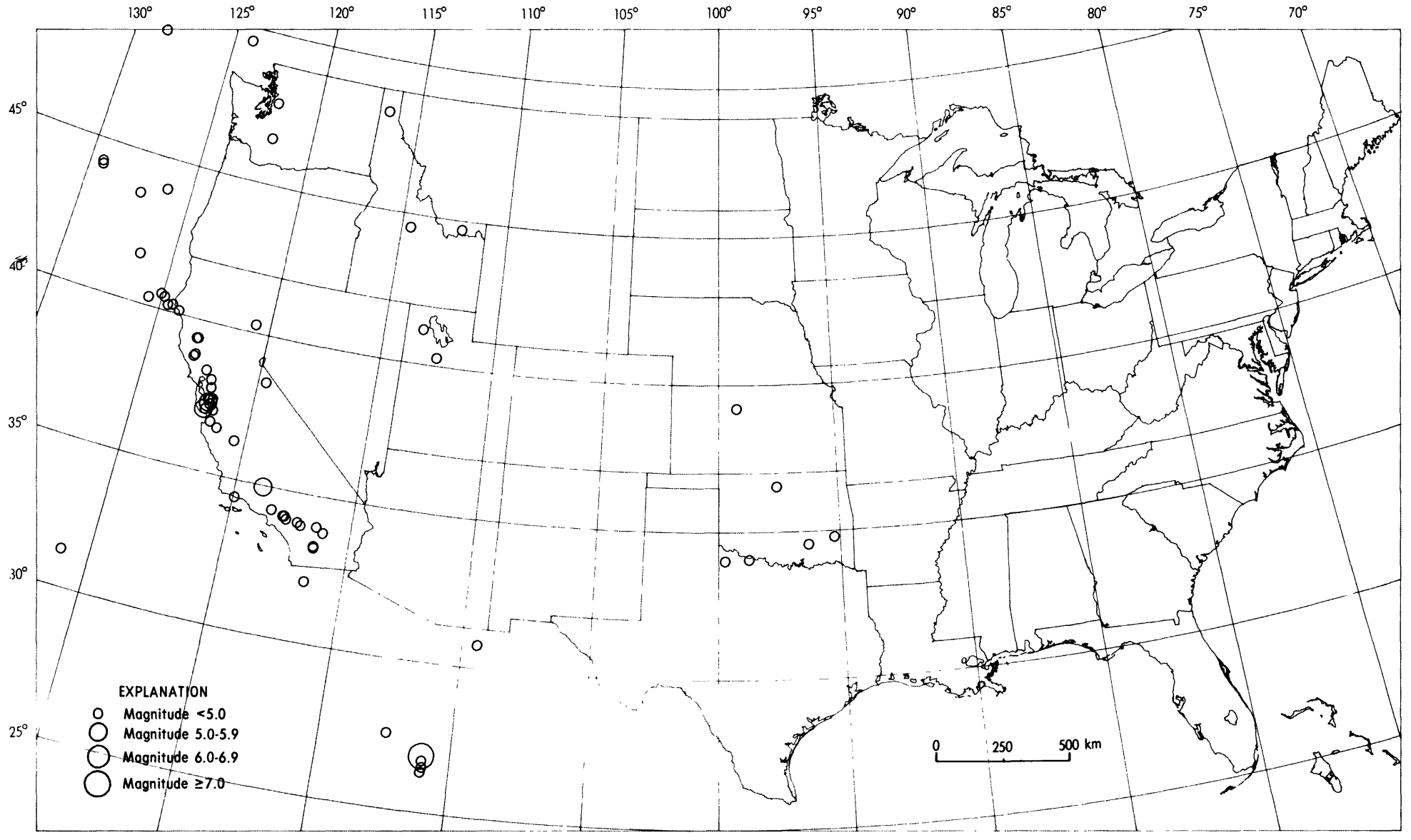


Earthquake Focal Mechanisms for June 1988

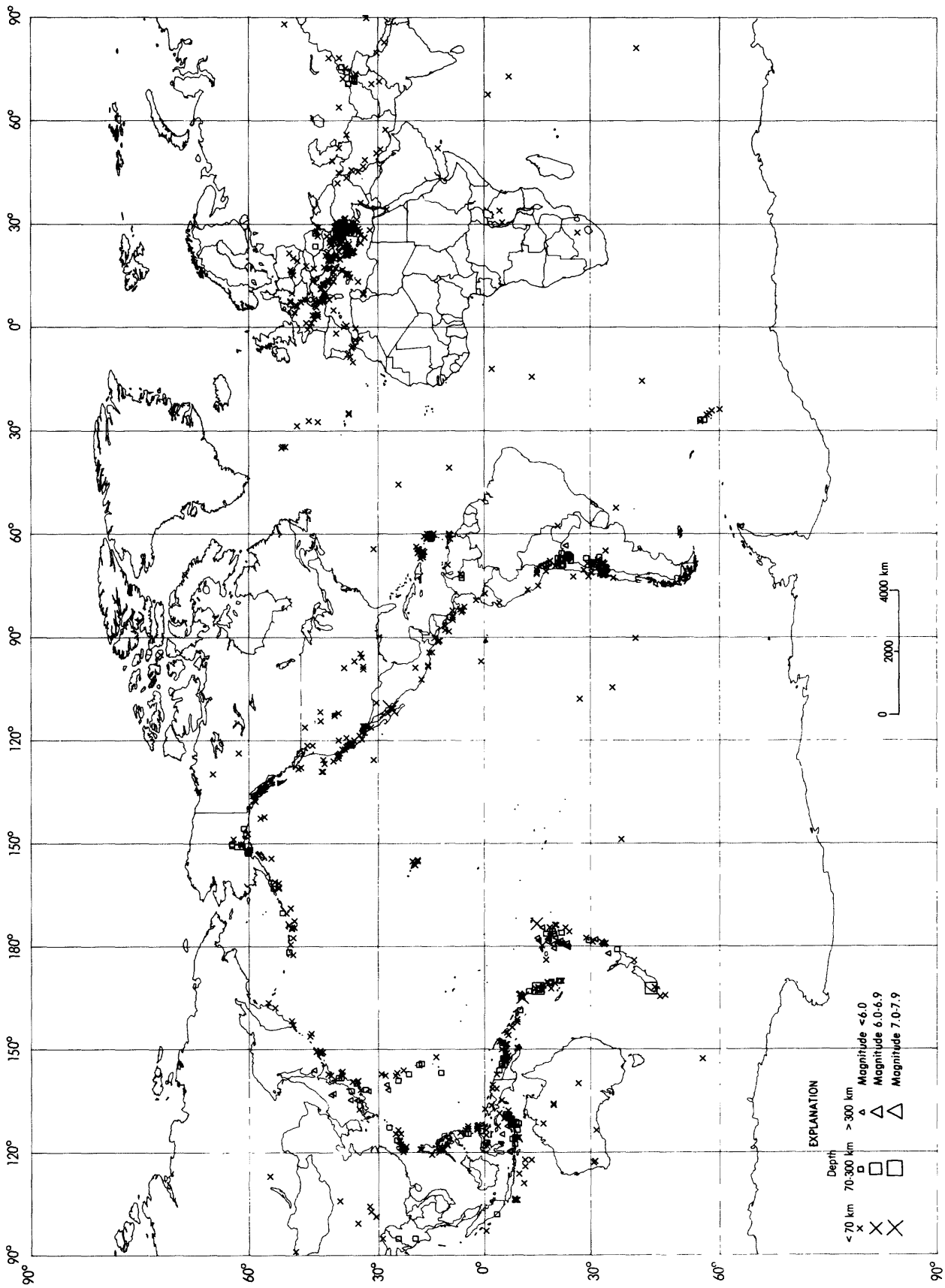




Earthquake epicenters in Alaska and adjacent regions for June, 1988 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for June, 1988 (C. Stover).



Earthquakes located in June, 1988 (C. Stover).